

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133037.D
 Acq On : 25 Apr 2023 20:28
 Operator : CG\JU
 Sample : 02477-01MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-H4(ELEV-22)MSD

Quant Time: Apr 26 02:17:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/26/2023
 Supervised By : Jagrut Upadhyay 04/26/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	195999	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	769227	20.000	ng	0.00
39) Acenaphthene-d10	9.780	164	407555	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	739508	20.000	ng	0.00
76) Chrysene-d12	13.898	240	446952	20.000	ng	0.00
86) Perylene-d12	15.315	264	395398	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1100527	84.820	ng	0.00
7) Phenol-d6	6.386	99	1347361	83.664	ng	0.00
23) Nitrobenzene-d5	7.304	82	814666	57.165	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	357986	87.340	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	1470876	60.379	ng	0.00
79) Terphenyl-d14	12.845	244	1736143	66.993	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	262856	43.677	ng	98
3) Pyridine	3.187	79	665809	41.654	ng	96
4) n-Nitrosodimethylamine	3.146	42	357083	43.130	ng	96
6) Aniline	6.404	93	556574	26.833	ng	# 83
8) 2-Chlorophenol	6.528	128	633377	48.079	ng	95
9) Benzaldehyde	6.287	77	375330	59.417	ng	99
10) Phenol	6.398	94	772727	43.494	ng	82
11) bis(2-Chloroethyl)ether	6.481	93	602461	45.189	ng	96
12) 1,3-Dichlorobenzene	6.681	146	666664	47.598	ng	100
13) 1,4-Dichlorobenzene	6.757	146	663406	47.261	ng	99
14) 1,2-Dichlorobenzene	6.910	146	645455	49.876	ng	97
15) Benzyl Alcohol	6.892	79	513867	46.193	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.022	45	1017061	43.922	ng	96
17) 2-Methylphenol	7.004	107	542344	44.960	ng	98
18) Hexachloroethane	7.257	117	235752	48.307	ng	98
19) n-Nitroso-di-n-propyla...	7.163	70	413435	41.237	ng	98
20) 3+4-Methylphenols	7.157	107	630348	44.372	ng	99
22) Acetophenone	7.151	105	839964	47.139	ng	# 97
24) Nitrobenzene	7.328	77	647672	44.850	ng	99
25) Isophorone	7.569	82	1167638	43.153	ng	100
26) 2-Nitrophenol	7.645	139	342784	49.213	ng	92
27) 2,4-Dimethylphenol	7.686	122	567504	47.515	ng	99
28) bis(2-Chloroethoxy)met...	7.781	93	693215	43.307	ng	99
29) 2,4-Dichlorophenol	7.886	162	509472	46.858	ng	99
30) 1,2,4-Trichlorobenzene	7.969	180	528047	46.879	ng	100
31) Naphthalene	8.051	128	1714687	44.585	ng	100
32) Benzoic acid	7.798	122	273867m	37.122	ng	
33) 4-Chloroaniline	8.098	127	136071	8.757	ng	98
34) Hexachlorobutadiene	8.169	225	290749	46.571	ng	98
35) Caprolactam	8.475	113	186058m	50.939	ng	
36) 4-Chloro-3-methylphenol	8.586	107	573506	48.914	ng	97
37) 2-Methylnaphthalene	8.739	142	1170525	44.518	ng	98
38) 1-Methylnaphthalene	8.839	142	1087623	44.218	ng	99
40) 1,2,4,5-Tetrachloroben...	8.910	216	479762	43.782	ng	99
41) Hexachlorocyclopentadiene	8.898	237	589313	92.213	ng	98
43) 2,4,6-Trichlorophenol	9.022	196	347099	45.802	ng	99

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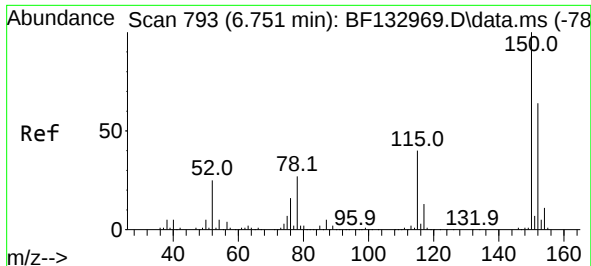
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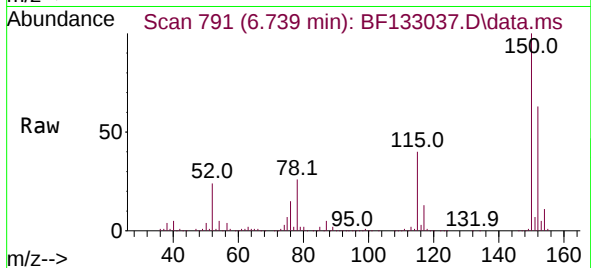
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.057	196	381930	43.577	ng	99
46) 1,1'-Biphenyl	9.204	154	1421057	43.972	ng	99
47) 2-Chloronaphthalene	9.227	162	1081785	45.733	ng	99
48) 2-Nitroaniline	9.322	65	347188	44.411	ng	97
49) Acenaphthylene	9.639	152	1686352	44.618	ng	99
50) Dimethylphthalate	9.510	163	1275719	44.891	ng	99
51) 2,6-Dinitrotoluene	9.569	165	301029	47.064	ng	# 82
52) Acenaphthene	9.816	154	1184869	46.807	ng	99
53) 3-Nitroaniline	9.727	138	167123	21.975	ng	96
54) 2,4-Dinitrophenol	9.839	184	269988	83.977	ng	94
55) Dibenzofuran	9.986	168	1514499	43.860	ng	99
56) 4-Nitrophenol	9.904	139	541502	91.930	ng	95
57) 2,4-Dinitrotoluene	9.969	165	404414	49.579	ng	94
58) Fluorene	10.327	166	1120371	44.286	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.104	232	311104	45.786	ng	99
60) Diethylphthalate	10.210	149	1186007	44.184	ng	99
61) 4-Chlorophenyl-phenyle...	10.322	204	538126	43.649	ng	98
62) 4-Nitroaniline	10.351	138	341759	48.893	ng	98
63) Azobenzene	10.480	77	1319573	46.406	ng	99
65) 4,6-Dinitro-2-methylph...	10.374	198	211777	47.247	ng	85
66) n-Nitrosodiphenylamine	10.439	169	1051751	43.845	ng	99
67) 4-Bromophenyl-phenylether	10.810	248	354970	44.258	ng	98
68) Hexachlorobenzene	10.874	284	388164	47.231	ng	97
69) Atrazine	10.969	200	360852	52.207	ng	98
70) Pentachlorophenol	11.069	266	428714	73.246	ng	98
71) Phenanthrene	11.286	178	1747209	43.959	ng	100
72) Anthracene	11.339	178	1789877	44.003	ng	100
73) Carbazole	11.492	167	1650646	45.574	ng	99
74) Di-n-butylphthalate	11.827	149	1924640	46.957	ng	100
75) Fluoranthene	12.474	202	1815441	45.511	ng	96
77) Benzidine	12.592	184	691678	91.514	ng	# 94
78) Pyrene	12.704	202	1870645	48.824	ng	99
80) Butylbenzylphthalate	13.327	149	769396	56.715	ng	99
81) Benzo(a)anthracene	13.886	228	1383547	45.015	ng	100
82) 3,3'-Dichlorobenzidine	13.851	252	169589	19.973	ng	99
83) Chrysene	13.921	228	1357713	44.185	ng	99
84) Bis(2-ethylhexyl)phtha...	13.892	149	828496	48.655	ng	100
85) Di-n-octyl phthalate	14.498	149	1276806	45.986	ng	98
87) Indeno(1,2,3-cd)pyrene	16.703	276	1394514	62.003	ng	100
88) Benzo(b)fluoranthene	14.915	252	1179963	46.908	ng	99
89) Benzo(k)fluoranthene	14.939	252	1068282	42.842	ng	98
90) Benzo(a)pyrene	15.257	252	1001616	43.746	ng	98
91) Dibenzo(a,h)anthracene	16.721	278	1166676	62.194	ng	99
92) Benzo(g,h,i)perylene	17.121	276	1173185	63.348	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

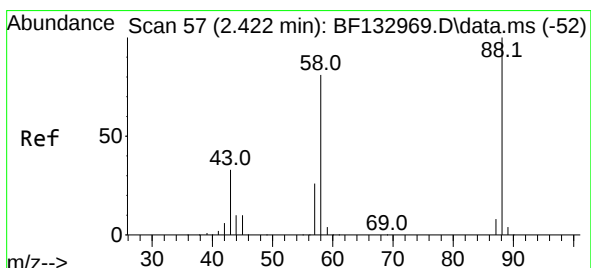
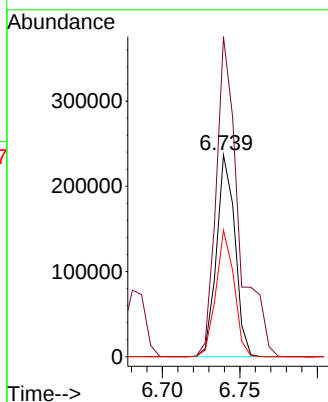
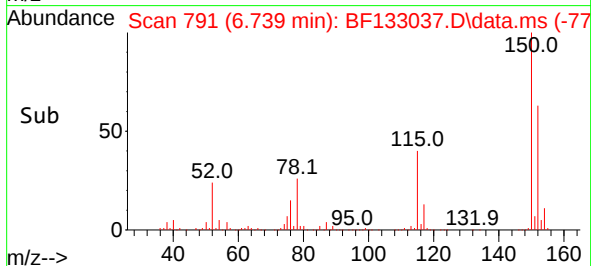
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:152 Resp: 195999
Ion Ratio Lower Upper
152 100
150 158.6 124.8 187.2
115 62.7 49.9 74.9

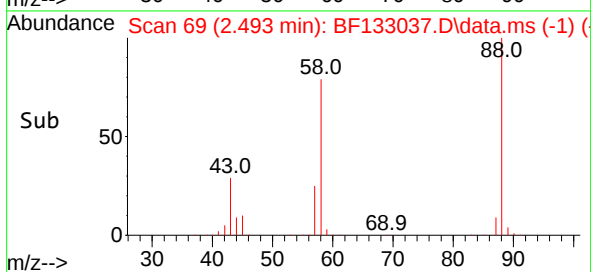
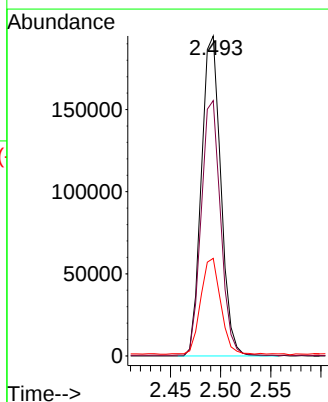
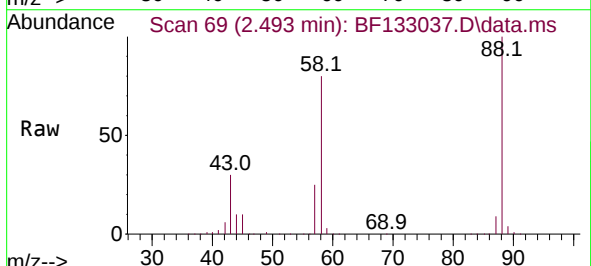
Manual Integrations
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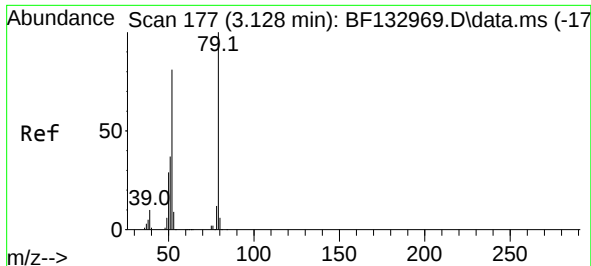
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#2
1,4-Dioxane
Concen: 43.677 ng
RT: 2.493 min Scan# 69
Delta R.T. 0.088 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

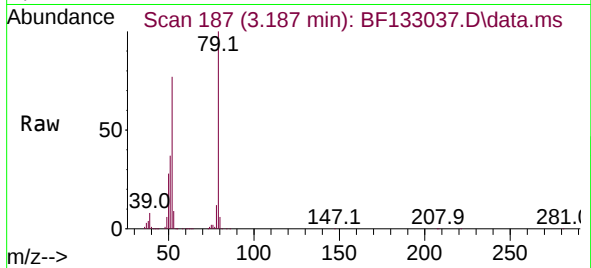
Tgt Ion: 88 Resp: 262856
Ion Ratio Lower Upper
88 100
58 79.3 64.7 97.1
43 30.8 26.2 39.2





#3
Pyridine
Concen: 41.654 ng
RT: 3.187 min Scan# 180
Delta R.T. 0.082 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

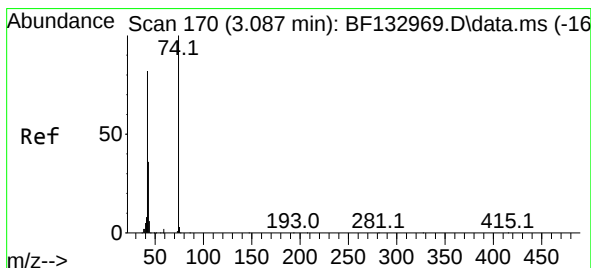
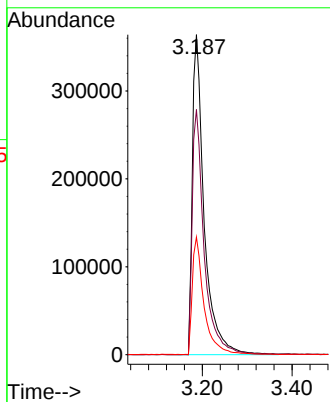
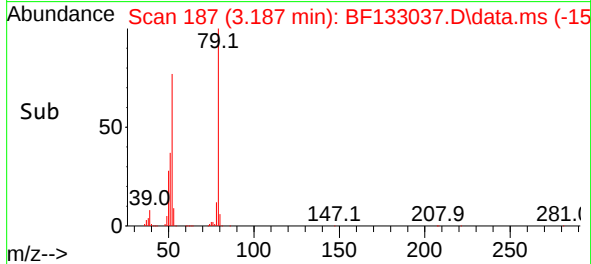
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BNA_F
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E-H4(ELEV-22)MSD



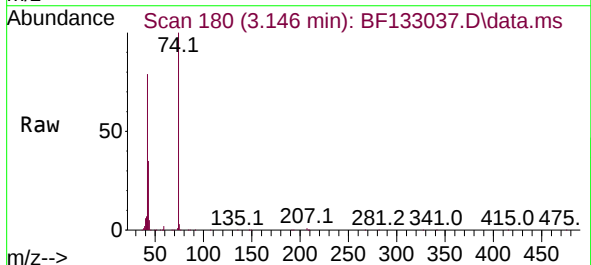
Tgt Ion: 79 Resp: 665809
Ion Ratio Lower Upper
79 100
52 76.6 64.6 96.8
51 36.8 30.0 45.0

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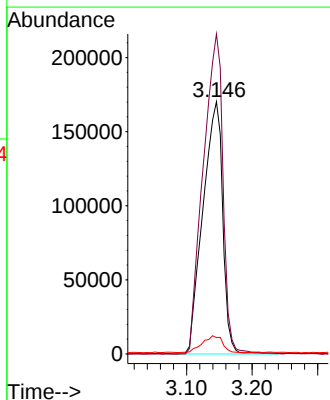
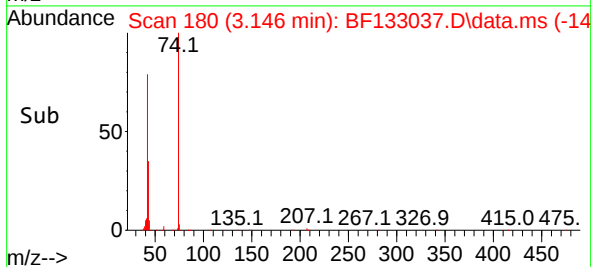
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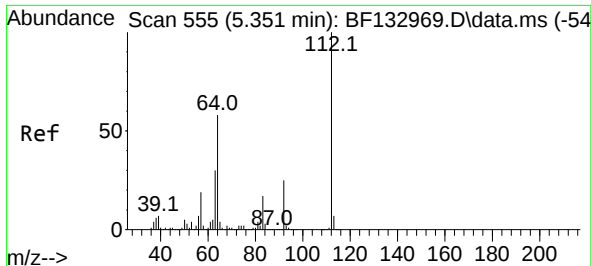


#4
n-Nitrosodimethylamine
Concen: 43.130 ng
RT: 3.146 min Scan# 180
Delta R.T. 0.082 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28



Tgt Ion: 42 Resp: 357083
Ion Ratio Lower Upper
42 100
74 126.8 98.0 147.0
44 6.4 5.8 8.8





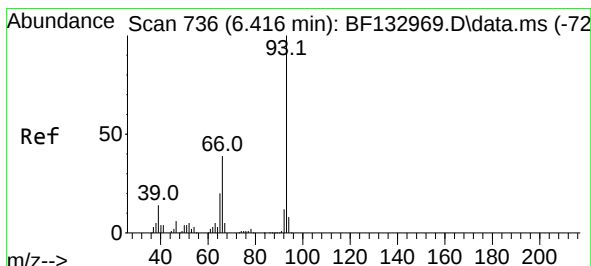
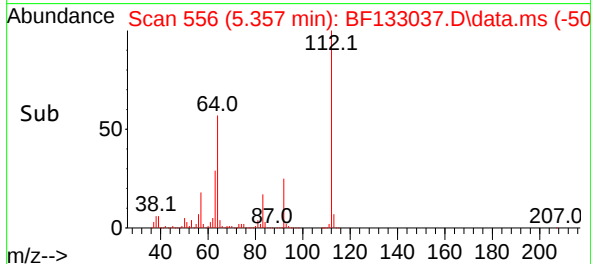
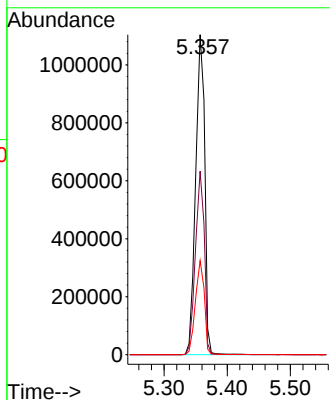
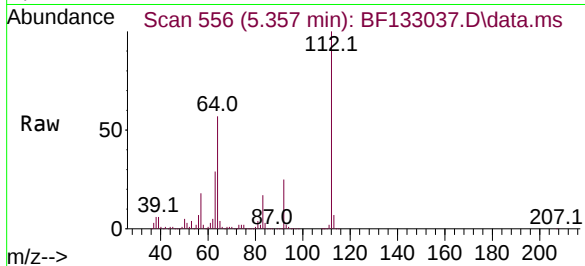
#5
2-Fluorophenol
Concen: 84.820 ng
RT: 5.357 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

Instrument :
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ClientSampleId :
E-H4(ELEV-22)MSD

Tgt Ion:112 Resp: 110052
Ion Ratio Lower Upper
112 100
64 57.4 46.8 70.2
63 29.4 23.8 35.8

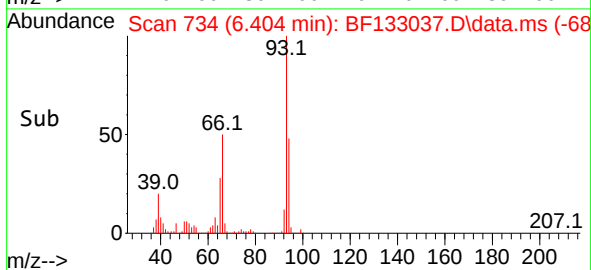
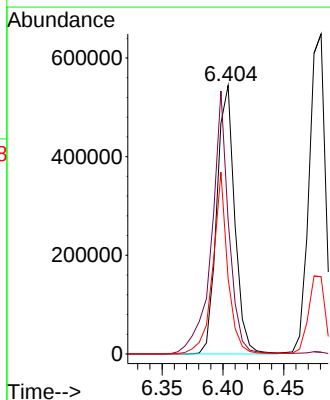
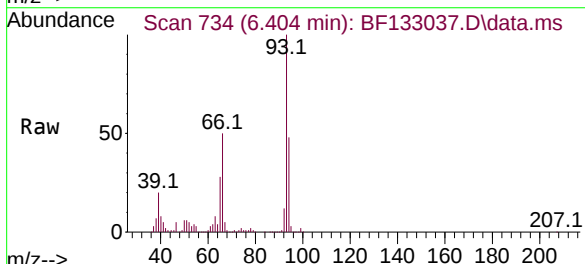
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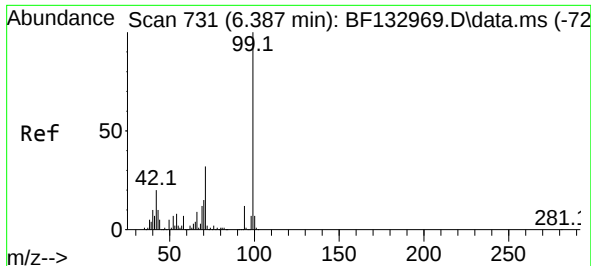
Reviewed By :Christian Giraldo 04/26/2023
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#6
Aniline
Concen: 26.833 ng
RT: 6.404 min Scan# 734
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

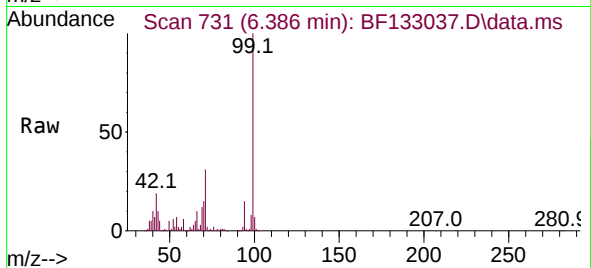
Tgt Ion: 93 Resp: 556574
Ion Ratio Lower Upper
93 100
66 49.9 31.5 47.3#
65 28.1 16.4 24.6#





#7
Phenol-d6
Concen: 83.664 ng
RT: 6.386 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

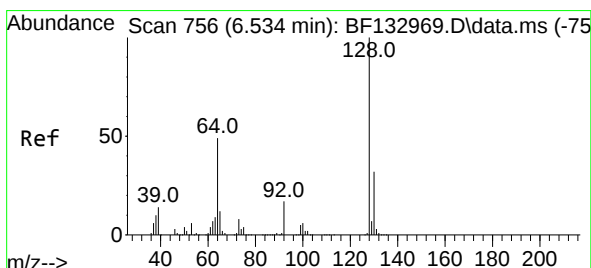
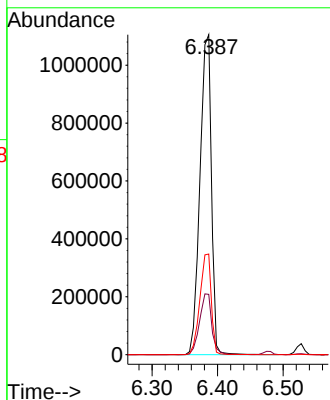
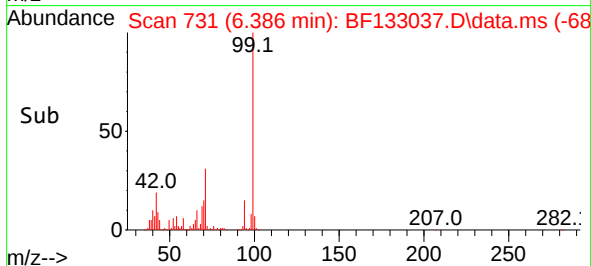
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Tgt Ion: 99 Resp: 134736
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 31.4 25.6 38.4

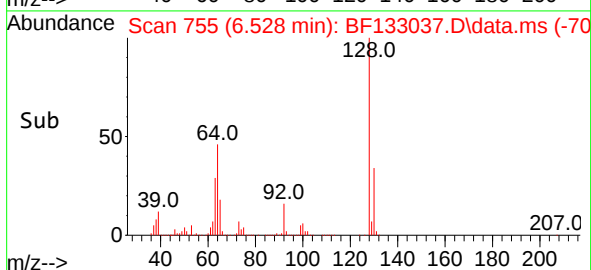
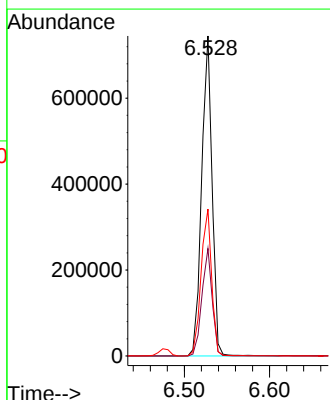
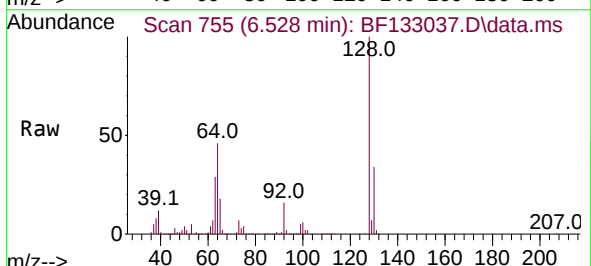
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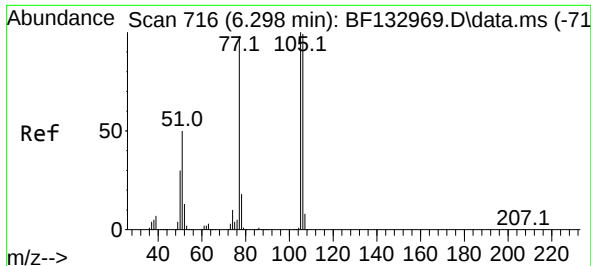
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#8
2-Chlorophenol
Concen: 48.079 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

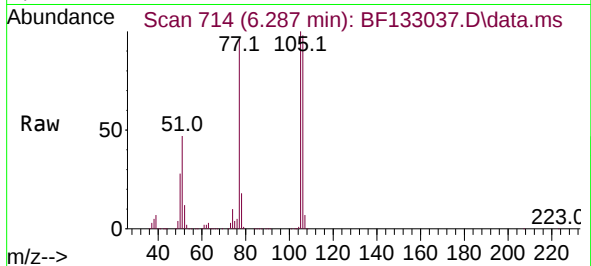
Tgt Ion:128 Resp: 633377
Ion Ratio Lower Upper
128 100
130 33.6 12.2 52.2
64 45.9 30.3 70.3





#9
Benzaldehyde
Concen: 59.417 ng
RT: 6.287 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

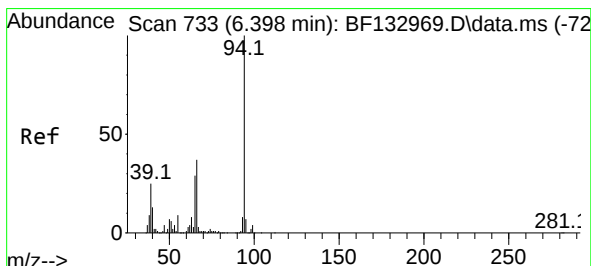
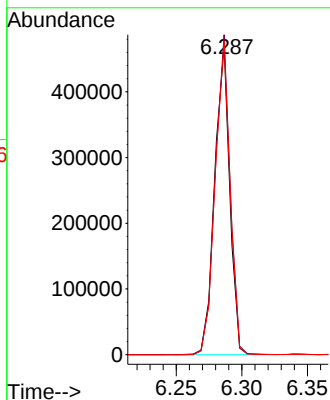
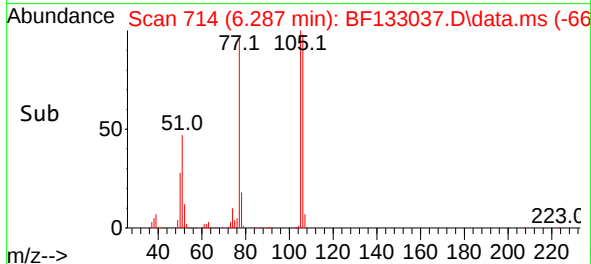
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion: 77 Resp: 375330
Ion Ratio Lower Upper
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105 103.8 82.3 122.3
106 101.8 80.8 120.8

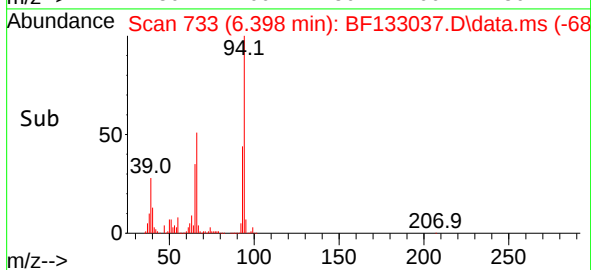
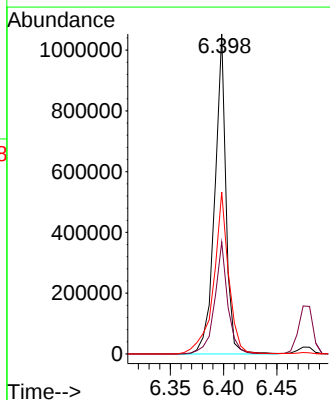
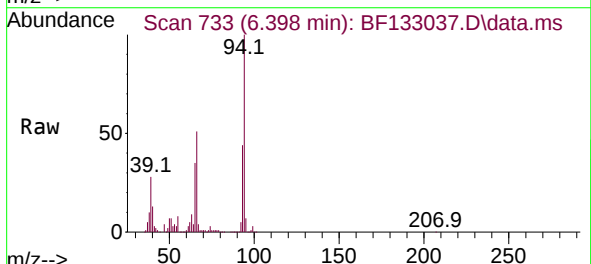
Manual Integrations
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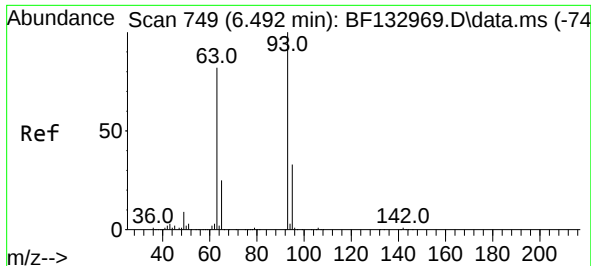
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#10
Phenol
Concen: 43.494 ng
RT: 6.398 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

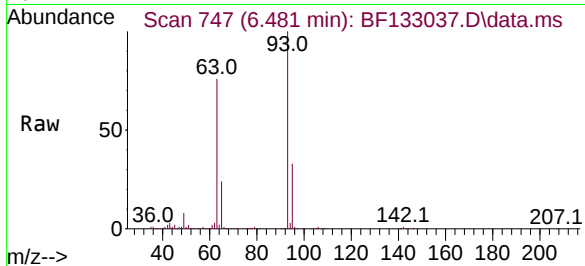
Tgt Ion: 94 Resp: 772727
Ion Ratio Lower Upper
94 100
65 35.0 8.6 48.6
66 50.6 17.3 57.3





#11
bis(2-Chloroethyl)ether
Concen: 45.189 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

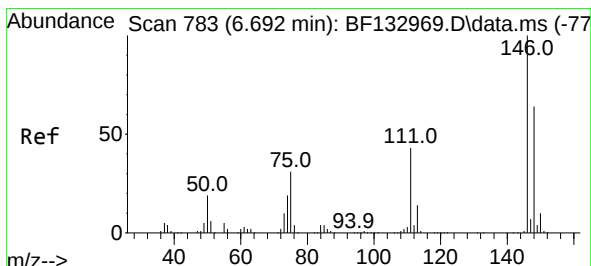
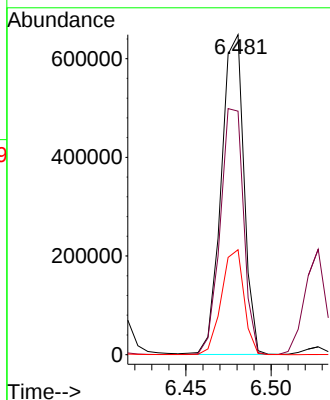
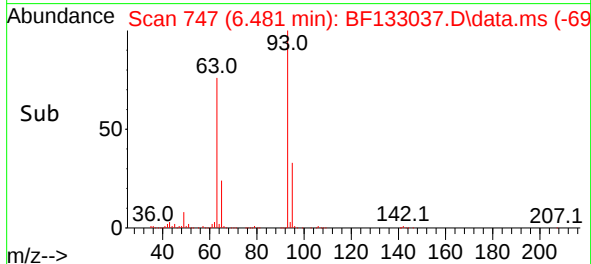
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



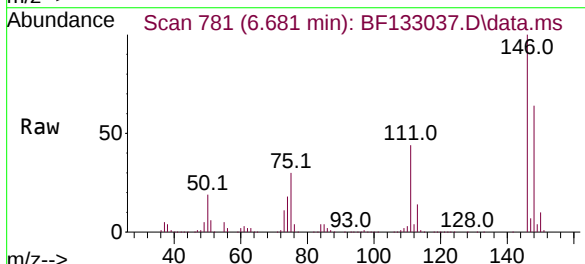
Tgt Ion: 93 Resp: 60246
Ion Ratio Lower Upper
93 100
63 76.1 60.6 100.6
95 32.8 12.9 52.9

Manual Integrations
APPROVED

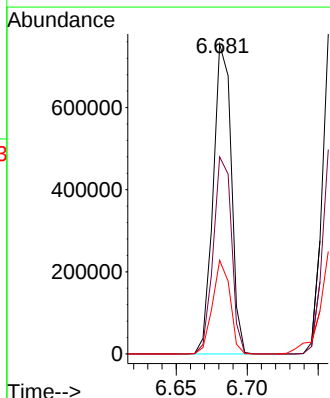
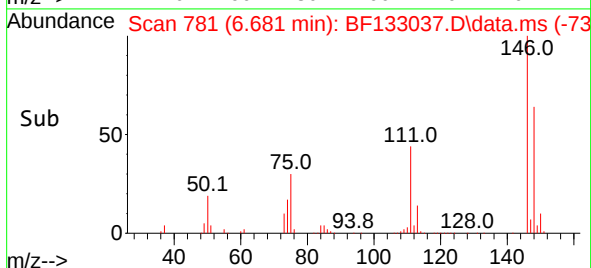
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

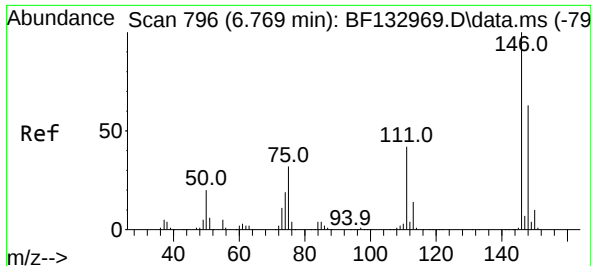


#12
1,3-Dichlorobenzene
Concen: 47.598 ng
RT: 6.681 min Scan# 781
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28



Tgt Ion:146 Resp: 666664
Ion Ratio Lower Upper
146 100
148 63.7 51.0 76.4
75 30.2 24.8 37.2





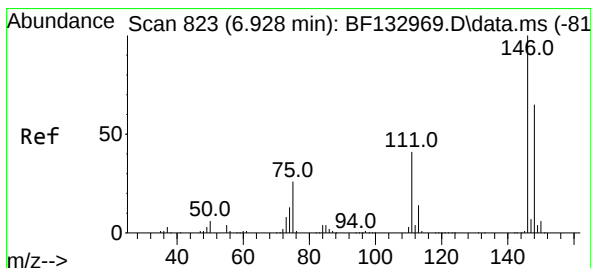
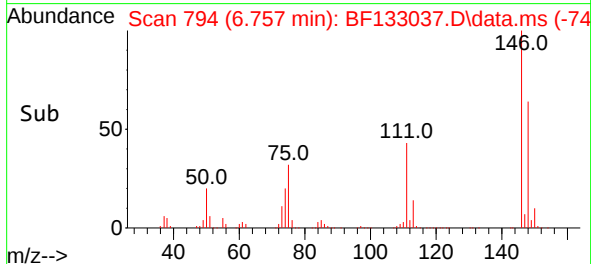
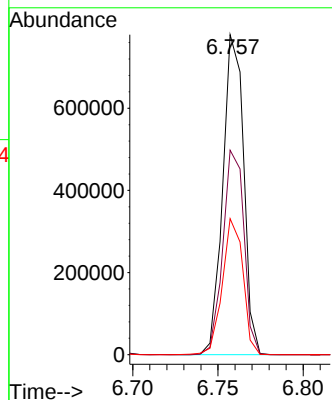
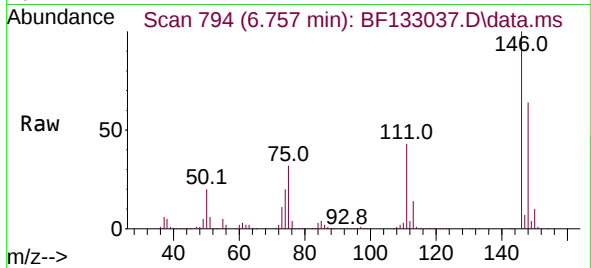
#13
1,4-Dichlorobenzene
Concen: 47.261 ng
RT: 6.757 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD

Tgt Ion:146 Resp: 663400
Ion Ratio Lower Upper
146 100
148 63.9 50.3 75.5
111 42.5 33.8 50.6

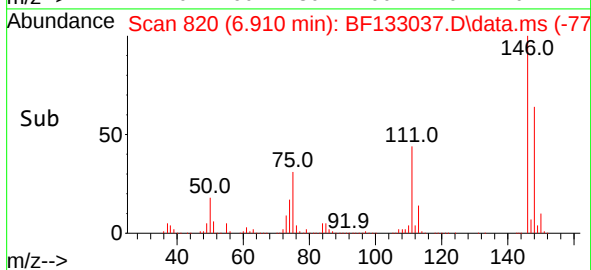
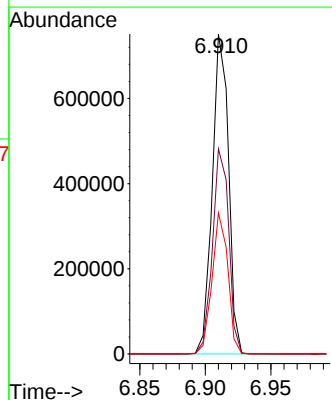
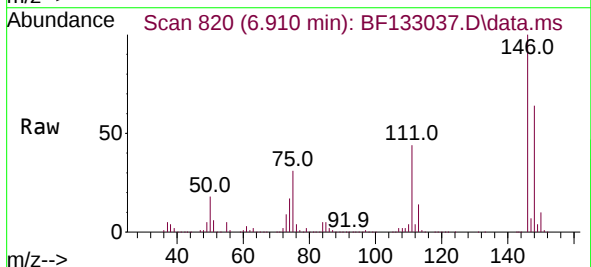
Manual Integrations
APPROVED

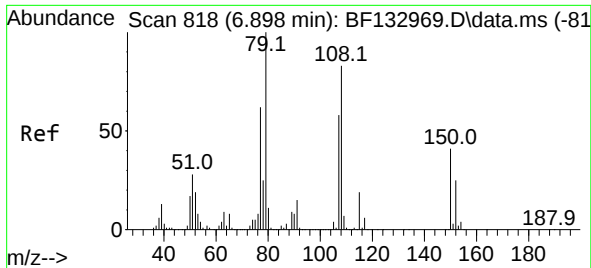
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#14
1,2-Dichlorobenzene
Concen: 49.876 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

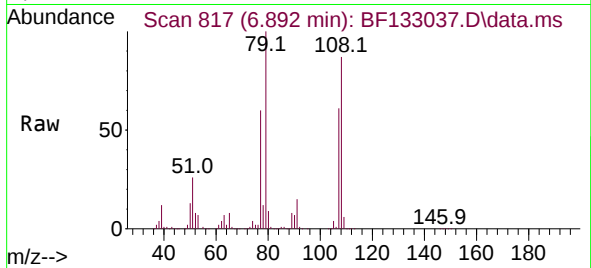
Tgt Ion:146 Resp: 645455
Ion Ratio Lower Upper
146 100
148 64.1 52.2 78.2
111 44.1 32.8 49.2





#15
Benzyl Alcohol
Concen: 46.193 ng
RT: 6.892 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

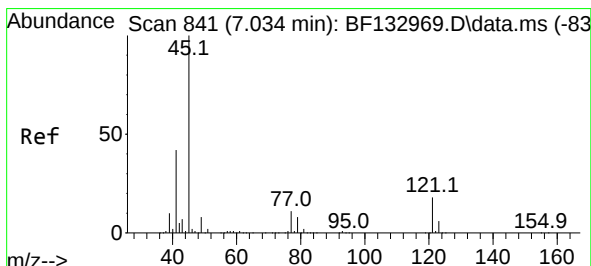
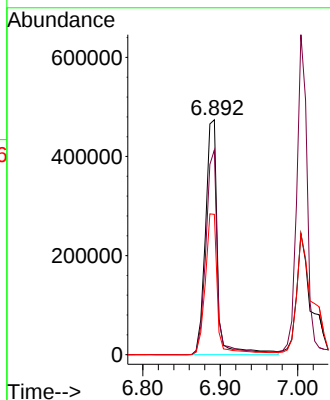
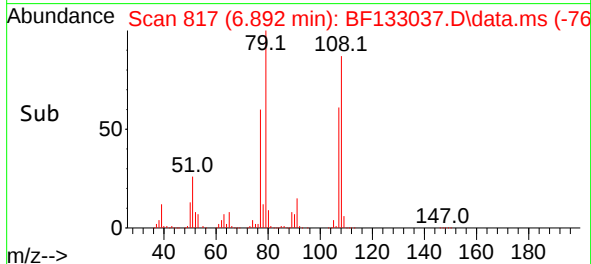
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion: 79 Resp: 51386
Ion Ratio Lower Upper
79 100
108 87.1 66.6 99.8
77 59.7 49.2 73.8

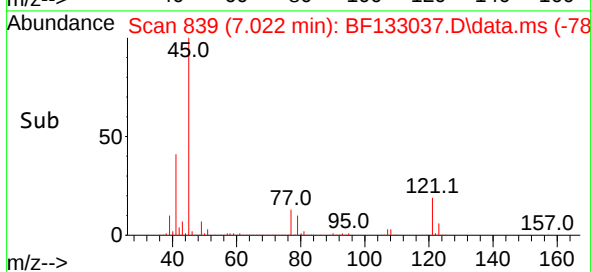
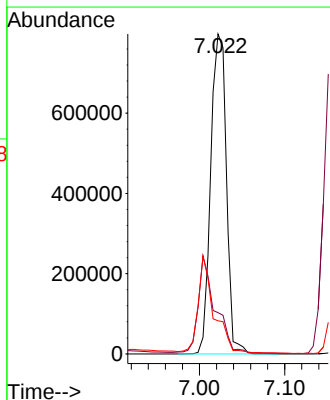
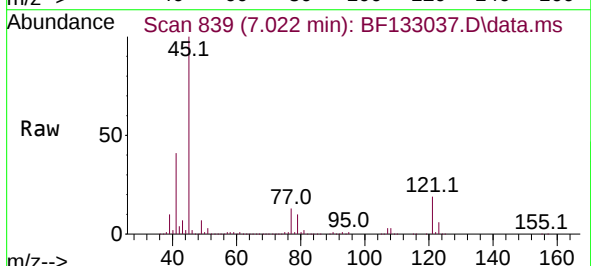
Manual Integrations
APPROVED

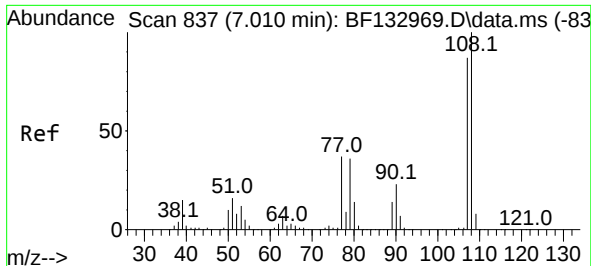
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.922 ng
RT: 7.022 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

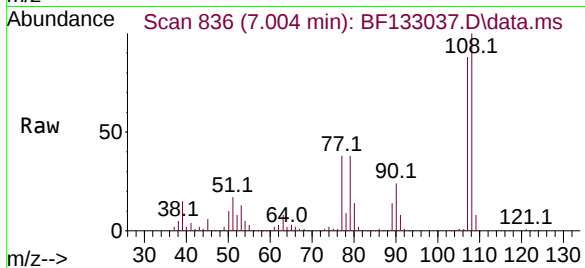
Tgt Ion: 45 Resp: 1017061
Ion Ratio Lower Upper
45 100
77 12.9 0.0 31.5
79 10.4 0.0 28.7





#17
2-Methylphenol
Concen: 44.960 ng
RT: 7.004 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

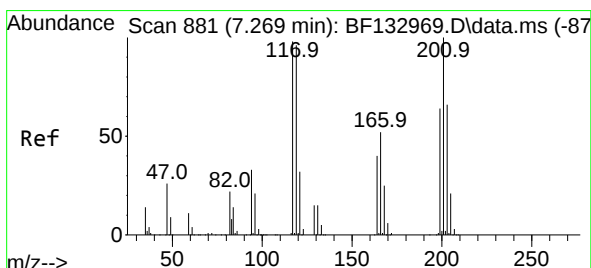
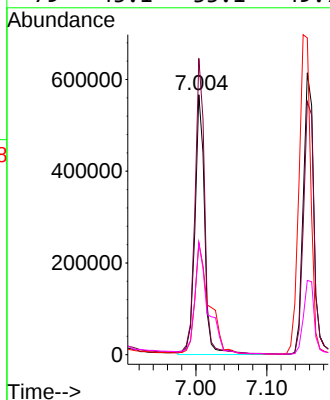
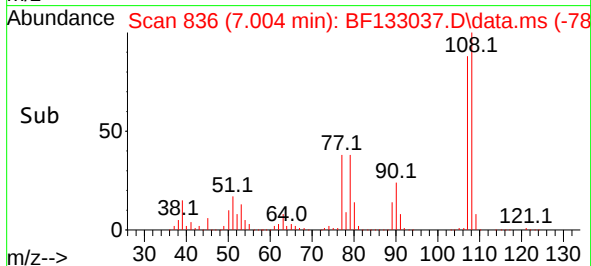
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:107 Resp: 542344
Ion Ratio Lower Upper
107 100
108 114.0 92.4 138.6
77 43.0 33.8 50.8
79 43.1 33.1 49.7

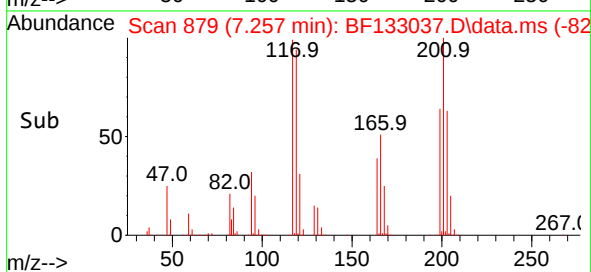
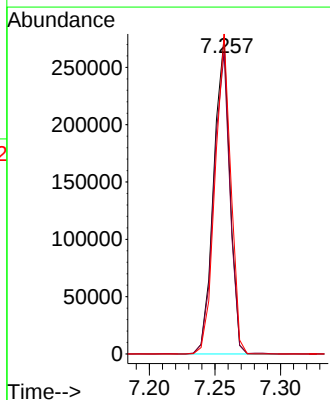
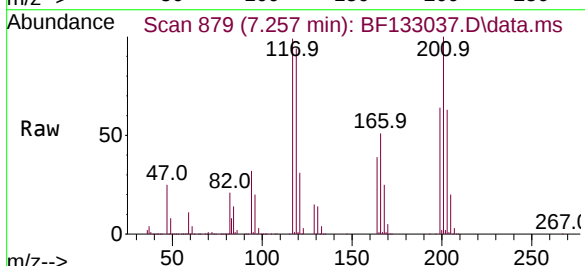
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#18
Hexachloroethane
Concen: 48.307 ng
RT: 7.257 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

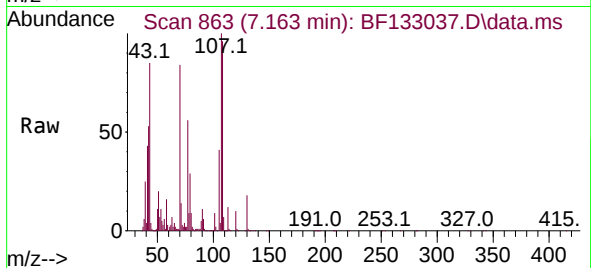
Tgt Ion:117 Resp: 235752
Ion Ratio Lower Upper
117 100
119 95.0 78.2 117.4
201 101.0 81.7 122.5





#19
n-Nitroso-di-n-propylamine
Concen: 41.237 ng
RT: 7.163 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

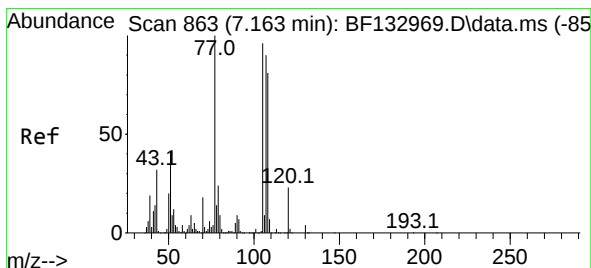
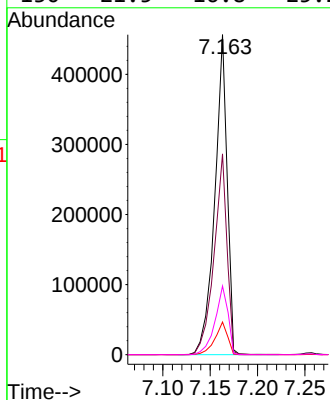
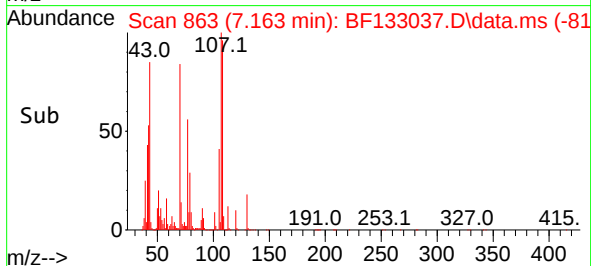
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion: 70 Resp: 41343
Ion Ratio Lower Upper
70 100
42 62.7 51.8 77.6
101 10.2 8.0 12.0
130 21.5 16.8 25.2

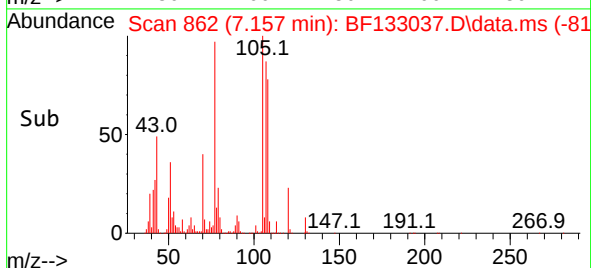
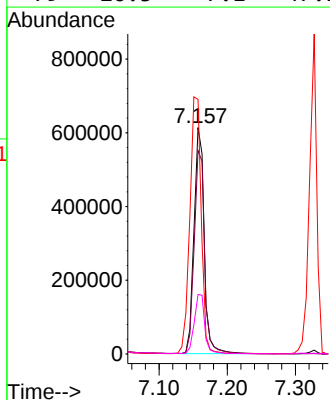
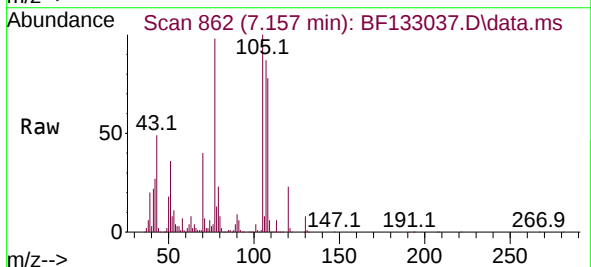
Manual Integrations
APPROVED

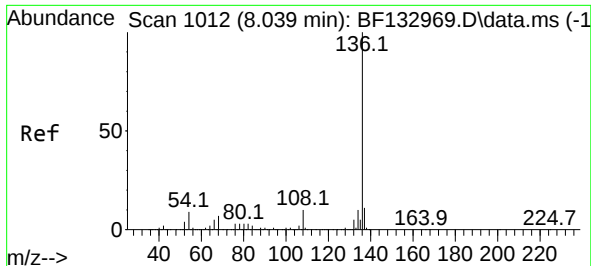
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#20
3+4-Methylphenols
Concen: 44.372 ng
RT: 7.157 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

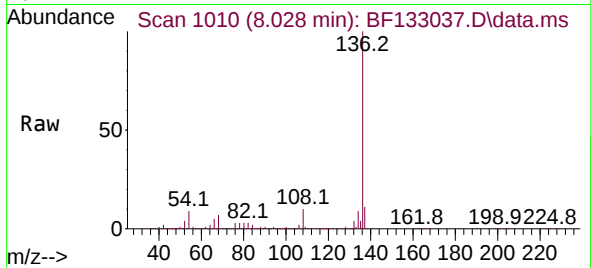
Tgt Ion:107 Resp: 630348
Ion Ratio Lower Upper
107 100
108 89.8 70.5 110.5
77 112.4 91.7 131.7
79 26.3 7.1 47.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

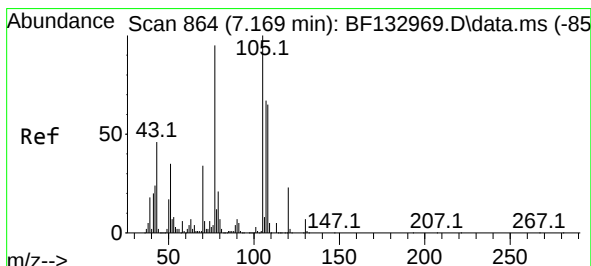
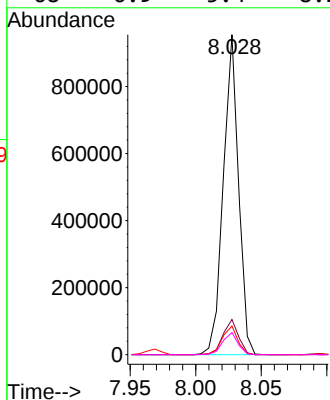
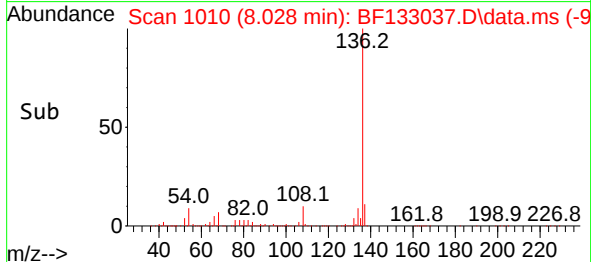
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:136 Resp: 769227
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.0 7.0 10.4
68 6.9 5.4 8.2

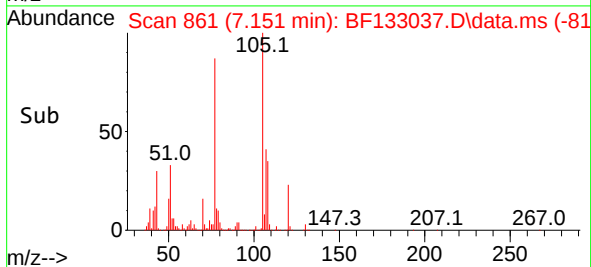
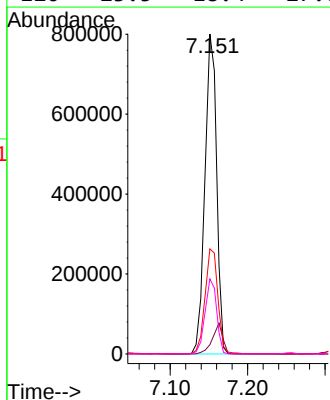
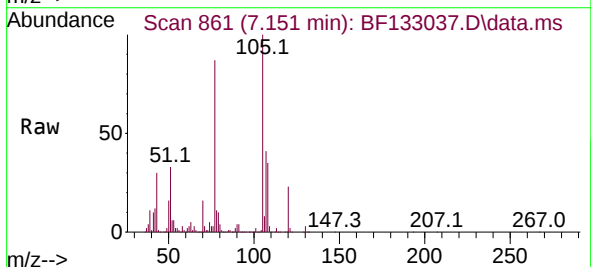
Manual Integrations
APPROVED

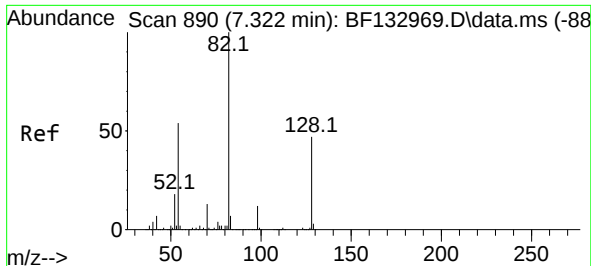
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#22
Acetophenone
Concen: 47.139 ng
RT: 7.151 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

Tgt Ion:105 Resp: 839964
Ion Ratio Lower Upper
105 100
71 2.9 4.6 7.0#
51 32.8 28.2 42.2
120 23.5 18.4 27.6





#23

Nitrobenzene-d5

Concen: 57.165 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD

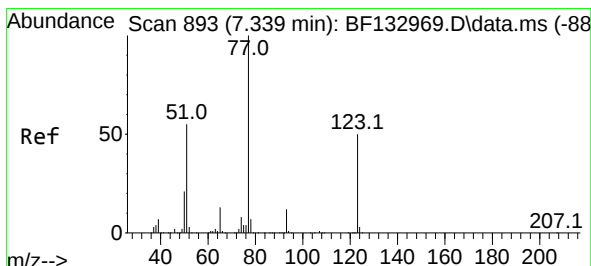
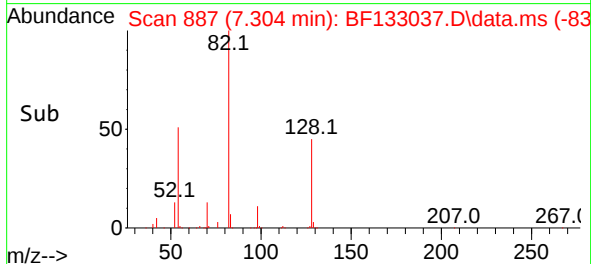
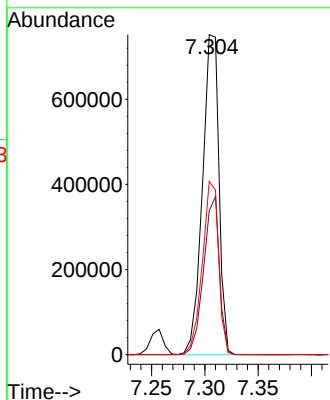
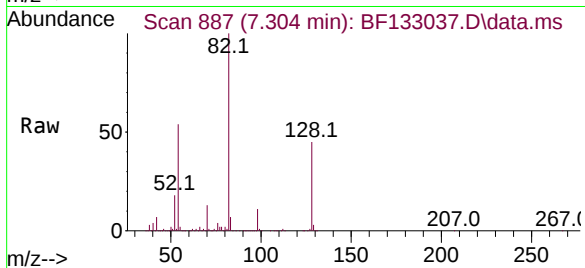
Tgt Ion: 82 Resp: 814660

Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.7	56.5
54	54.2	43.0	64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#24

Nitrobenzene

Concen: 44.850 ng

RT: 7.328 min Scan# 891

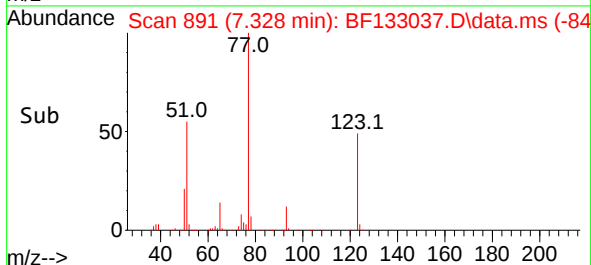
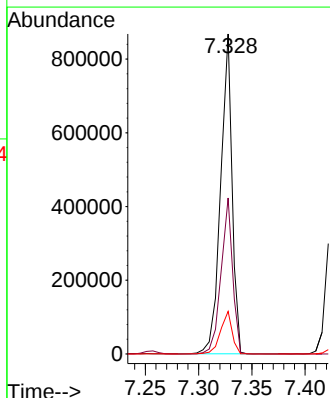
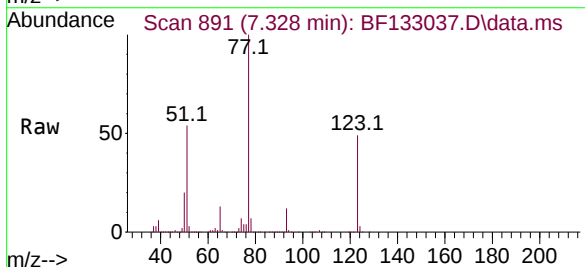
Delta R.T. -0.006 min

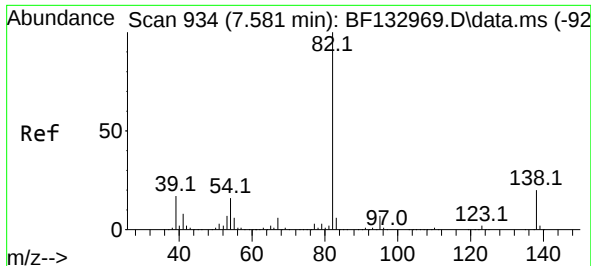
Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Tgt Ion: 77 Resp: 647672

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.9	59.9
65	13.3	10.7	16.1





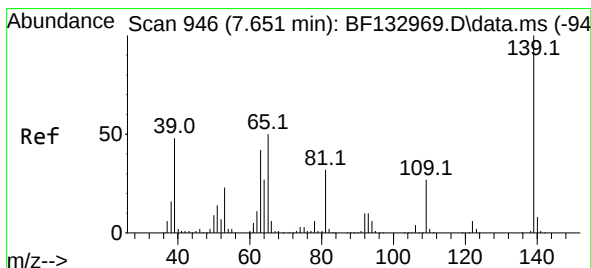
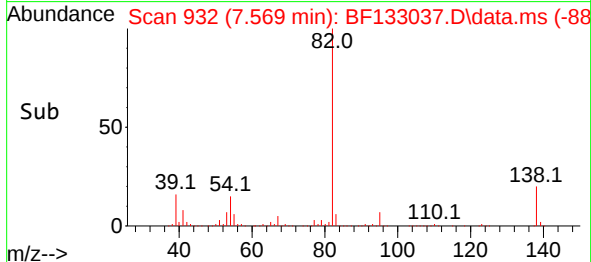
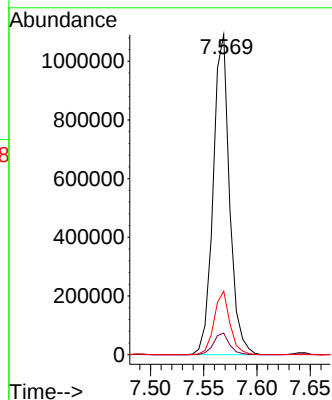
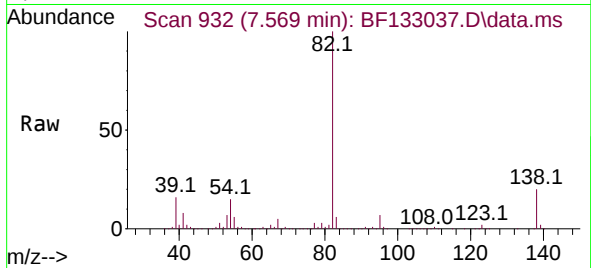
#25
Isophorone
Concen: 43.153 ng
RT: 7.569 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD

Tgt Ion: 82 Resp: 1167638
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 19.9 16.0 24.0

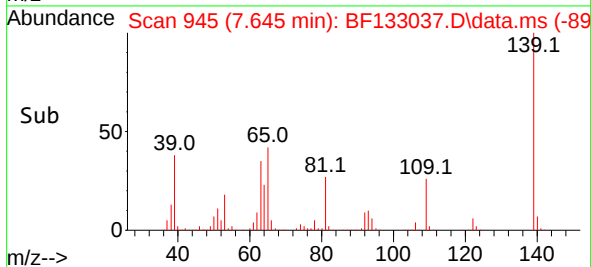
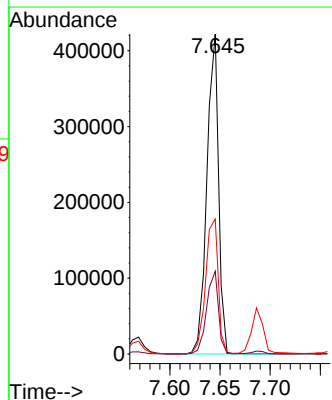
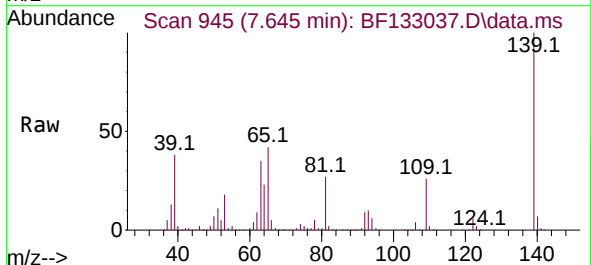
Manual Integrations
APPROVED

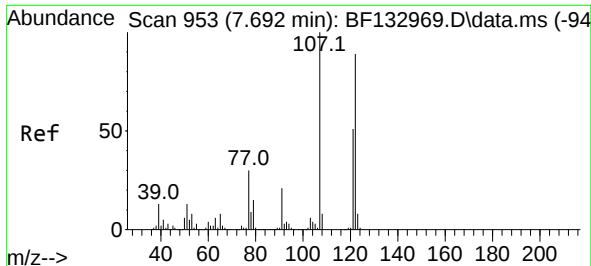
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#26
2-Nitrophenol
Concen: 49.213 ng
RT: 7.645 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

Tgt Ion:139 Resp: 342784
Ion Ratio Lower Upper
139 100
109 25.8 21.6 32.4
65 42.2 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 47.515 ng

RT: 7.686 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF133037.D

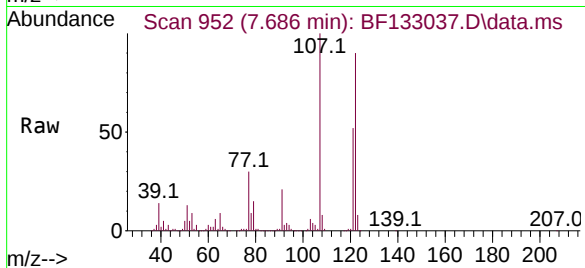
Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD

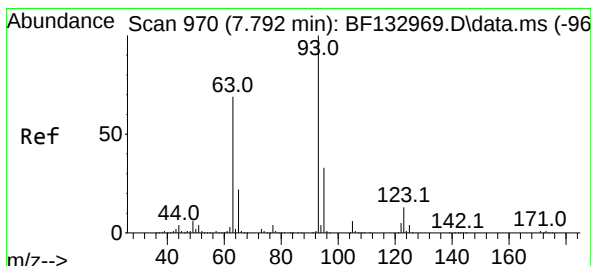
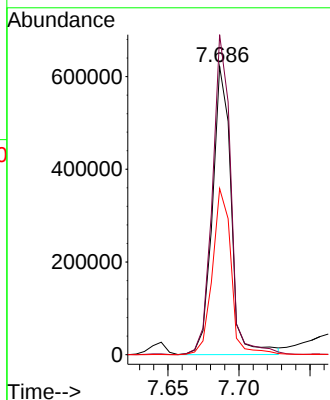
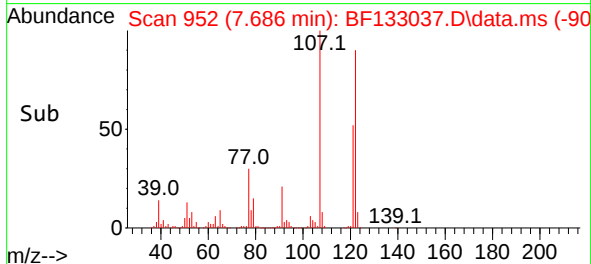


Tgt Ion:	122	Resp:	567504
Ion	Ratio	Lower	Upper
122	100		
107	111.1	89.7	134.5
121	57.7	46.0	69.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#28

bis(2-Chloroethoxy)methane

Concen: 43.307 ng

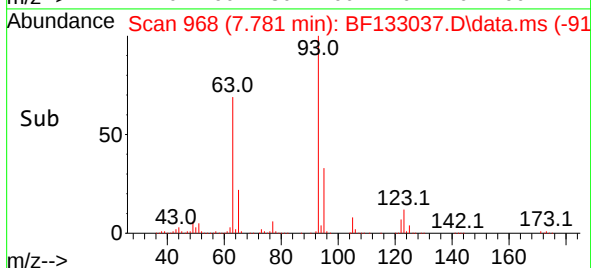
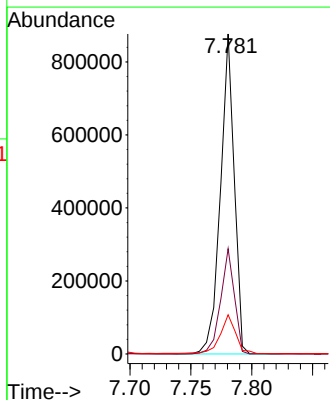
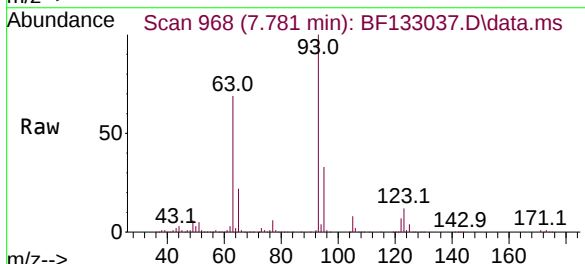
RT: 7.781 min Scan# 968

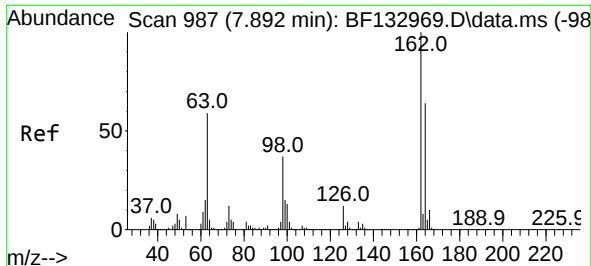
Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Tgt Ion:	93	Resp:	693215
Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.4	39.6
123	12.3	10.3	15.5





#29

2,4-Dichlorophenol

Concen: 46.858 ng

RT: 7.886 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

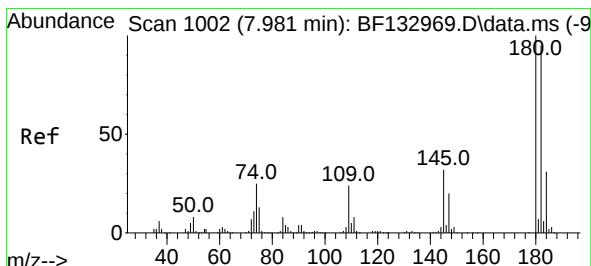
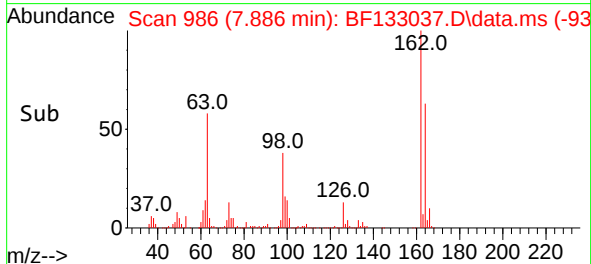
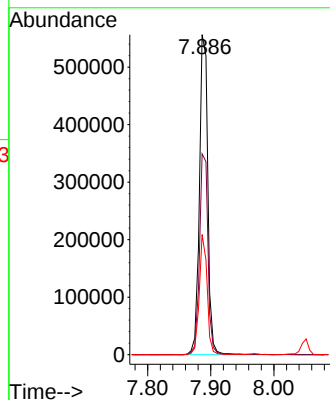
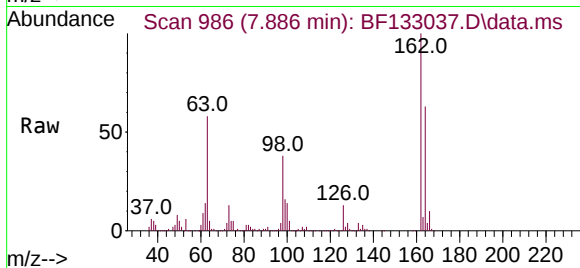
E-H4(ELEV-22)MSD

Tgt Ion:162	Resp: 50947
Ion Ratio	Lower Upper
162 100	
164 62.7	43.9 83.9
98 37.5	17.0 57.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#30

1,2,4-Trichlorobenzene

Concen: 46.879 ng

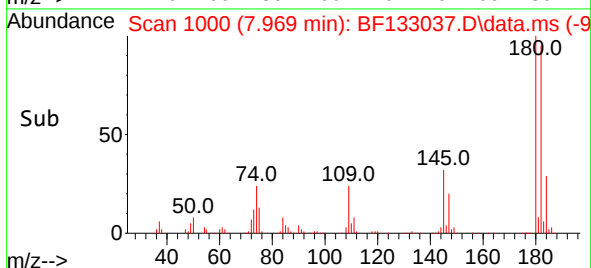
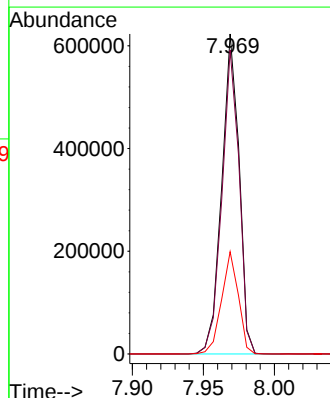
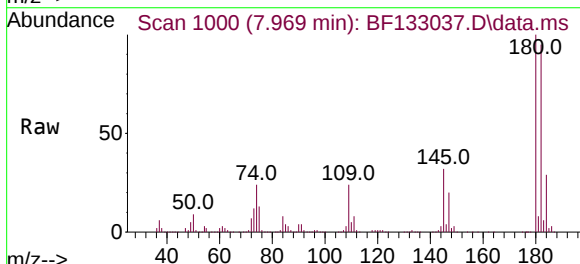
RT: 7.969 min Scan# 1000

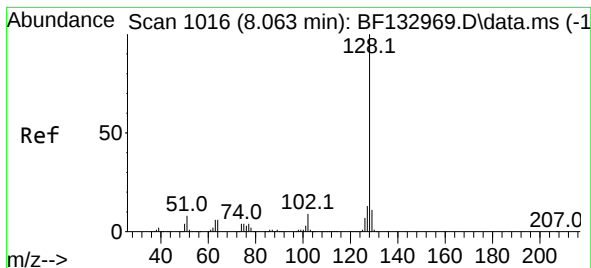
Delta R.T. -0.006 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Tgt Ion:180	Resp: 528047
Ion Ratio	Lower Upper
180 100	
182 95.0	75.9 113.9
145 32.0	25.3 37.9





#31

Naphthalene

Concen: 44.585 ng

RT: 8.051 min Scan# 1014

Delta R.T. 0.000 min

Lab File: BF133037.D

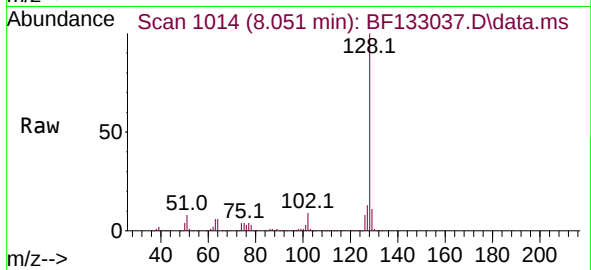
Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD



Tgt Ion:128 Resp: 171468

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

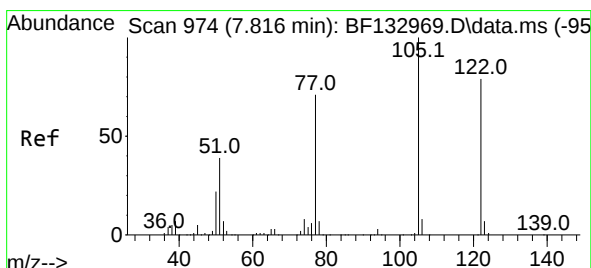
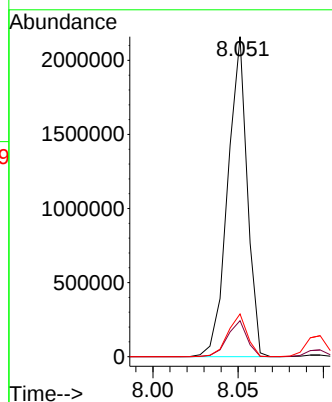
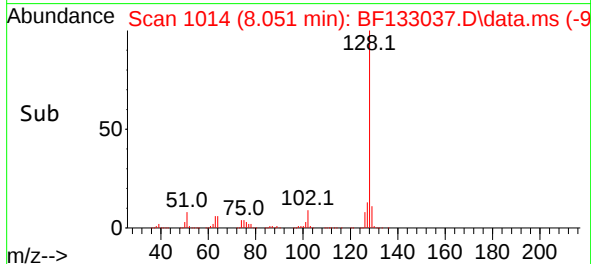
127 13.3 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#32

Benzoic acid

Concen: 37.122 ng m

RT: 7.798 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

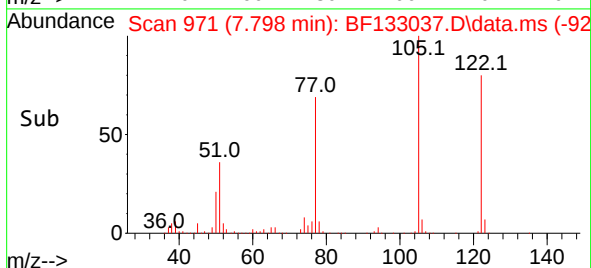
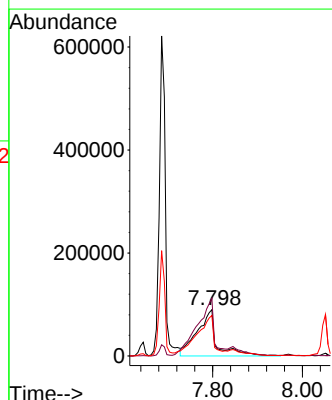
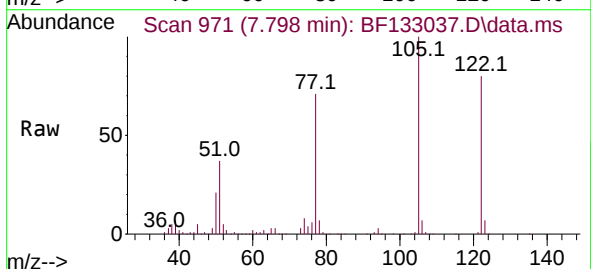
Tgt Ion:122 Resp: 273867

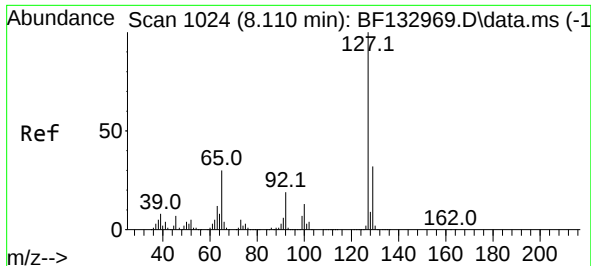
Ion Ratio Lower Upper

122 100

105 124.3 104.2 144.2

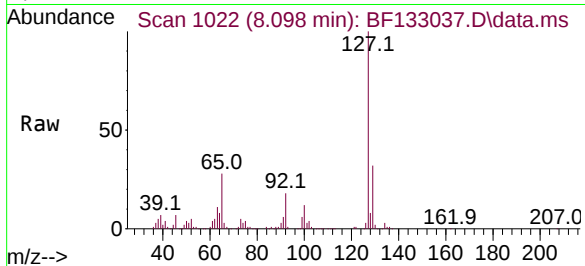
77 87.7 69.7 109.7





#33
4-Chloroaniline
Concen: 8.757 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

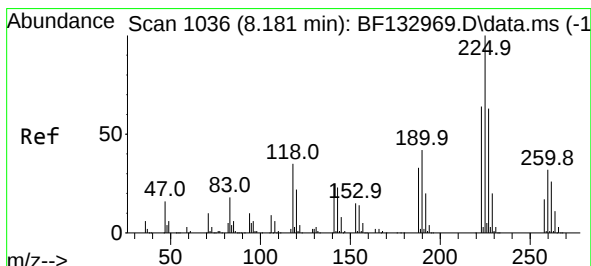
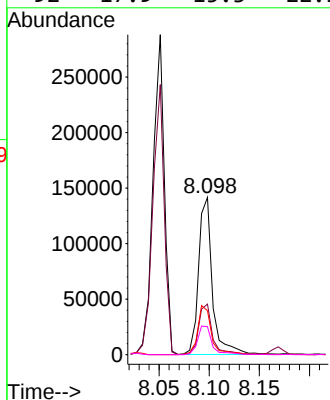
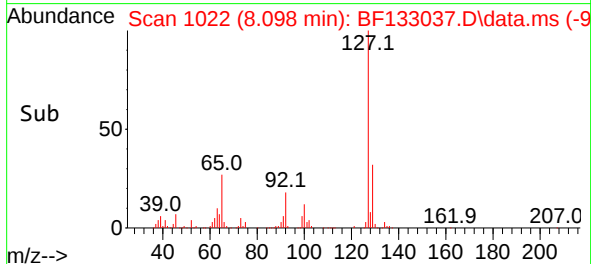
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:127 Resp: 136072
Ion Ratio Lower Upper
127 100
129 32.1 25.8 38.8
65 28.0 23.6 35.4
92 17.9 15.3 22.9

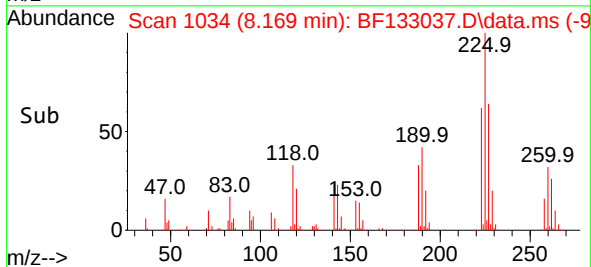
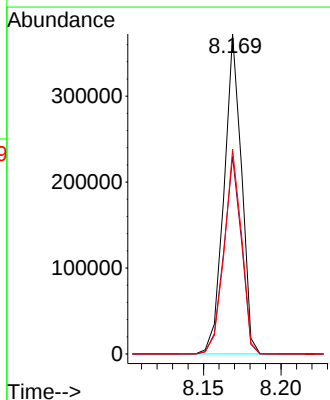
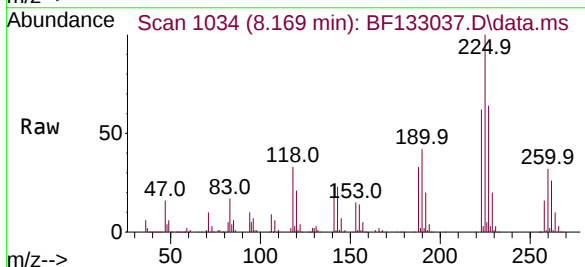
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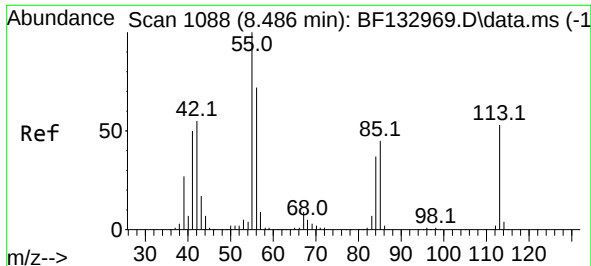
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#34
Hexachlorobutadiene
Concen: 46.571 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

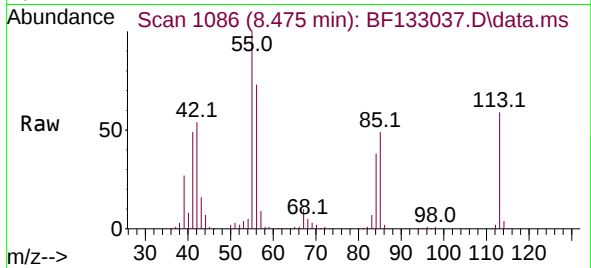
Tgt Ion:225 Resp: 290749
Ion Ratio Lower Upper
225 100
223 61.7 50.9 76.3
227 64.0 50.3 75.5





#35
 Caprolactam
 Concen: 50.939 ng m
 RT: 8.475 min Scan# 1086
 Delta R.T. 0.000 min
 Lab File: BF133037.D
 Acq: 25 Apr 2023 20:28

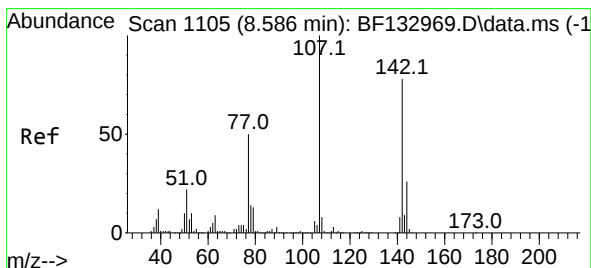
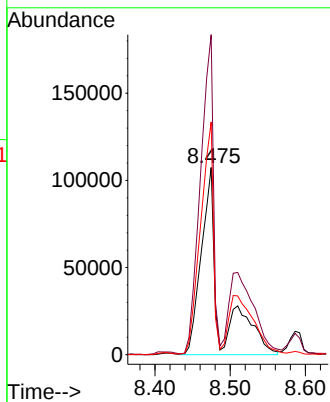
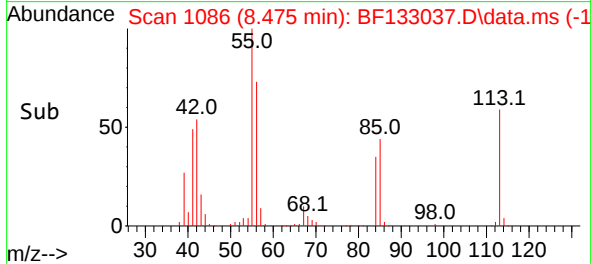
Instrument :
 BNA_F
 ClientSampleId :
 E-H4(ELEV-22)MSD



Tgt Ion:113 Resp: 186058
 Ion Ratio Lower Upper
 113 100
 55 170.9 167.1 207.1
 56 124.3 114.5 154.5

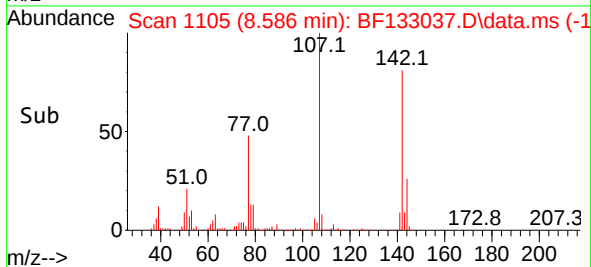
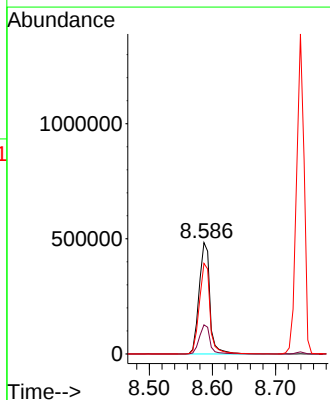
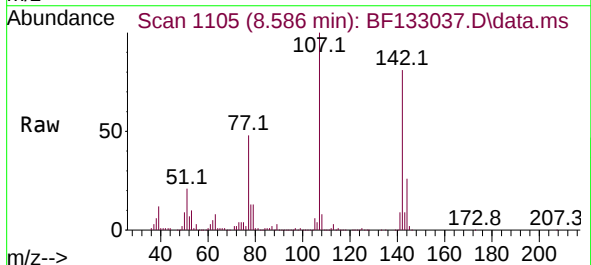
Manual Integrations
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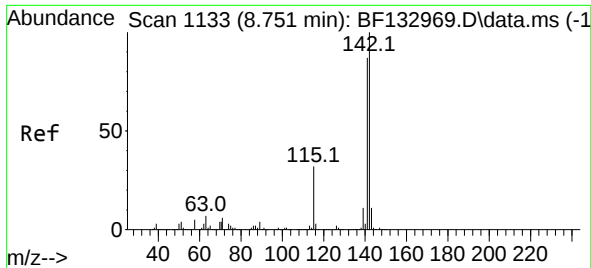
Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#36
 4-Chloro-3-methylphenol
 Concen: 48.914 ng
 RT: 8.586 min Scan# 1105
 Delta R.T. 0.000 min
 Lab File: BF133037.D
 Acq: 25 Apr 2023 20:28

Tgt Ion:107 Resp: 573506
 Ion Ratio Lower Upper
 107 100
 144 26.1 20.6 30.8
 142 81.4 62.8 94.2





#37

2-Methylnaphthalene

Concen: 44.518 ng

RT: 8.739 min Scan# 1131

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD

Tgt Ion:142 Resp: 117052

Ion Ratio Lower Upper

142 100

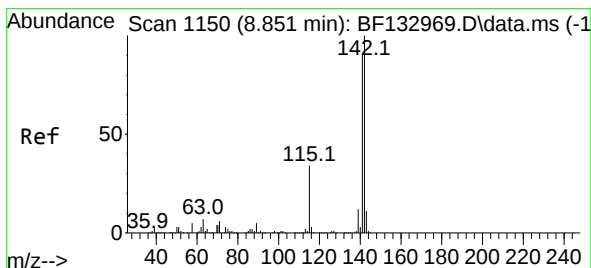
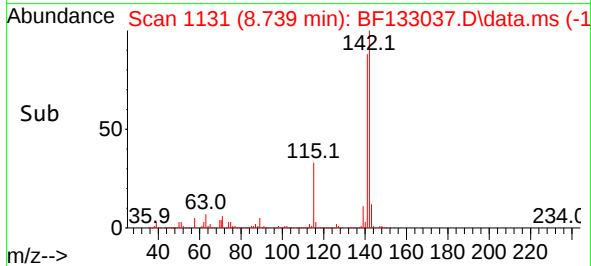
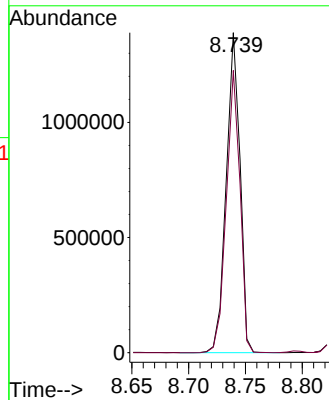
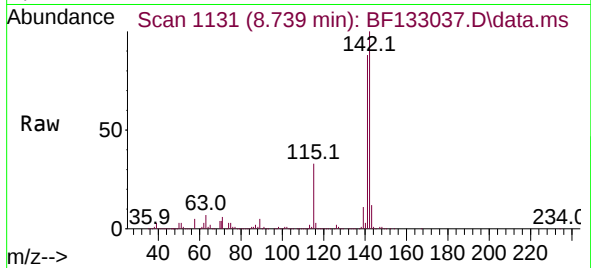
141 88.2 69.4 104.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#38

1-Methylnaphthalene

Concen: 44.218 ng

RT: 8.839 min Scan# 1148

Delta R.T. 0.000 min

Lab File: BF133037.D

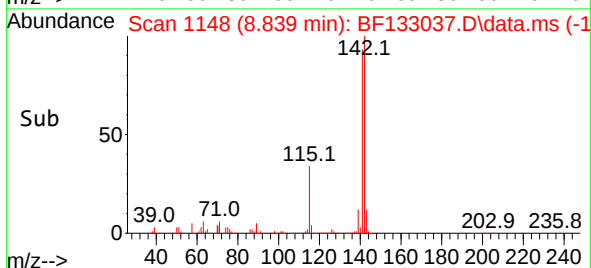
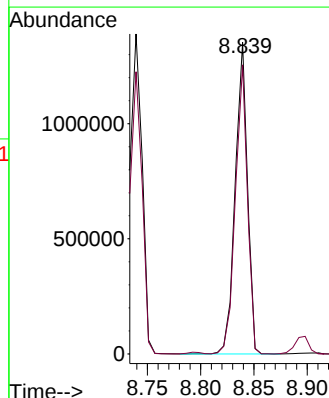
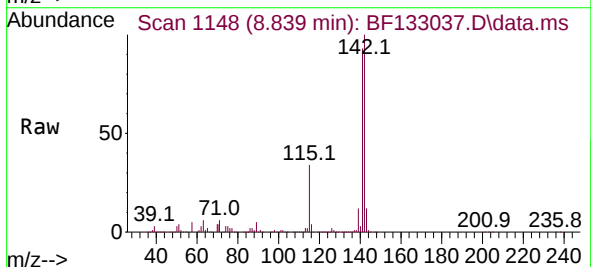
Acq: 25 Apr 2023 20:28

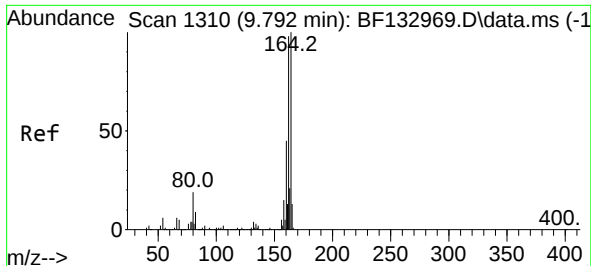
Tgt Ion:142 Resp: 1087623

Ion Ratio Lower Upper

142 100

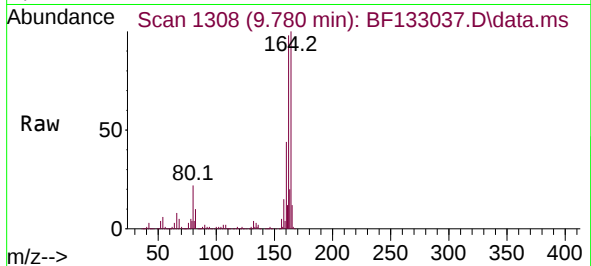
141 92.8 73.1 109.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

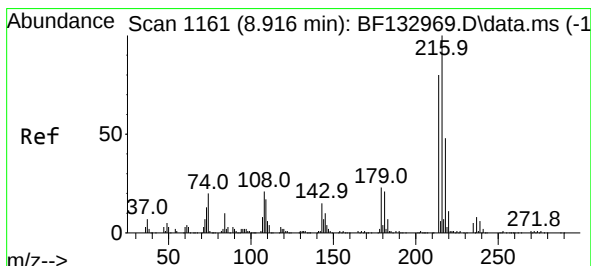
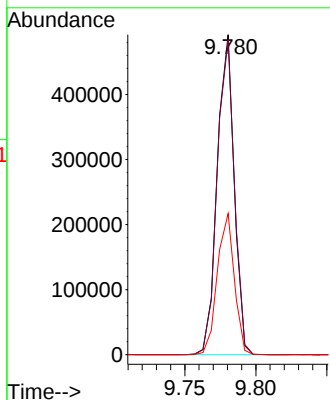
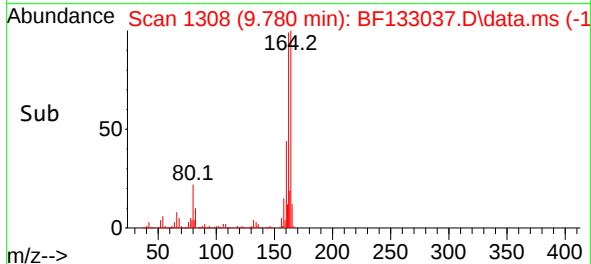
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:164 Resp: 407558
Ion Ratio Lower Upper
164 100
162 98.5 78.7 118.1
160 44.1 35.8 53.6

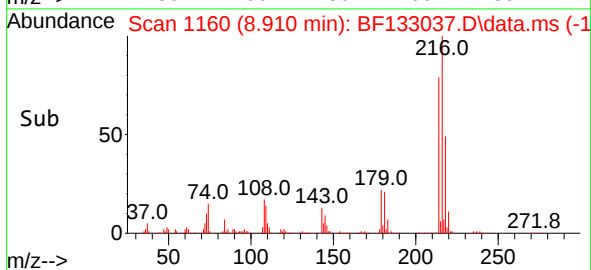
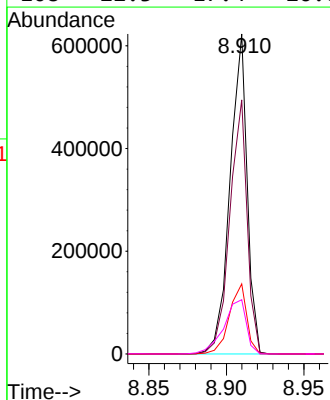
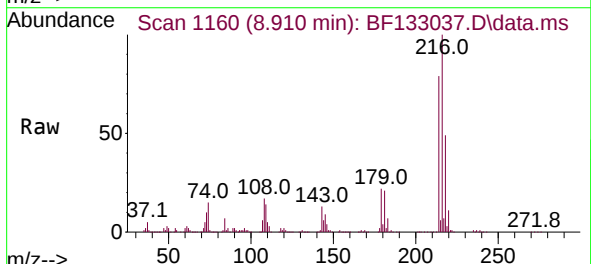
Manual Integrations
APPROVED

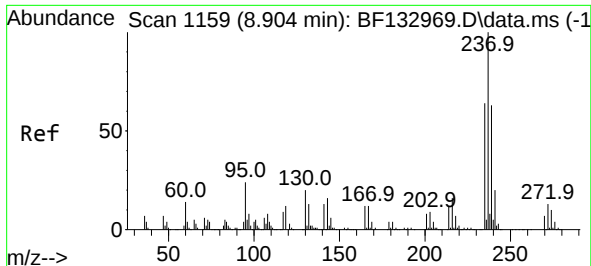
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.782 ng
RT: 8.910 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

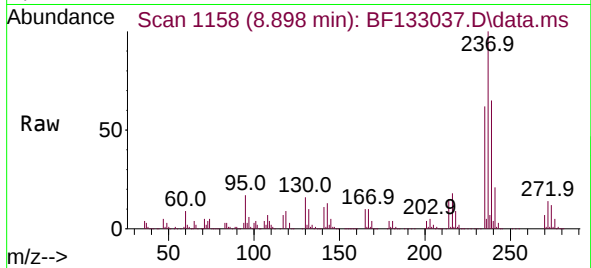
Tgt Ion:216 Resp: 479762
Ion Ratio Lower Upper
216 100
214 80.0 63.5 95.3
179 22.3 17.4 26.2
108 22.3 17.4 26.0





#41
Hexachlorocyclopentadiene
Concen: 92.213 ng
RT: 8.898 min Scan# 1158
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

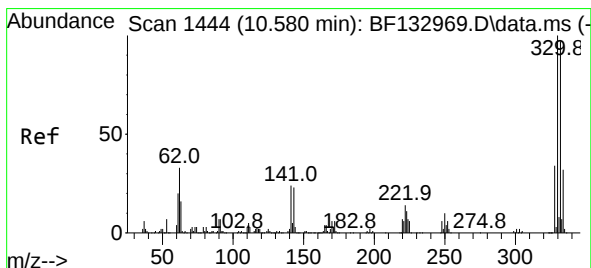
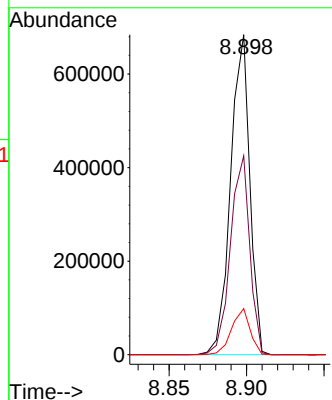
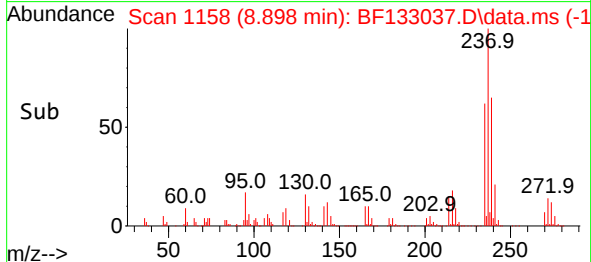
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



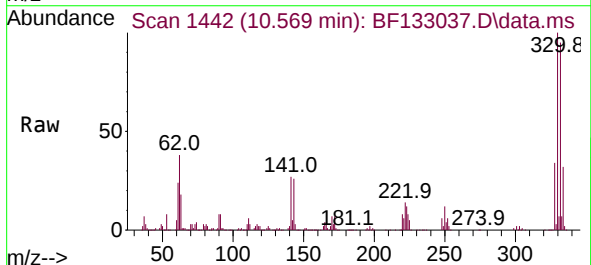
Tgt Ion:237 Resp: 58931
Ion Ratio Lower Upper
237 100
235 62.2 43.5 83.5
272 14.4 0.0 32.7

Manual Integrations
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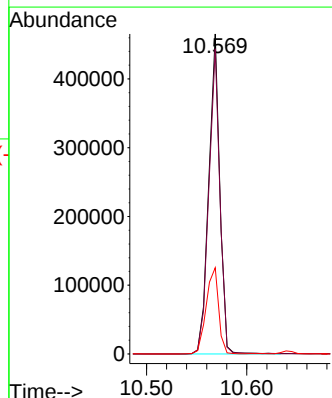
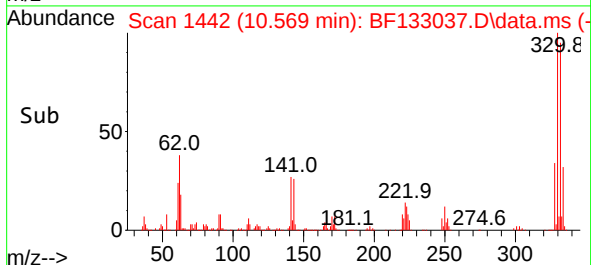
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

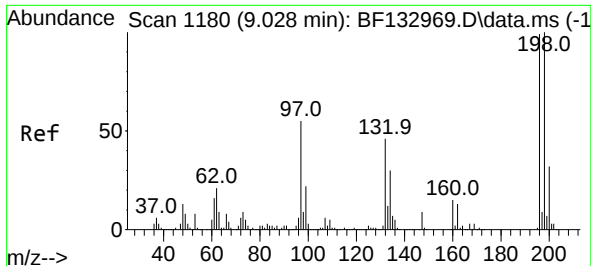


#42
2,4,6-Tribromophenol
Concen: 87.340 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28



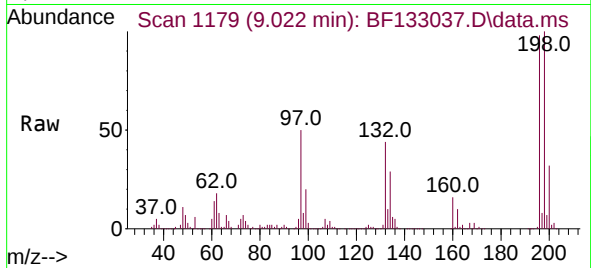
Tgt Ion:330 Resp: 357986
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 30.3 25.8 38.8





#43
2,4,6-Trichlorophenol
Concen: 45.802 ng
RT: 9.022 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

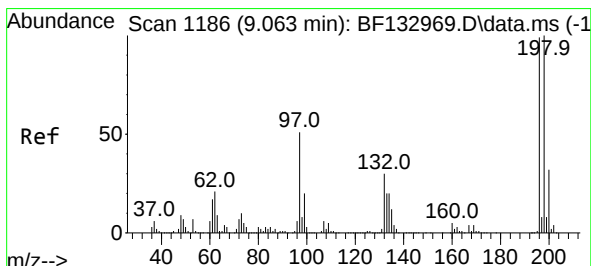
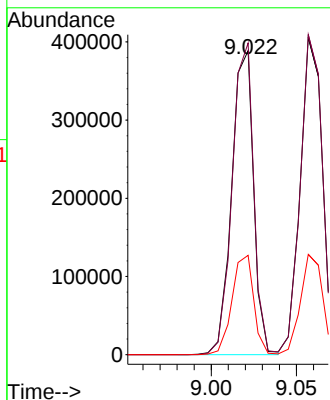
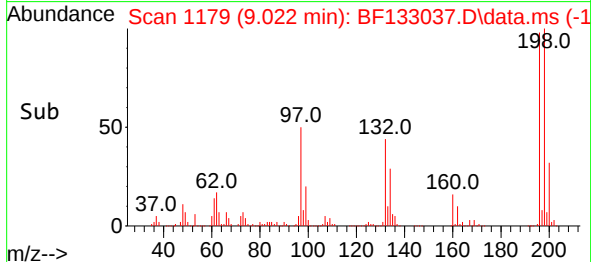
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



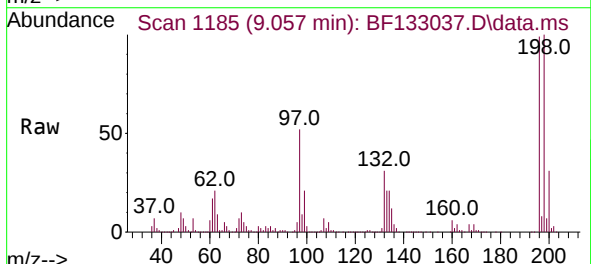
Tgt Ion:196 Resp: 347099
Ion Ratio Lower Upper
196 100
198 102.5 81.0 121.6
200 32.7 26.1 39.1

Manual Integrations
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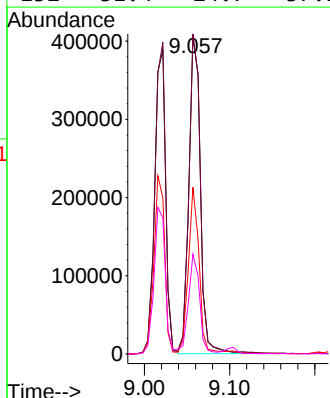
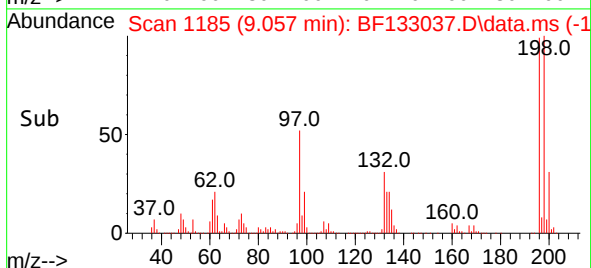
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

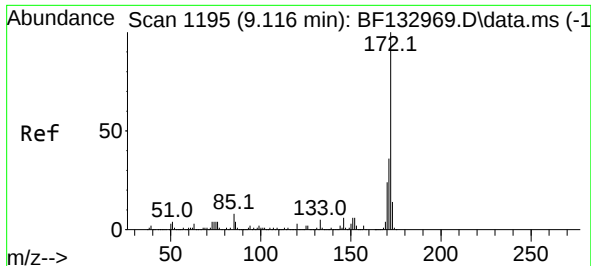


#44
2,4,5-Trichlorophenol
Concen: 43.577 ng
RT: 9.057 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28



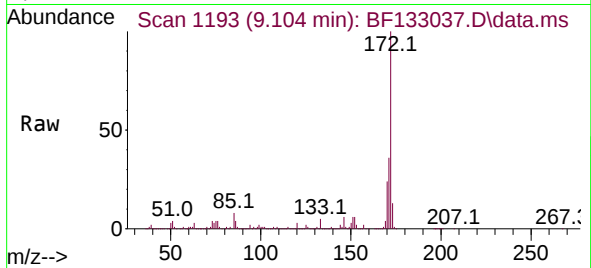
Tgt Ion:196 Resp: 381930
Ion Ratio Lower Upper
196 100
198 100.9 80.9 121.3
97 52.6 41.3 61.9
132 31.4 24.7 37.1





#45
2-Fluorobiphenyl
Concen: 60.379 ng
RT: 9.104 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

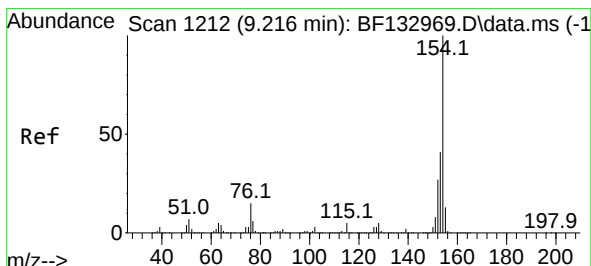
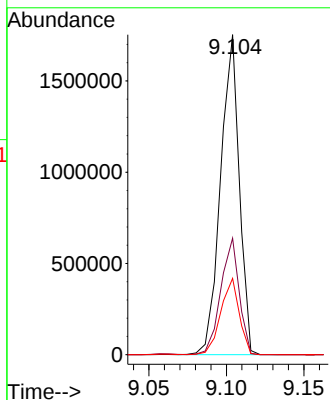
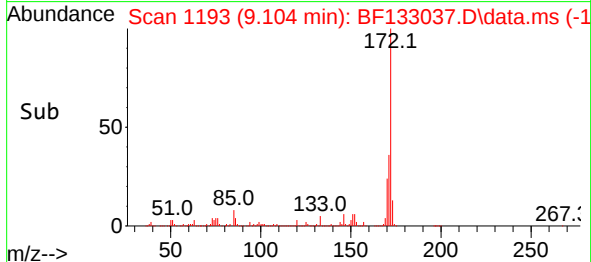
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:172 Resp: 1470870
Ion Ratio Lower Upper
172 100
171 36.4 28.8 43.2
170 23.9 19.4 29.2

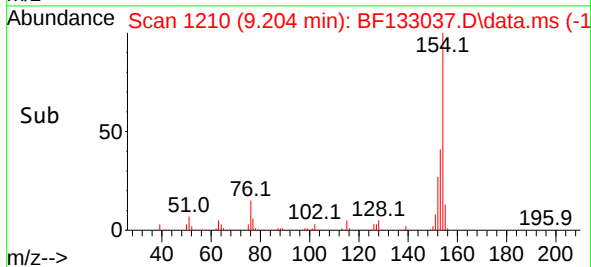
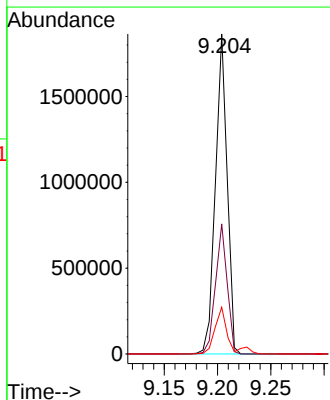
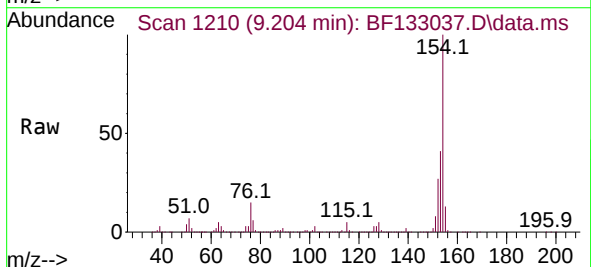
Manual Integrations
APPROVED

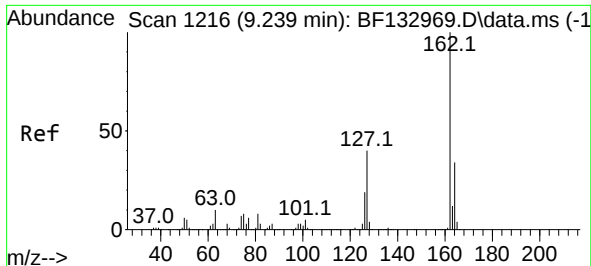
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#46
1,1'-Biphenyl
Concen: 43.972 ng
RT: 9.204 min Scan# 1210
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

Tgt Ion:154 Resp: 1421057
Ion Ratio Lower Upper
154 100
153 40.6 21.0 61.0
76 14.6 0.0 34.5





#47

2-Chloronaphthalene

Concen: 45.733 ng

RT: 9.227 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD

Tgt Ion:162 Resp: 108178

Ion Ratio Lower Upper

162 100

127 40.3 32.3 48.5

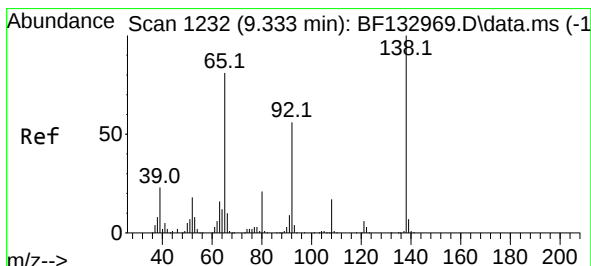
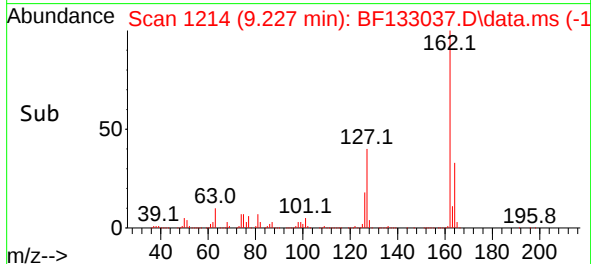
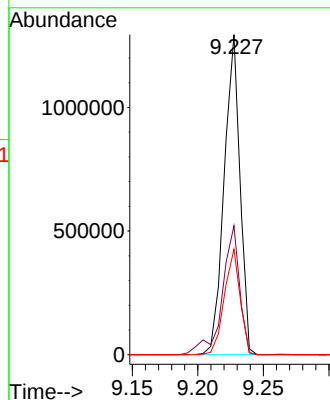
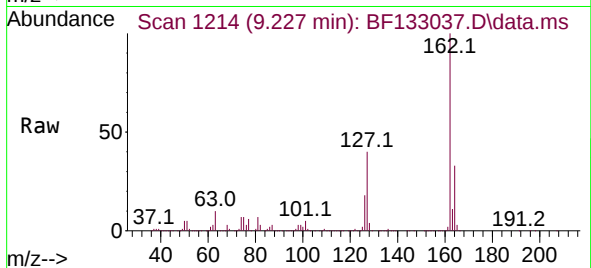
164 33.0 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#48

2-Nitroaniline

Concen: 44.411 ng

RT: 9.322 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

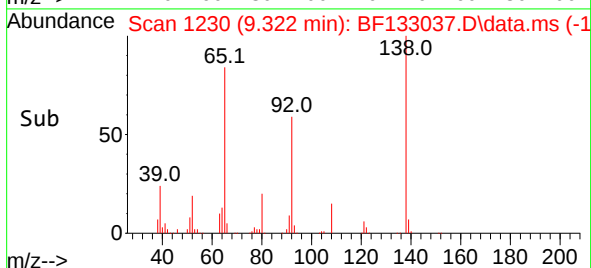
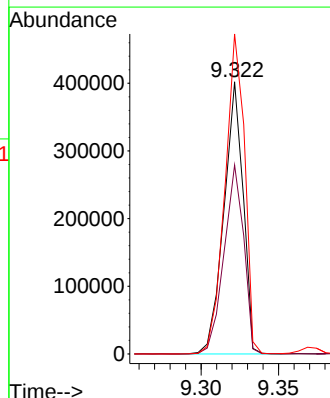
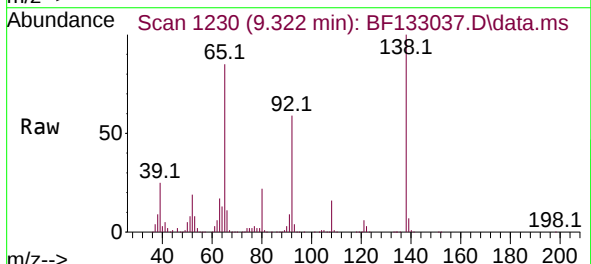
Tgt Ion: 65 Resp: 347188

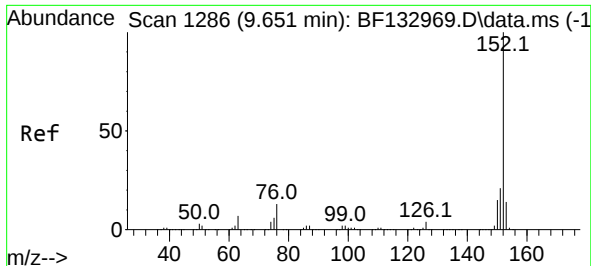
Ion Ratio Lower Upper

65 100

92 69.4 55.4 83.0

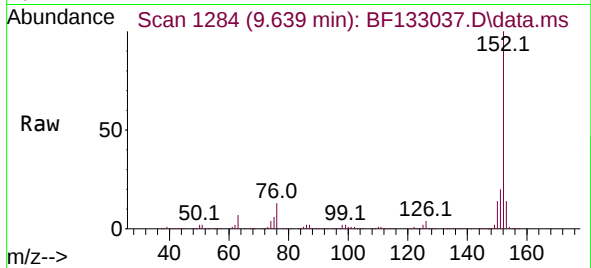
138 117.6 98.2 147.2





#49
Acenaphthylene
Concen: 44.618 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

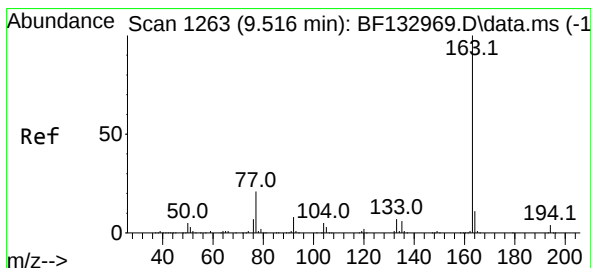
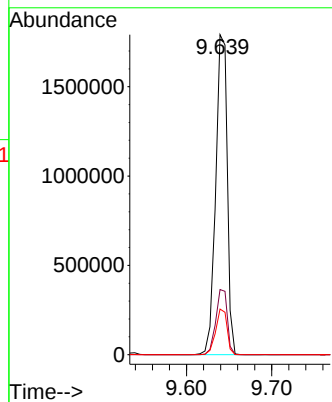
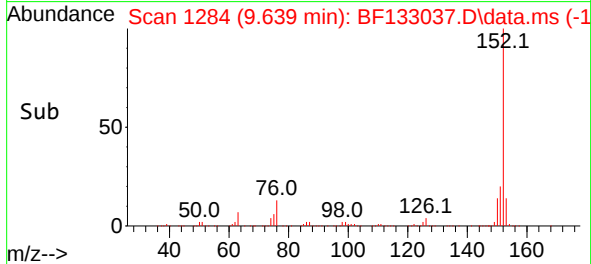
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:152 Resp: 1686352
Ion Ratio Lower Upper
152 100
151 20.3 16.6 24.8
153 14.2 11.5 17.3

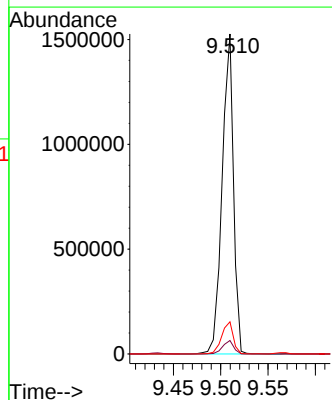
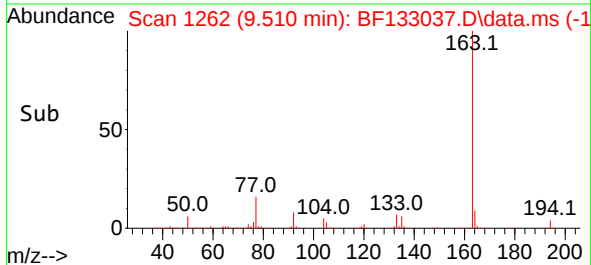
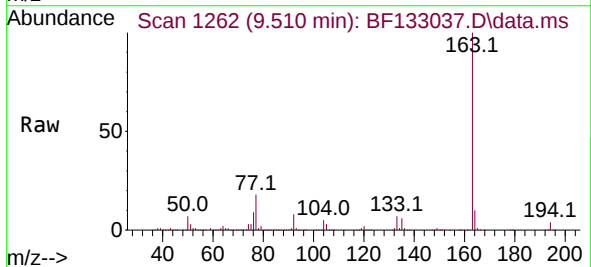
Manual Integrations
APPROVED

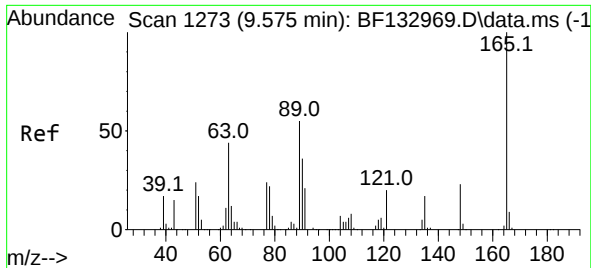
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#50
Dimethylphthalate
Concen: 44.891 ng
RT: 9.510 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

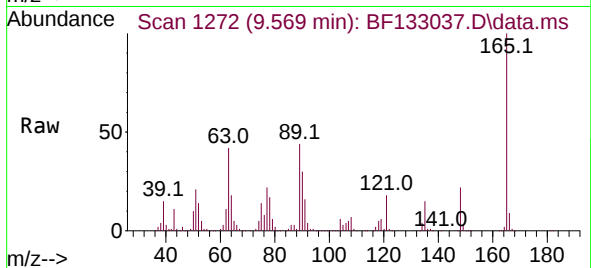
Tgt Ion:163 Resp: 1275719
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.1 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 47.064 ng
RT: 9.569 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

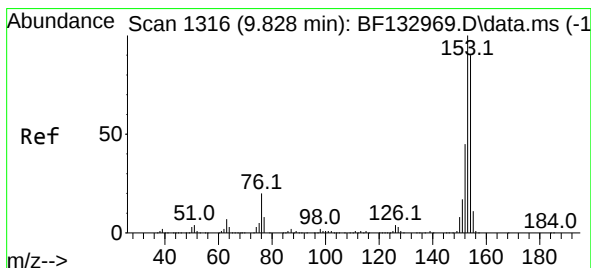
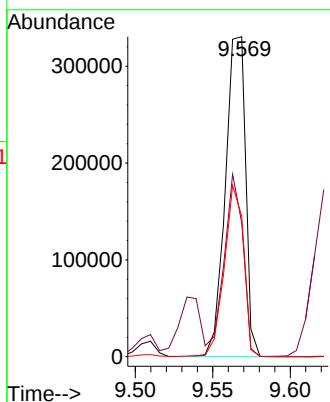
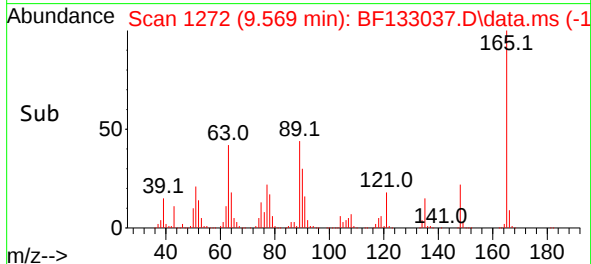
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:165 Resp: 301029
Ion Ratio Lower Upper
165 100
63 41.9 45.9 68.9
89 43.9 44.0 66.0

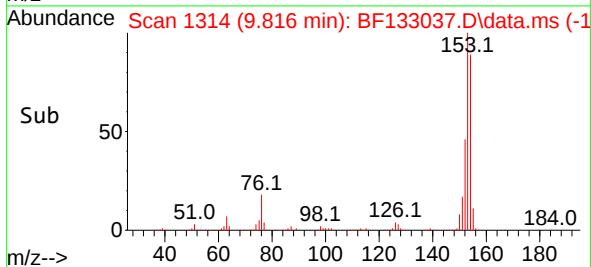
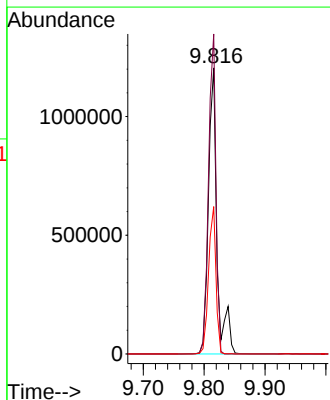
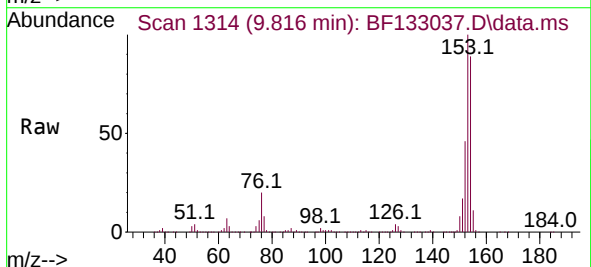
Manual Integrations
APPROVED

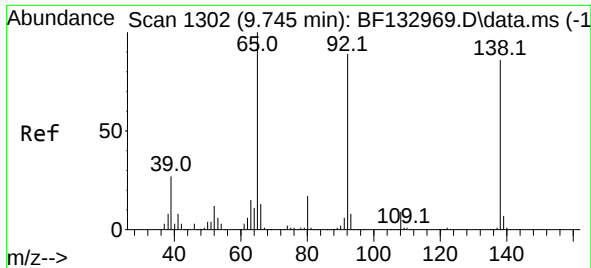
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#52
Acenaphthene
Concen: 46.807 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

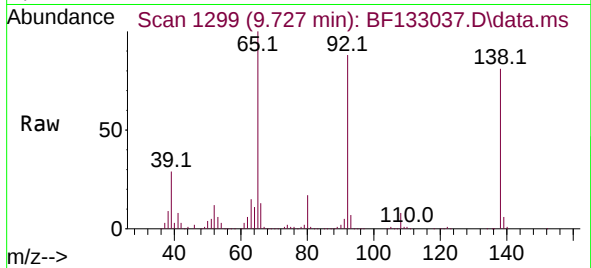
Tgt Ion:154 Resp: 1184869
Ion Ratio Lower Upper
154 100
153 111.9 89.0 133.6
152 51.5 40.4 60.6





#53
3-Nitroaniline
Concen: 21.975 ng
RT: 9.727 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

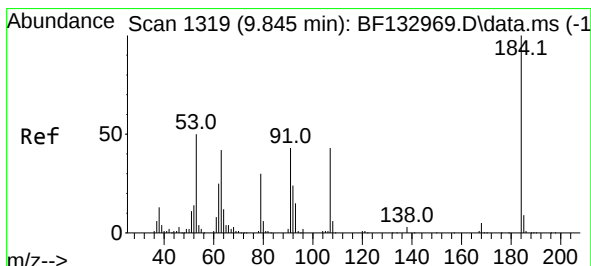
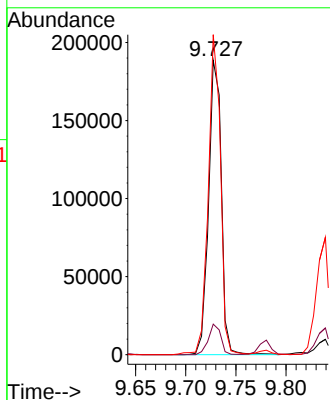
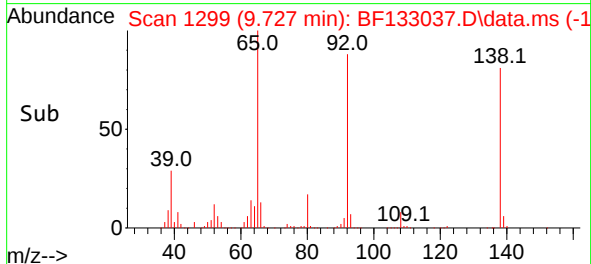
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



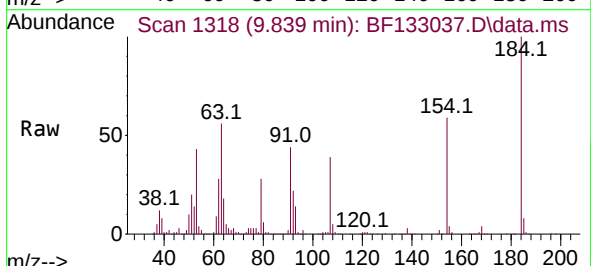
Tgt Ion:138 Resp: 16712
Ion Ratio Lower Upper
138 100
108 10.4 8.0 12.0
92 108.8 83.6 125.4

Manual Integrations
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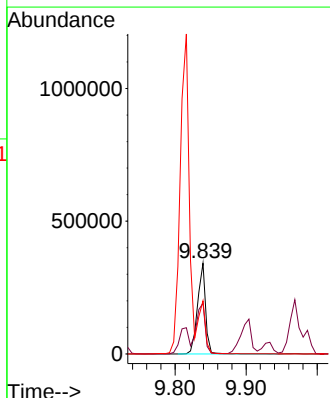
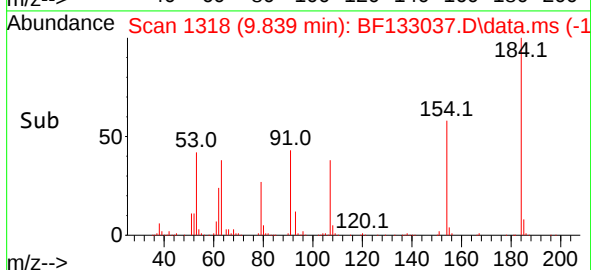
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

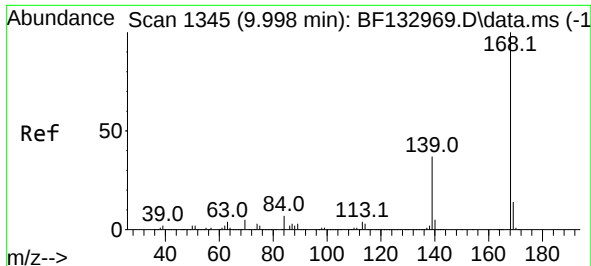


#54
2,4-Dinitrophenol
Concen: 83.977 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28



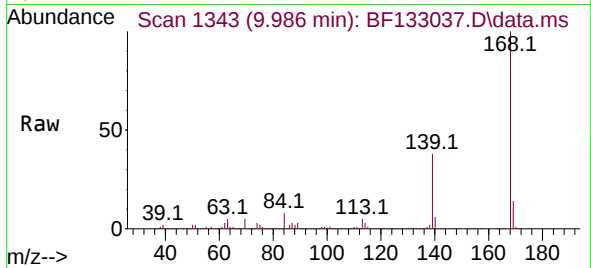
Tgt Ion:184 Resp: 269988
Ion Ratio Lower Upper
184 100
63 56.0 49.8 74.8
154 58.6 49.5 74.3





#55
Dibenzenofuran
Concen: 43.860 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

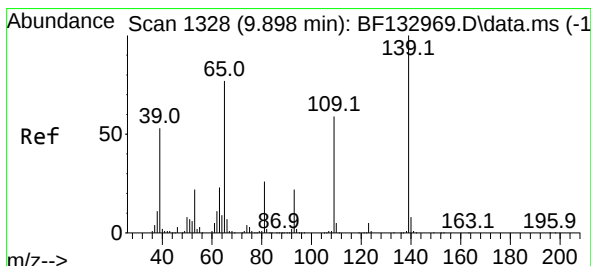
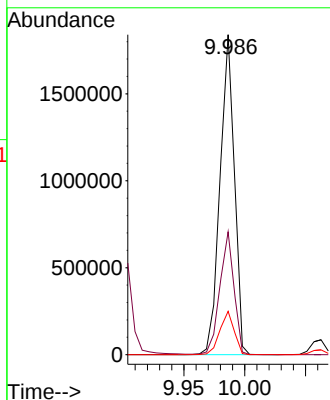
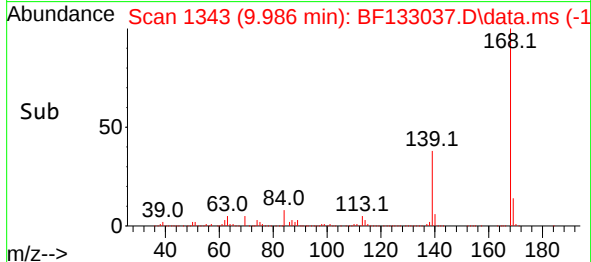
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



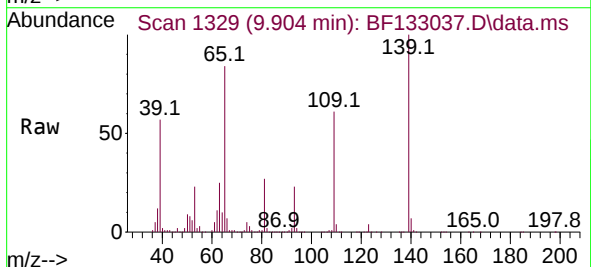
Tgt Ion:168 Resp: 1514495
Ion Ratio Lower Upper
168 100
139 38.4 29.8 44.8
169 13.5 10.8 16.2

Manual Integrations
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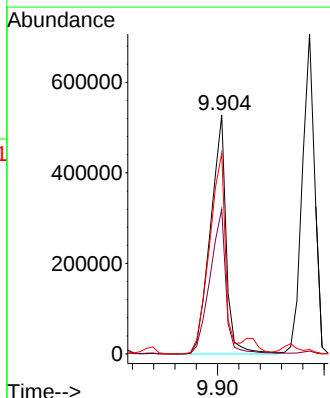
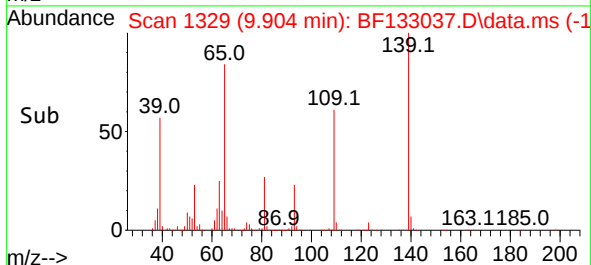
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

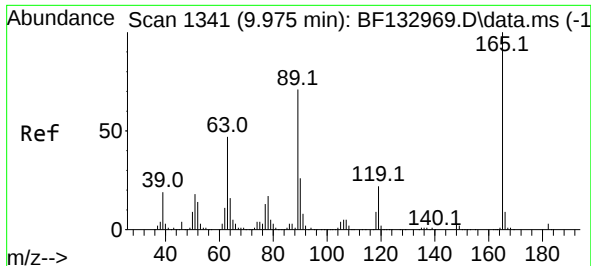


#56
4-Nitrophenol
Concen: 91.930 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.012 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28



Tgt Ion:139 Resp: 541502
Ion Ratio Lower Upper
139 100
109 60.6 39.4 79.4
65 84.1 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 49.579 ng

RT: 9.969 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD

Tgt Ion:165 Resp: 404414

Ion Ratio Lower Upper

165 100

63 42.1 37.7 56.5

89 66.5 57.0 85.4

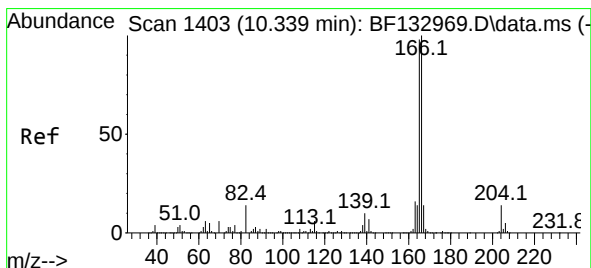
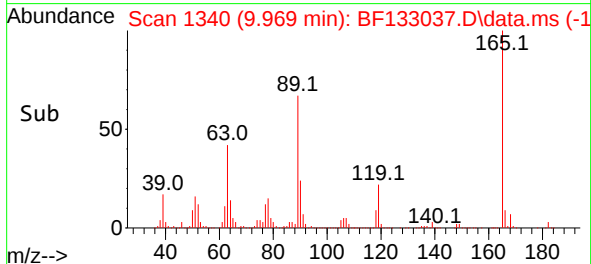
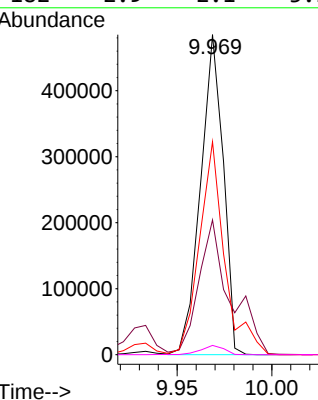
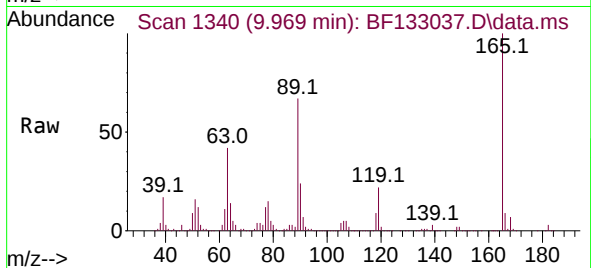
182 2.9 2.1 3.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#58

Fluorene

Concen: 44.286 ng

RT: 10.327 min Scan# 1401

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

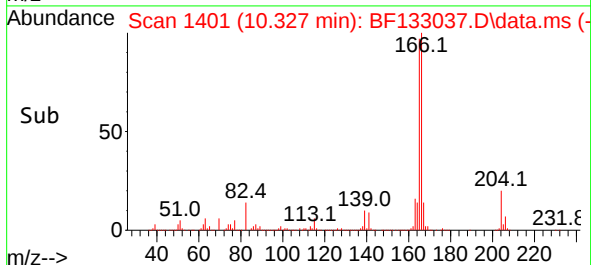
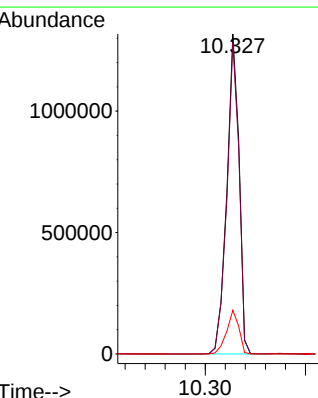
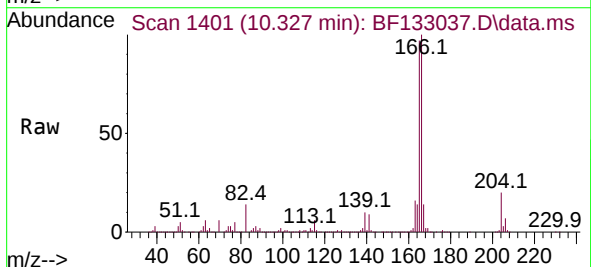
Tgt Ion:166 Resp: 1120371

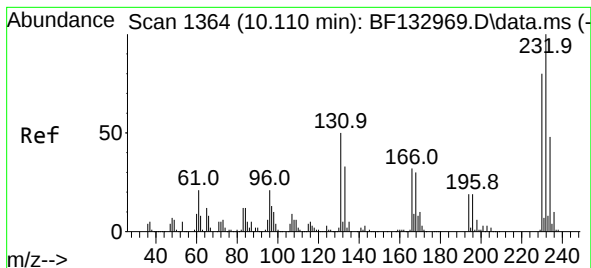
Ion Ratio Lower Upper

166 100

165 97.2 78.6 117.8

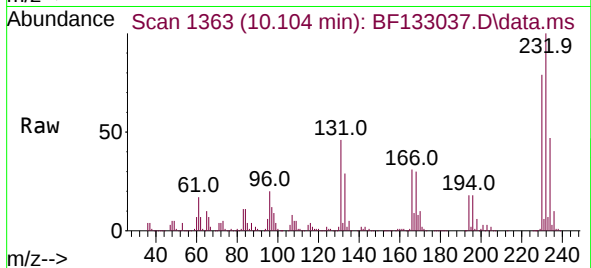
167 13.6 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.786 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

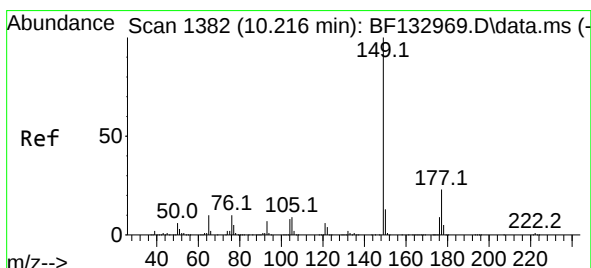
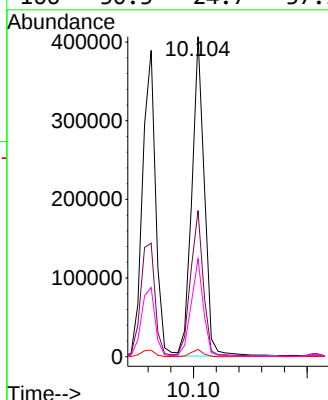
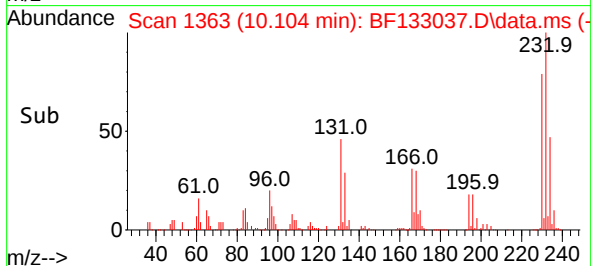
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:232 Resp: 311104
Ion Ratio Lower Upper
232 100
131 47.0 38.0 57.0
130 2.2 1.8 2.8
166 30.3 24.7 37.1

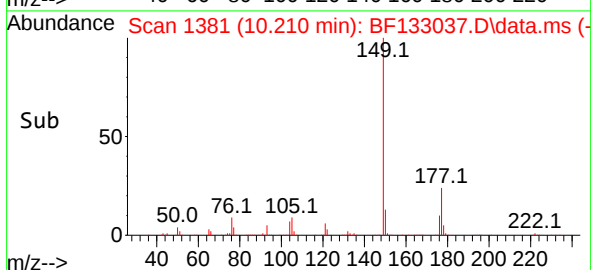
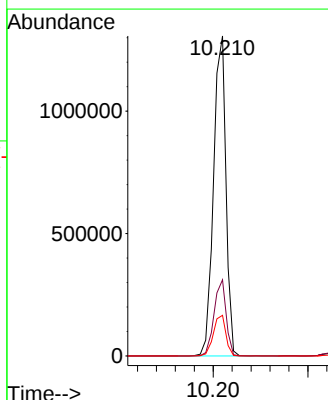
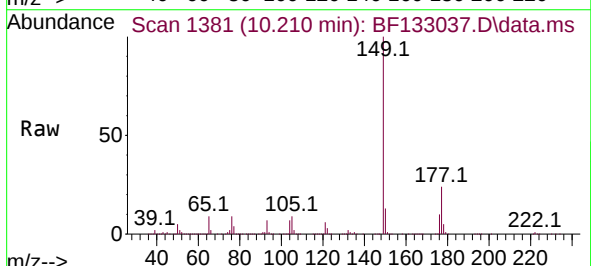
Manual Integrations
APPROVED

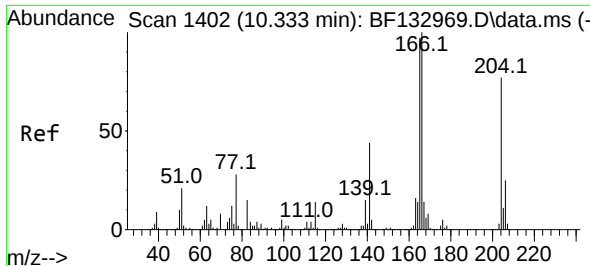
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#60
Diethylphthalate
Concen: 44.184 ng
RT: 10.210 min Scan# 1381
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

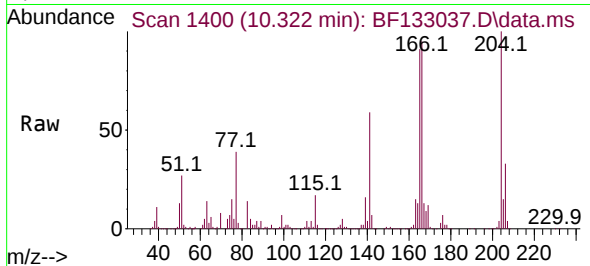
Tgt Ion:149 Resp: 1186007
Ion Ratio Lower Upper
149 100
177 23.8 18.2 27.4
150 12.7 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 43.649 ng
RT: 10.322 min Scan# 1400
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

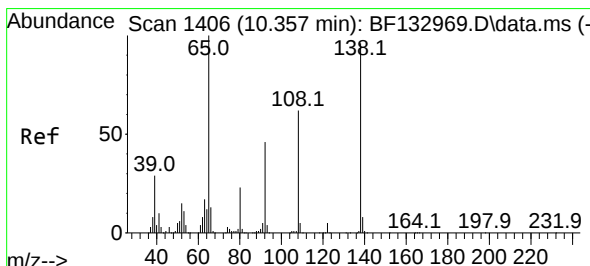
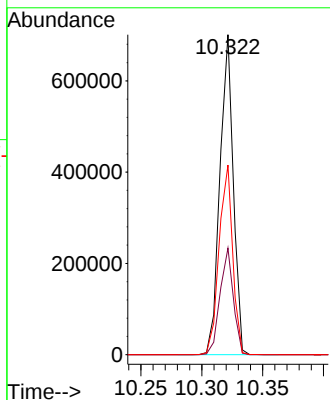
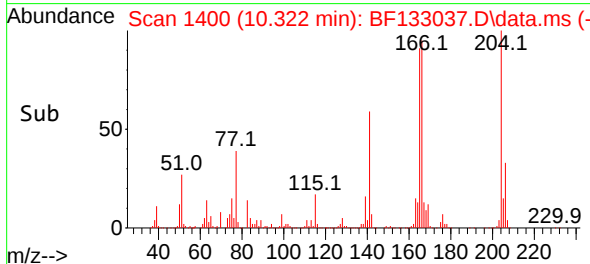
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



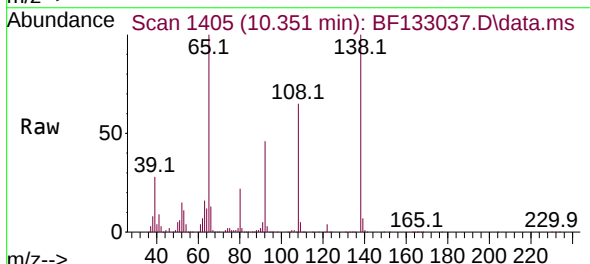
Tgt Ion:204 Resp: 538120
Ion Ratio Lower Upper
204 100
206 33.3 26.1 39.1
141 59.2 46.1 69.1

Manual Integrations
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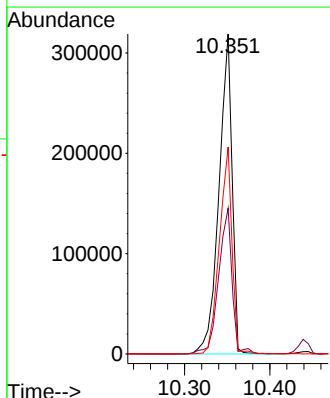
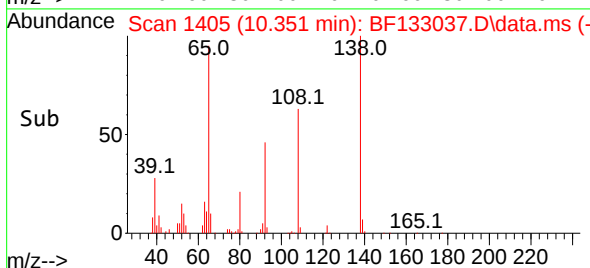
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

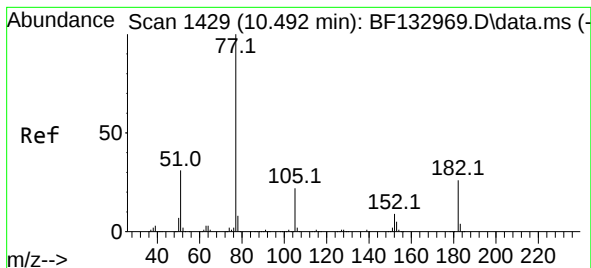


#62
4-Nitroaniline
Concen: 48.893 ng
RT: 10.351 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28



Tgt Ion:138 Resp: 341759
Ion Ratio Lower Upper
138 100
92 45.6 27.7 67.7
108 64.6 45.2 85.2





#63

Azobenzene

Concen: 46.406 ng

RT: 10.480 min Scan# 1429

Delta R.T. -0.006 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD

Tgt Ion: 77 Resp: 131957

Ion Ratio Lower Upper

77 100

182 25.1 5.9 45.9

105 23.0 2.3 42.3

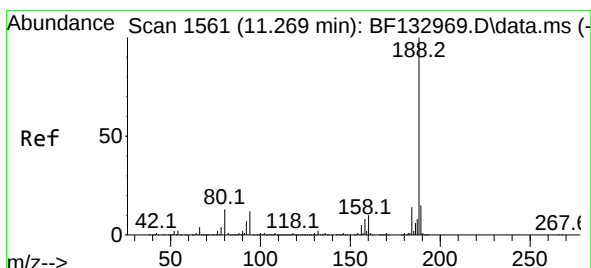
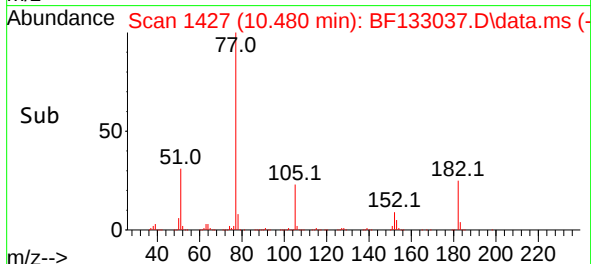
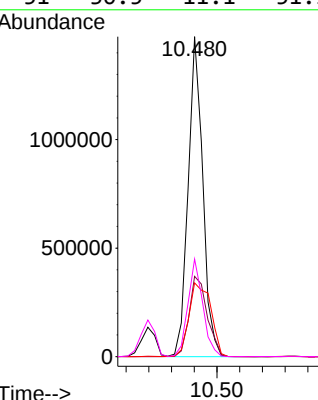
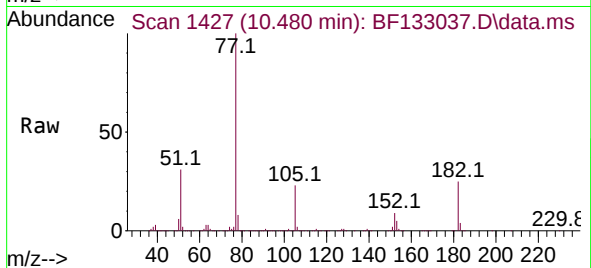
51 30.5 11.1 51.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.257 min Scan# 1559

Delta R.T. -0.006 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

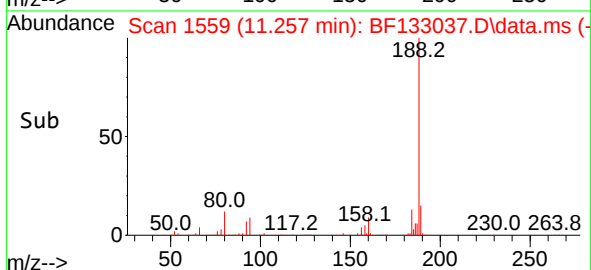
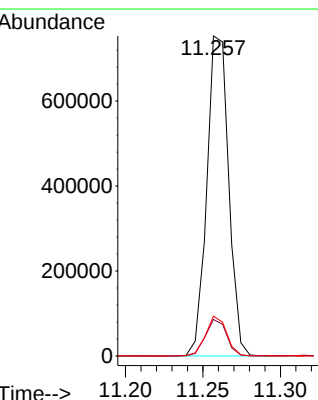
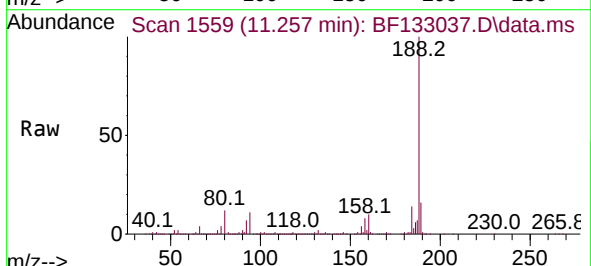
Tgt Ion:188 Resp: 739508

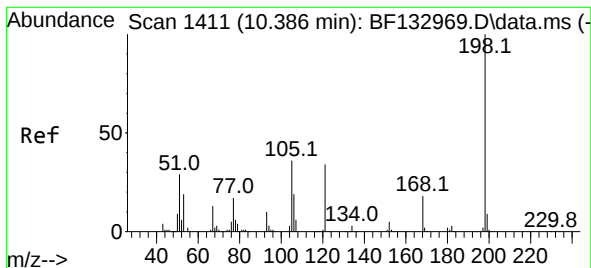
Ion Ratio Lower Upper

188 100

94 11.4 9.7 14.5

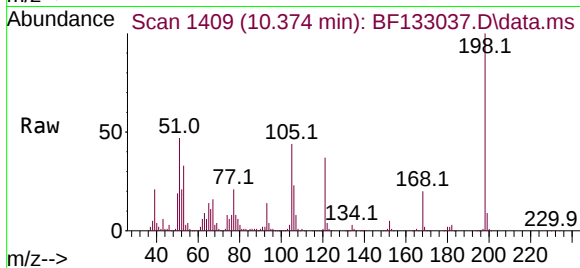
80 12.5 10.4 15.6





#65
4,6-Dinitro-2-methylphenol
Concen: 47.247 ng
RT: 10.374 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

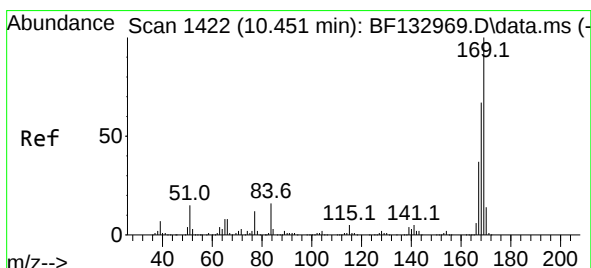
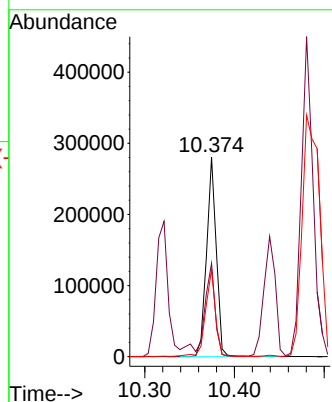
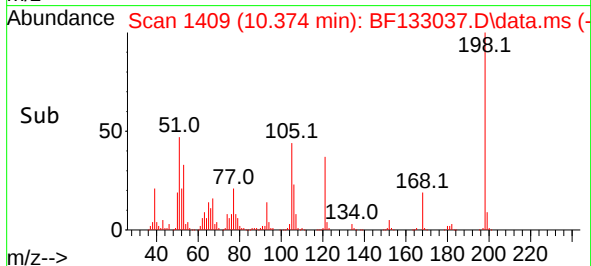
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:198 Resp: 211771
Ion Ratio Lower Upper
198 100
51 46.8 15.5 55.5
105 43.7 16.7 56.7

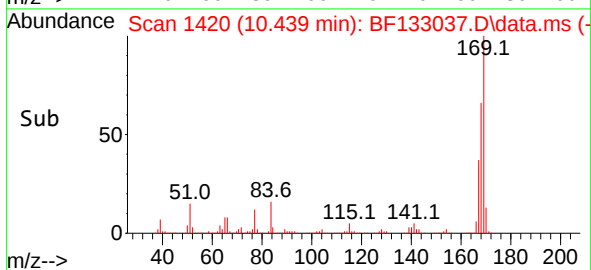
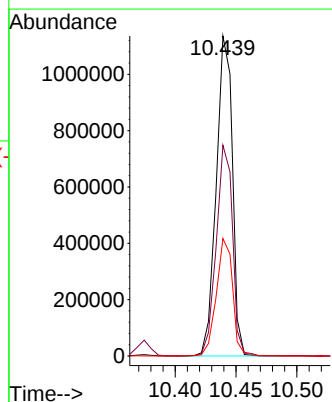
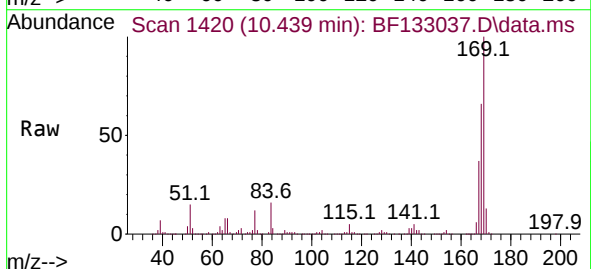
Manual Integrations
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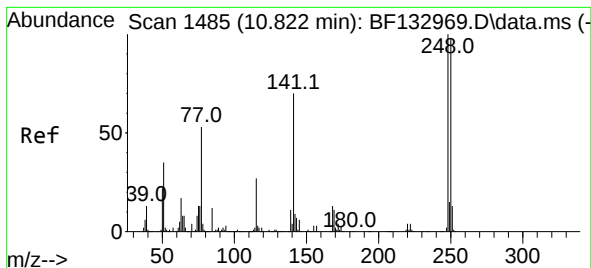
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#66
n-Nitrosodiphenylamine
Concen: 43.845 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

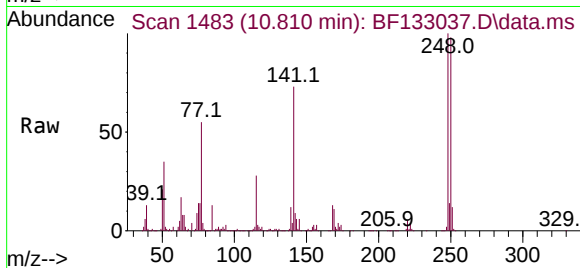
Tgt Ion:169 Resp: 1051751
Ion Ratio Lower Upper
169 100
168 65.8 53.8 80.8
167 36.7 29.7 44.5





#67
4-Bromophenyl-phenylether
Concen: 44.258 ng
RT: 10.810 min Scan# 1483
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

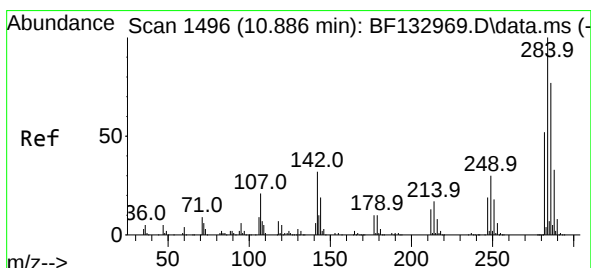
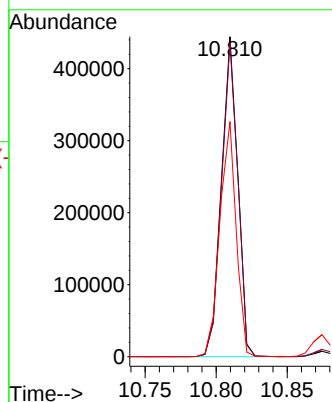
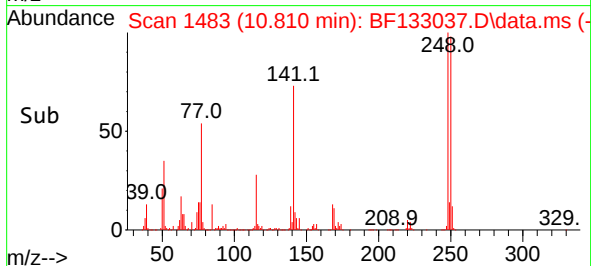
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



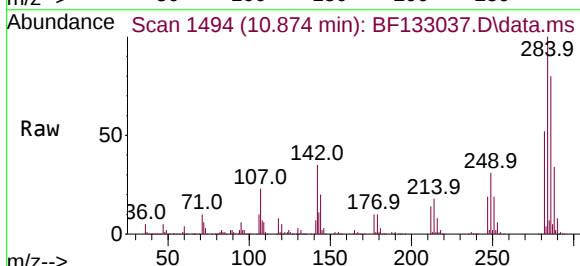
Tgt Ion:248 Resp: 354970
Ion Ratio Lower Upper
248 100
250 97.9 78.7 118.1
141 73.5 56.3 84.5

Manual Integrations
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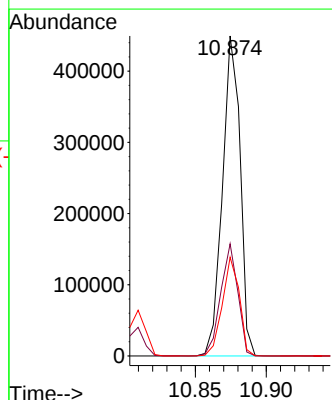
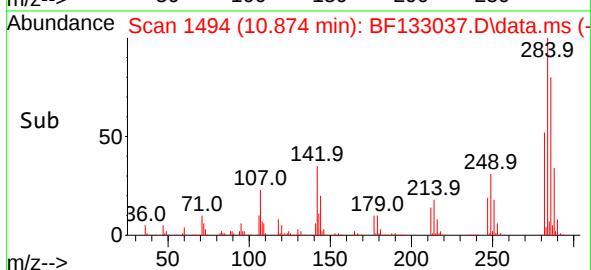
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

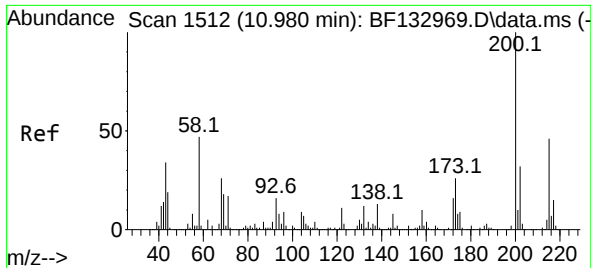


#68
Hexachlorobenzene
Concen: 47.231 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28



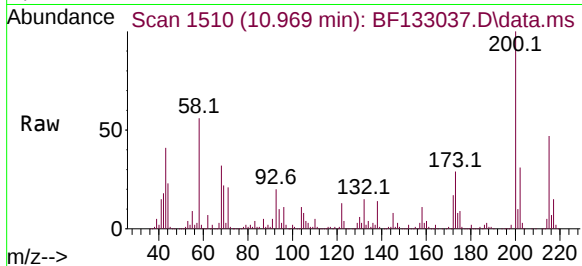
Tgt Ion:284 Resp: 388164
Ion Ratio Lower Upper
284 100
142 35.0 26.0 39.0
249 30.8 23.7 35.5





#69
Atrazine
Concen: 52.207 ng
RT: 10.969 min Scan# 1512
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

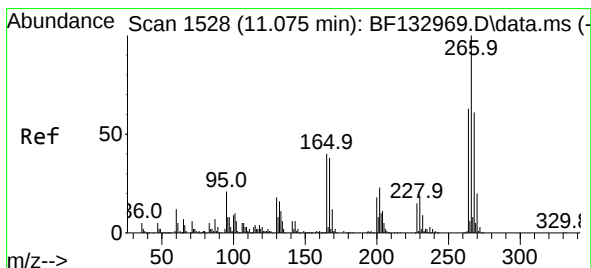
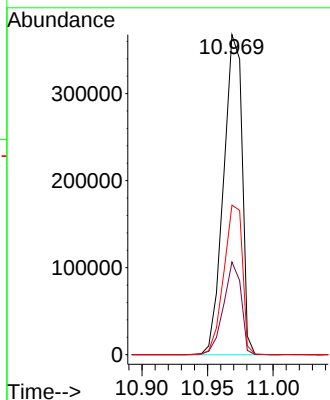
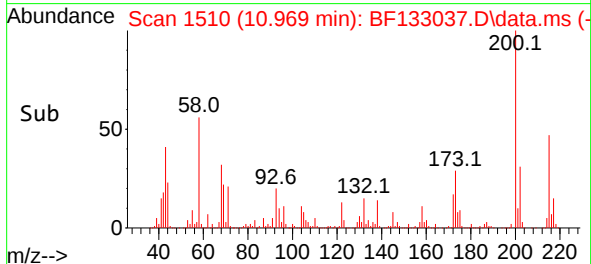
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



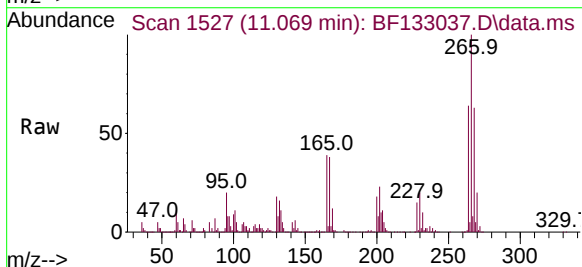
Tgt Ion:200 Resp: 360852
Ion Ratio Lower Upper
200 100
173 29.0 6.2 46.2
215 46.7 26.3 66.3

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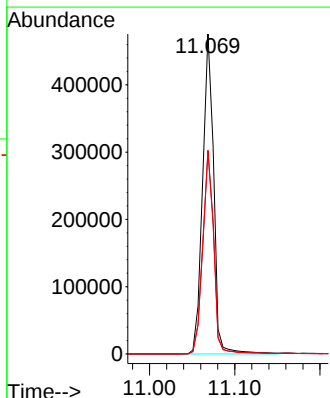
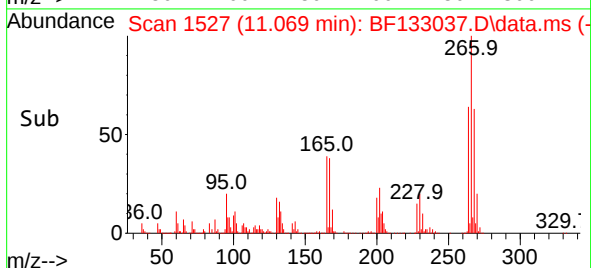
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

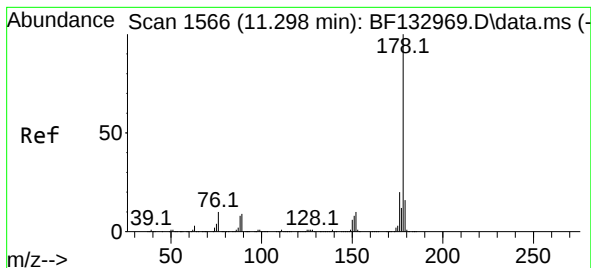


#70
Pentachlorophenol
Concen: 73.246 ng
RT: 11.069 min Scan# 1527
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28



Tgt Ion:266 Resp: 428714
Ion Ratio Lower Upper
266 100
268 63.5 48.8 73.2
264 63.7 50.6 76.0





#71

Phenanthrene

Concen: 43.959 ng

RT: 11.286 min Scan# 1564

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD

Tgt Ion:178 Resp: 1747209

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

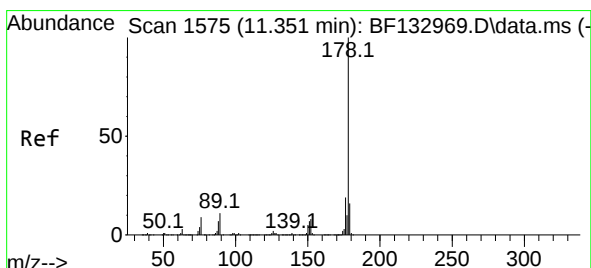
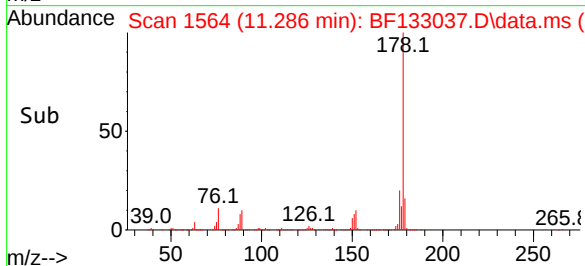
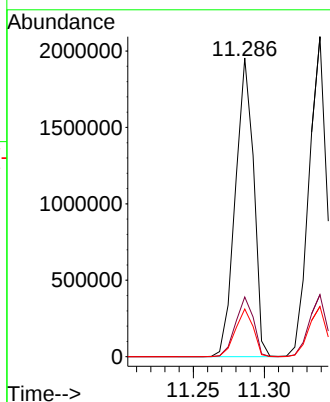
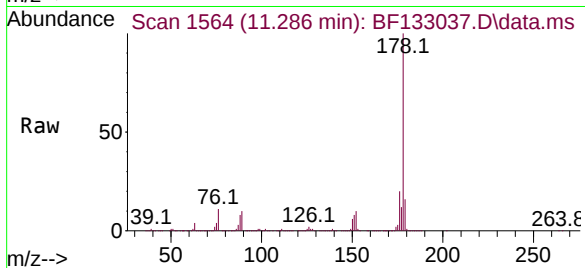
179 16.0 12.5 18.7

Manual Integrations

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Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#72

Anthracene

Concen: 44.003 ng

RT: 11.339 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

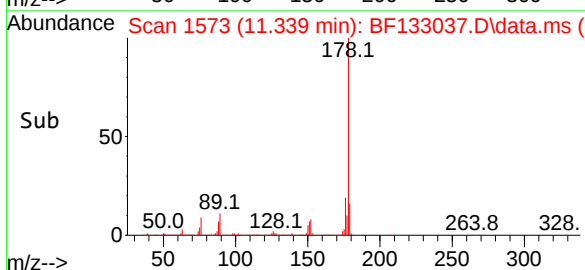
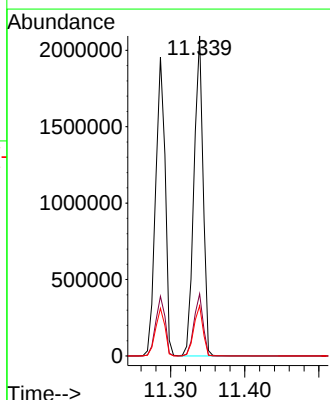
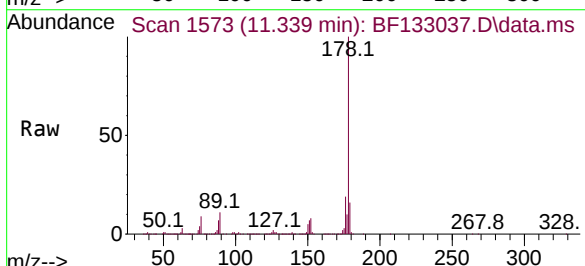
Tgt Ion:178 Resp: 1789877

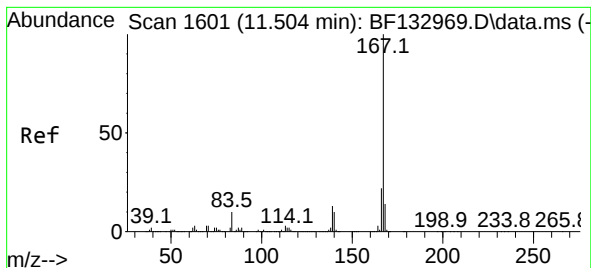
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 15.7 12.4 18.6





#73

Carbazole

Concen: 45.574 ng

RT: 11.492 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD

Tgt Ion:167 Resp: 1650640

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.0

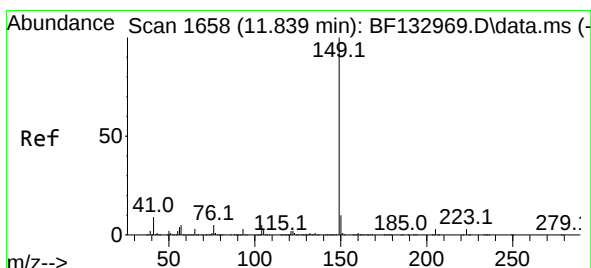
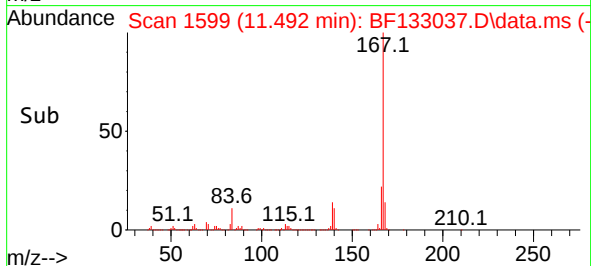
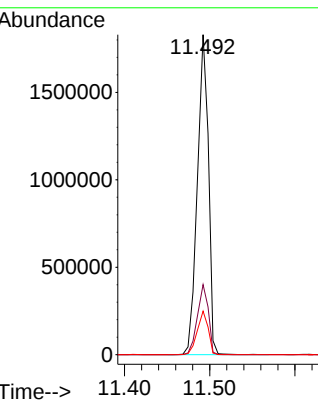
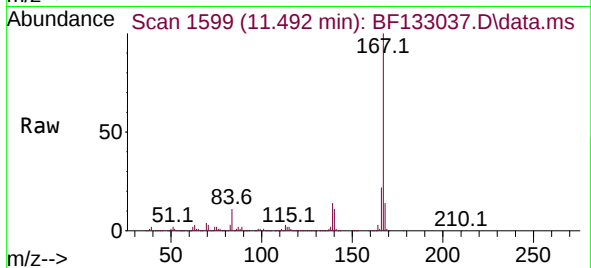
139 13.6 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#74

Di-n-butylphthalate

Concen: 46.957 ng

RT: 11.827 min Scan# 1656

Delta R.T. -0.006 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

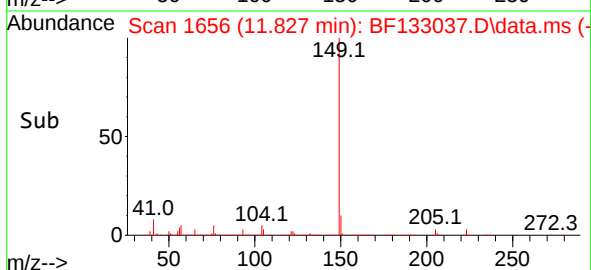
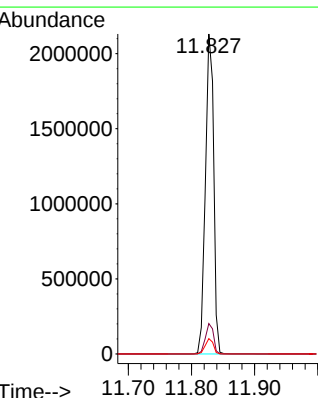
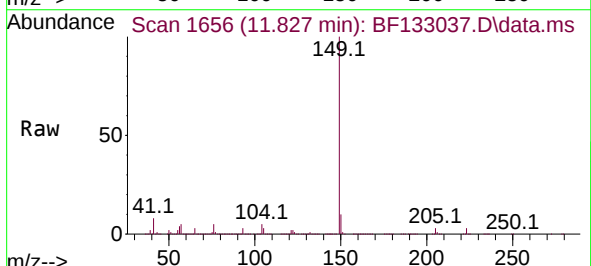
Tgt Ion:149 Resp: 1924640

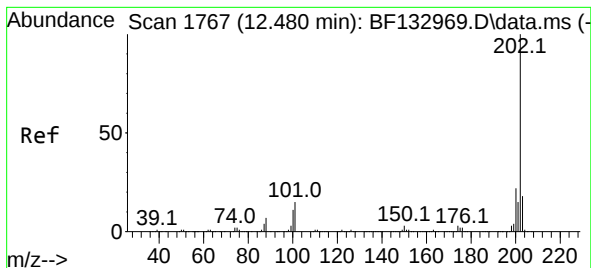
Ion Ratio Lower Upper

149 100

150 9.5 7.6 11.4

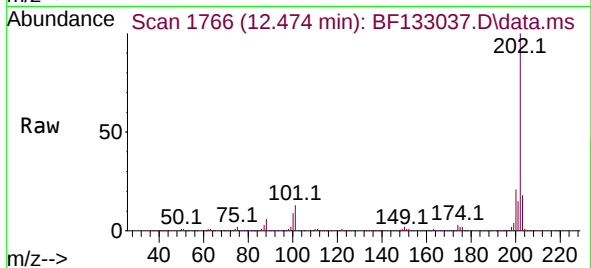
104 4.8 4.0 6.0





#75
Fluoranthene
Concen: 45.511 ng
RT: 12.474 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

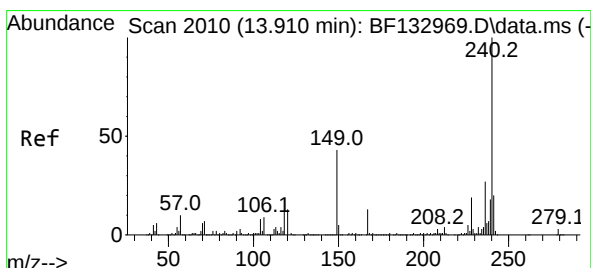
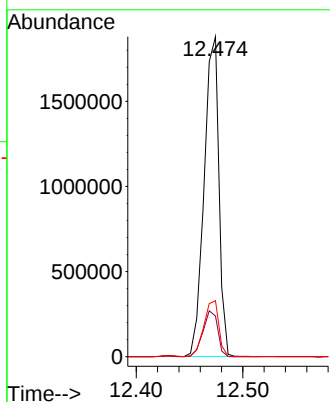
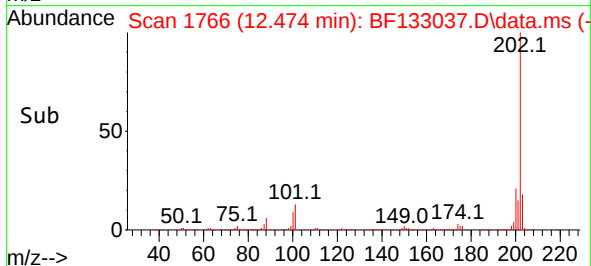
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



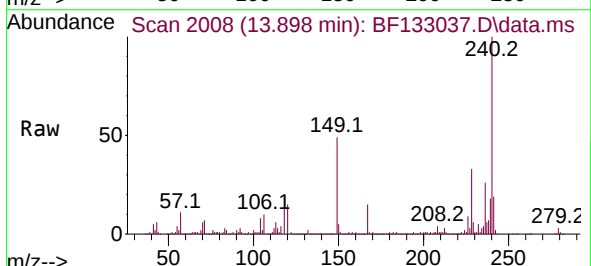
Tgt Ion:202 Resp: 181544
Ion Ratio Lower Upper
202 100
101 12.7 0.0 35.3
203 17.5 0.0 38.1

Manual Integrations
APPROVED

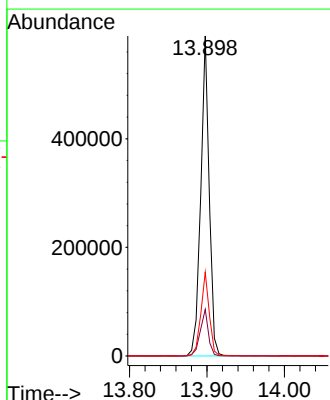
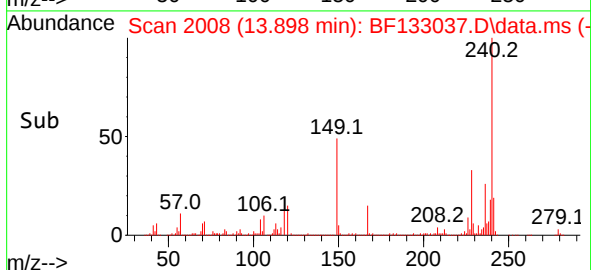
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

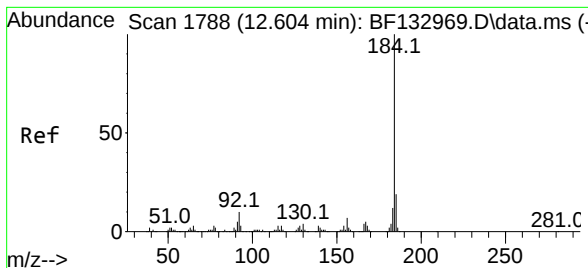


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28



Tgt Ion:240 Resp: 446952
Ion Ratio Lower Upper
240 100
120 14.6 10.5 15.7
236 26.2 21.5 32.3





#77

Benzidine

Concen: 91.514 ng

RT: 12.592 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

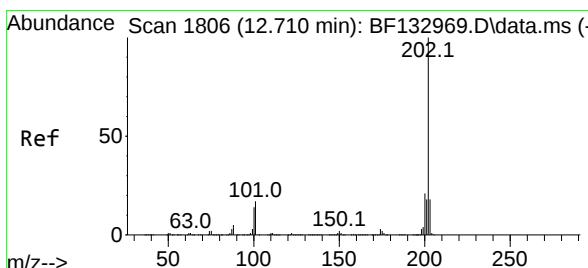
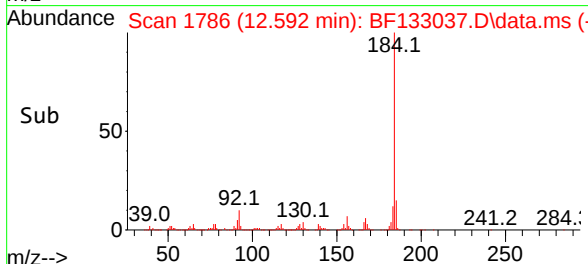
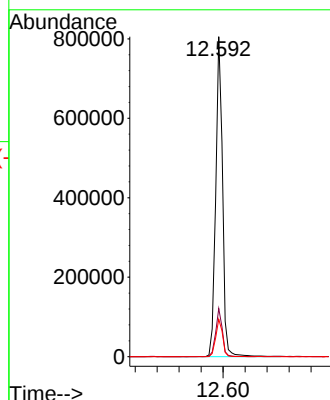
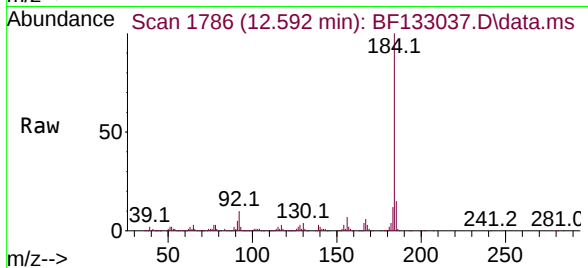
E-H4(ELEV-22)MSD

Tgt Ion:184 Resp: 691678
 Ion Ratio Lower Upper
 184 100
 185 15.0 15.4 23.2
 183 11.7 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#78

Pyrene

Concen: 48.824 ng

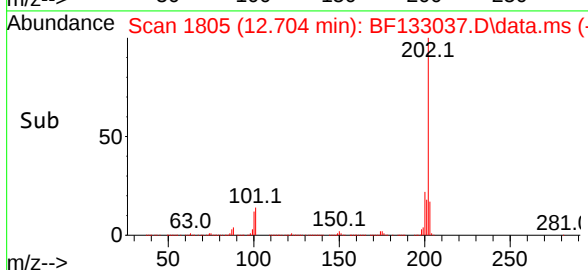
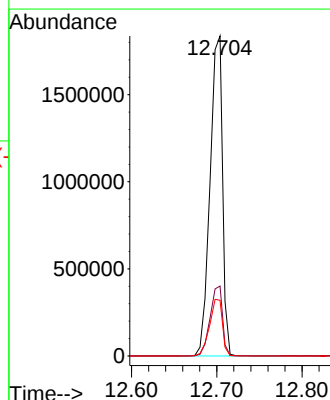
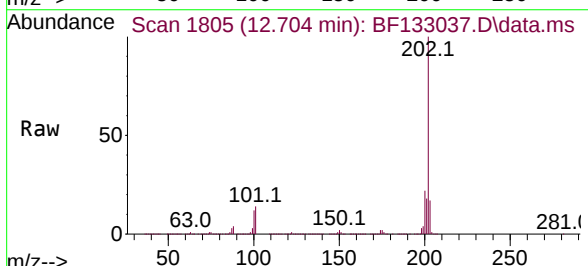
RT: 12.704 min Scan# 1805

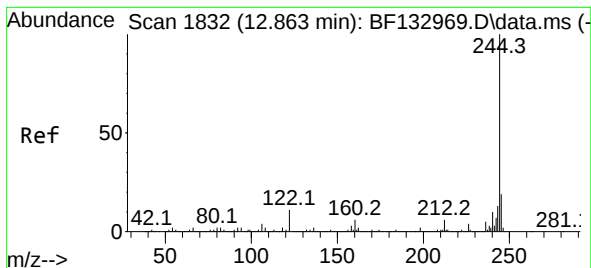
Delta R.T. 0.006 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

Tgt Ion:202 Resp: 1870645
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.1 25.7
 203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 66.993 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF133037.D

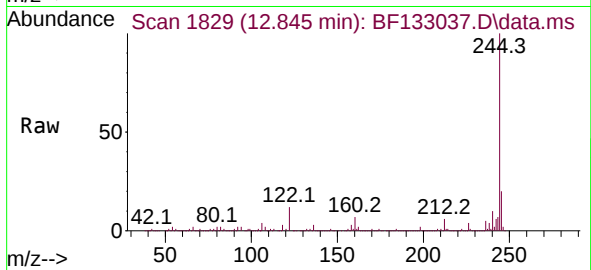
Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD



Tgt Ion:244 Resp: 173614

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

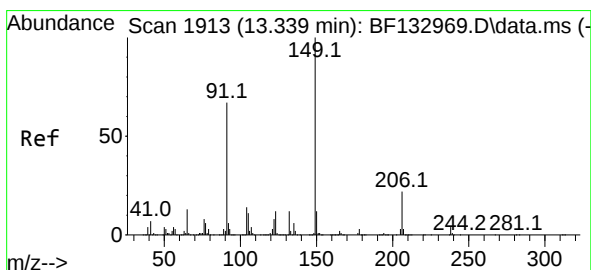
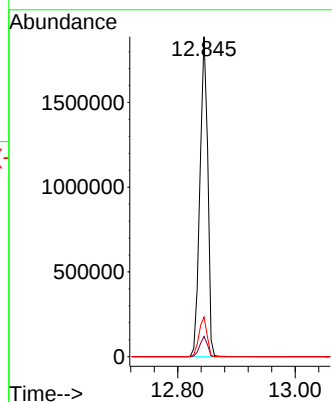
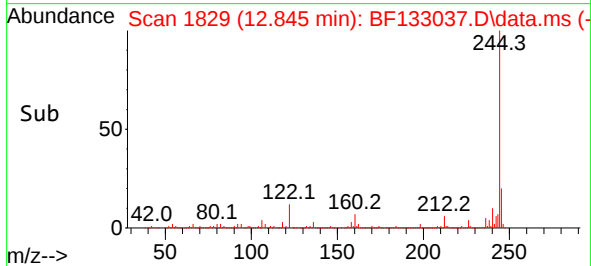
122 12.4 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#80

Butylbenzylphthalate

Concen: 56.715 ng

RT: 13.327 min Scan# 1911

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

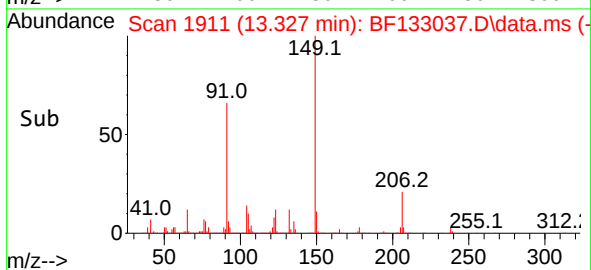
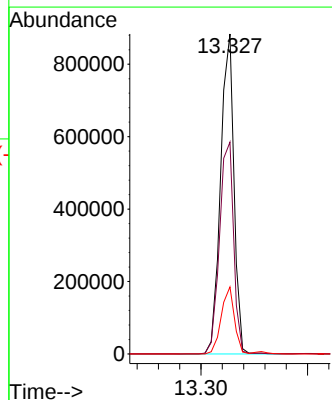
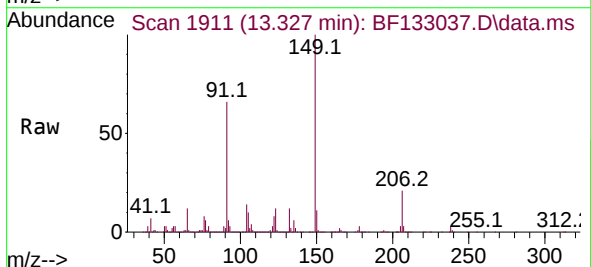
Tgt Ion:149 Resp: 769396

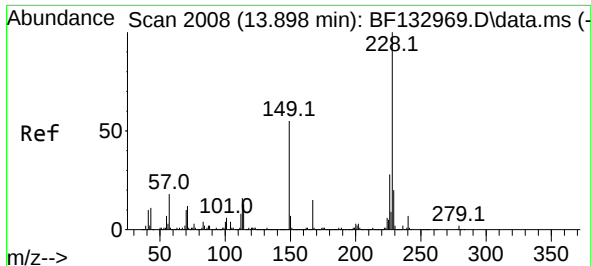
Ion Ratio Lower Upper

149 100

91 66.2 53.8 80.6

206 21.0 17.5 26.3





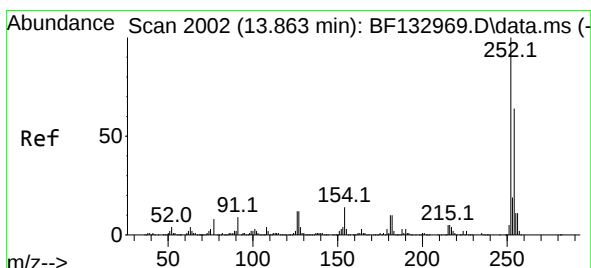
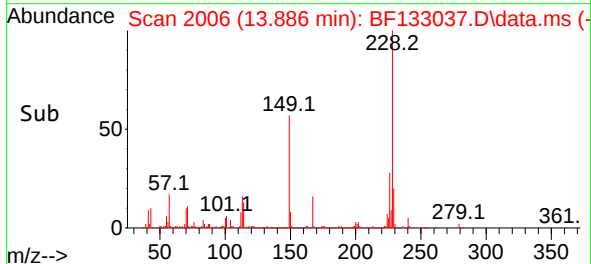
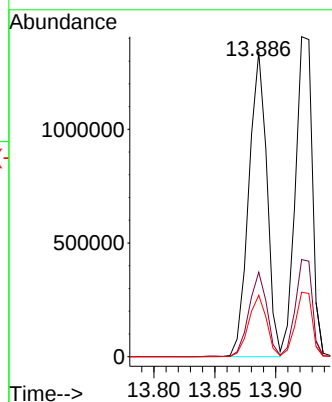
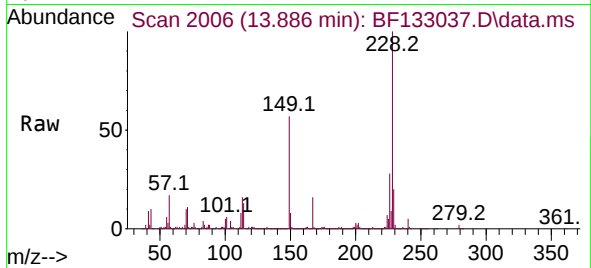
#81
Benzo(a)anthracene
Concen: 45.015 ng
RT: 13.886 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD

Tgt Ion:228 Resp: 138354
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.4
229 20.1 16.0 24.0

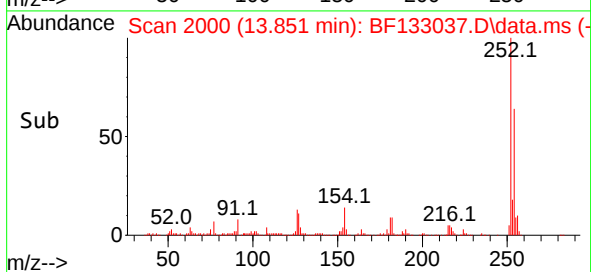
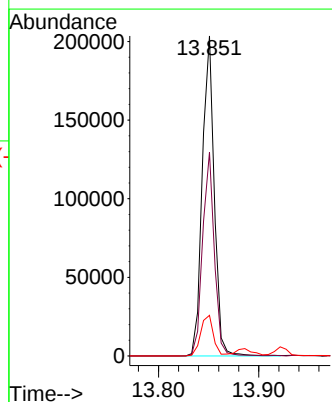
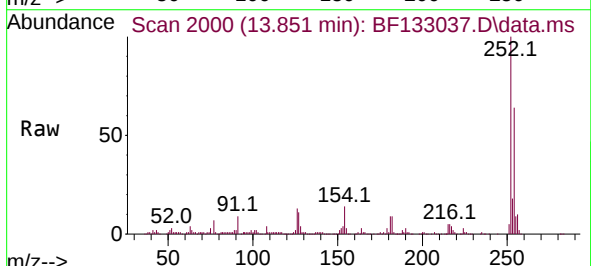
Manual Integrations
APPROVED

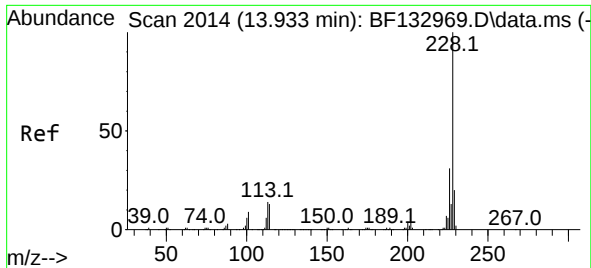
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#82
3,3'-Dichlorobenzidine
Concen: 19.973 ng
RT: 13.851 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

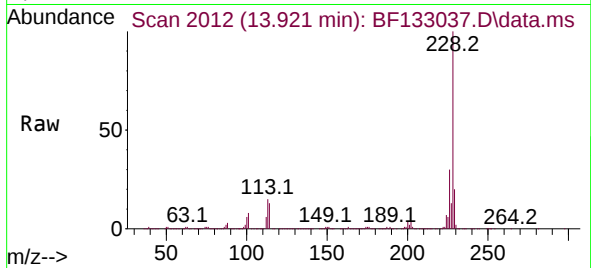
Tgt Ion:252 Resp: 169589
Ion Ratio Lower Upper
252 100
254 63.7 51.5 77.3
126 12.7 9.5 14.3





#83
Chrysene
Concen: 44.185 ng
RT: 13.921 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

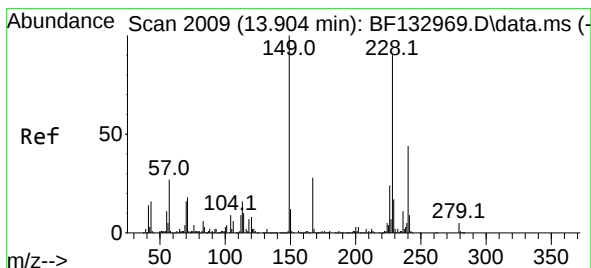
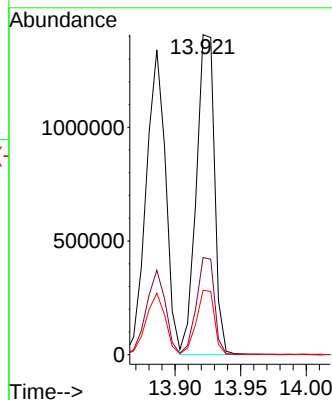
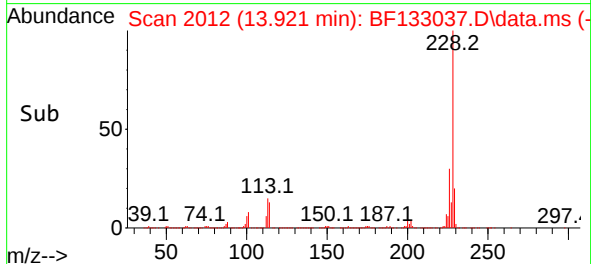
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:228 Resp: 135771
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 20.2 16.1 24.1

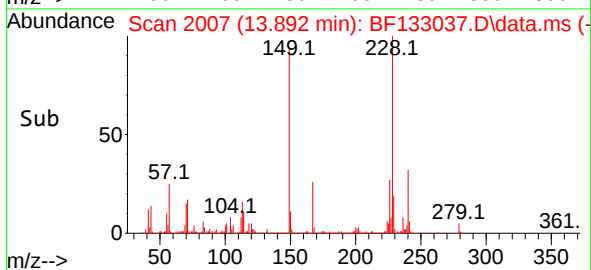
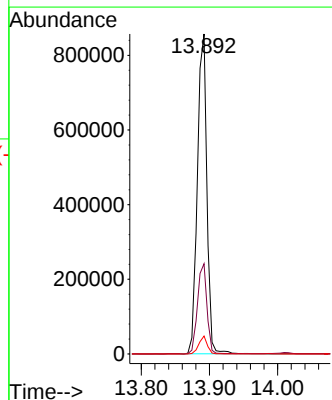
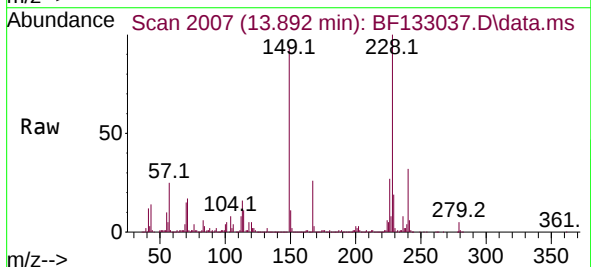
Manual Integrations
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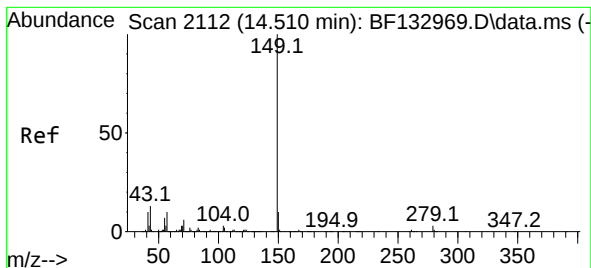
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 48.655 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

Tgt Ion:149 Resp: 828496
Ion Ratio Lower Upper
149 100
167 28.2 22.5 33.7
279 5.6 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 45.986 ng

RT: 14.498 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BF133037.D

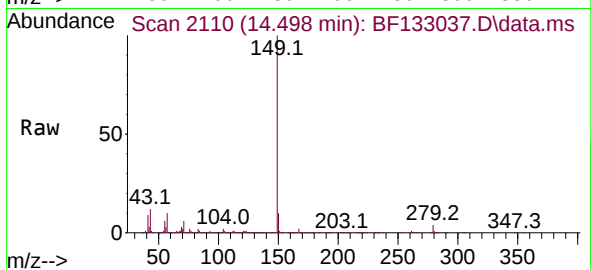
Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD



Tgt Ion:149 Resp: 1276800

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

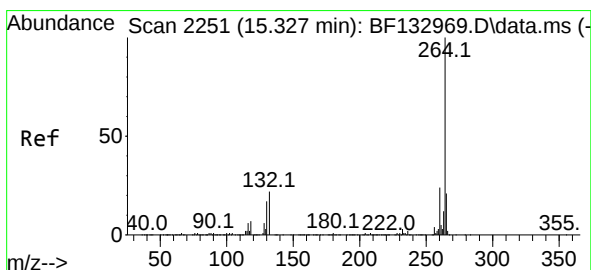
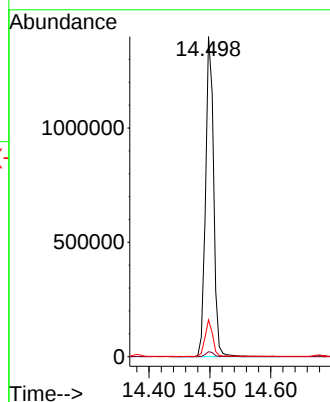
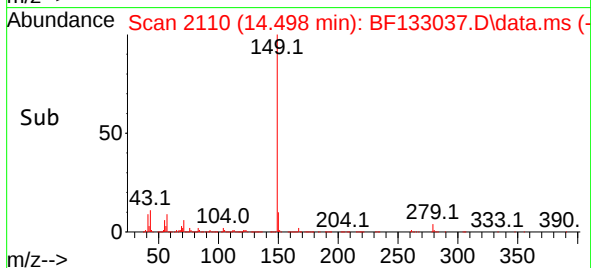
43 11.0 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.315 min Scan# 2249

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

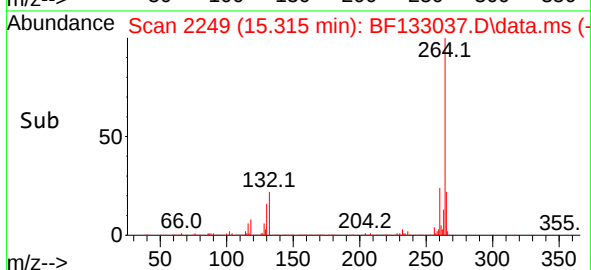
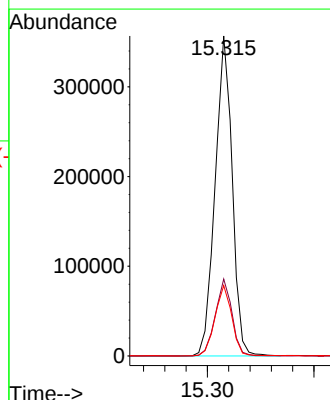
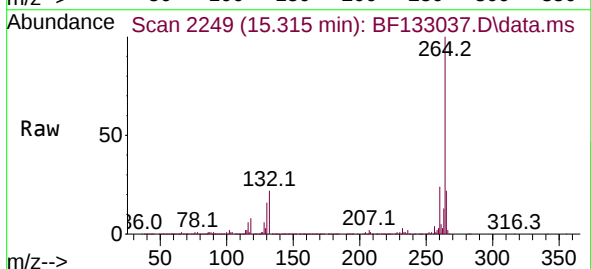
Tgt Ion:264 Resp: 395398

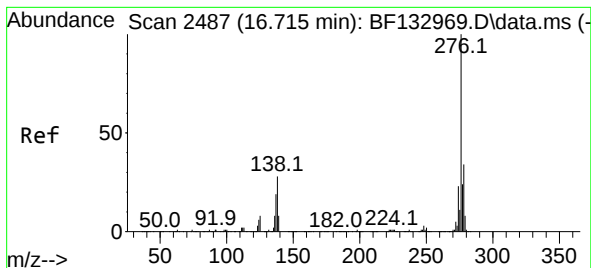
Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 22.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 62.003 ng

RT: 16.703 min Scan# 2485

Delta R.T. 0.000 min

Lab File: BF133037.D

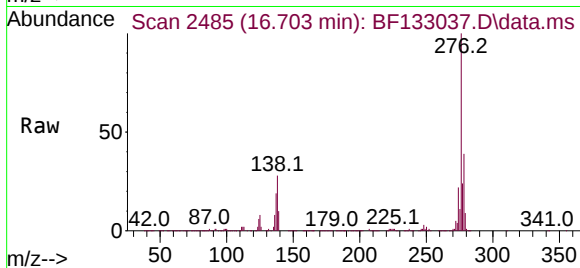
Acq: 25 Apr 2023 20:28

Instrument :

BNA_F

ClientSampleId :

E-H4(ELEV-22)MSD



Tgt Ion:276 Resp: 1394514

Ion Ratio Lower Upper

276 100

138 31.7 25.5 38.3

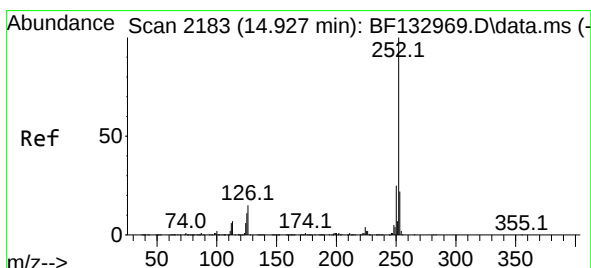
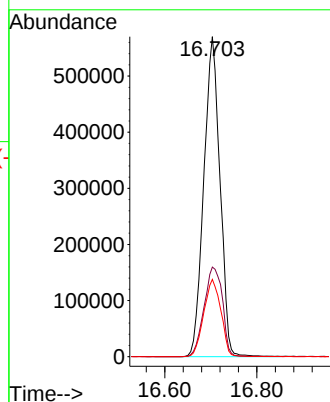
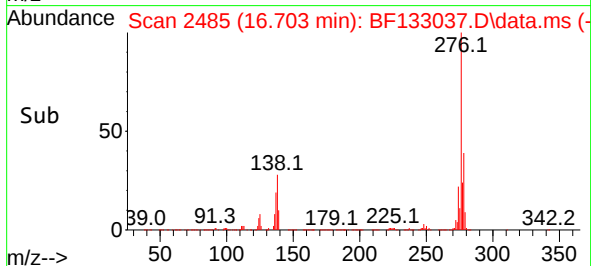
277 25.6 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#88

Benzo(b)fluoranthene

Concen: 46.908 ng

RT: 14.915 min Scan# 2181

Delta R.T. 0.000 min

Lab File: BF133037.D

Acq: 25 Apr 2023 20:28

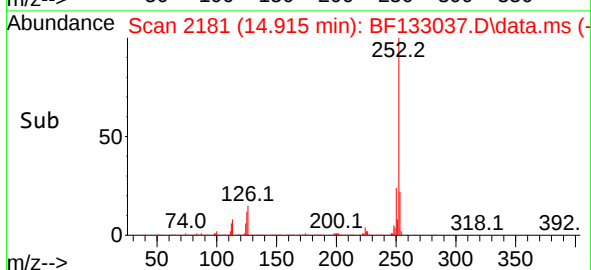
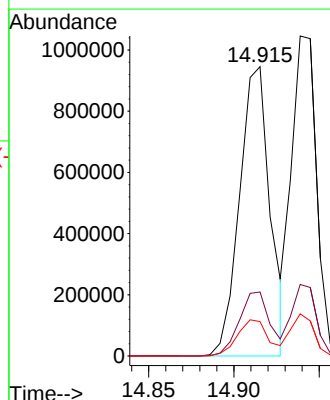
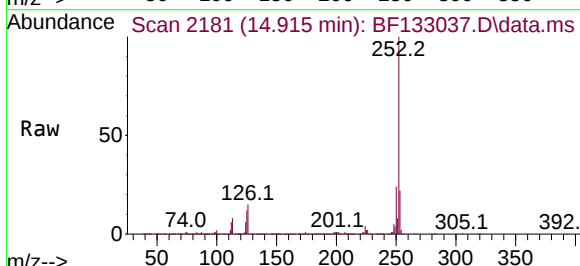
Tgt Ion:252 Resp: 1179963

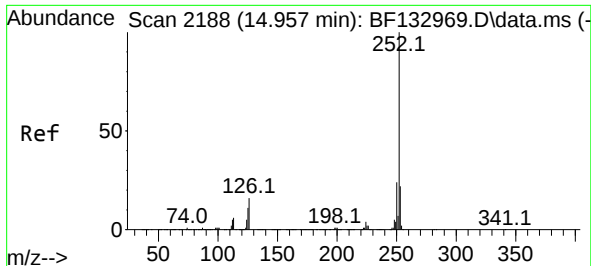
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

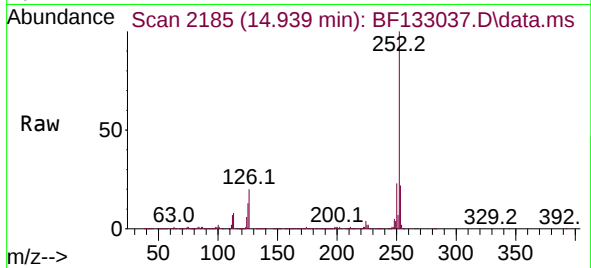
125 11.9 8.9 13.3





#89
Benzo(k)fluoranthene
Concen: 42.842 ng
RT: 14.939 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

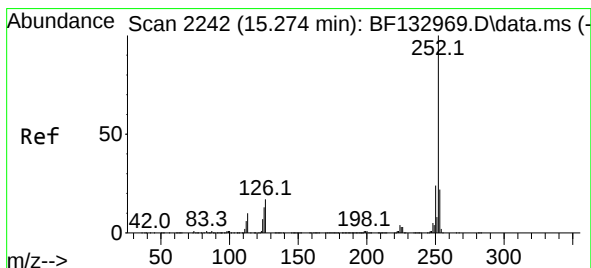
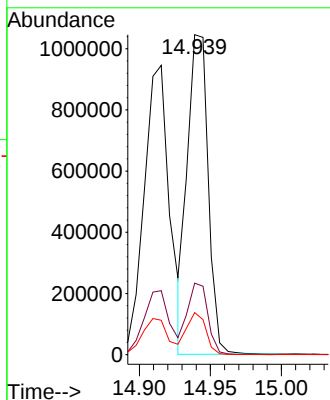
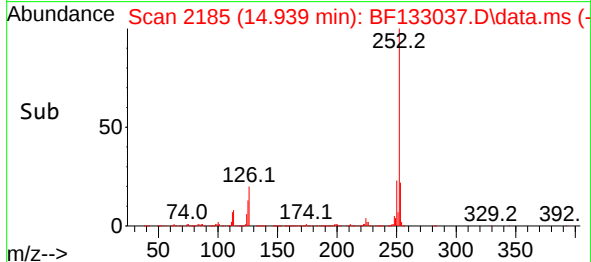
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:252 Resp: 106828
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 13.2 9.0 13.4

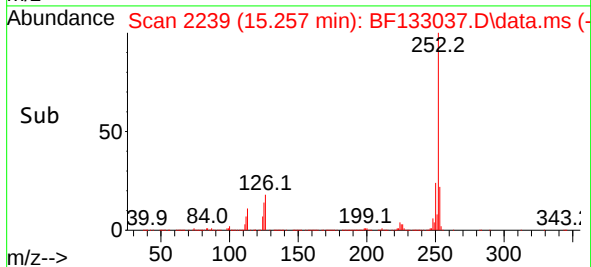
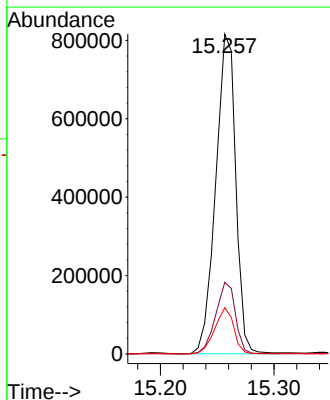
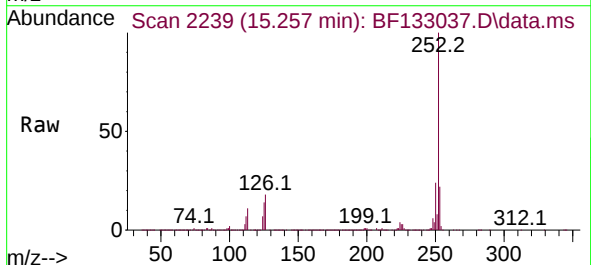
Manual Integrations
APPROVED

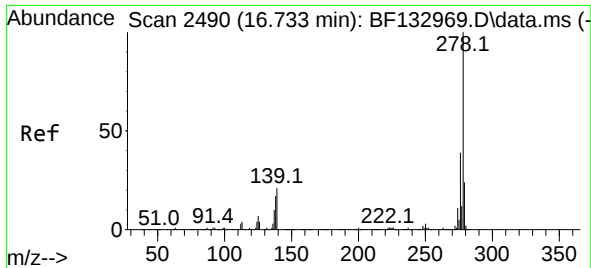
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#90
Benzo(a)pyrene
Concen: 43.746 ng
RT: 15.257 min Scan# 2239
Delta R.T. -0.006 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

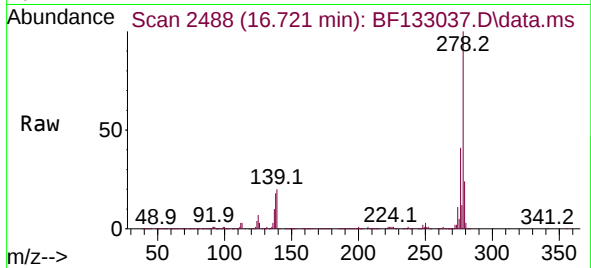
Tgt Ion:252 Resp: 1001616
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 14.4 10.5 15.7





#91
Dibenzo(a,h)anthracene
Concen: 62.194 ng
RT: 16.721 min Scan# 2490
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

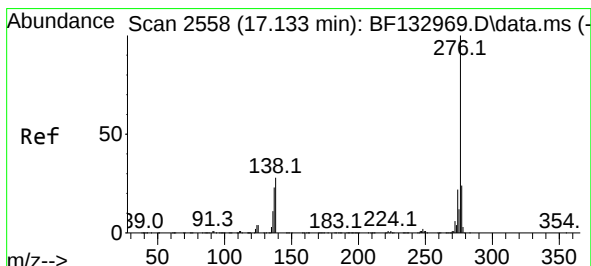
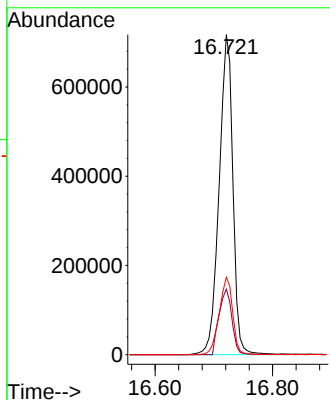
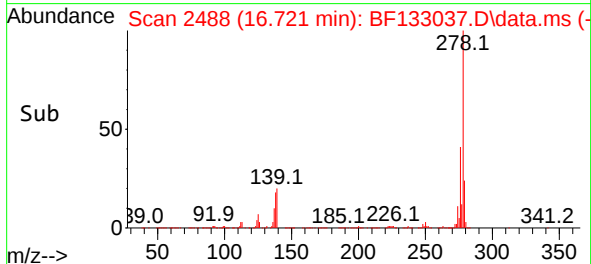
Instrument :
BNA_F
ClientSampleId :
E-H4(ELEV-22)MSD



Tgt Ion:278 Resp: 1166670
Ion Ratio Lower Upper
278 100
139 20.5 16.6 24.8
279 24.2 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#92
Benzo(g,h,i)perylene
Concen: 63.348 ng
RT: 17.121 min Scan# 2556
Delta R.T. 0.000 min
Lab File: BF133037.D
Acq: 25 Apr 2023 20:28

Tgt Ion:276 Resp: 1173185
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.0
138 26.9 22.7 34.1

