

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122322\
 Data File : BF131812.D
 Acq On : 23 Dec 2022 18:20
 Operator : CG\JU
 Sample : N6051-02MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-591MSD

Quant Time: Dec 24 03:08:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 24 00:05:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 12/24/2022
 Supervised By : Jagrut Upadhyay 12/24/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	77382	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	285663	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	163130	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	307533	20.000	ng	0.00
76) Chrysene-d12	14.062	240	183343	20.000	ng	# 0.00
86) Perylene-d12	15.556	264	172859	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	222891	48.503	ng	0.00
7) Phenol-d6	6.475	99	201153	32.521	ng	-0.01
23) Nitrobenzene-d5	7.422	82	565742	80.399	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	184534	103.350	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	967395	83.072	ng	0.00
79) Terphenyl-d14	12.992	244	524958	44.625	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.581	88	30674	14.284	ng	97
3) Pyridine	3.351	79	28066	4.583	ng	95
4) n-Nitrosodimethylamine	3.275	42	42745	15.429	ng	87
6) Aniline	6.510	93	45909	6.012	ng	97
8) 2-Chlorophenol	6.633	128	130440	26.427	ng	96
9) Benzaldehyde	6.398	77	184223	52.400	ng	95
10) Phenol	6.492	94	78356	10.610	ng	92
11) bis(2-Chloroethyl)ether	6.581	93	216356	40.940	ng	99
12) 1,3-Dichlorobenzene	6.786	146	231458	41.484	ng	98
13) 1,4-Dichlorobenzene	6.863	146	231002	40.504	ng	97
14) 1,2-Dichlorobenzene	7.016	146	225858	42.297	ng	100
15) Benzyl Alcohol	6.992	79	107202	19.405	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.128	45	299853	44.498	ng	97
17) 2-Methylphenol	7.110	107	95020	20.392	ng	95
18) Hexachloroethane	7.363	117	93606	41.404	ng	97
19) n-Nitroso-di-n-propyla...	7.263	70	188990	42.366	ng	96
20) 3+4-Methylphenols	7.263	107	76878	12.819	ng	# 1
22) Acetophenone	7.263	105	353531	42.408	ng	96
24) Nitrobenzene	7.439	77	290116	40.555	ng	98
25) Isophorone	7.675	82	514998	43.096	ng	98
26) 2-Nitrophenol	7.757	139	90707	32.445	ng	96
27) 2,4-Dimethylphenol	7.798	122	134910	33.881	ng	97
28) bis(2-Chloroethoxy)met...	7.886	93	283297	44.643	ng	100
29) 2,4-Dichlorophenol	8.004	162	141342	29.403	ng	97
30) 1,2,4-Trichlorobenzene	8.080	180	228185	40.378	ng	98
31) Naphthalene	8.163	128	638176	40.906	ng	100
32) Benzoic acid	7.916	122	24208	7.595	ng	95
33) 4-Chloroaniline	8.210	127	60137	9.884	ng	98
34) Hexachlorobutadiene	8.275	225	143152	37.651	ng	98
35) Caprolactam	8.586	113	8702	6.004	ng	98
36) 4-Chloro-3-methylphenol	8.698	107	147957	26.944	ng	98
37) 2-Methylnaphthalene	8.857	142	427403	40.163	ng	100
38) 1-Methylnaphthalene	8.957	142	405539	39.347	ng	99
40) 1,2,4,5-Tetrachloroben...	9.027	216	235344	42.168	ng	99
41) Hexachlorocyclopentadiene	9.010	237	221404	87.561	ng	99
43) 2,4,6-Trichlorophenol	9.139	196	119218	32.700	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	127050	32.190	ng	95
46) 1,1'-Biphenyl	9.327	154	541652	44.143	ng	99
47) 2-Chloronaphthalene	9.351	162	434753	43.269	ng	99
48) 2-Nitroaniline	9.451	65	141427	39.052	ng	92
49) Acenaphthylene	9.769	152	648061	43.002	ng	100
50) Dimethylphthalate	9.633	163	610278	49.718	ng	100
51) 2,6-Dinitrotoluene	9.698	165	114904	43.535	ng	98
52) Acenaphthene	9.945	154	392090	42.471	ng	99
53) 3-Nitroaniline	9.869	138	50523	18.708	ng	92
54) 2,4-Dinitrophenol	9.974	184	95147	60.164	ng	90
55) Dibenzofuran	10.116	168	605985	42.806	ng	99
56) 4-Nitrophenol	10.033	139	43447	22.478	ng	95
57) 2,4-Dinitrotoluene	10.104	165	152394	42.969	ng	98
58) Fluorene	10.463	166	479306	41.876	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	111523m	33.846	ng	
60) Diethylphthalate	10.333	149	512613	43.341	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	254190	41.785	ng	100
62) 4-Nitroaniline	10.486	138	77760	28.609	ng	93
63) Azobenzene	10.616	77	552072	42.506	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	69049	32.703	ng	81
66) n-Nitrosodiphenylamine	10.574	169	404796	42.445	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	151969	41.840	ng	97
68) Hexachlorobenzene	11.010	284	155149	38.838	ng	# 91
69) Atrazine	11.104	200	135261	42.548	ng	98
70) Pentachlorophenol	11.210	266	144990	68.385	ng	99
71) Phenanthrene	11.427	178	684776	40.835	ng	99
72) Anthracene	11.480	178	682623	41.574	ng	99
73) Carbazole	11.639	167	613786	43.207	ng	99
74) Di-n-butylphthalate	11.968	149	742201	41.959	ng	99
75) Fluoranthene	12.621	202	705166	37.758	ng	97
77) Benzidine	12.751	184	7526	2.239	ng	96
78) Pyrene	12.857	202	704191	42.245	ng	99
80) Butylbenzylphthalate	13.474	149	270159	45.952	ng	98
81) Benzo(a)anthracene	14.051	228	501481	37.978	ng	100
82) 3,3'-Dichlorobenzidine	14.015	252	130232	35.326	ng	# 98
83) Chrysene	14.086	228	468060	37.556	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	329941	47.064	ng	97
85) Di-n-octyl phthalate	14.657	149	483742	49.432	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	495561	42.682	ng	99
88) Benzo(b)fluoranthene	15.115	252	441036	36.063	ng	98
89) Benzo(k)fluoranthene	15.151	252	399110	33.445	ng	99
90) Benzo(a)pyrene	15.492	252	357311	36.885	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	420954	43.872	ng	99
92) Benzo(g,h,i)perylene	17.533	276	414522	43.709	ng	97

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

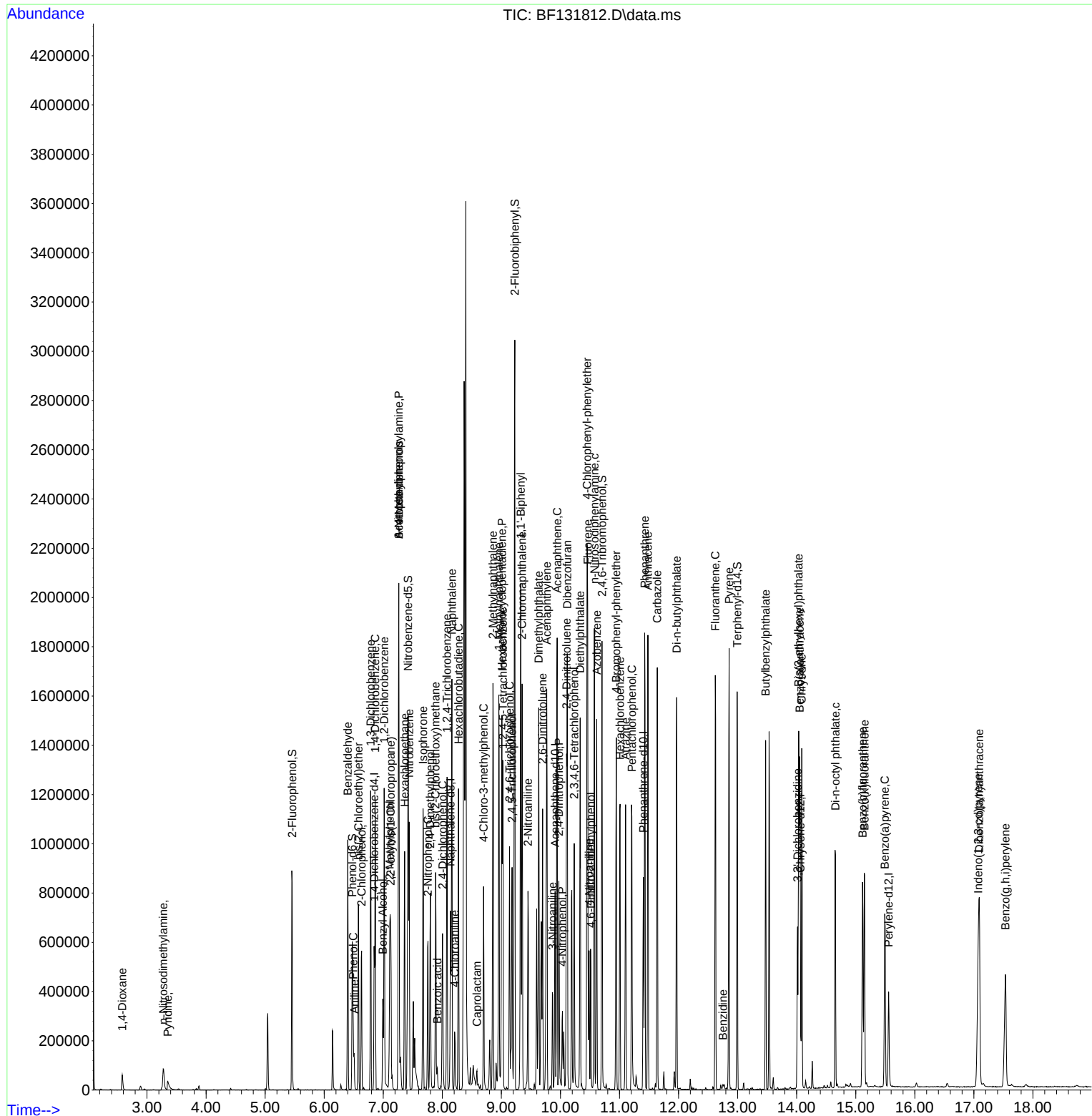
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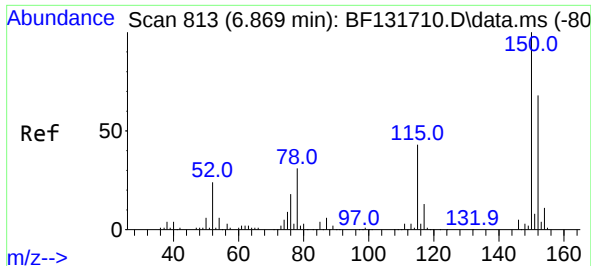
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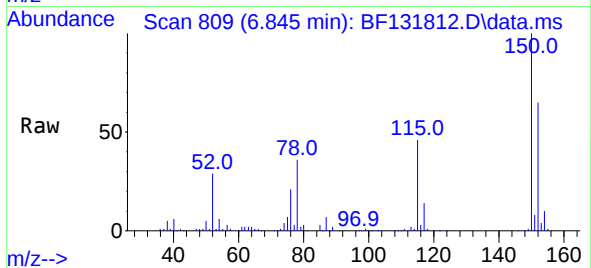
Reviewed By : Christian Giraldo 12/24/2022
 Supervised By : Jagrut Upadhyay 12/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

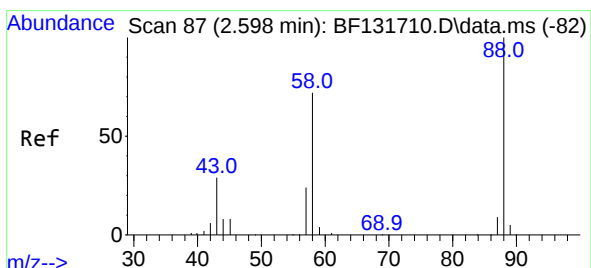
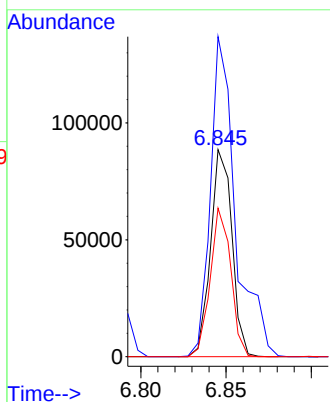
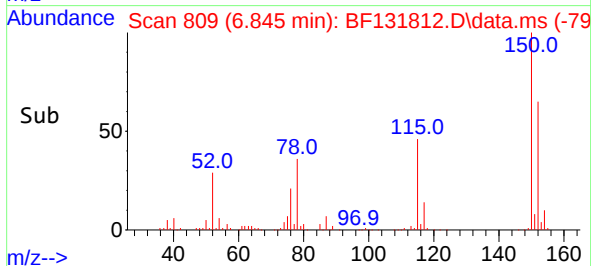
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ClientSampleId :
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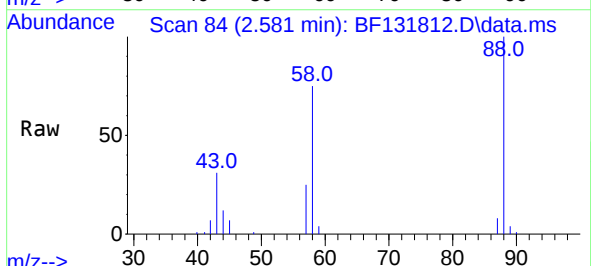
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Ion Ratio Lower Upper
152 100
150 154.6 117.4 176.0
115 71.7 50.2 75.4

Manual Integrations
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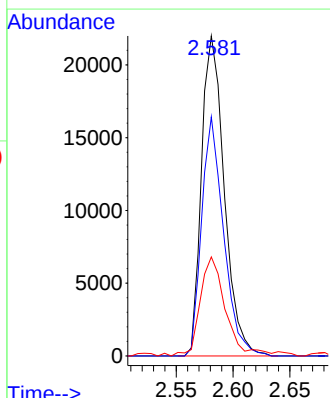
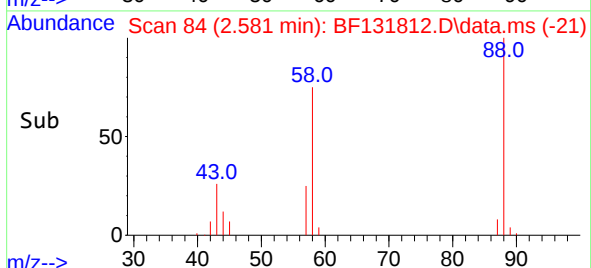
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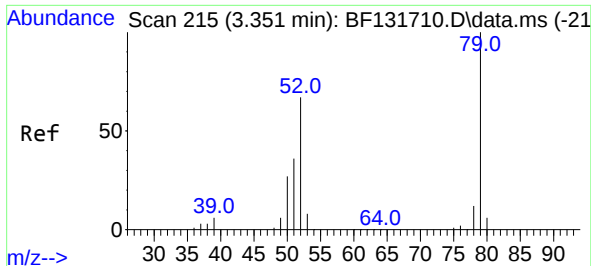


#2
1,4-Dioxane
Concen: 14.284 ng
RT: 2.581 min Scan# 84
Delta R.T. 0.018 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



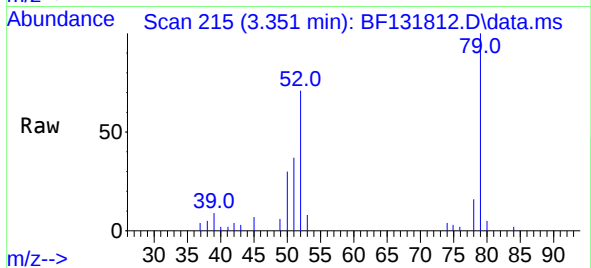
Tgt Ion: 88 Resp: 30674
Ion Ratio Lower Upper
88 100
58 72.0 57.5 86.3
43 34.3 23.3 34.9





#3
Pyridine
Concen: 4.583 ng
RT: 3.351 min Scan# 215
Delta R.T. 0.035 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

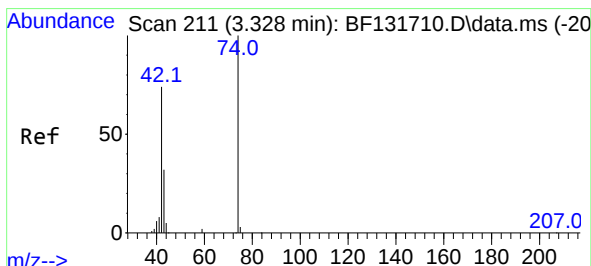
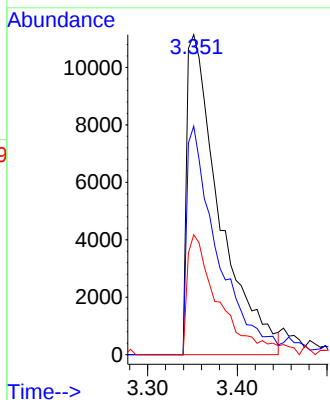
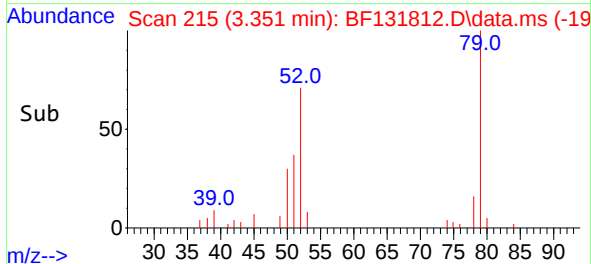
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ClientSampleId :
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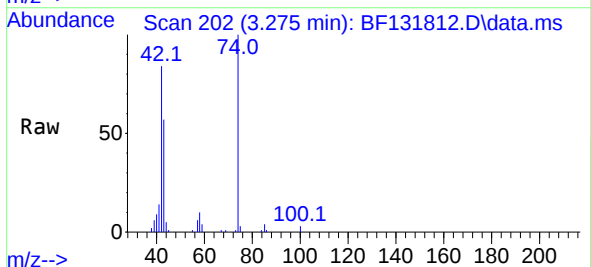
Tgt Ion: 79 Resp: 2806
Ion Ratio Lower Upper
79 100
52 71.4 53.7 80.5
51 37.5 28.6 42.8

Manual Integrations
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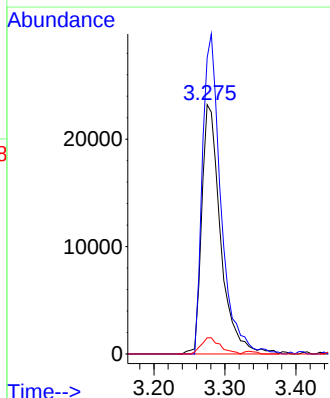
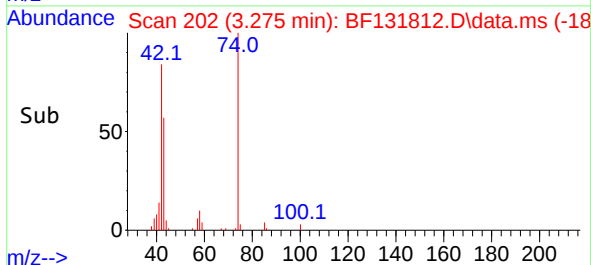
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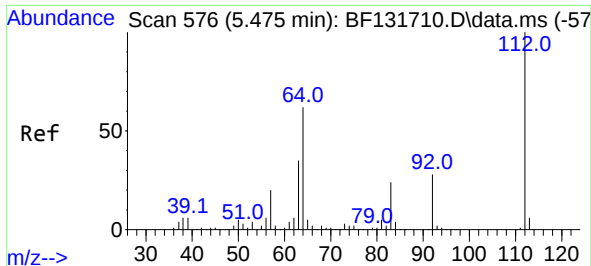


#4
n-Nitrosodimethylamine
Concen: 15.429 ng
RT: 3.275 min Scan# 202
Delta R.T. -0.018 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



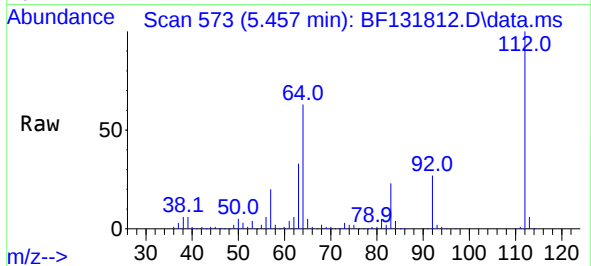
Tgt Ion: 42 Resp: 42745
Ion Ratio Lower Upper
42 100
74 118.8 107.8 161.8
44 6.5 5.5 8.3





#5
2-Fluorophenol
Concen: 48.503 ng
RT: 5.457 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

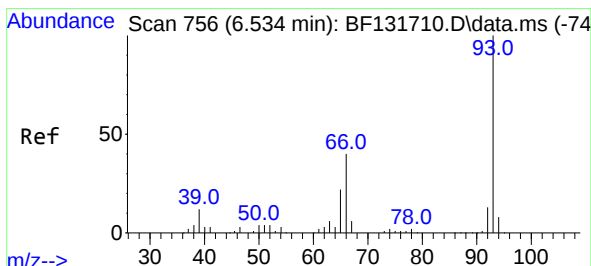
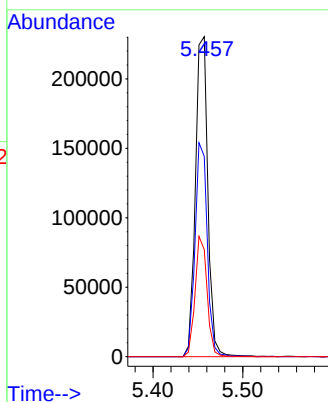
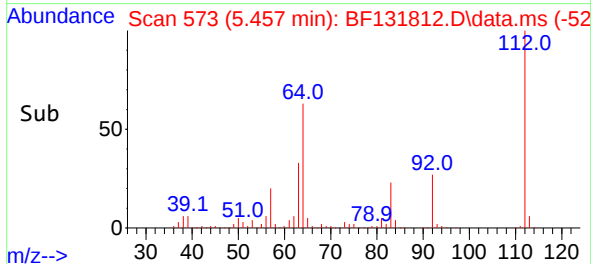
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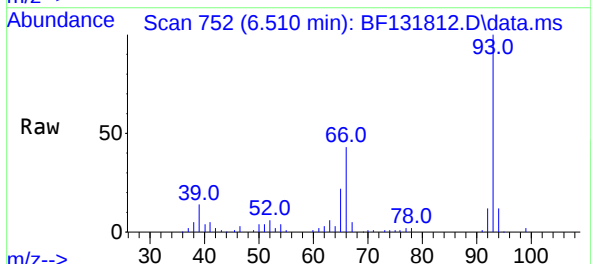
Tgt Ion:112 Resp: 22289
Ion Ratio Lower Upper
112 100
64 62.5 49.5 74.3
63 33.4 28.2 42.2

Manual Integrations
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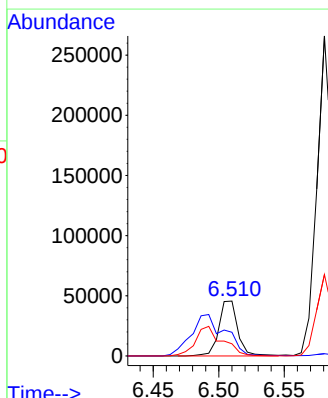
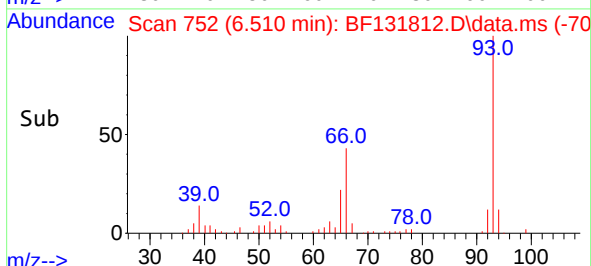
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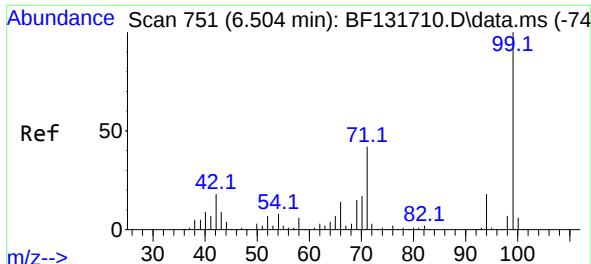


#6
Aniline
Concen: 6.012 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion: 93 Resp: 45909
Ion Ratio Lower Upper
93 100
66 43.2 32.8 49.2
65 22.2 17.4 26.2





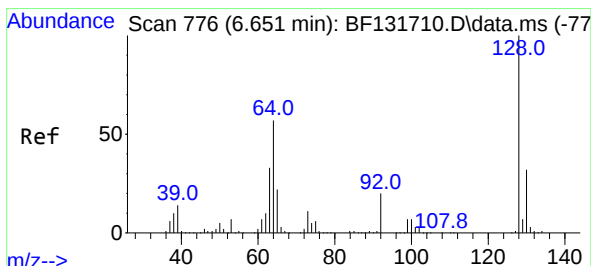
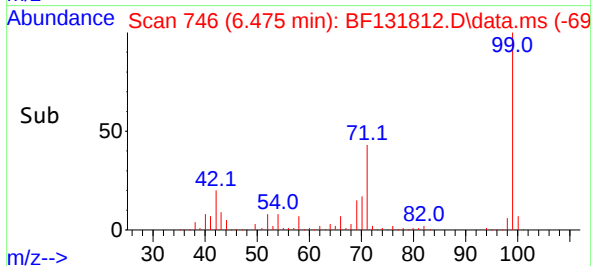
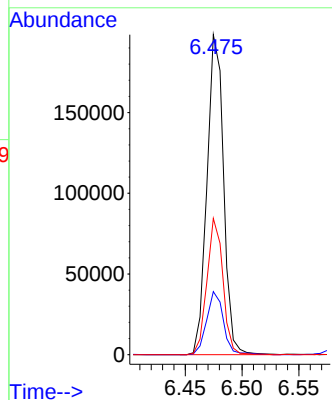
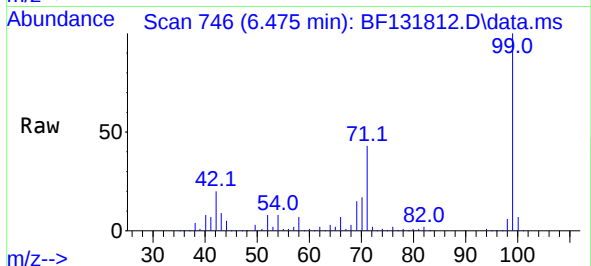
#7
Phenol-d6
Concen: 32.521 ng
RT: 6.475 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :
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ClientSampleId :
SP-591MSD

Tgt Ion: 99 Resp: 20115
Ion Ratio Lower Upper
99 100
42 19.7 14.8 22.2
71 42.6 33.8 50.6

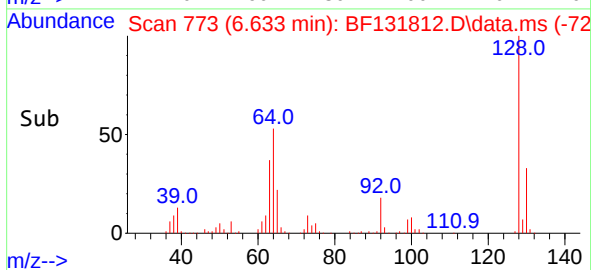
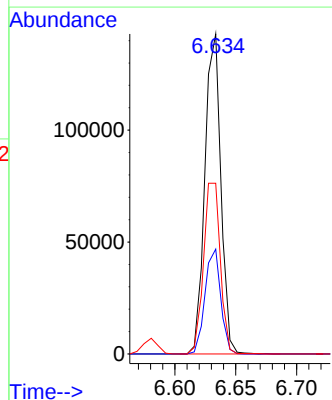
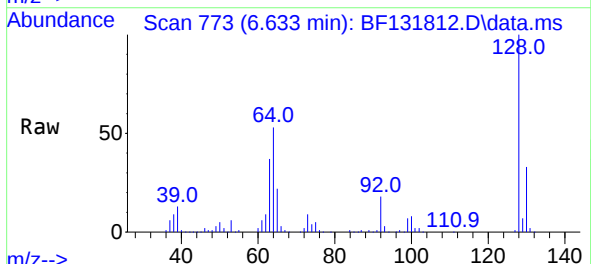
Manual Integrations
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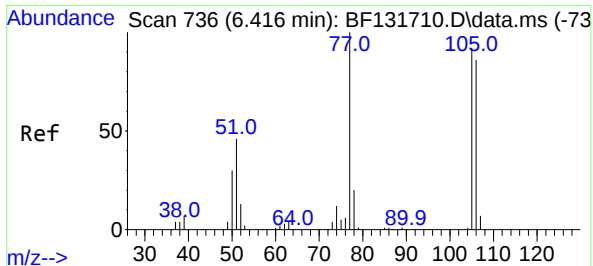
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#8
2-Chlorophenol
Concen: 26.427 ng
RT: 6.633 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Tgt Ion:128 Resp: 130440
Ion Ratio Lower Upper
128 100
130 32.7 12.0 52.0
64 53.4 37.7 77.7





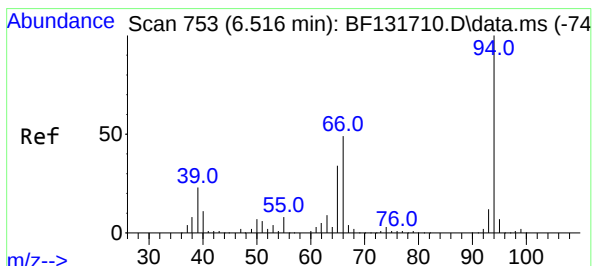
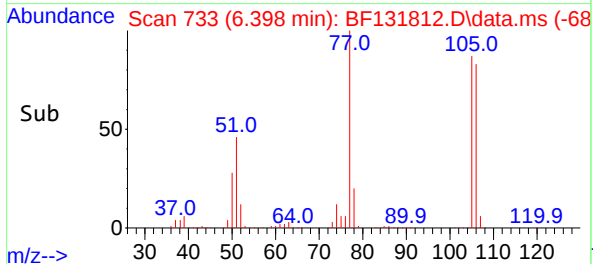
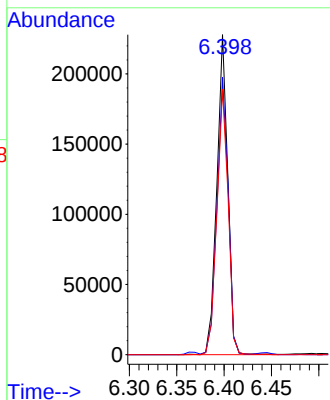
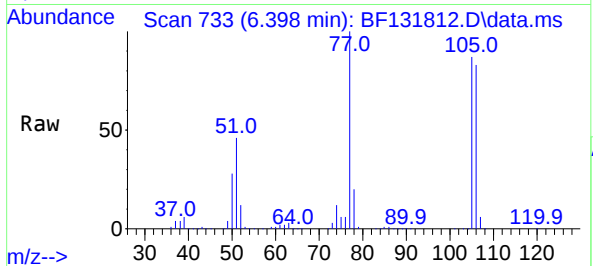
#9
Benzaldehyde
Concen: 52.400 ng
RT: 6.398 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF131812.D
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Tgt Ion: 77 Resp: 18422
Ion Ratio Lower Upper
77 100
105 86.7 72.4 112.4
106 82.9 66.5 106.5

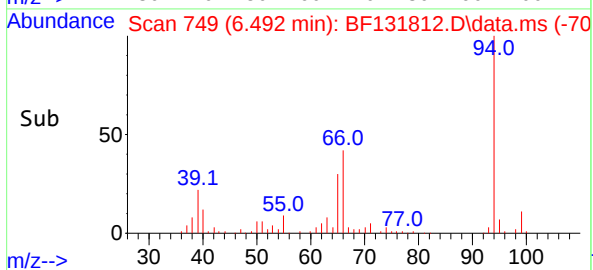
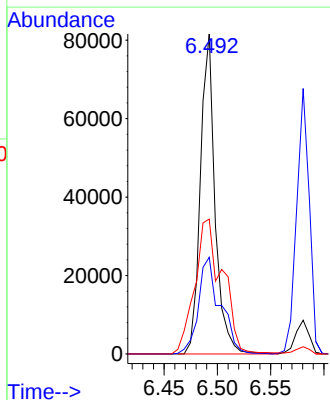
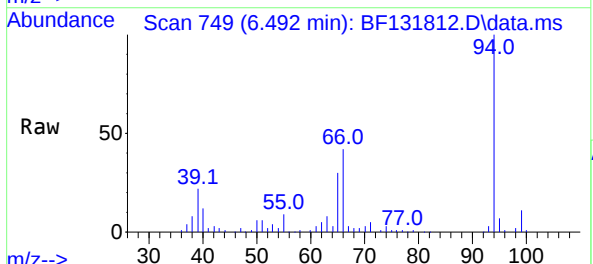
Manual Integrations
APPROVED

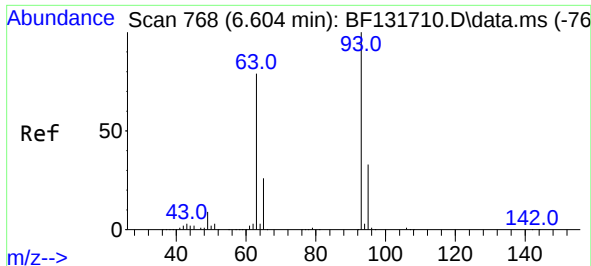
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#10
Phenol
Concen: 10.610 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

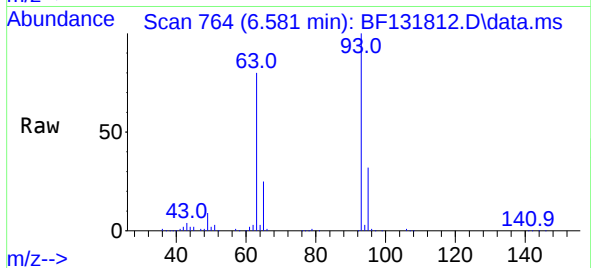
Tgt Ion: 94 Resp: 78356
Ion Ratio Lower Upper
94 100
65 30.2 14.0 54.0
66 42.1 28.8 68.8





#11
bis(2-Chloroethyl)ether
Concen: 40.940 ng
RT: 6.581 min Scan# 701
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

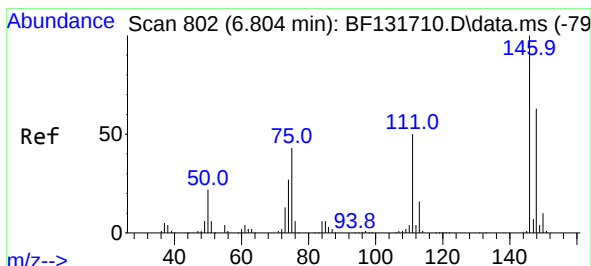
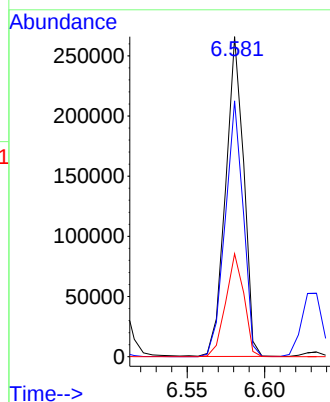
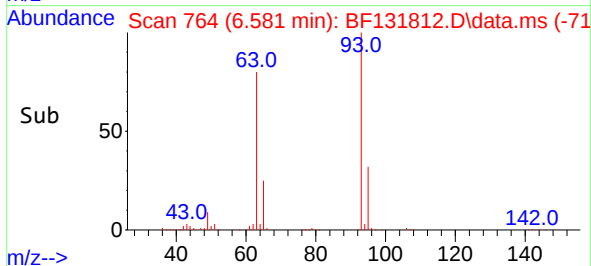
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



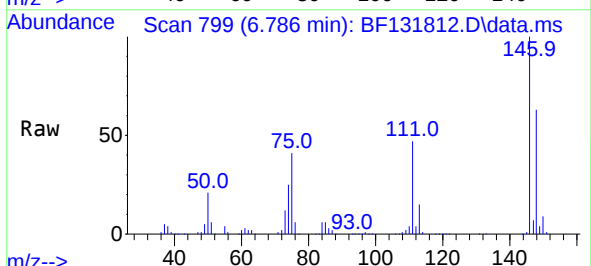
Tgt Ion: 93 Resp: 216350
Ion Ratio Lower Upper
93 100
63 80.0 59.0 99.0
95 32.1 12.6 52.6

Manual Integrations
APPROVED

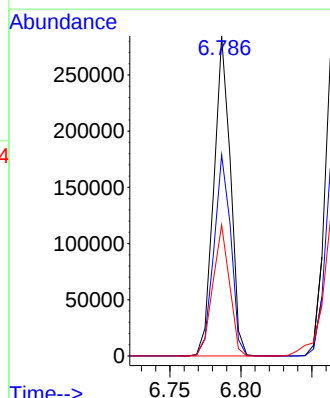
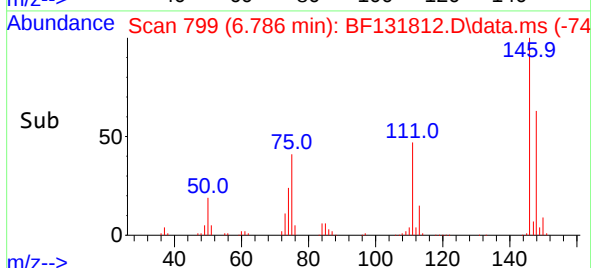
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

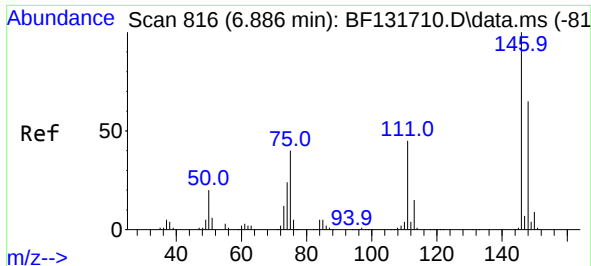


#12
1,3-Dichlorobenzene
Concen: 41.484 ng
RT: 6.786 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:146 Resp: 231458
Ion Ratio Lower Upper
146 100
148 62.9 50.6 76.0
75 40.9 34.3 51.5





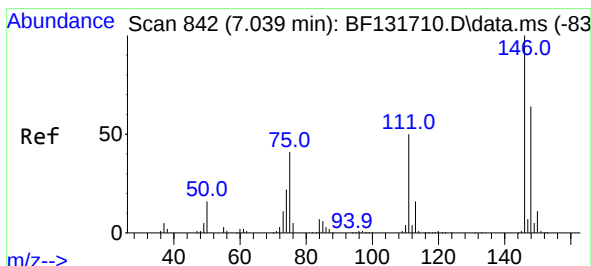
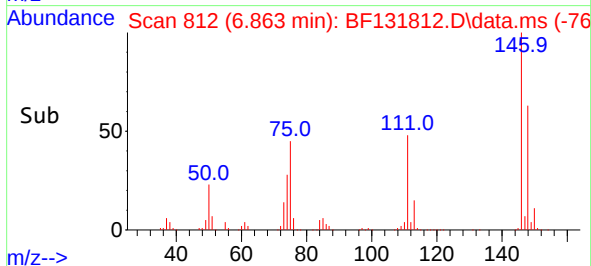
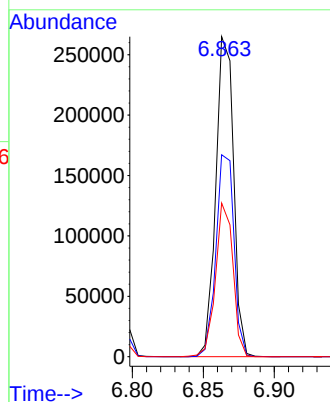
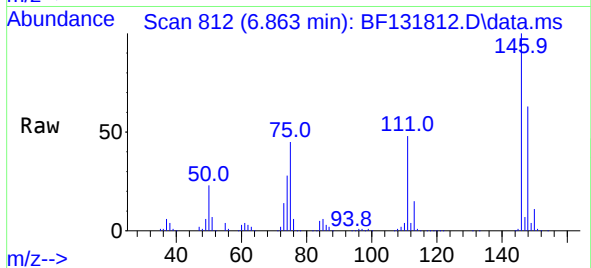
#13
1,4-Dichlorobenzene
Concen: 40.504 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :
BNA_F
ClientSampleId :
SP-591MSD

Tgt Ion:146 Resp: 231002
Ion Ratio Lower Upper
146 100
148 63.1 52.2 78.4
111 48.0 36.4 54.6

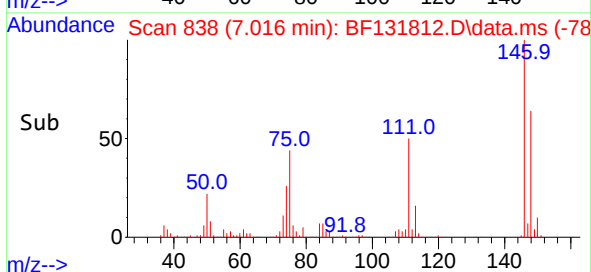
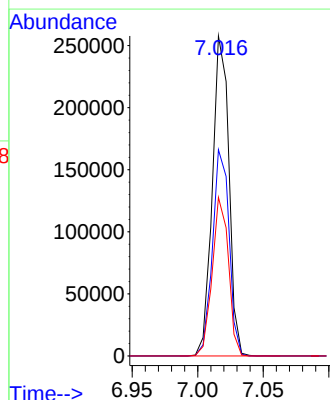
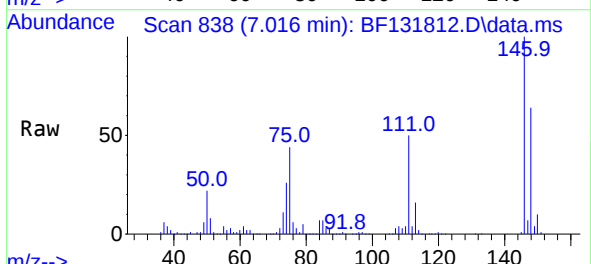
Manual Integrations
APPROVED

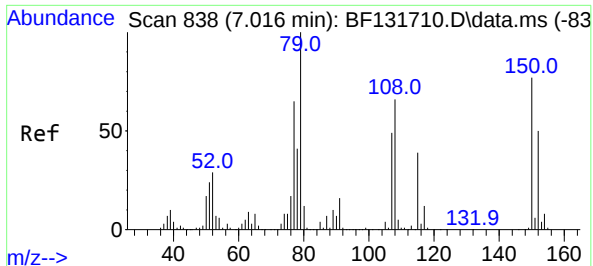
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#14
1,2-Dichlorobenzene
Concen: 42.297 ng
RT: 7.016 min Scan# 838
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

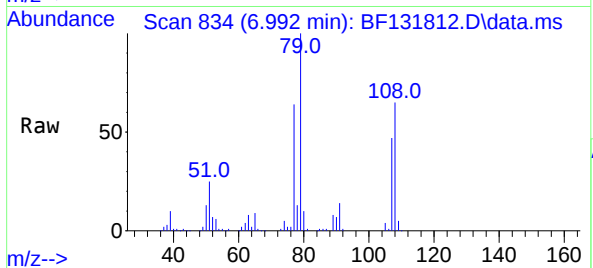
Tgt Ion:146 Resp: 225858
Ion Ratio Lower Upper
146 100
148 64.5 51.4 77.0
111 49.5 39.8 59.6





#15
Benzyl Alcohol
Concen: 19.405 ng
RT: 6.992 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

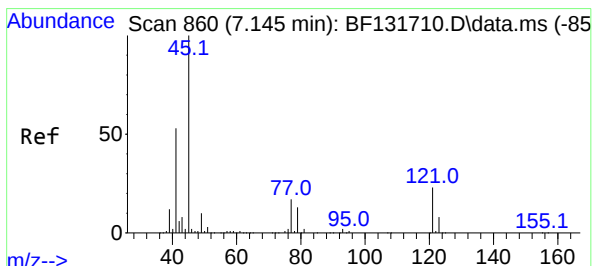
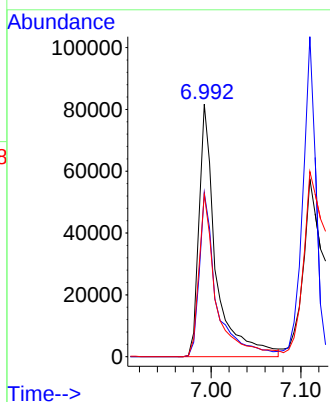
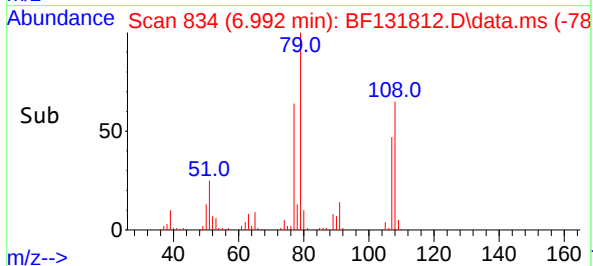
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



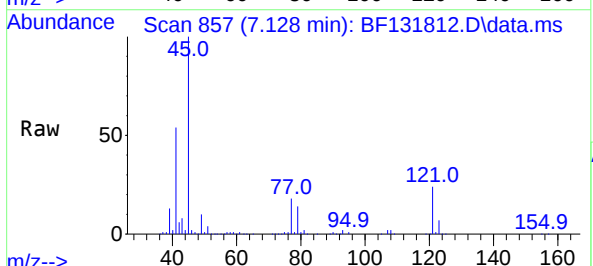
Tgt Ion: 79 Resp: 10720
Ion Ratio Lower Upper
79 100
108 64.9 52.6 78.8
77 64.4 51.7 77.5

Manual Integrations
APPROVED

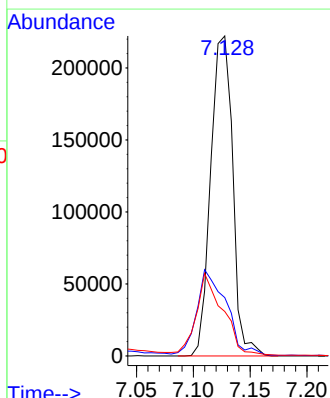
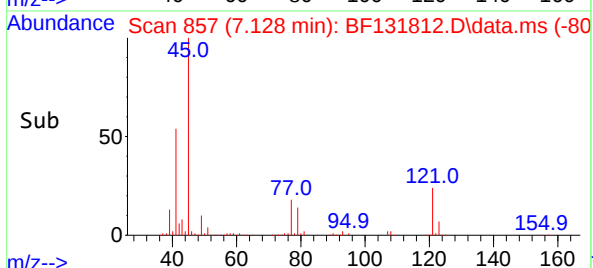
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

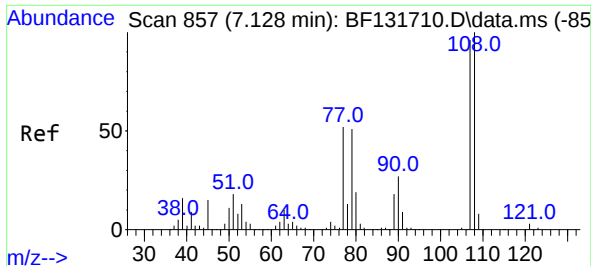


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.498 ng
RT: 7.128 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion: 45 Resp: 299853
Ion Ratio Lower Upper
45 100
77 18.2 0.0 36.8
79 13.9 0.0 33.1





#17
2-Methylphenol
Concen: 20.392 ng
RT: 7.110 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

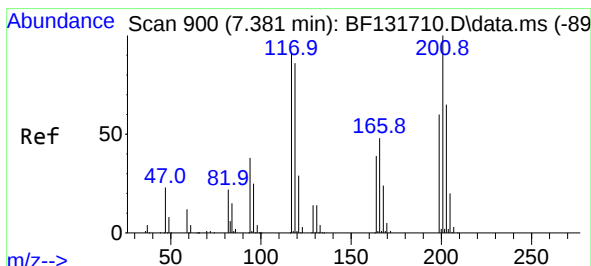
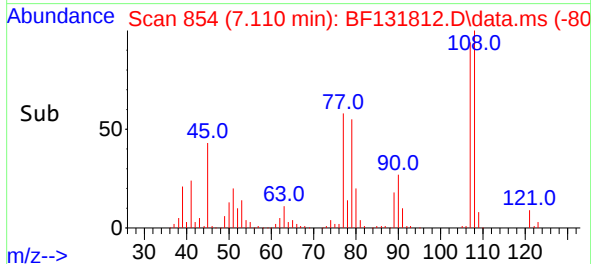
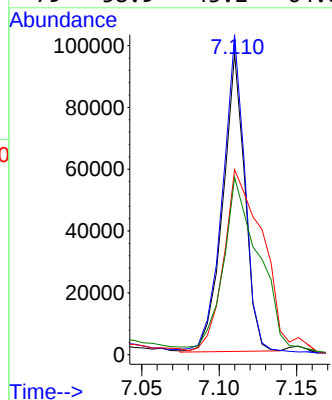
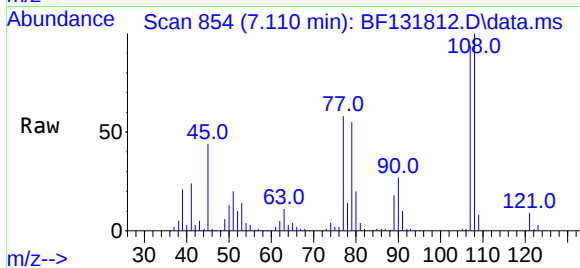
SP-591MSD

Tgt Ion:107 Resp: 95020
Ion Ratio Lower Upper
107 100
108 106.2 83.8 125.6
77 61.4 43.8 65.8
79 58.9 43.2 64.8

Manual Integrations

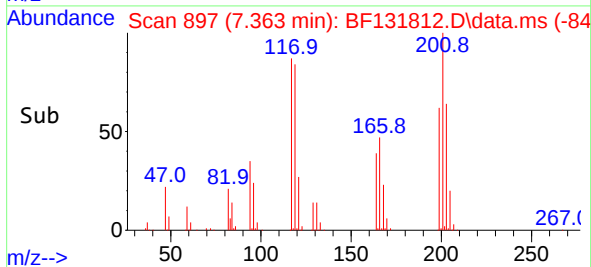
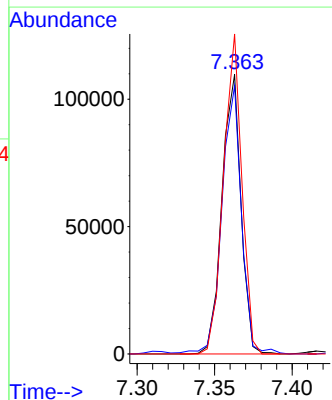
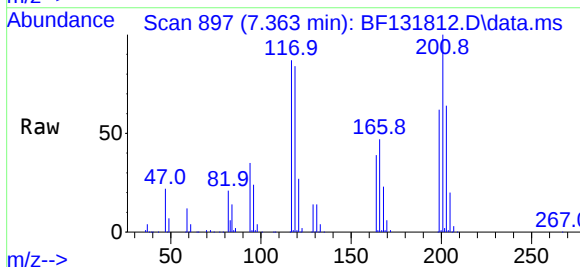
APPROVED

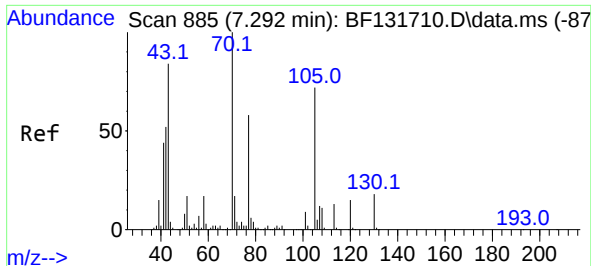
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#18
Hexachloroethane
Concen: 41.404 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Tgt Ion:117 Resp: 93606
Ion Ratio Lower Upper
117 100
119 95.9 75.8 113.8
201 114.5 88.2 132.4





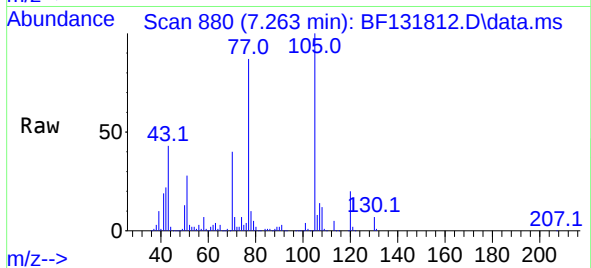
#19
n-Nitroso-di-n-propylamine
Concen: 42.366 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

SP-591MSD

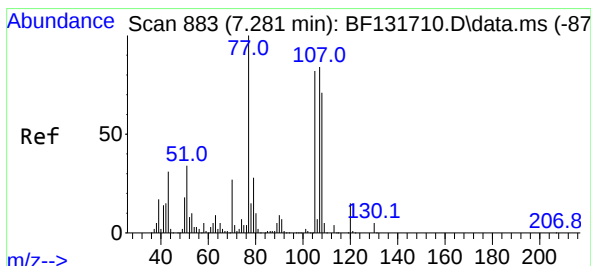
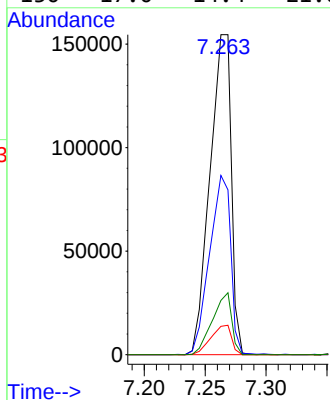
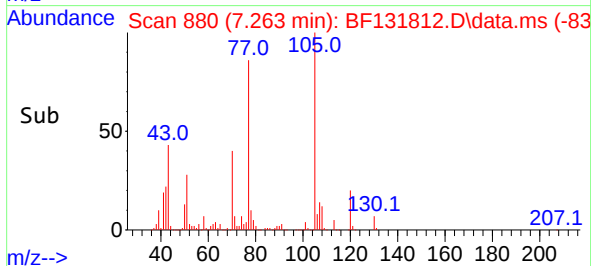


Tgt Ion: 70 Resp: 188990
Ion Ratio Lower Upper
70 100
42 56.0 41.5 62.3
101 8.8 7.3 10.9
130 17.0 14.4 21.6

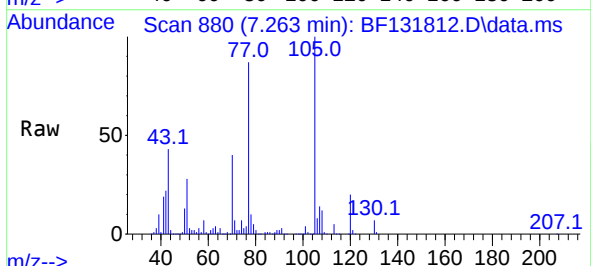
Manual Integrations

APPROVED

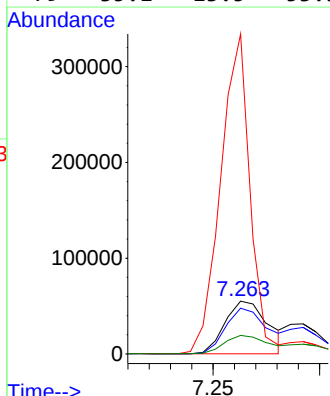
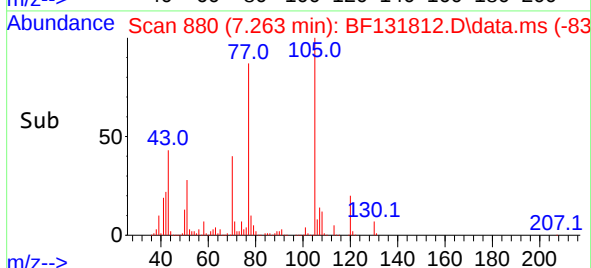
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

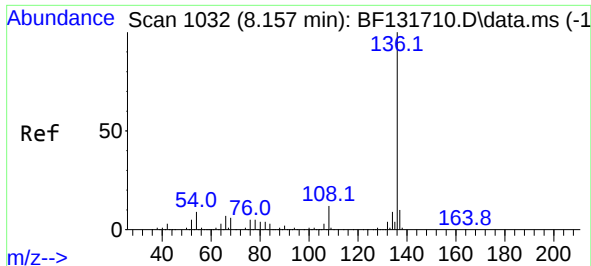


#20
3+4-Methylphenols
Concen: 12.819 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:107 Resp: 76878
Ion Ratio Lower Upper
107 100
108 86.9 65.2 105.2
77 606.2 99.6 139.6#
79 35.1 13.5 53.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

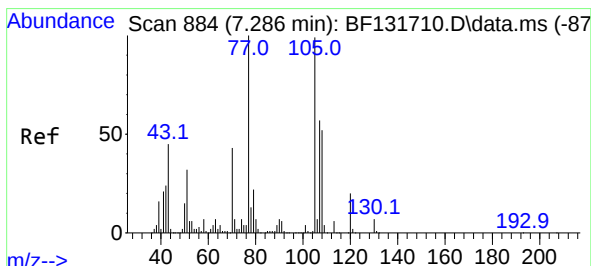
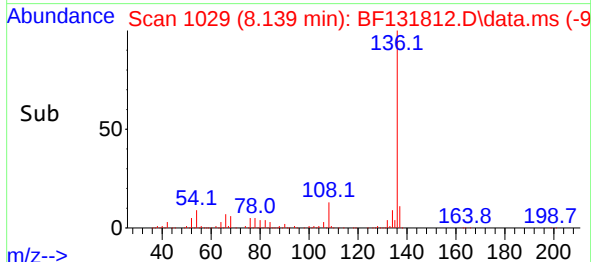
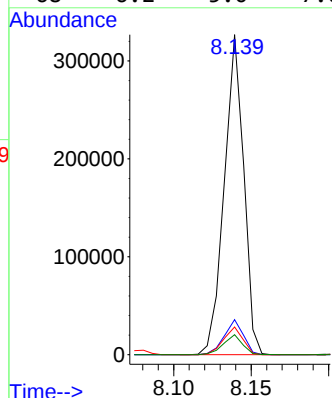
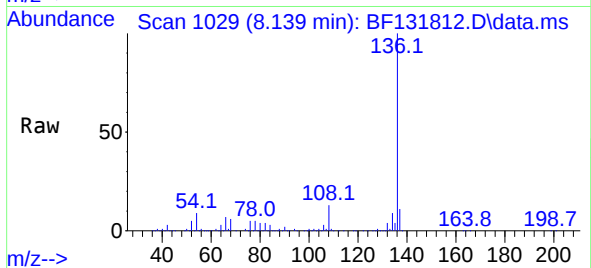
SP-591MSD

Tgt Ion:136 Resp: 28566
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.6 7.2 10.8
68 6.2 5.0 7.6

Manual Integrations

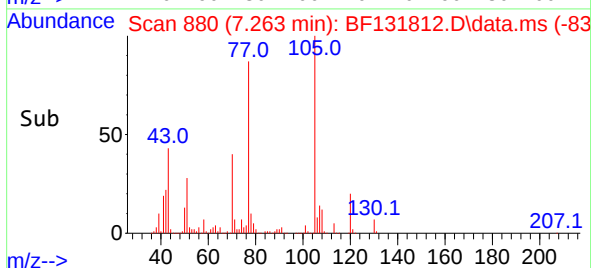
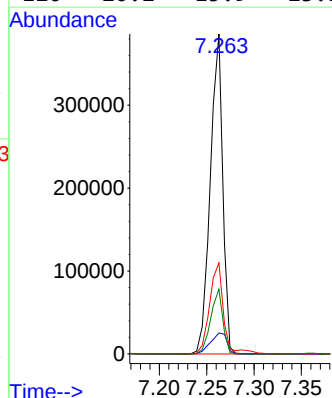
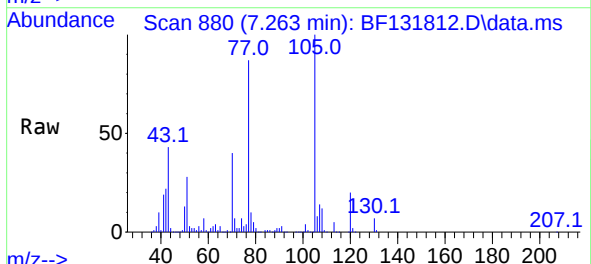
APPROVED

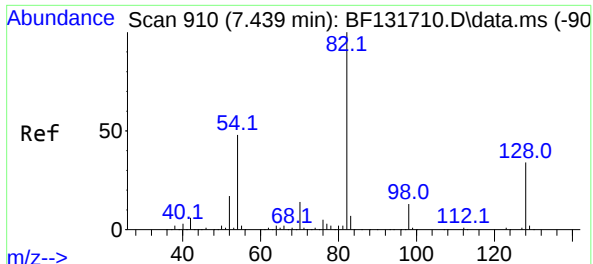
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#22
Acetophenone
Concen: 42.408 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Tgt Ion:105 Resp: 353531
Ion Ratio Lower Upper
105 100
71 6.6 5.5 8.3
51 28.4 25.5 38.3
120 20.2 15.9 23.9





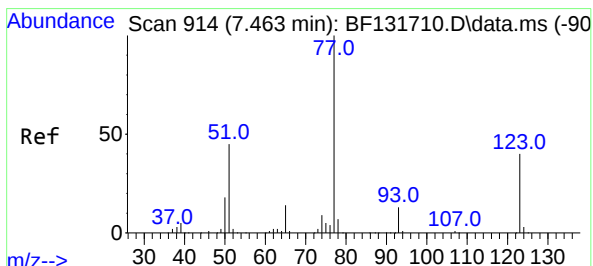
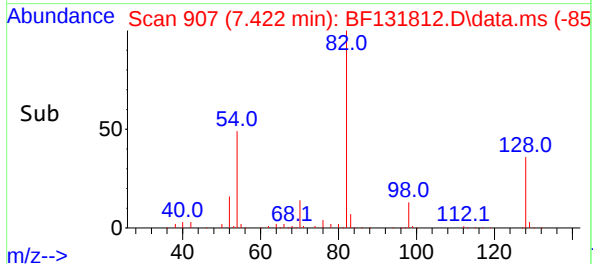
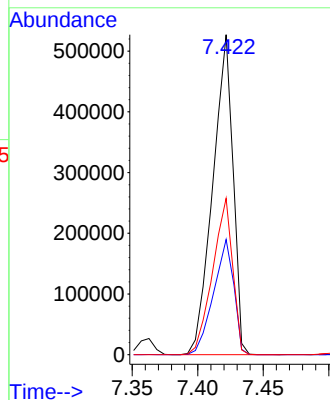
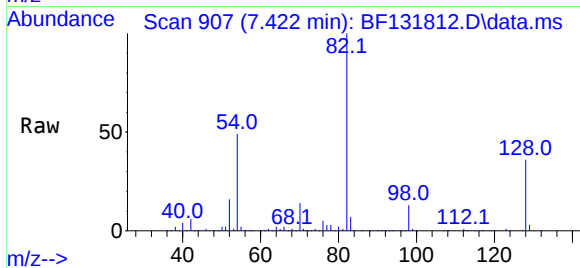
#23
Nitrobenzene-d5
Concen: 80.399 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :
BNA_F
ClientSampleId :
SP-591MSD

Tgt Ion: 82 Resp: 56574
Ion Ratio Lower Upper
82 100
128 36.0 27.3 40.9
54 48.9 38.2 57.2

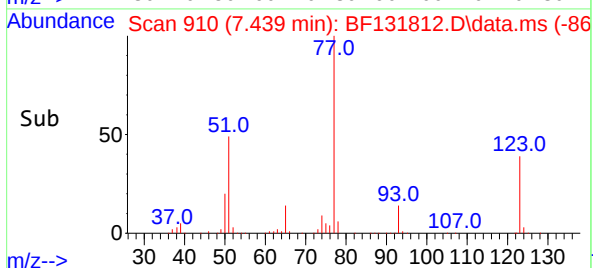
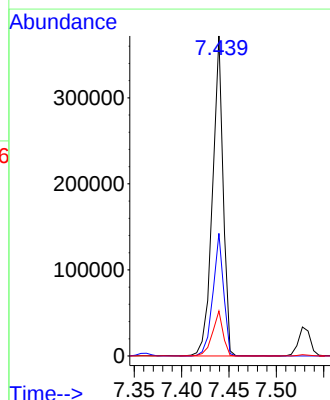
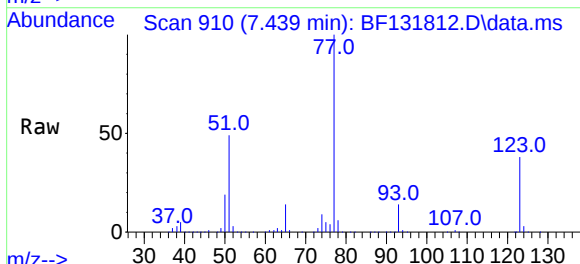
Manual Integrations
APPROVED

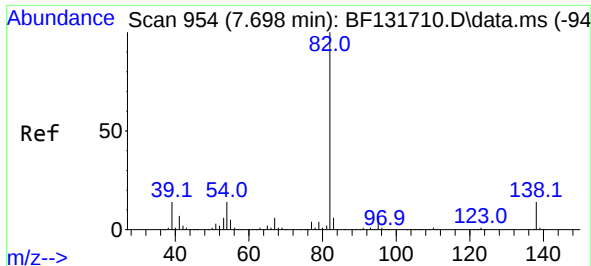
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#24
Nitrobenzene
Concen: 40.555 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

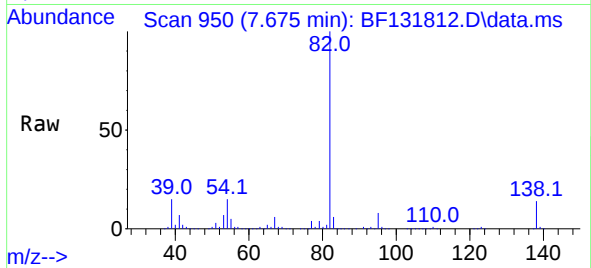
Tgt Ion: 77 Resp: 290116
Ion Ratio Lower Upper
77 100
123 38.3 31.8 47.6
65 14.1 10.9 16.3





#25
Isophorone
Concen: 43.096 ng
RT: 7.675 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

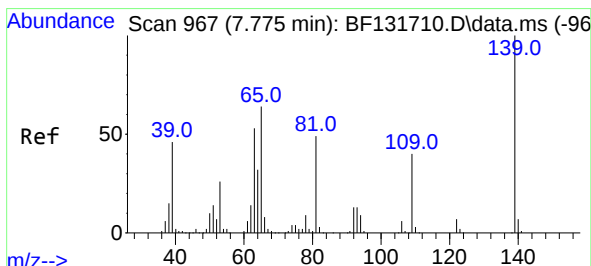
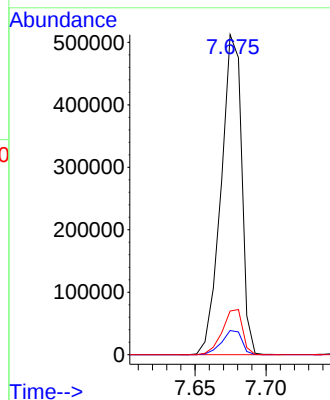
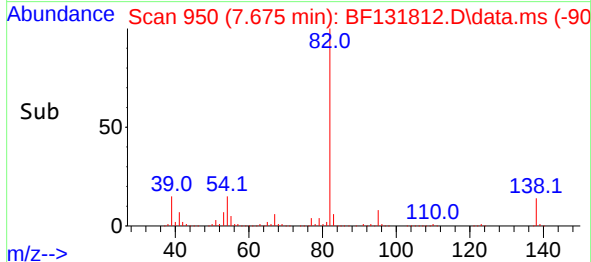
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



Tgt Ion: 82 Resp: 514998
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.6
138 13.7 11.6 17.4

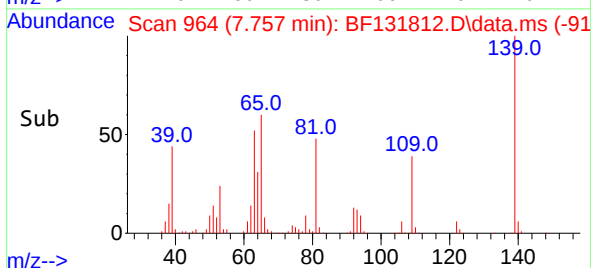
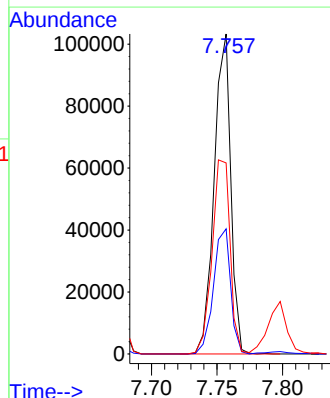
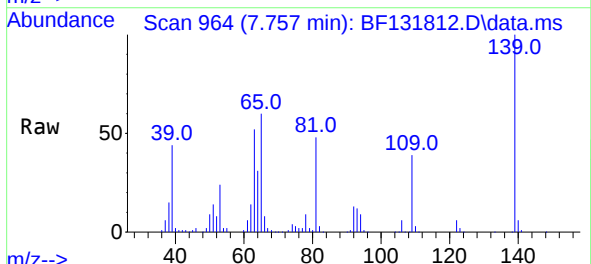
Manual Integrations
APPROVED

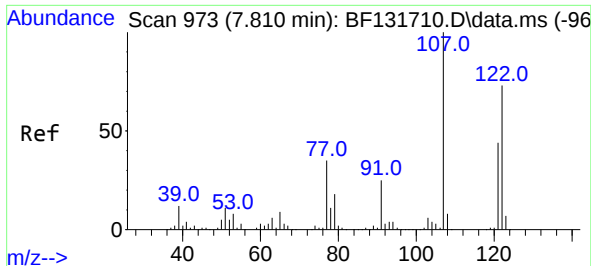
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#26
2-Nitrophenol
Concen: 32.445 ng
RT: 7.757 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Tgt Ion:139 Resp: 90707
Ion Ratio Lower Upper
139 100
109 39.1 31.8 47.6
65 59.7 51.4 77.0





#27
2,4-Dimethylphenol
Concen: 33.881 ng
RT: 7.798 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

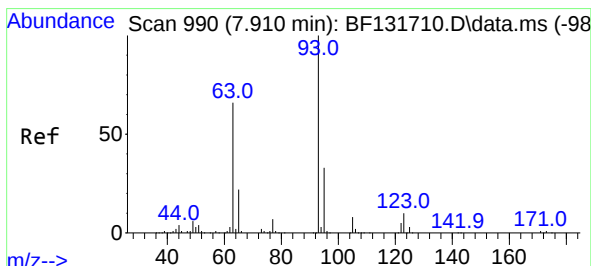
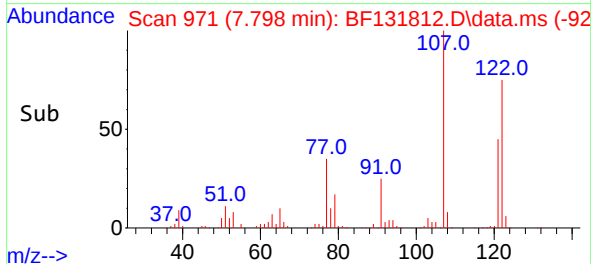
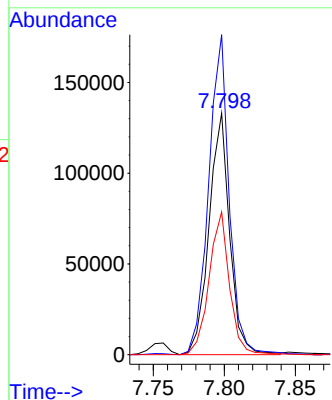
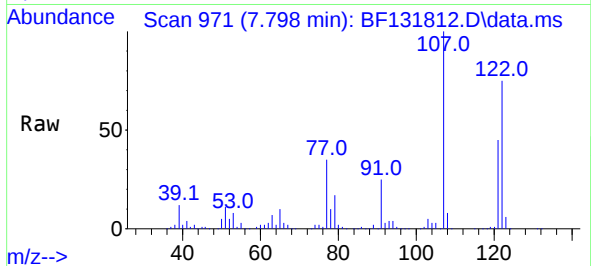
SP-591MSD

Tgt Ion:122 Resp: 134910
Ion Ratio Lower Upper
122 100
107 132.5 110.1 165.1
121 59.1 47.9 71.9

Manual Integrations

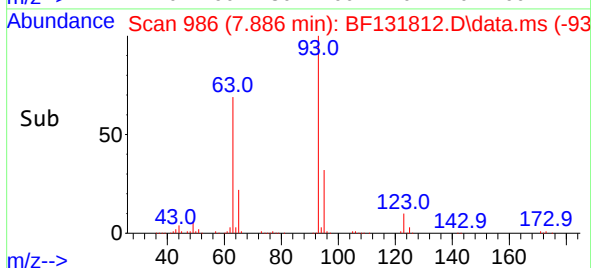
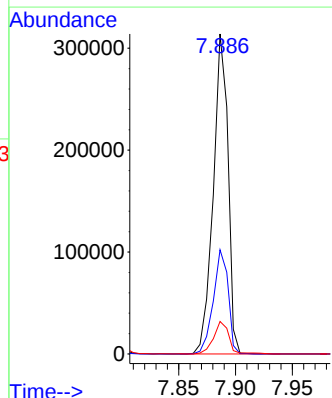
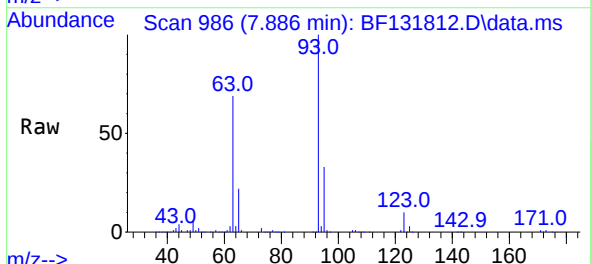
APPROVED

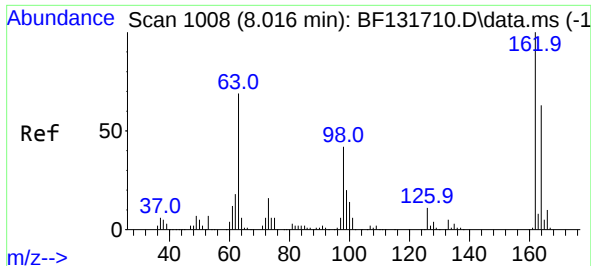
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#28
bis(2-Chloroethoxy)methane
Concen: 44.643 ng
RT: 7.886 min Scan# 986
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Tgt Ion: 93 Resp: 283297
Ion Ratio Lower Upper
93 100
95 32.6 26.0 39.0
123 10.1 8.2 12.2





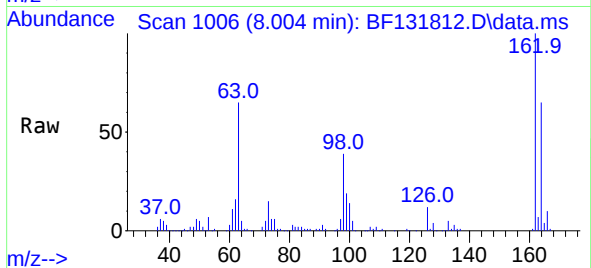
#29
2,4-Dichlorophenol
Concen: 29.403 ng
RT: 8.004 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

SP-591MSD

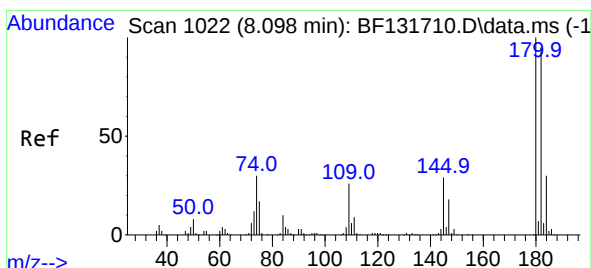
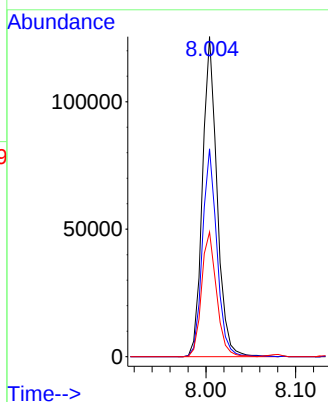
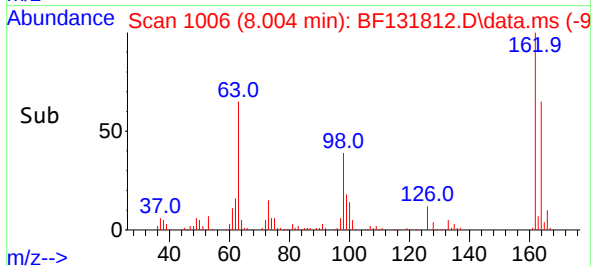


Tgt Ion:162 Resp: 14134
Ion Ratio Lower Upper
162 100
164 64.9 42.9 82.9
98 38.9 21.9 61.9

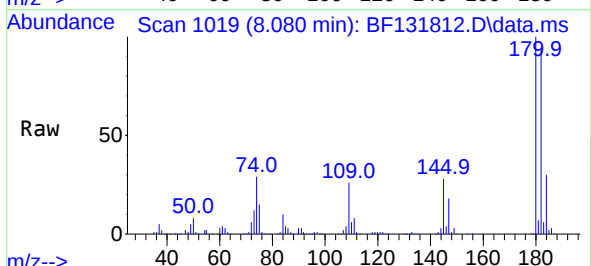
Manual Integrations

APPROVED

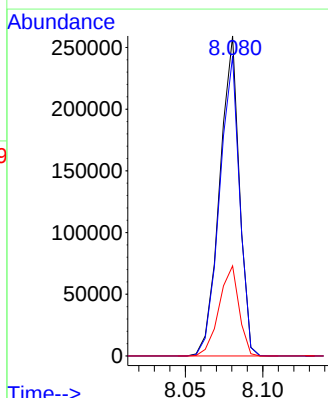
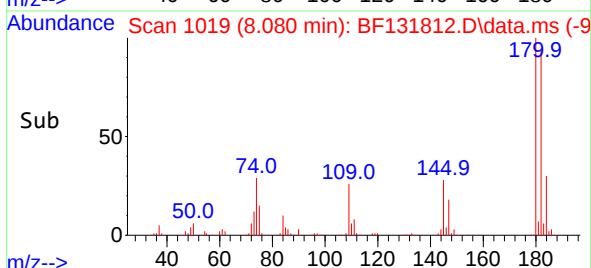
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

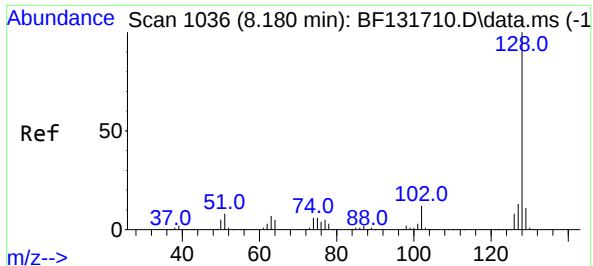


#30
1,2,4-Trichlorobenzene
Concen: 40.378 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



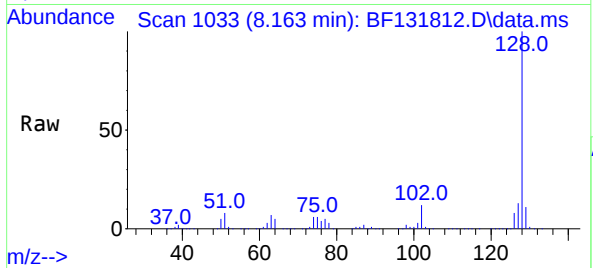
Tgt Ion:180 Resp: 228185
Ion Ratio Lower Upper
180 100
182 93.6 76.1 114.1
145 28.1 23.4 35.0





#31
Naphthalene
Concen: 40.906 ng
RT: 8.163 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

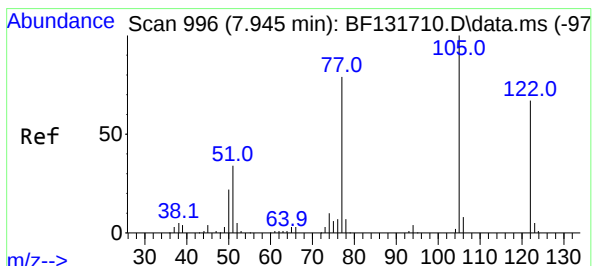
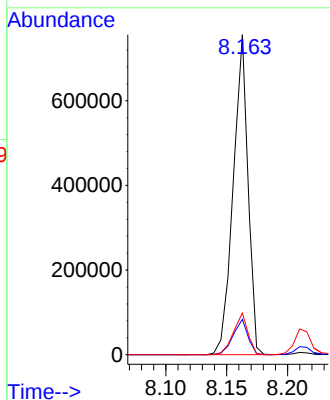
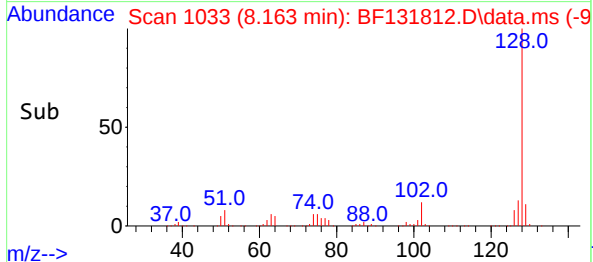
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



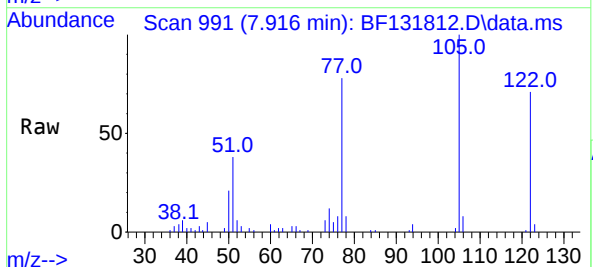
Tgt Ion:128 Resp: 638170
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.1 10.6 15.8

Manual Integrations
APPROVED

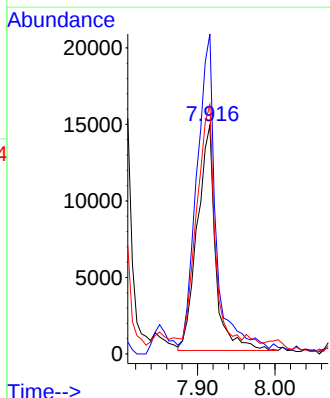
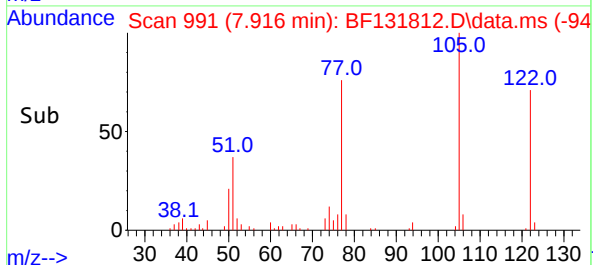
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

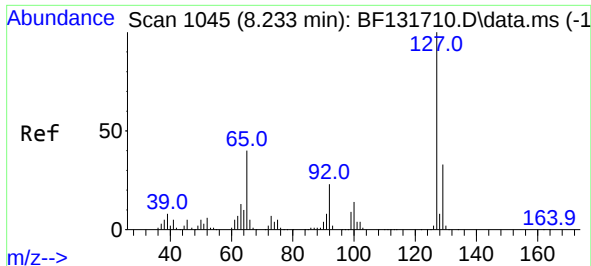


#32
Benzoic acid
Concen: 7.595 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.029 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:122 Resp: 24208
Ion Ratio Lower Upper
122 100
105 140.0 125.1 165.1
77 108.9 95.3 135.3





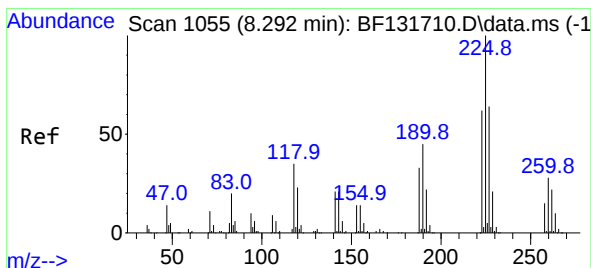
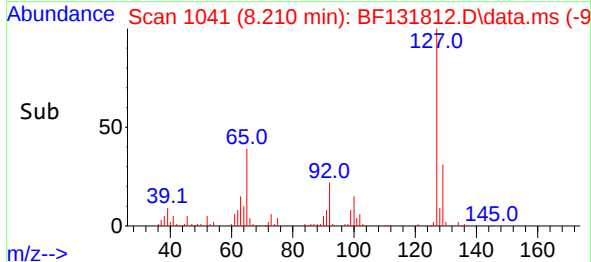
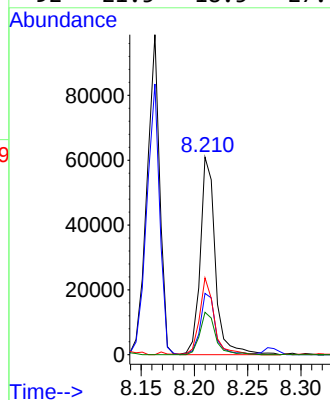
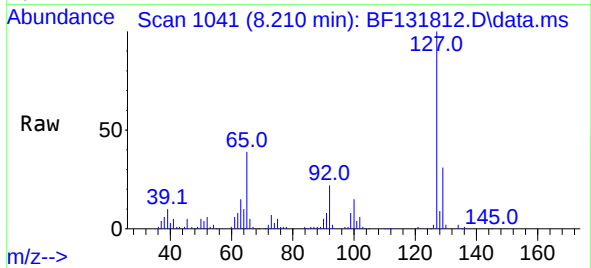
#33
4-Chloroaniline
Concen: 9.884 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :
BNA_F
ClientSampleId :
SP-591MSD

Tgt Ion:127	Resp: 6013
Ion Ratio	Lower Upper
127 100	
129 31.0	26.1 39.1
65 39.0	31.8 47.6
92 21.5	18.5 27.7

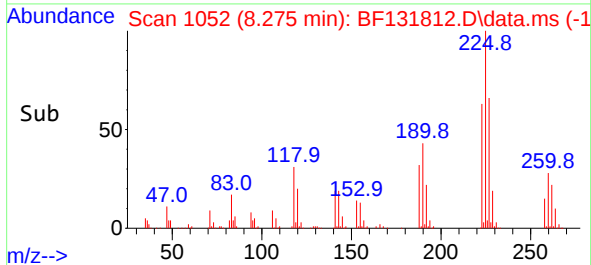
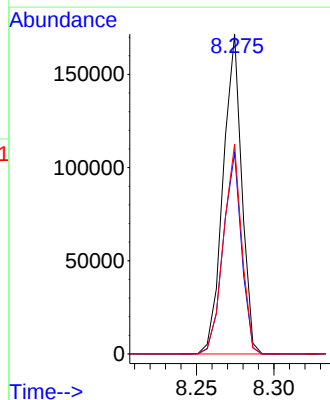
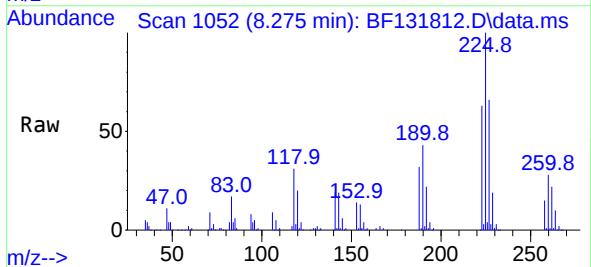
Manual Integrations
APPROVED

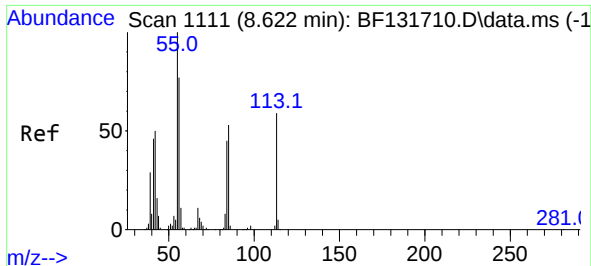
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#34
Hexachlorobutadiene
Concen: 37.651 ng
RT: 8.275 min Scan# 1052
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

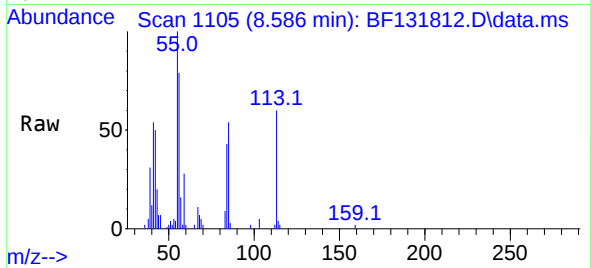
Tgt Ion:225	Resp: 143152
Ion Ratio	Lower Upper
225 100	
223 62.9	49.5 74.3
227 65.6	51.0 76.4





#35
Caprolactam
Concen: 6.004 ng
RT: 8.586 min Scan# 1111
Delta R.T. -0.029 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

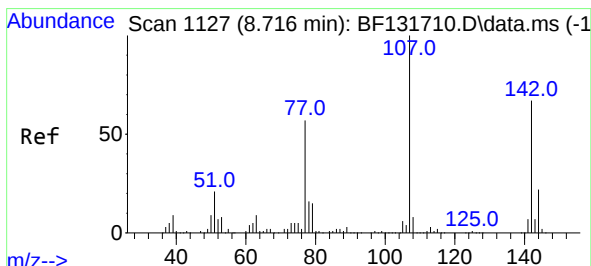
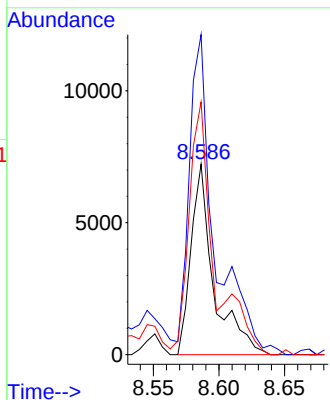
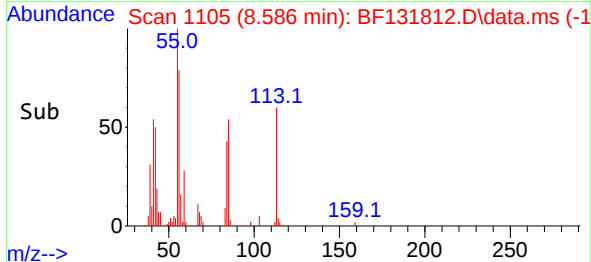
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



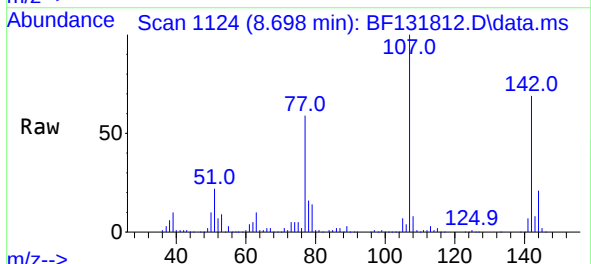
Tgt Ion:113 Resp: 870
Ion Ratio Lower Upper
113 100
55 167.9 149.0 189.0
56 132.6 109.5 149.5

Manual Integrations
APPROVED

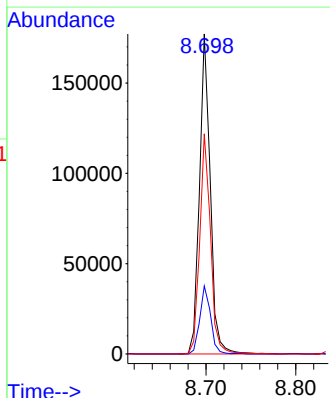
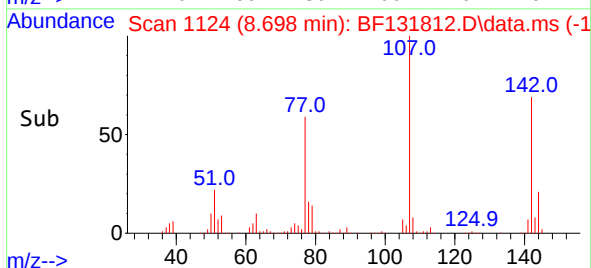
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

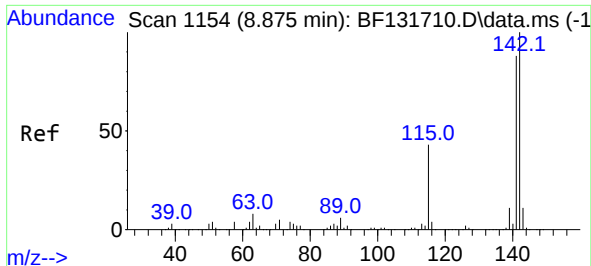


#36
4-Chloro-3-methylphenol
Concen: 26.944 ng
RT: 8.698 min Scan# 1124
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:107 Resp: 147957
Ion Ratio Lower Upper
107 100
144 21.3 17.5 26.3
142 68.8 53.4 80.0





#37

2-Methylnaphthalene

Concen: 40.163 ng

RT: 8.857 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF131812.D

Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

SP-591MSD

Tgt Ion:142 Resp: 42740

Ion Ratio Lower Upper

142 100

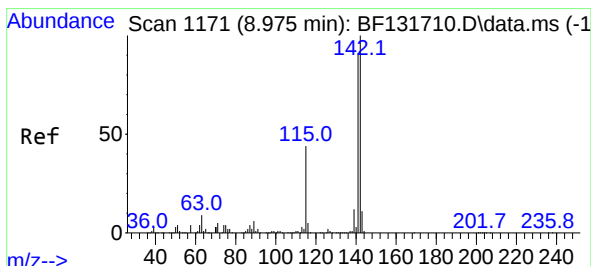
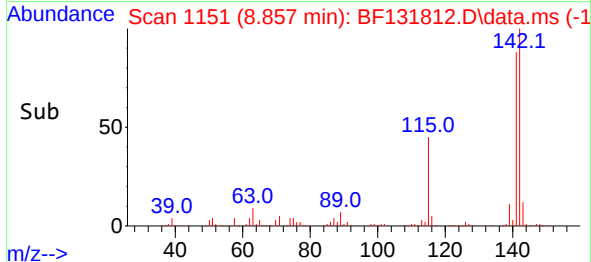
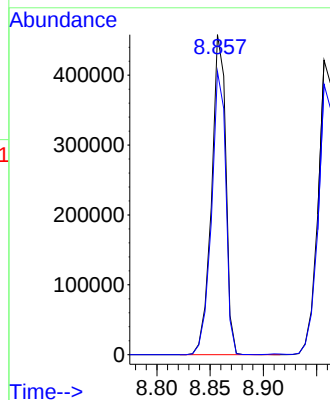
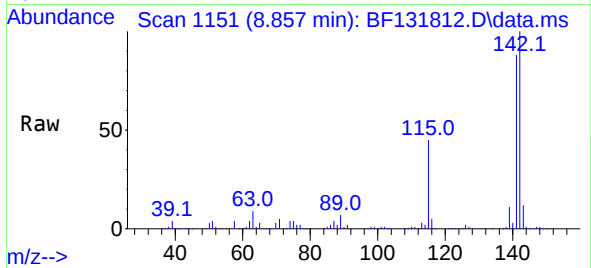
141 88.4 70.4 105.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/24/2022

Supervised By :Jagrut Upadhyay 12/24/2022



#38

1-Methylnaphthalene

Concen: 39.347 ng

RT: 8.957 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF131812.D

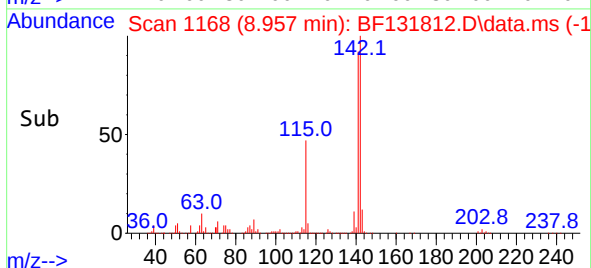
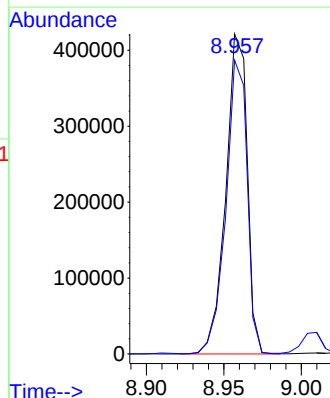
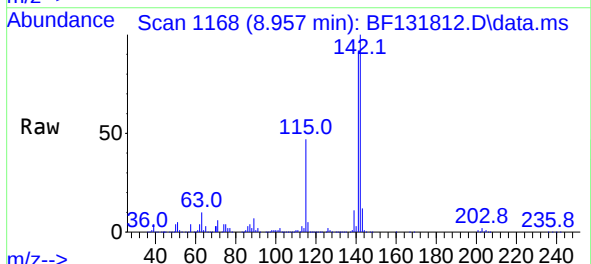
Acq: 23 Dec 2022 18:20

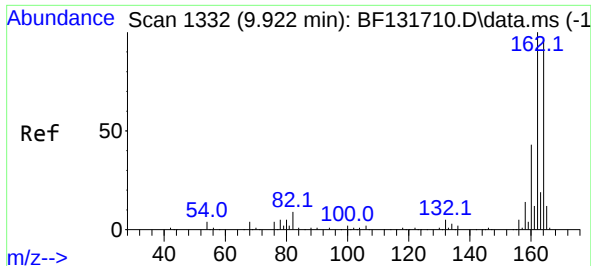
Tgt Ion:142 Resp: 405539

Ion Ratio Lower Upper

142 100

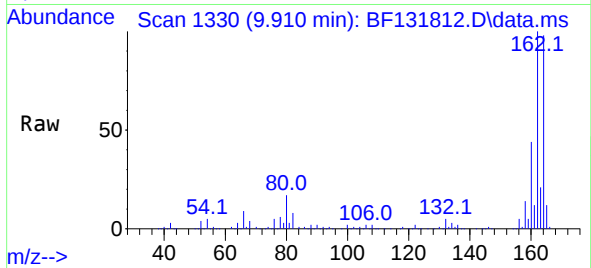
141 91.8 73.0 109.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

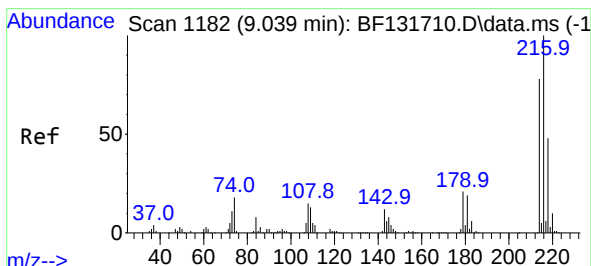
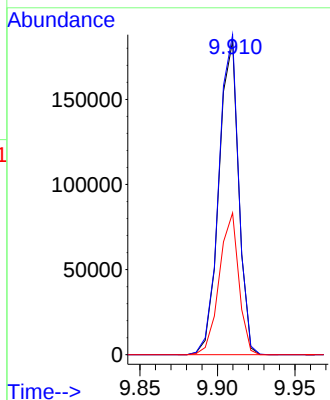
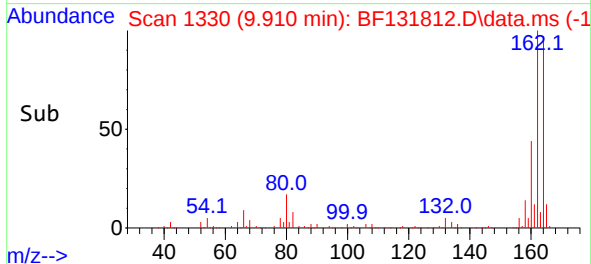
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



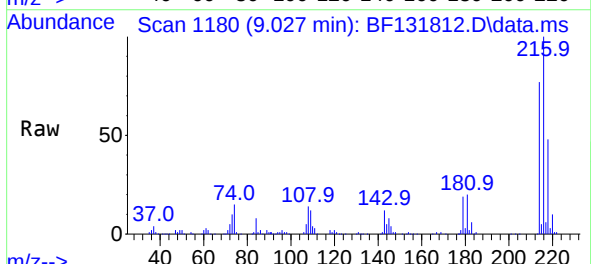
Tgt Ion:164 Resp: 163130
Ion Ratio Lower Upper
164 100
162 102.0 83.7 125.5
160 45.2 36.2 54.4

Manual Integrations
APPROVED

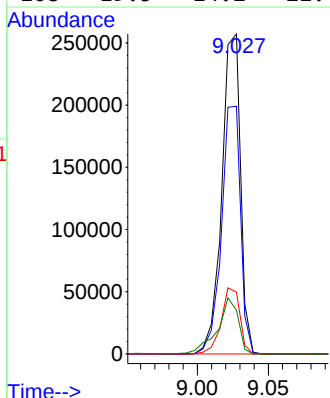
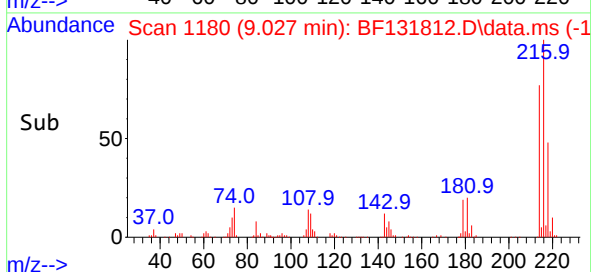
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

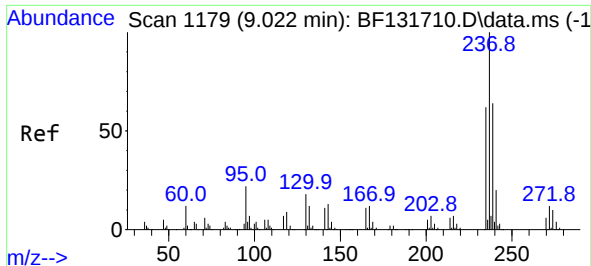


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.168 ng
RT: 9.027 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



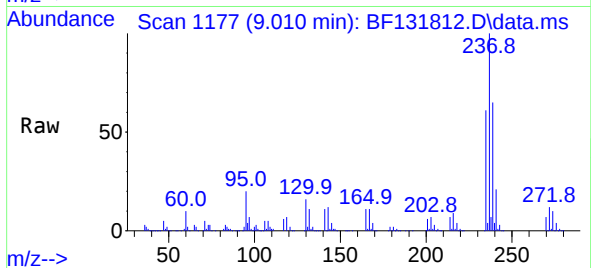
Tgt Ion:216 Resp: 235344
Ion Ratio Lower Upper
216 100
214 78.6 62.9 94.3
179 20.5 16.3 24.5
108 19.5 14.2 21.4





#41
Hexachlorocyclopentadiene
Concen: 87.561 ng
RT: 9.010 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

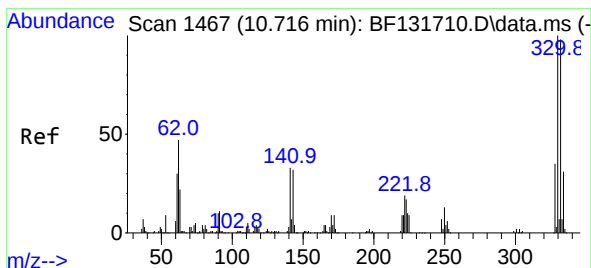
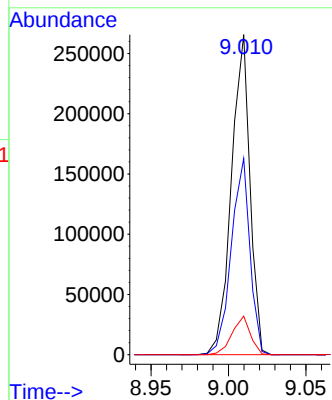
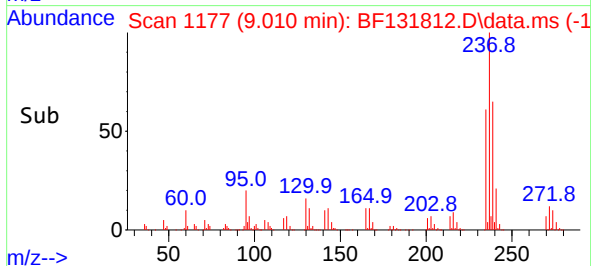
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



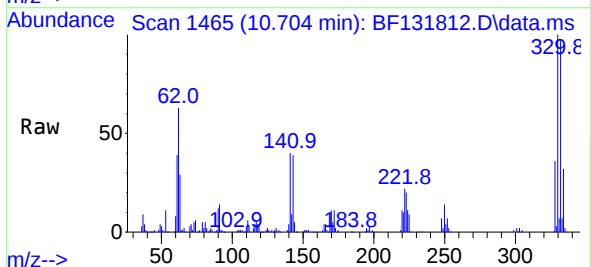
Tgt Ion:237 Resp: 221404
Ion Ratio Lower Upper
237 100
235 61.3 42.2 82.2
272 12.1 0.0 31.7

Manual Integrations
APPROVED

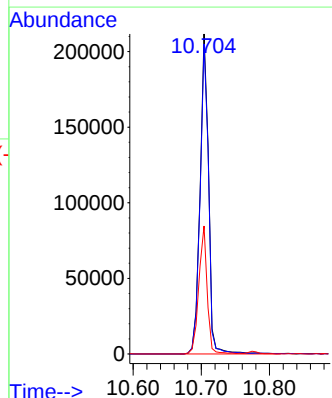
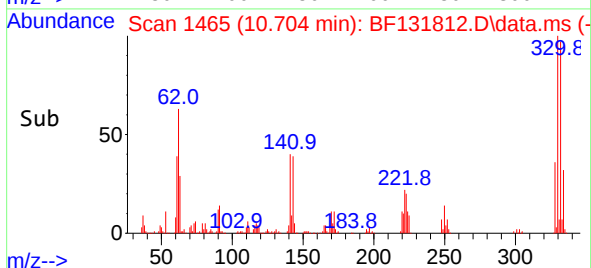
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

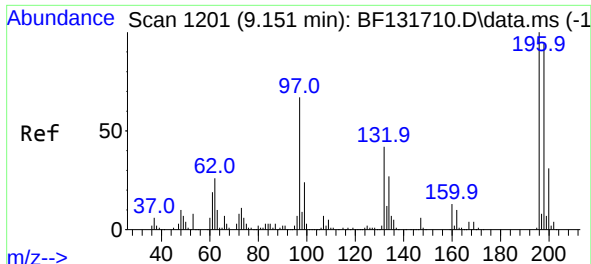


#42
2,4,6-Tribromophenol
Concen: 103.350 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:330 Resp: 184534
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 39.1 30.4 45.6





#43

2,4,6-Trichlorophenol

Concen: 32.700 ng

RT: 9.139 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF131812.D

Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

SP-591MSD

Tgt Ion:196 Resp: 119218

Ion Ratio Lower Upper

196 100

198 96.3 75.5 113.3

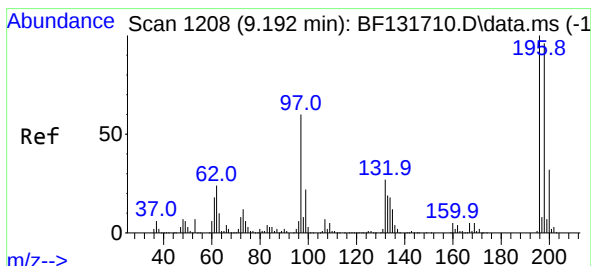
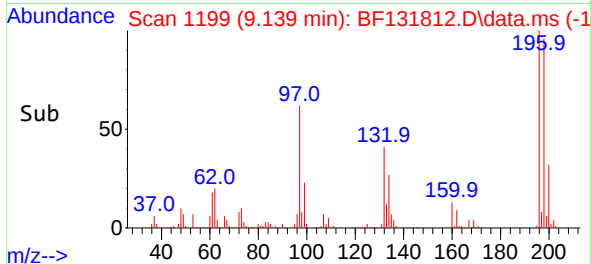
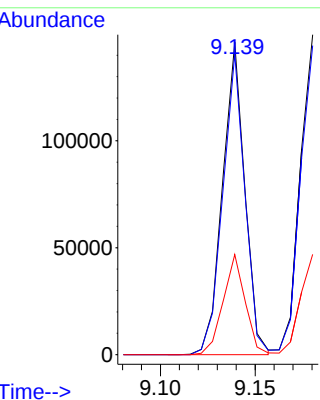
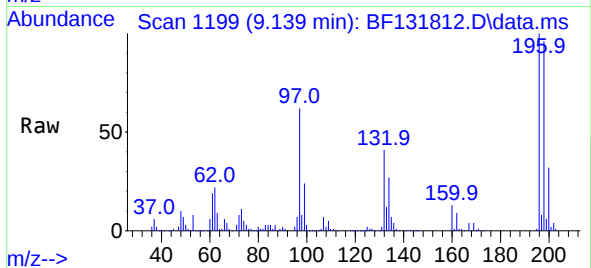
200 32.1 25.2 37.8

Manual Integrations

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Reviewed By :Christian Giraldo 12/24/2022

Supervised By :Jagrut Upadhyay 12/24/2022



#44

2,4,5-Trichlorophenol

Concen: 32.190 ng

RT: 9.180 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF131812.D

Acq: 23 Dec 2022 18:20

Tgt Ion:196 Resp: 127050

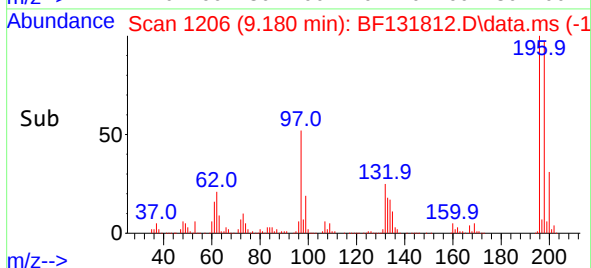
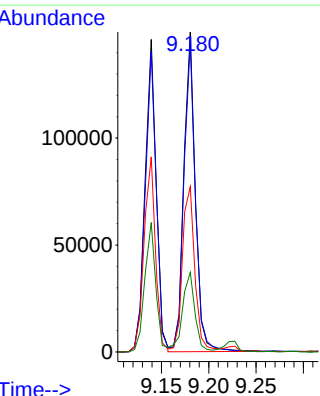
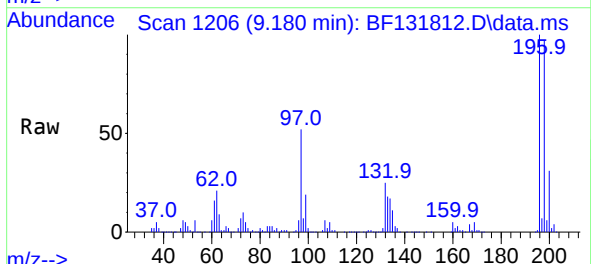
Ion Ratio Lower Upper

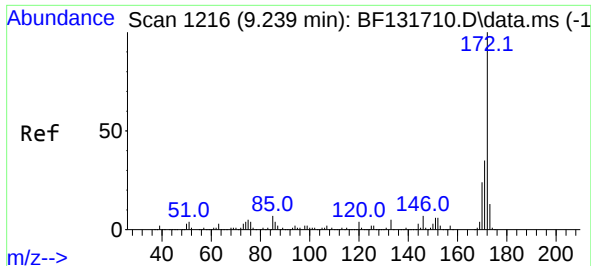
196 100

198 96.6 76.6 114.8

97 51.6 47.7 71.5

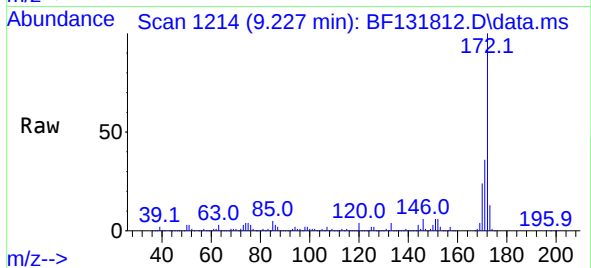
132 24.9 21.8 32.8





#45
2-Fluorobiphenyl
Concen: 83.072 ng
RT: 9.227 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

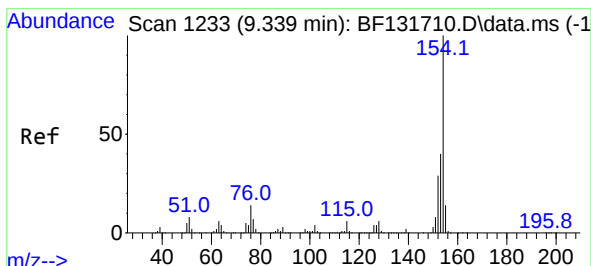
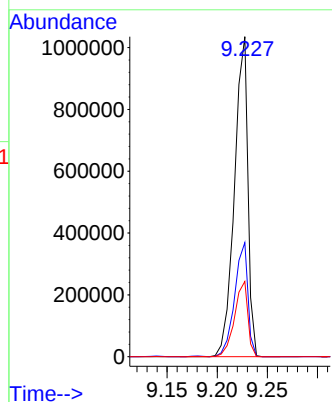
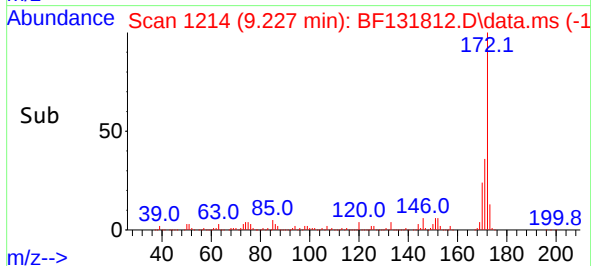
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



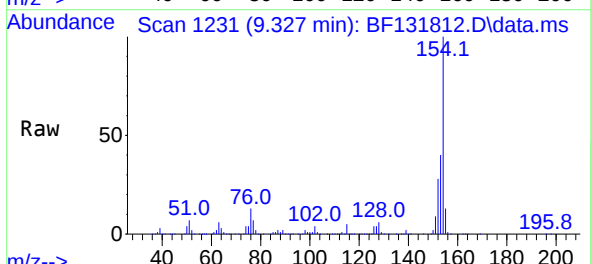
Tgt Ion:172 Resp: 967395
Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 23.5 19.0 28.4

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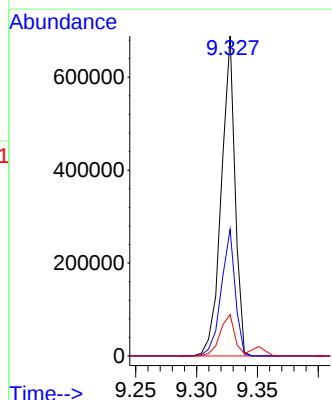
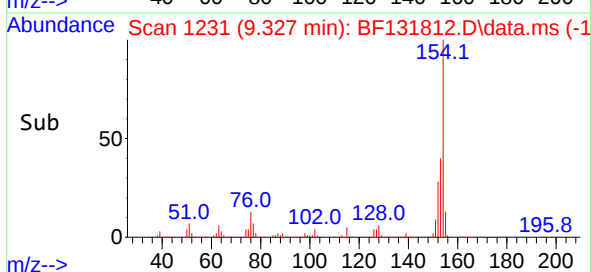
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

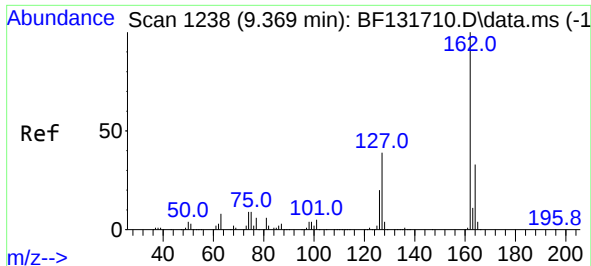


#46
1,1'-Biphenyl
Concen: 44.143 ng
RT: 9.327 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



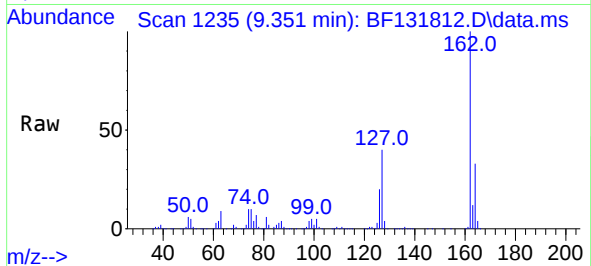
Tgt Ion:154 Resp: 541652
Ion Ratio Lower Upper
154 100
153 39.6 20.1 60.1
76 13.0 0.0 33.6





#47
2-Chloronaphthalene
Concen: 43.269 ng
RT: 9.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

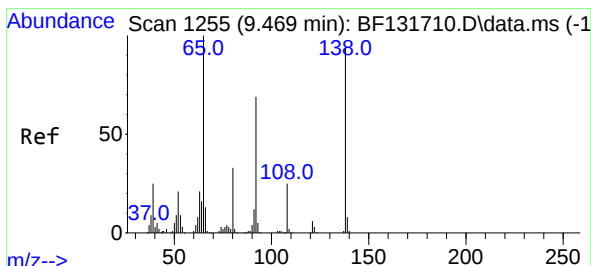
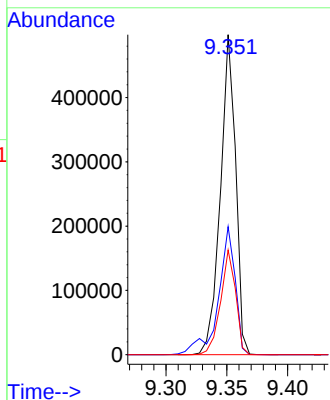
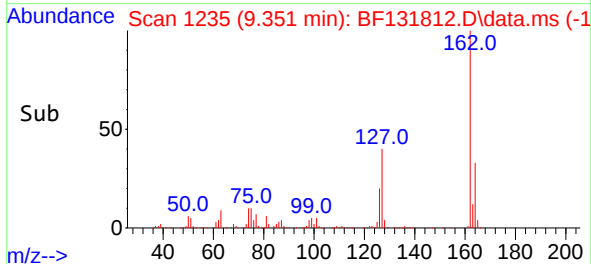
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



Tgt Ion:162 Resp: 43475
Ion Ratio Lower Upper
162 100
127 40.0 31.4 47.2
164 32.7 26.6 39.8

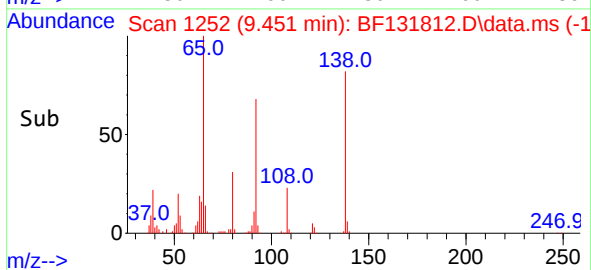
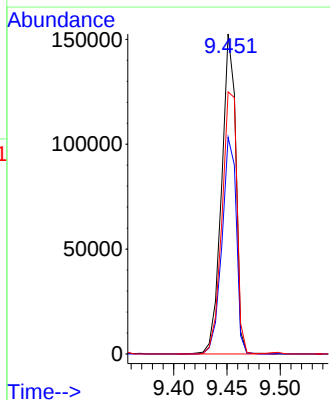
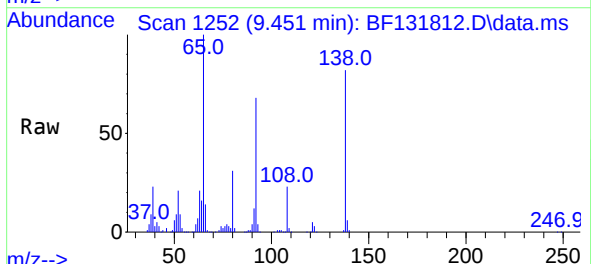
Manual Integrations
APPROVED

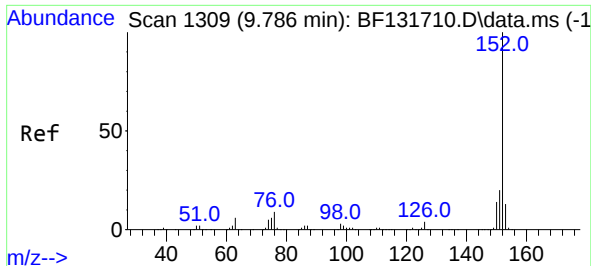
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#48
2-Nitroaniline
Concen: 39.052 ng
RT: 9.451 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Tgt Ion: 65 Resp: 141427
Ion Ratio Lower Upper
65 100
92 67.7 55.5 83.3
138 81.9 74.8 112.2





#49
Acenaphthylene
Concen: 43.002 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

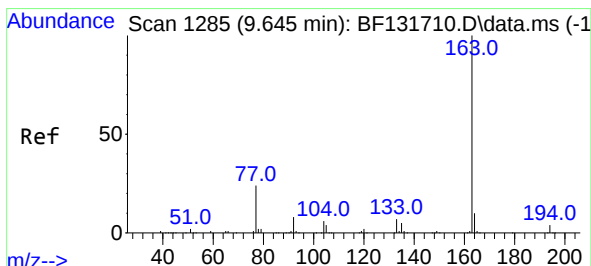
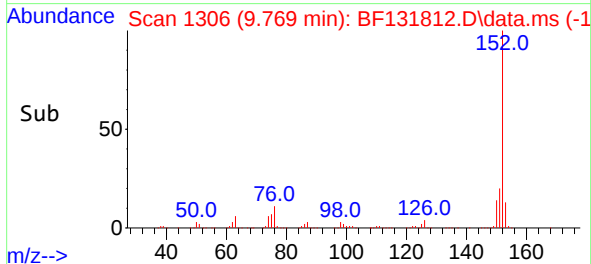
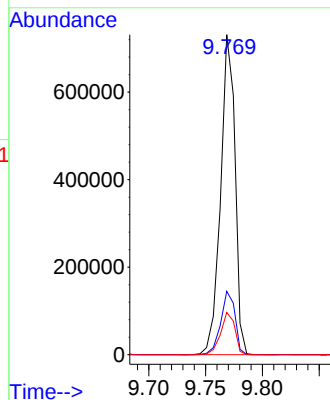
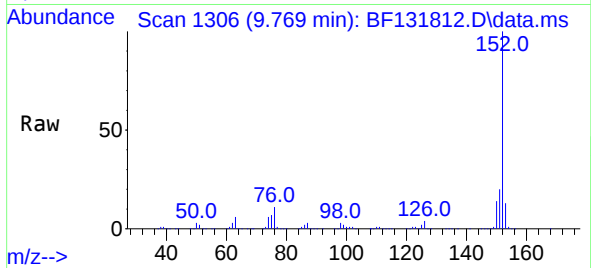
SP-591MSD

Tgt Ion:152 Resp: 64806
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 13.2 10.6 15.8

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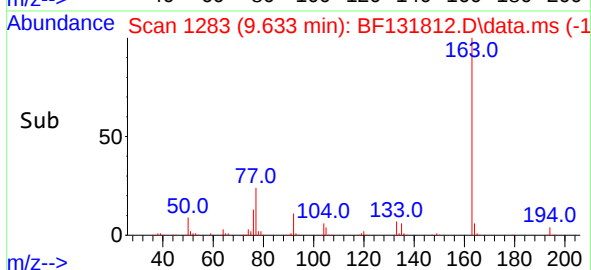
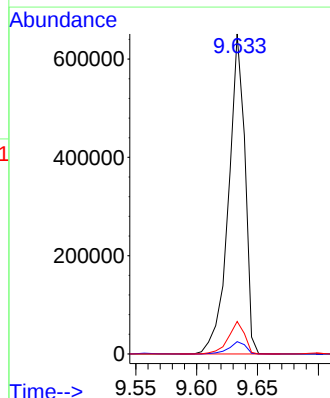
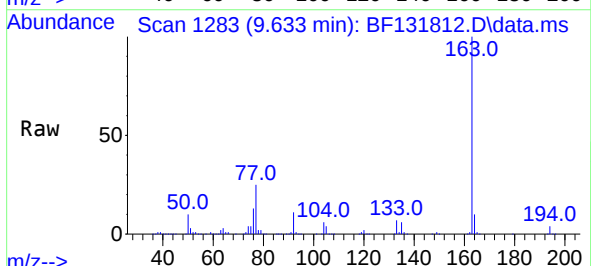
APPROVED

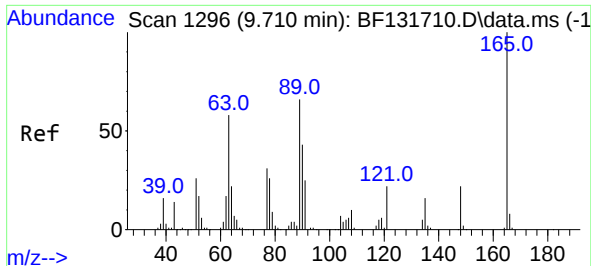
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#50
Dimethylphthalate
Concen: 49.718 ng
RT: 9.633 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

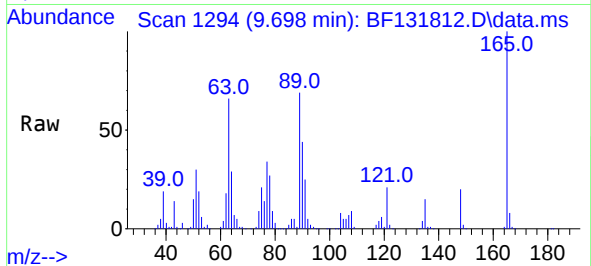
Tgt Ion:163 Resp: 610278
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.2 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 43.535 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

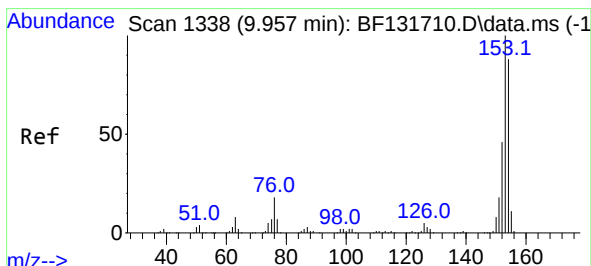
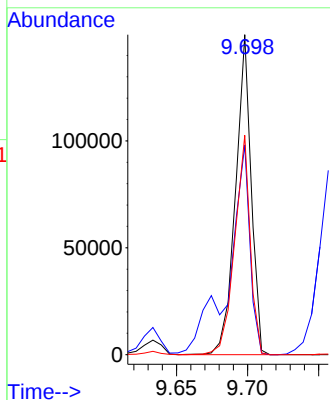
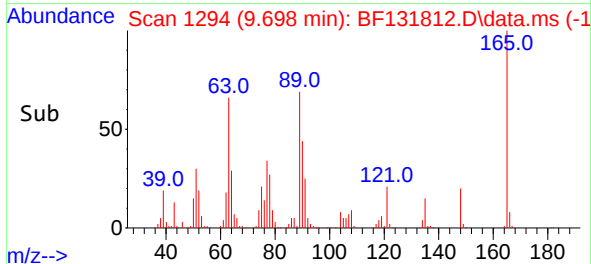
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



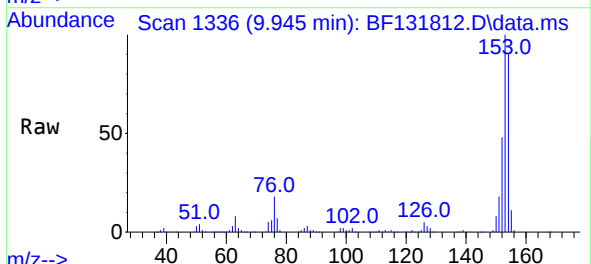
Tgt Ion:165 Resp: 114904
Ion Ratio Lower Upper
165 100
63 65.6 51.8 77.8
89 68.5 53.2 79.8

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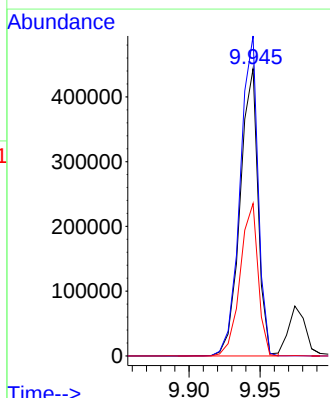
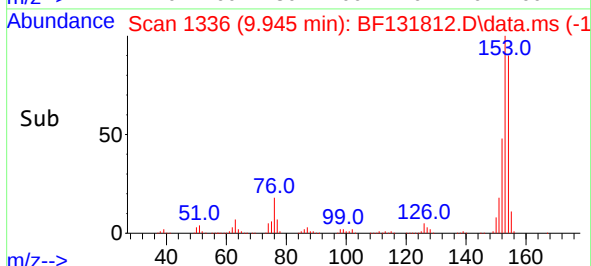
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

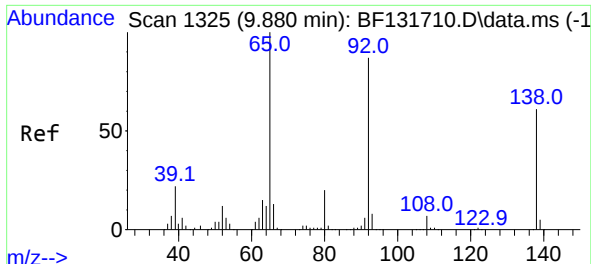


#52
Acenaphthene
Concen: 42.471 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:154 Resp: 392090
Ion Ratio Lower Upper
154 100
153 111.4 90.4 135.6
152 53.1 42.0 63.0





#53
3-Nitroaniline
Concen: 18.708 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

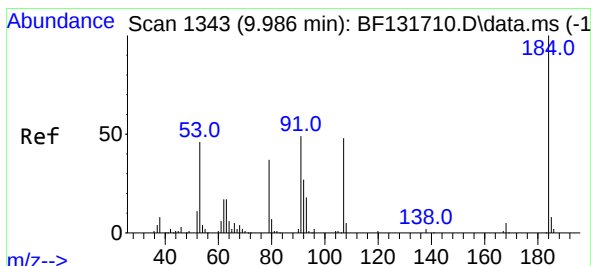
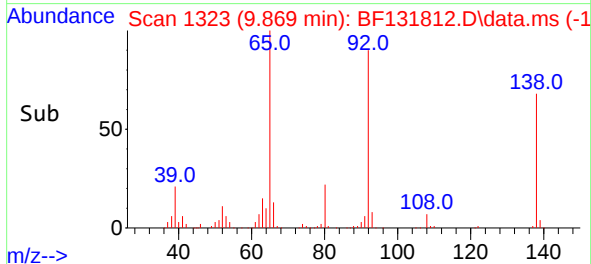
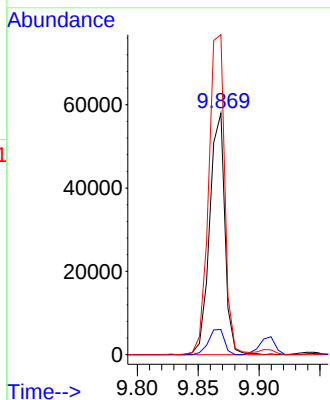
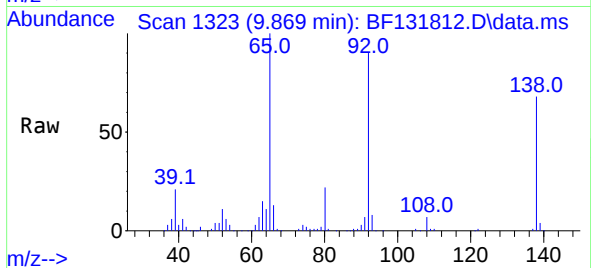
ClientSampleId :

SP-591MSD

Tgt Ion:138 Resp: 5052
Ion Ratio Lower Upper
138 100
108 10.4 9.2 13.8
92 132.5 114.6 171.8

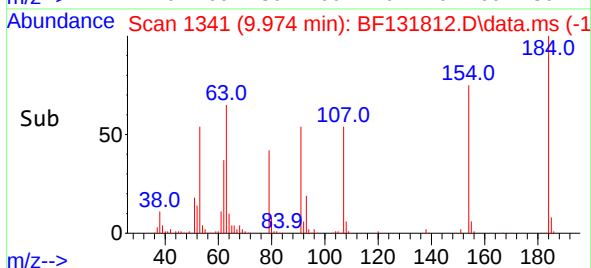
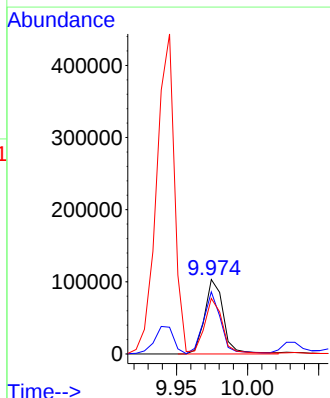
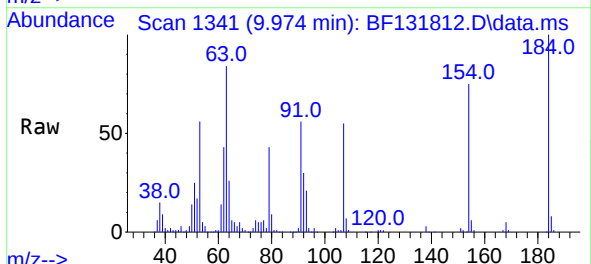
Manual Integrations
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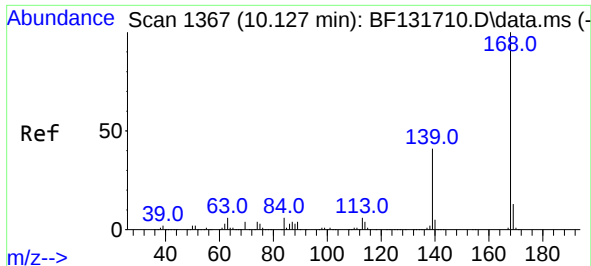
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#54
2,4-Dinitrophenol
Concen: 60.164 ng
RT: 9.974 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

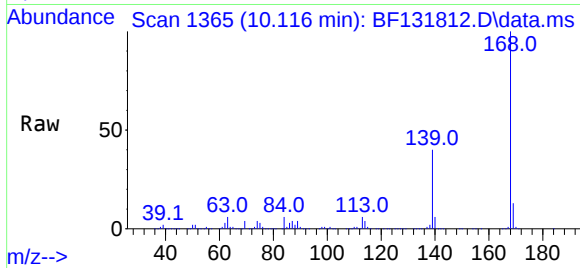
Tgt Ion:184 Resp: 95147
Ion Ratio Lower Upper
184 100
63 83.5 55.8 83.8
154 74.7 57.1 85.7





#55
Dibenzofuran
Concen: 42.806 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

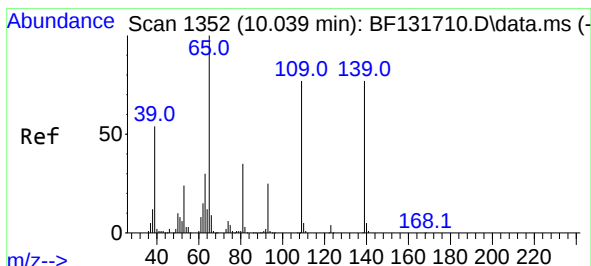
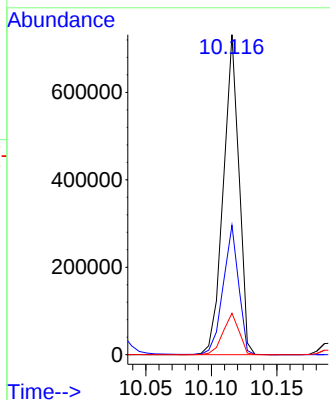
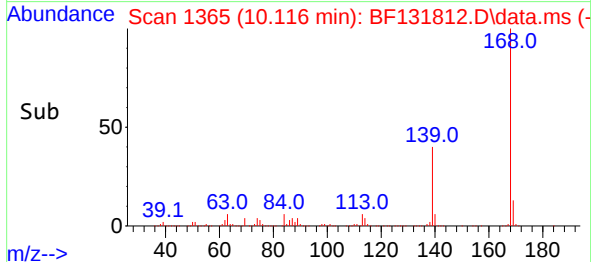
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



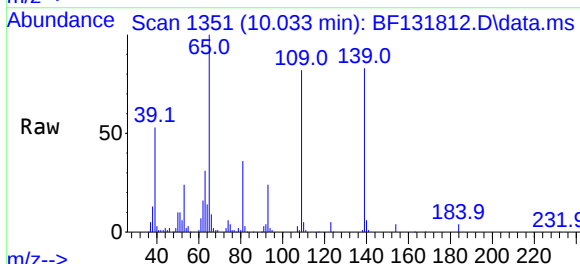
Tgt Ion:168 Resp: 60598
Ion Ratio Lower Upper
168 100
139 40.4 32.7 49.1
169 12.9 10.6 16.0

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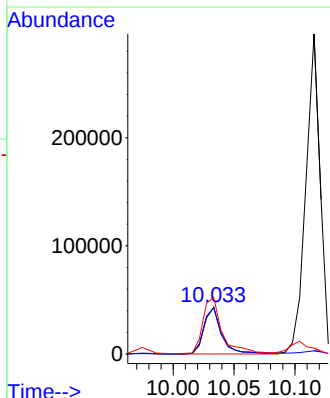
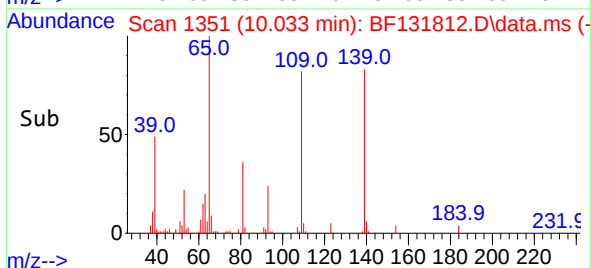
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

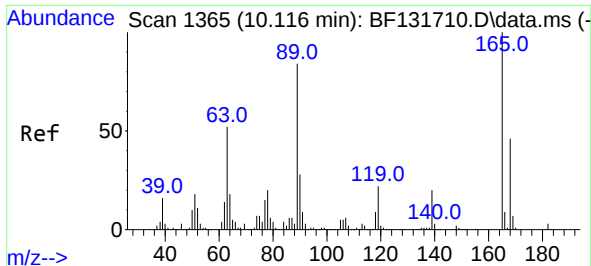


#56
4-Nitrophenol
Concen: 22.478 ng
RT: 10.033 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



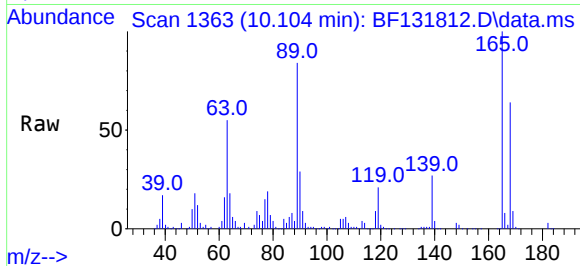
Tgt Ion:139 Resp: 43447
Ion Ratio Lower Upper
139 100
109 98.6 79.9 119.9
65 121.0 110.2 150.2





#57
2,4-Dinitrotoluene
Concen: 42.969 ng
RT: 10.104 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

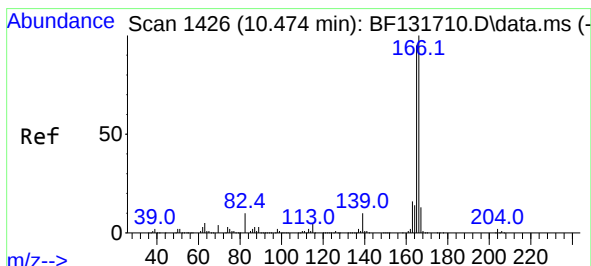
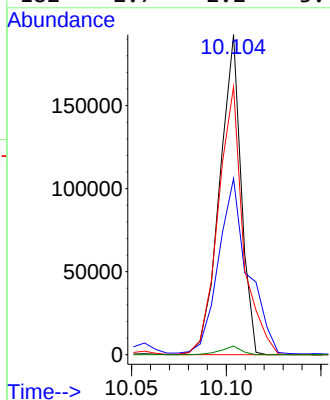
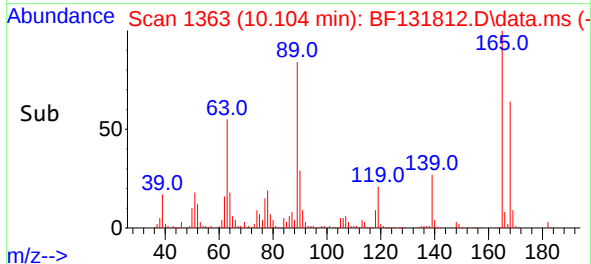
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



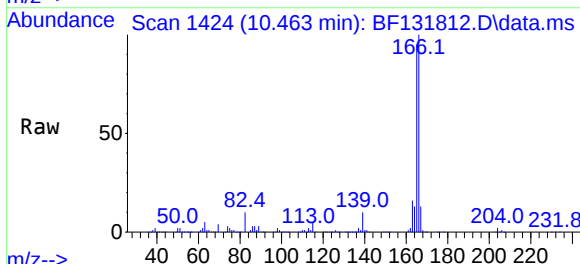
Tgt Ion:165 Resp: 152394
Ion Ratio Lower Upper
165 100
63 55.0 41.5 62.3
89 83.8 67.0 100.4
182 2.7 2.2 3.4

Manual Integrations
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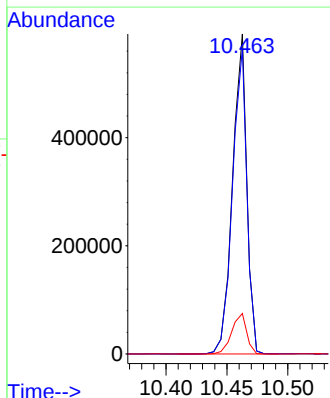
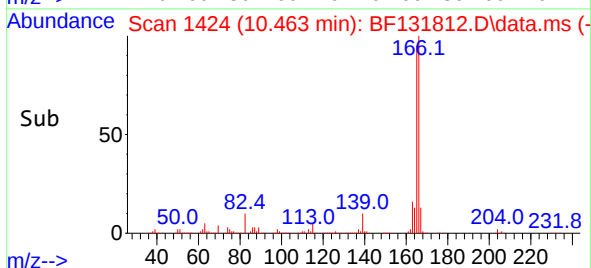
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

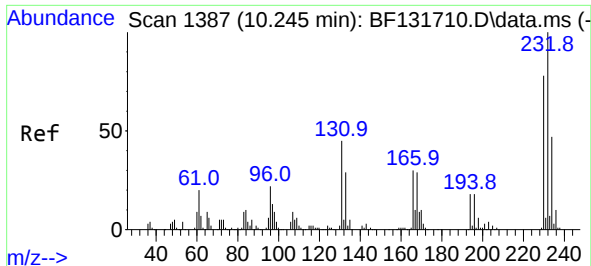


#58
Fluorene
Concen: 41.876 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



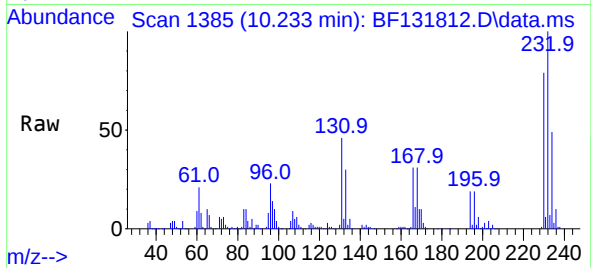
Tgt Ion:166 Resp: 479306
Ion Ratio Lower Upper
166 100
165 95.5 75.8 113.8
167 12.6 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 33.846 ng m
RT: 10.233 min Scan# 11152
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

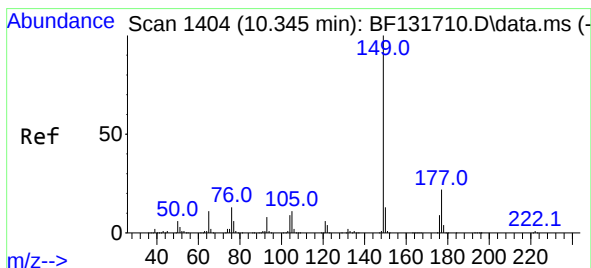
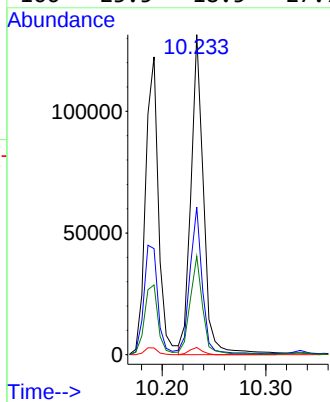
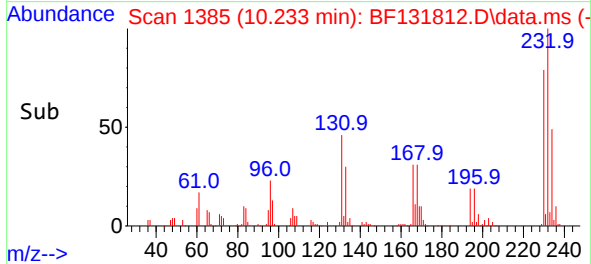
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



Tgt Ion:232 Resp: 11152
Ion Ratio Lower Upper
232 100
131 37.6 29.9 44.9
130 2.2 1.7 2.5
166 23.5 18.5 27.7

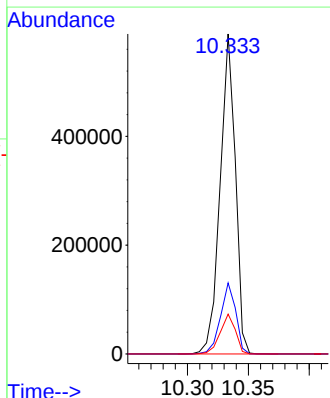
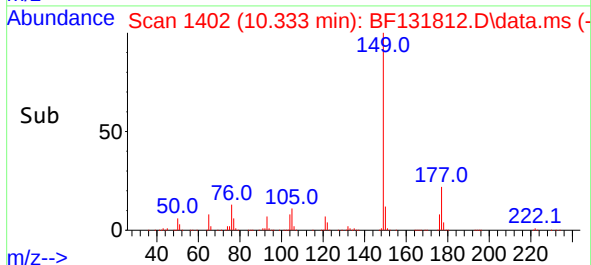
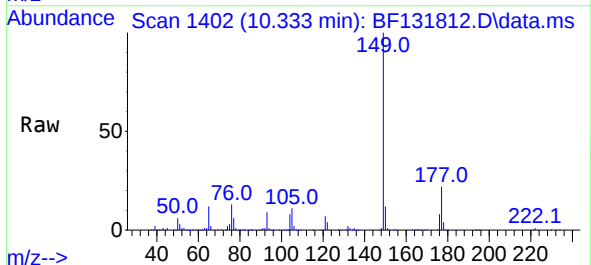
Manual Integrations
APPROVED

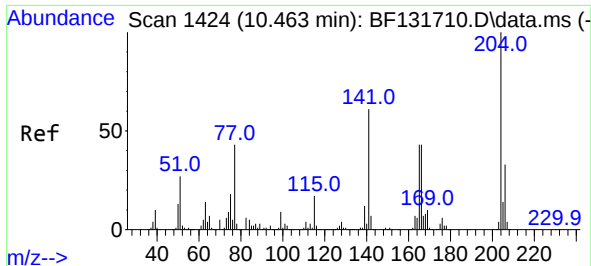
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#60
Diethylphthalate
Concen: 43.341 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

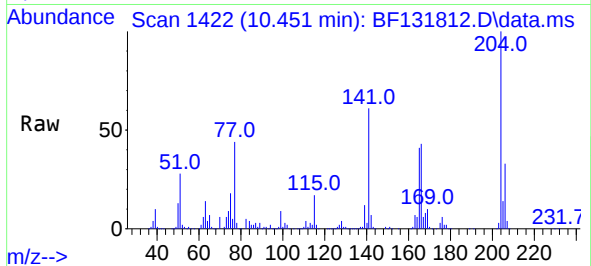
Tgt Ion:149 Resp: 512613
Ion Ratio Lower Upper
149 100
177 22.2 17.4 26.0
150 12.5 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 41.785 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

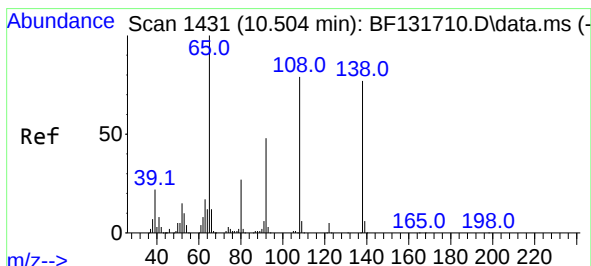
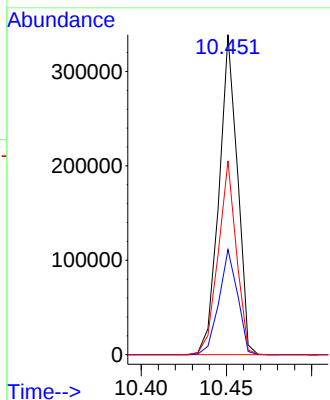
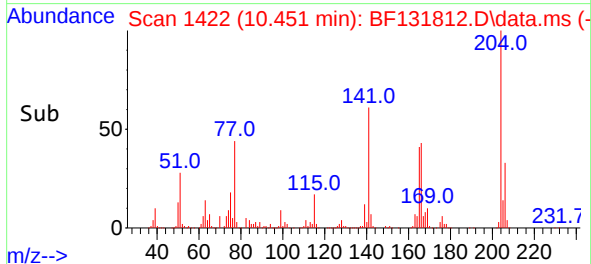
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



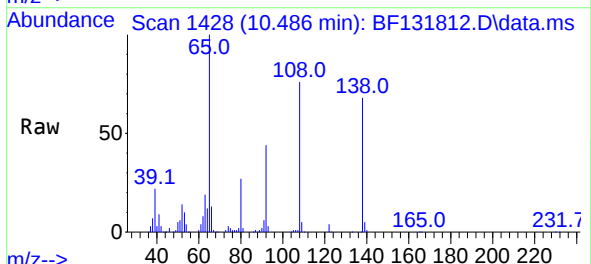
Tgt Ion:204 Resp: 254190
Ion Ratio Lower Upper
204 100
206 32.8 26.6 40.0
141 60.5 48.6 72.8

Manual Integrations
APPROVED

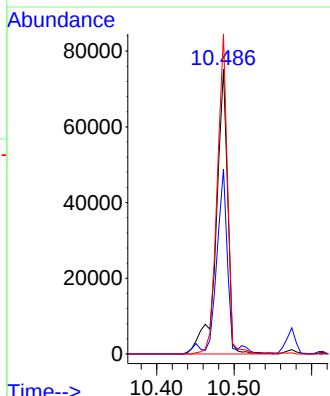
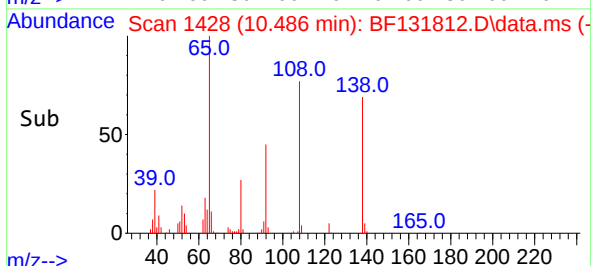
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

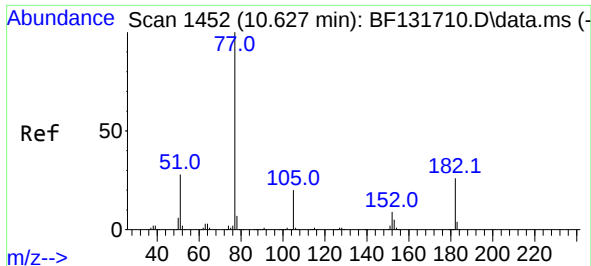


#62
4-Nitroaniline
Concen: 28.609 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



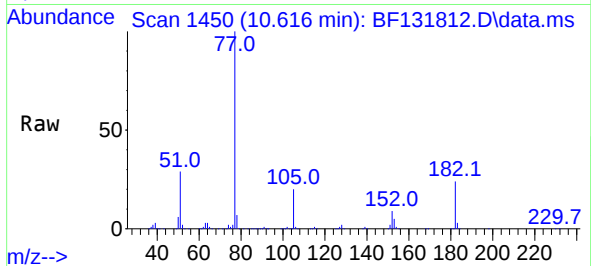
Tgt Ion:138 Resp: 77760
Ion Ratio Lower Upper
138 100
92 65.0 42.1 82.1
108 112.5 83.1 123.1





#63
Azobenzene
Concen: 42.506 ng
RT: 10.616 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

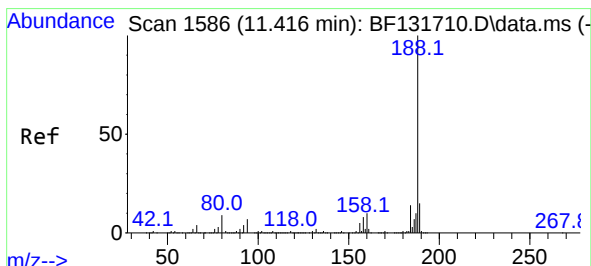
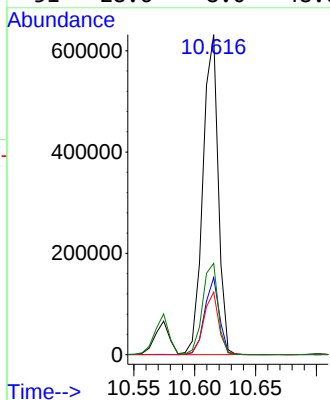
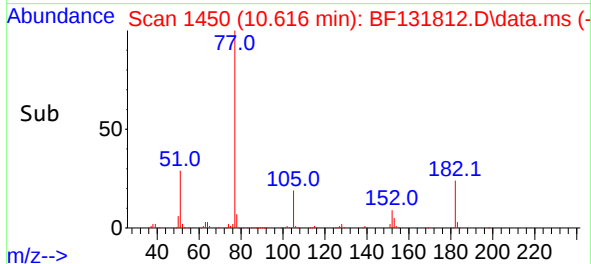
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



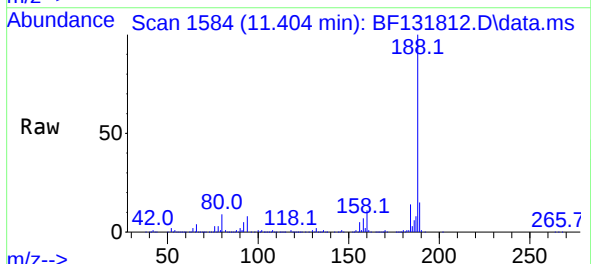
Tgt Ion: 77 Resp: 552072
Ion Ratio Lower Upper
77 100
182 24.1 5.8 45.8
105 19.5 0.0 39.7
51 28.6 8.0 48.0

Manual Integrations
APPROVED

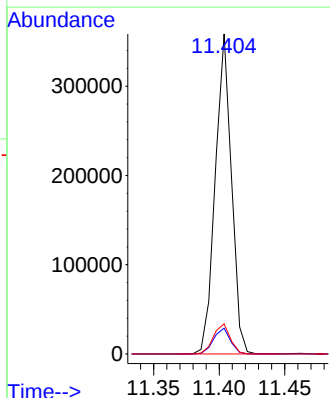
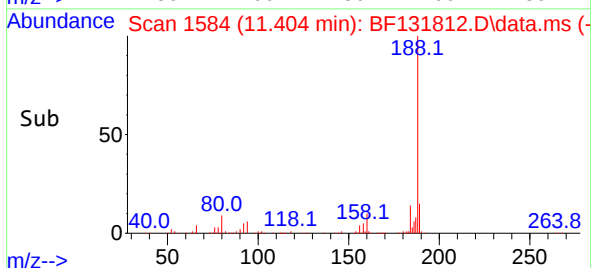
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

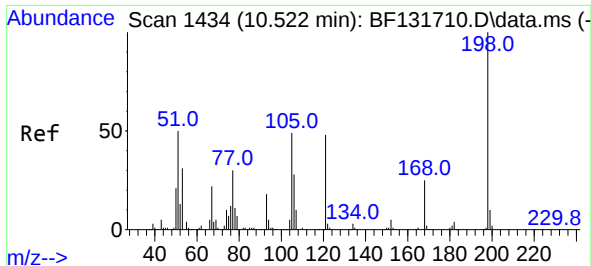


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:188 Resp: 307533
Ion Ratio Lower Upper
188 100
94 8.0 5.9 8.9
80 9.4 7.0 10.6





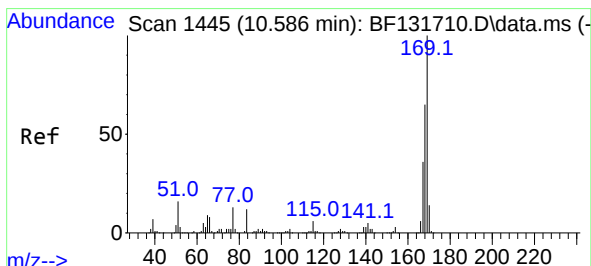
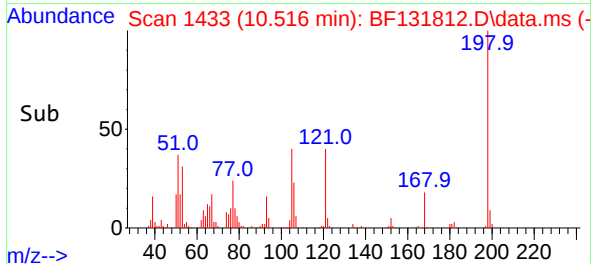
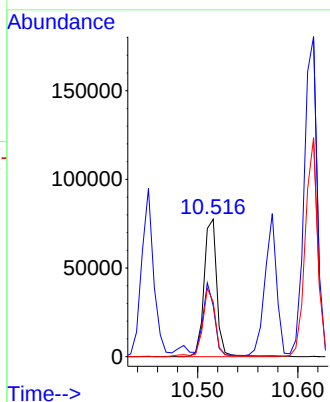
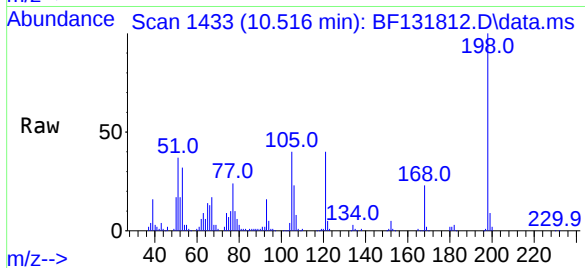
#65
4,6-Dinitro-2-methylphenol
Concen: 32.703 ng
RT: 10.516 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :
BNA_F
ClientSampleId :
SP-591MSD

Tgt Ion:198 Resp: 69049
Ion Ratio Lower Upper
198 100
51 37.0 34.1 74.1
105 39.8 29.7 69.7

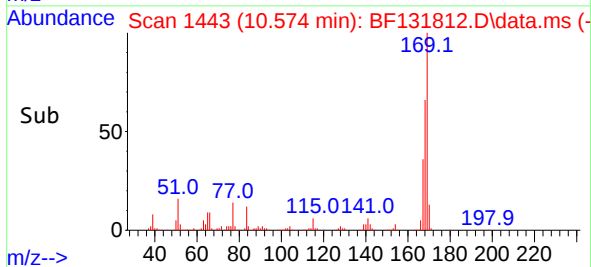
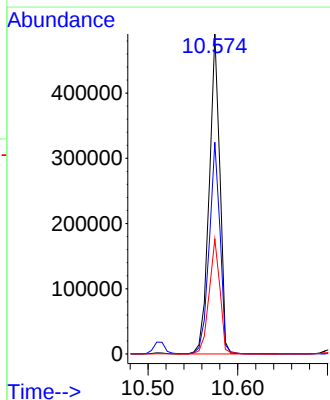
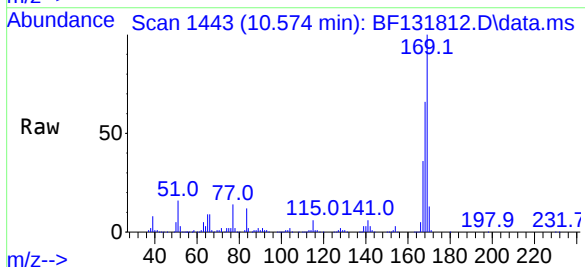
Manual Integrations
APPROVED

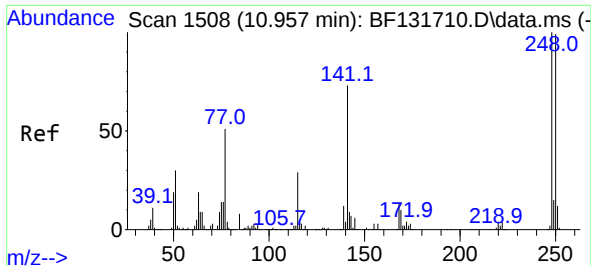
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#66
n-Nitrosodiphenylamine
Concen: 42.445 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

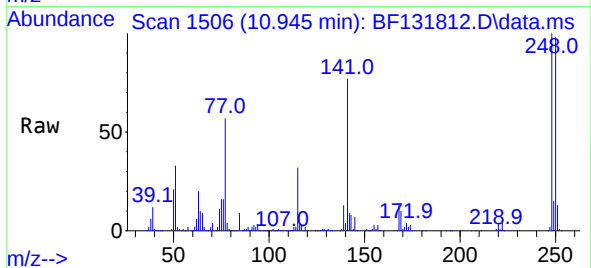
Tgt Ion:169 Resp: 404796
Ion Ratio Lower Upper
169 100
168 66.2 52.4 78.6
167 35.9 28.6 42.8





#67
4-Bromophenyl-phenylether
Concen: 41.840 ng
RT: 10.945 min Scan# 15196
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

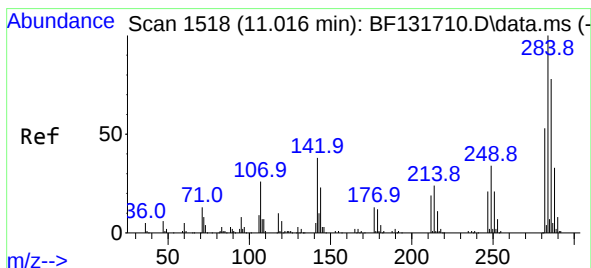
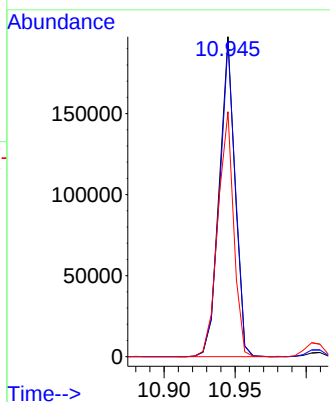
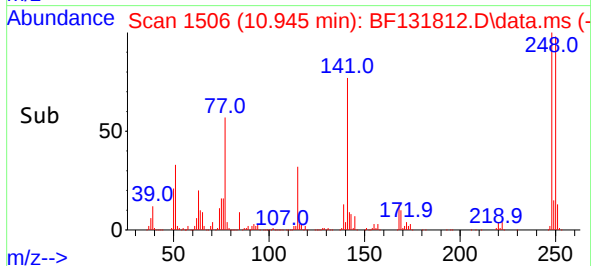
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



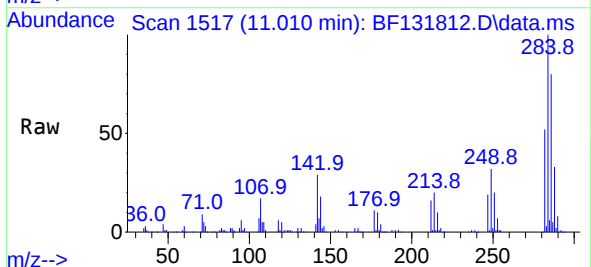
Tgt Ion:248 Resp: 15196
Ion Ratio Lower Upper
248 100
250 98.2 79.4 119.0
141 76.5 58.1 87.1

Manual Integrations
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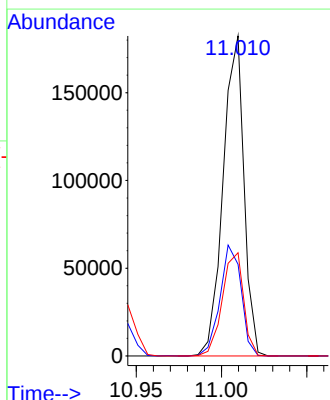
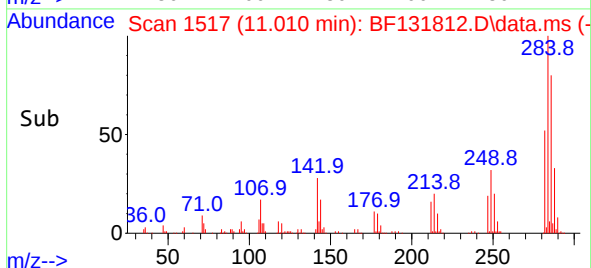
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

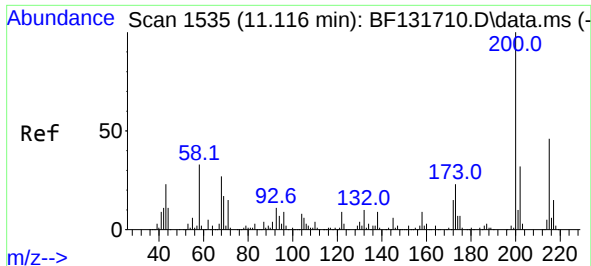


#68
Hexachlorobenzene
Concen: 38.838 ng
RT: 11.010 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



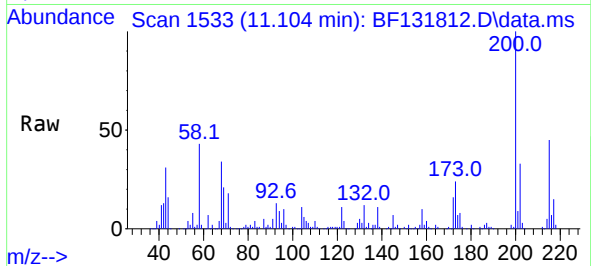
Tgt Ion:284 Resp: 155149
Ion Ratio Lower Upper
284 100
142 28.7 30.2 45.4#
249 32.2 27.2 40.8





#69
Atrazine
Concen: 42.548 ng
RT: 11.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

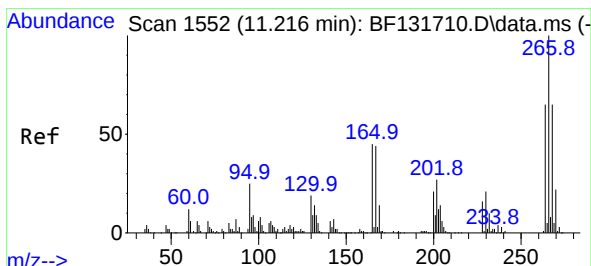
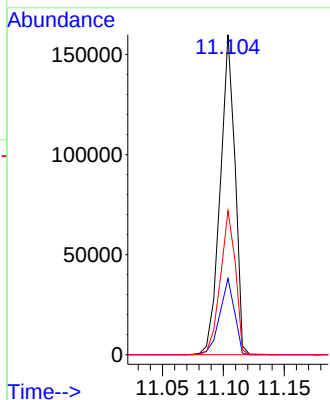
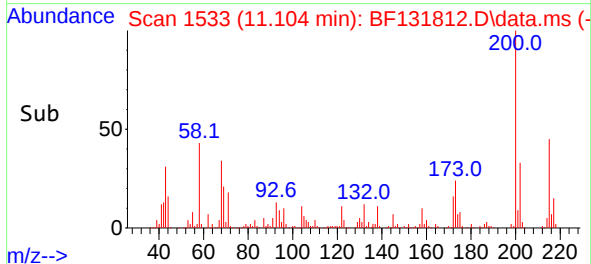
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



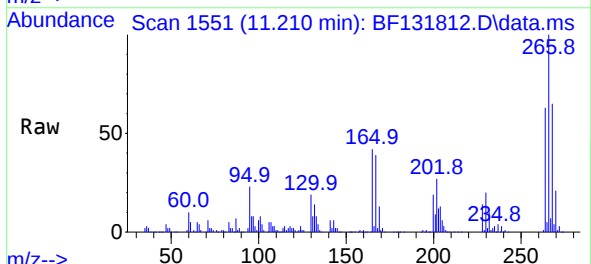
Tgt Ion:200 Resp: 13526
Ion Ratio Lower Upper
200 100
173 23.8 2.7 42.7
215 45.0 26.4 66.4

Manual Integrations
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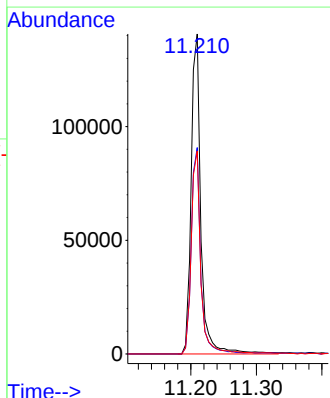
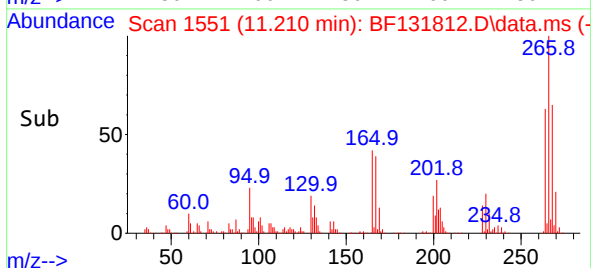
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

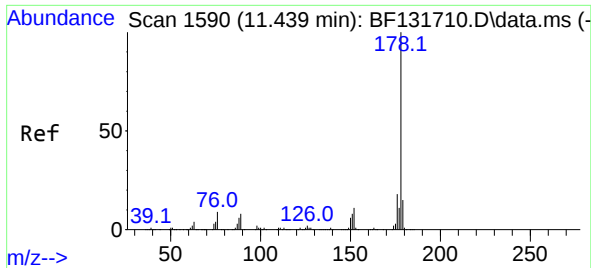


#70
Pentachlorophenol
Concen: 68.385 ng
RT: 11.210 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:266 Resp: 144990
Ion Ratio Lower Upper
266 100
268 64.5 52.2 78.4
264 63.5 52.0 78.0





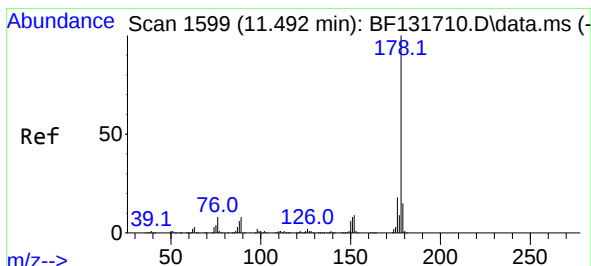
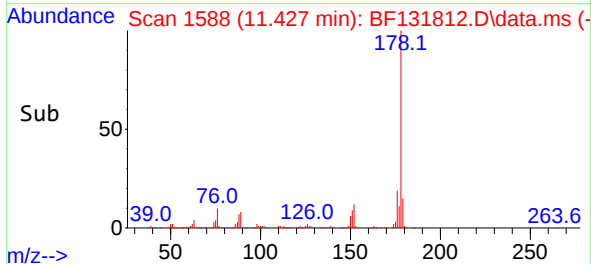
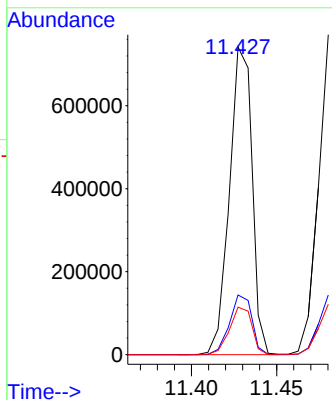
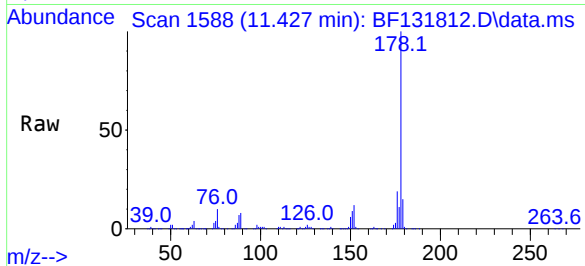
#71
Phenanthrene
Concen: 40.835 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :
BNA_F
ClientSampleId :
SP-591MSD

Tgt Ion:178 Resp: 684770
Ion Ratio Lower Upper
178 100
176 19.4 14.8 22.2
179 15.4 12.2 18.4

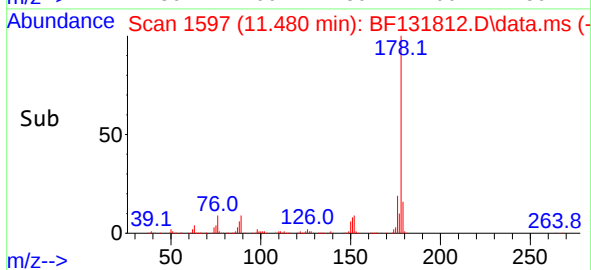
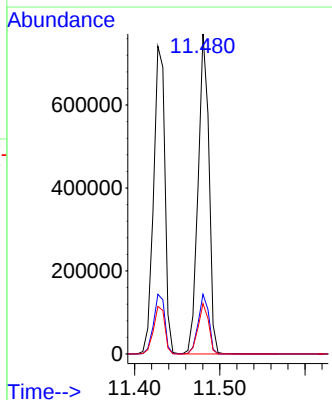
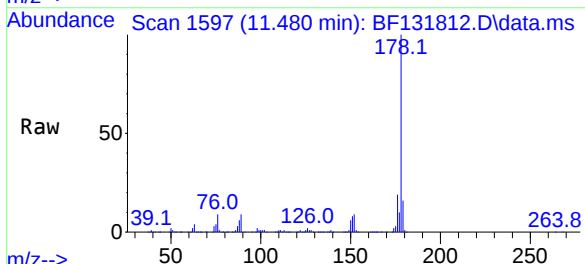
Manual Integrations
APPROVED

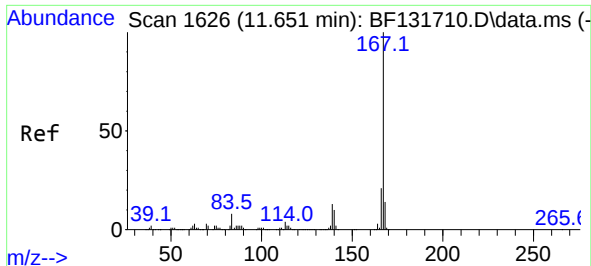
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#72
Anthracene
Concen: 41.574 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

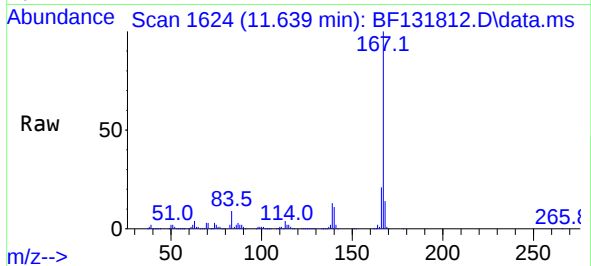
Tgt Ion:178 Resp: 682623
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.8 12.2 18.4





#73
Carbazole
Concen: 43.207 ng
RT: 11.639 min Scan# 1624
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

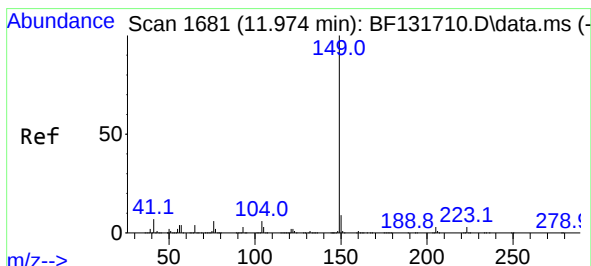
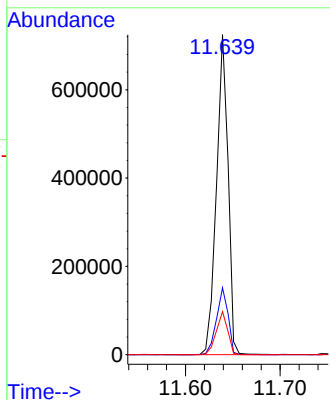
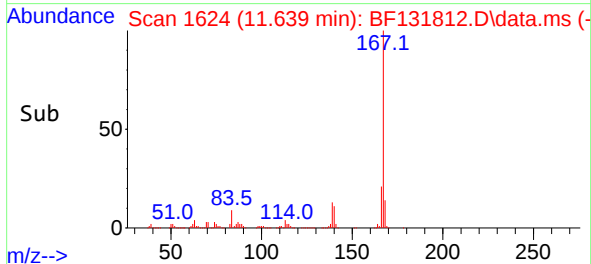
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



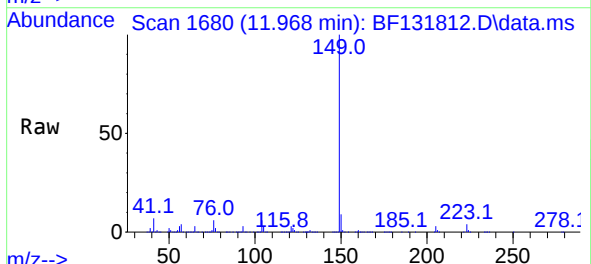
Tgt Ion:167 Resp: 613780
Ion Ratio Lower Upper
167 100
166 20.9 17.1 25.7
139 13.4 10.5 15.7

Manual Integrations
APPROVED

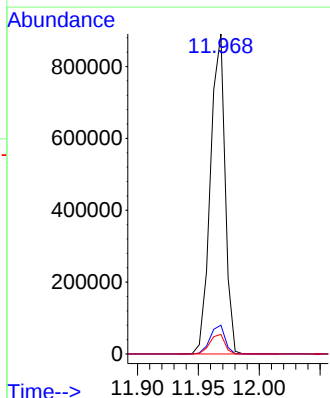
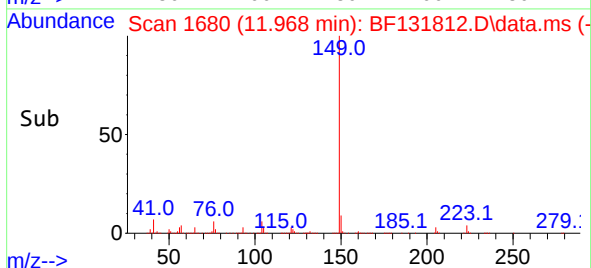
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

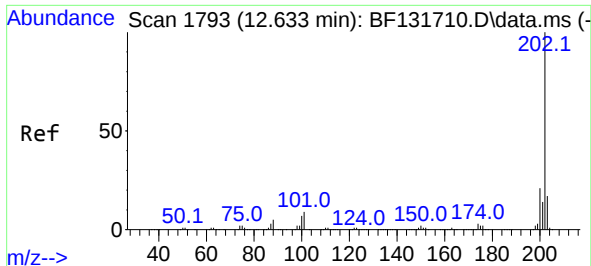


#74
Di-n-butylphthalate
Concen: 41.959 ng
RT: 11.968 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:149 Resp: 742201
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 6.1 5.0 7.4





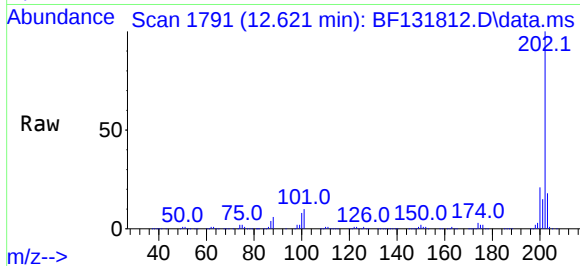
#75
Fluoranthene
Concen: 37.758 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

SP-591MSD

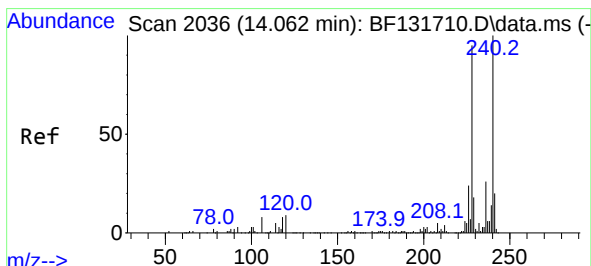
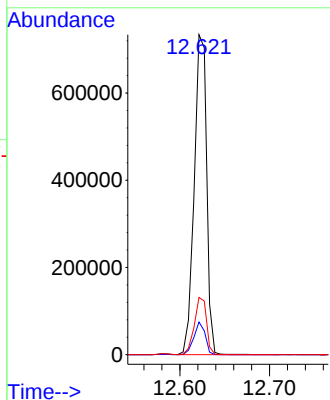
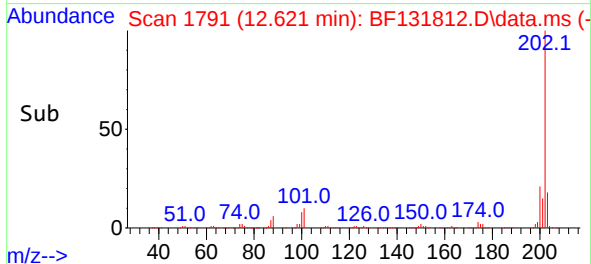


Tgt Ion:202 Resp: 705160
Ion Ratio Lower Upper
202 100
101 10.2 0.0 28.8
203 17.9 0.0 37.1

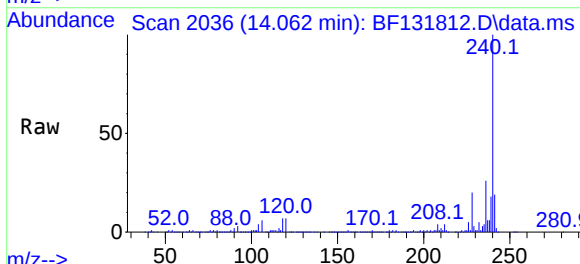
Manual Integrations

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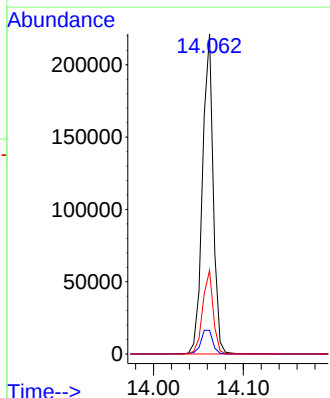
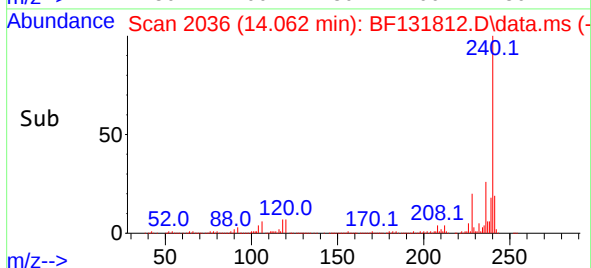
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

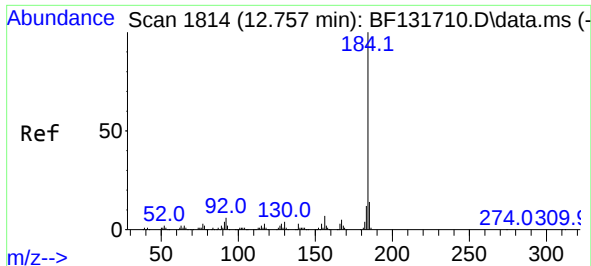


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:240 Resp: 183343
Ion Ratio Lower Upper
240 100
120 7.4 7.6 11.4#
236 26.1 21.2 31.8





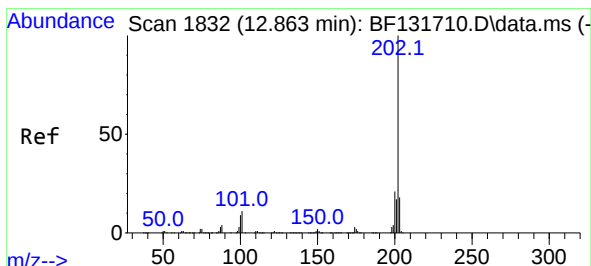
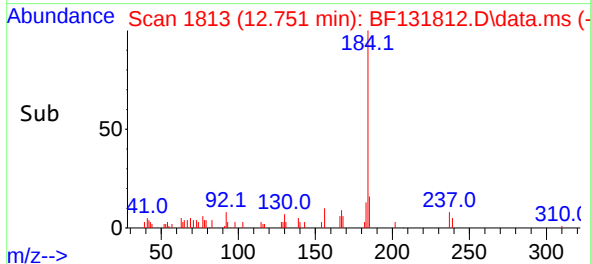
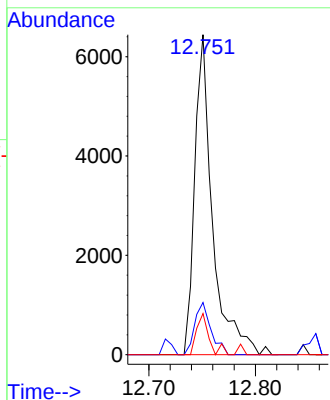
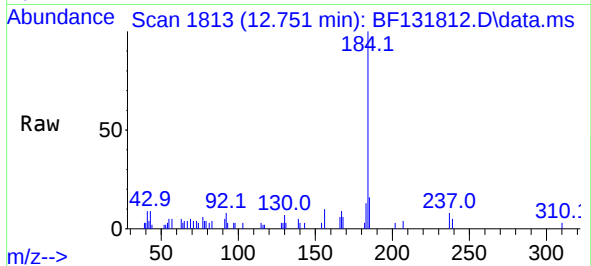
#77
Benzidine
Concen: 2.239 ng
RT: 12.751 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :
BNA_F
ClientSampleId :
SP-591MSD

Tgt Ion:184 Resp: 7520
Ion Ratio Lower Upper
184 100
185 16.3 11.3 16.9
183 12.9 9.3 13.9

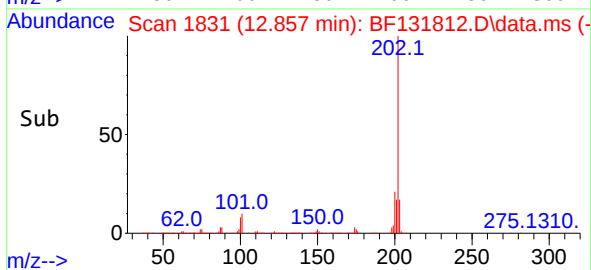
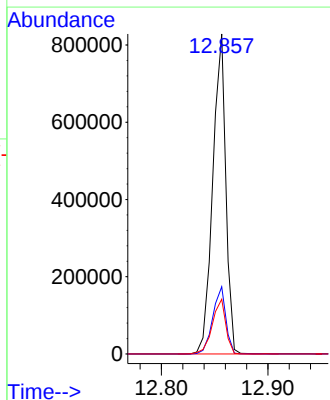
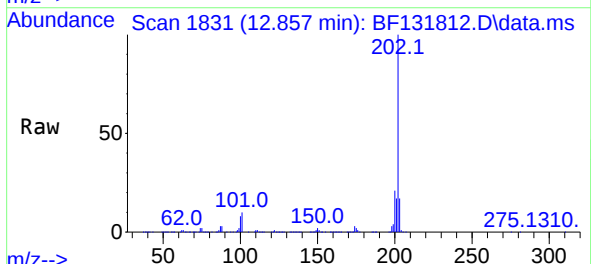
Manual Integrations
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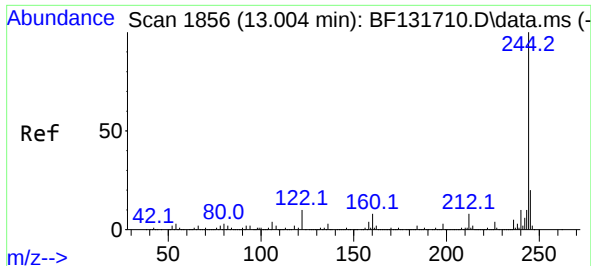
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#78
Pyrene
Concen: 42.245 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

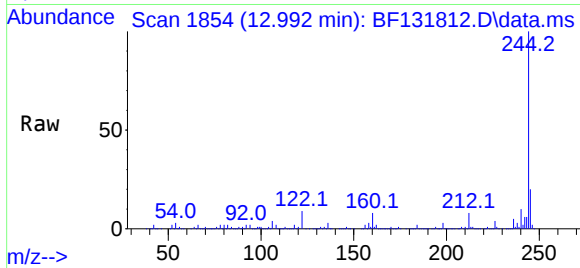
Tgt Ion:202 Resp: 704191
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 17.1 14.1 21.1





#79
Terphenyl-d14
Concen: 44.625 ng
RT: 12.992 min Scan# 1856
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

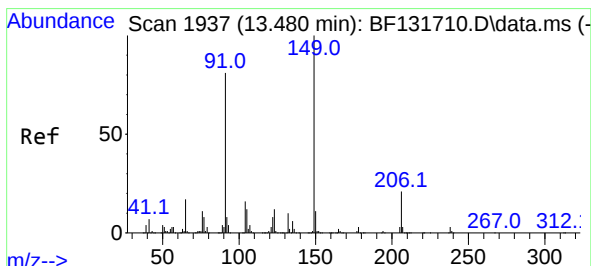
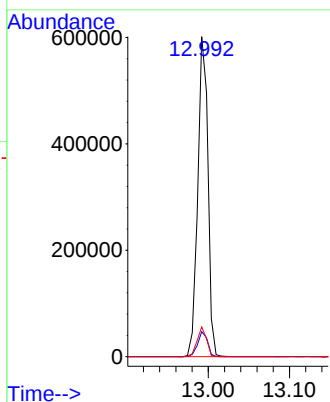
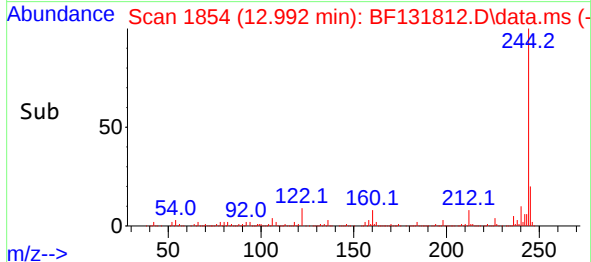
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



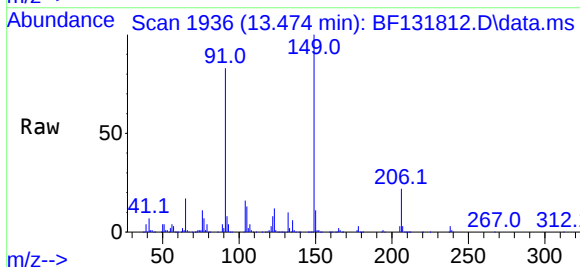
Tgt Ion:244 Resp: 524958
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 9.3 7.7 11.5

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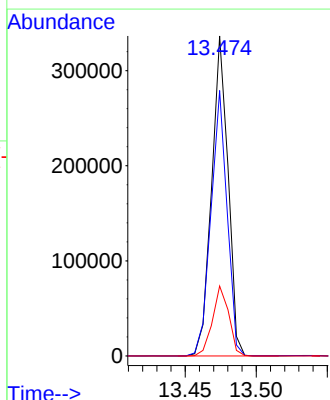
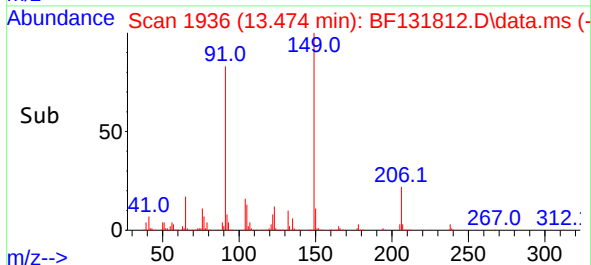
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

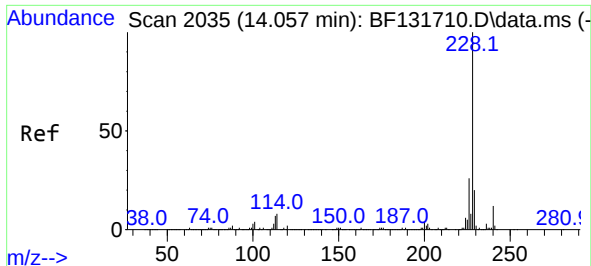


#80
Butylbenzylphthalate
Concen: 45.952 ng
RT: 13.474 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



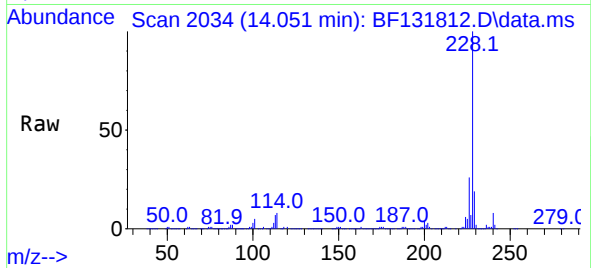
Tgt Ion:149 Resp: 270159
Ion Ratio Lower Upper
149 100
91 83.0 64.9 97.3
206 21.9 17.0 25.4





#81
Benzo(a)anthracene
Concen: 37.978 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

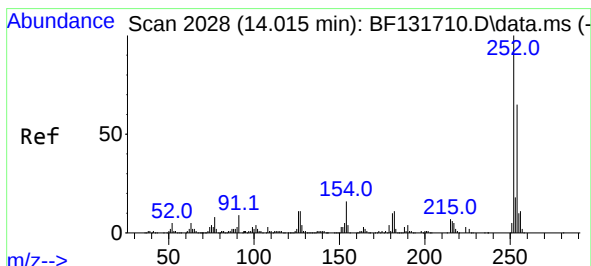
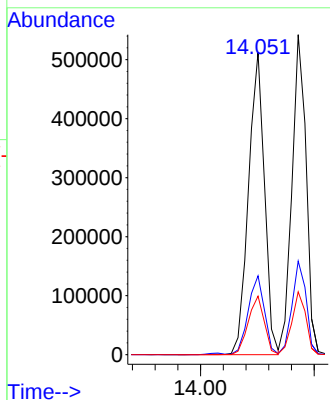
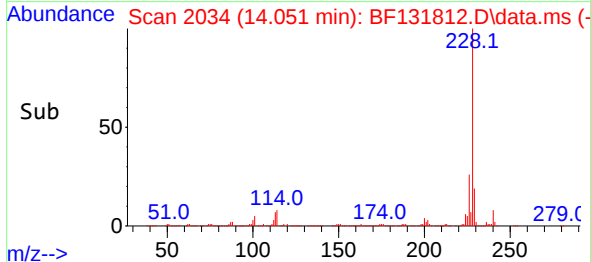
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



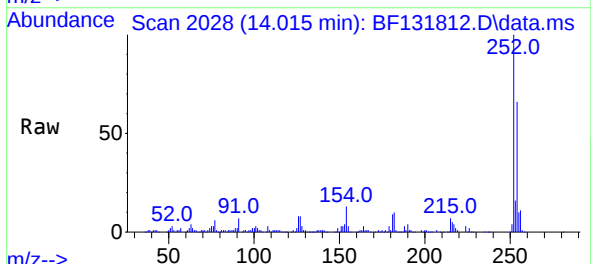
Tgt Ion:228 Resp: 50148
Ion Ratio Lower Upper
228 100
226 26.1 21.0 31.4
229 19.4 15.8 23.8

Manual Integrations
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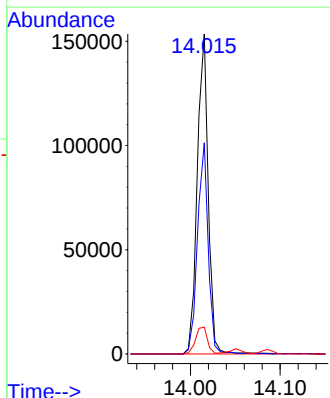
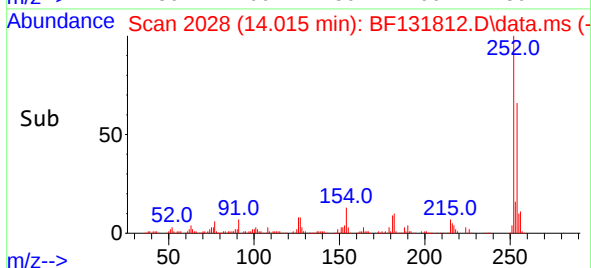
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

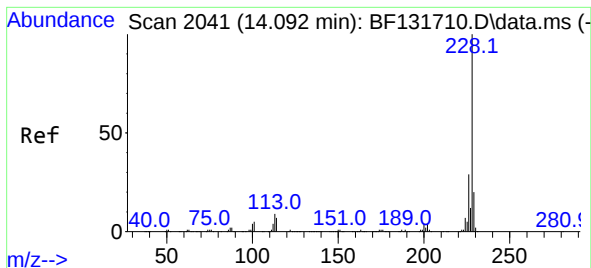


#82
3,3'-Dichlorobenzidine
Concen: 35.326 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:252 Resp: 130232
Ion Ratio Lower Upper
252 100
254 66.0 52.1 78.1
126 8.4 8.4 12.6





#83

Chrysene

Concen: 37.556 ng

RT: 14.086 min Scan# 2040

Delta R.T. -0.012 min

Lab File: BF131812.D

Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

SP-591MSD

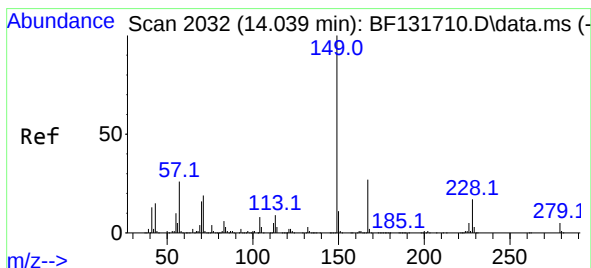
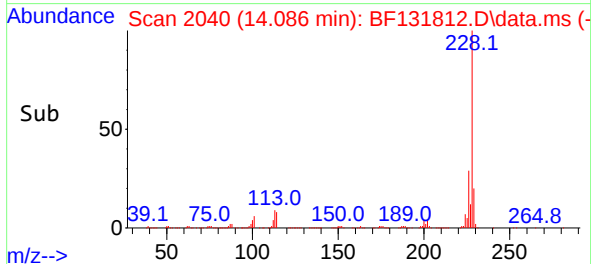
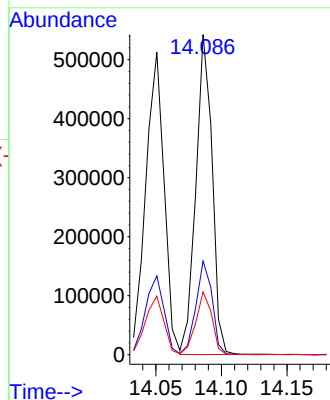
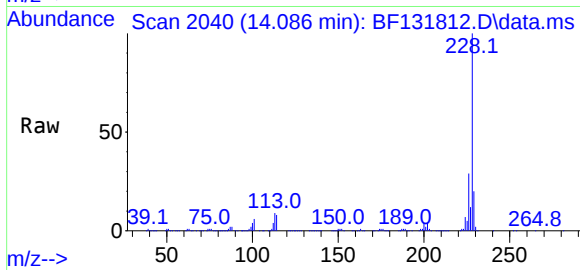
Tgt Ion:228 Resp: 468060

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.5	35.3
229	19.6	15.6	23.4

Manual Integrations

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Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.064 ng

RT: 14.033 min Scan# 2031

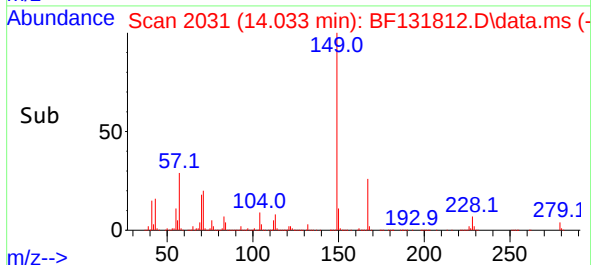
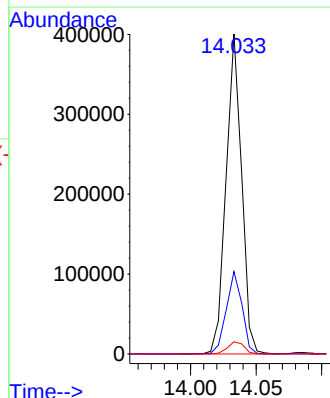
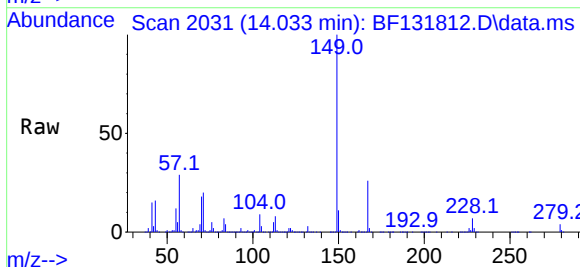
Delta R.T. -0.006 min

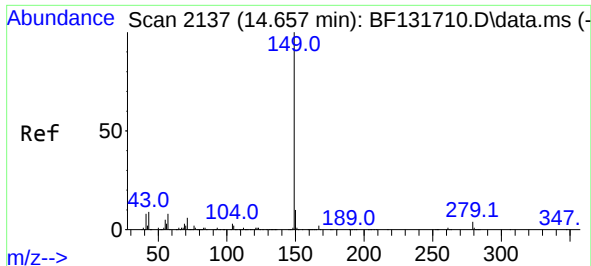
Lab File: BF131812.D

Acq: 23 Dec 2022 18:20

Tgt Ion:149 Resp: 329941

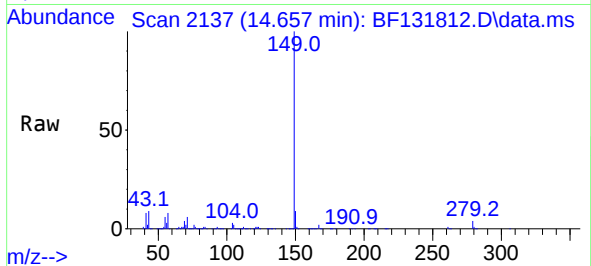
Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.7	32.5
279	3.8	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 49.432 ng
RT: 14.657 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

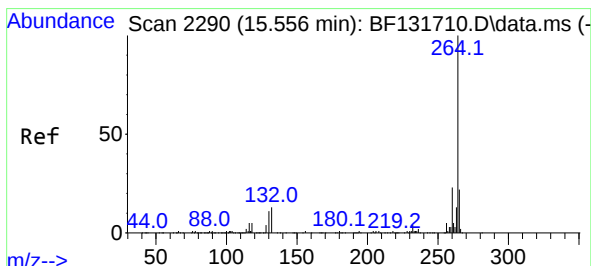
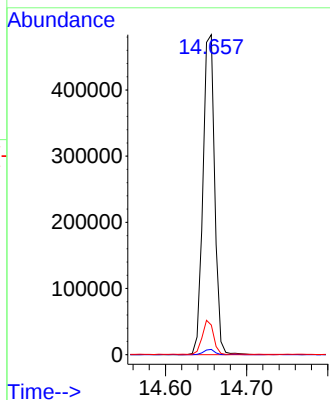
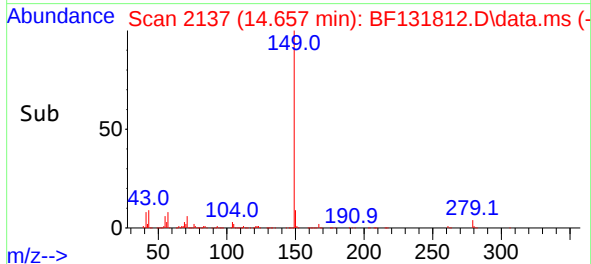
Instrument :
BNA_F
ClientSampleId :
SP-591MSD



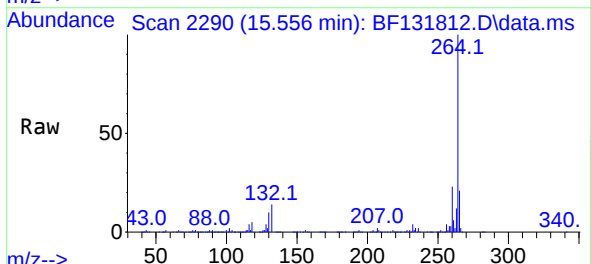
Tgt Ion:149 Resp: 48374
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 10.1 8.3 12.5

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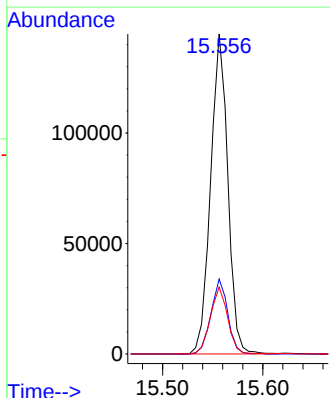
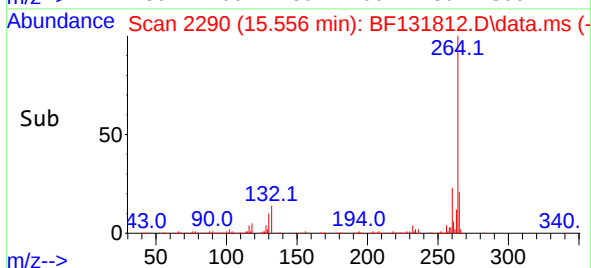
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

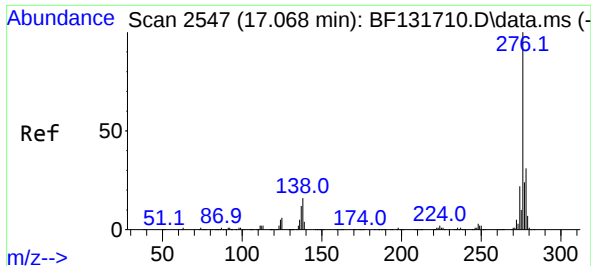


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:264 Resp: 172859
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 20.9 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 42.682 ng
 RT: 17.074 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF131812.D
 Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

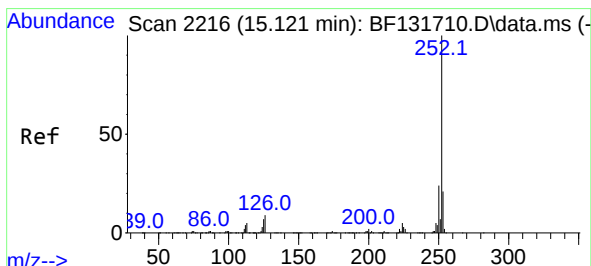
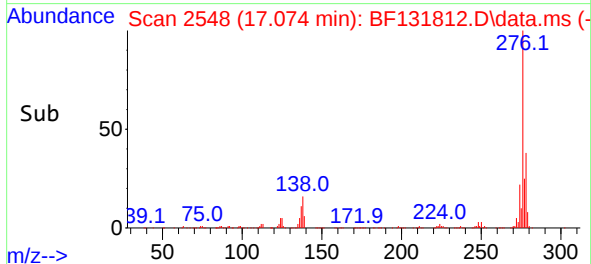
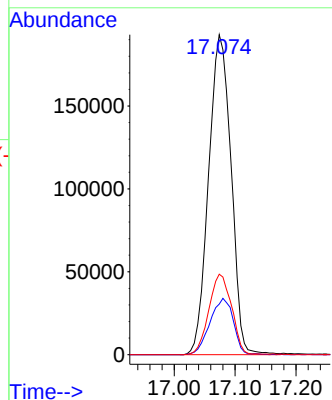
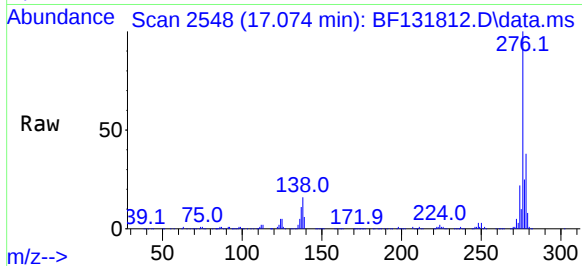
ClientSampleId :

SP-591MSD

Tgt Ion:276 Resp: 49556
 Ion Ratio Lower Upper
 276 100
 138 18.4 14.4 21.6
 277 25.5 19.8 29.8

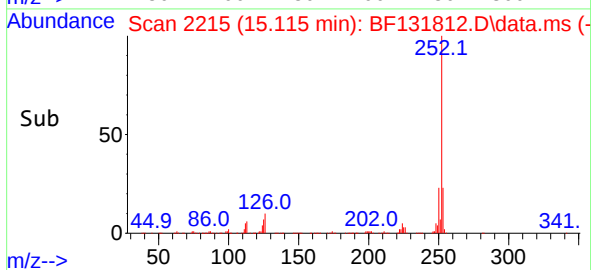
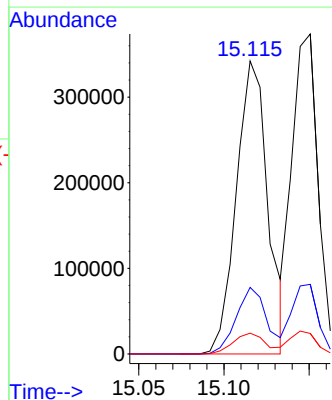
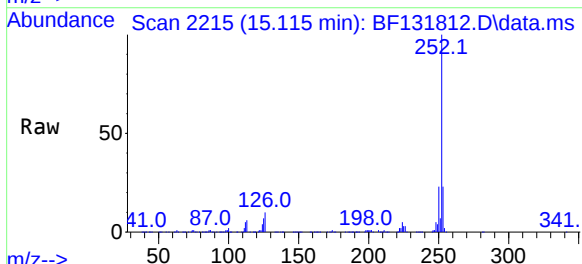
Manual Integrations
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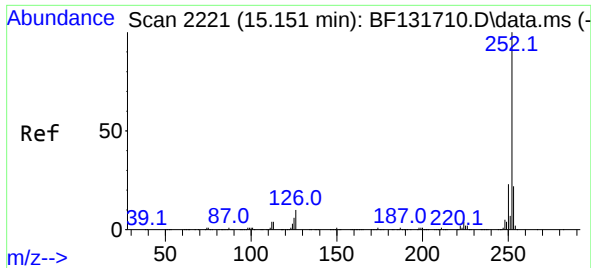
Reviewed By :Christian Giraldo 12/24/2022
 Supervised By :Jagrut Upadhyay 12/24/2022



#88
 Benzo(b)fluoranthene
 Concen: 36.063 ng
 RT: 15.115 min Scan# 2215
 Delta R.T. -0.012 min
 Lab File: BF131812.D
 Acq: 23 Dec 2022 18:20

Tgt Ion:252 Resp: 441036
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.2 25.8
 125 7.1 5.5 8.3





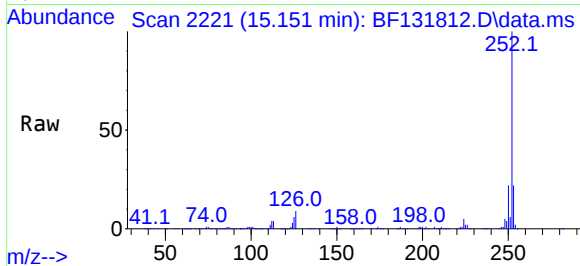
#89
Benzo(k)fluoranthene
Concen: 33.445 ng
RT: 15.151 min Scan# 2221
Delta R.T. -0.006 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

SP-591MSD

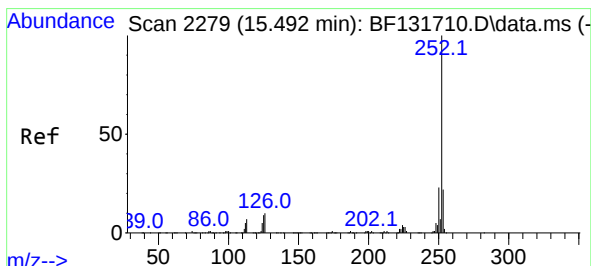
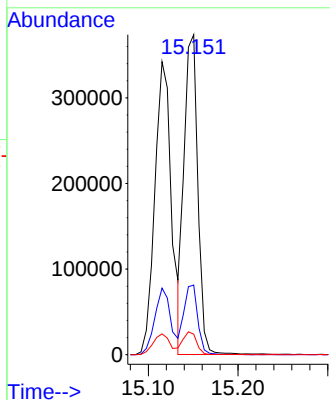
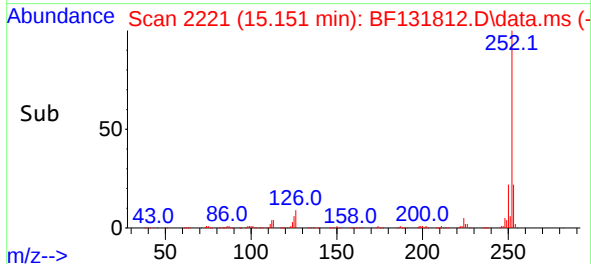


Tgt Ion:252 Resp: 399110
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 6.4 5.2 7.8

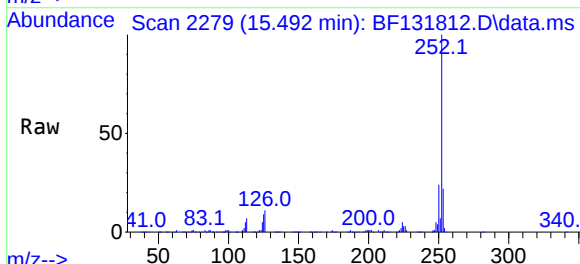
Manual Integrations

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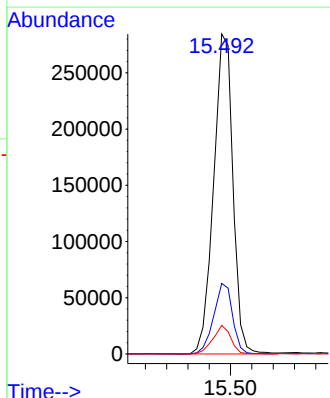
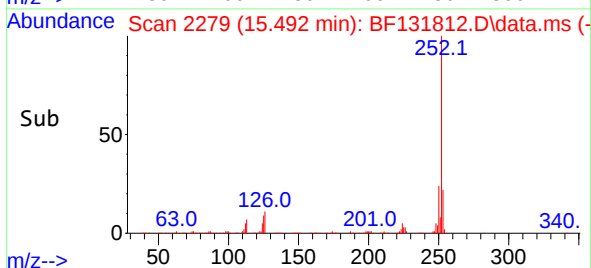
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

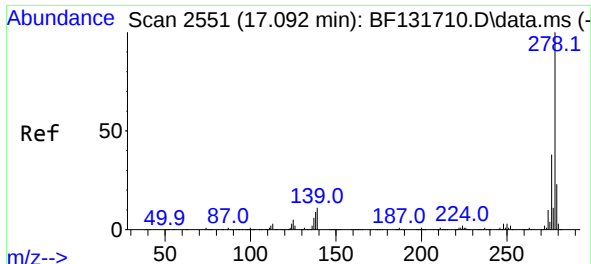


#90
Benzo(a)pyrene
Concen: 36.885 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20



Tgt Ion:252 Resp: 357311
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 8.9 7.0 10.4





#91
Dibenzo(a,h)anthracene
Concen: 43.872 ng
RT: 17.092 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Instrument :

BNA_F

ClientSampleId :

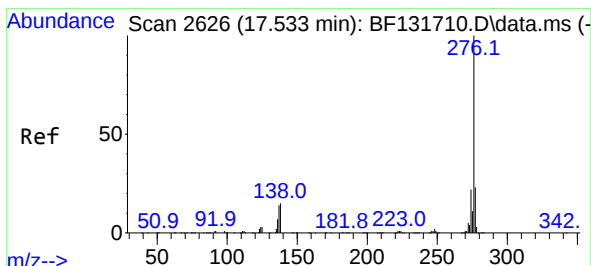
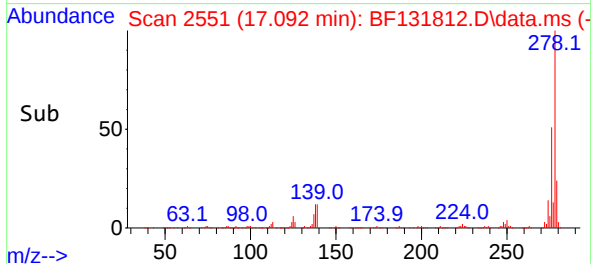
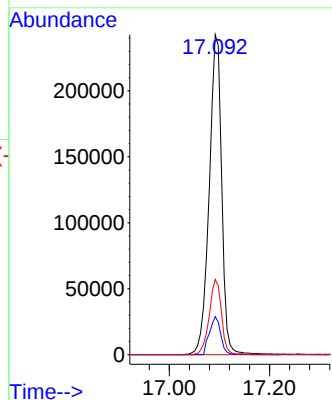
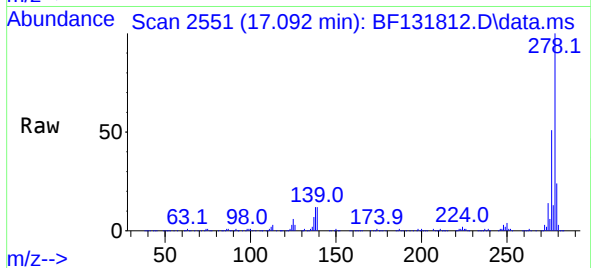
SP-591MSD

Tgt Ion:278 Resp: 420954
Ion Ratio Lower Upper
278 100
139 11.9 8.7 13.1
279 23.5 18.7 28.1

Manual Integrations

APPROVED

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#92
Benzo(g,h,i)perylene
Concen: 43.709 ng
RT: 17.533 min Scan# 2626
Delta R.T. -0.018 min
Lab File: BF131812.D
Acq: 23 Dec 2022 18:20

Tgt Ion:276 Resp: 414522
Ion Ratio Lower Upper
276 100
277 24.2 18.3 27.5
138 16.5 12.3 18.5

