

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141692.D
 Acq On : 19 Feb 2025 23:36
 Operator : RC/JU
 Sample : Q1383-09MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-15-021725MSD

Quant Time: Feb 20 00:17:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	92518	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	366969	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	197029	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	324047	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	182126	20.000	ng	-0.02
86) Perylene-d12	15.380	264	184442	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	482935	81.835	ng	0.00
7) Phenol-d6	6.422	99	599239	80.340	ng	-0.02
23) Nitrobenzene-d5	7.346	82	383045	54.443	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	163279	82.496	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	757166	59.206	ng	-0.02
79) Terphenyl-d14	12.880	244	746397	69.185	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.558	88	98323	41.396	ng	98
3) Pyridine	3.287	79	223994	39.631	ng	96
4) n-Nitrosodimethylamine	3.240	42	134812	36.022	ng	90
6) Aniline	6.446	93	202029	28.875	ng	89
8) 2-Chlorophenol	6.569	128	266578	41.805	ng	100
9) Benzaldehyde	6.334	77	114851	28.976	ng	97
10) Phenol	6.440	94	320456	41.279	ng	91
11) bis(2-Chloroethyl)ether	6.516	93	248407	42.601	ng	99
12) 1,3-Dichlorobenzene	6.722	146	276012	41.000	ng	98
13) 1,4-Dichlorobenzene	6.798	146	280350	40.760	ng	99
14) 1,2-Dichlorobenzene	6.951	146	272235	42.645	ng	98
15) Benzyl Alcohol	6.928	79	217510	38.028	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	383738	38.445	ng	80
17) 2-Methylphenol	7.046	107	207532	41.589	ng	97
18) Hexachloroethane	7.293	117	105367	41.393	ng	96
19) n-Nitroso-di-n-propyla...	7.198	70	180218	40.393	ng	94
20) 3+4-Methylphenols	7.198	107	266930	42.091	ng	95
22) Acetophenone	7.193	105	401643	43.999	ng	94
24) Nitrobenzene	7.363	77	274339	39.987	ng	99
25) Isophorone	7.604	82	479529	42.746	ng	98
26) 2-Nitrophenol	7.681	139	142298	41.689	ng	95
27) 2,4-Dimethylphenol	7.722	122	209060	52.429	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	300963	41.868	ng	99
29) 2,4-Dichlorophenol	7.928	162	222878	41.368	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	236959	40.389	ng	99
31) Naphthalene	8.087	128	762787	39.932	ng	100
32) Benzoic acid	7.863	122	141292	34.113	ng	97
33) 4-Chloroaniline	8.145	127	55428	8.311	ng	98
34) Hexachlorobutadiene	8.198	225	146983	41.731	ng	99
35) Caprolactam	8.510	113	77310m	47.129	ng	
36) 4-Chloro-3-methylphenol	8.634	107	234396	39.276	ng	98
37) 2-Methylnaphthalene	8.775	142	480748	38.675	ng	100
38) 1-Methylnaphthalene	8.875	142	471566	39.169	ng	99
40) 1,2,4,5-Tetrachloroben...	8.940	216	264210	46.350	ng	99
41) Hexachlorocyclopentadiene	8.928	237	236493	124.735	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	152030	41.266	ng	100

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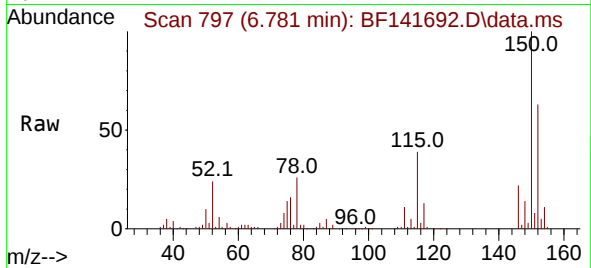
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	162026	40.580	ng	98
46) 1,1'-Biphenyl	9.239	154	696564	45.601	ng	100
47) 2-Chloronaphthalene	9.263	162	473246	41.896	ng	99
48) 2-Nitroaniline	9.363	65	151507	39.967	ng	97
49) Acenaphthylene	9.675	152	727750	43.316	ng	99
50) Dimethylphthalate	9.539	163	558426	41.749	ng	99
51) 2,6-Dinitrotoluene	9.604	165	123354	42.186	ng	98
52) Acenaphthene	9.851	154	453211	40.125	ng	99
53) 3-Nitroaniline	9.775	138	65330	20.758	ng	99
54) 2,4-Dinitrophenol	9.892	184	113421	65.266	ng	89
55) Dibenzofuran	10.022	168	657047	39.631	ng	99
56) 4-Nitrophenol	9.957	139	172225	73.719	ng	92
57) 2,4-Dinitrotoluene	10.010	165	165457	42.505	ng	100
58) Fluorene	10.363	166	520245	40.584	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	135825	39.512	ng	96
60) Diethylphthalate	10.239	149	534039	40.580	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	254861	41.326	ng	98
62) 4-Nitroaniline	10.392	138	120000	37.551	ng	97
63) Azobenzene	10.516	77	537934	41.117	ng	95
65) 4,6-Dinitro-2-methylph...	10.422	198	82626	36.706	ng	91
66) n-Nitrosodiphenylamine	10.475	169	452194	43.593	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	158474	43.757	ng	99
68) Hexachlorobenzene	10.910	284	164312	44.060	ng	99
69) Atrazine	11.004	200	170819	54.892	ng	99
70) Pentachlorophenol	11.110	266	152772	64.066	ng	98
71) Phenanthrene	11.328	178	759629	42.586	ng	100
72) Anthracene	11.381	178	777263	43.348	ng	100
73) Carbazole	11.533	167	648416	40.189	ng	99
74) Di-n-butylphthalate	11.863	149	802925	43.100	ng	100
75) Fluoranthene	12.510	202	712981	37.702	ng	100
77) Benzidine	12.639	184	252977	62.982	ng	99
78) Pyrene	12.739	202	709190	45.743	ng	99
80) Butylbenzylphthalate	13.357	149	269709	50.224	ng	99
81) Benzo(a)anthracene	13.927	228	507165	41.892	ng	100
82) 3,3'-Dichlorobenzidine	13.892	252	107206	30.913	ng	99
83) Chrysene	13.963	228	476035	42.585	ng	99
84) Bis(2-ethylhexyl)phtha...	13.916	149	334366	55.207	ng	99
85) Di-n-octyl phthalate	14.527	149	499782	57.843	ng	97
87) Indeno(1,2,3-cd)pyrene	16.815	276	569511	49.972	ng	99
88) Benzo(b)fluoranthene	14.963	252	453916	36.652	ng	99
89) Benzo(k)fluoranthene	14.992	252	459485	43.450	ng	99
90) Benzo(a)pyrene	15.321	252	448930	44.799	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	463816	50.227	ng	100
92) Benzo(g,h,i)perylene	17.245	276	445339	46.085	ng	100

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141692.D
 Acq: 19 Feb 2025 23:36

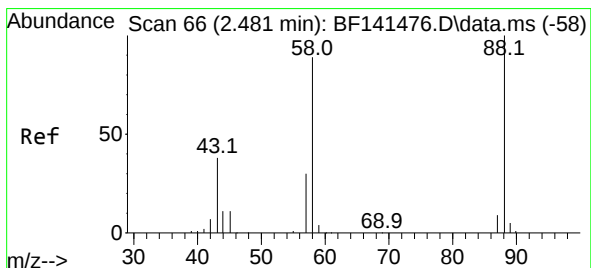
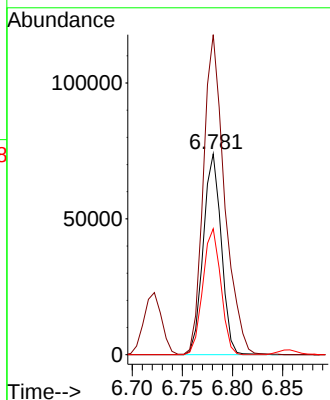
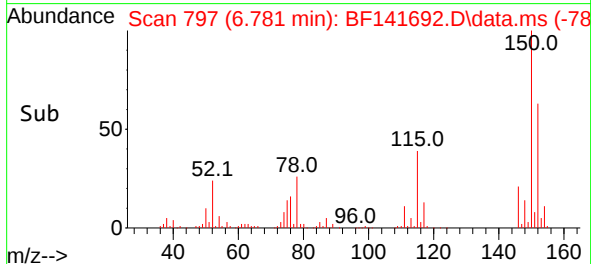
Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-15-021725MSD



Tgt Ion:152 Resp: 92518
 Ion Ratio Lower Upper
 152 100
 150 159.4 125.0 187.4
 115 62.7 53.6 80.4

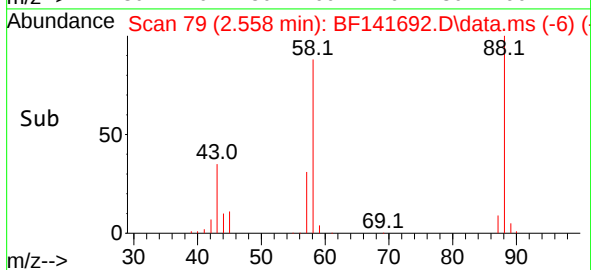
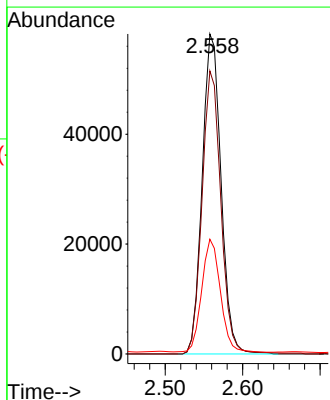
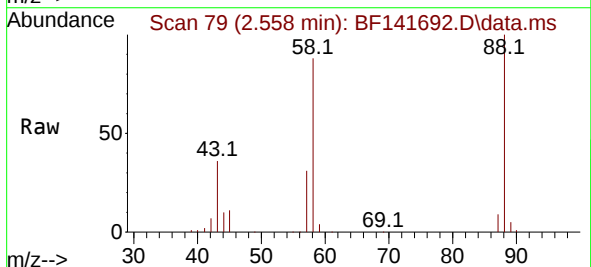
Manual Integrations
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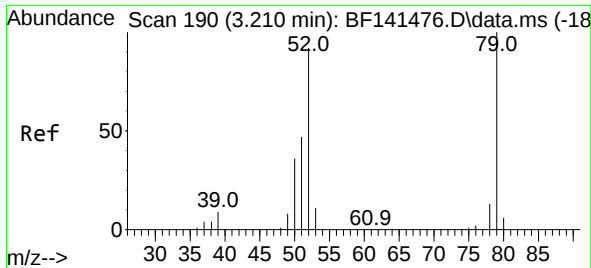
Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#2
 1,4-Dioxane
 Concen: 41.396 ng
 RT: 2.558 min Scan# 79
 Delta R.T. 0.077 min
 Lab File: BF141692.D
 Acq: 19 Feb 2025 23:36

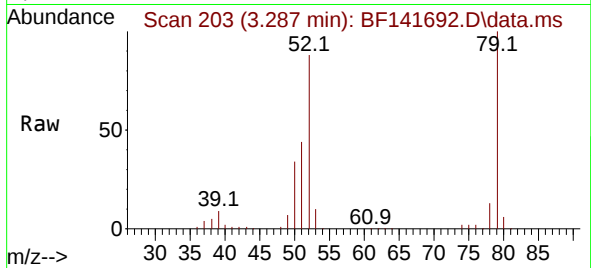
Tgt Ion: 88 Resp: 98323
 Ion Ratio Lower Upper
 88 100
 58 88.7 71.1 106.7
 43 35.0 30.6 46.0





#3
Pyridine
Concen: 39.631 ng
RT: 3.287 min Scan# 20
Delta R.T. 0.071 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

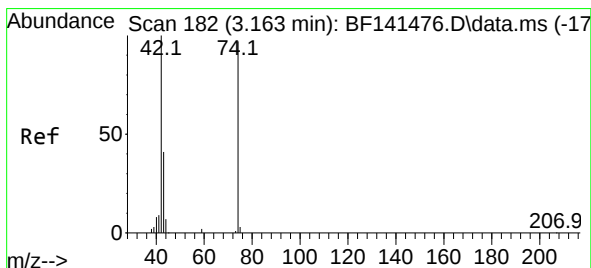
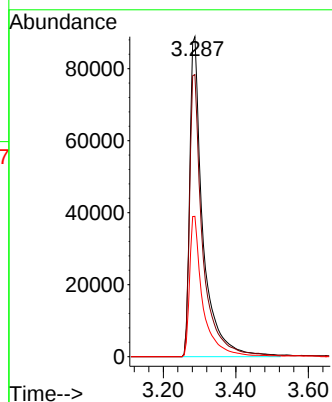
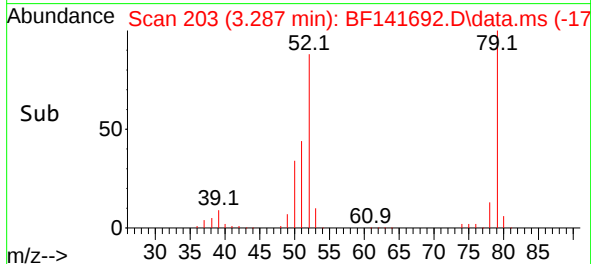
Instrument :
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ClientSampleId :
OU4-PCS-TC-15-021725MSD



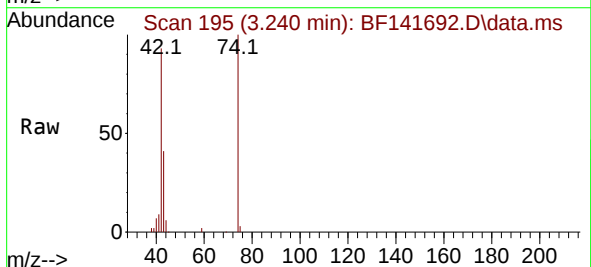
Tgt Ion: 79 Resp: 223994
Ion Ratio Lower Upper
79 100
52 88.2 73.7 110.5
51 43.8 37.5 56.3

Manual Integrations
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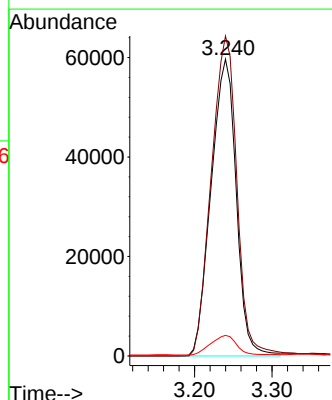
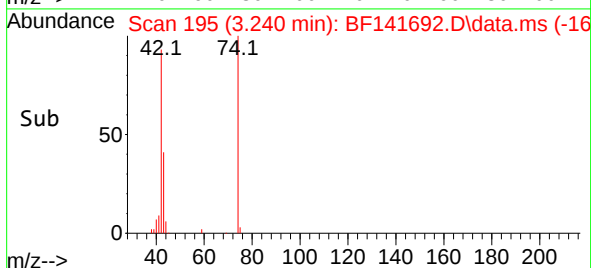
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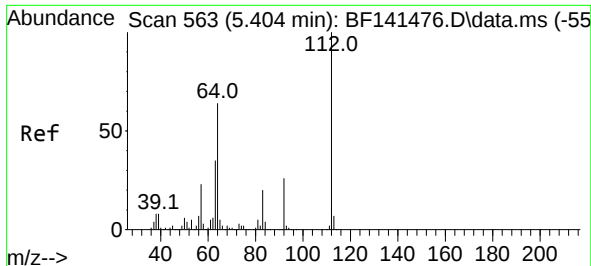


#4
n-Nitrosodimethylamine
Concen: 36.022 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.053 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



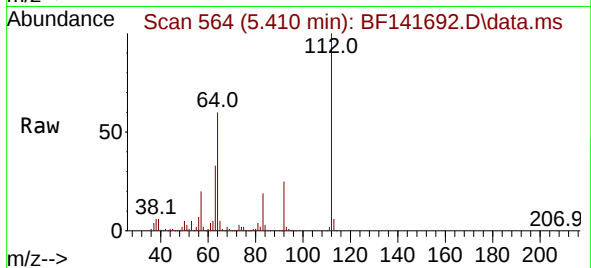
Tgt Ion: 42 Resp: 134812
Ion Ratio Lower Upper
42 100
74 107.8 78.0 117.0
44 7.0 5.4 8.2





#5
2-Fluorophenol
Concen: 81.835 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

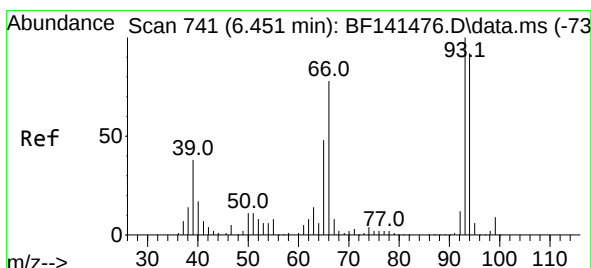
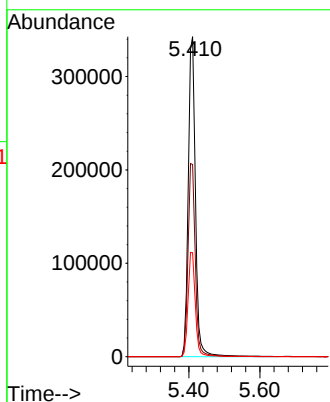
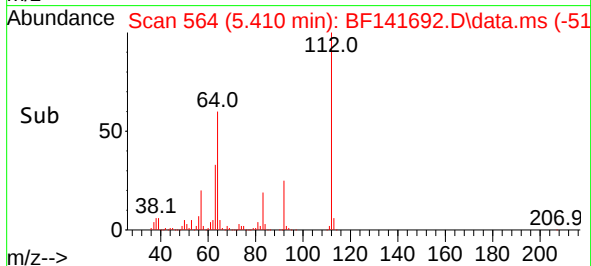
Instrument :
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OU4-PCS-TC-15-021725MSD



Tgt Ion:112 Resp: 482935
Ion Ratio Lower Upper
112 100
64 60.1 51.1 76.7
63 32.5 28.4 42.6

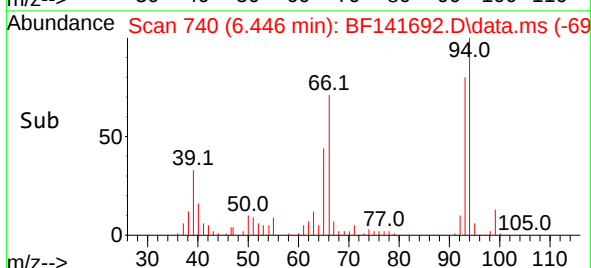
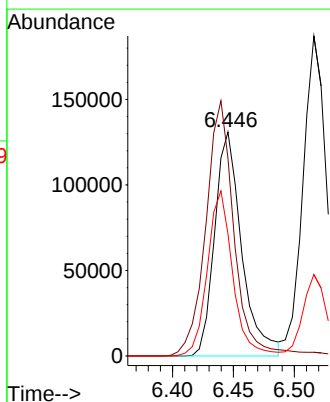
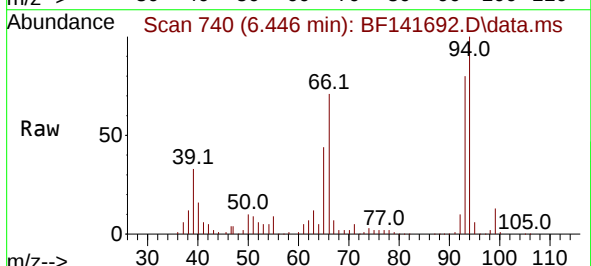
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#6
Aniline
Concen: 28.875 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

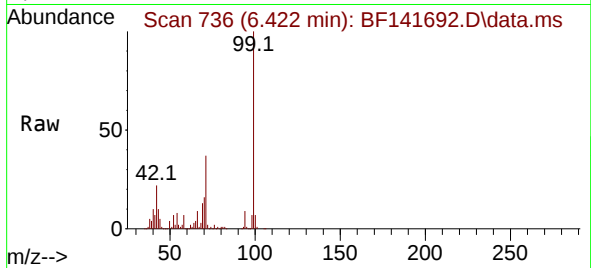
Tgt Ion: 93 Resp: 202029
Ion Ratio Lower Upper
93 100
66 88.3 62.6 94.0
65 54.6 38.3 57.5





#7
Phenol-d6
Concen: 80.340 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

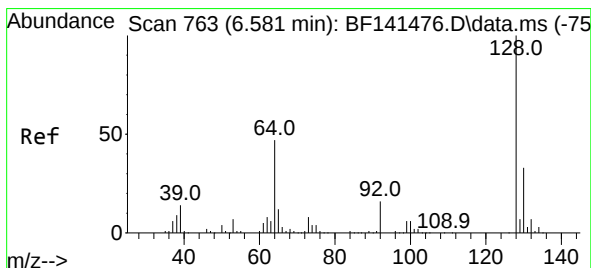
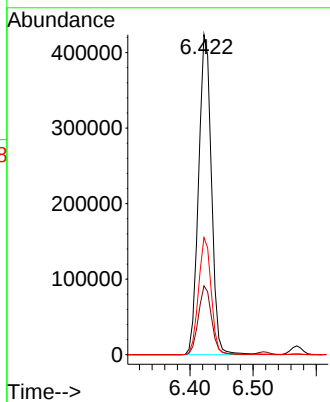
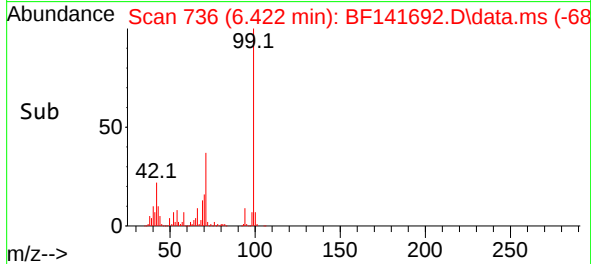
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion: 99 Resp: 599239
Ion Ratio Lower Upper
99 100
42 21.5 19.1 28.7
71 36.6 31.1 46.7

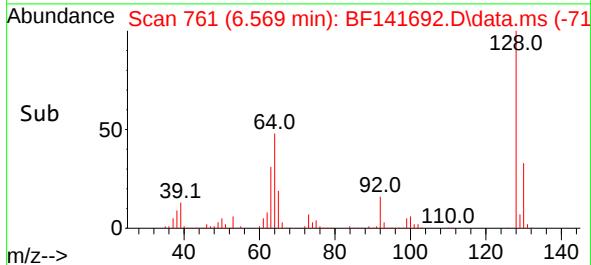
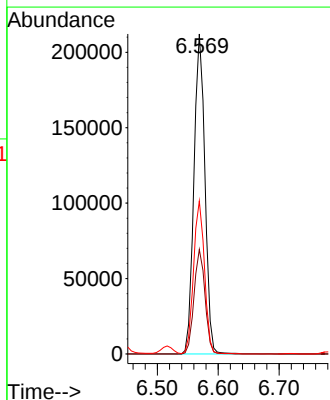
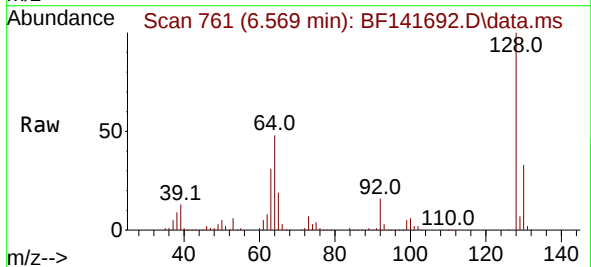
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#8
2-Chlorophenol
Concen: 41.805 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:128 Resp: 266578
Ion Ratio Lower Upper
128 100
130 32.6 12.7 52.7
64 47.8 28.3 68.3





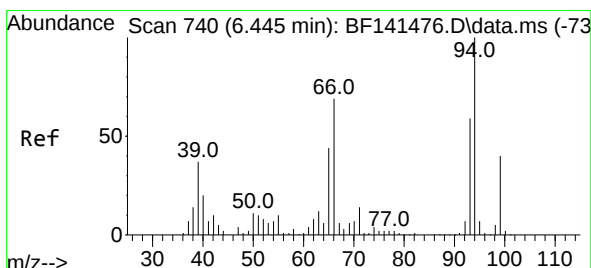
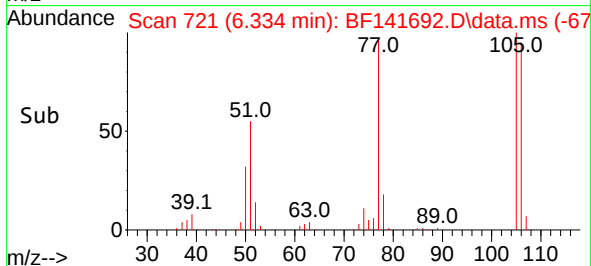
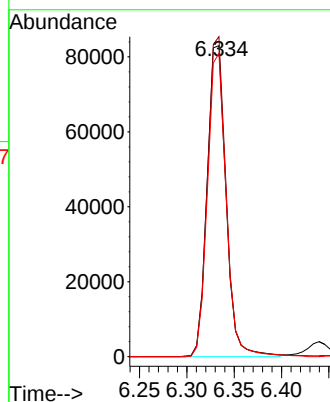
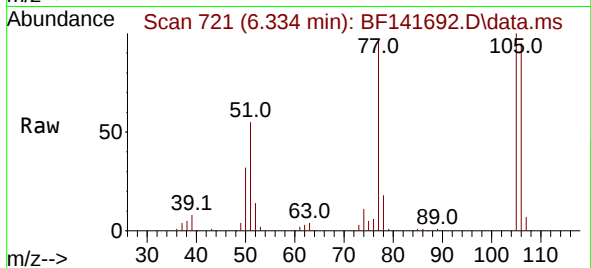
#9
Benzaldehyde
Concen: 28.976 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion: 77 Resp: 11485
Ion Ratio Lower Upper
77 100
105 102.9 79.4 119.4
106 97.6 75.1 115.1

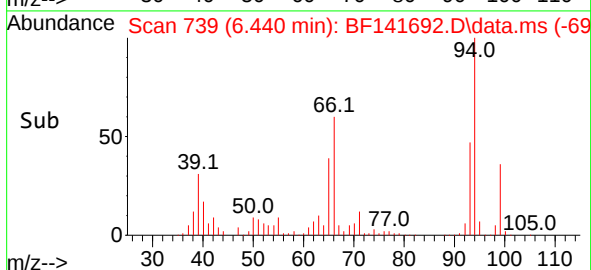
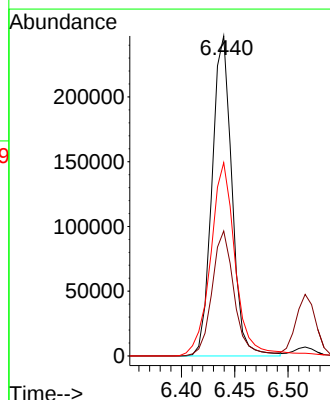
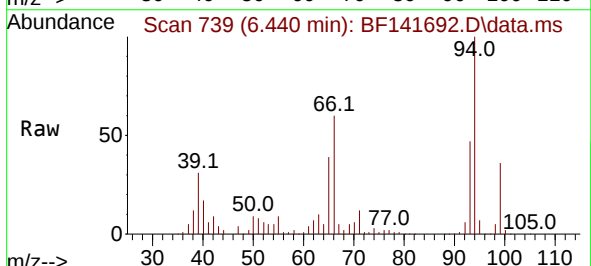
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#10
Phenol
Concen: 41.279 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 94 Resp: 320456
Ion Ratio Lower Upper
94 100
65 39.1 23.7 63.7
66 60.4 49.3 89.3





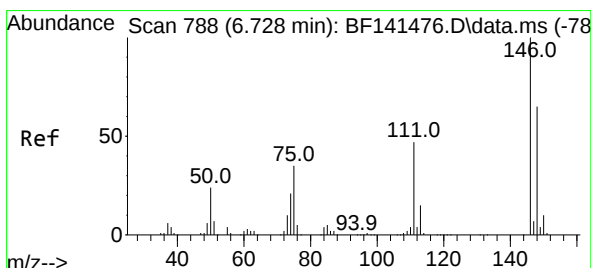
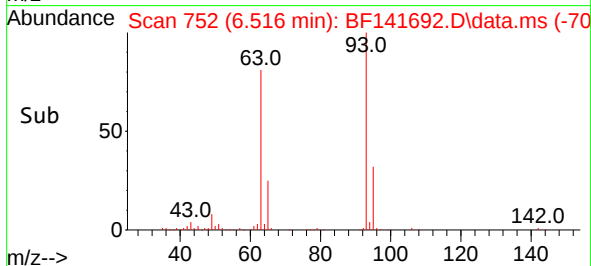
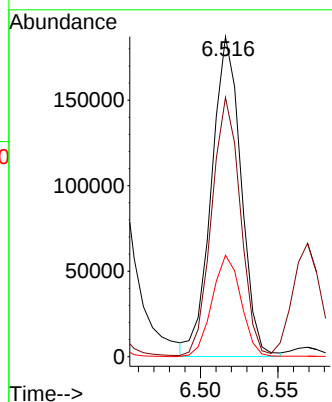
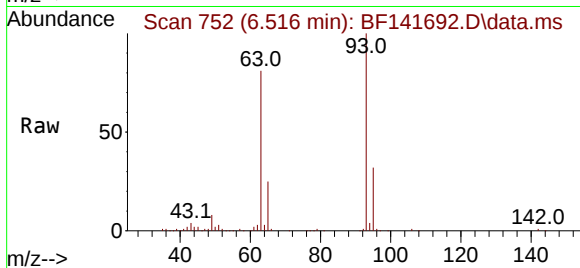
#11
bis(2-Chloroethyl)ether
Concen: 42.601 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion: 93 Resp: 24840
Ion Ratio Lower Upper
93 100
63 81.0 62.0 102.0
95 31.7 12.6 52.6

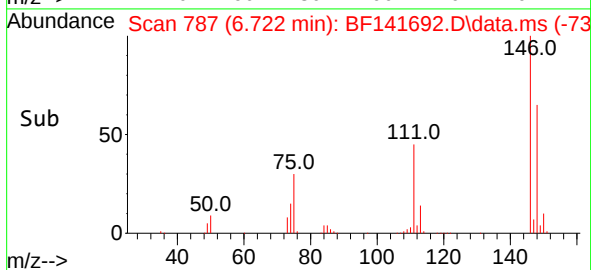
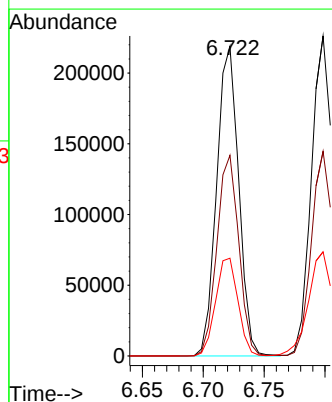
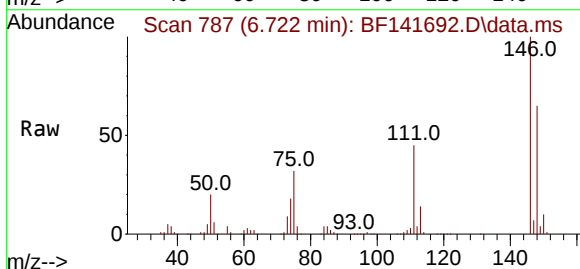
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#12
1,3-Dichlorobenzene
Concen: 41.000 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:146 Resp: 276012
Ion Ratio Lower Upper
146 100
148 64.8 51.9 77.9
75 31.6 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 40.760 ng

RT: 6.798 min Scan# 801

Delta R.T. -0.012 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-15-021725MSD

Tgt Ion:146 Resp: 280350

Ion Ratio Lower Upper

146 100

148 64.0 50.9 76.3

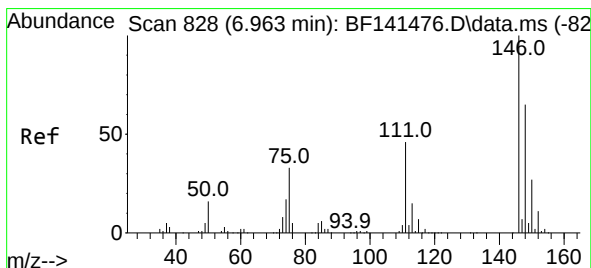
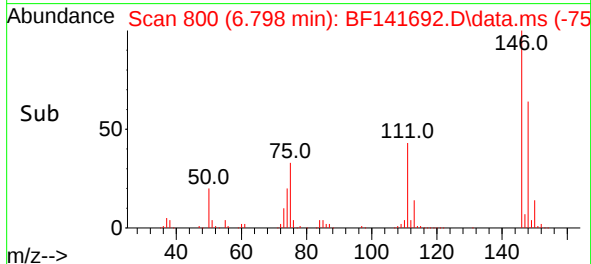
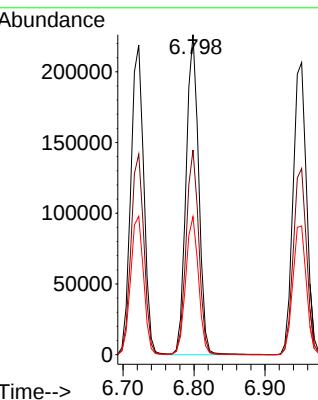
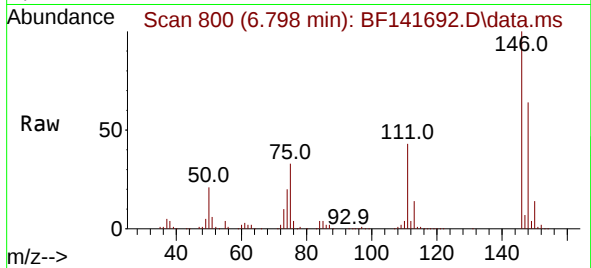
111 43.2 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#14

1,2-Dichlorobenzene

Concen: 42.645 ng

RT: 6.951 min Scan# 826

Delta R.T. -0.012 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

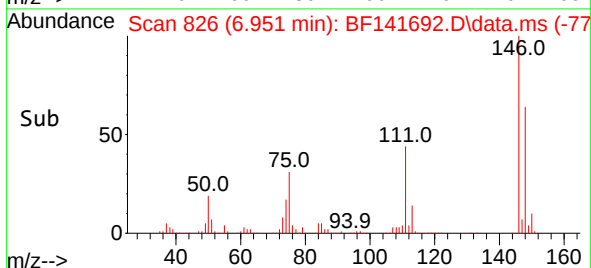
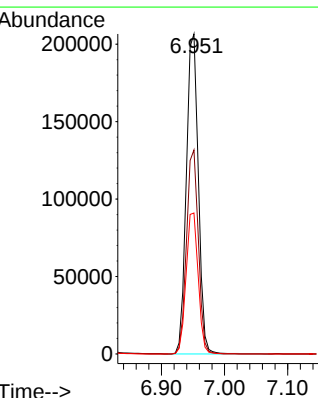
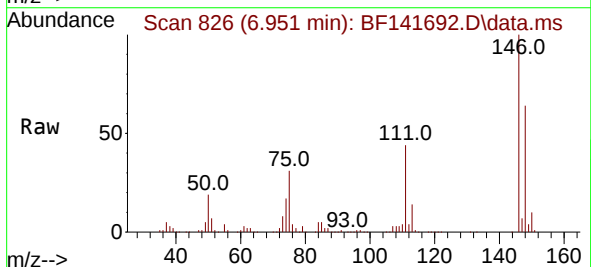
Tgt Ion:146 Resp: 272235

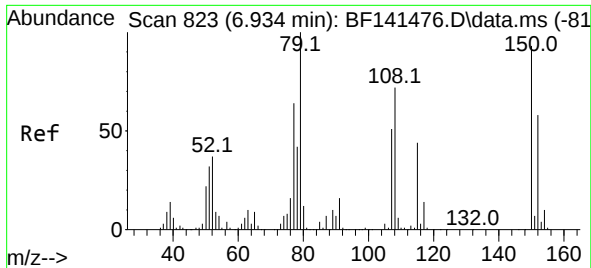
Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

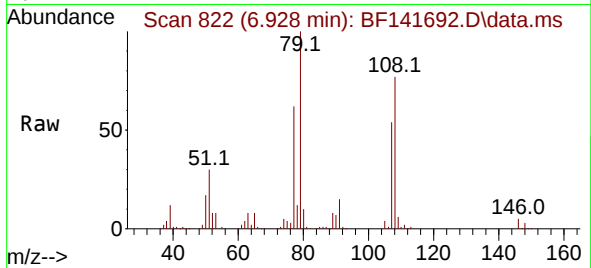
111 44.0 37.0 55.4





#15
Benzyl Alcohol
Concen: 38.028 ng
RT: 6.928 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

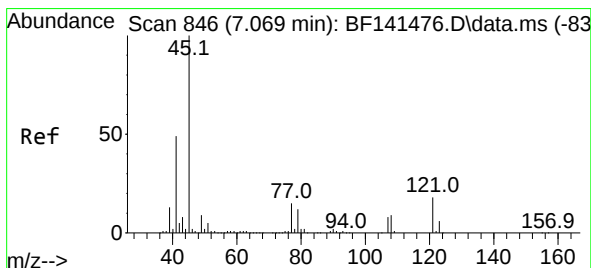
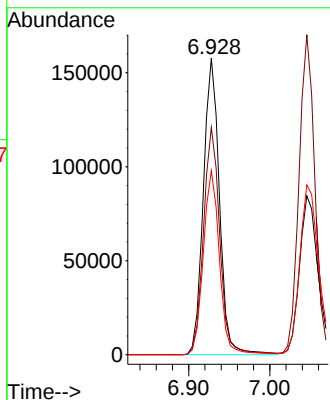
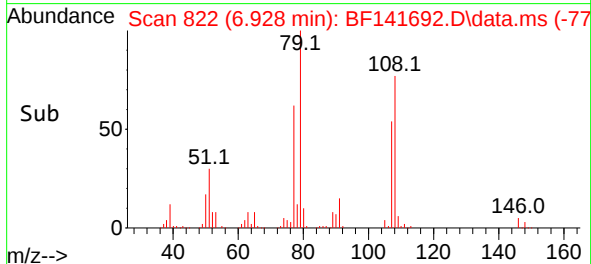
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



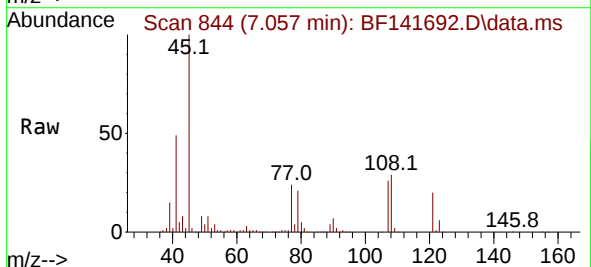
Tgt Ion: 79 Resp: 217510
Ion Ratio Lower Upper
79 100
108 76.6 57.4 86.2
77 62.1 50.9 76.3

Manual Integrations
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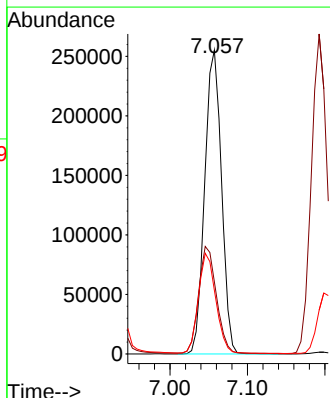
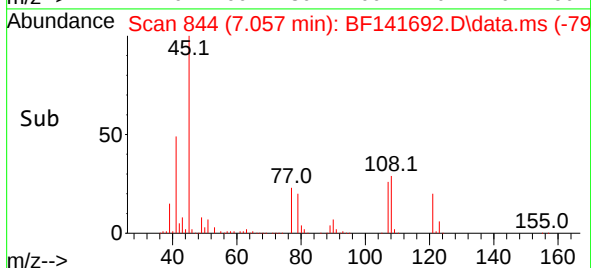
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

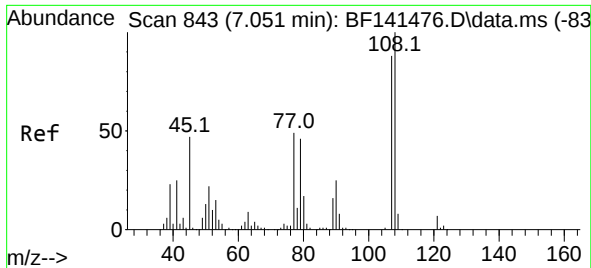


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.445 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



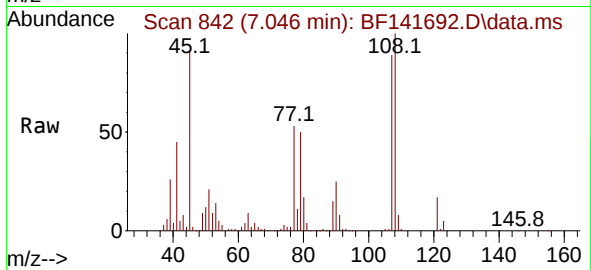
Tgt Ion: 45 Resp: 383738
Ion Ratio Lower Upper
45 100
77 23.8 0.0 35.8
79 21.0 0.0 32.7





#17
2-Methylphenol
Concen: 41.589 ng
RT: 7.046 min Scan# 843
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

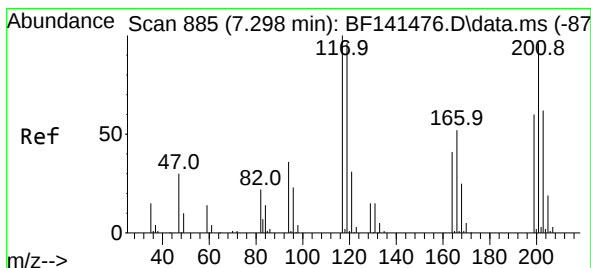
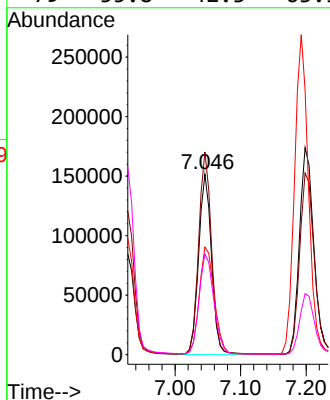
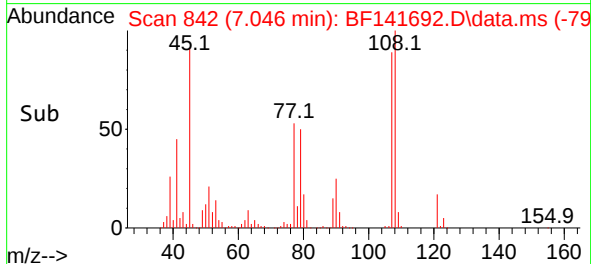
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:107 Resp: 207532
Ion Ratio Lower Upper
107 100
108 112.4 90.6 136.0
77 59.6 44.4 66.6
79 55.8 42.3 63.5

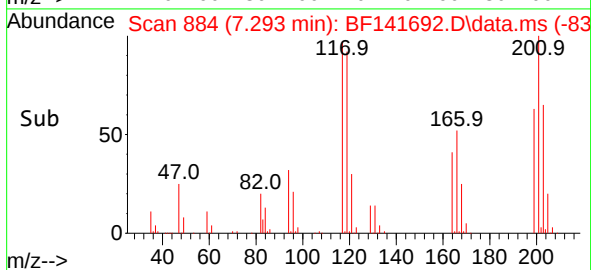
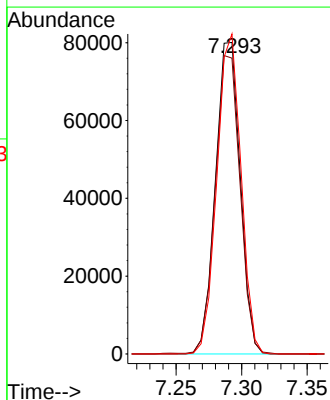
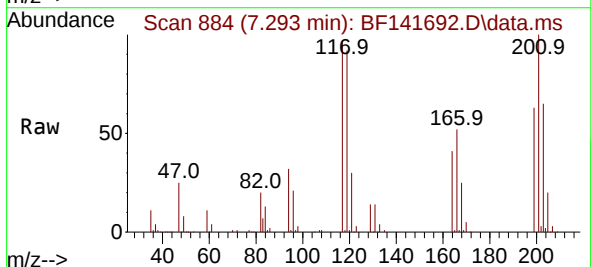
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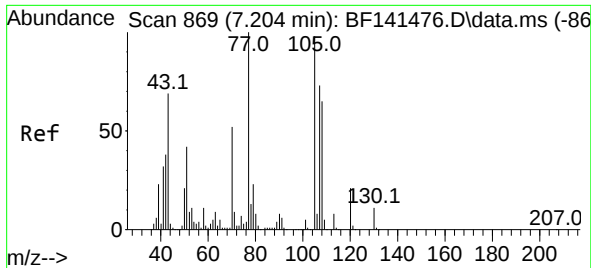
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#18
Hexachloroethane
Concen: 41.393 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

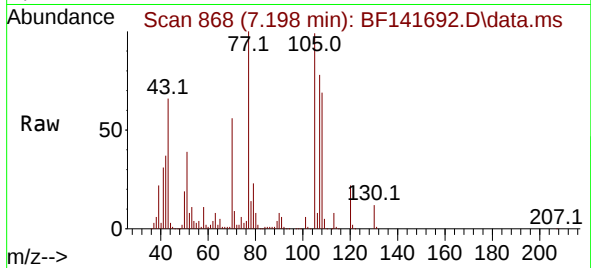
Tgt Ion:117 Resp: 105367
Ion Ratio Lower Upper
117 100
119 95.0 76.5 114.7
201 102.7 76.7 115.1





#19
n-Nitroso-di-n-propylamine
Concen: 40.393 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

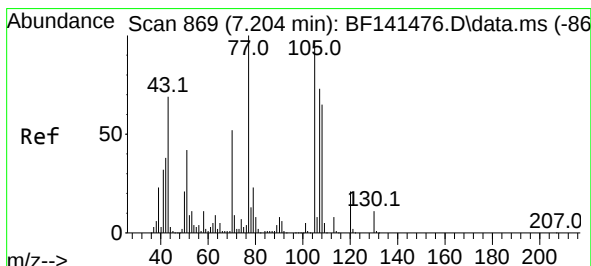
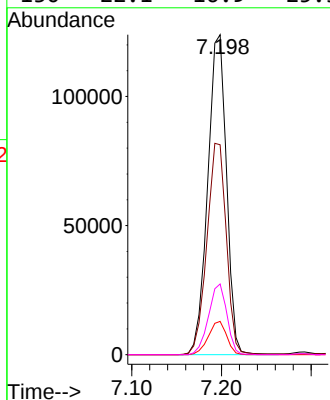
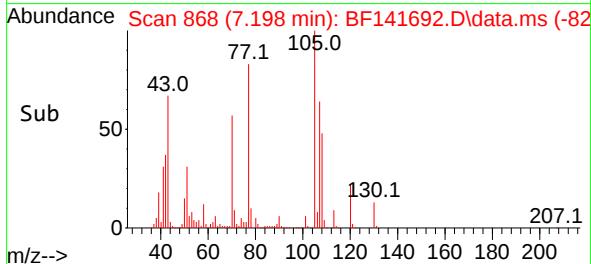
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



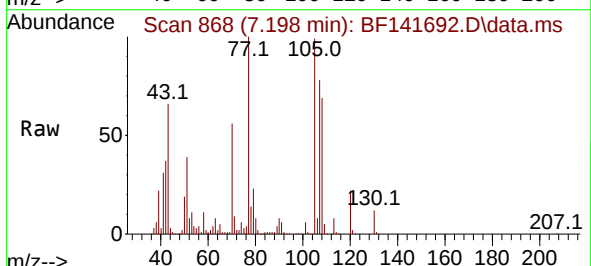
Tgt Ion: 70 Resp: 180218
Ion Ratio Lower Upper
70 100
42 65.6 57.4 86.2
101 10.4 8.0 12.0
130 22.1 16.9 25.3

Manual Integrations
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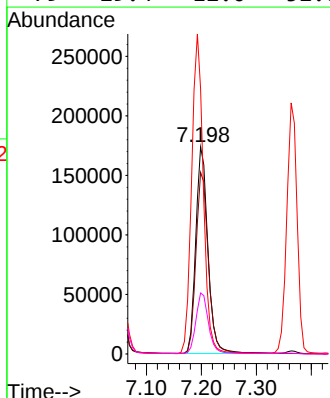
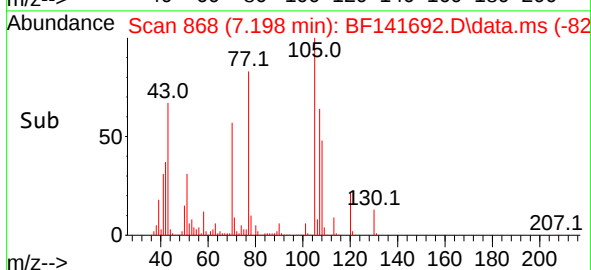
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

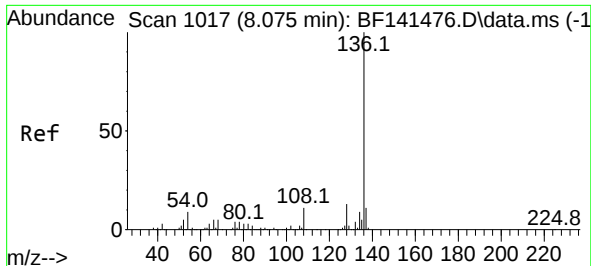


#20
3+4-Methylphenols
Concen: 42.091 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



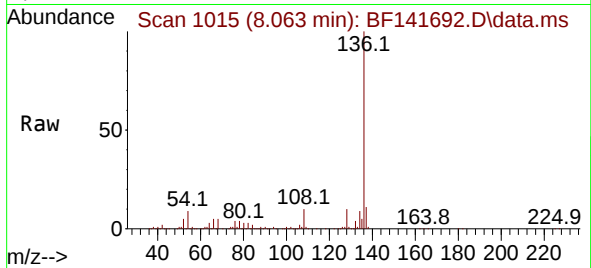
Tgt Ion:107 Resp: 266930
Ion Ratio Lower Upper
107 100
108 87.7 68.5 108.5
77 128.0 116.5 156.5
79 29.4 12.0 52.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

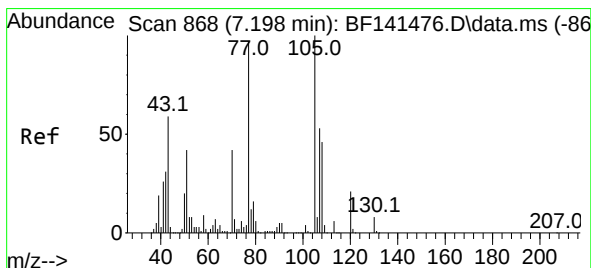
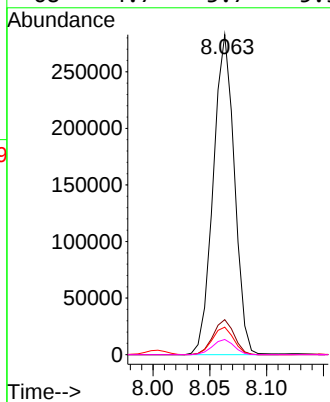
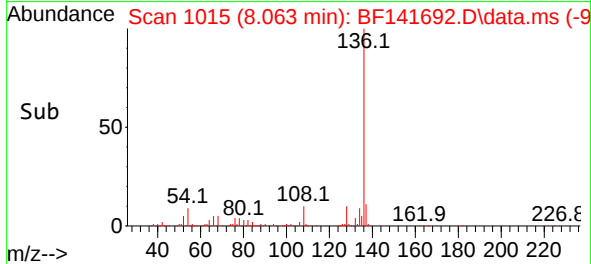
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:136 Resp: 366969
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.6 7.2 10.8
68 4.7 3.7 5.5

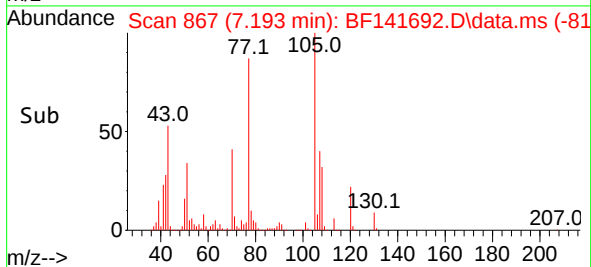
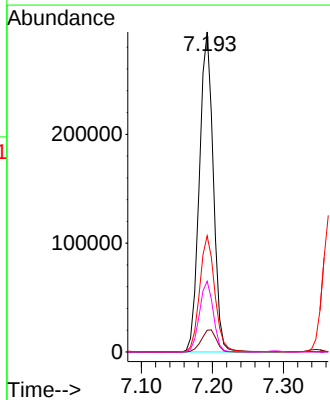
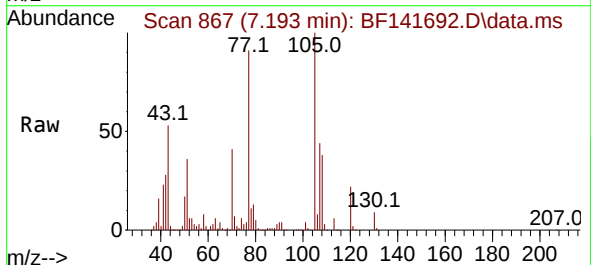
Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#22
Acetophenone
Concen: 43.999 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:105 Resp: 401643
Ion Ratio Lower Upper
105 100
71 6.8 5.7 8.5
51 36.3 33.7 50.5
120 22.1 17.0 25.6





#23

Nitrobenzene-d5

Concen: 54.443 ng

RT: 7.346 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

Instrument :

BNA_F

ClientSampleId :

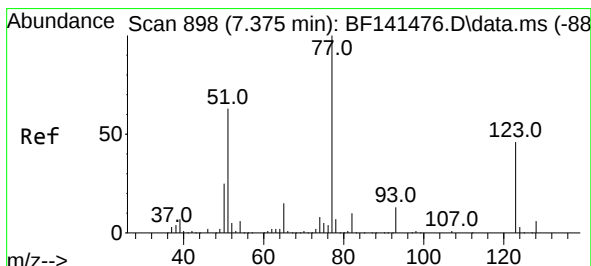
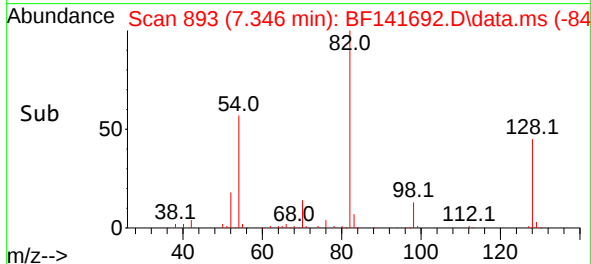
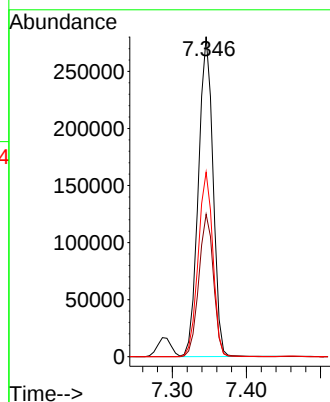
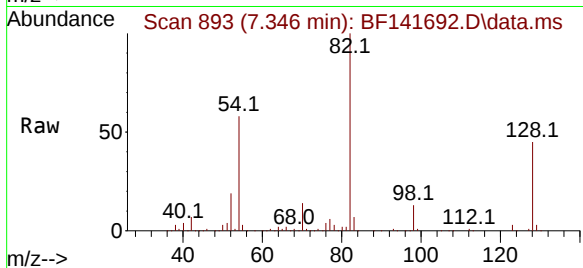
OU4-PCS-TC-15-021725MSD

Tgt Ion: 82 Resp: 383045
 Ion Ratio Lower Upper
 82 100
 128 44.5 34.8 52.2
 54 57.6 48.2 72.4

Manual Integrations

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Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#24

Nitrobenzene

Concen: 39.987 ng

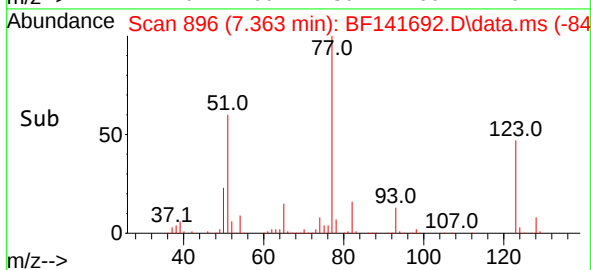
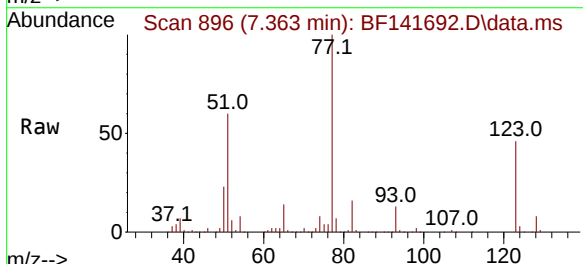
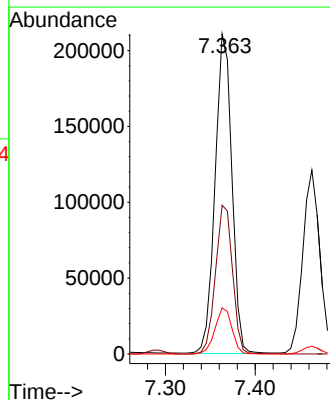
RT: 7.363 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

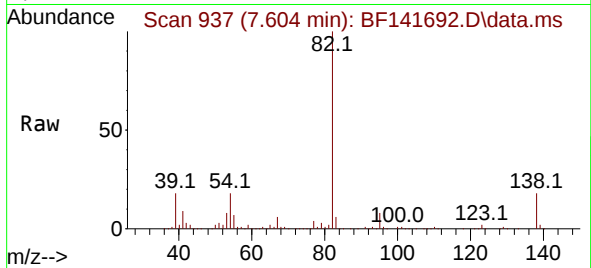
Tgt Ion: 77 Resp: 274339
 Ion Ratio Lower Upper
 77 100
 123 46.5 36.9 55.3
 65 14.4 11.9 17.9





#25
Isophorone
Concen: 42.746 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

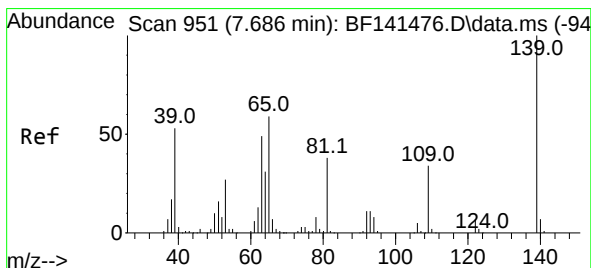
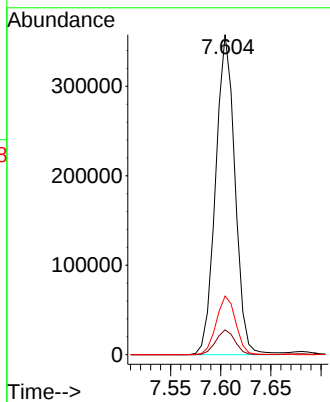
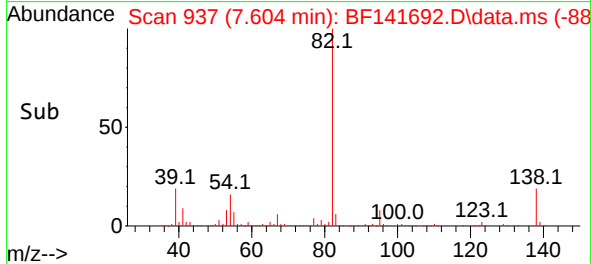
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion: 82 Resp: 479529
Ion Ratio Lower Upper
82 100
95 7.7 6.4 9.6
138 18.3 13.9 20.9

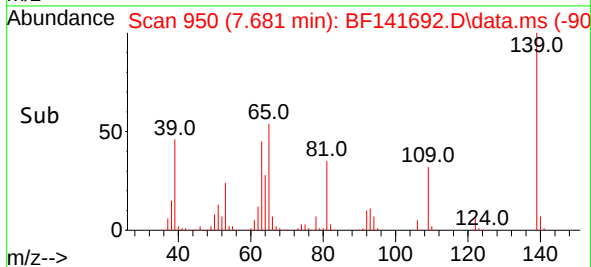
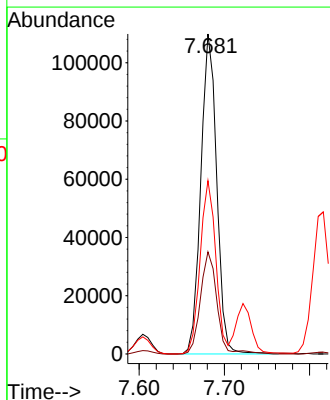
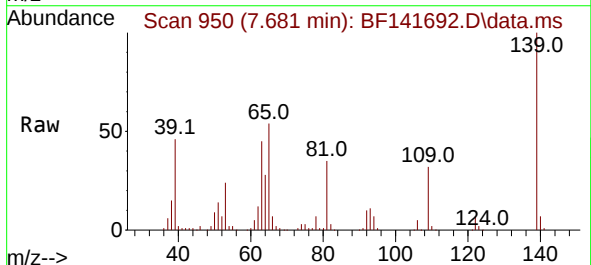
Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#26
2-Nitrophenol
Concen: 41.689 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

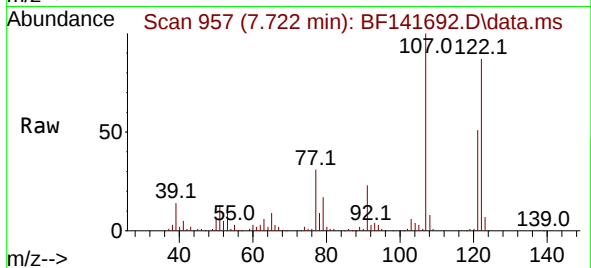
Tgt Ion:139 Resp: 142298
Ion Ratio Lower Upper
139 100
109 31.9 27.0 40.6
65 54.2 47.1 70.7





#27
2,4-Dimethylphenol
Concen: 52.429 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

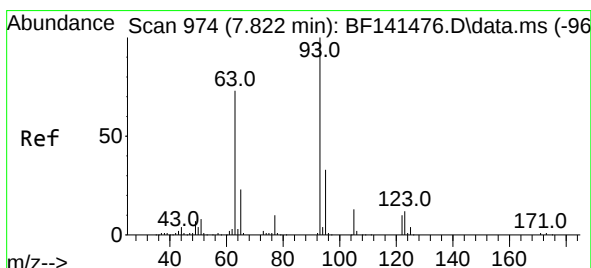
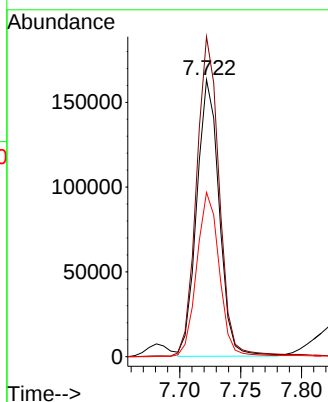
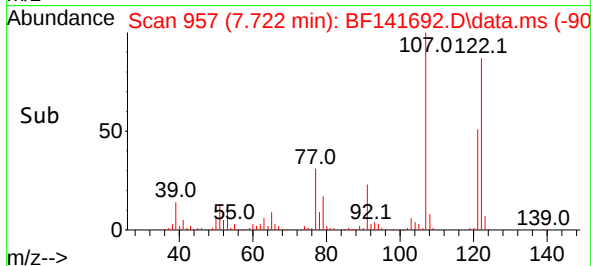
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:122 Resp: 209060
Ion Ratio Lower Upper
122 100
107 115.6 94.3 141.5
121 59.3 46.0 69.0

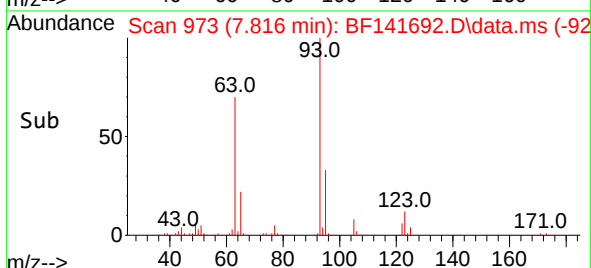
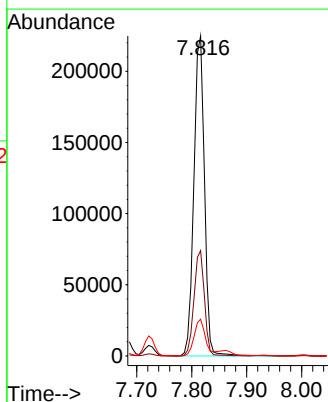
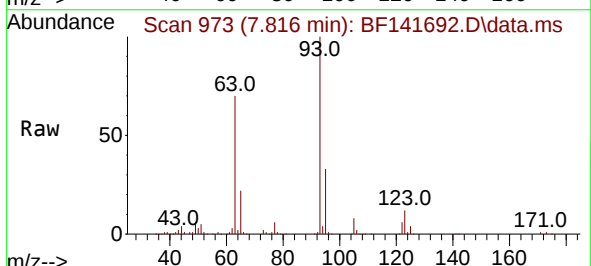
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#28
bis(2-Chloroethoxy)methane
Concen: 41.868 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 93 Resp: 300963
Ion Ratio Lower Upper
93 100
95 32.9 26.1 39.1
123 11.5 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 41.368 ng

RT: 7.928 min Scan# 994

Delta R.T. -0.011 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

Instrument :

BNA_F

ClientSampleId :

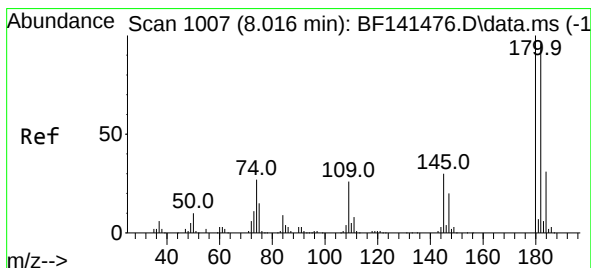
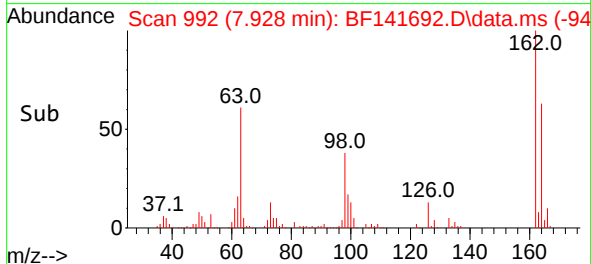
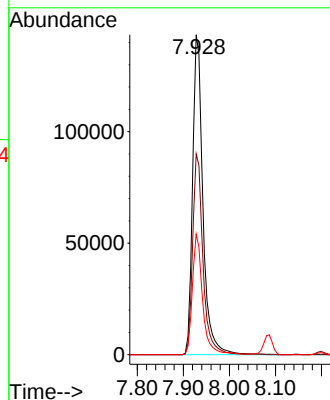
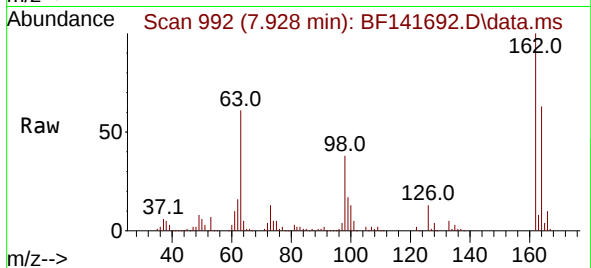
OU4-PCS-TC-15-021725MSD

Tgt Ion:162 Resp: 222878
 Ion Ratio Lower Upper
 162 100
 164 62.8 44.6 84.6
 98 37.7 17.2 57.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#30

1,2,4-Trichlorobenzene

Concen: 40.389 ng

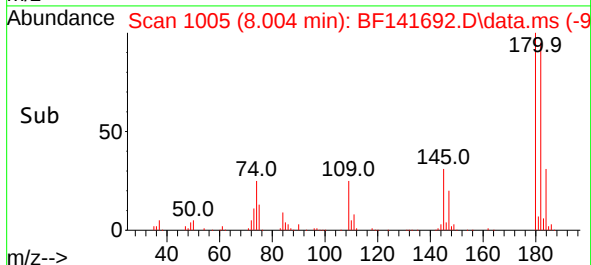
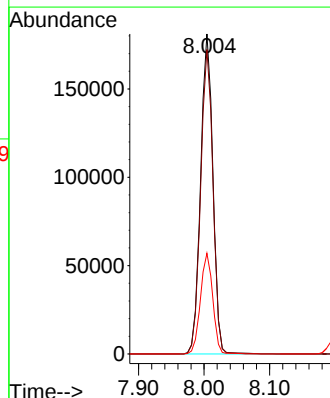
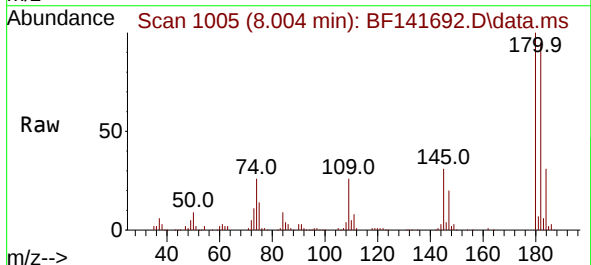
RT: 8.004 min Scan# 1005

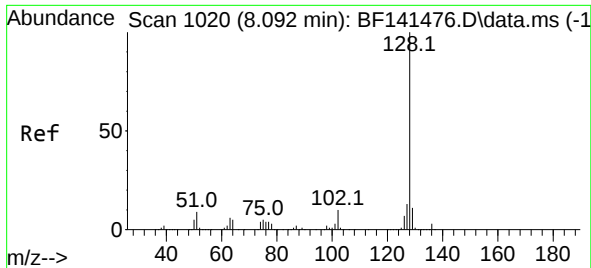
Delta R.T. -0.012 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

Tgt Ion:180 Resp: 236959
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.8 115.2
 145 31.5 24.2 36.4





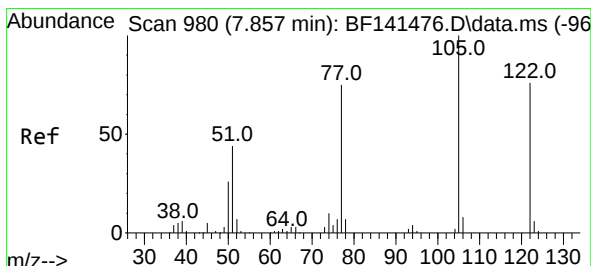
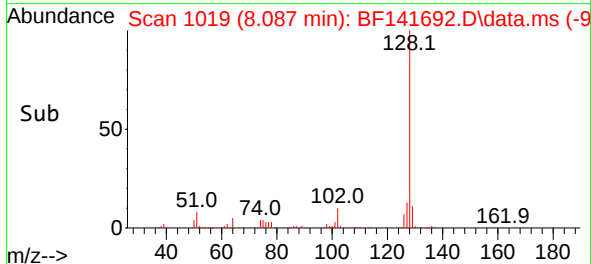
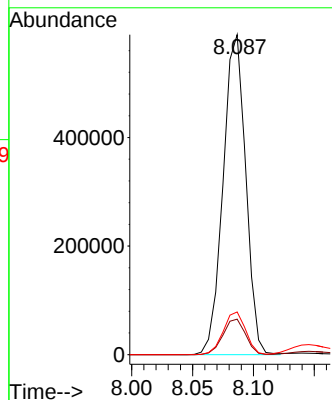
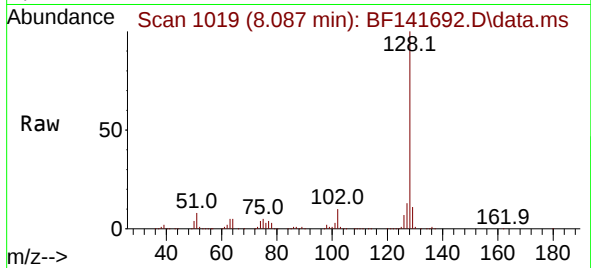
#31
Naphthalene
Concen: 39.932 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:128 Resp: 76278
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.7 16.1

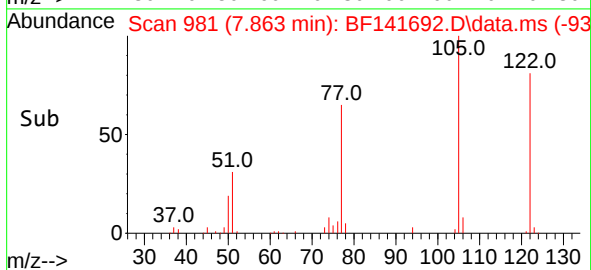
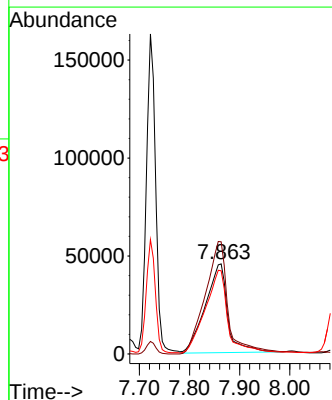
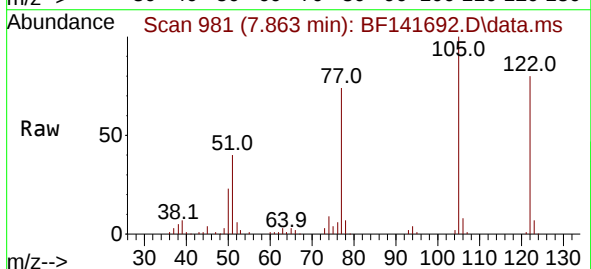
Manual Integrations
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Supervised By :Jagrut Upadhyay 02/20/2025



#32
Benzoic acid
Concen: 34.113 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:122 Resp: 141292
Ion Ratio Lower Upper
122 100
105 124.5 106.5 146.5
77 92.3 76.3 116.3





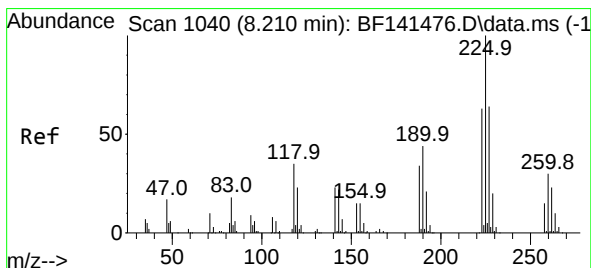
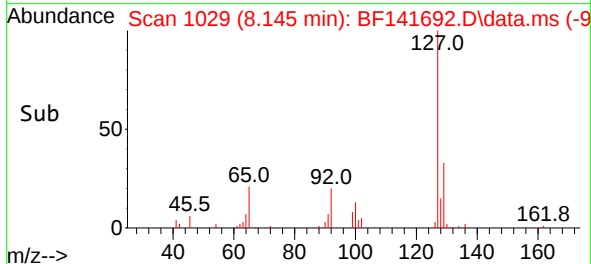
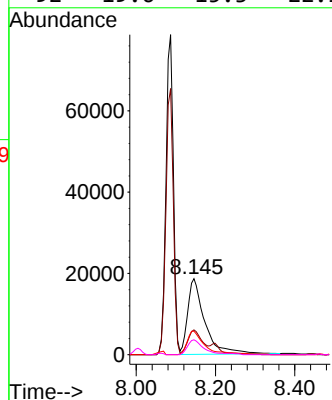
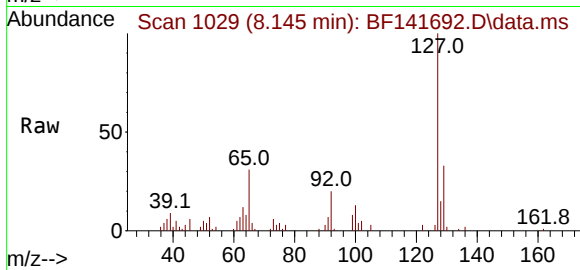
#33
4-Chloroaniline
Concen: 8.311 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:127	Resp: 55428
Ion Ratio	Lower Upper
127 100	
129 32.7	26.5 39.7
65 31.0	26.4 39.6
92 19.6	15.3 22.9

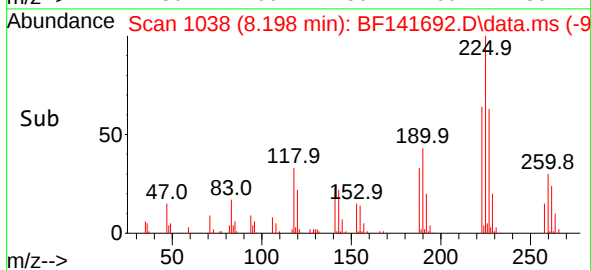
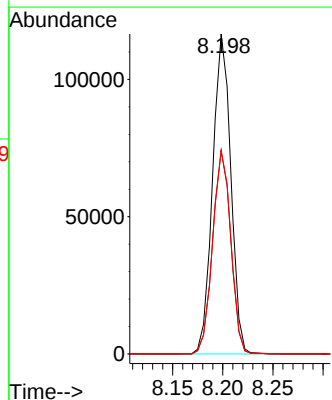
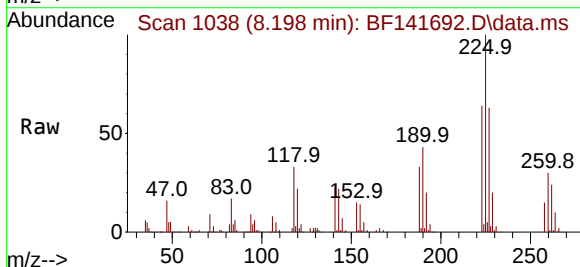
Manual Integrations
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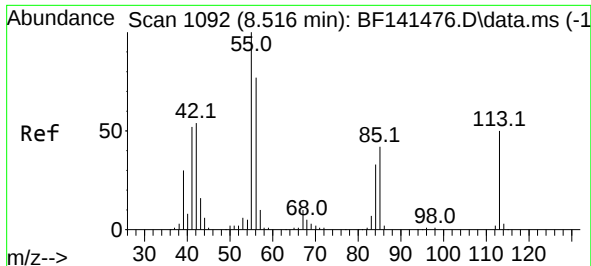
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#34
Hexachlorobutadiene
Concen: 41.731 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

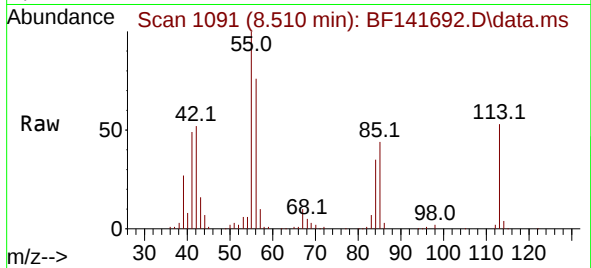
Tgt Ion:225	Resp: 146983
Ion Ratio	Lower Upper
225 100	
223 63.6	50.1 75.1
227 63.4	51.0 76.6





#35
 Caprolactam
 Concen: 47.129 ng m
 RT: 8.510 min Scan# 1092
 Delta R.T. -0.035 min
 Lab File: BF141692.D
 Acq: 19 Feb 2025 23:36

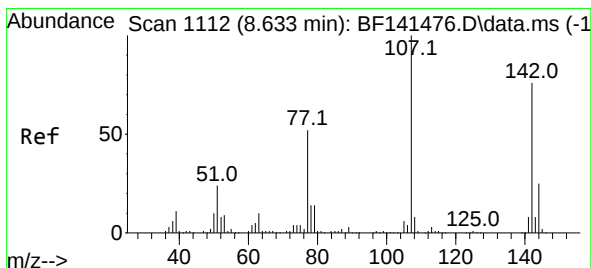
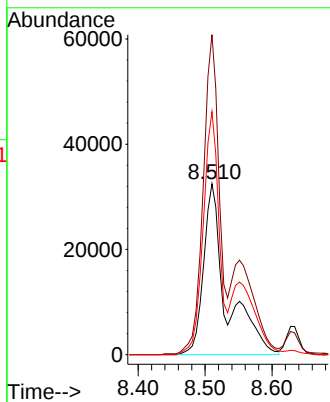
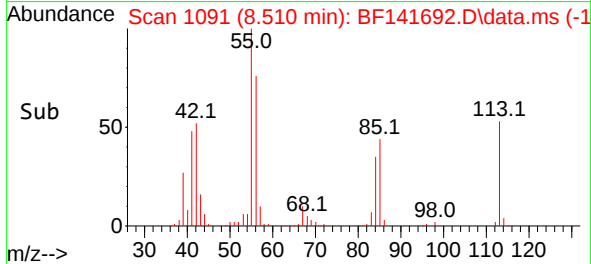
Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-15-021725MSD



Tgt Ion:113 Resp: 77310
 Ion Ratio Lower Upper
 113 100
 55 187.2 180.8 220.8
 56 142.1 133.6 173.6

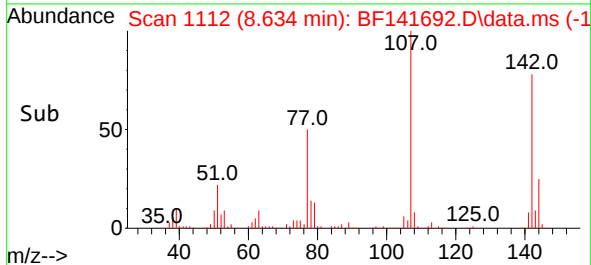
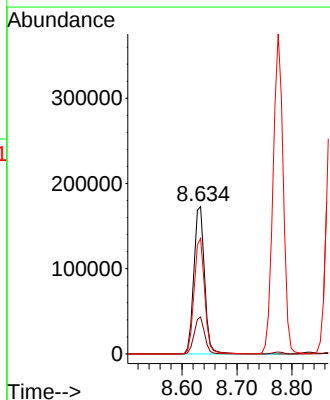
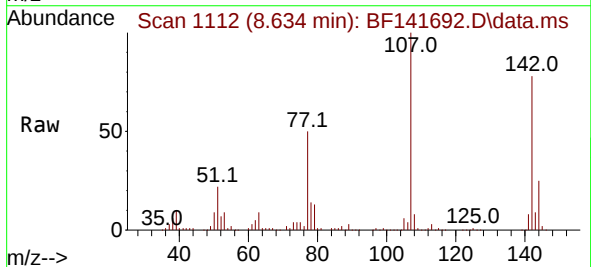
Manual Integrations
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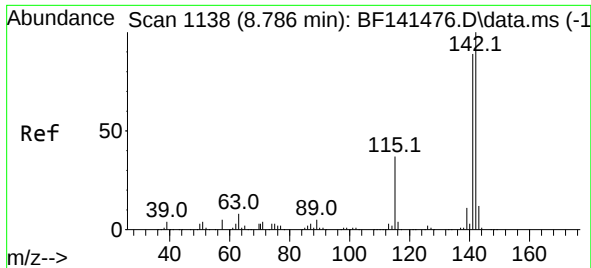
Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#36
 4-Chloro-3-methylphenol
 Concen: 39.276 ng
 RT: 8.634 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141692.D
 Acq: 19 Feb 2025 23:36

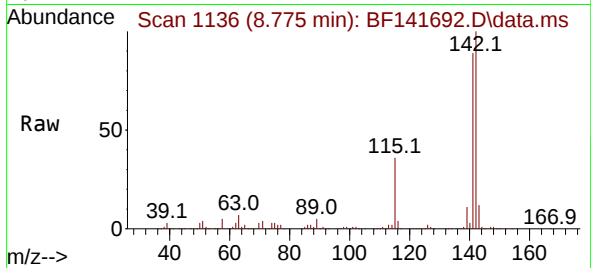
Tgt Ion:107 Resp: 234396
 Ion Ratio Lower Upper
 107 100
 144 25.1 19.7 29.5
 142 78.3 60.8 91.2





#37
2-Methylnaphthalene
Concen: 38.675 ng
RT: 8.775 min Scan# 1136
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

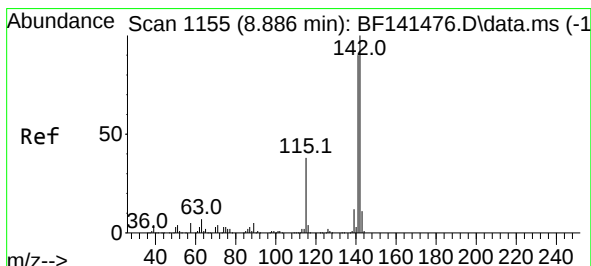
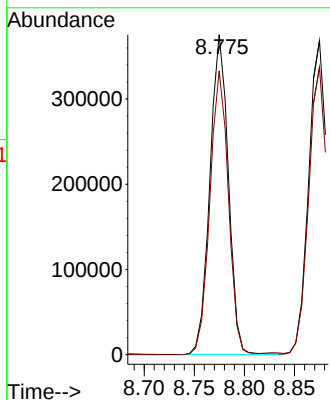
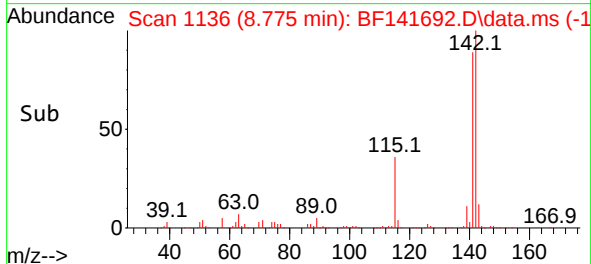
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:142 Resp: 480748
Ion Ratio Lower Upper
142 100
141 88.7 71.2 106.8

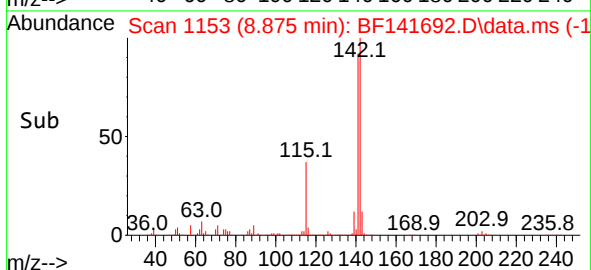
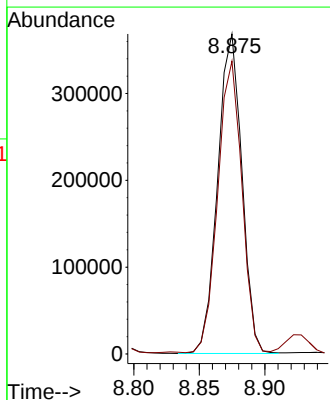
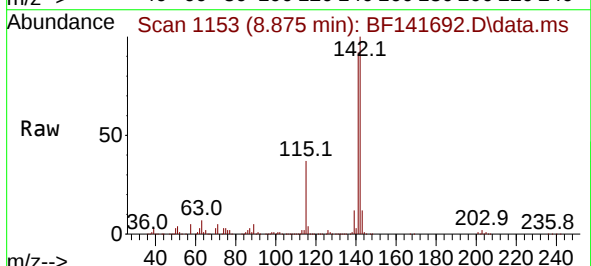
Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#38
1-Methylnaphthalene
Concen: 39.169 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

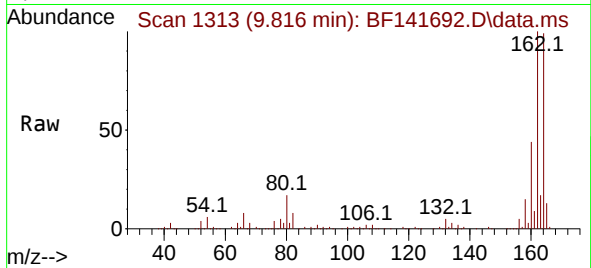
Tgt Ion:142 Resp: 471566
Ion Ratio Lower Upper
142 100
141 91.5 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1164
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

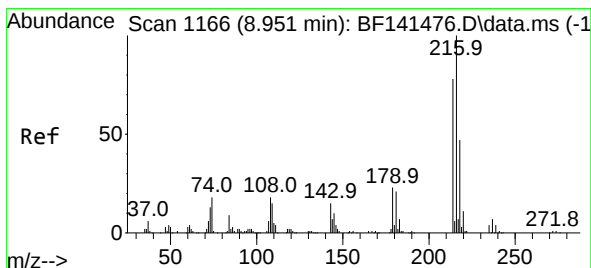
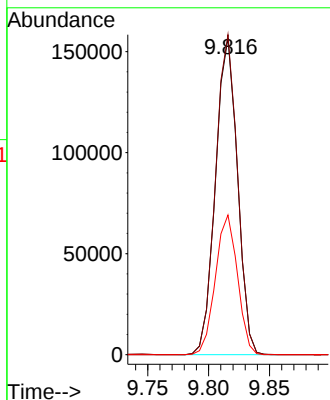
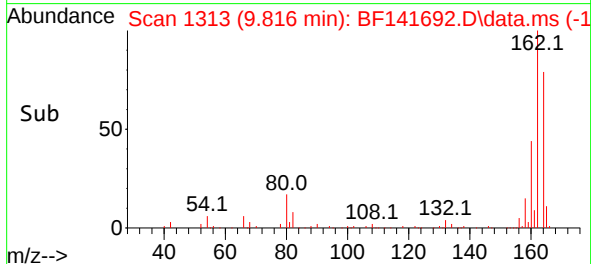
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:164 Resp: 197029
Ion Ratio Lower Upper
164 100
162 101.1 81.3 121.9
160 44.1 35.9 53.9

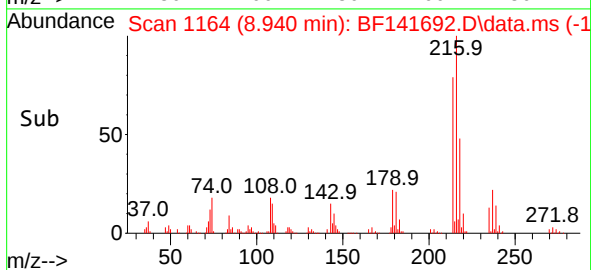
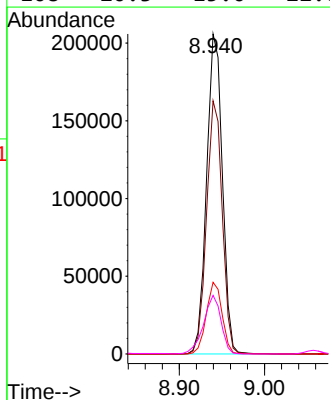
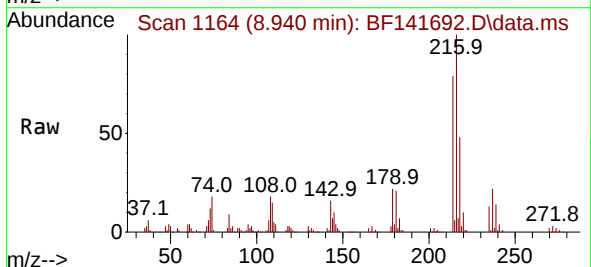
Manual Integrations
APPROVED

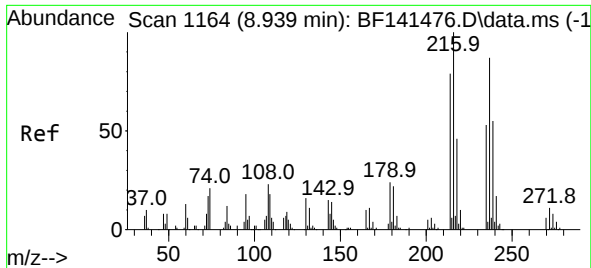
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.350 ng
RT: 8.940 min Scan# 1164
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

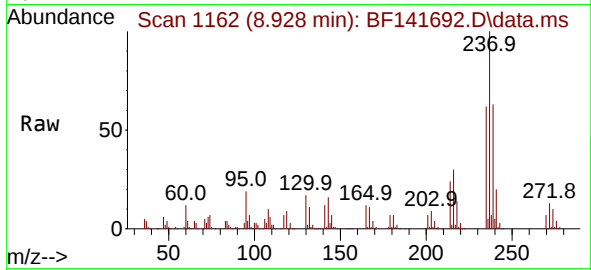
Tgt Ion:216 Resp: 264210
Ion Ratio Lower Upper
216 100
214 78.9 62.3 93.5
179 22.5 18.0 27.0
108 20.3 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 124.735 ng
RT: 8.928 min Scan# 1164
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

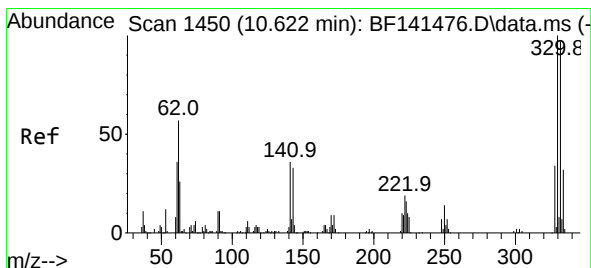
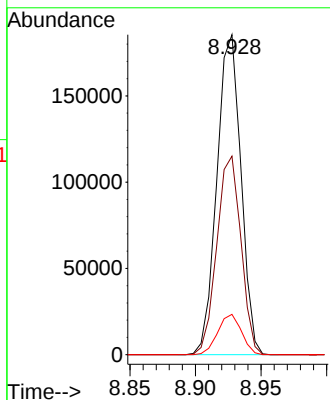
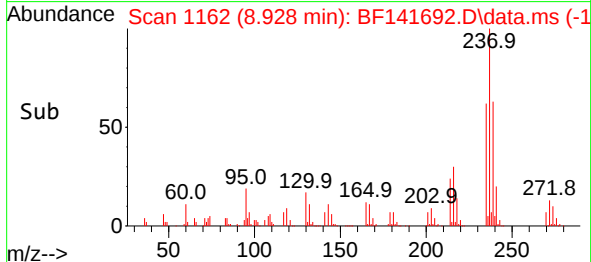
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



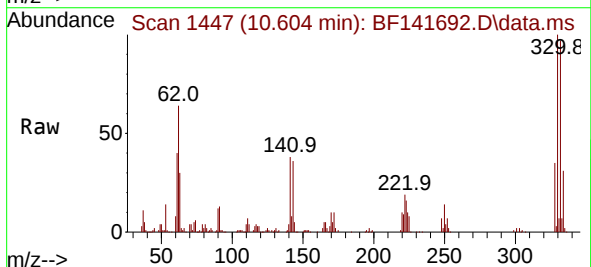
Tgt Ion:237 Resp: 236490
Ion Ratio Lower Upper
237 100
235 62.1 41.4 81.4
272 12.6 0.0 32.4

Manual Integrations
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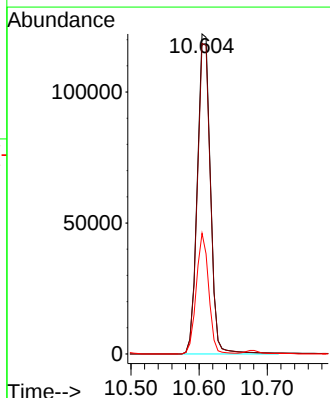
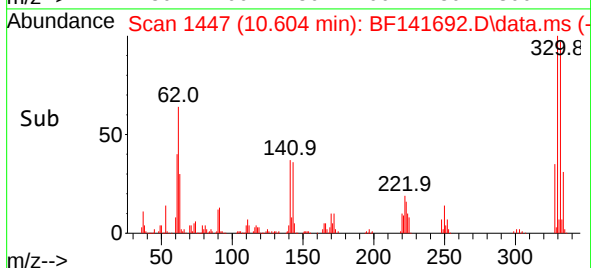
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#42
2,4,6-Tribromophenol
Concen: 82.496 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



Tgt Ion:330 Resp: 163279
Ion Ratio Lower Upper
330 100
332 97.9 78.5 117.7
141 35.6 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 41.266 ng

RT: 9.057 min Scan# 1184

Delta R.T. -0.011 min

Lab File: BF141692.D

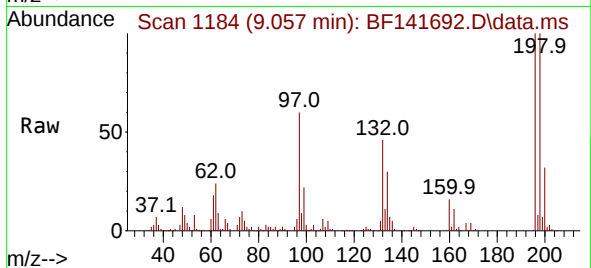
Acq: 19 Feb 2025 23:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-15-021725MSD



Tgt Ion:196 Resp: 152030

Ion Ratio Lower Upper

196 100

198 100.5 80.6 121.0

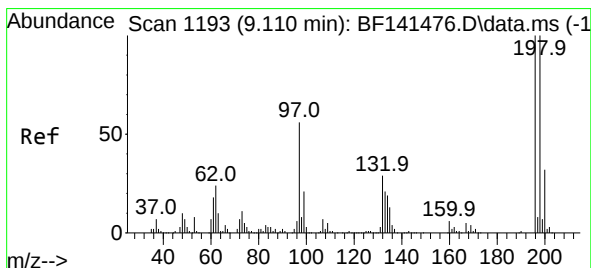
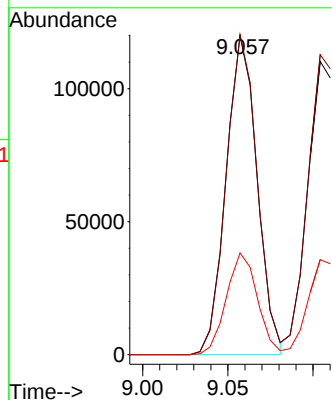
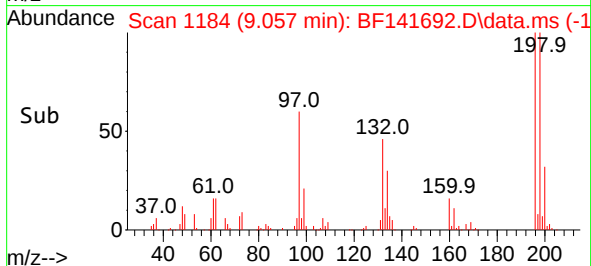
200 32.0 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#44

2,4,5-Trichlorophenol

Concen: 40.580 ng

RT: 9.104 min Scan# 1192

Delta R.T. -0.012 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

Tgt Ion:196 Resp: 162026

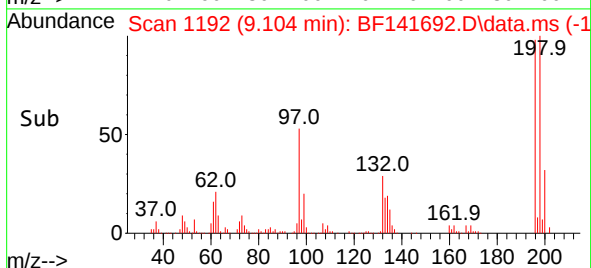
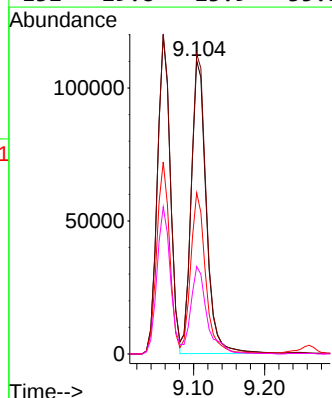
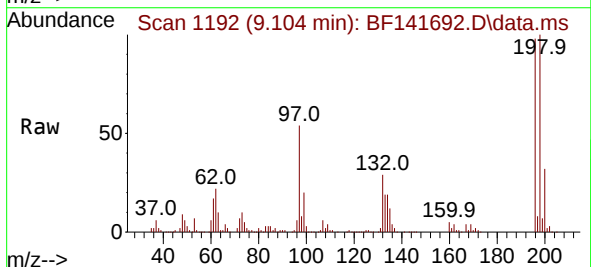
Ion Ratio Lower Upper

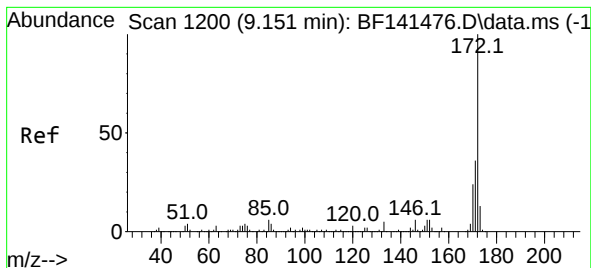
196 100

198 102.3 79.8 119.8

97 54.9 44.8 67.2

132 29.8 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 59.206 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141692.D

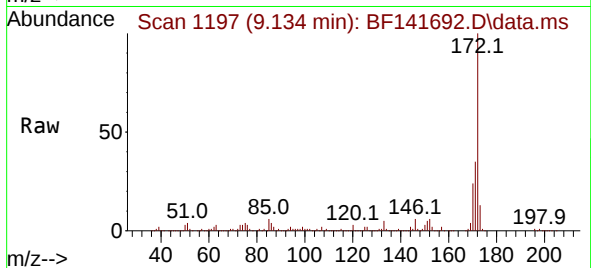
Acq: 19 Feb 2025 23:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-15-021725MSD



Tgt Ion:172 Resp: 757160

Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

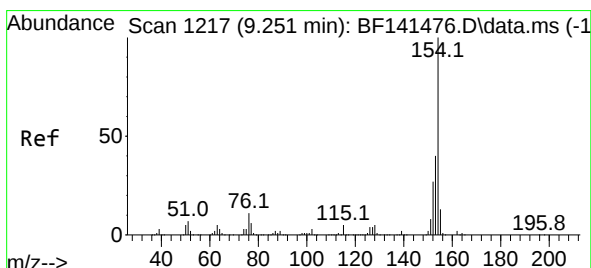
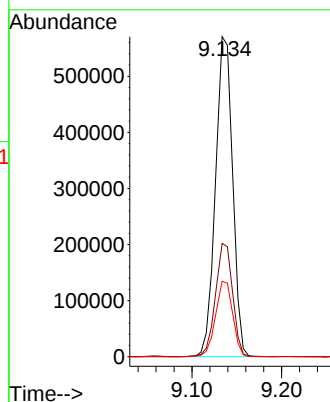
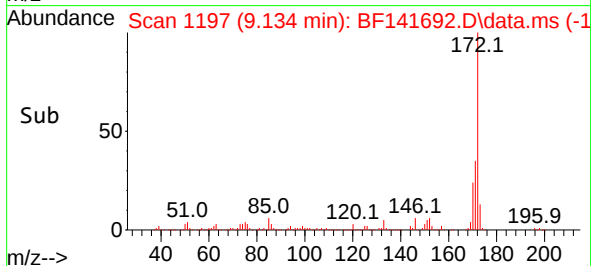
170 23.5 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#46

1,1'-Biphenyl

Concen: 45.601 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.017 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

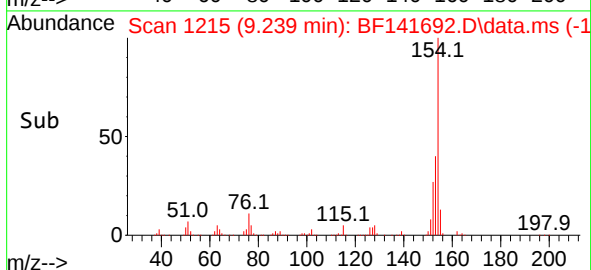
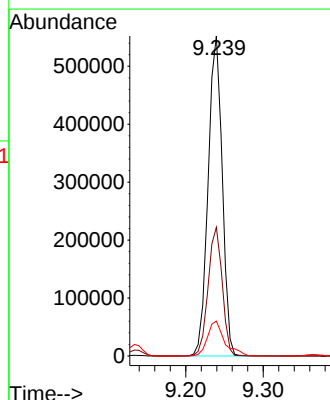
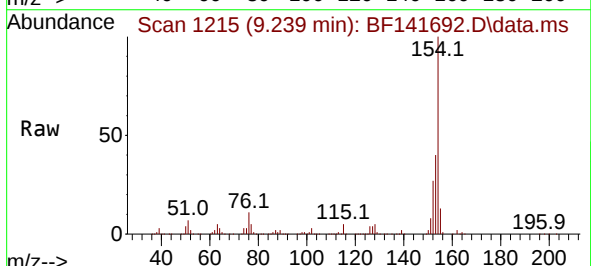
Tgt Ion:154 Resp: 696564

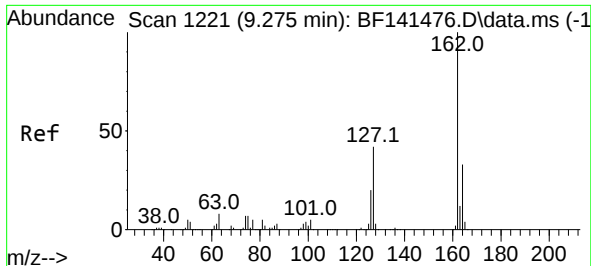
Ion Ratio Lower Upper

154 100

153 40.2 20.4 60.4

76 10.9 0.0 30.8





#47

2-Chloronaphthalene

Concen: 41.896 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.017 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

Instrument :

BNA_F

ClientSampleId :

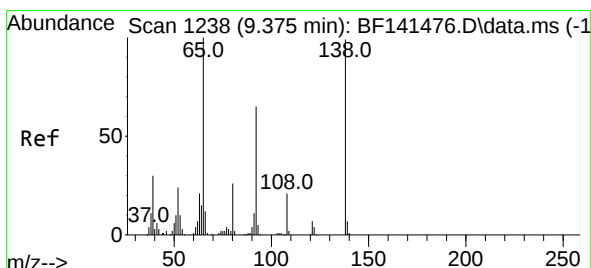
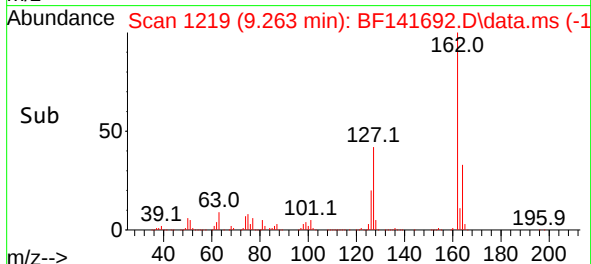
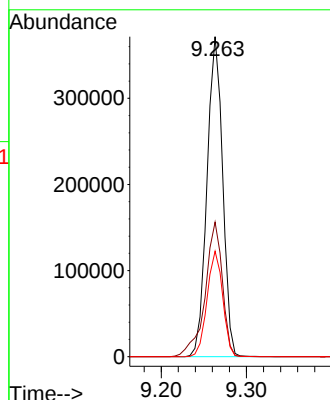
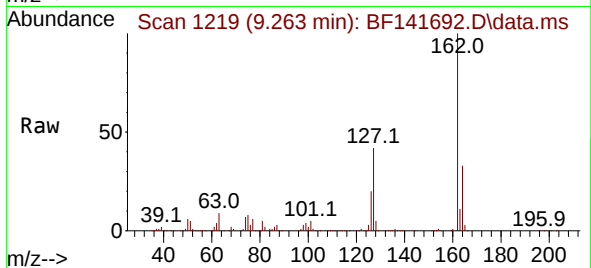
OU4-PCS-TC-15-021725MSD

Tgt Ion:162 Resp: 473240
 Ion Ratio Lower Upper
 162 100
 127 42.0 34.1 51.1
 164 33.0 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#48

2-Nitroaniline

Concen: 39.967 ng

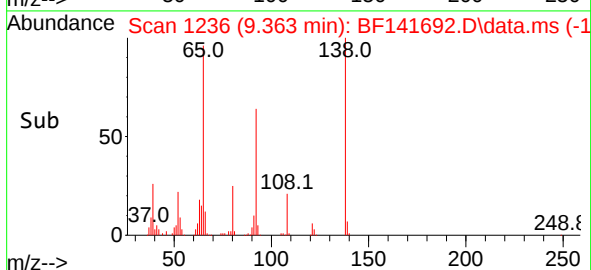
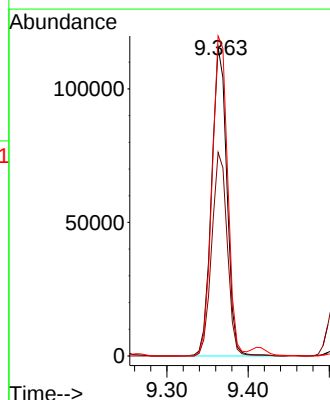
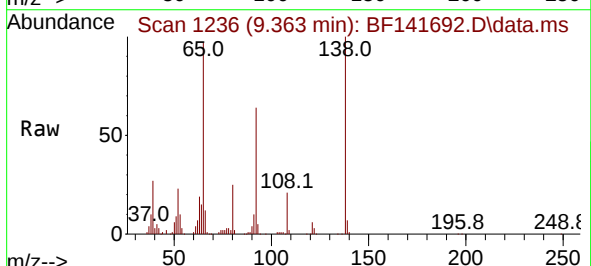
RT: 9.363 min Scan# 1236

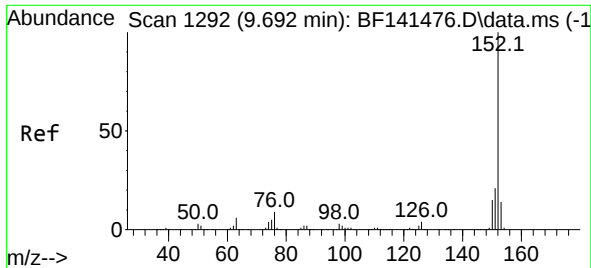
Delta R.T. -0.017 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

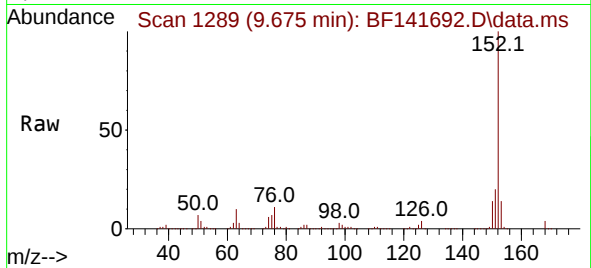
Tgt Ion: 65 Resp: 151507
 Ion Ratio Lower Upper
 65 100
 92 65.9 52.2 78.2
 138 103.6 79.5 119.3





#49
Acenaphthylene
Concen: 43.316 ng
RT: 9.675 min Scan# 1289
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

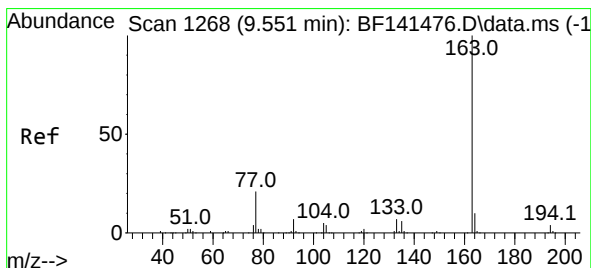
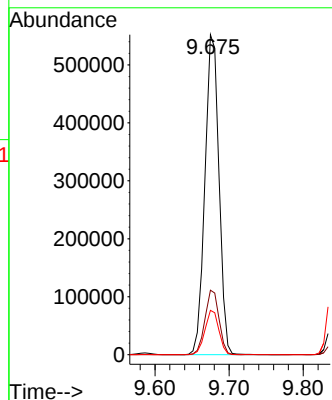
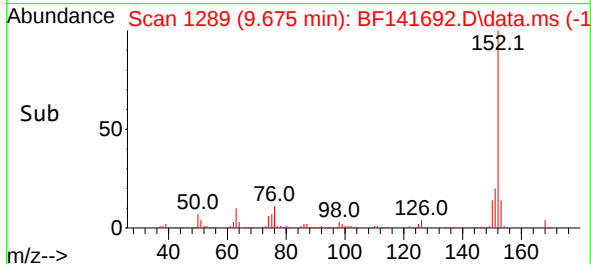
Instrument : BNA_F
ClientSampleId : OU4-PCS-TC-15-021725MSD



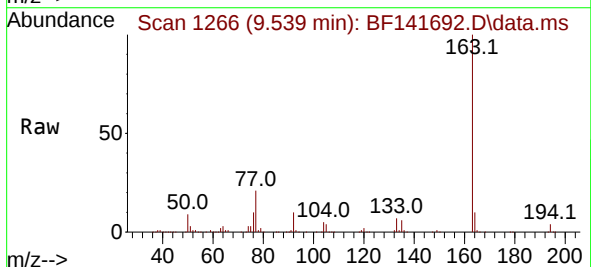
Tgt Ion:152 Resp: 727750
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.8 10.9 16.3

Manual Integrations
APPROVED

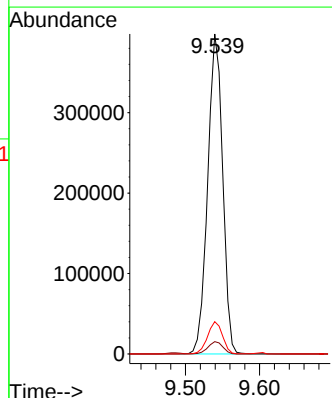
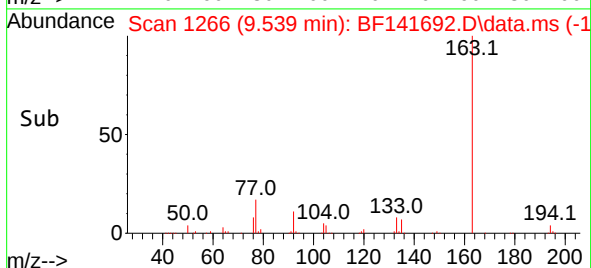
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

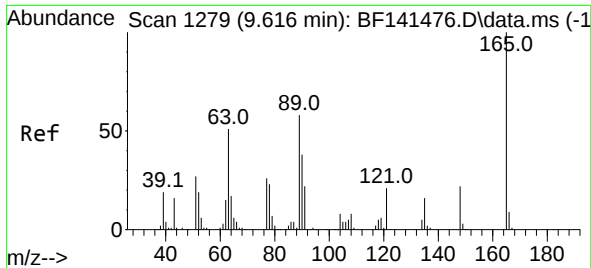


#50
Dimethylphthalate
Concen: 41.749 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



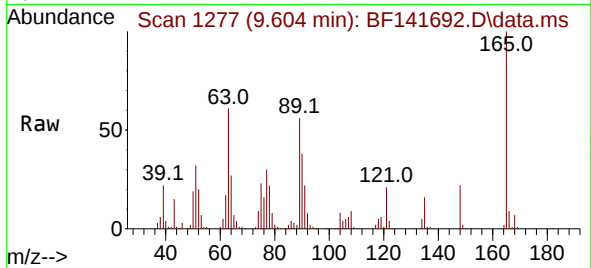
Tgt Ion:163 Resp: 558426
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 42.186 ng
RT: 9.604 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

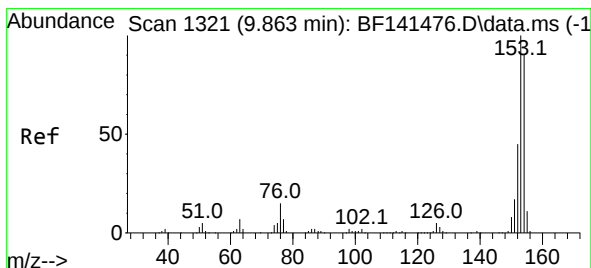
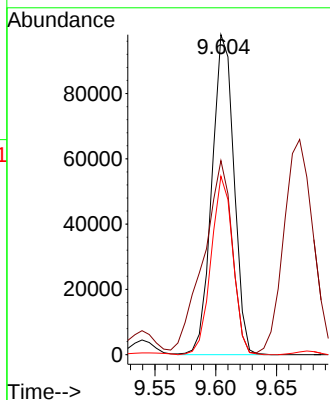
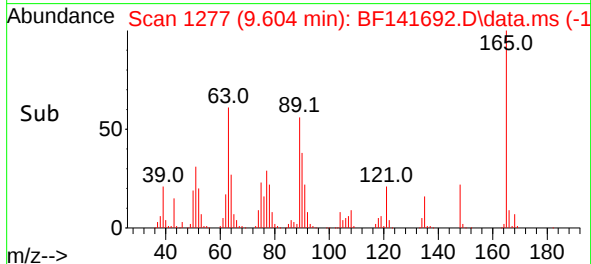
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:165 Resp: 123354
Ion Ratio Lower Upper
165 100
63 60.7 49.4 74.0
89 55.8 46.5 69.7

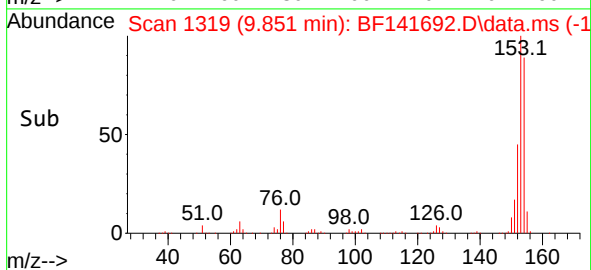
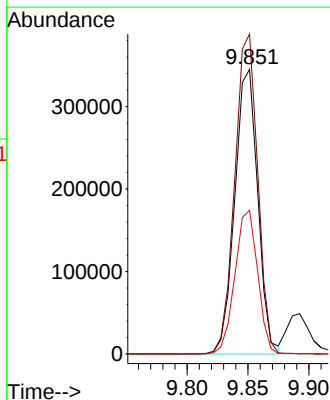
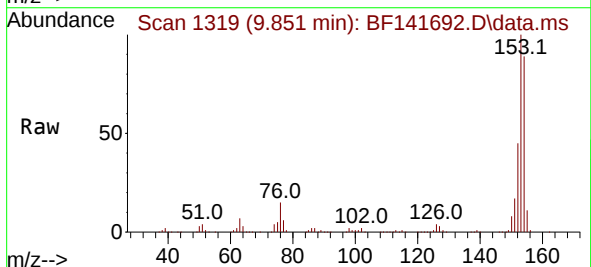
Manual Integrations
APPROVED

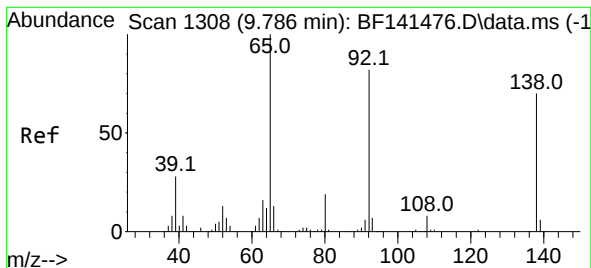
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#52
Acenaphthene
Concen: 40.125 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

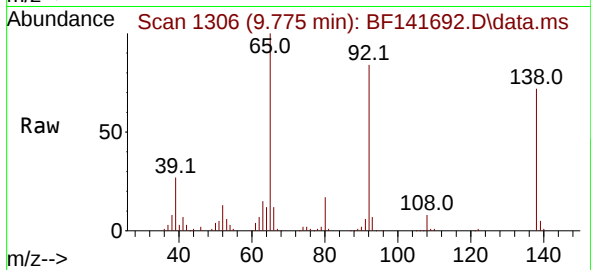
Tgt Ion:154 Resp: 453211
Ion Ratio Lower Upper
154 100
153 112.4 89.2 133.8
152 50.5 39.8 59.8





#53
3-Nitroaniline
Concen: 20.758 ng
RT: 9.775 min Scan# 1306
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

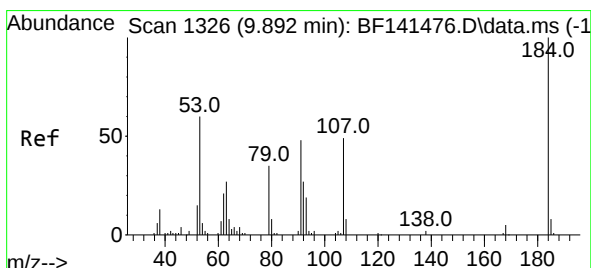
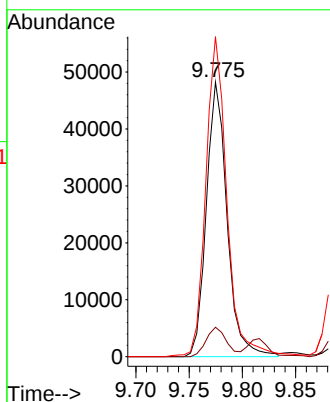
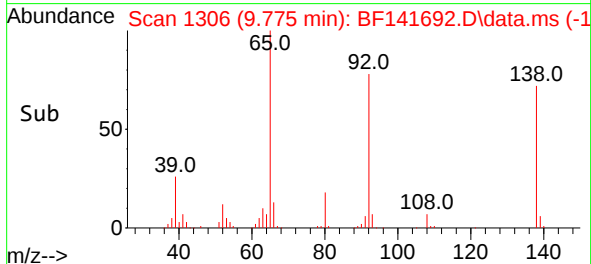
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:138 Resp: 65330
Ion Ratio Lower Upper
138 100
108 10.8 9.0 13.4
92 116.6 93.7 140.5

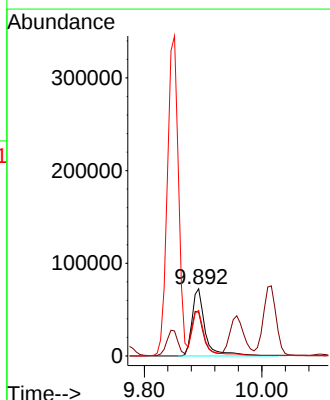
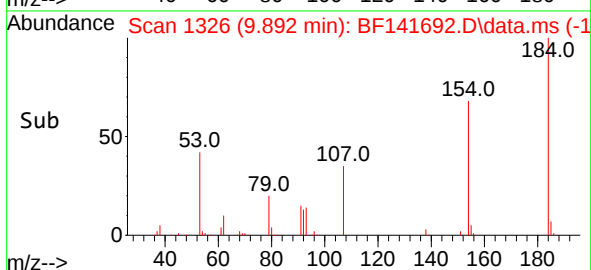
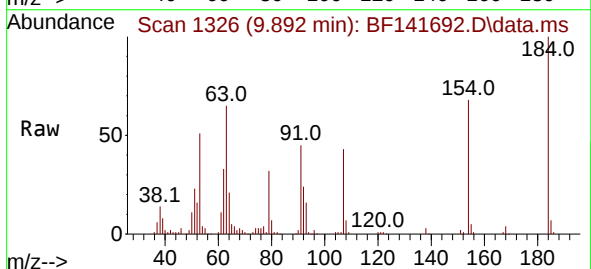
Manual Integrations
APPROVED

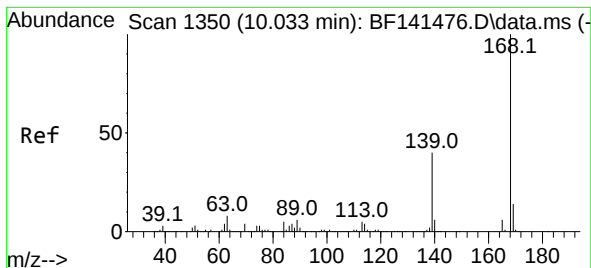
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#54
2,4-Dinitrophenol
Concen: 65.266 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

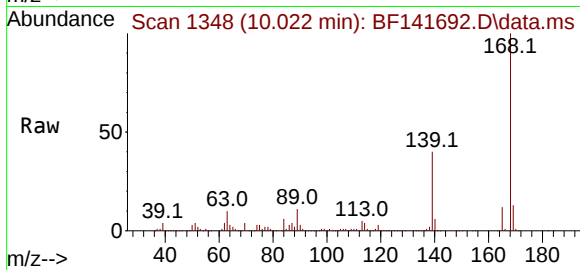
Tgt Ion:184 Resp: 113421
Ion Ratio Lower Upper
184 100
63 65.1 61.0 91.6
154 67.5 59.9 89.9





#55
Dibenzenofuran
Concen: 39.631 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

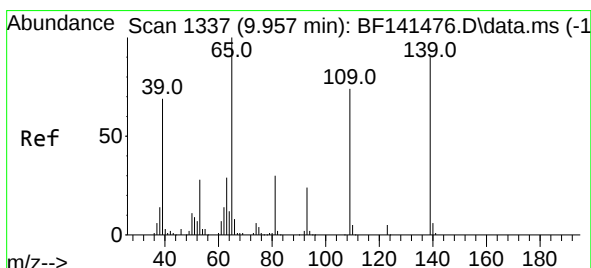
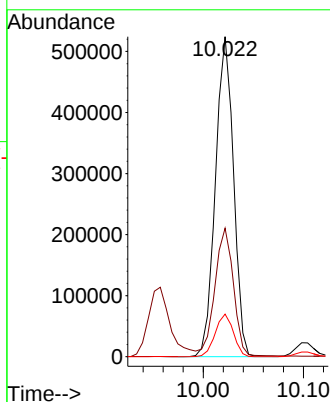
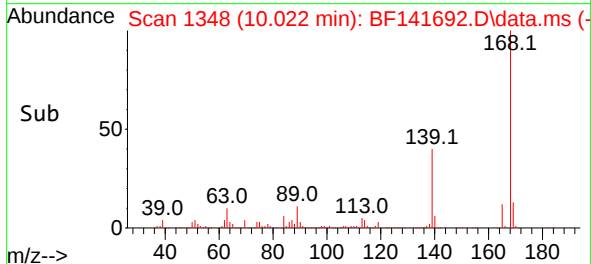
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:168 Resp: 65704
Ion Ratio Lower Upper
168 100
139 40.2 32.7 49.1
169 13.3 10.8 16.2

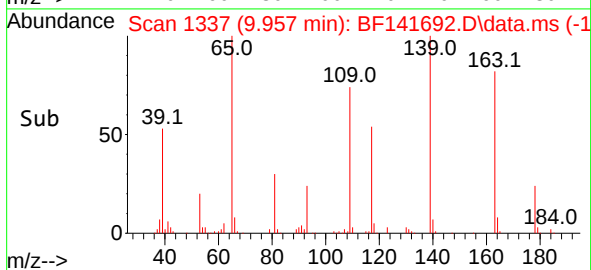
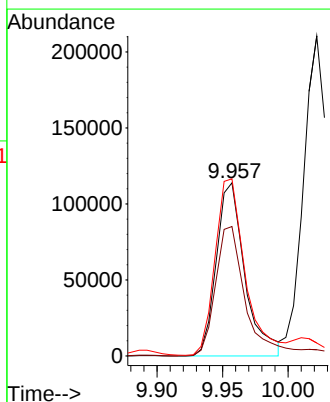
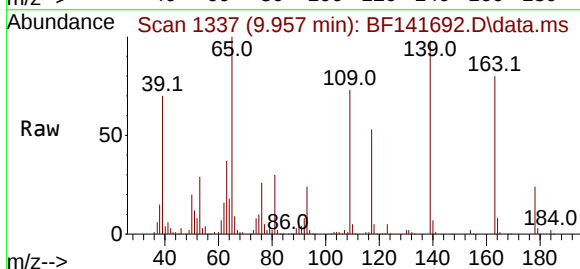
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#56
4-Nitrophenol
Concen: 73.719 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

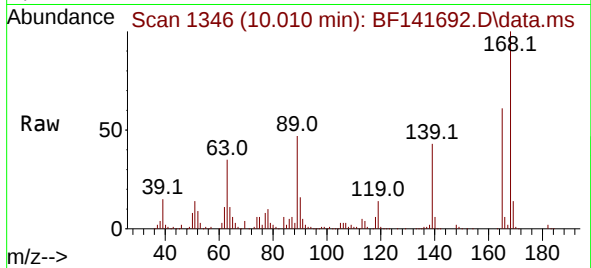
Tgt Ion:139 Resp: 172225
Ion Ratio Lower Upper
139 100
109 74.8 62.0 102.0
65 102.3 91.2 131.2





#57
2,4-Dinitrotoluene
Concen: 42.505 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

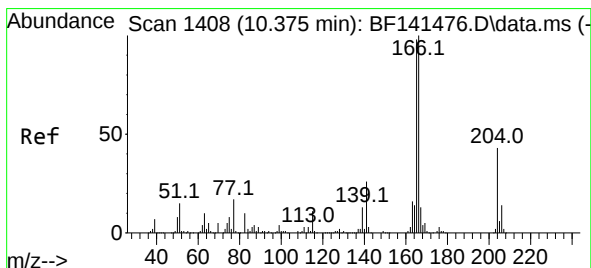
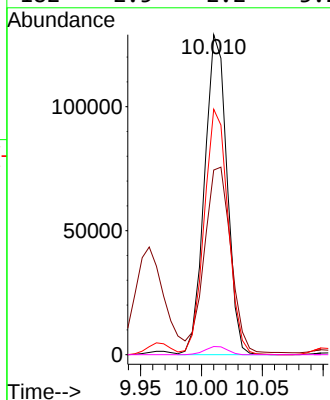
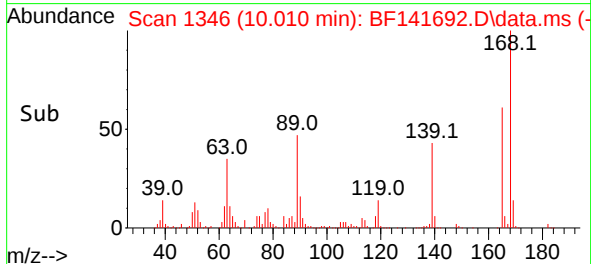
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



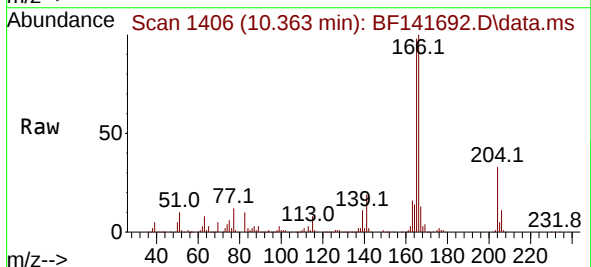
Tgt Ion:165 Resp: 16545
Ion Ratio Lower Upper
165 100
63 57.7 46.4 69.6
89 76.7 61.8 92.6
182 2.5 2.2 3.2

Manual Integrations
APPROVED

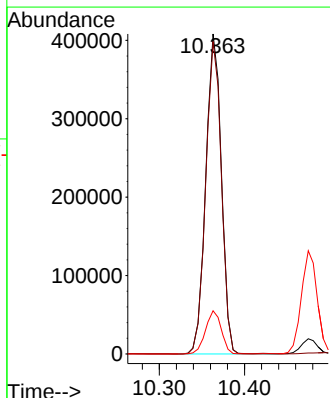
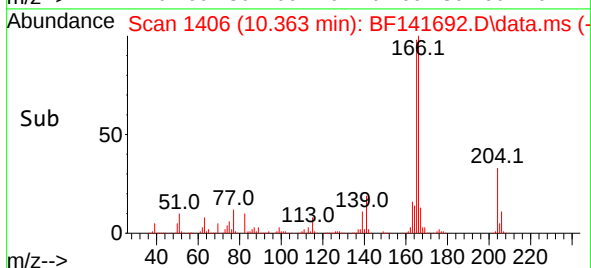
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

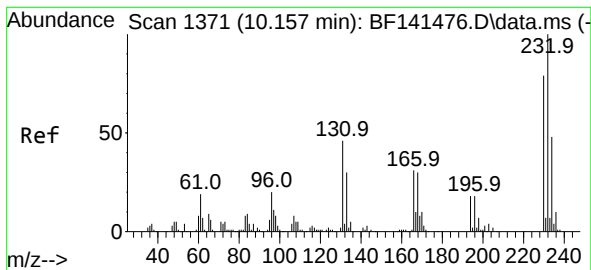


#58
Fluorene
Concen: 40.584 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



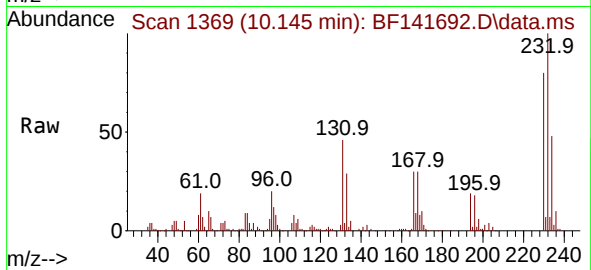
Tgt Ion:166 Resp: 520245
Ion Ratio Lower Upper
166 100
165 97.6 78.2 117.2
167 13.5 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.512 ng
RT: 10.145 min Scan# 1369
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

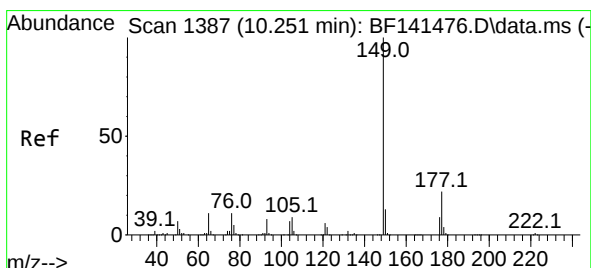
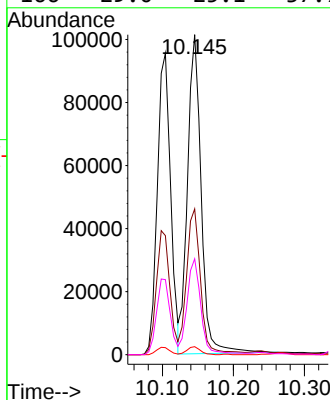
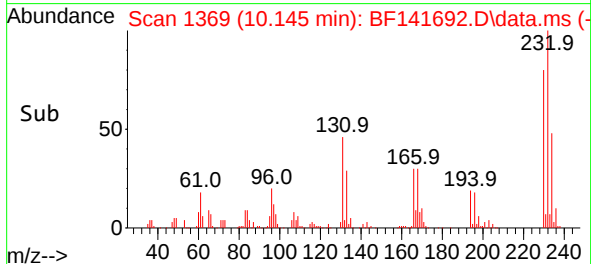
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



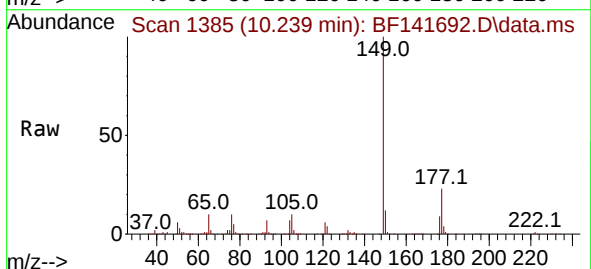
Tgt Ion:232 Resp: 13582
Ion Ratio Lower Upper
232 100
131 46.3 39.2 58.8
130 2.5 2.1 3.1
166 29.0 25.1 37.7

Manual Integrations
APPROVED

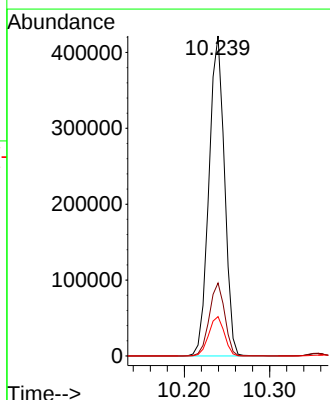
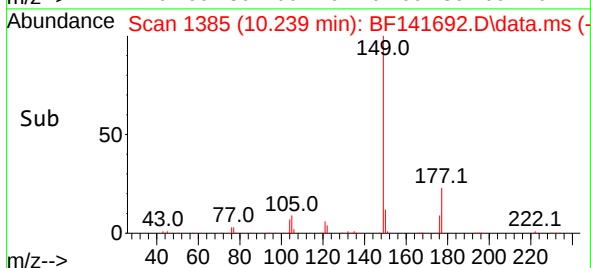
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

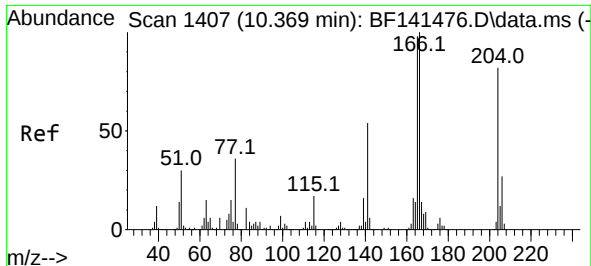


#60
Diethylphthalate
Concen: 40.580 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



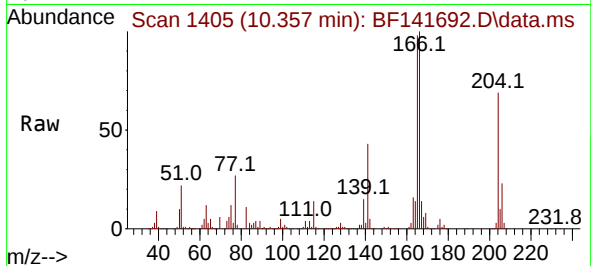
Tgt Ion:149 Resp: 534039
Ion Ratio Lower Upper
149 100
177 22.8 17.8 26.6
150 12.3 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 41.326 ng
RT: 10.357 min Scan# 1410
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

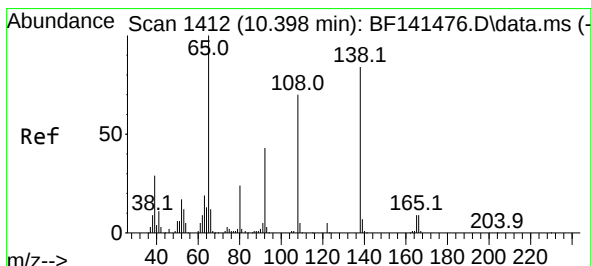
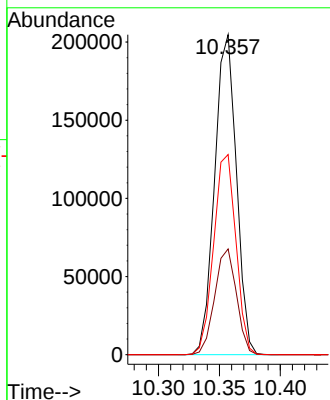
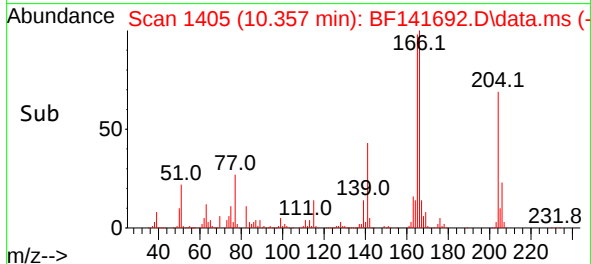
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



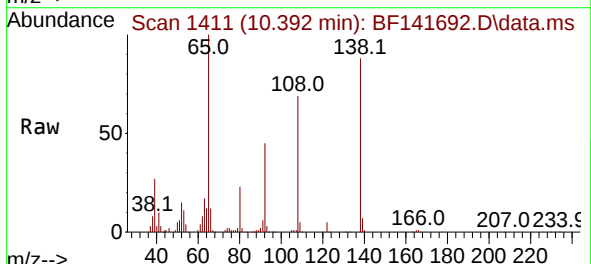
Tgt Ion:204 Resp: 25486
Ion Ratio Lower Upper
204 100
206 33.1 26.6 40.0
141 62.6 51.9 77.9

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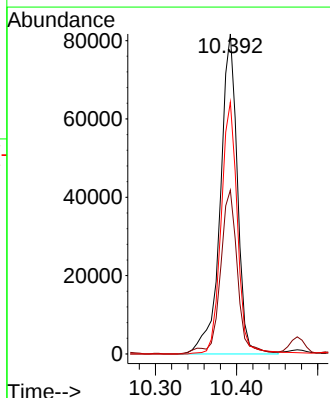
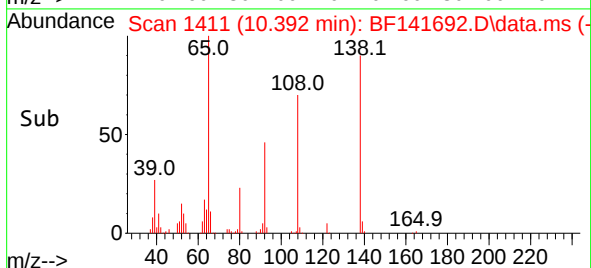
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

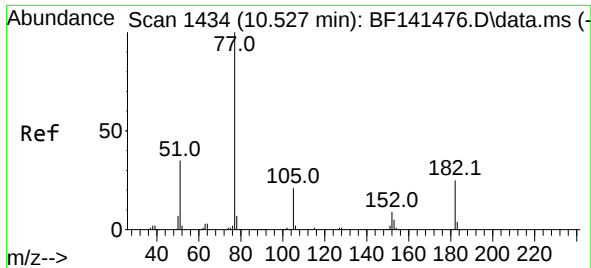


#62
4-Nitroaniline
Concen: 37.551 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



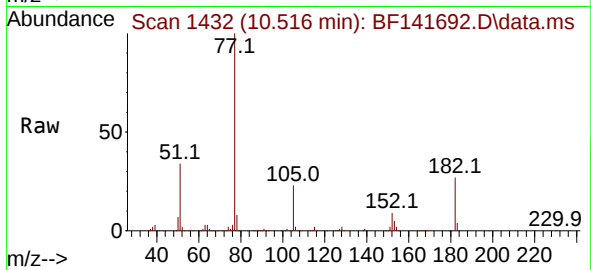
Tgt Ion:138 Resp: 120000
Ion Ratio Lower Upper
138 100
92 51.2 31.3 71.3
108 78.7 63.7 103.7





#63
Azobenzene
Concen: 41.117 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

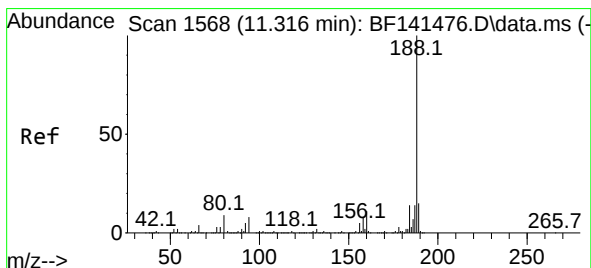
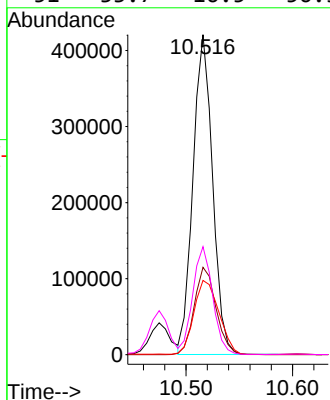
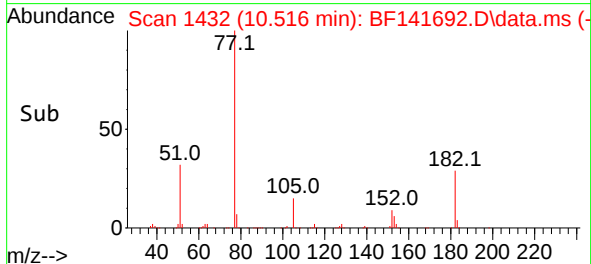
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion: 77 Resp: 537934
Ion Ratio Lower Upper
77 100
182 27.3 4.7 44.7
105 23.2 0.4 40.4
51 33.7 16.5 56.5

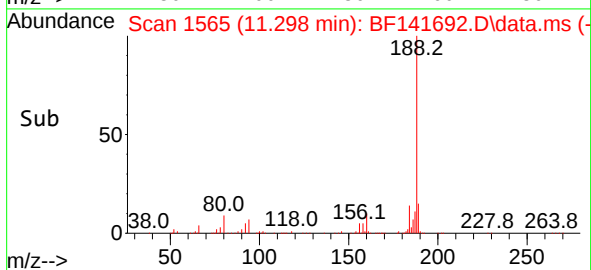
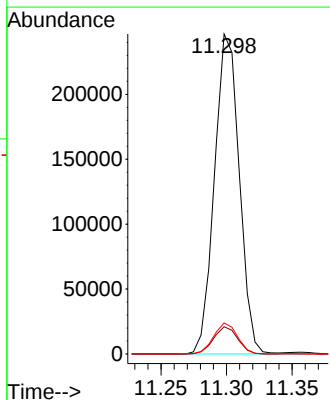
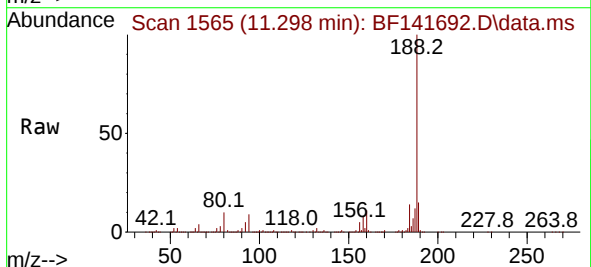
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:188 Resp: 324047
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.7 7.3 10.9





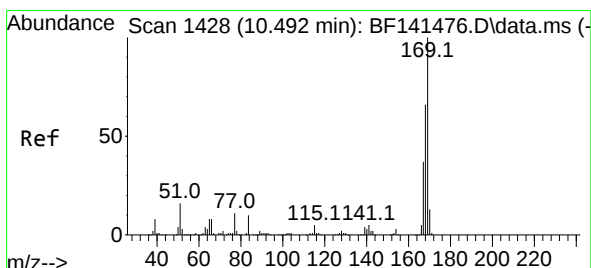
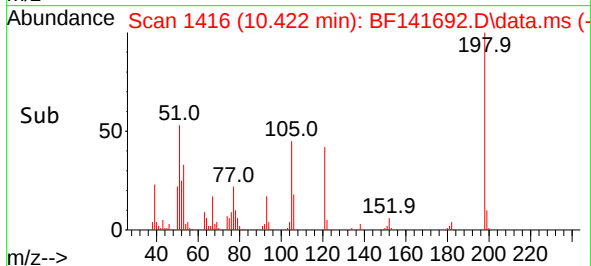
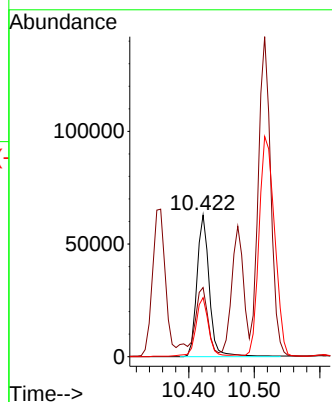
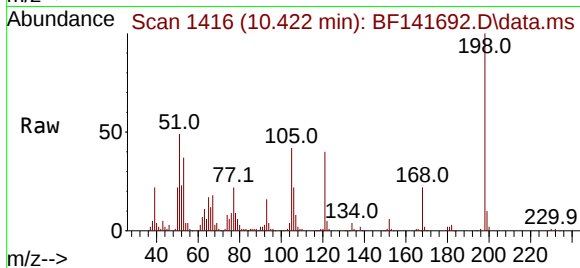
#65
4,6-Dinitro-2-methylphenol
Concen: 36.706 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:198 Resp: 82620
Ion Ratio Lower Upper
198 100
51 48.8 37.4 77.4
105 41.7 25.2 65.2

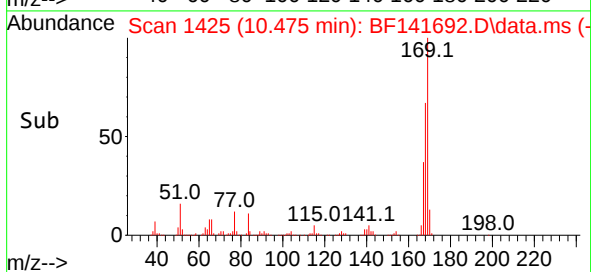
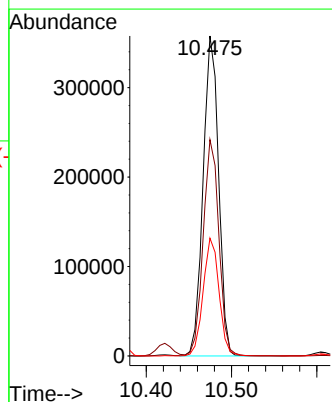
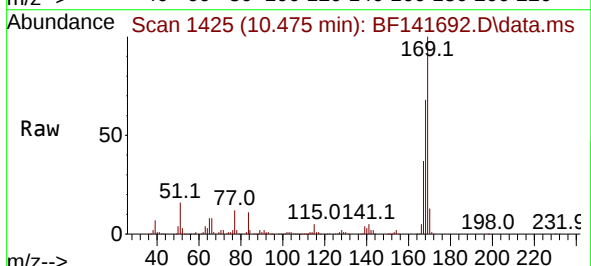
Manual Integrations
APPROVED

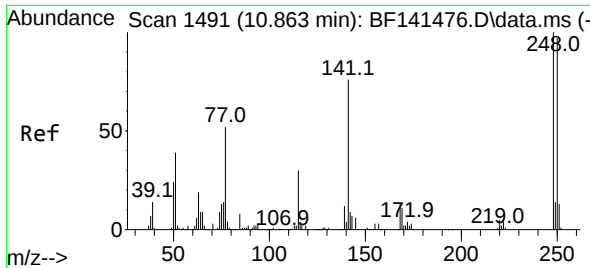
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#66
n-Nitrosodiphenylamine
Concen: 43.593 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

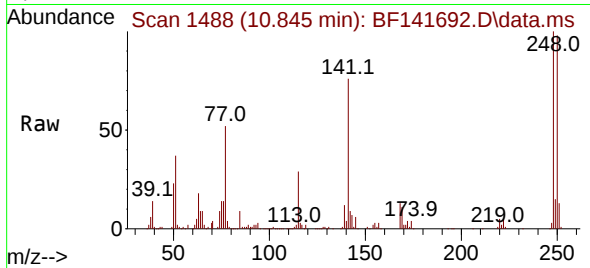
Tgt Ion:169 Resp: 452194
Ion Ratio Lower Upper
169 100
168 67.6 53.3 79.9
167 36.8 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 43.757 ng
RT: 10.845 min Scan# 1490
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

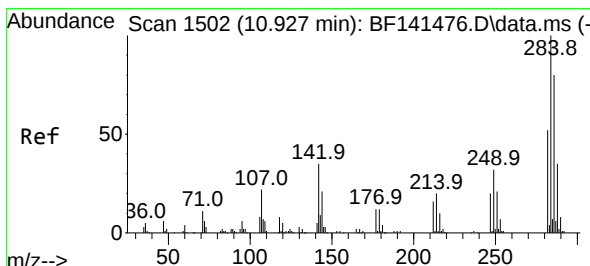
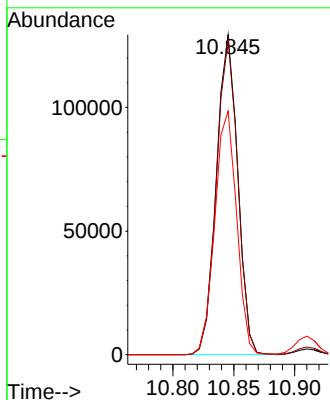
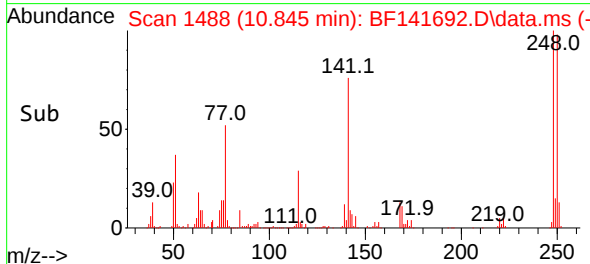
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



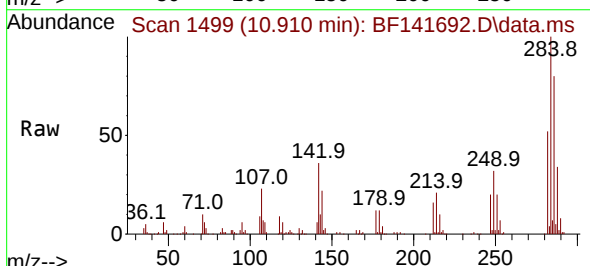
Tgt Ion:248 Resp: 158474
Ion Ratio Lower Upper
248 100
250 98.4 77.8 116.6
141 76.1 60.6 90.8

Manual Integrations
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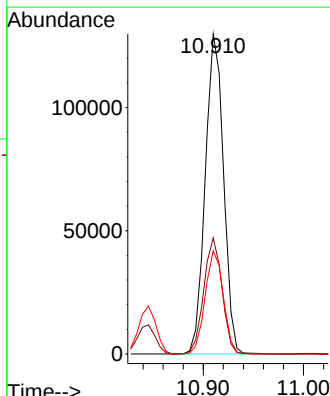
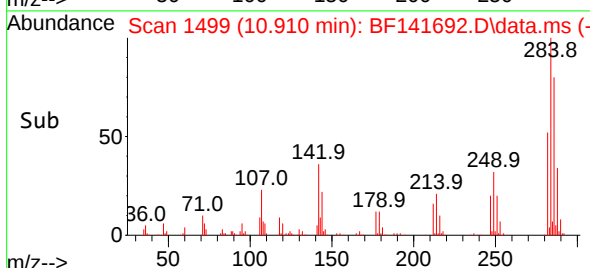
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

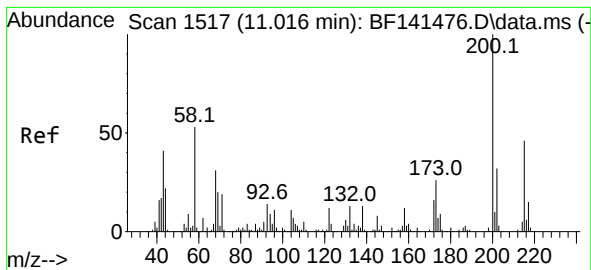


#68
Hexachlorobenzene
Concen: 44.060 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



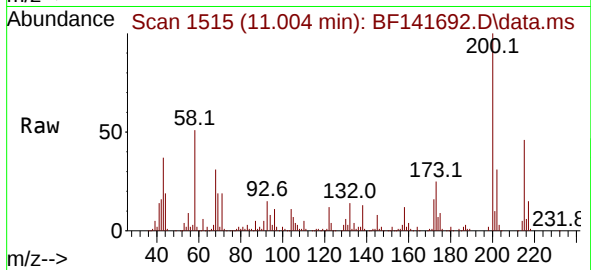
Tgt Ion:284 Resp: 164312
Ion Ratio Lower Upper
284 100
142 36.3 28.0 42.0
249 32.2 25.8 38.8





#69
Atrazine
Concen: 54.892 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

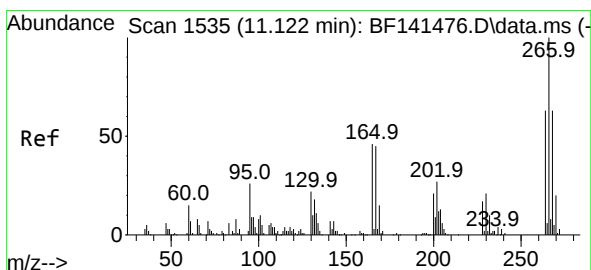
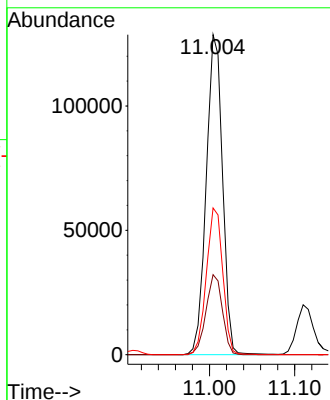
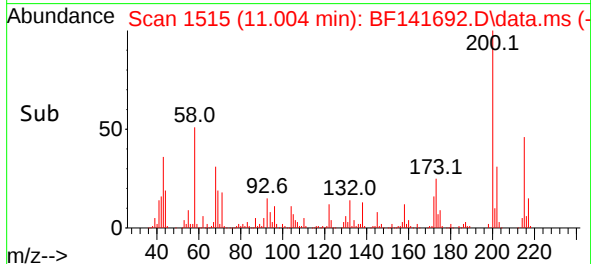
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:200 Resp: 170819
Ion Ratio Lower Upper
200 100
173 25.0 5.9 45.9
215 45.9 25.9 65.9

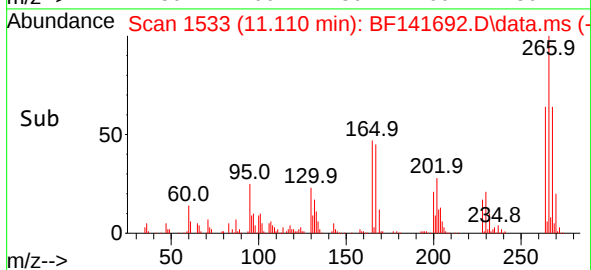
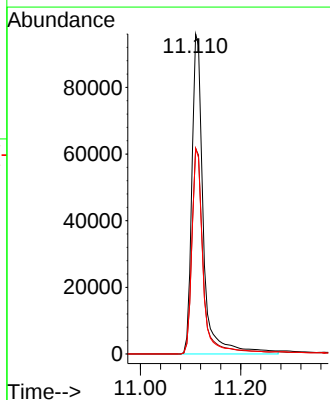
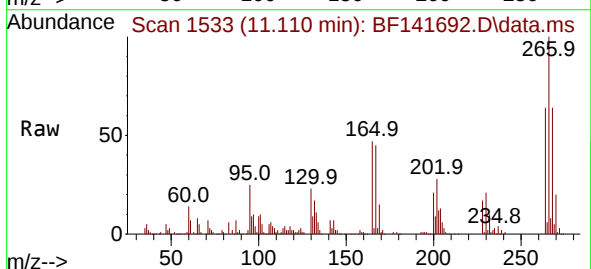
Manual Integrations
APPROVED

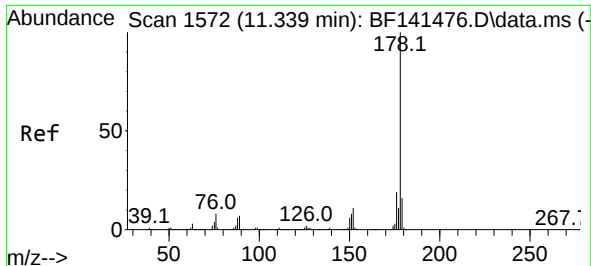
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#70
Pentachlorophenol
Concen: 64.066 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

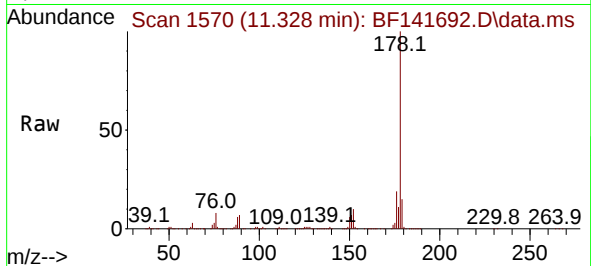
Tgt Ion:266 Resp: 152772
Ion Ratio Lower Upper
266 100
268 64.3 50.1 75.1
264 64.2 50.1 75.1





#71
Phenanthrene
Concen: 42.586 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

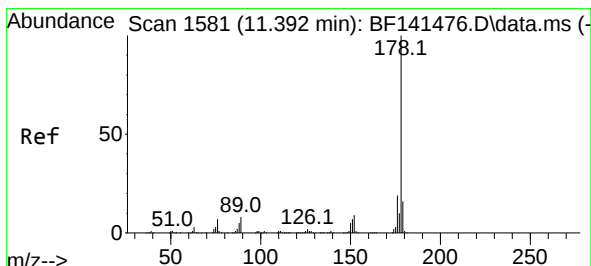
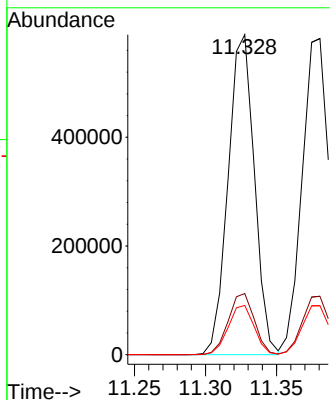
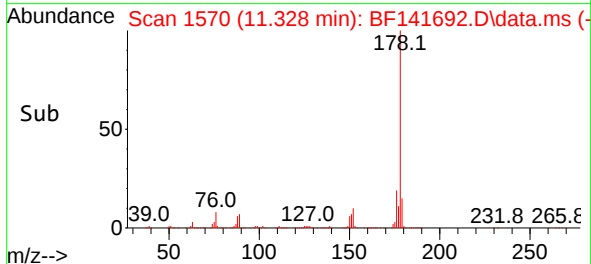
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:178 Resp: 759629
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.4 12.4 18.6

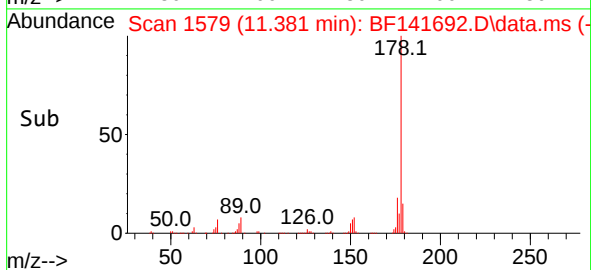
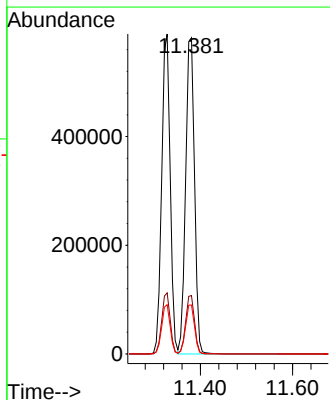
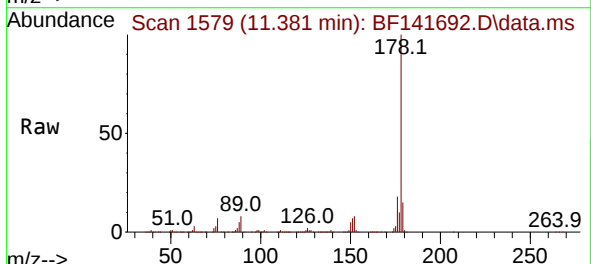
Manual Integrations
APPROVED

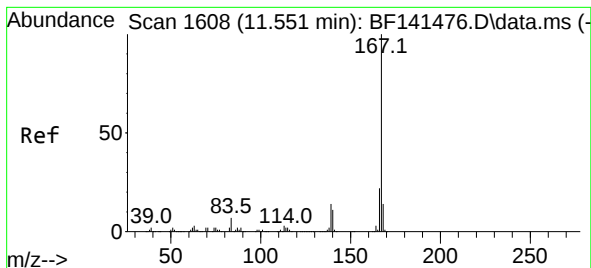
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#72
Anthracene
Concen: 43.348 ng
RT: 11.381 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:178 Resp: 777263
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.5 12.4 18.6





#73

Carbazole

Concen: 40.189 ng

RT: 11.533 min Scan# 1605

Delta R.T. -0.017 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

Instrument :

BNA_F

ClientSampleId :

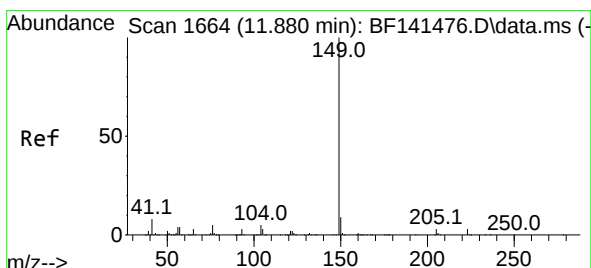
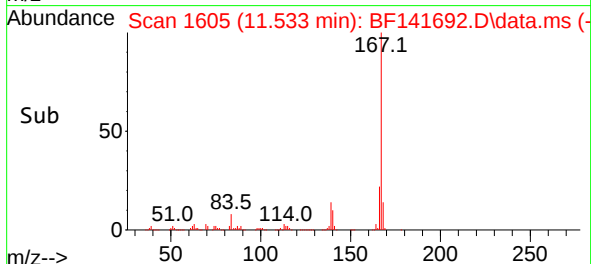
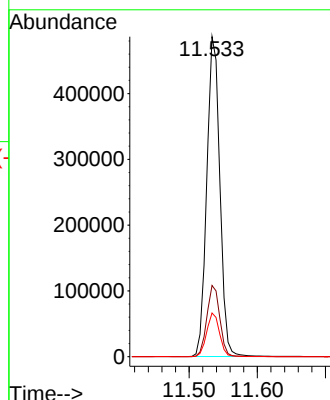
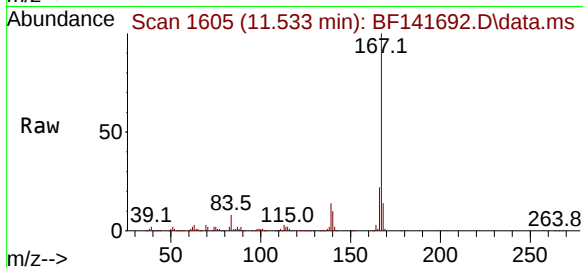
OU4-PCS-TC-15-021725MSD

Tgt Ion:167 Resp: 648410
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.2
 139 13.6 10.9 16.3

Manual Integrations

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Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#74

Di-n-butylphthalate

Concen: 43.100 ng

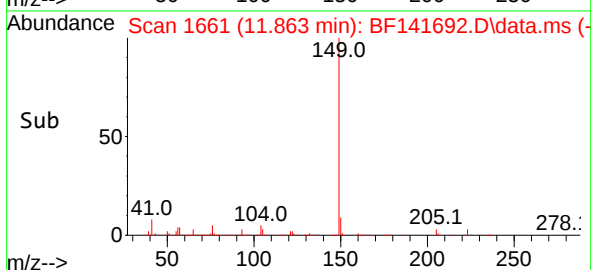
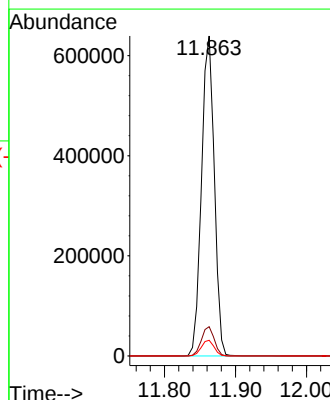
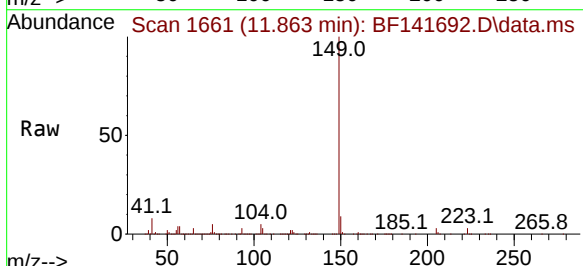
RT: 11.863 min Scan# 1661

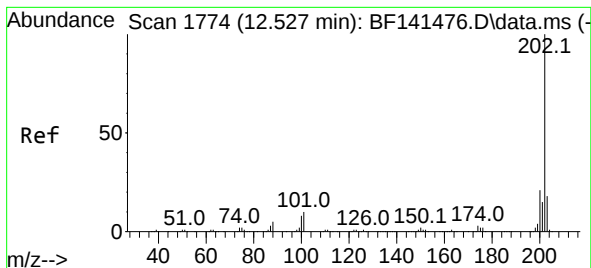
Delta R.T. -0.017 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

Tgt Ion:149 Resp: 802925
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 4.9 4.2 6.2





#75

Fluoranthene

Concen: 37.702 ng

RT: 12.510 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF141692.D

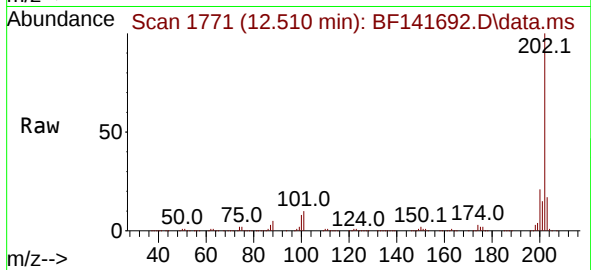
Acq: 19 Feb 2025 23:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-15-021725MSD



Tgt Ion:202 Resp: 71298

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.2

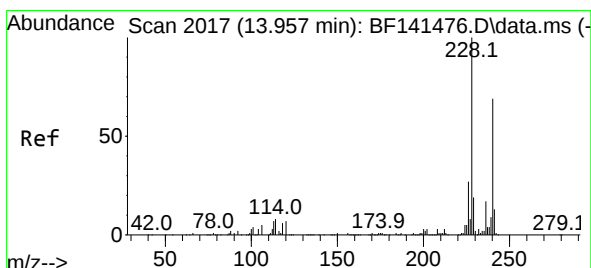
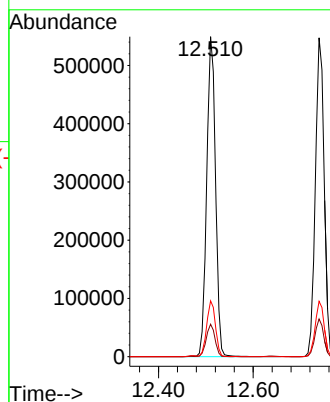
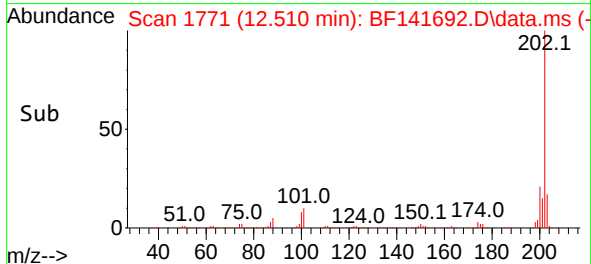
203 17.5 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.023 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

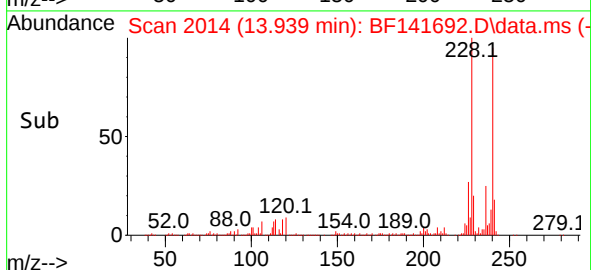
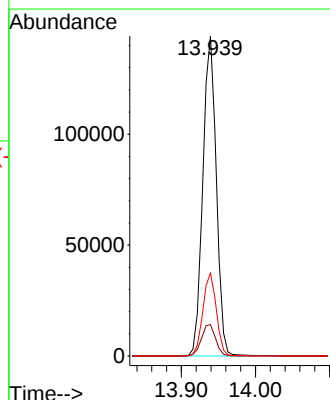
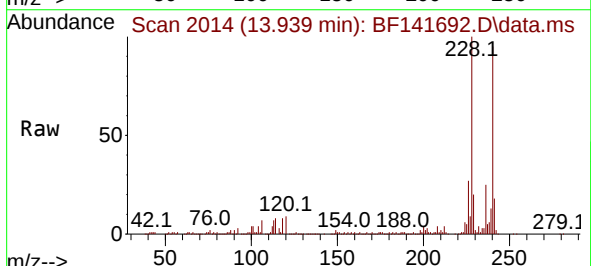
Tgt Ion:240 Resp: 182126

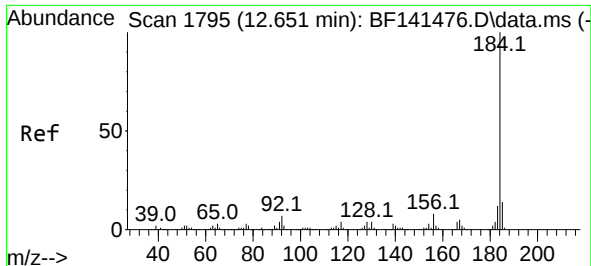
Ion Ratio Lower Upper

240 100

120 9.8 8.0 12.0

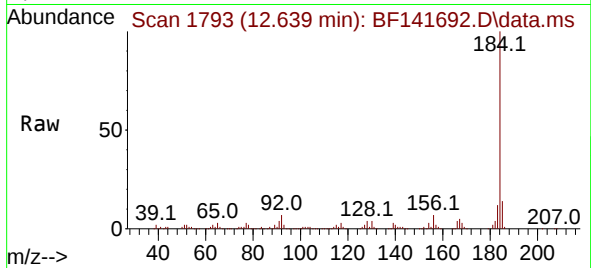
236 25.9 19.8 29.8





#77
Benzidine
Concen: 62.982 ng
RT: 12.639 min Scan# 1795
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

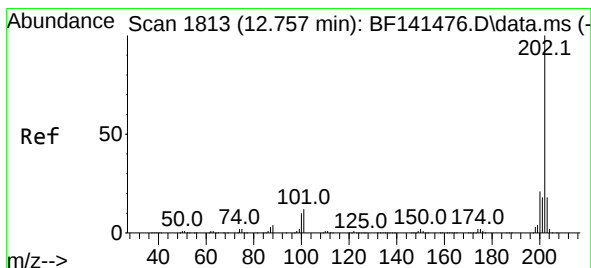
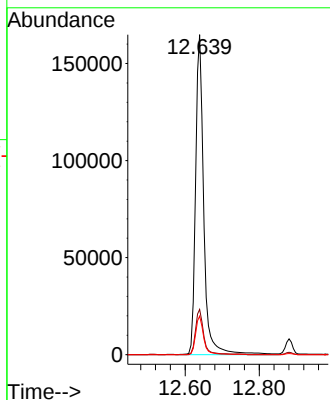
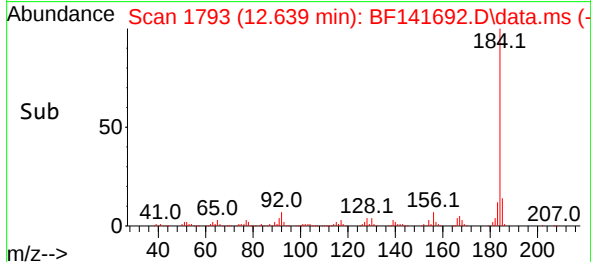
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:184 Resp: 25297
Ion Ratio Lower Upper
184 100
185 14.2 11.3 16.9
183 12.0 9.3 13.9

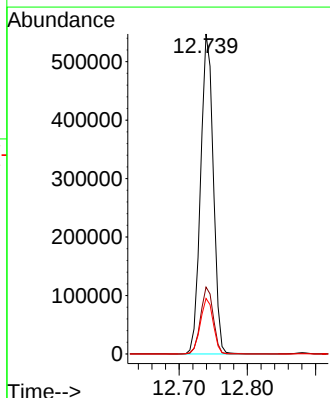
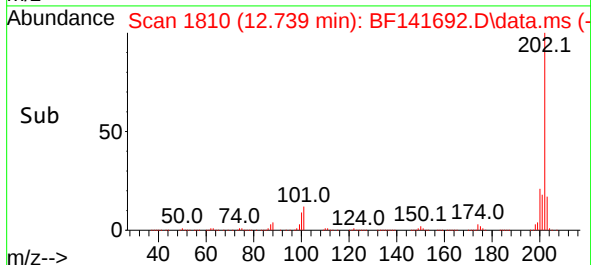
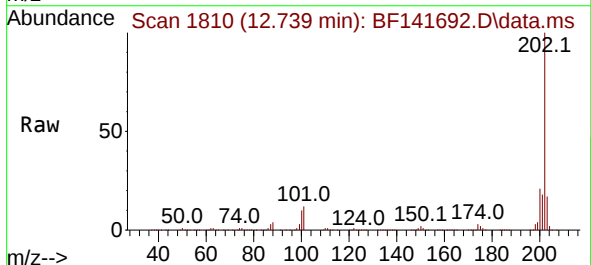
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#78
Pyrene
Concen: 45.743 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:202 Resp: 709190
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 69.185 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.023 min

Lab File: BF141692.D

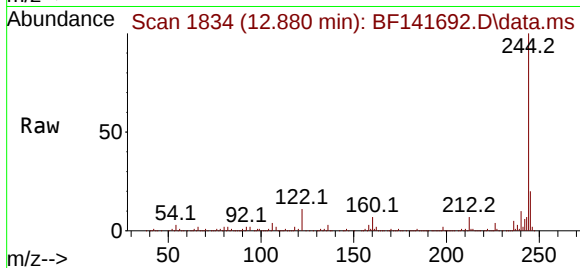
Acq: 19 Feb 2025 23:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-15-021725MSD



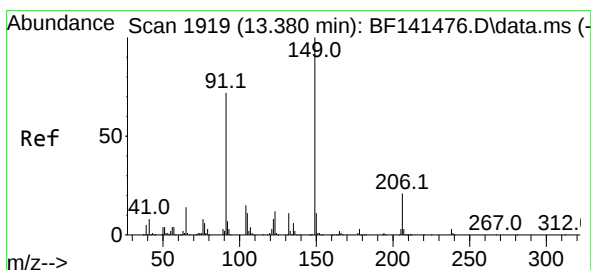
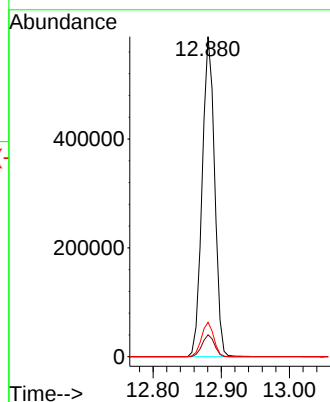
Tgt Ion:244 Resp: 74639

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.7	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#80

Butylbenzylphthalate

Concen: 50.224 ng

RT: 13.357 min Scan# 1915

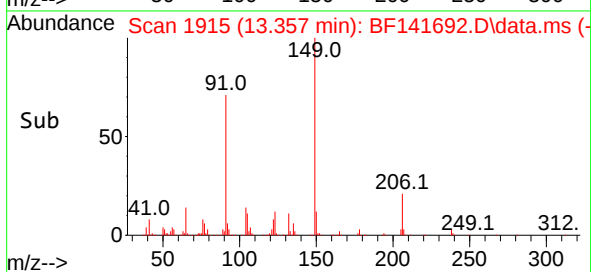
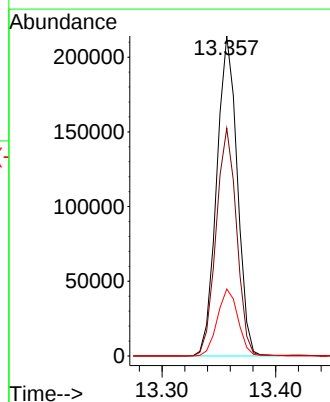
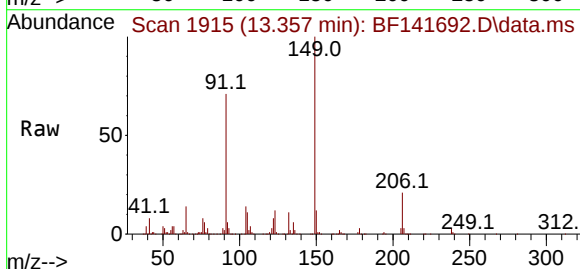
Delta R.T. -0.023 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

Tgt Ion:149 Resp: 269709

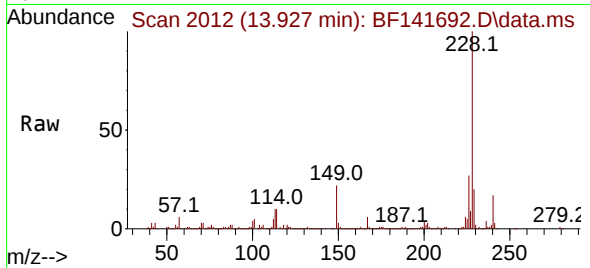
Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.8	86.8
206	20.9	16.7	25.1





#81
Benzo(a)anthracene
Concen: 41.892 ng
RT: 13.927 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

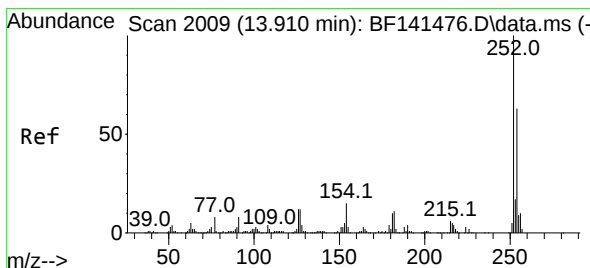
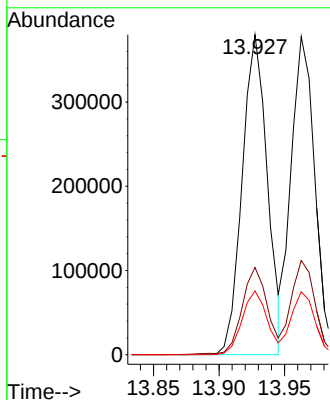
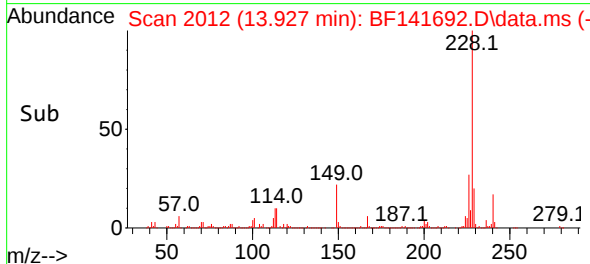
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



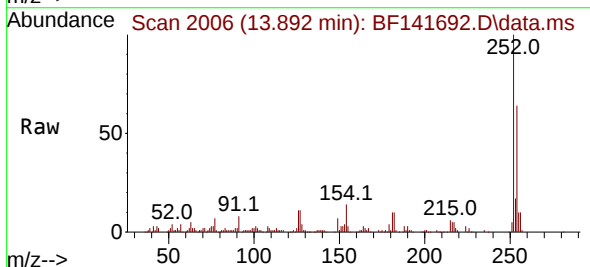
Tgt Ion:228 Resp: 50716
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.9 15.8 23.6

Manual Integrations
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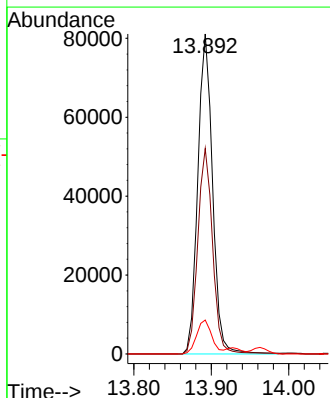
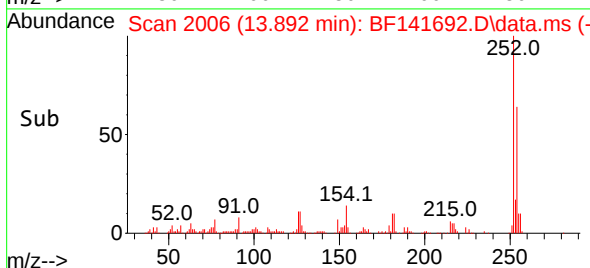
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

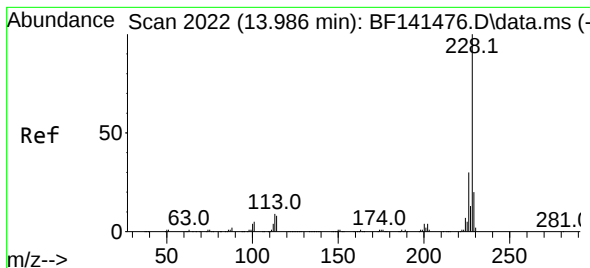


#82
3,3'-Dichlorobenzidine
Concen: 30.913 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



Tgt Ion:252 Resp: 107206
Ion Ratio Lower Upper
252 100
254 64.2 50.6 76.0
126 10.6 9.3 13.9





#83

Chrysene

Concen: 42.585 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.029 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

Instrument :

BNA_F

ClientSampleId :

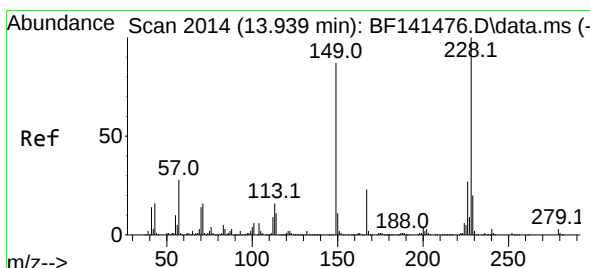
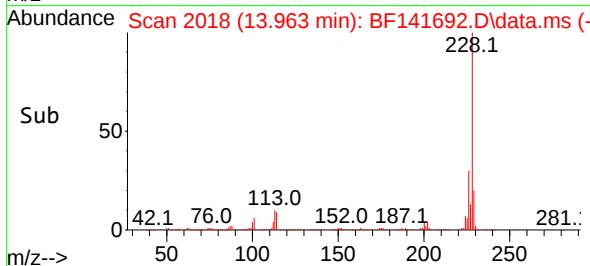
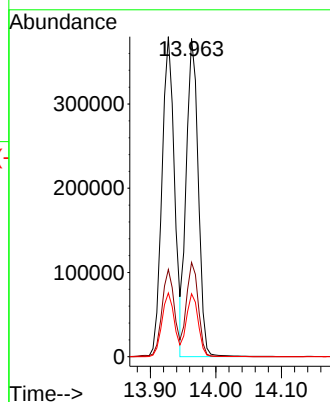
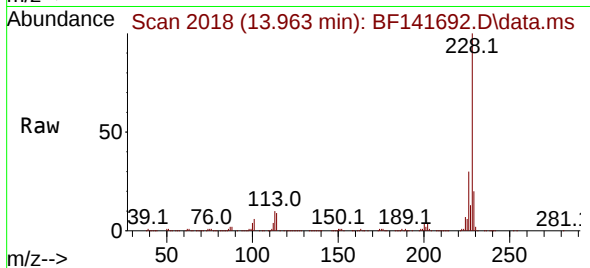
OU4-PCS-TC-15-021725MSD

Tgt Ion:228 Resp: 476035
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.0 36.0
 229 19.8 15.7 23.5

Manual Integrations

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Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.207 ng

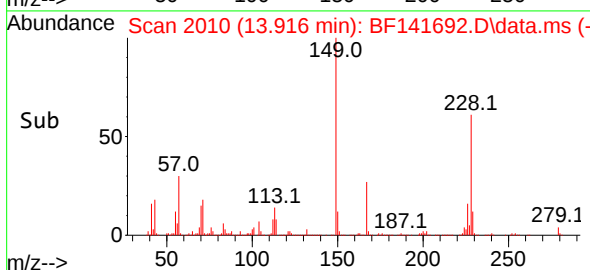
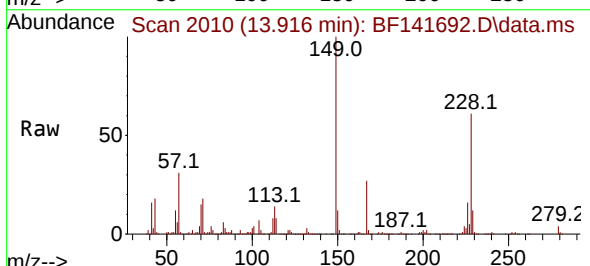
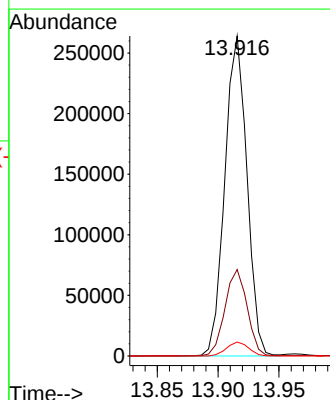
RT: 13.916 min Scan# 2010

Delta R.T. -0.023 min

Lab File: BF141692.D

Acq: 19 Feb 2025 23:36

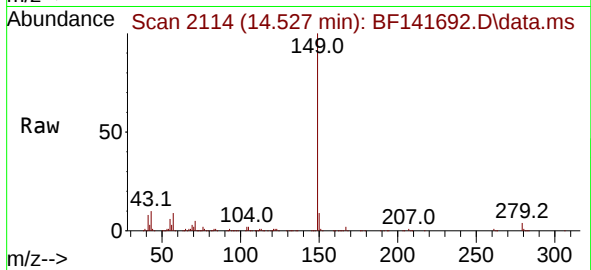
Tgt Ion:149 Resp: 334366
 Ion Ratio Lower Upper
 149 100
 167 27.0 21.4 32.0
 279 4.4 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 57.843 ng
RT: 14.527 min Scan# 2114
Delta R.T. -0.035 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

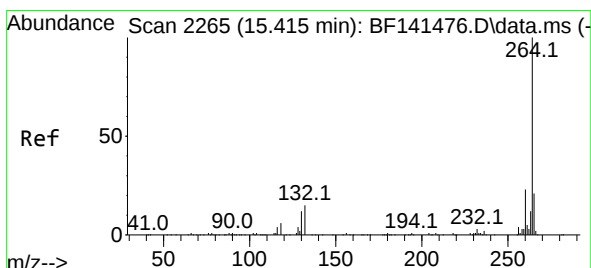
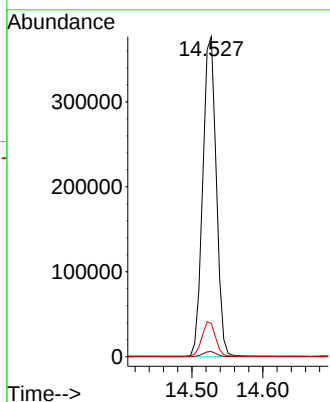
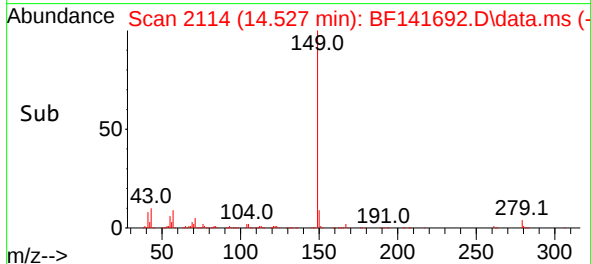
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



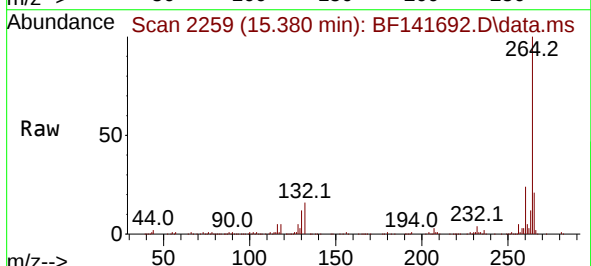
Tgt Ion:149 Resp: 499782
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 10.7 9.5 14.3

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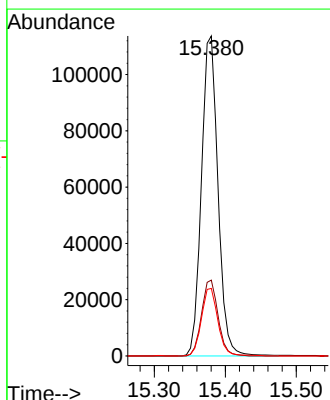
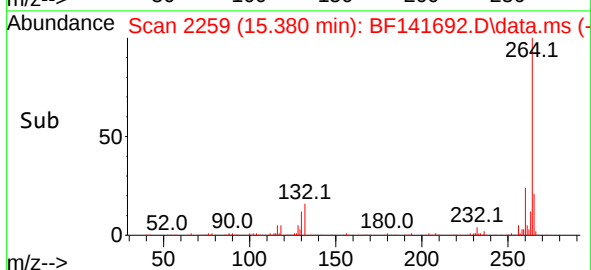
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

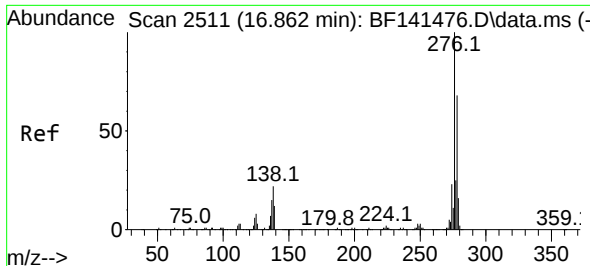


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



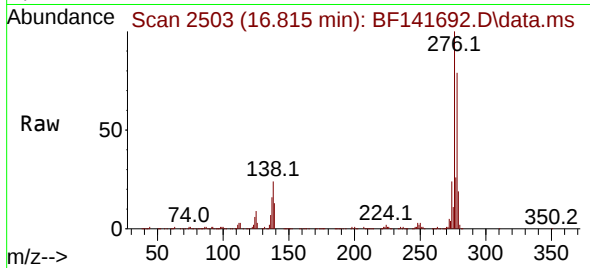
Tgt Ion:264 Resp: 184442
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 21.1 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 49.972 ng
RT: 16.815 min Scan# 2188
Delta R.T. -0.059 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

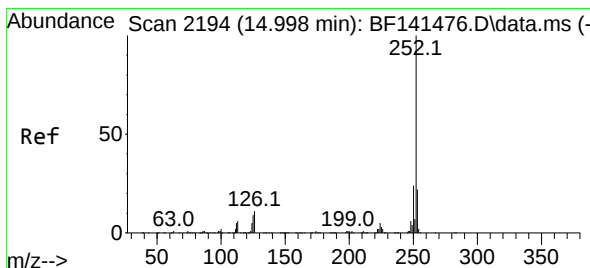
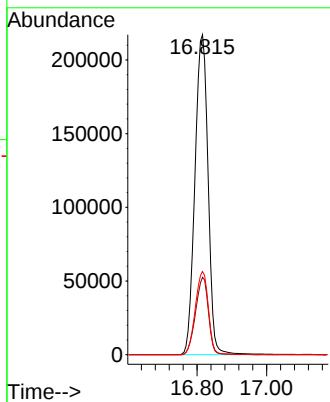
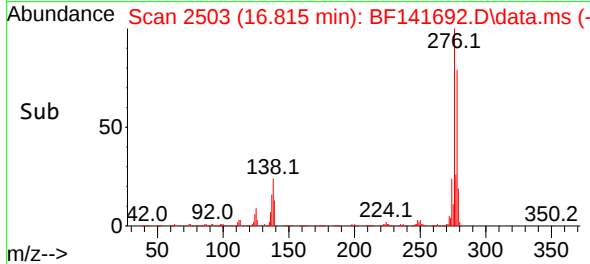
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



Tgt Ion:276 Resp: 56951
Ion Ratio Lower Upper
276 100
138 23.5 18.0 27.0
277 25.8 20.4 30.6

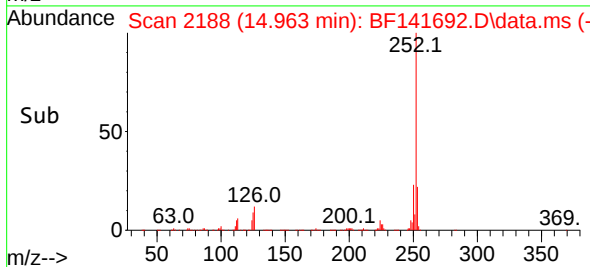
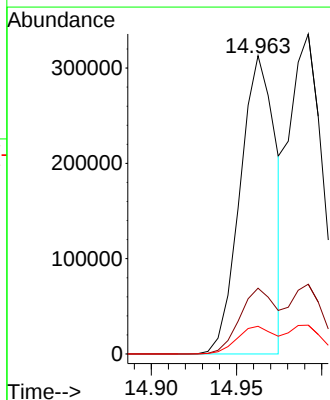
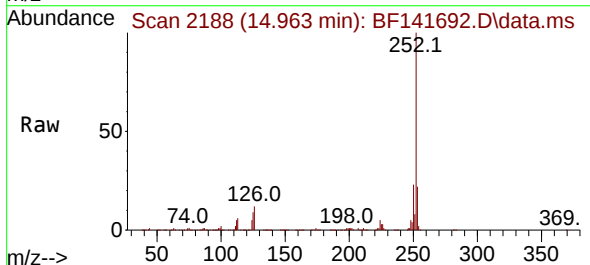
Manual Integrations
APPROVED

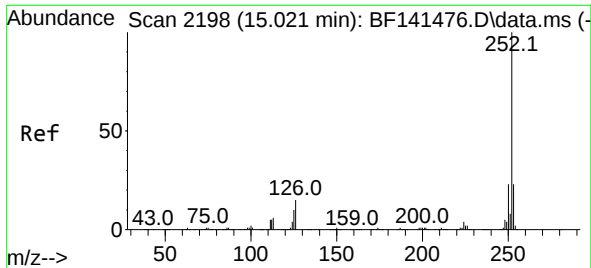
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#88
Benzo(b)fluoranthene
Concen: 36.652 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

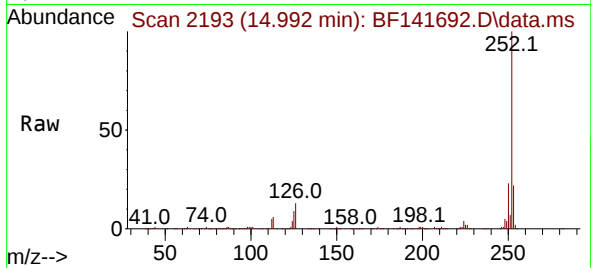
Tgt Ion:252 Resp: 453916
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.3 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 43.450 ng
RT: 14.992 min Scan# 2198
Delta R.T. -0.041 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

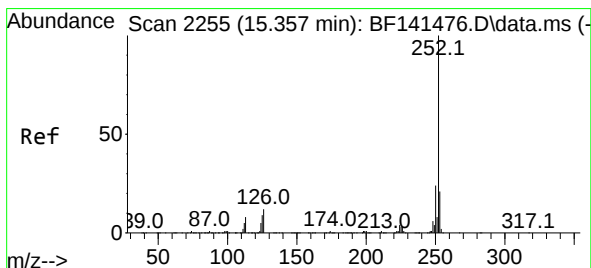
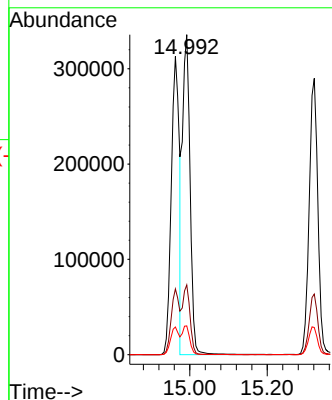
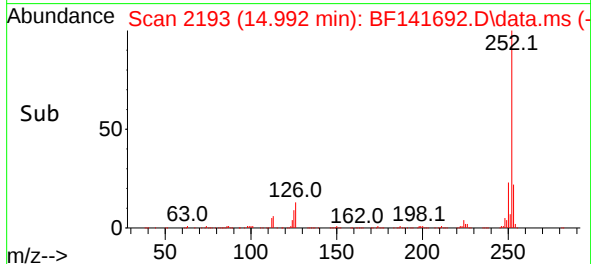
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



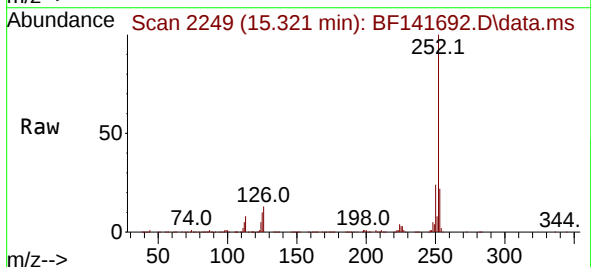
Tgt Ion:252 Resp: 45948
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 9.0 7.4 11.0

Manual Integrations
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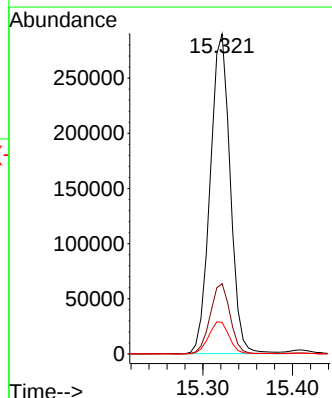
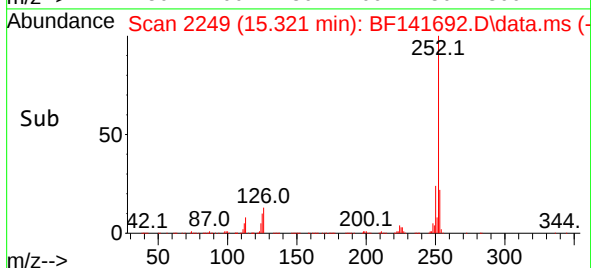
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

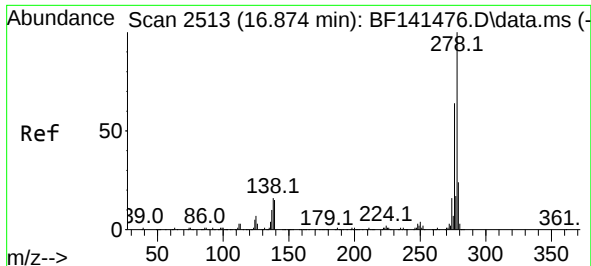


#90
Benzo(a)pyrene
Concen: 44.799 ng
RT: 15.321 min Scan# 2249
Delta R.T. -0.041 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



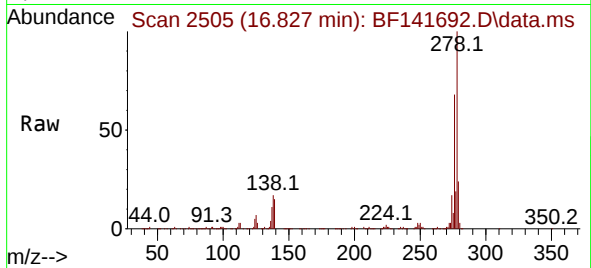
Tgt Ion:252 Resp: 448930
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 9.9 7.4 11.2





#91
Dibenzo(a,h)anthracene
Concen: 50.227 ng
RT: 16.827 min Scan# 2505
Delta R.T. -0.064 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

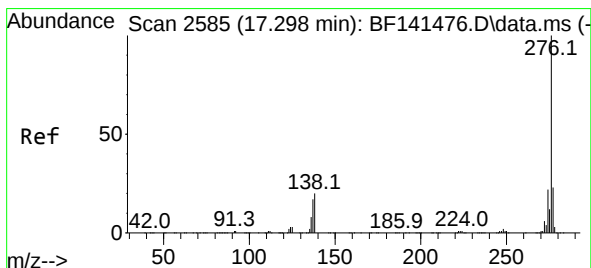
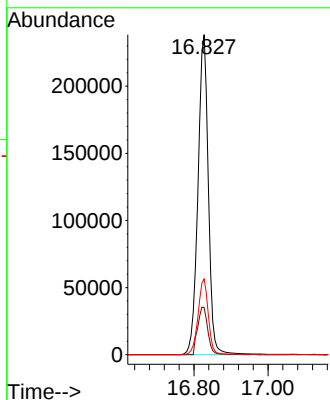
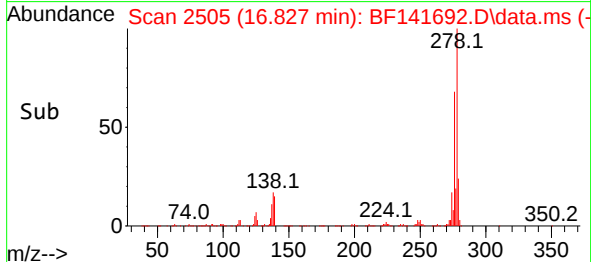
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD



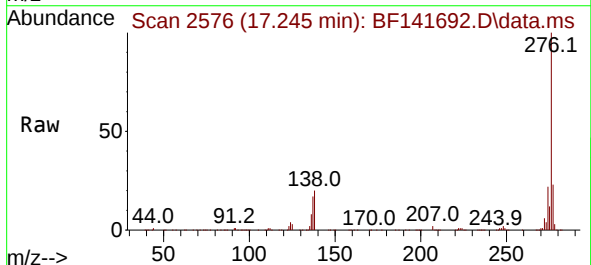
Tgt Ion:278 Resp: 463810
Ion Ratio Lower Upper
278 100
139 14.8 11.8 17.6
279 23.7 19.1 28.7

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#92
Benzo(g,h,i)perylene
Concen: 46.085 ng
RT: 17.245 min Scan# 2576
Delta R.T. -0.070 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36



Tgt Ion:276 Resp: 445339
Ion Ratio Lower Upper
276 100
277 23.1 18.6 28.0
138 19.7 15.9 23.9

