

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
 Data File : BF140949.D
 Acq On : 20 Dec 2024 14:36
 Operator : RC/JU
 Sample : P5306-09MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-VSL-11-121224MSD

Quant Time: Dec 20 15:07:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	45949	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	175670	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	102157	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	188148	20.000	ng	0.00
76) Chrysene-d12	14.045	240	131096	20.000	ng	0.01
86) Perylene-d12	15.562	264	113765	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	397303	142.339	ng	0.01
7) Phenol-d6	6.504	99	518890	140.353	ng	0.00
23) Nitrobenzene-d5	7.416	82	315005	89.714	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	162262	134.298	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	644674	86.762	ng	0.00
79) Terphenyl-d14	12.963	244	767138	92.274	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.710	88	57585	47.896	ng	98
3) Pyridine	3.481	79	136795	49.130	ng	99
4) n-Nitrosodimethylamine	3.434	42	71728	51.102	ng	96
6) Aniline	6.516	93	130848	41.394	ng	# 70
8) 2-Chlorophenol	6.645	128	172137	56.552	ng	99
9) Benzaldehyde	6.410	77	33958	16.577	ng	99
10) Phenol	6.516	94	224652	58.630	ng	98
11) bis(2-Chloroethyl)ether	6.587	93	152512	53.372	ng	98
12) 1,3-Dichlorobenzene	6.786	146	181700	52.387	ng	97
13) 1,4-Dichlorobenzene	6.869	146	185568	52.708	ng	99
14) 1,2-Dichlorobenzene	7.016	146	176510	53.137	ng	99
15) Benzyl Alcohol	7.004	79	151766	57.414	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.116	45	177636	52.770	ng	91
17) 2-Methylphenol	7.122	107	138692	57.071	ng	98
18) Hexachloroethane	7.351	117	66118	50.446	ng	97
19) n-Nitroso-di-n-propyla...	7.263	70	119168	53.736	ng	99
20) 3+4-Methylphenols	7.275	107	185300	57.503	ng	# 82
22) Acetophenone	7.263	105	241328	54.917	ng	94
24) Nitrobenzene	7.439	77	180083	50.063	ng	95
25) Isophorone	7.675	82	314395	53.439	ng	99
26) 2-Nitrophenol	7.751	139	94485	57.032	ng	95
27) 2,4-Dimethylphenol	7.792	122	127969	66.141	ng	98
28) bis(2-Chloroethoxy)met...	7.881	93	188944	51.420	ng	99
29) 2,4-Dichlorophenol	8.004	162	149408	55.934	ng	99
30) 1,2,4-Trichlorobenzene	8.075	180	153263	50.051	ng	98
31) Naphthalene	8.151	128	517245	53.602	ng	99
32) Benzoic acid	7.945	122	71840	39.151	ng	97
33) 4-Chloroaniline	8.210	127	70709	22.062	ng	97
34) Hexachlorobutadiene	8.263	225	100776	48.916	ng	100
35) Caprolactam	8.592	113	34636	43.555	ng	89
36) 4-Chloro-3-methylphenol	8.710	107	163449	54.366	ng	99
37) 2-Methylnaphthalene	8.845	142	343391	53.795	ng	100
38) 1-Methylnaphthalene	8.945	142	318541	50.458	ng	99
40) 1,2,4,5-Tetrachloroben...	9.010	216	169136	53.866	ng	98
41) Hexachlorocyclopentadiene	8.992	237	31402	41.662	ng	100
43) 2,4,6-Trichlorophenol	9.133	196	102644	53.386	ng	98

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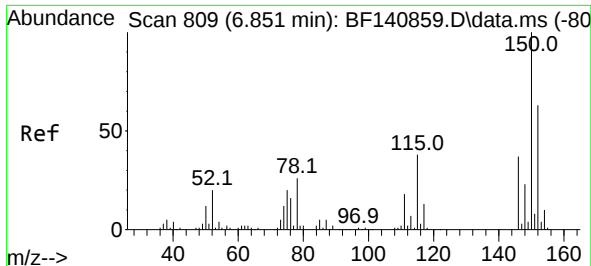
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	107412	50.828	ng	99
46) 1,1'-Biphenyl	9.304	154	433578	53.374	ng	99
47) 2-Chloronaphthalene	9.333	162	319959	51.486	ng	98
48) 2-Nitroaniline	9.439	65	100764	53.688	ng	94
49) Acenaphthylene	9.751	152	529169	57.943	ng	99
50) Dimethylphthalate	9.604	163	378063	52.492	ng	100
51) 2,6-Dinitrotoluene	9.680	165	84402	51.261	ng	95
52) Acenaphthene	9.922	154	324577	55.638	ng	99
53) 3-Nitroaniline	9.857	138	49243	30.137	ng	93
54) 2,4-Dinitrophenol	9.980	184	79873	97.834	ng	93
55) Dibenzofuran	10.092	168	493268	54.567	ng	100
56) 4-Nitrophenol	10.045	139	72978	82.863	ng	97
57) 2,4-Dinitrotoluene	10.092	165	113633	52.453	ng	99
58) Fluorene	10.439	166	397342	53.279	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.222	232	97009	56.336	ng	91
60) Diethylphthalate	10.304	149	376001	50.345	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	193903	51.761	ng	98
62) 4-Nitroaniline	10.474	138	80656	47.236	ng	97
63) Azobenzene	10.586	77	404359	57.590	ng	95
65) 4,6-Dinitro-2-methylph...	10.510	198	64685	60.672	ng	96
66) n-Nitrosodiphenylamine	10.545	169	341229	58.988	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	117531	55.838	ng	96
68) Hexachlorobenzene	10.992	284	133215	55.821	ng	98
69) Atrazine	11.074	200	111739	69.163	ng	99
70) Pentachlorophenol	11.198	266	74523	85.412	ng	98
71) Phenanthrene	11.404	178	569035	58.813	ng	99
72) Anthracene	11.457	178	585440	61.442	ng	100
73) Carbazole	11.616	167	541131	57.981	ng	100
74) Di-n-butylphthalate	11.927	149	577959	52.767	ng	99
75) Fluoranthene	12.598	202	628778	56.429	ng	100
77) Benzidine	12.721	184	132623	49.567	ng	99
78) Pyrene	12.827	202	642867	55.145	ng	100
80) Butylbenzylphthalate	13.433	149	231266	53.914	ng	97
81) Benzo(a)anthracene	14.033	228	508709	54.752	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	84711	30.219	ng	98
83) Chrysene	14.068	228	458342	54.249	ng	99
84) Bis(2-ethylhexyl)phtha...	13.998	149	277592	50.188	ng	99
85) Di-n-octyl phthalate	14.639	149	383542	45.836	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	486592	68.540	ng	99
88) Benzo(b)fluoranthene	15.127	252	420442	53.241	ng	99
89) Benzo(k)fluoranthene	15.151	252	378547	55.882	ng	100
90) Benzo(a)pyrene	15.504	252	372093	60.174	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	395812	67.298	ng	99
92) Benzo(g,h,i)perylene	17.545	276	366040	61.149	ng	99

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

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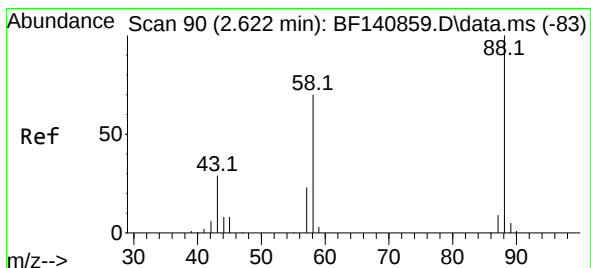
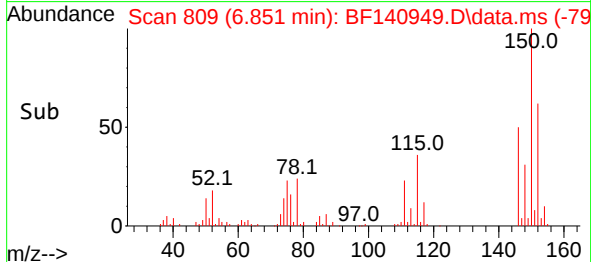
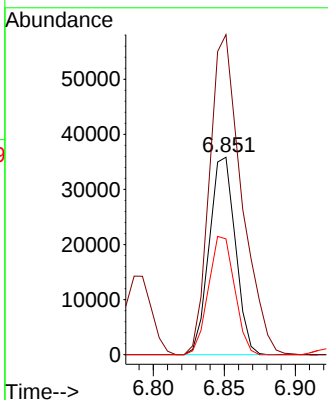
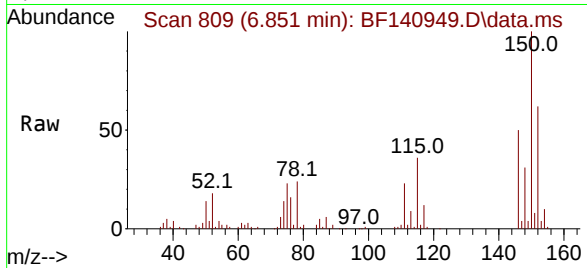




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

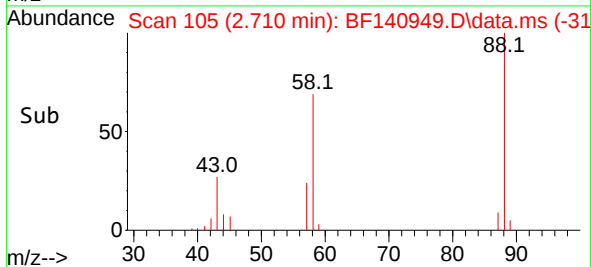
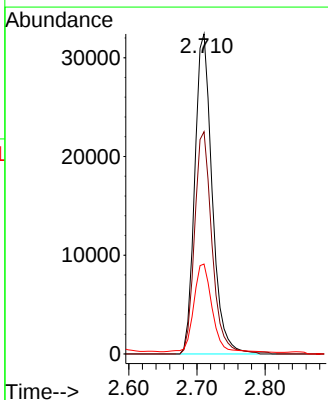
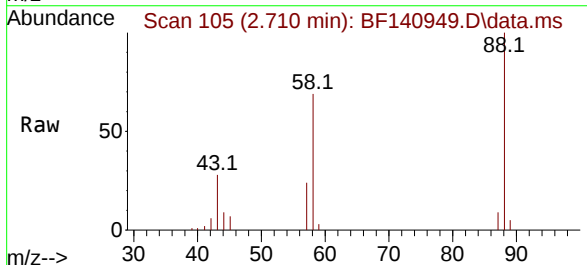
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

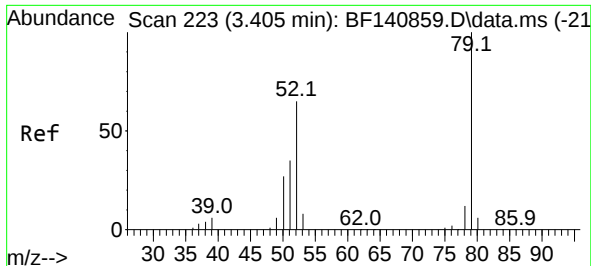
Tgt Ion:152 Resp: 45949
Ion Ratio Lower Upper
152 100
150 162.1 127.9 191.9
115 58.7 48.0 72.0



#2
1,4-Dioxane
Concen: 47.896 ng
RT: 2.710 min Scan# 105
Delta R.T. 0.088 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 88 Resp: 57585
Ion Ratio Lower Upper
88 100
58 69.3 55.8 83.8
43 30.7 22.7 34.1





#3

Pyridine

Concen: 49.130 ng

RT: 3.481 min Scan# 21

Delta R.T. 0.076 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

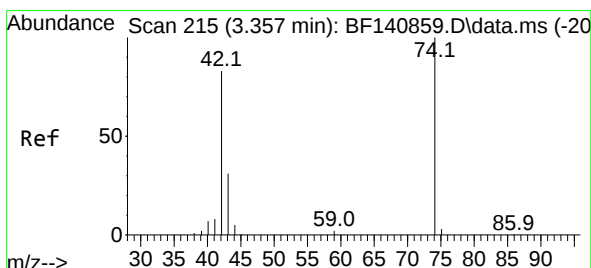
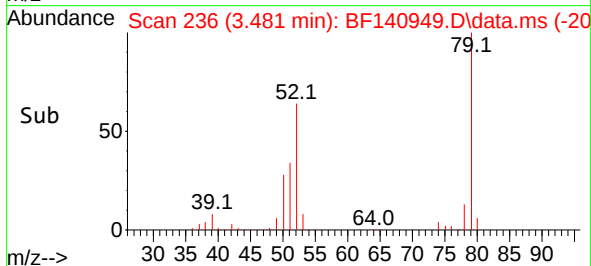
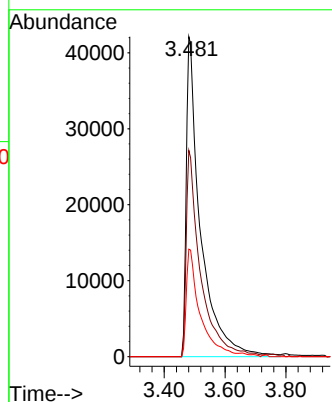
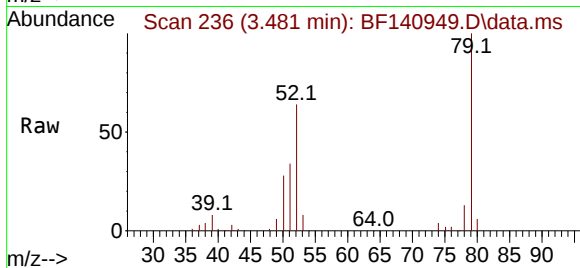
Tgt Ion: 79 Resp: 136795

Ion Ratio Lower Upper

79 100

52 64.5 51.7 77.5

51 33.6 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 51.102 ng

RT: 3.434 min Scan# 228

Delta R.T. 0.076 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

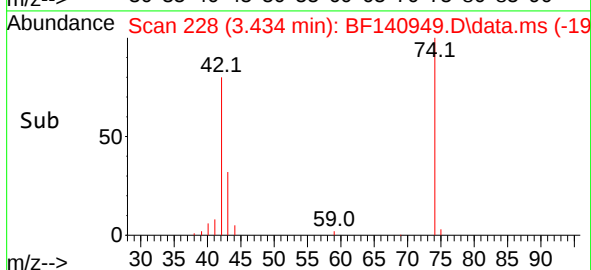
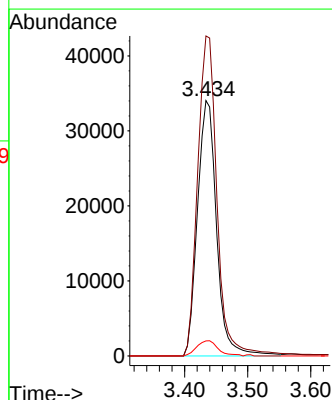
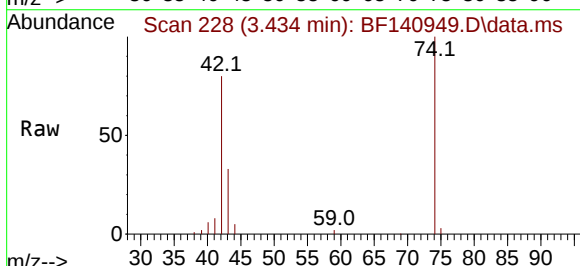
Tgt Ion: 42 Resp: 71728

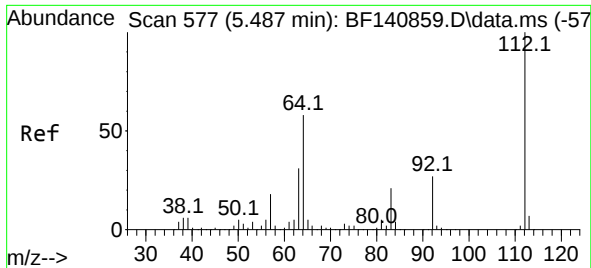
Ion Ratio Lower Upper

42 100

74 125.3 96.9 145.3

44 5.9 4.4 6.6

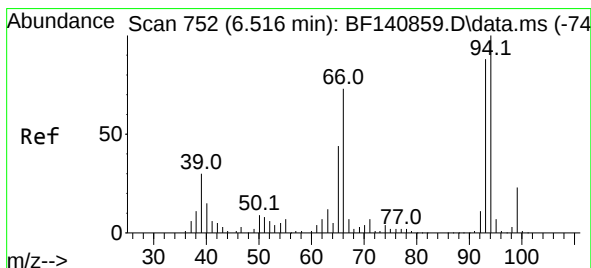
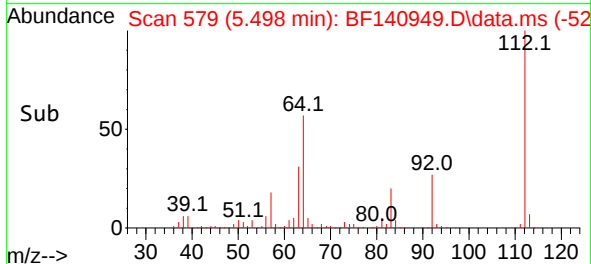
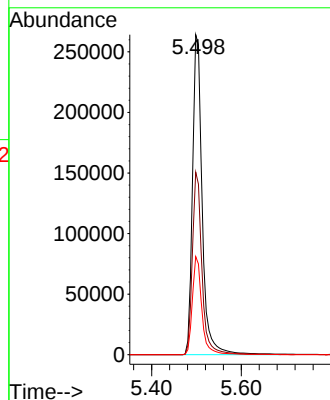
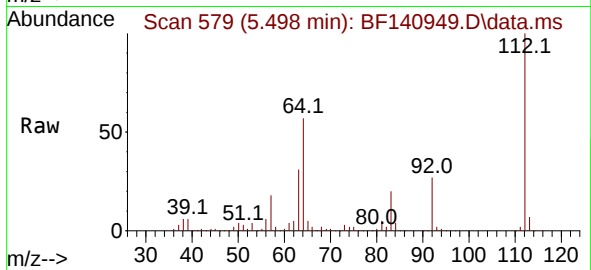




#5
2-Fluorophenol
Concen: 142.339 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

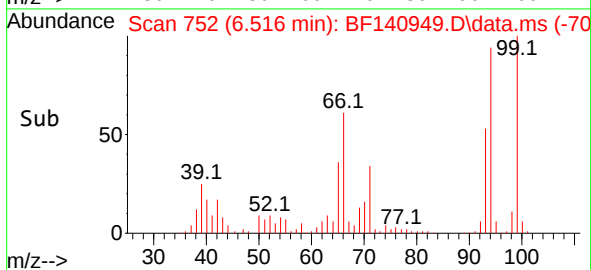
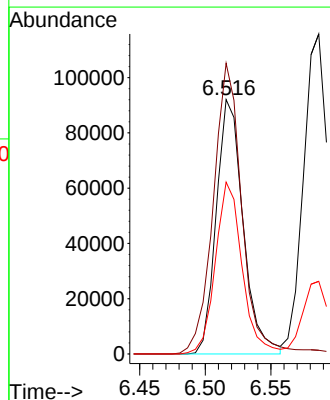
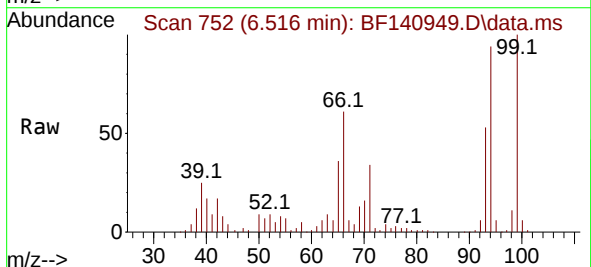
Instrument :
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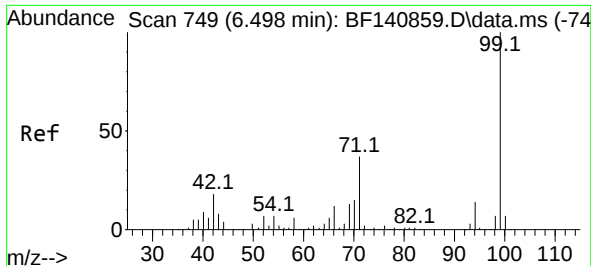
Tgt Ion:112 Resp: 397303
Ion Ratio Lower Upper
112 100
64 57.0 46.1 69.1
63 30.7 24.9 37.3



#6
Aniline
Concen: 41.394 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 93 Resp: 130848
Ion Ratio Lower Upper
93 100
66 114.3 67.0 100.4#
65 67.5 40.4 60.6#





#7

Phenol-d6

Concen: 140.353 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

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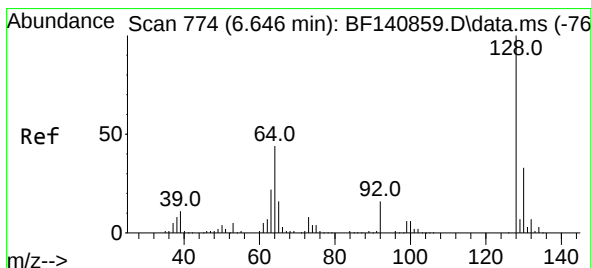
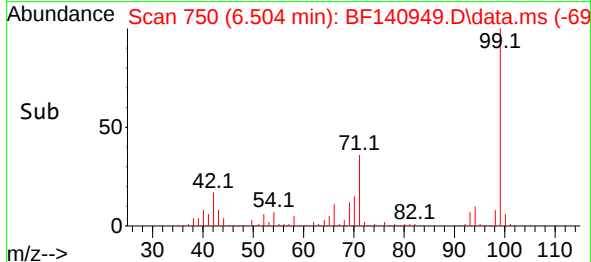
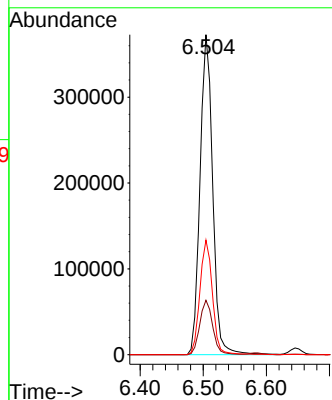
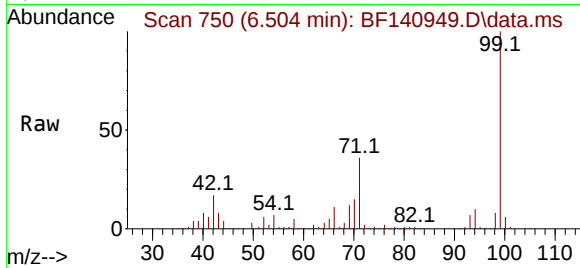
Tgt Ion: 99 Resp: 518890

Ion Ratio Lower Upper

99 100

42 17.0 14.3 21.5

71 35.8 29.9 44.9



#8

2-Chlorophenol

Concen: 56.552 ng

RT: 6.645 min Scan# 774

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

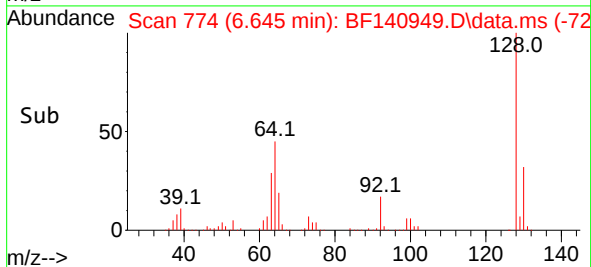
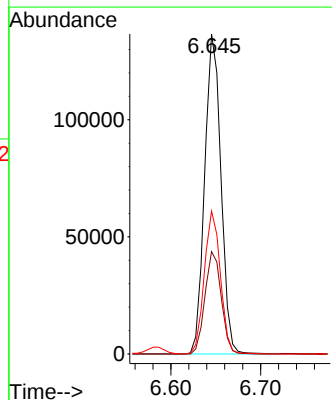
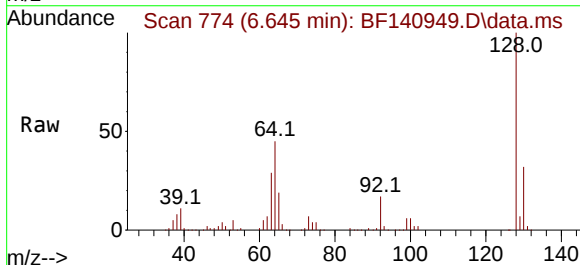
Tgt Ion:128 Resp: 172137

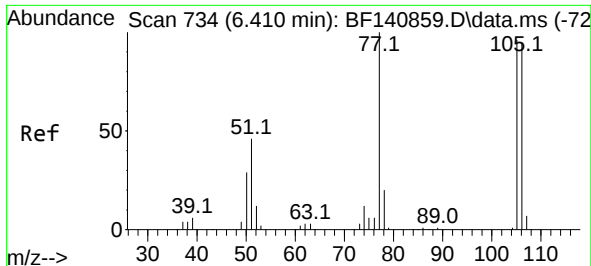
Ion Ratio Lower Upper

128 100

130 32.0 12.9 52.9

64 44.7 24.3 64.3





#9

Benzaldehyde

Concen: 16.577 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

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ClientSampleId :

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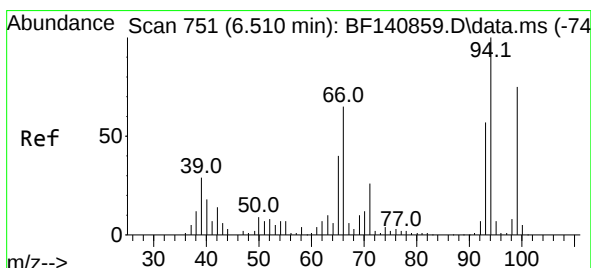
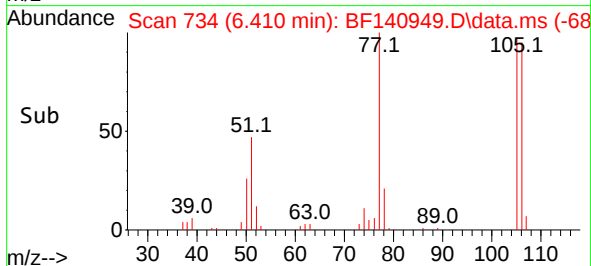
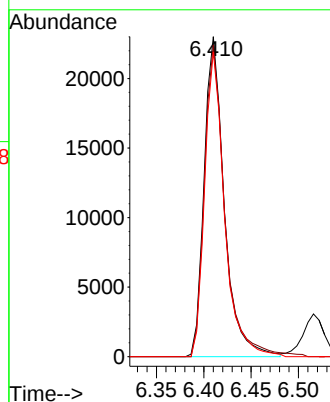
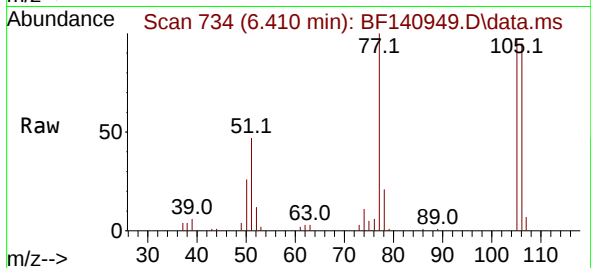
Tgt Ion: 77 Resp: 33958

Ion Ratio Lower Upper

77 100

105 97.4 75.8 115.8

106 95.2 74.1 114.1



#10

Phenol

Concen: 58.630 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

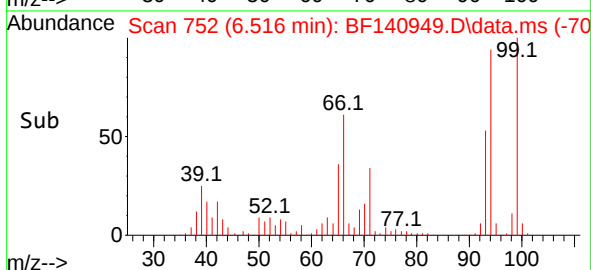
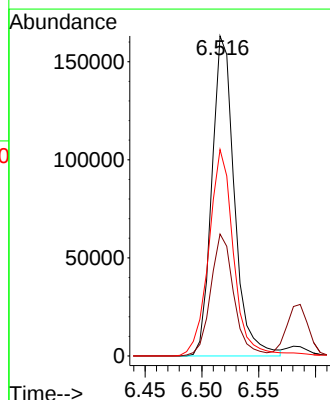
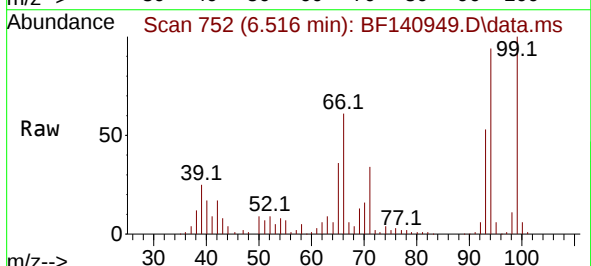
Tgt Ion: 94 Resp: 224652

Ion Ratio Lower Upper

94 100

65 38.1 19.9 59.9

66 64.5 45.6 85.6

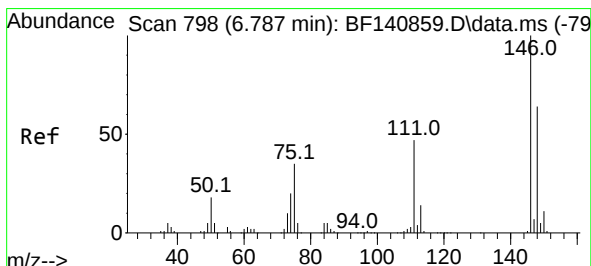
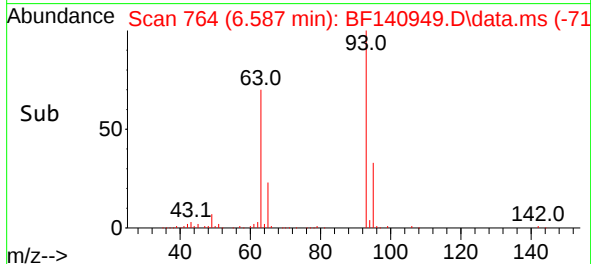
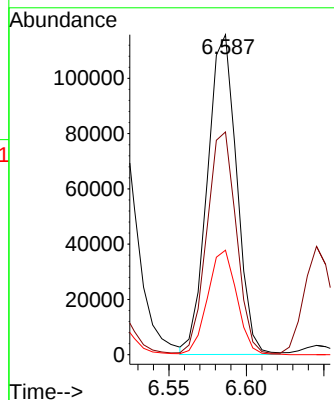
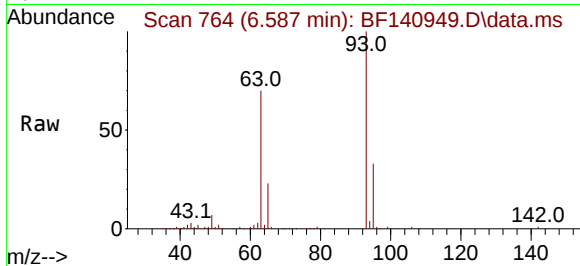




#11
bis(2-Chloroethyl)ether
Concen: 53.372 ng
RT: 6.587 min Scan# 704
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

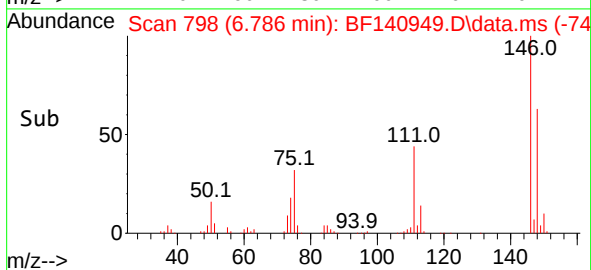
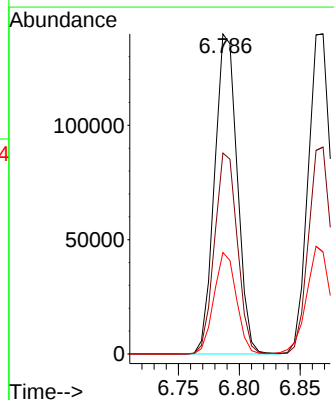
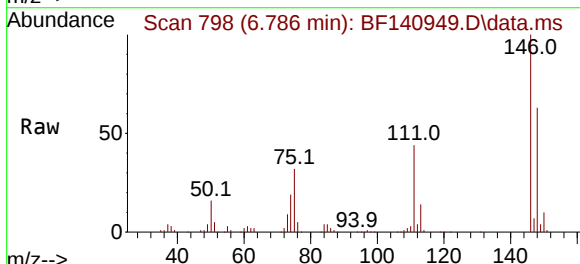
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Tgt Ion: 93 Resp: 152512
Ion Ratio Lower Upper
93 100
63 69.6 51.0 91.0
95 32.6 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 52.387 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:146 Resp: 181700
Ion Ratio Lower Upper
146 100
148 62.8 51.0 76.6
75 31.7 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 52.708 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140949.D

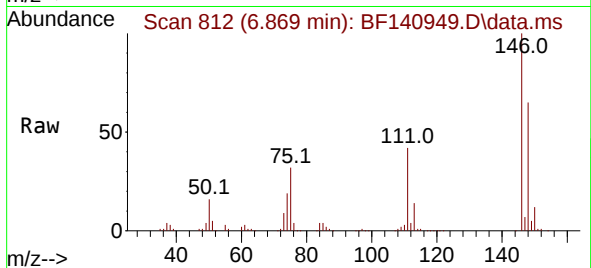
Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD



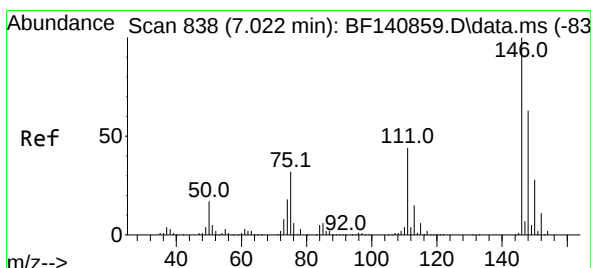
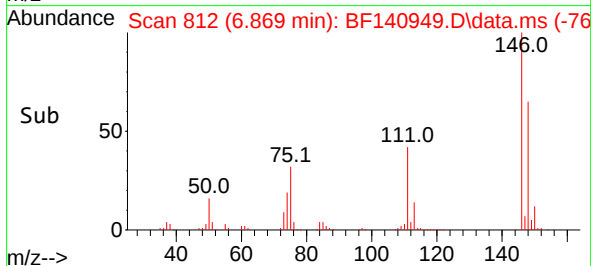
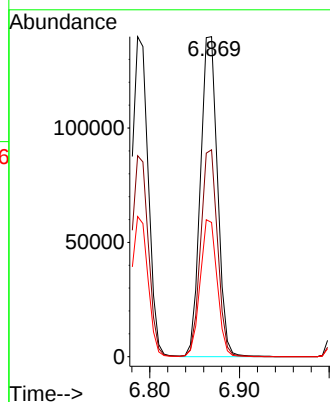
Tgt Ion:146 Resp: 185568

Ion Ratio Lower Upper

146 100

148 64.6 51.3 76.9

111 42.0 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 53.137 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

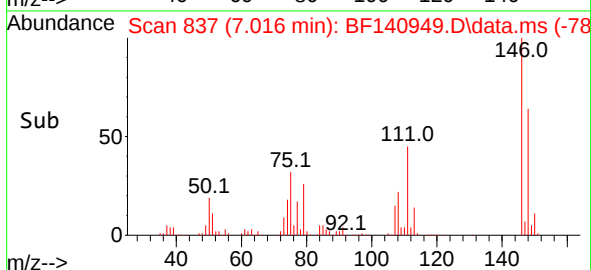
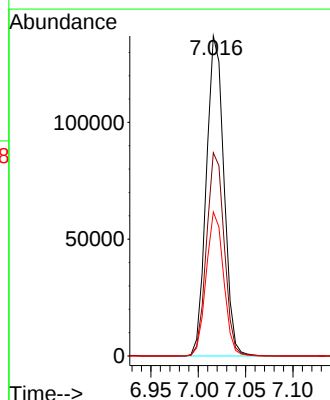
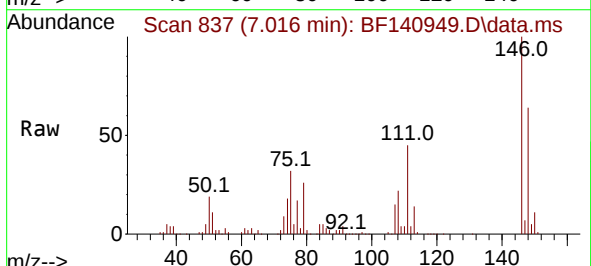
Tgt Ion:146 Resp: 176510

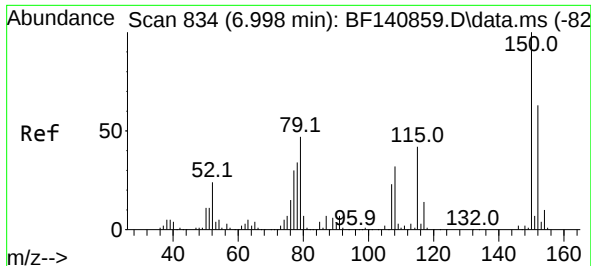
Ion Ratio Lower Upper

146 100

148 63.5 50.0 75.0

111 45.0 35.6 53.4

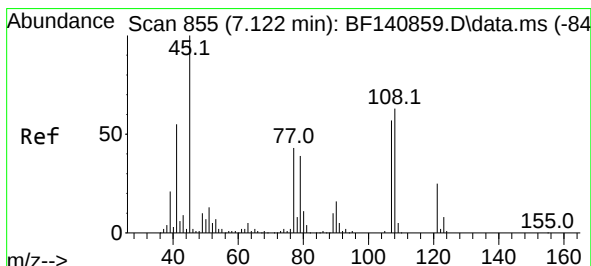
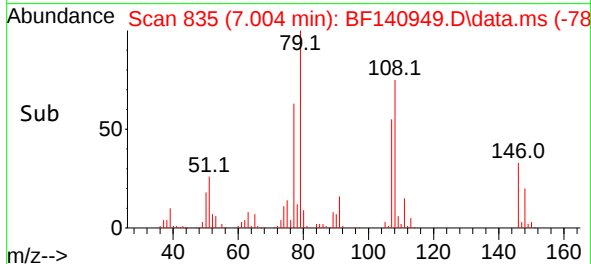
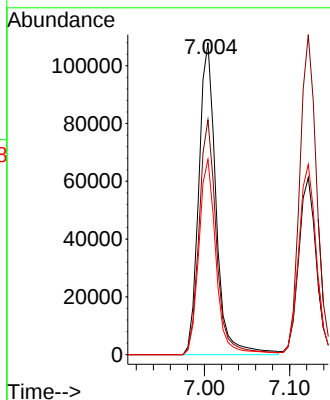
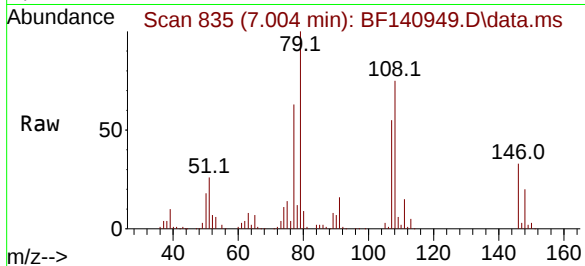




#15
Benzyl Alcohol
Concen: 57.414 ng
RT: 7.004 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

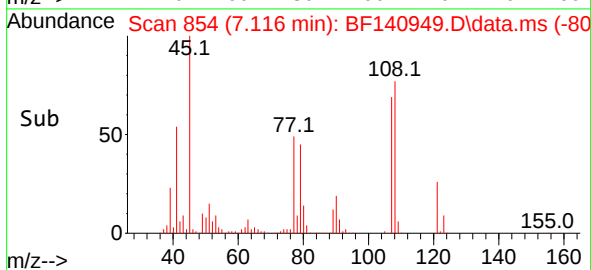
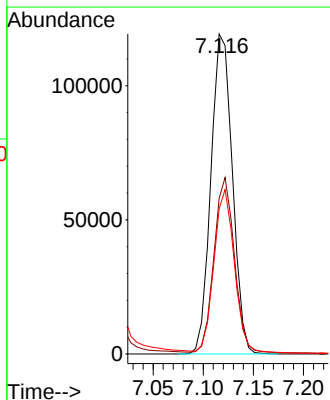
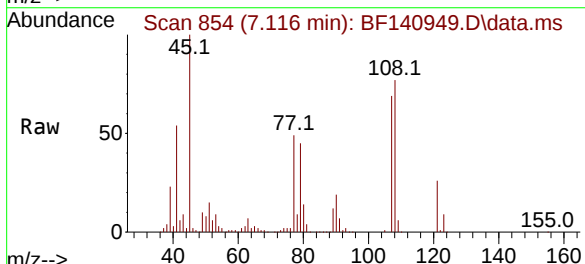
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

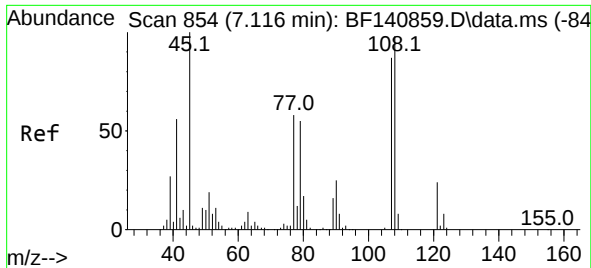
Tgt Ion: 79 Resp: 151766
Ion Ratio Lower Upper
79 100
108 75.3 55.1 82.7
77 62.6 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.770 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

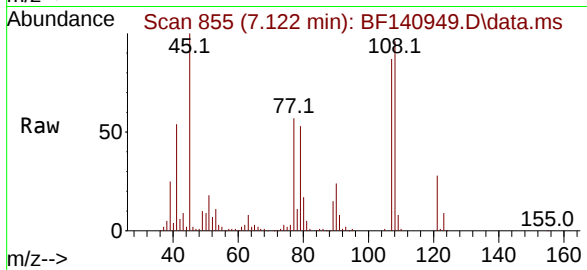
Tgt Ion: 45 Resp: 177636
Ion Ratio Lower Upper
45 100
77 48.7 23.3 63.3
79 45.4 20.0 60.0



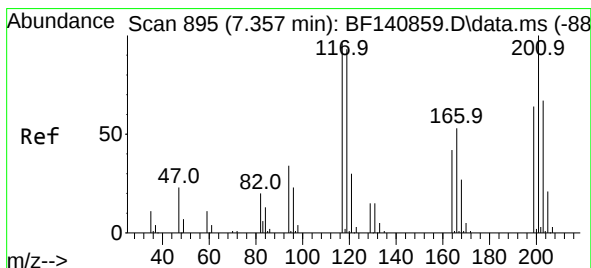
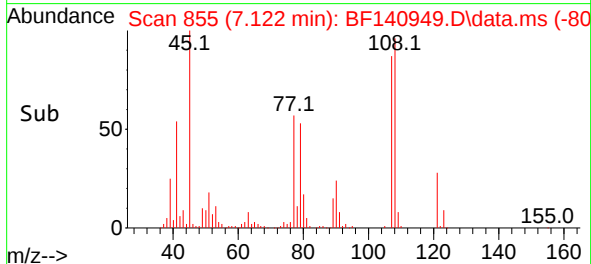
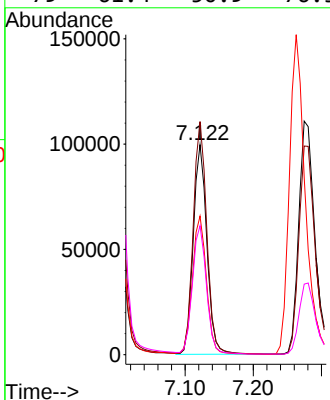


#17
2-Methylphenol
Concen: 57.071 ng
RT: 7.122 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

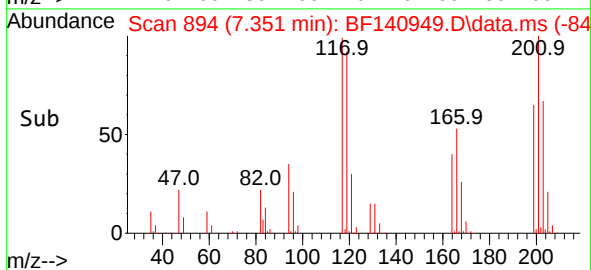
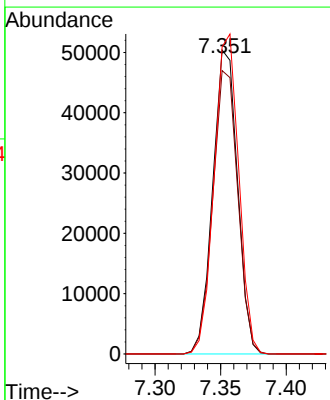
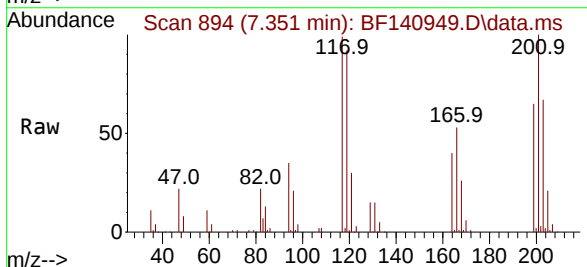


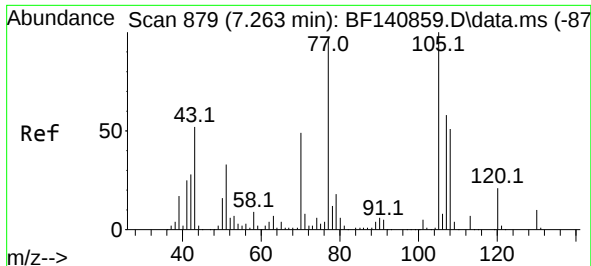
Tgt Ion:	107	Resp:	138692
Ion	Ratio	Lower	Upper
107	100		
108	111.0	90.2	135.4
77	65.9	53.8	80.6
79	61.4	50.9	76.3



#18
Hexachloroethane
Concen: 50.446 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:	117	Resp:	66118
Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.4	116.0
201	101.0	83.4	125.0





#19

n-Nitroso-di-n-propylamine

Concen: 53.736 ng

RT: 7.263 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion: 70 Resp: 119168

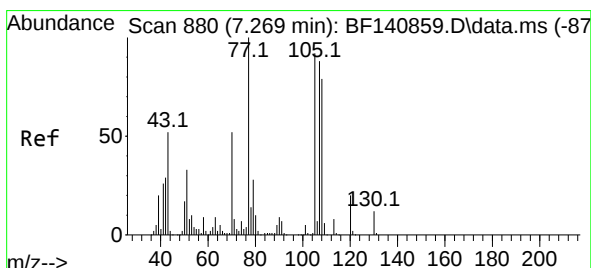
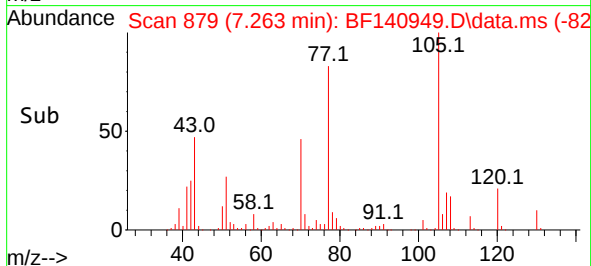
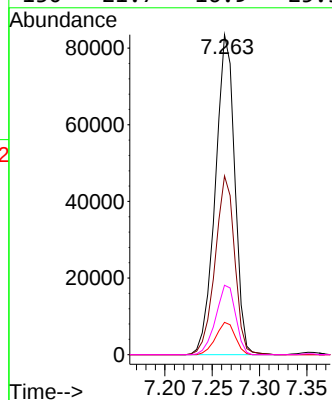
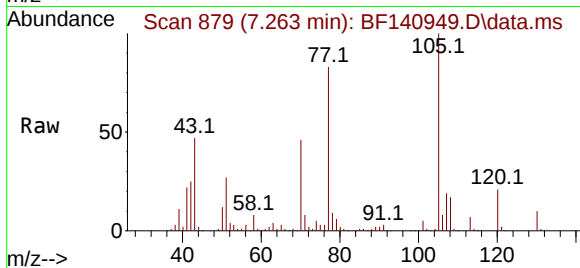
Ion Ratio Lower Upper

70 100

42 55.8 45.3 67.9

101 10.1 8.0 12.0

130 21.7 16.9 25.3



#20

3+4-Methylphenols

Concen: 57.503 ng

RT: 7.275 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Tgt Ion:107 Resp: 185300

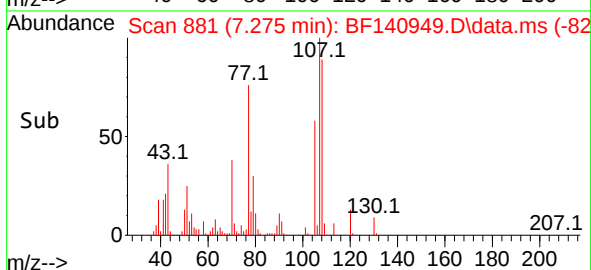
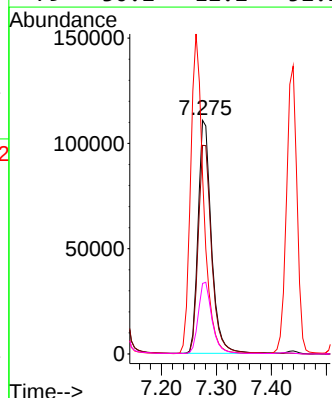
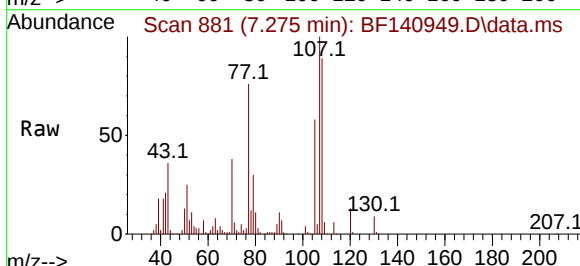
Ion Ratio Lower Upper

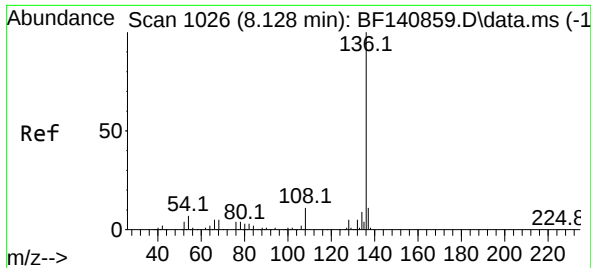
107 100

108 89.3 70.1 110.1

77 75.9 94.4 134.4#

79 30.2 12.2 52.2



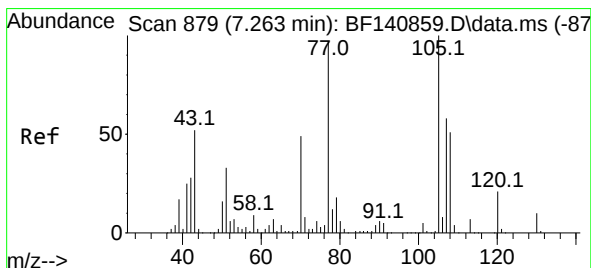
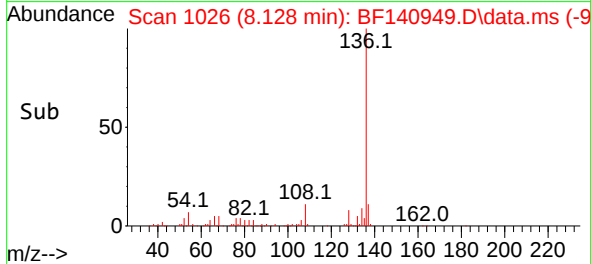
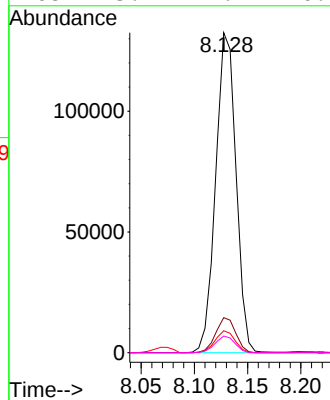
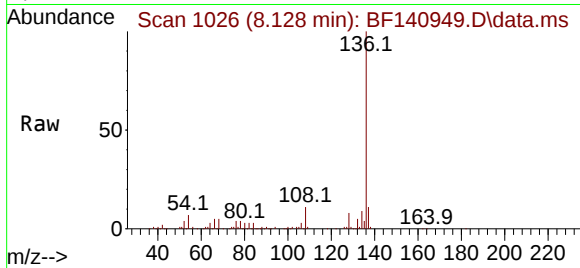


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Tgt Ion:136 Resp: 175670

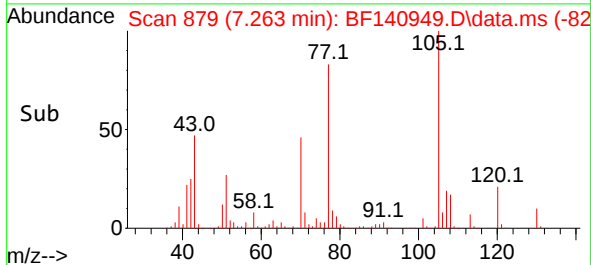
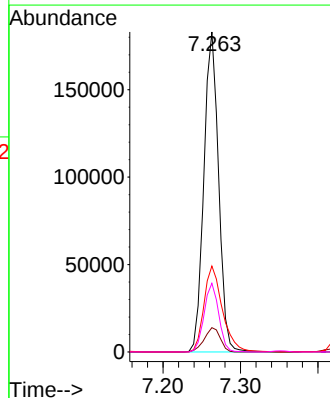
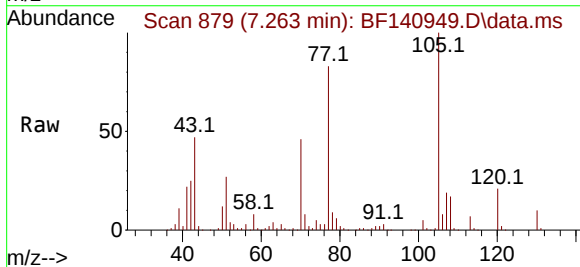
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.9	5.6	8.4
68	5.2	4.2	6.2

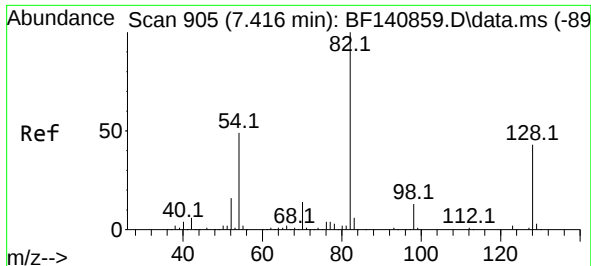


#22
Acetophenone
Concen: 54.917 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:105 Resp: 241328

Ion	Ratio	Lower	Upper
105	100		
71	7.6	6.2	9.4
51	26.8	26.3	39.5
120	21.4	17.1	25.7

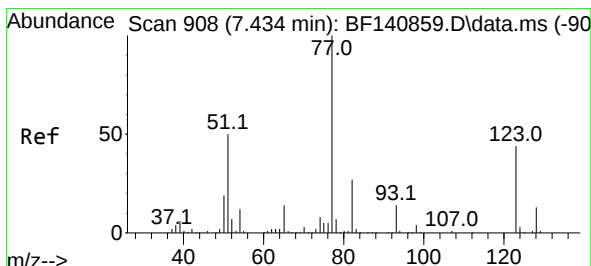
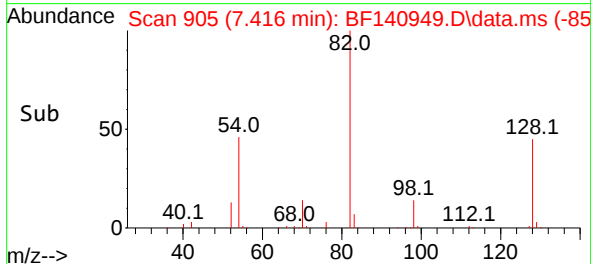
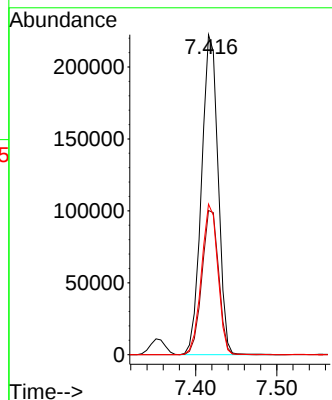
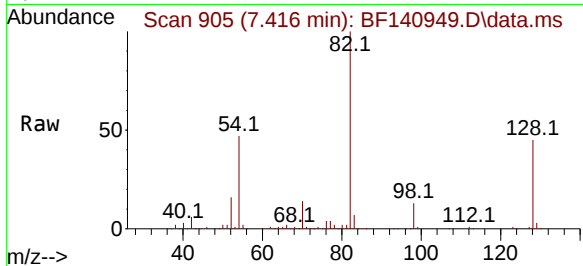




#23
Nitrobenzene-d5
Concen: 89.714 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

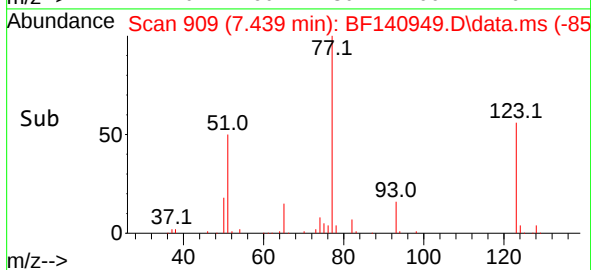
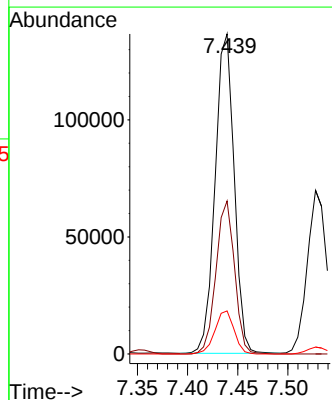
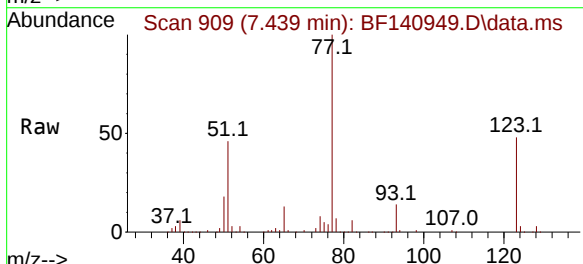
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

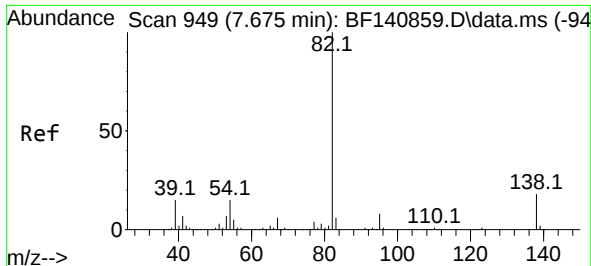
Tgt Ion: 82 Resp: 315005
Ion Ratio Lower Upper
82 100
128 45.1 34.4 51.6
54 47.1 38.8 58.2



#24
Nitrobenzene
Concen: 50.063 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 77 Resp: 180083
Ion Ratio Lower Upper
77 100
123 47.8 35.0 52.4
65 13.4 11.4 17.0

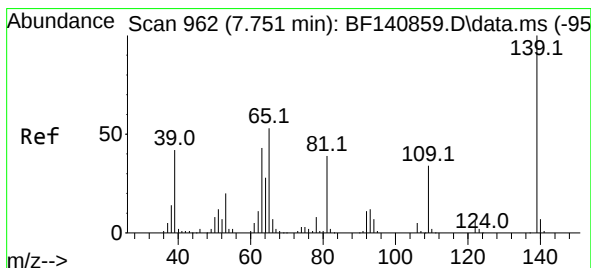
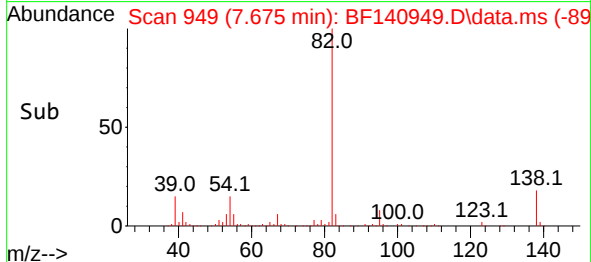
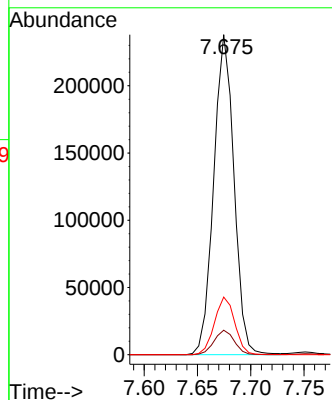
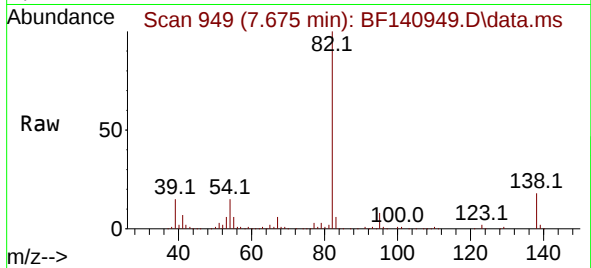




#25
Isophorone
Concen: 53.439 ng
RT: 7.675 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

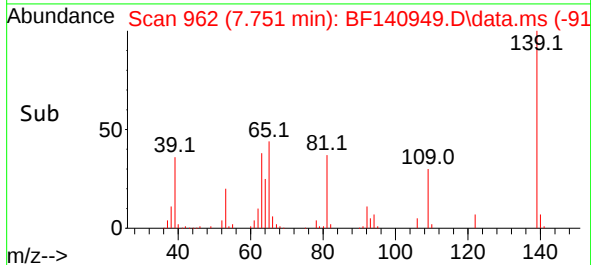
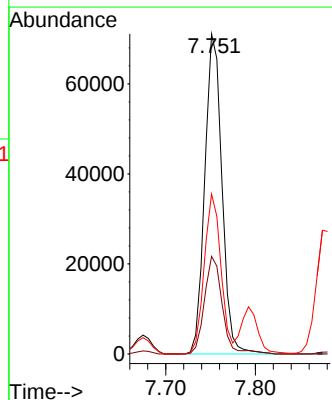
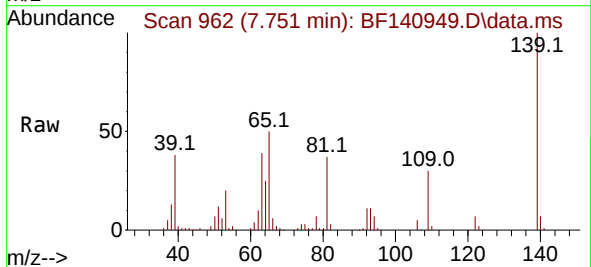
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Tgt Ion: 82 Resp: 314395
Ion Ratio Lower Upper
82 100
95 7.6 6.3 9.5
138 18.0 14.1 21.1



#26
2-Nitrophenol
Concen: 57.032 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 139 Resp: 94485
Ion Ratio Lower Upper
139 100
109 30.5 26.9 40.3
65 50.0 42.6 64.0

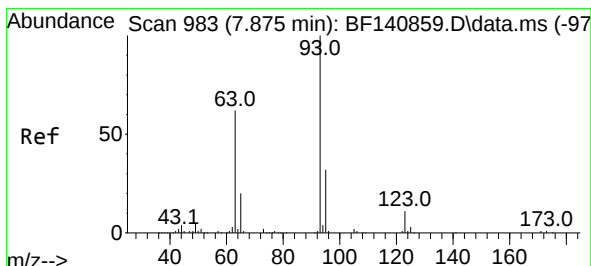
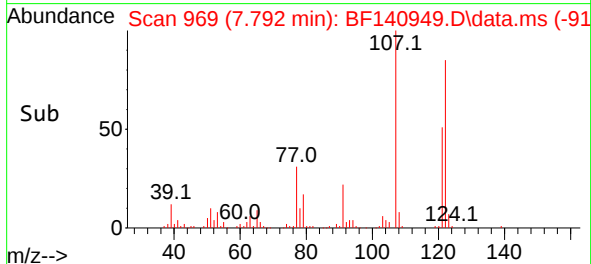
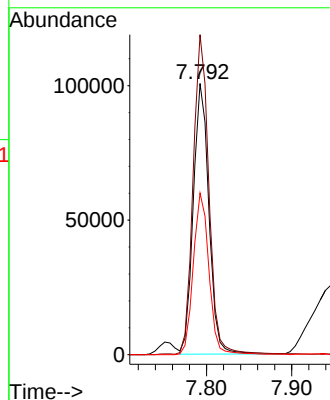
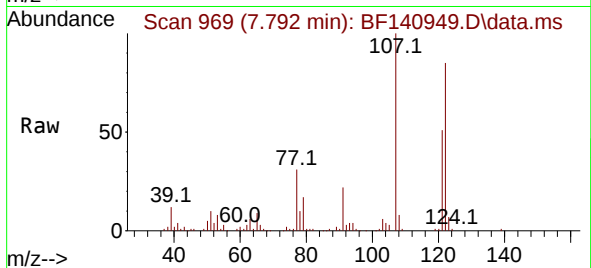




#27
2,4-Dimethylphenol
Concen: 66.141 ng
RT: 7.792 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

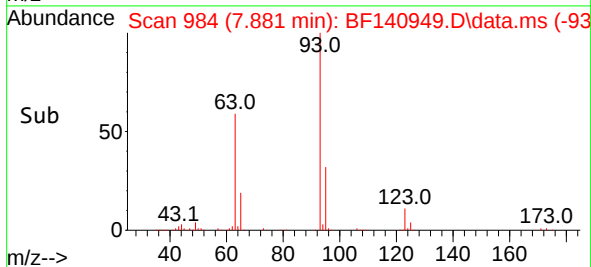
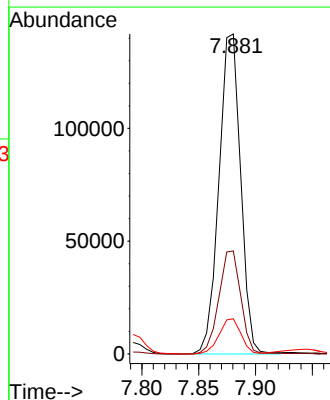
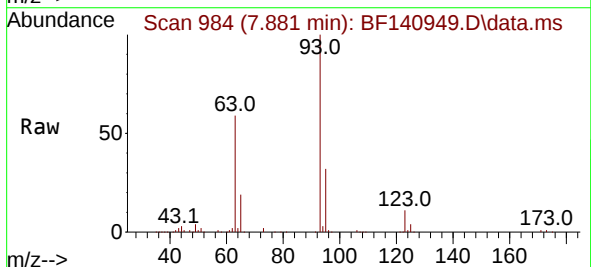
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

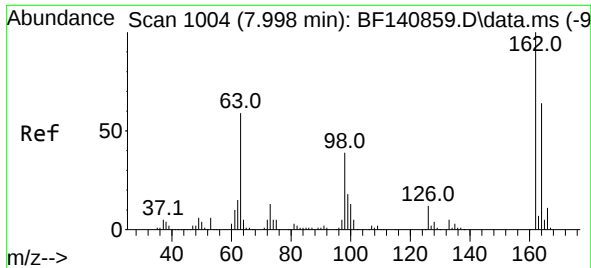
Tgt Ion:122 Resp: 127969
Ion Ratio Lower Upper
122 100
107 118.0 92.6 139.0
121 59.6 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 51.420 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 93 Resp: 188944
Ion Ratio Lower Upper
93 100
95 32.2 25.3 37.9
123 11.0 8.6 13.0

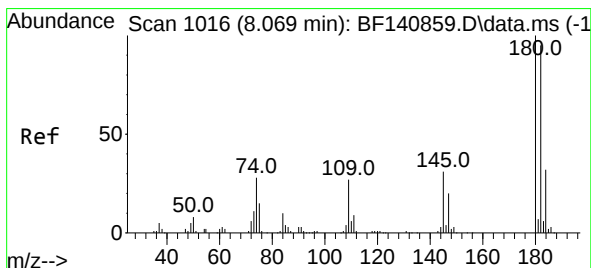
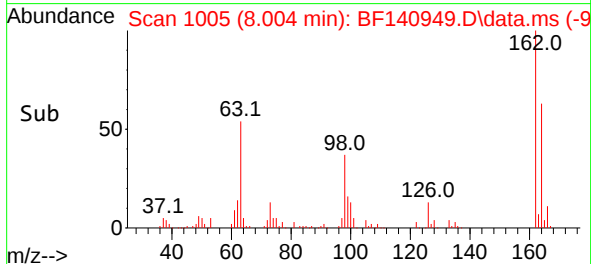
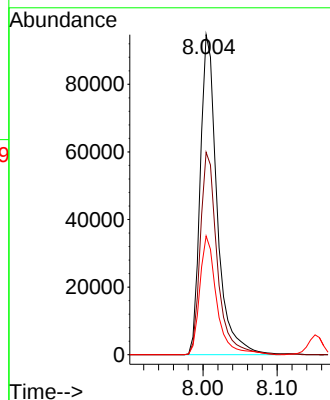
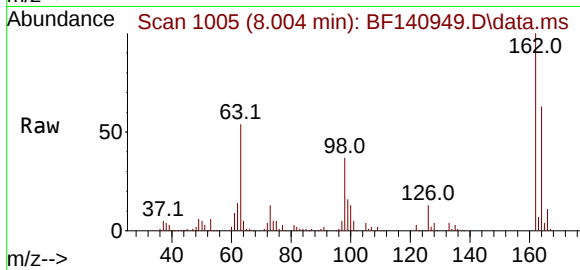




#29
2,4-Dichlorophenol
Concen: 55.934 ng
RT: 8.004 min Scan# 1004
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

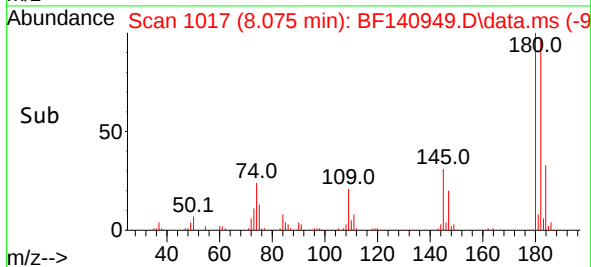
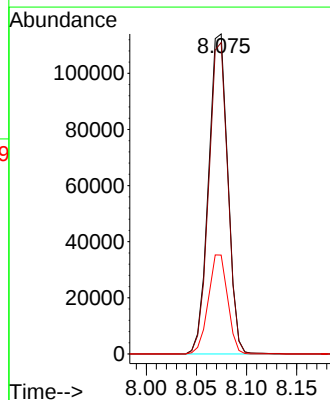
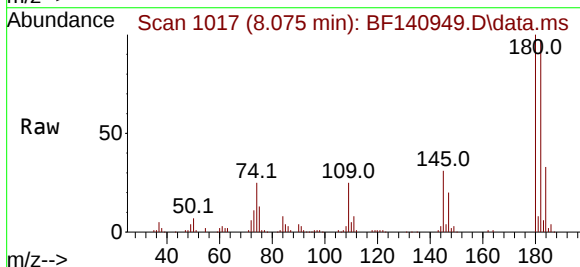
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

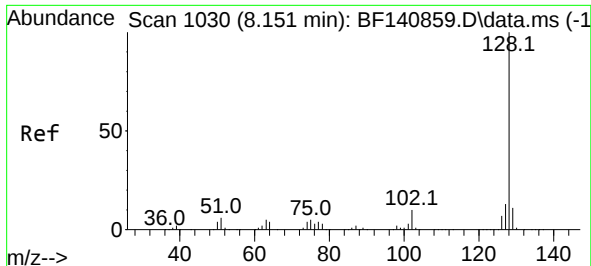
Tgt Ion:162 Resp: 149408
Ion Ratio Lower Upper
162 100
164 63.3 43.7 83.7
98 37.1 18.6 58.6



#30
1,2,4-Trichlorobenzene
Concen: 50.051 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:180 Resp: 153263
Ion Ratio Lower Upper
180 100
182 97.3 75.8 113.6
145 30.9 25.2 37.8

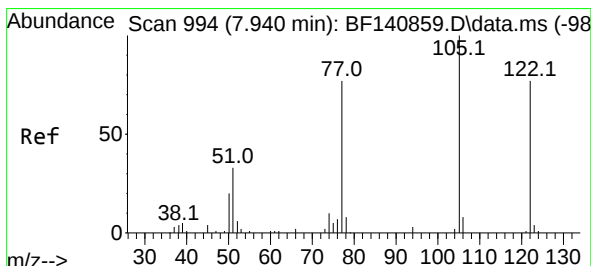
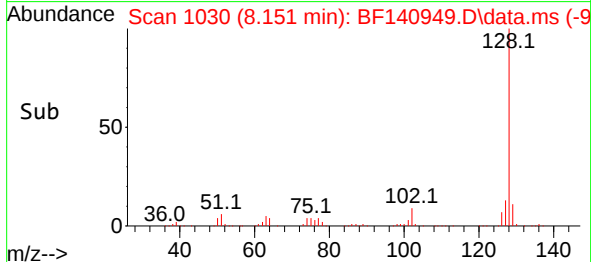
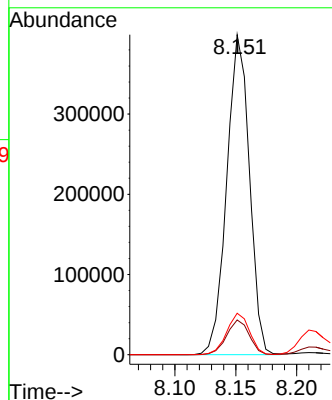
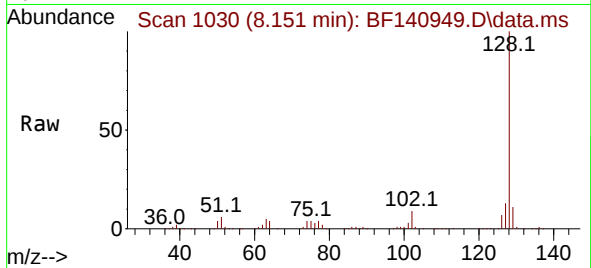




#31
Naphthalene
Concen: 53.602 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

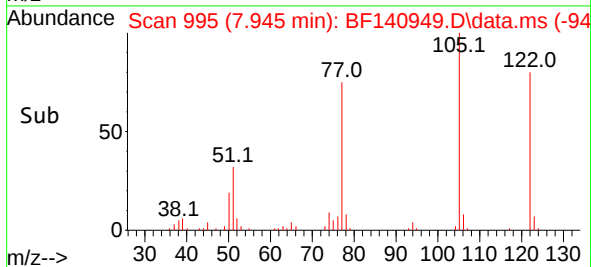
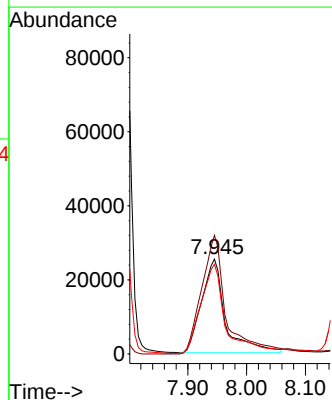
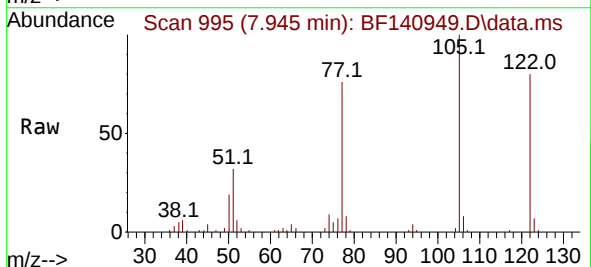
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

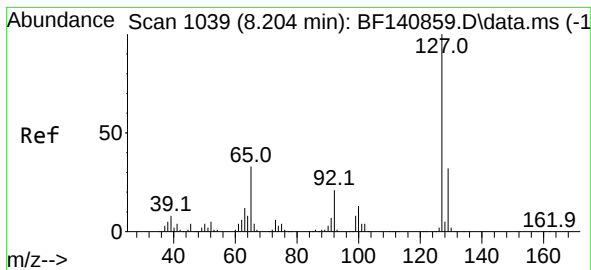
Tgt Ion:128 Resp: 517245
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 13.0 10.6 16.0



#32
Benzoic acid
Concen: 39.151 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.005 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:122 Resp: 71840
Ion Ratio Lower Upper
122 100
105 125.1 108.3 148.3
77 94.6 78.8 118.8





#33

4-Chloroaniline

Concen: 22.062 ng

RT: 8.210 min Scan# 1040

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:127 Resp: 70709

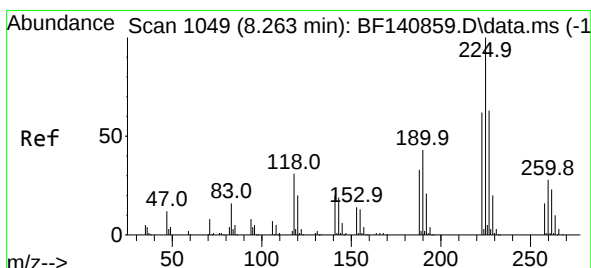
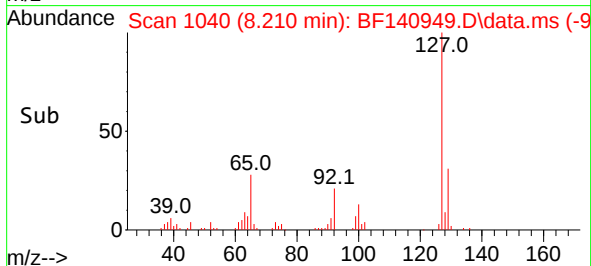
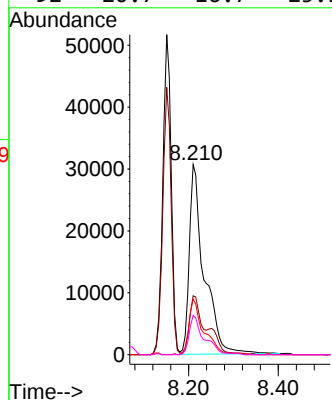
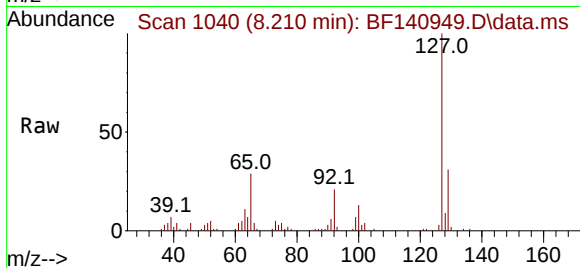
Ion Ratio Lower Upper

127 100

129 31.0 26.0 39.0

65 29.2 26.0 39.0

92 20.7 16.7 25.1



#34

Hexachlorobutadiene

Concen: 48.916 ng

RT: 8.263 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

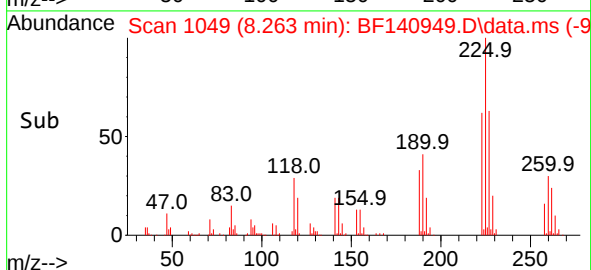
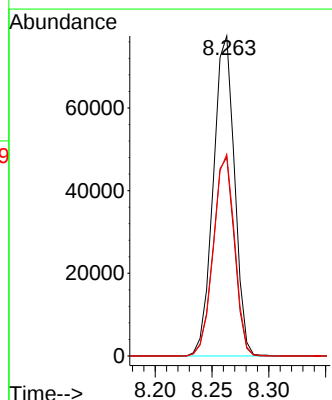
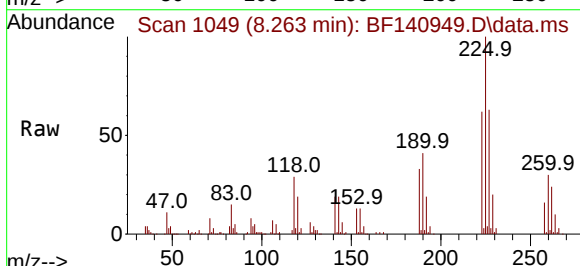
Tgt Ion:225 Resp: 100776

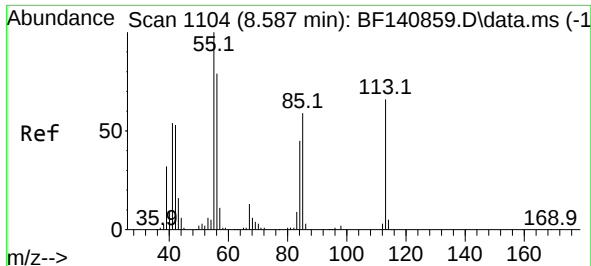
Ion Ratio Lower Upper

225 100

223 62.1 49.6 74.4

227 63.0 50.7 76.1

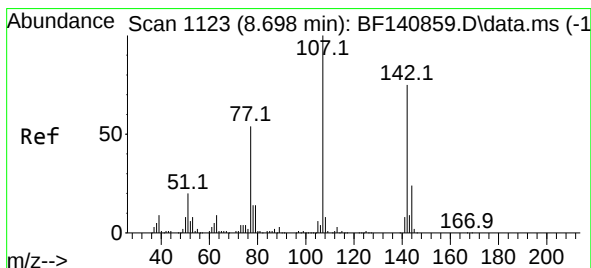
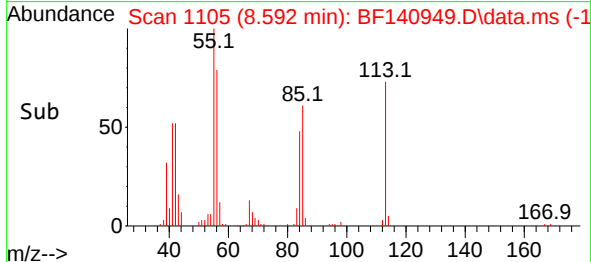
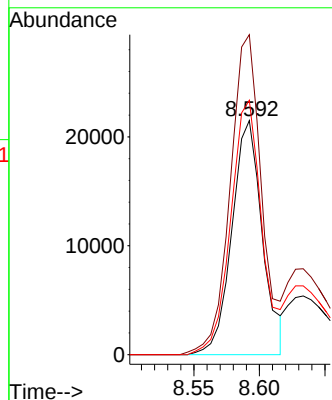
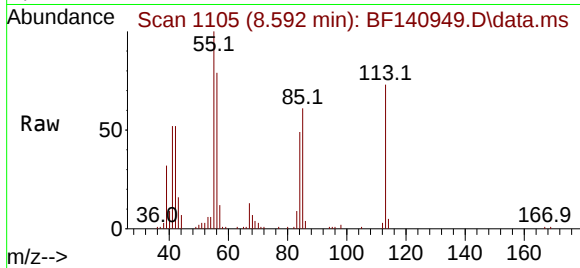




#35
 Caprolactam
 Concen: 43.555 ng
 RT: 8.592 min Scan# 1105
 Delta R.T. 0.006 min
 Lab File: BF140949.D
 Acq: 20 Dec 2024 14:36

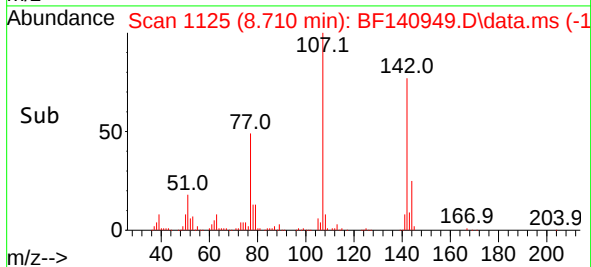
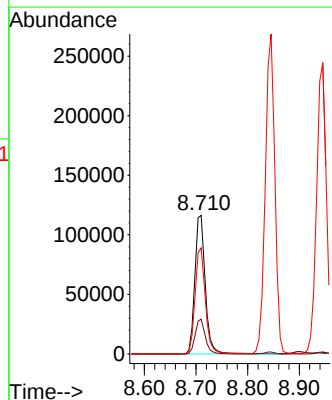
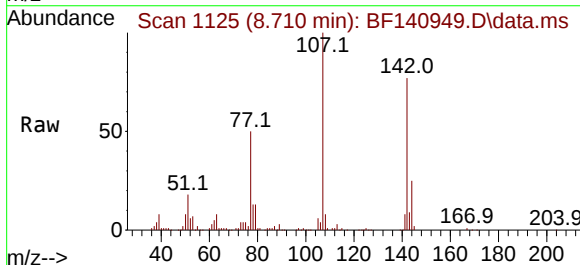
Instrument :
 BNA_F
 ClientSampleId :
 OU4-VSL-11-121224MSD

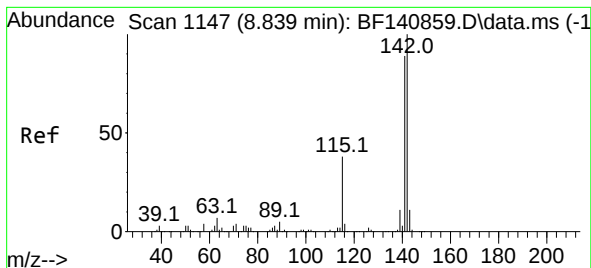
Tgt Ion:113 Resp: 34636
 Ion Ratio Lower Upper
 113 100
 55 136.7 132.3 172.3
 56 108.7 100.3 140.3



#36
 4-Chloro-3-methylphenol
 Concen: 54.366 ng
 RT: 8.710 min Scan# 1125
 Delta R.T. 0.012 min
 Lab File: BF140949.D
 Acq: 20 Dec 2024 14:36

Tgt Ion:107 Resp: 163449
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.4 29.2
 142 76.5 60.3 90.5





#37

2-Methylnaphthalene

Concen: 53.795 ng

RT: 8.845 min Scan# 1147

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

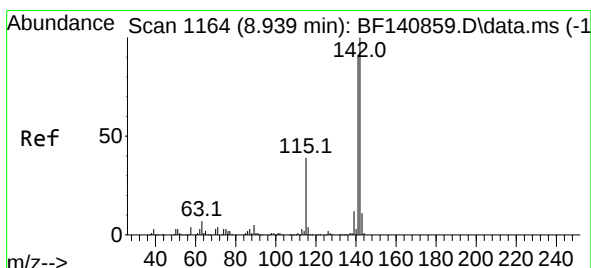
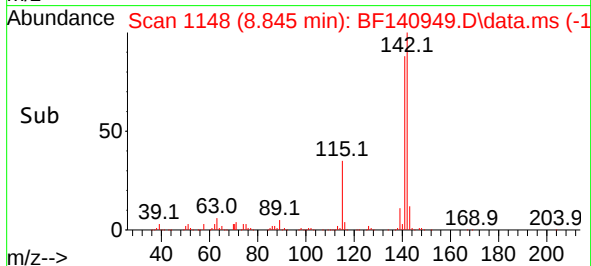
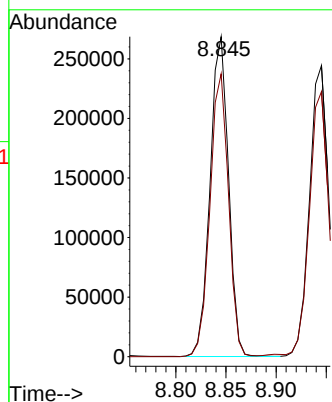
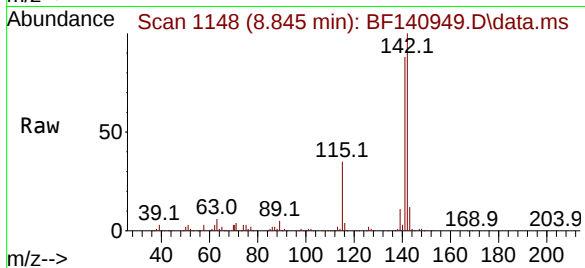
OU4-VSL-11-121224MSD

Tgt Ion:142 Resp: 343391

Ion Ratio Lower Upper

142 100

141 88.4 71.0 106.6



#38

1-Methylnaphthalene

Concen: 50.458 ng

RT: 8.945 min Scan# 1165

Delta R.T. 0.006 min

Lab File: BF140949.D

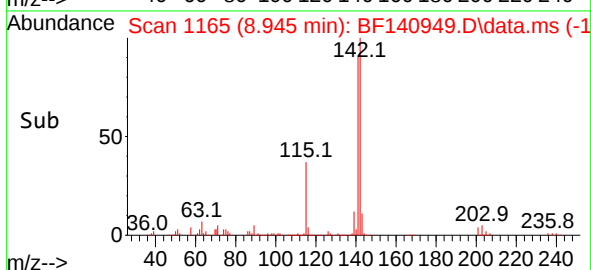
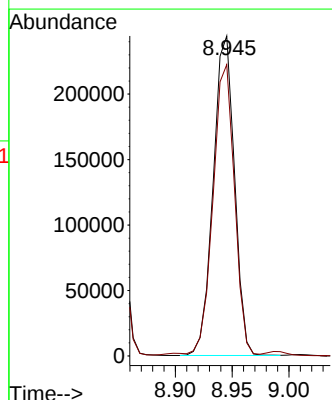
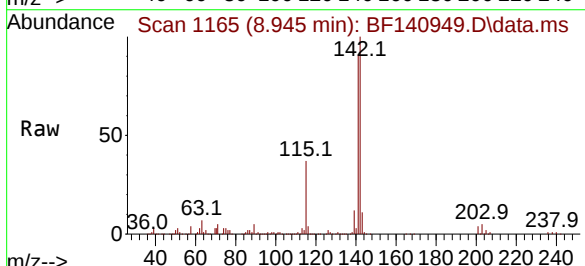
Acq: 20 Dec 2024 14:36

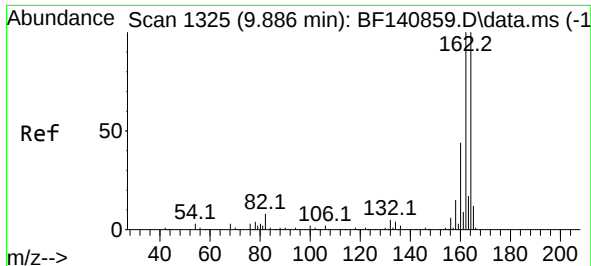
Tgt Ion:142 Resp: 318541

Ion Ratio Lower Upper

142 100

141 91.0 73.4 110.0

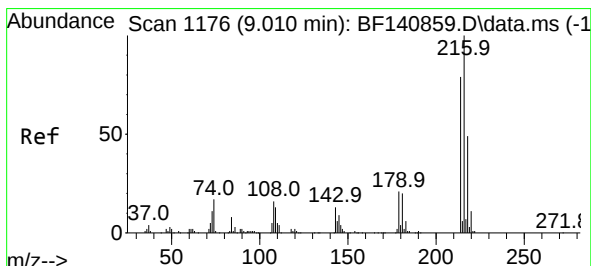
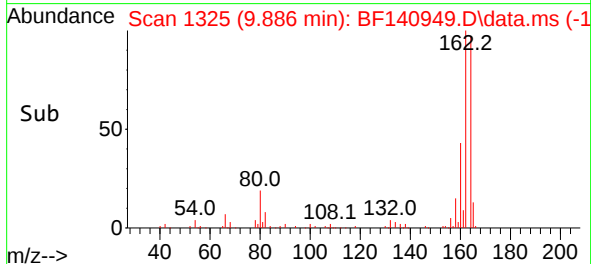
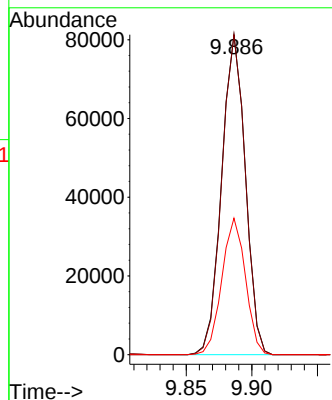
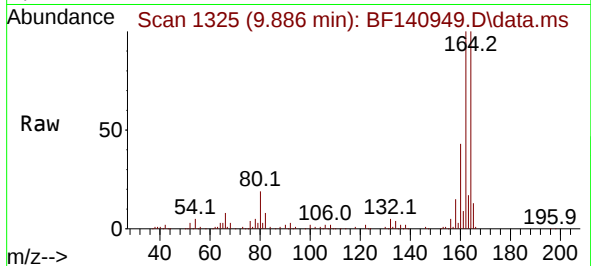




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

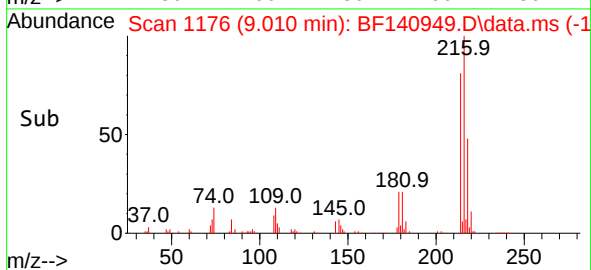
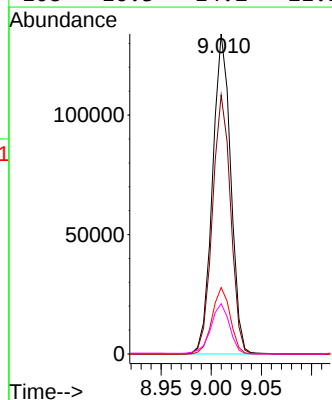
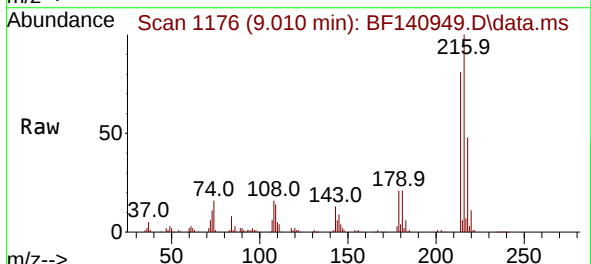
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Tgt Ion:164 Resp: 102157
Ion Ratio Lower Upper
164 100
162 100.0 79.9 119.9
160 42.7 35.2 52.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.866 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:216 Resp: 169136
Ion Ratio Lower Upper
216 100
214 80.7 63.6 95.4
179 20.7 17.0 25.4
108 16.3 14.2 21.2

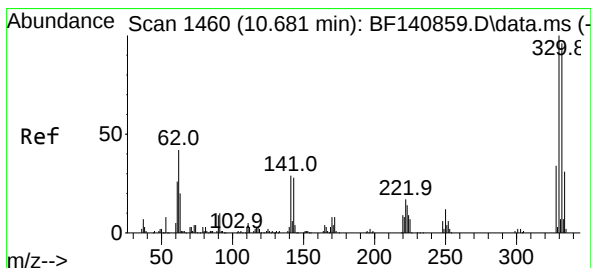
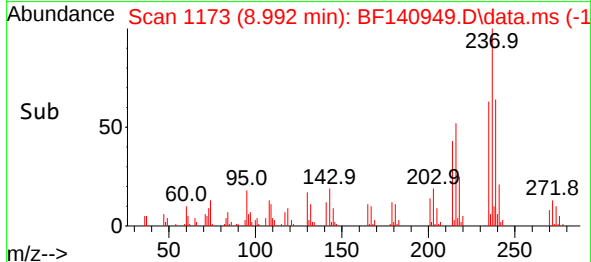
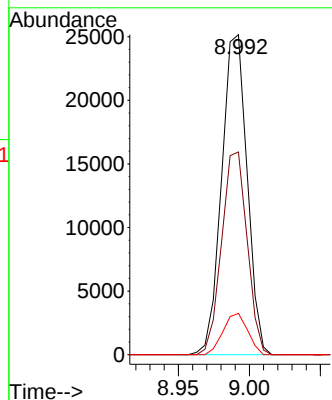
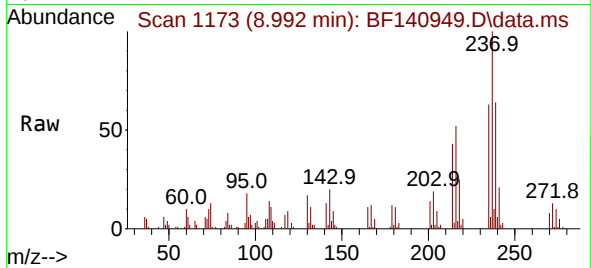




#41
Hexachlorocyclopentadiene
Concen: 41.662 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.005 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

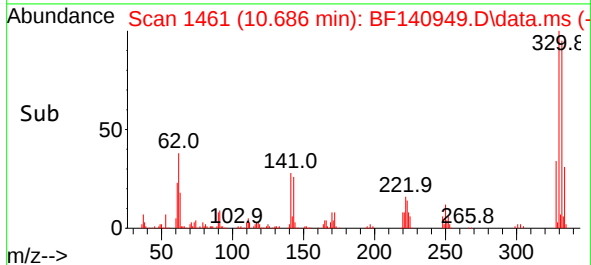
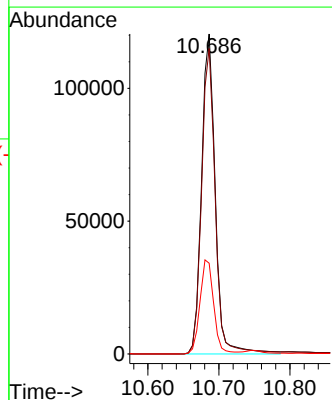
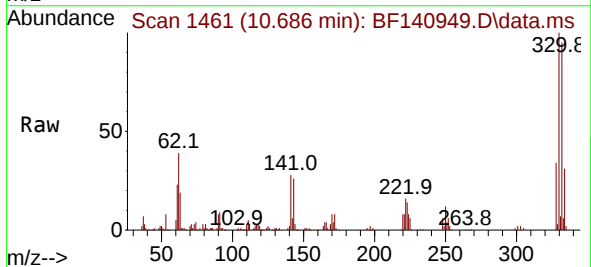
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

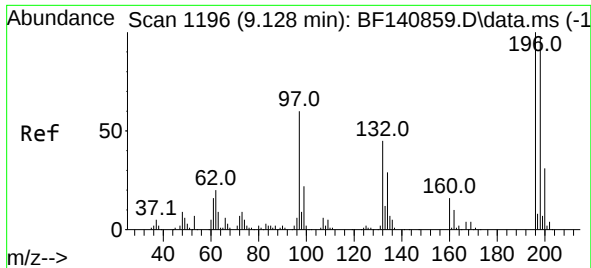
Tgt Ion:237 Resp: 31402
Ion Ratio Lower Upper
237 100
235 63.4 43.7 83.7
272 12.9 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 134.298 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:330 Resp: 162262
Ion Ratio Lower Upper
330 100
332 97.5 76.2 114.4
141 29.6 24.9 37.3

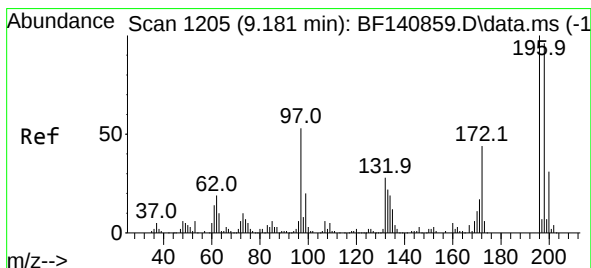
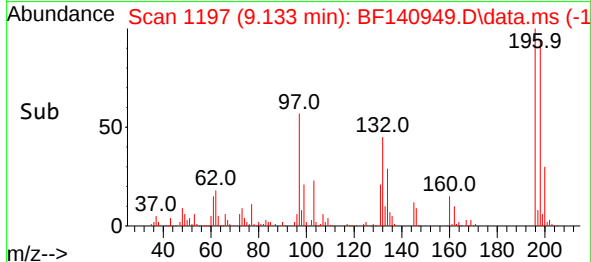
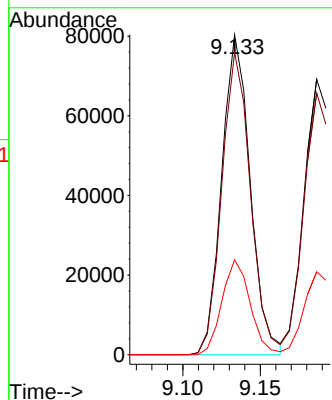
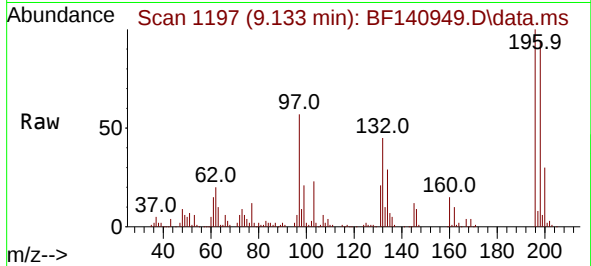




#43
2,4,6-Trichlorophenol
Concen: 53.386 ng
RT: 9.133 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

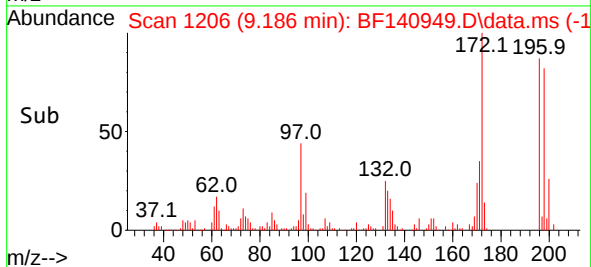
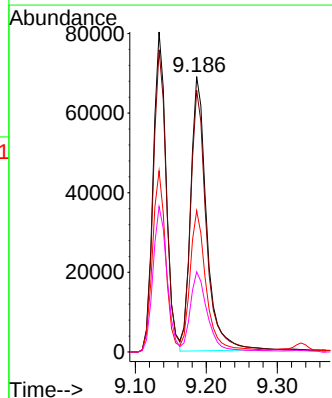
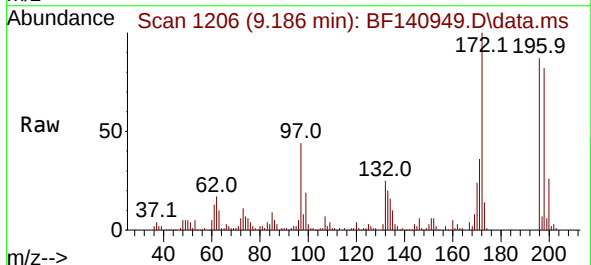
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

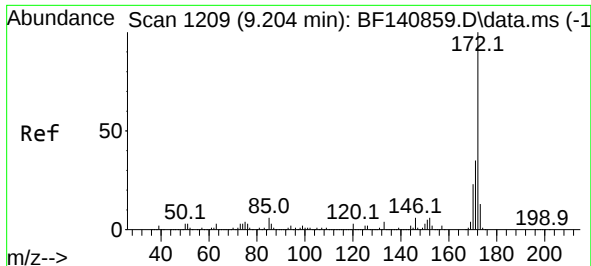
Tgt Ion:196 Resp: 102644
Ion Ratio Lower Upper
196 100
198 94.4 77.4 116.0
200 29.6 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 50.828 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:196 Resp: 107412
Ion Ratio Lower Upper
196 100
198 95.1 77.2 115.8
97 51.3 42.2 63.4
132 29.1 23.1 34.7

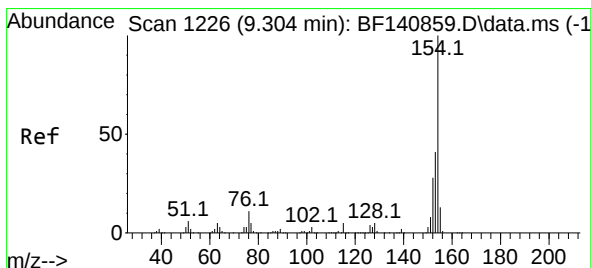
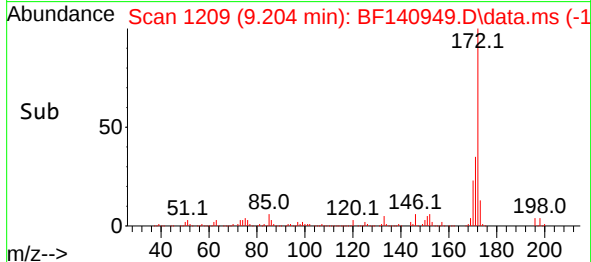
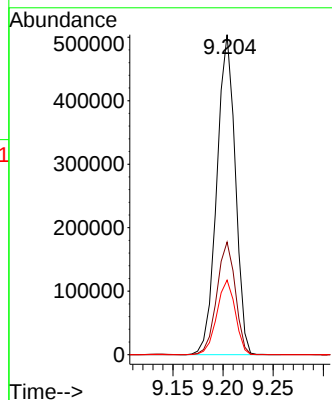
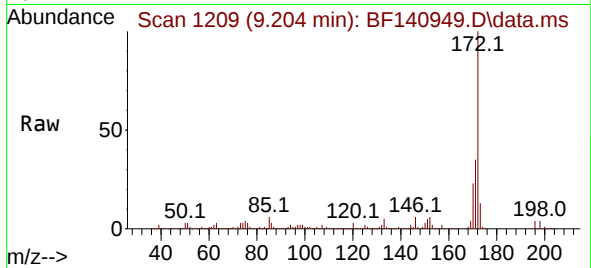




#45
2-Fluorobiphenyl
Concen: 86.762 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

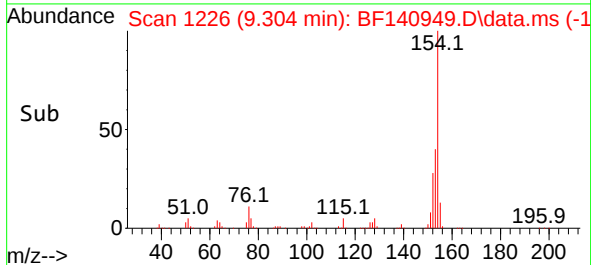
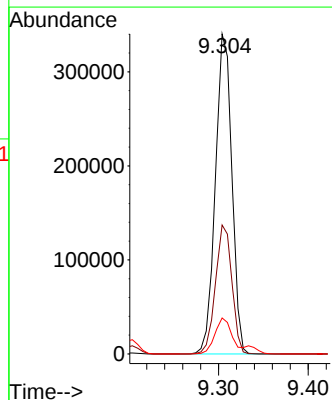
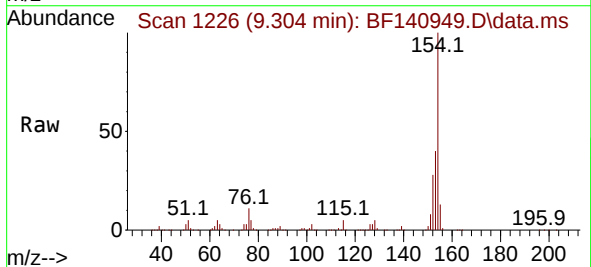
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

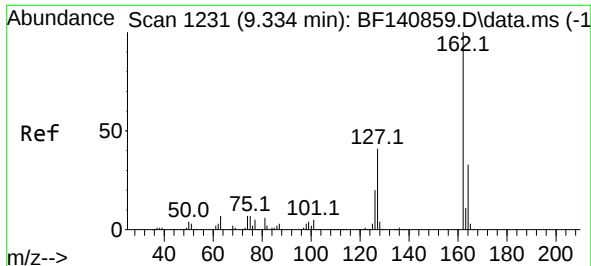
Tgt Ion:172 Resp: 644674
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 53.374 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:154 Resp: 433578
Ion Ratio Lower Upper
154 100
153 40.3 20.8 60.8
76 11.3 0.0 31.0

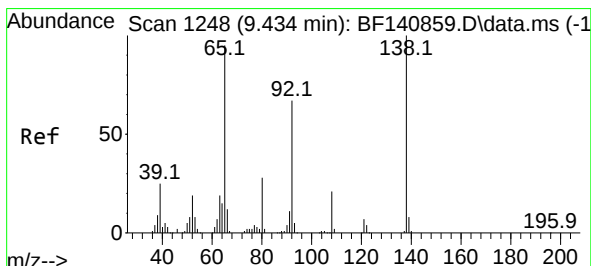
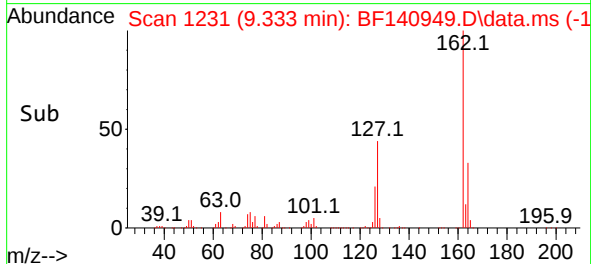
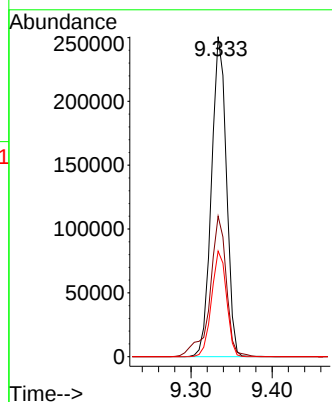
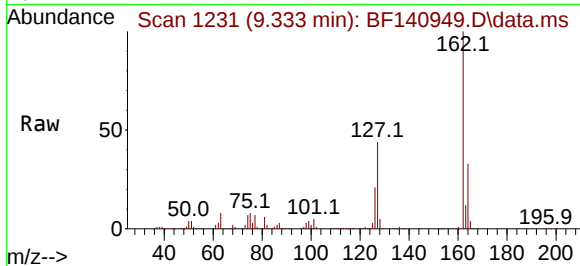




#47
2-Chloronaphthalene
Concen: 51.486 ng
RT: 9.333 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

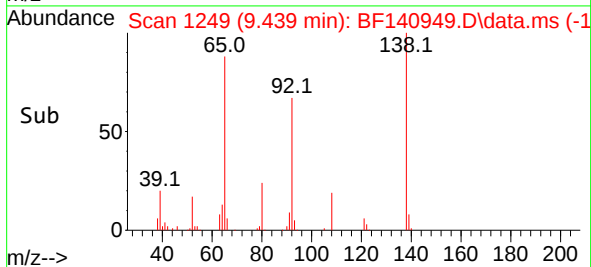
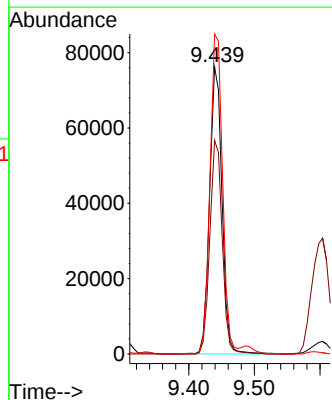
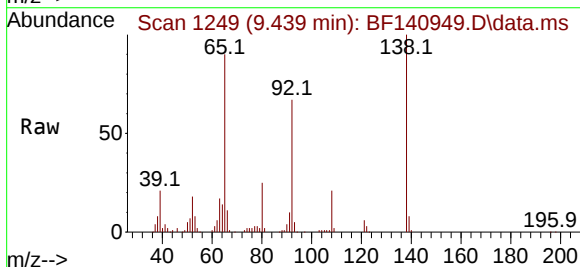
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

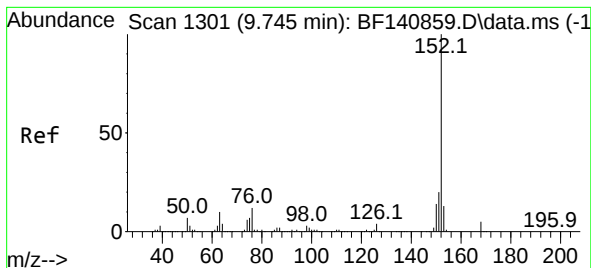
Tgt Ion:162 Resp: 319959
Ion Ratio Lower Upper
162 100
127 43.9 33.5 50.3
164 33.0 26.2 39.2



#48
2-Nitroaniline
Concen: 53.688 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion: 65 Resp: 100764
Ion Ratio Lower Upper
65 100
92 74.4 56.3 84.5
138 111.5 83.8 125.6





#49

Acenaphthylene

Concen: 57.943 ng

RT: 9.751 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

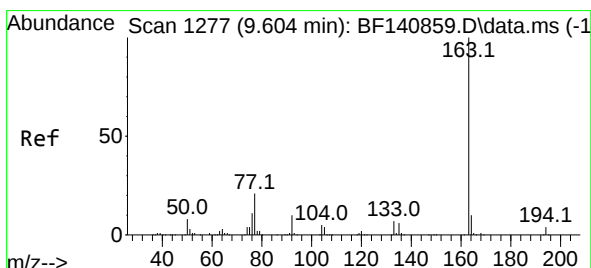
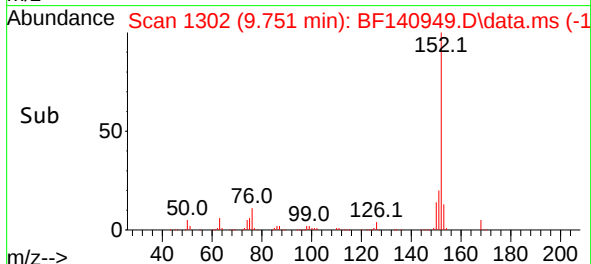
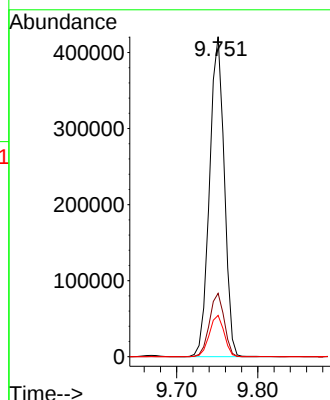
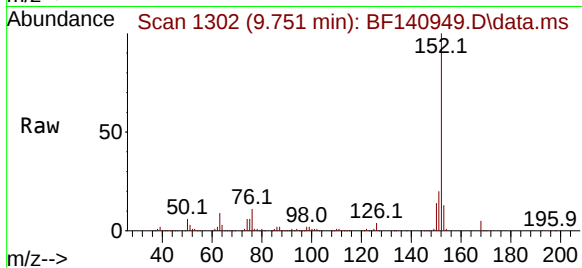
Tgt Ion:152 Resp: 529169

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

153 12.9 10.6 16.0



#50

Dimethylphthalate

Concen: 52.492 ng

RT: 9.604 min Scan# 1277

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

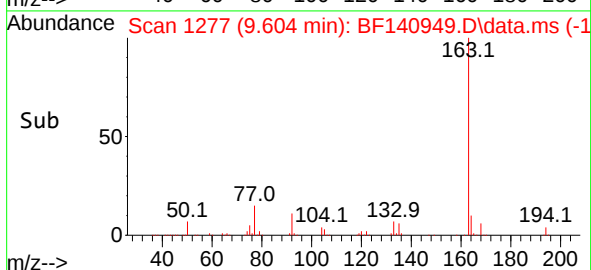
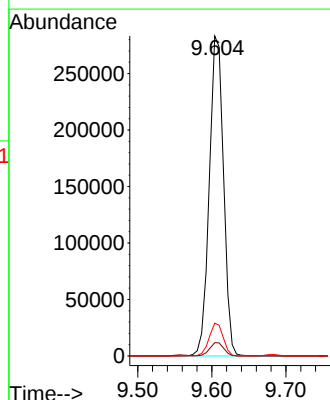
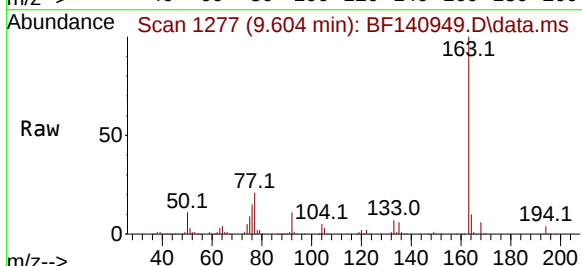
Tgt Ion:163 Resp: 378063

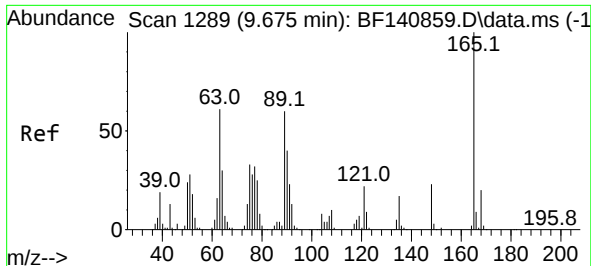
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.2 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 51.261 ng

RT: 9.680 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

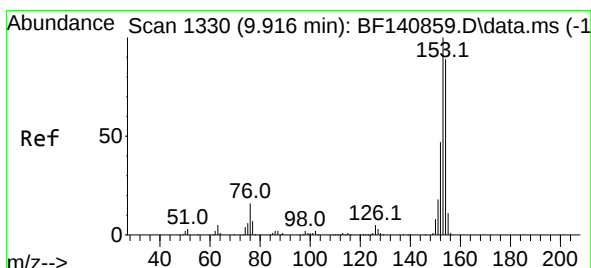
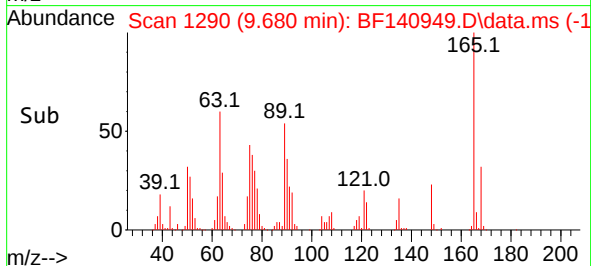
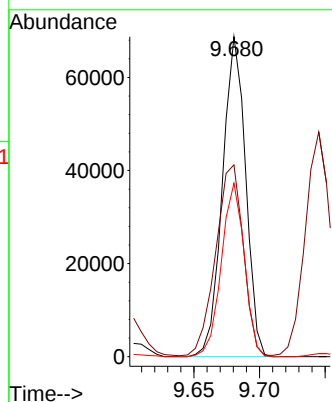
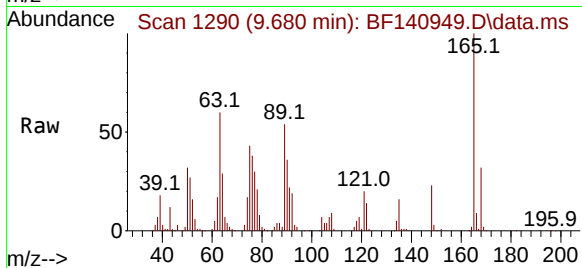
Tgt Ion:165 Resp: 84402

Ion Ratio Lower Upper

165 100

63 59.9 49.7 74.5

89 54.2 48.2 72.4



#52

Acenaphthene

Concen: 55.638 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

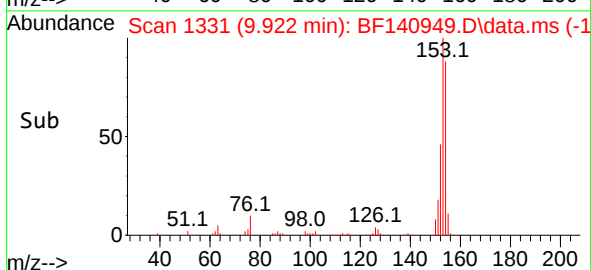
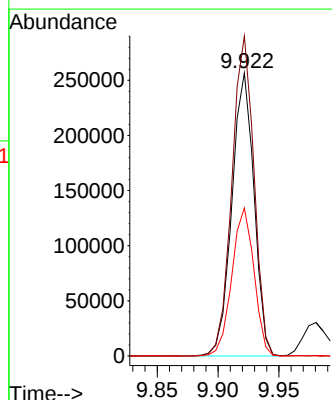
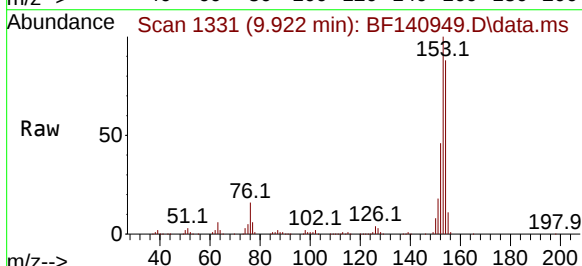
Tgt Ion:154 Resp: 324577

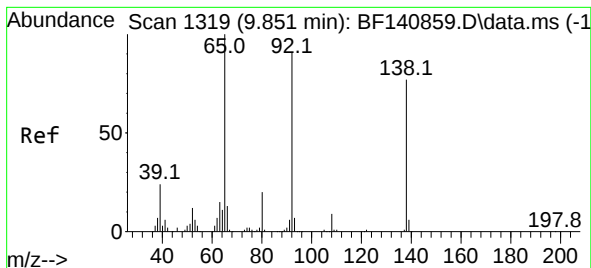
Ion Ratio Lower Upper

154 100

153 113.1 89.9 134.9

152 52.3 42.6 63.8





#53

3-Nitroaniline

Concen: 30.137 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

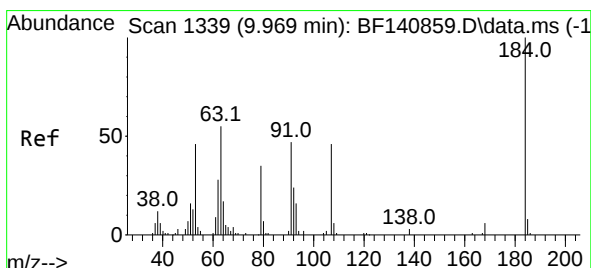
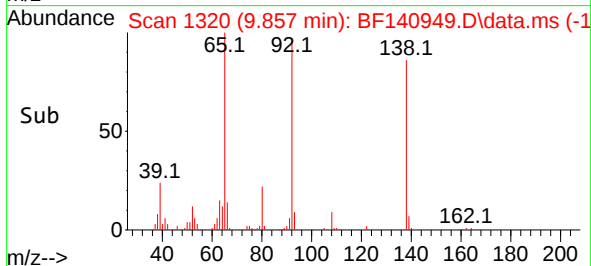
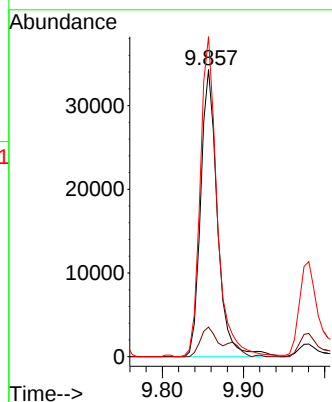
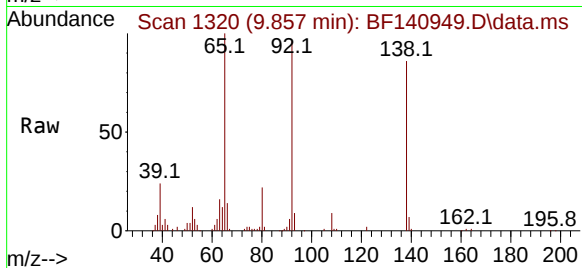
Tgt Ion:138 Resp: 49243

Ion Ratio Lower Upper

138 100

108 10.3 9.0 13.4

92 111.5 95.5 143.3



#54

2,4-Dinitrophenol

Concen: 97.834 ng

RT: 9.980 min Scan# 1341

Delta R.T. 0.011 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

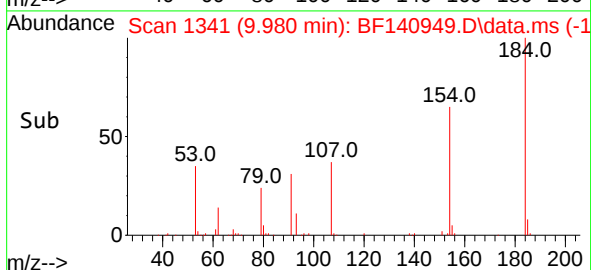
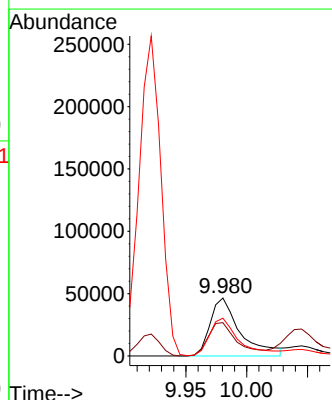
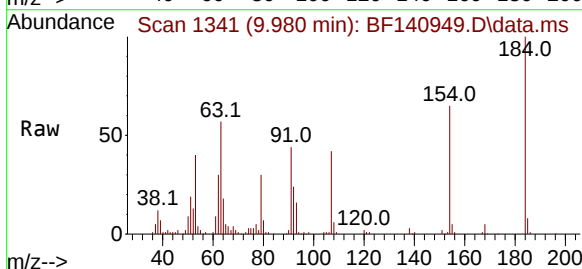
Tgt Ion:184 Resp: 79873

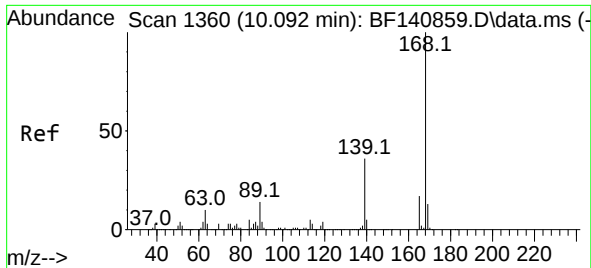
Ion Ratio Lower Upper

184 100

63 57.4 51.6 77.4

154 65.2 56.1 84.1

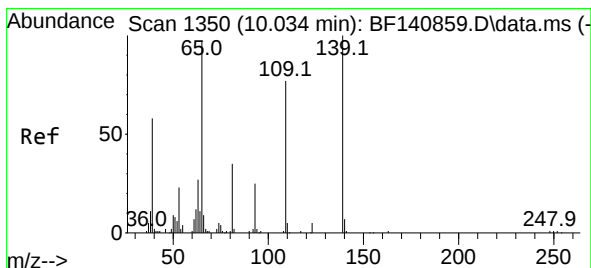
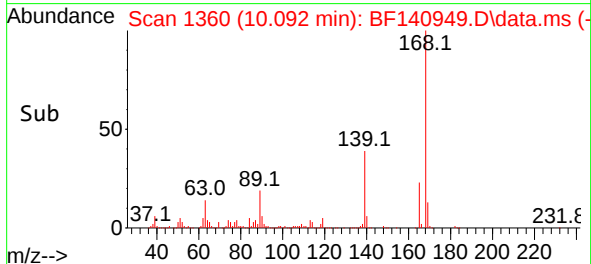
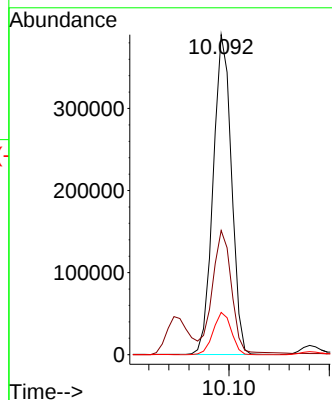
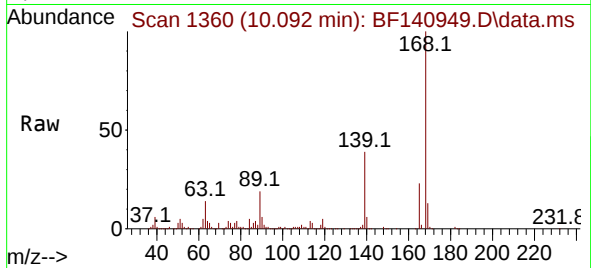




#55
Dibenzenofuran
Concen: 54.567 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

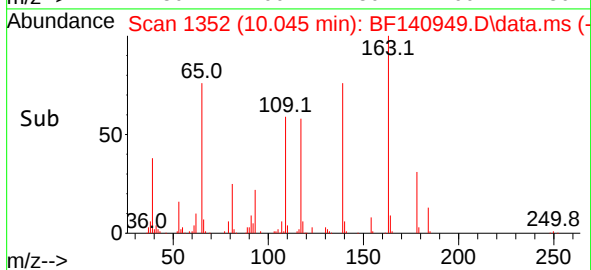
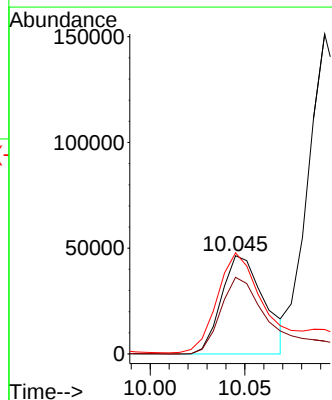
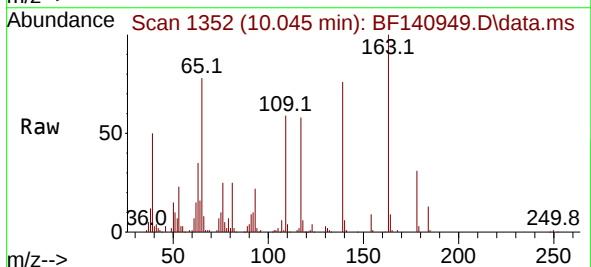
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

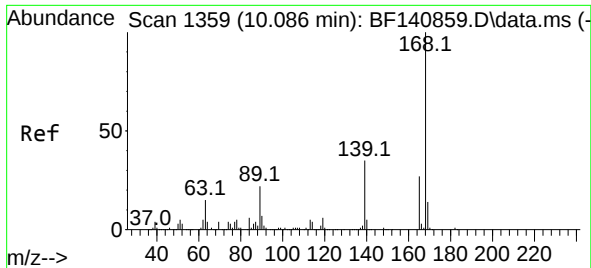
Tgt Ion:168 Resp: 493268
Ion Ratio Lower Upper
168 100
139 38.8 31.1 46.7
169 13.2 10.6 16.0



#56
4-Nitrophenol
Concen: 82.863 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.011 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:139 Resp: 72978
Ion Ratio Lower Upper
139 100
109 77.9 56.7 96.7
65 102.9 78.1 118.1

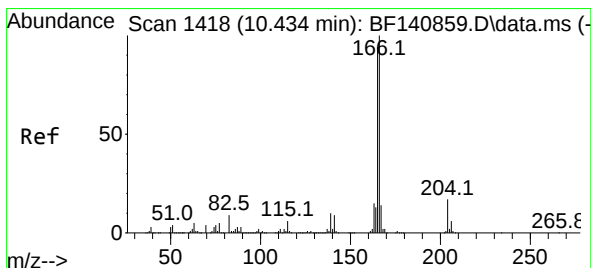
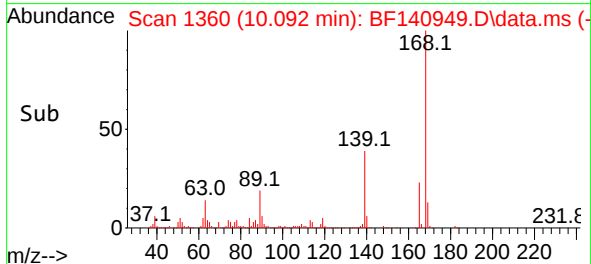
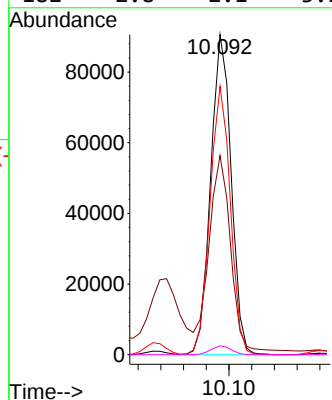
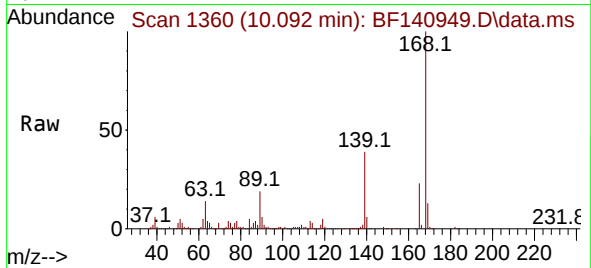




#57
2,4-Dinitrotoluene
Concen: 52.453 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

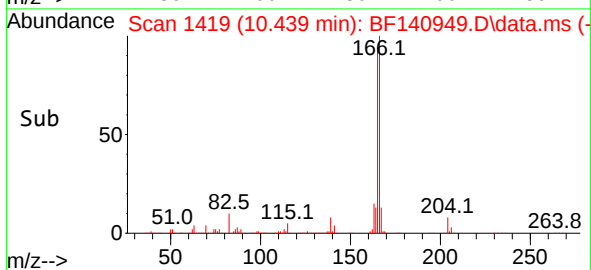
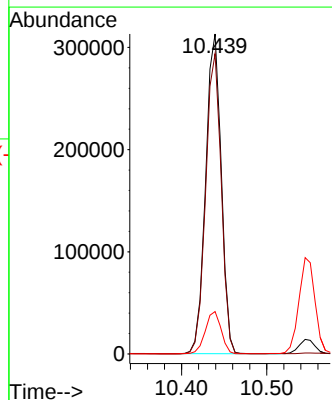
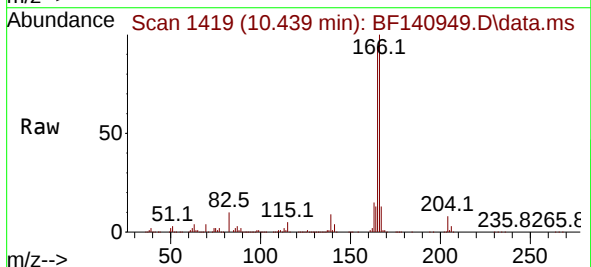
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

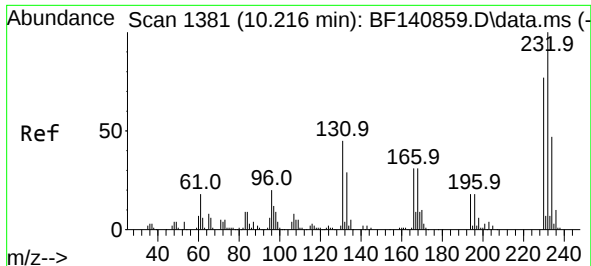
Tgt Ion:165 Resp: 113633
Ion Ratio Lower Upper
165 100
63 62.2 49.3 73.9
89 83.8 66.2 99.4
182 2.8 2.1 3.1



#58
Fluorene
Concen: 53.279 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:166 Resp: 397342
Ion Ratio Lower Upper
166 100
165 93.8 75.1 112.7
167 13.3 11.1 16.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 56.336 ng

RT: 10.222 min Scan# 1382

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

Tgt Ion:232 Resp: 97009

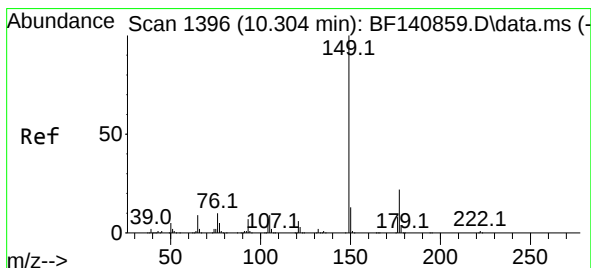
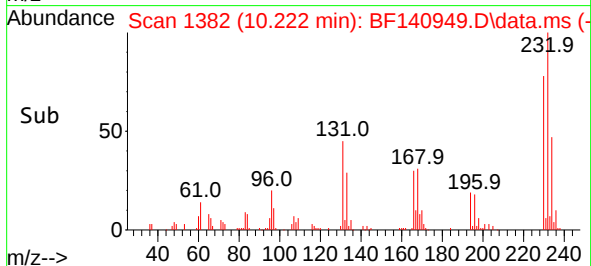
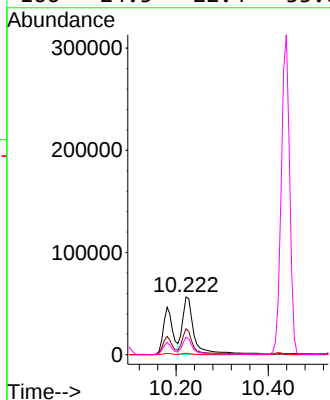
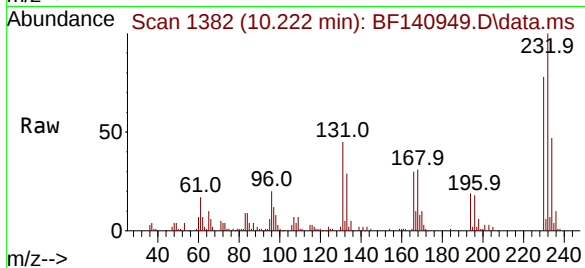
Ion Ratio Lower Upper

232 100

131 36.7 35.1 52.7

130 2.0 1.8 2.8

166 24.5 22.4 33.6



#60

Diethylphthalate

Concen: 50.345 ng

RT: 10.304 min Scan# 1396

Delta R.T. -0.000 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

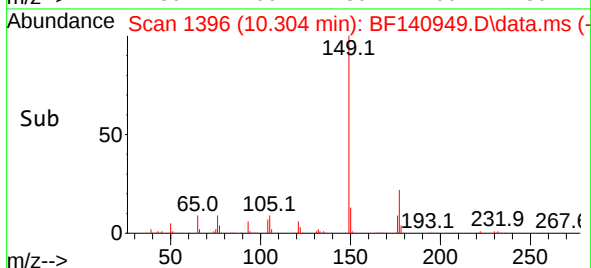
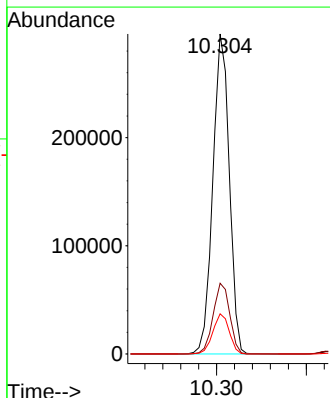
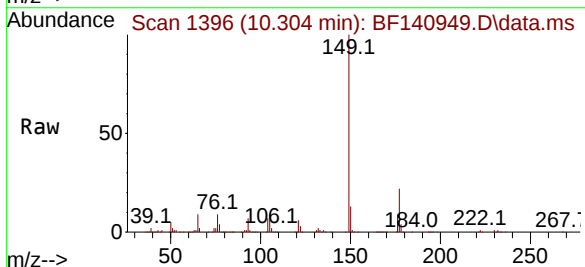
Tgt Ion:149 Resp: 376001

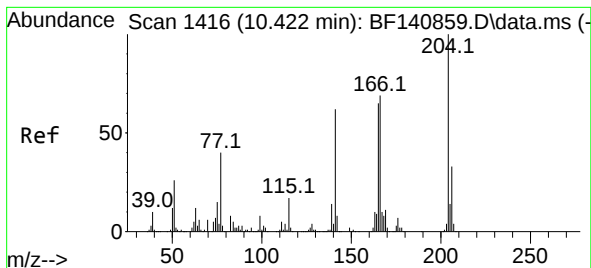
Ion Ratio Lower Upper

149 100

177 22.1 17.2 25.8

150 12.6 10.1 15.1

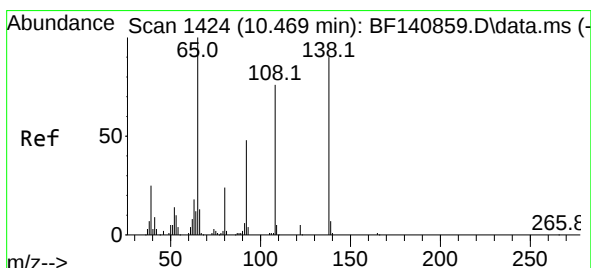
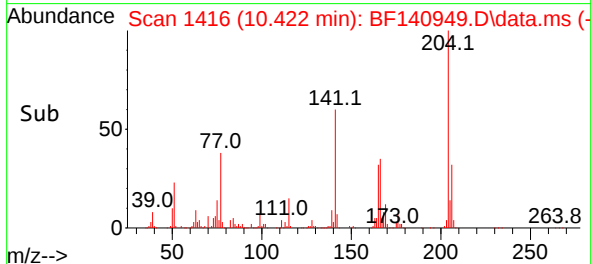
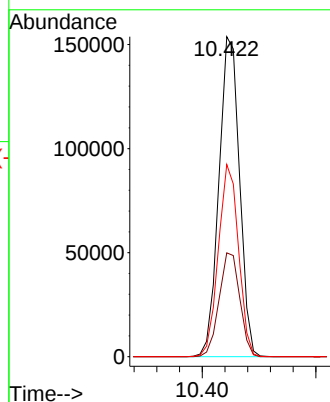
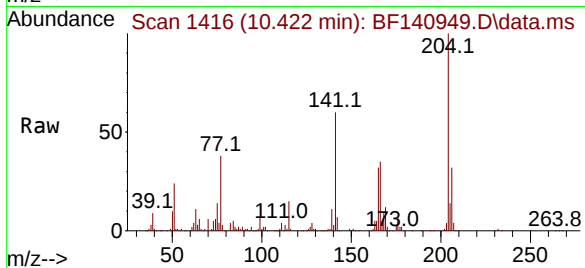




#61
4-Chlorophenyl-phenylether
Concen: 51.761 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

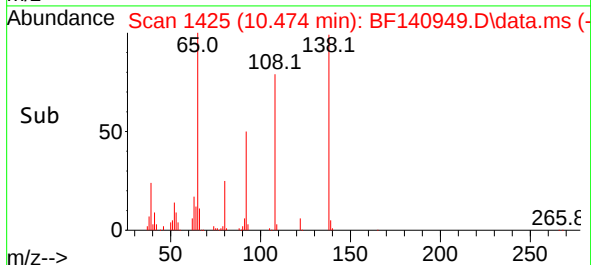
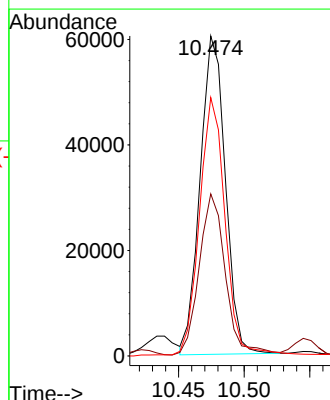
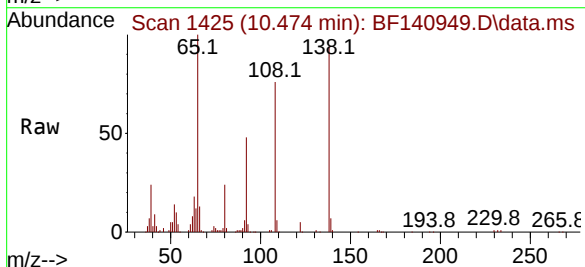
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

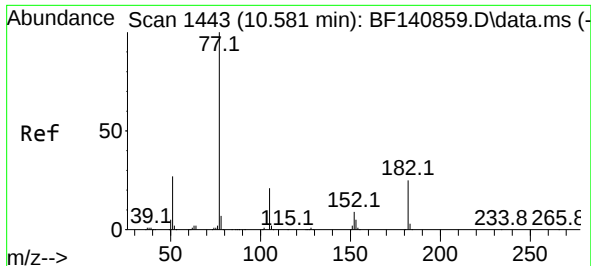
Tgt Ion:204 Resp: 193903
Ion Ratio Lower Upper
204 100
206 32.5 26.5 39.7
141 60.0 50.0 75.0



#62
4-Nitroaniline
Concen: 47.236 ng
RT: 10.474 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:138 Resp: 80656
Ion Ratio Lower Upper
138 100
92 50.7 32.6 72.6
108 80.7 64.1 104.1

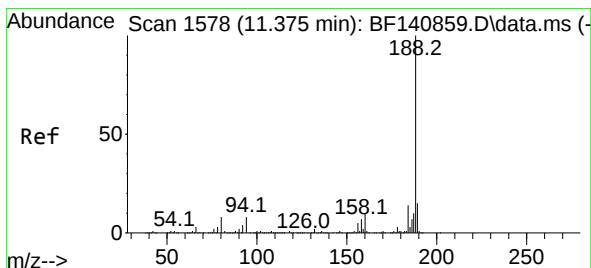
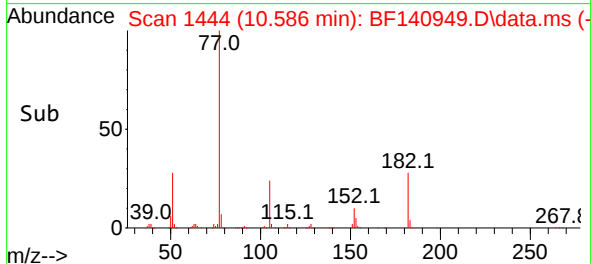
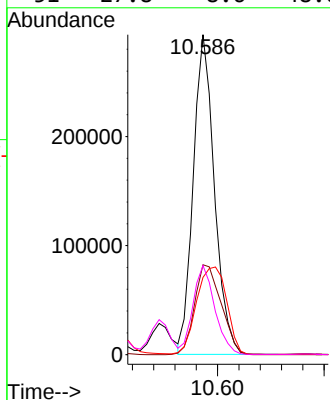
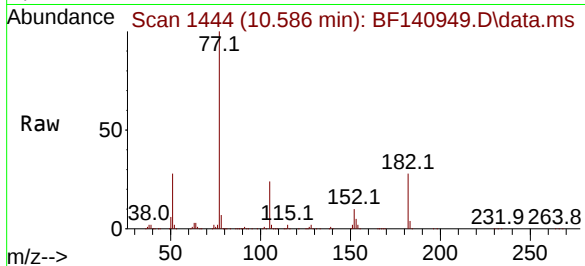




#63
Azobenzene
Concen: 57.590 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

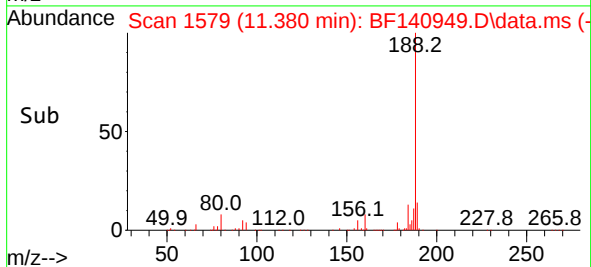
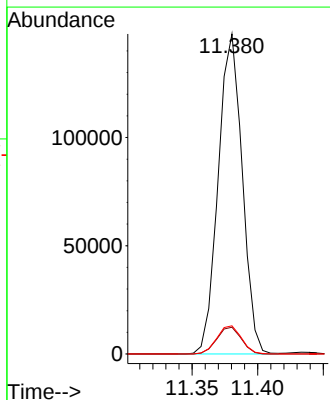
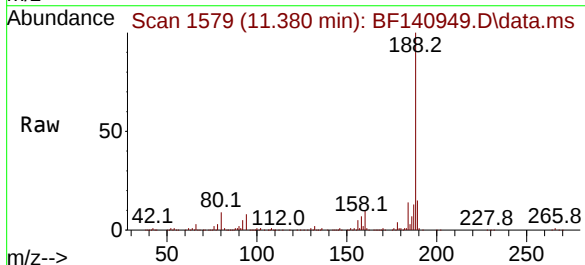
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

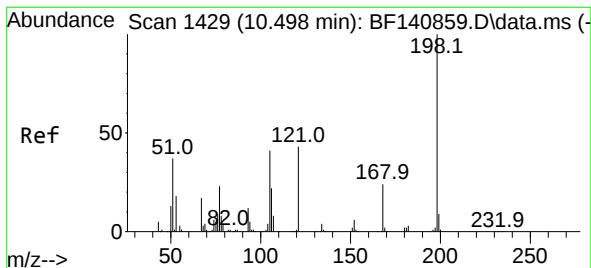
Tgt Ion: 77	Resp: 404359
Ion Ratio	Lower Upper
77 100	
182 28.1	4.5 44.5
105 24.2	0.9 40.9
51 27.8	8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:188	Resp: 188148
Ion Ratio	Lower Upper
188 100	
94 8.4	6.4 9.6
80 8.8	6.8 10.2

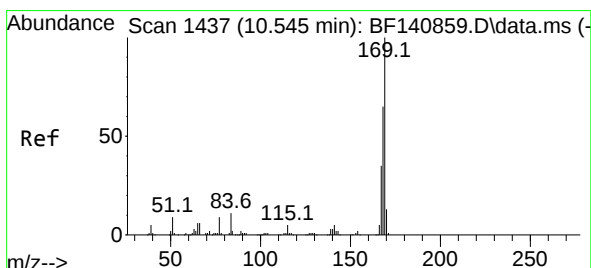
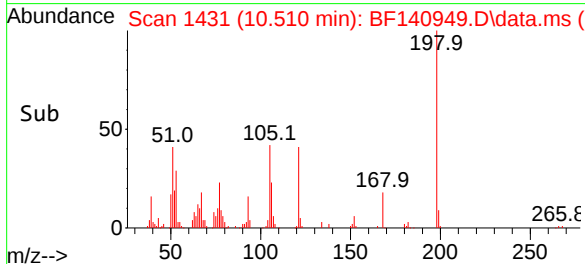
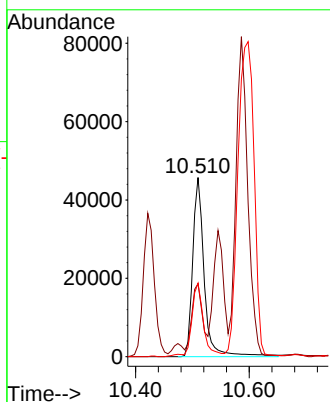
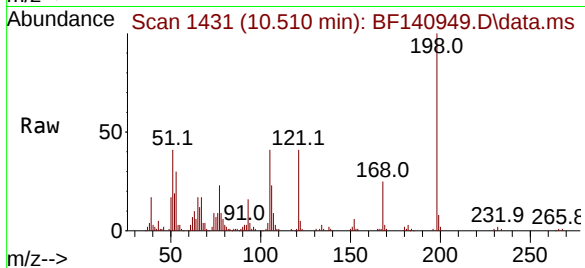




#65
4,6-Dinitro-2-methylphenol
Concen: 60.672 ng
RT: 10.510 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

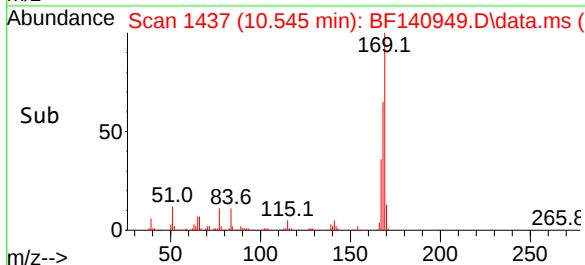
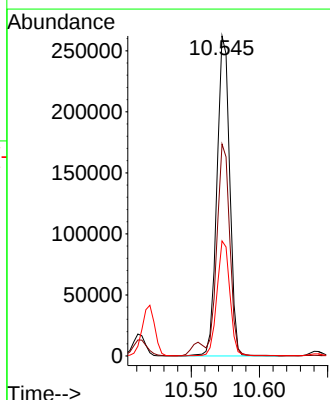
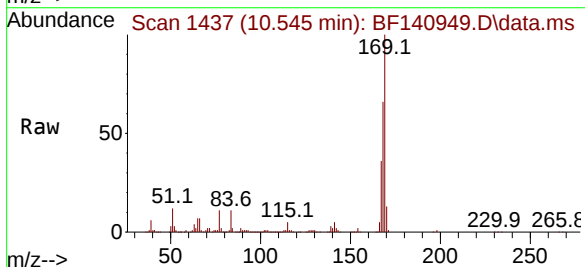
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

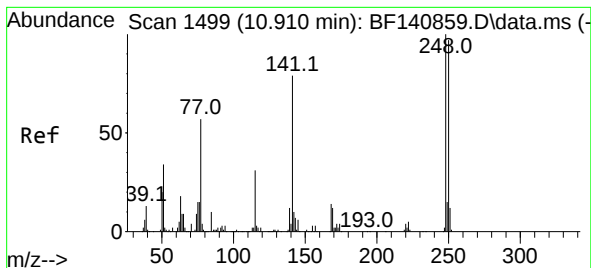
Tgt Ion:198 Resp: 64685
Ion Ratio Lower Upper
198 100
51 40.7 24.4 64.4
105 41.0 22.1 62.1



#66
n-Nitrosodiphenylamine
Concen: 58.988 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:169 Resp: 341229
Ion Ratio Lower Upper
169 100
168 66.2 53.4 80.0
167 36.0 28.3 42.5

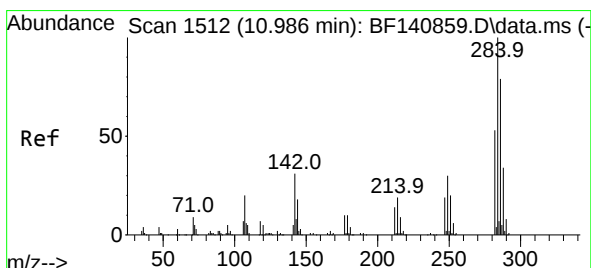
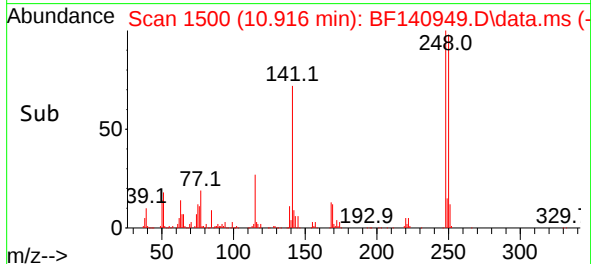
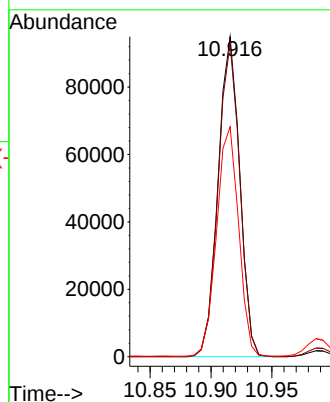
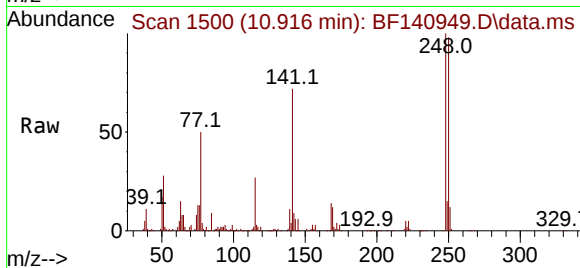




#67
4-Bromophenyl-phenylether
Concen: 55.838 ng
RT: 10.916 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

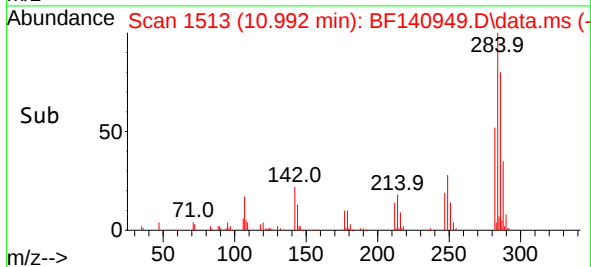
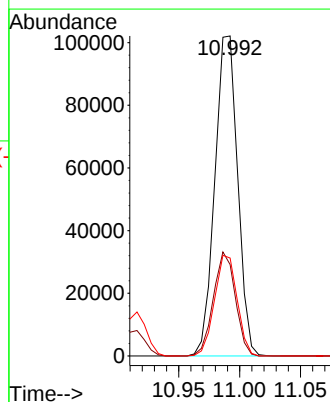
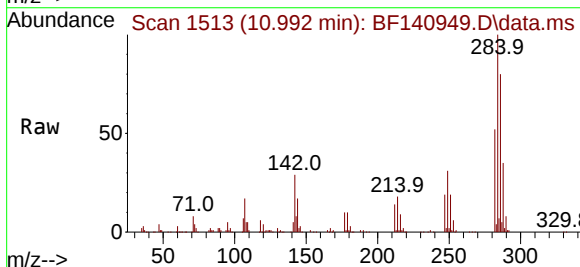
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

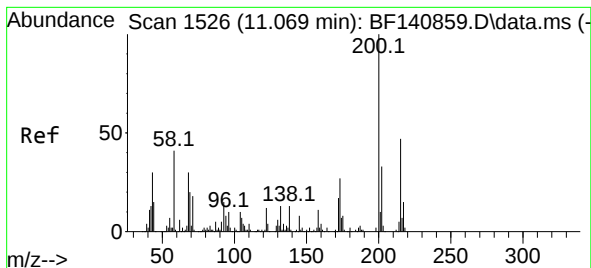
Tgt Ion:248 Resp: 117531
Ion Ratio Lower Upper
248 100
250 97.8 77.4 116.2
141 71.8 62.9 94.3



#68
Hexachlorobenzene
Concen: 55.821 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:284 Resp: 133215
Ion Ratio Lower Upper
284 100
142 28.6 24.6 36.8
249 30.6 24.3 36.5





#69

Atrazine

Concen: 69.163 ng

RT: 11.074 min Scan# 111739

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

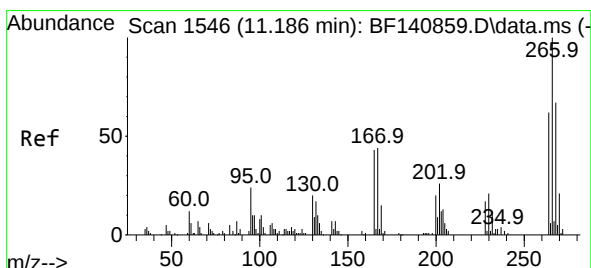
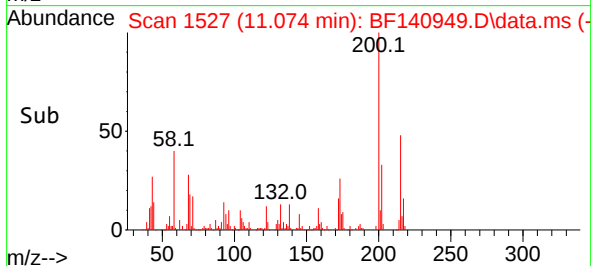
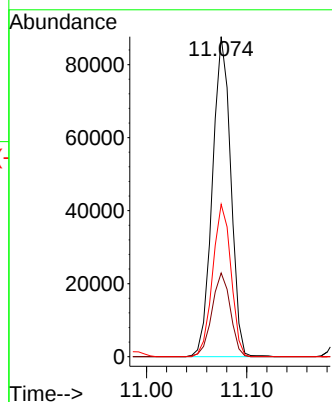
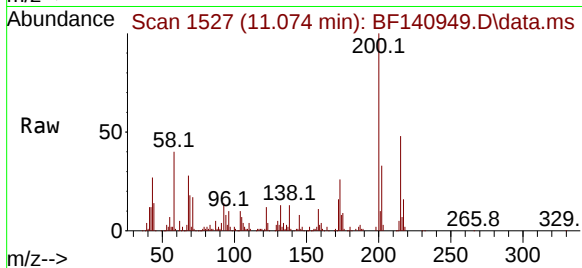
Tgt Ion:200 Resp: 111739

Ion Ratio Lower Upper

200 100

173 26.1 6.6 46.6

215 47.6 26.7 66.7



#70

Pentachlorophenol

Concen: 85.412 ng

RT: 11.198 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

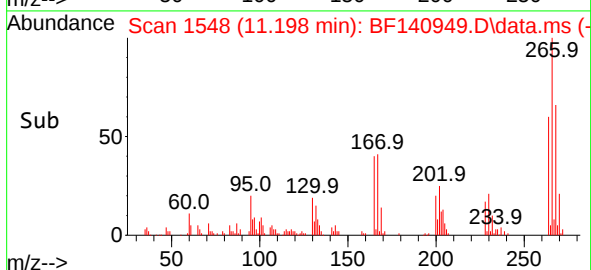
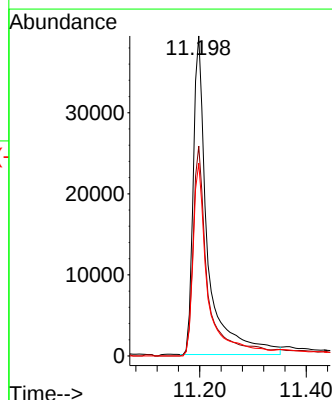
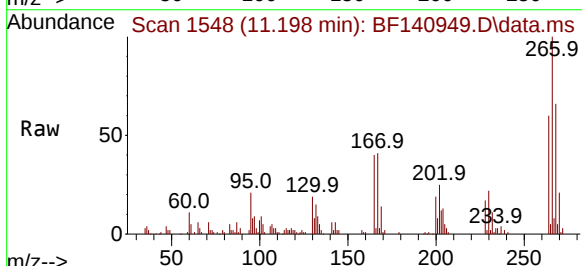
Tgt Ion:266 Resp: 74523

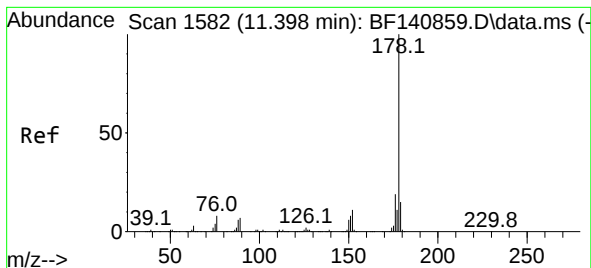
Ion Ratio Lower Upper

266 100

268 65.6 54.0 81.0

264 60.3 49.4 74.2





#71

Phenanthrene

Concen: 58.813 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

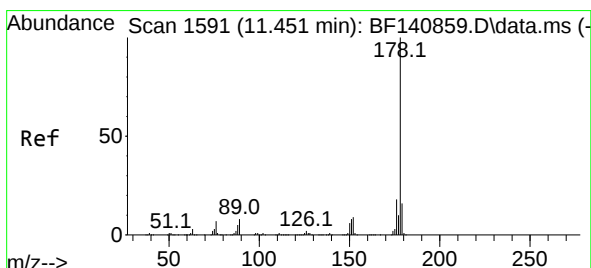
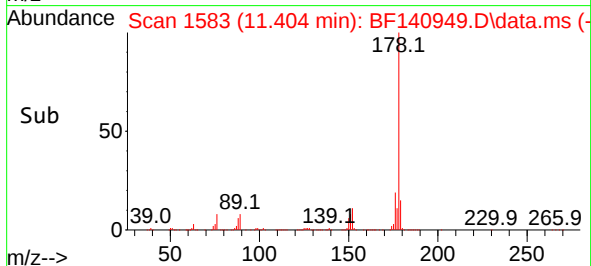
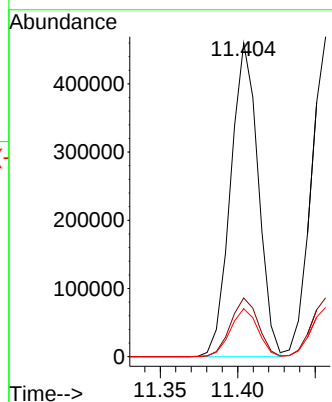
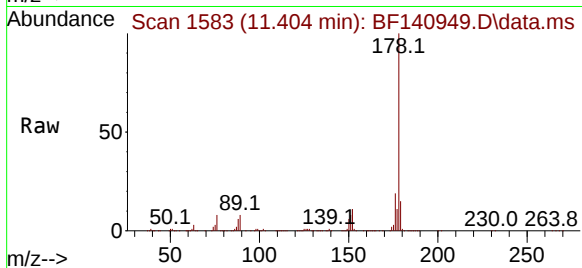
Tgt Ion:178 Resp: 569035

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 15.3 12.1 18.1



#72

Anthracene

Concen: 61.442 ng

RT: 11.457 min Scan# 1592

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

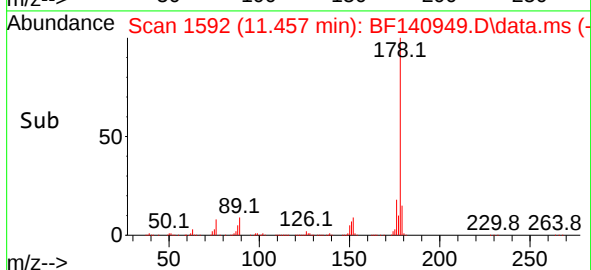
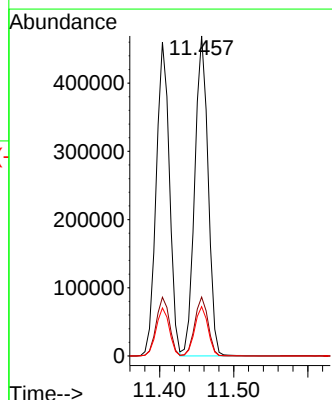
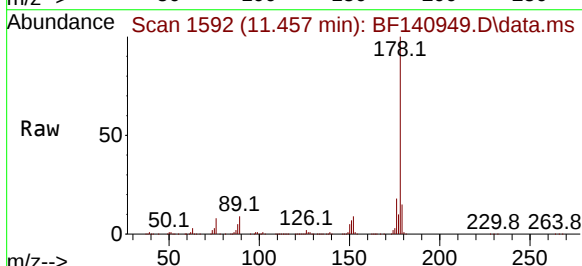
Tgt Ion:178 Resp: 585440

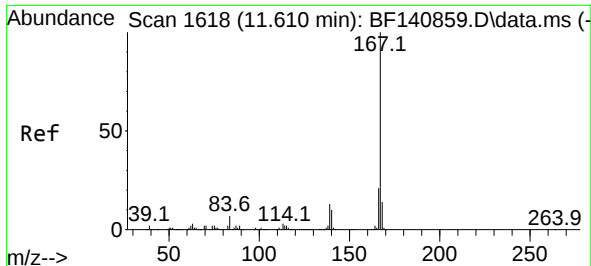
Ion Ratio Lower Upper

178 100

176 18.4 14.6 22.0

179 15.4 12.6 18.8

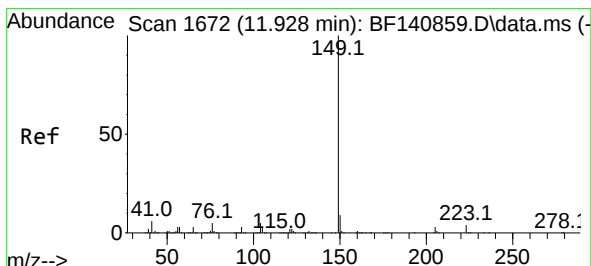
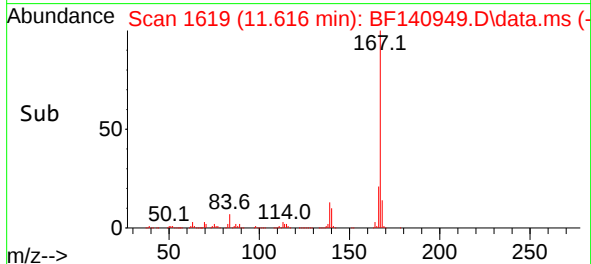
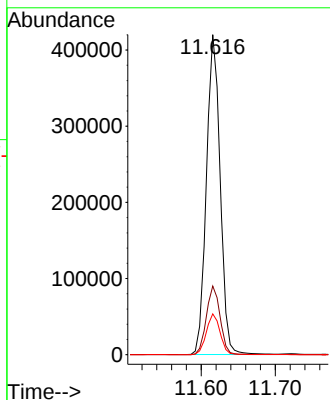
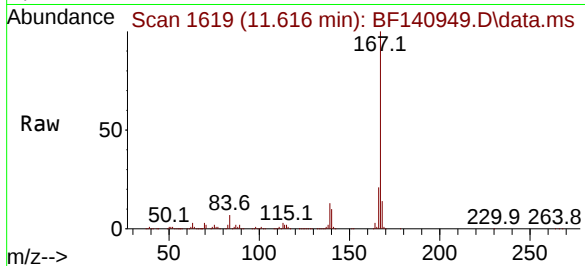




#73
Carbazole
Concen: 57.981 ng
RT: 11.616 min Scan# 1618
Delta R.T. 0.006 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

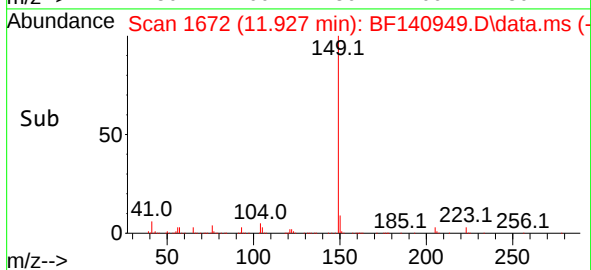
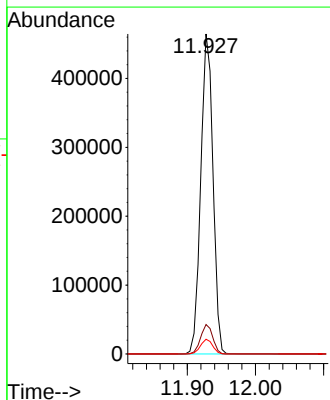
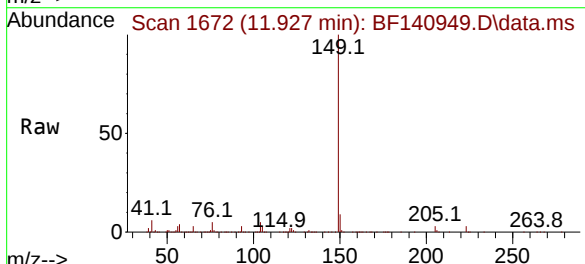
Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

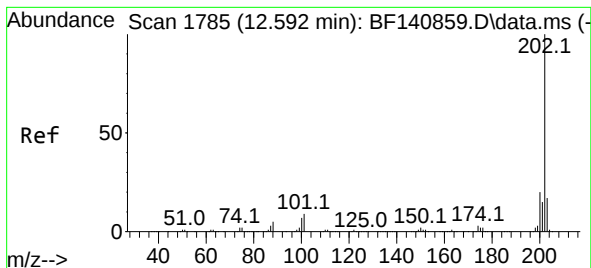
Tgt Ion:167 Resp: 541131
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.6
139 12.7 10.2 15.2



#74
Di-n-butylphthalate
Concen: 52.767 ng
RT: 11.927 min Scan# 1672
Delta R.T. -0.000 min
Lab File: BF140949.D
Acq: 20 Dec 2024 14:36

Tgt Ion:149 Resp: 577959
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.6 3.8 5.8





#75

Fluoranthene

Concen: 56.429 ng

RT: 12.598 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

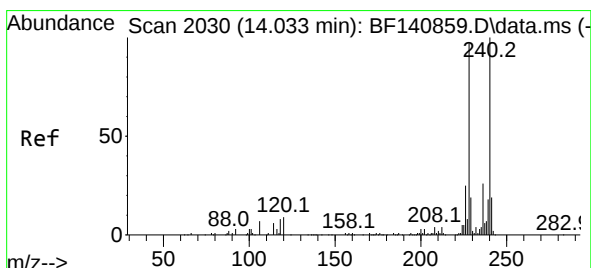
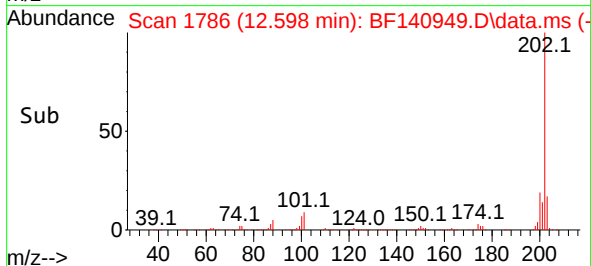
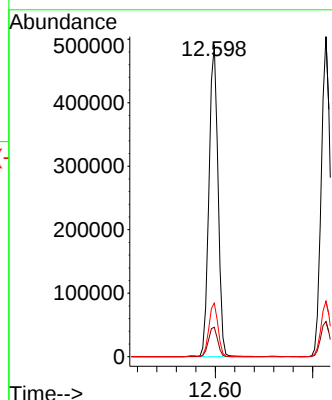
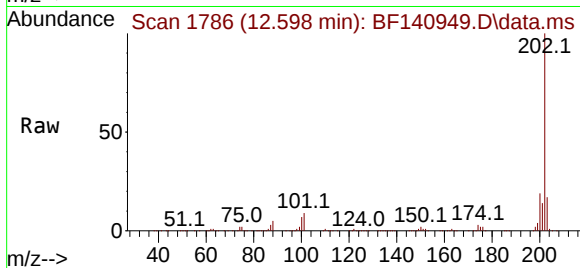
Tgt Ion:202 Resp: 628778

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.3

203 17.2 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.012 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

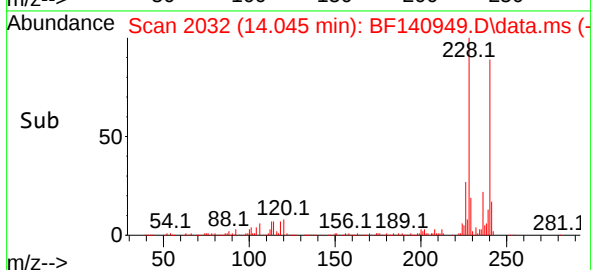
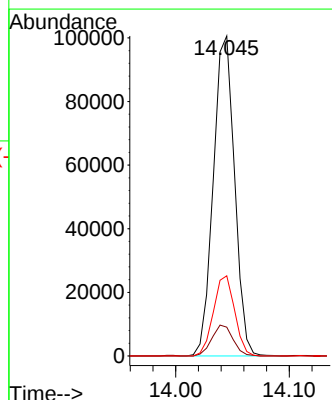
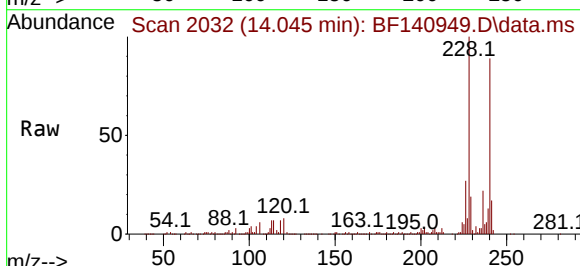
Tgt Ion:240 Resp: 131096

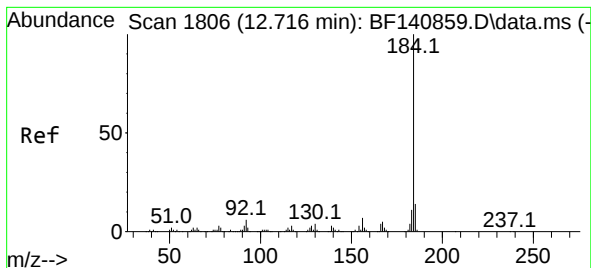
Ion Ratio Lower Upper

240 100

120 9.0 7.6 11.4

236 25.0 20.5 30.7





#77

Benzidine

Concen: 49.567 ng

RT: 12.721 min Scan# 1807

Delta R.T. 0.005 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

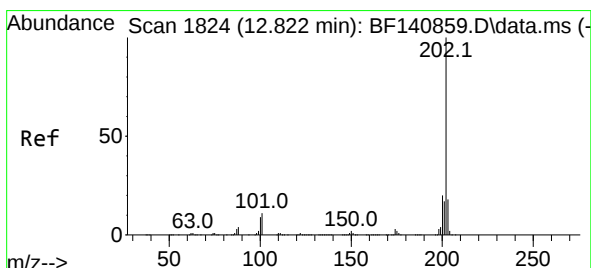
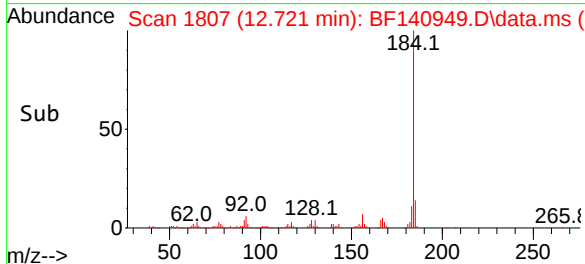
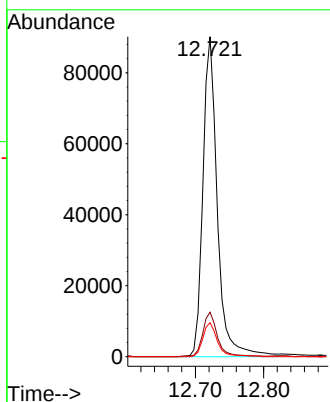
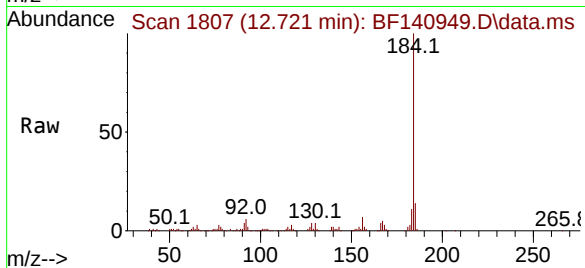
Tgt Ion:184 Resp: 132623

Ion Ratio Lower Upper

184 100

185 13.9 11.1 16.7

183 10.6 9.0 13.4



#78

Pyrene

Concen: 55.145 ng

RT: 12.827 min Scan# 1825

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

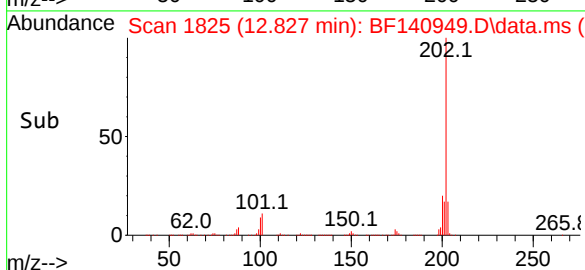
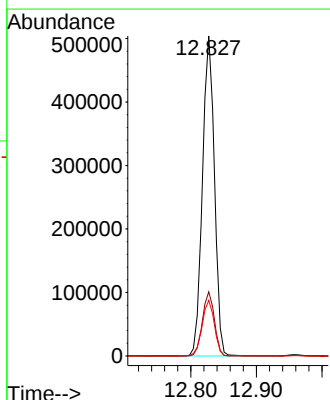
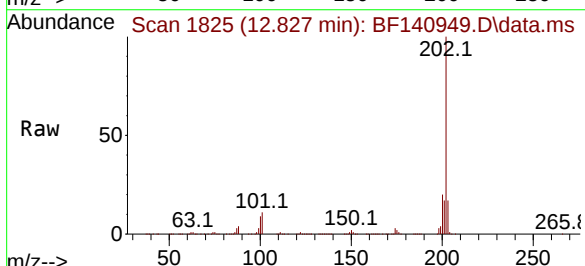
Tgt Ion:202 Resp: 642867

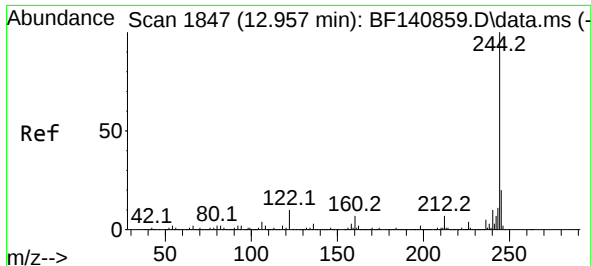
Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

203 17.4 14.2 21.4

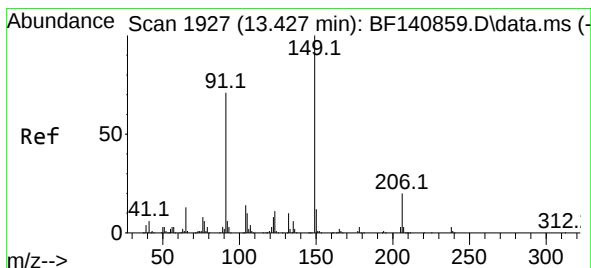
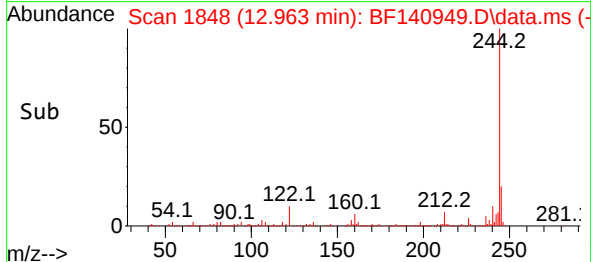
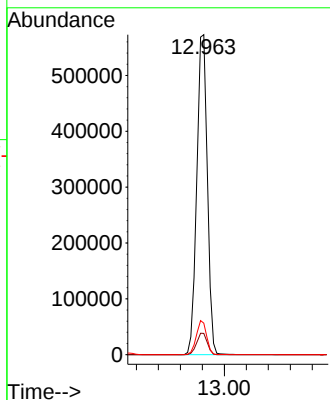
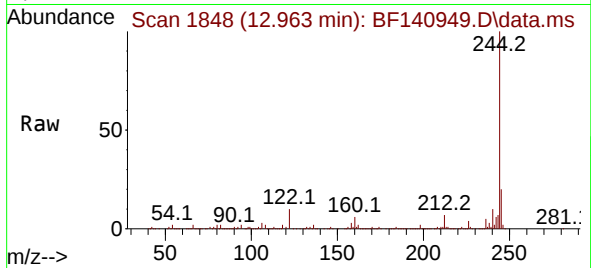




#79
 Terphenyl-d14
 Concen: 92.274 ng
 RT: 12.963 min Scan# 1848
 Delta R.T. 0.006 min
 Lab File: BF140949.D
 Acq: 20 Dec 2024 14:36

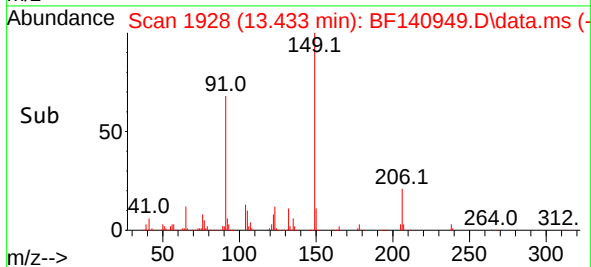
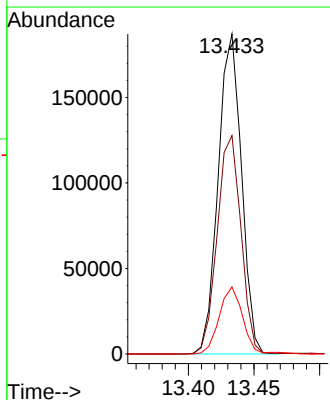
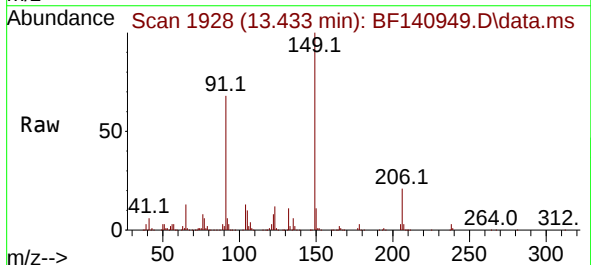
Instrument :
 BNA_F
 ClientSampleId :
 OU4-VSL-11-121224MSD

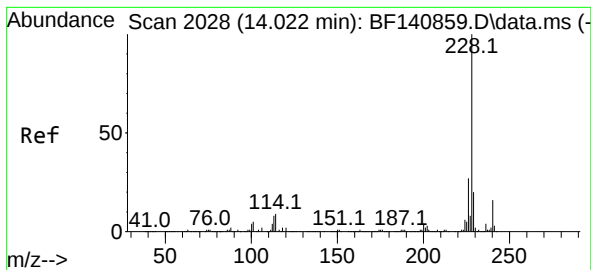
Tgt Ion:244 Resp: 767138
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 9.8 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 53.914 ng
 RT: 13.433 min Scan# 1928
 Delta R.T. 0.006 min
 Lab File: BF140949.D
 Acq: 20 Dec 2024 14:36

Tgt Ion:149 Resp: 231266
 Ion Ratio Lower Upper
 149 100
 91 68.2 56.7 85.1
 206 21.0 16.4 24.6





#81

Benzo(a)anthracene

Concen: 54.752 ng

RT: 14.033 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

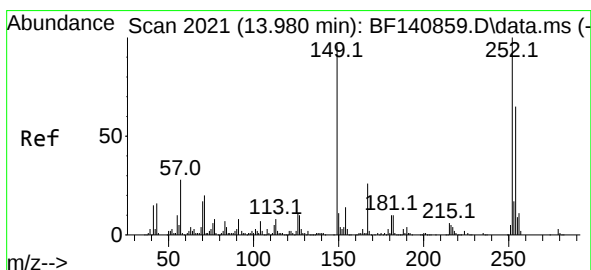
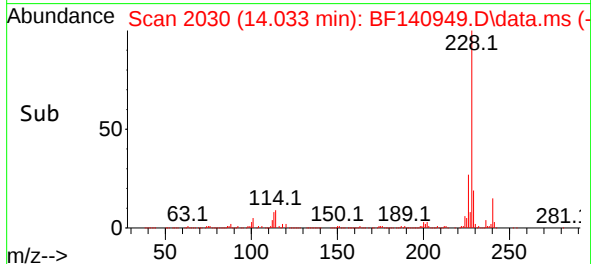
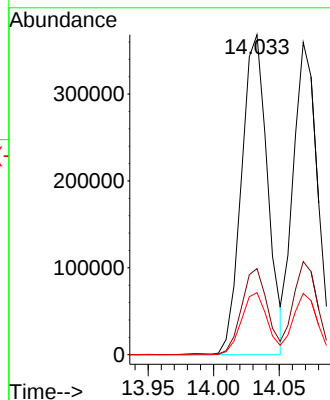
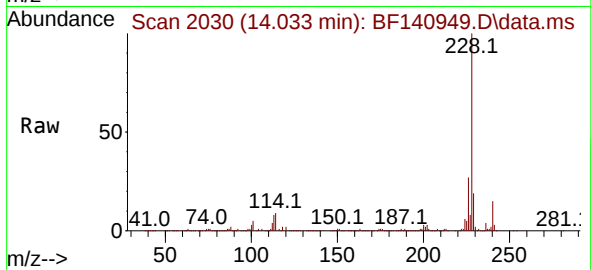
Tgt Ion:228 Resp: 508709

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.8

229 19.4 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 30.219 ng

RT: 13.986 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

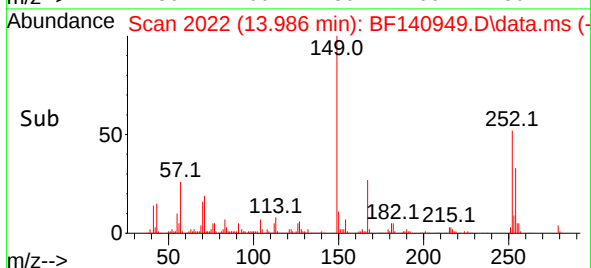
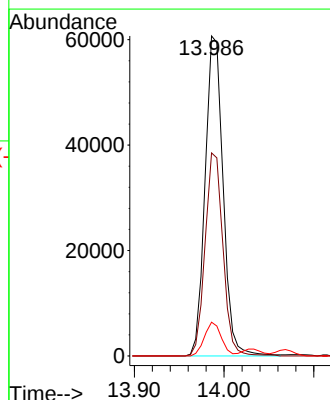
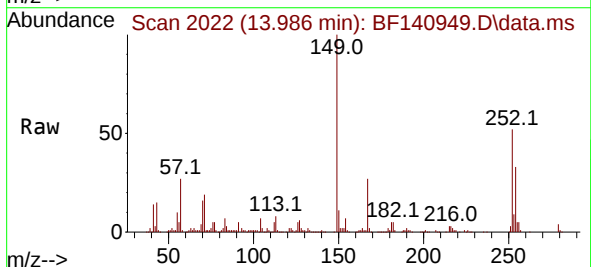
Tgt Ion:252 Resp: 84711

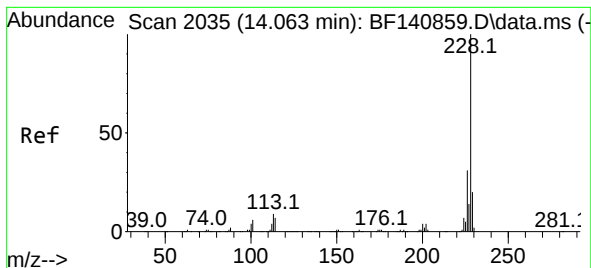
Ion Ratio Lower Upper

252 100

254 63.5 52.3 78.5

126 10.5 8.4 12.6





#83

Chrysene

Concen: 54.249 ng

RT: 14.068 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF140949.D

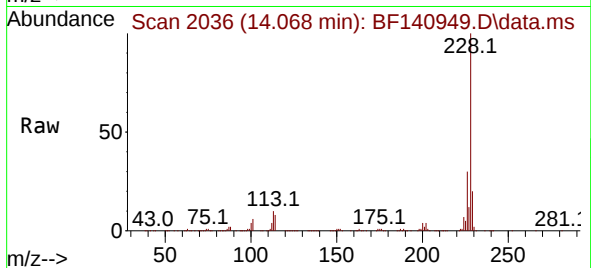
Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD



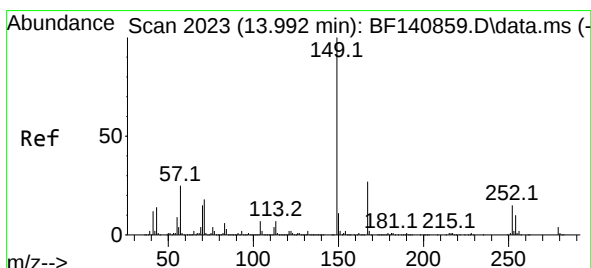
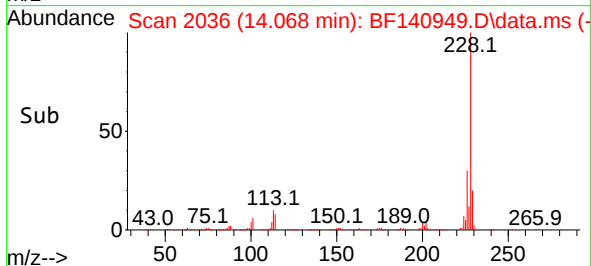
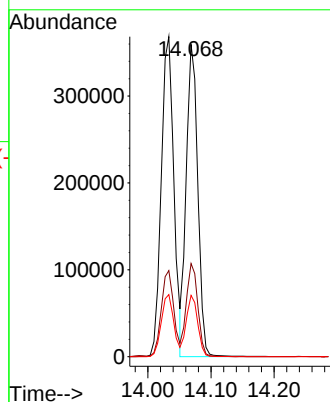
Tgt Ion:228 Resp: 458342

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 19.6 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.188 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

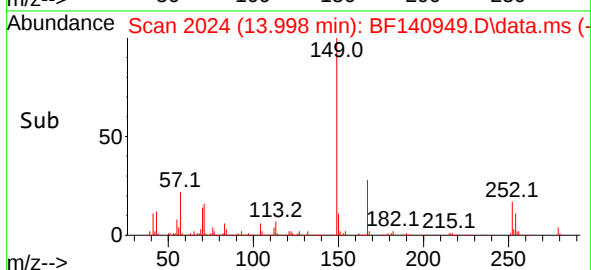
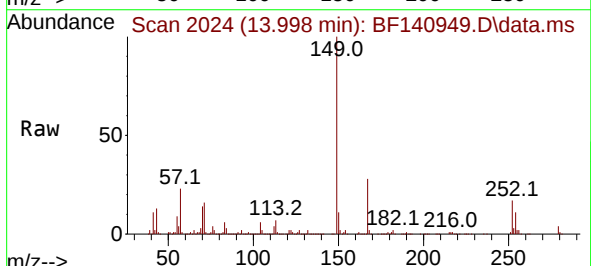
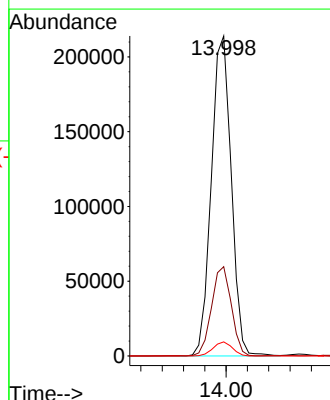
Tgt Ion:149 Resp: 277592

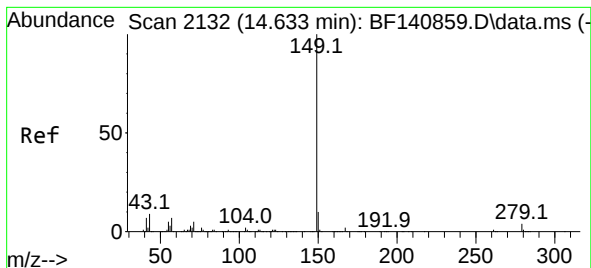
Ion Ratio Lower Upper

149 100

167 27.9 21.8 32.8

279 4.4 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 45.836 ng

RT: 14.639 min Scan# 2133

Delta R.T. 0.006 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

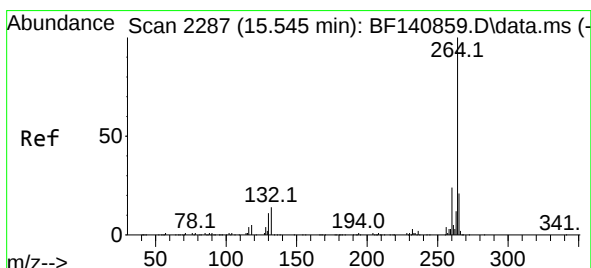
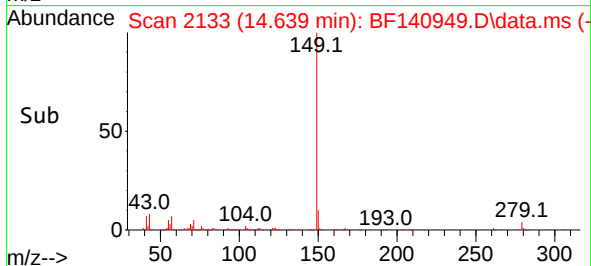
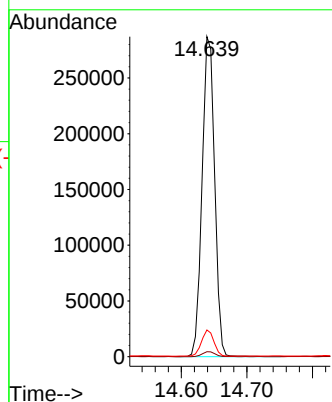
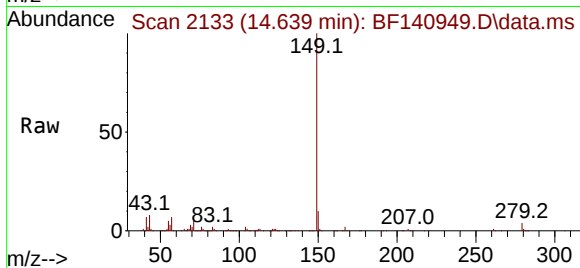
Tgt Ion:149 Resp: 383542

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.0 7.0 10.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2290

Delta R.T. 0.017 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

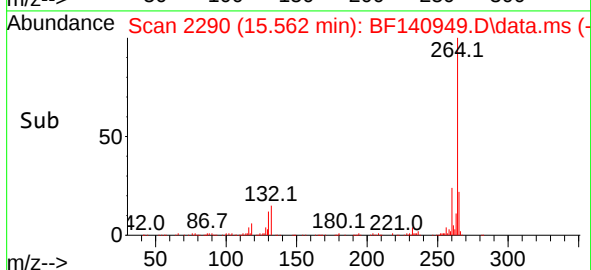
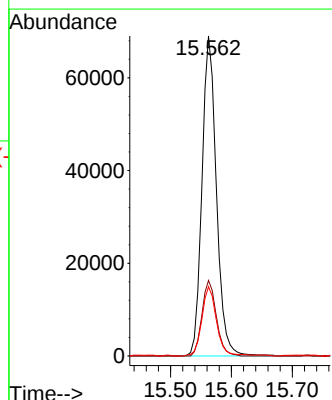
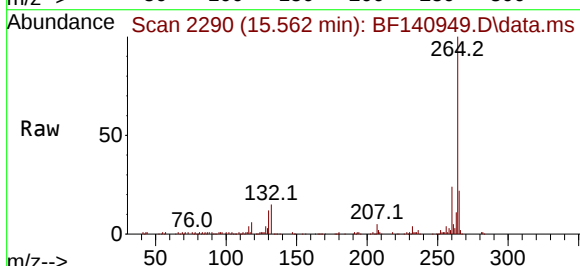
Tgt Ion:264 Resp: 113765

Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 21.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 68.540 ng

RT: 17.086 min Scan# 2116

Delta R.T. 0.035 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

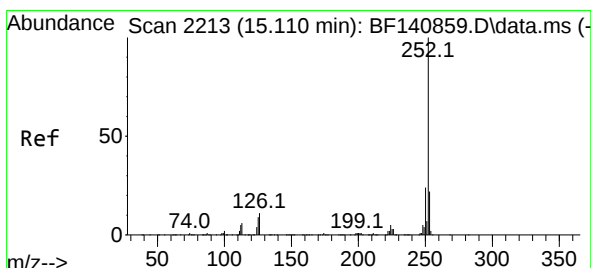
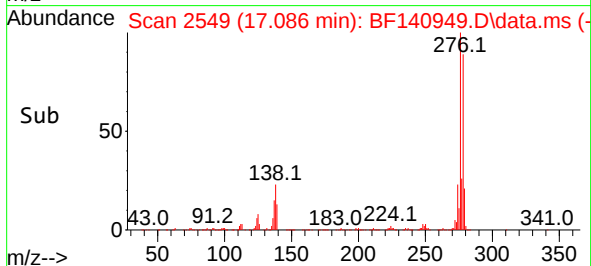
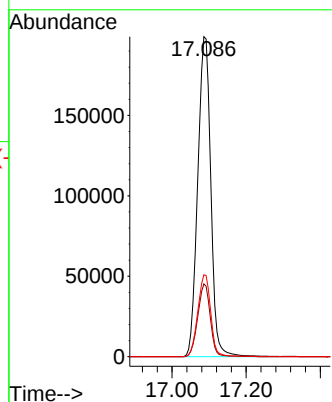
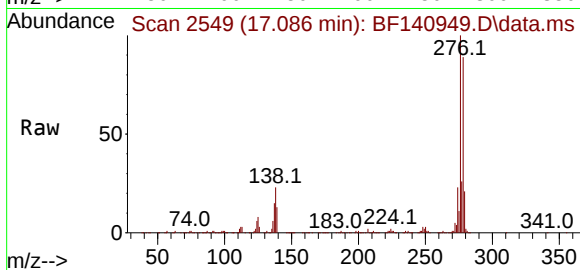
Tgt Ion:276 Resp: 486592

Ion Ratio Lower Upper

276 100

138 21.8 16.9 25.3

277 25.4 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 53.241 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.017 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

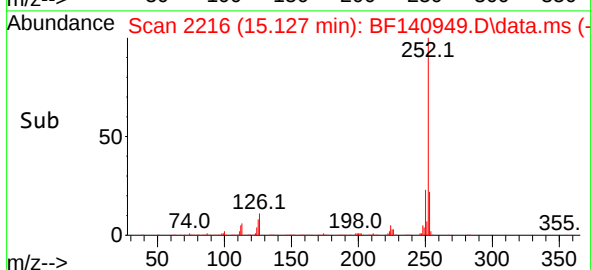
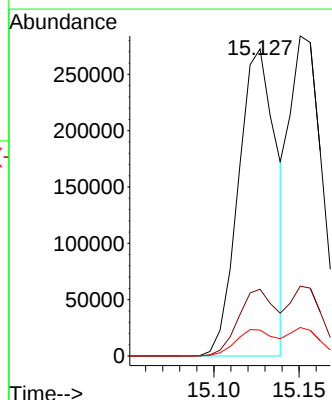
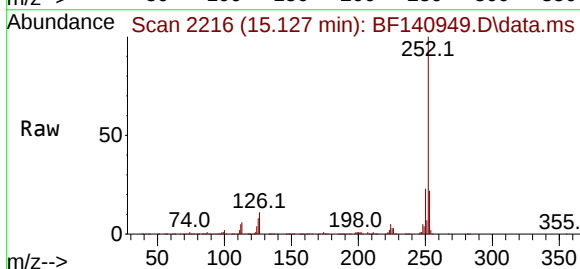
Tgt Ion:252 Resp: 420442

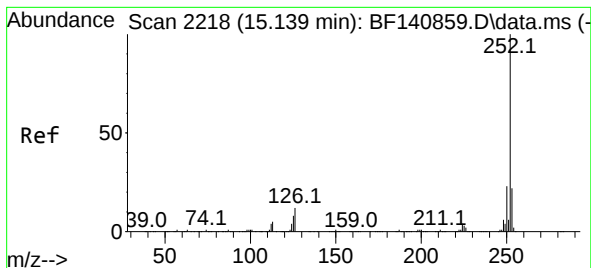
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 8.4 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 55.882 ng

RT: 15.151 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-VSL-11-121224MSD

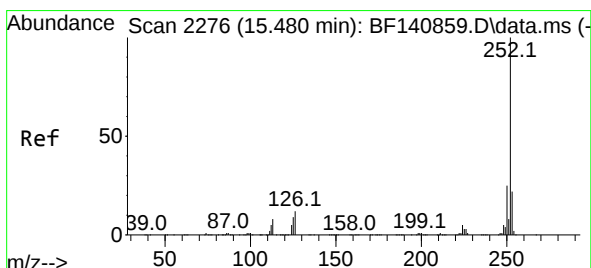
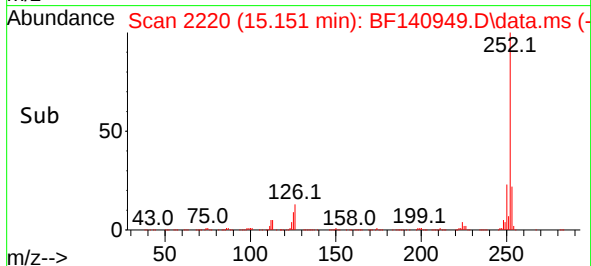
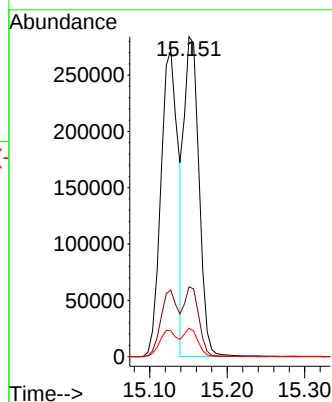
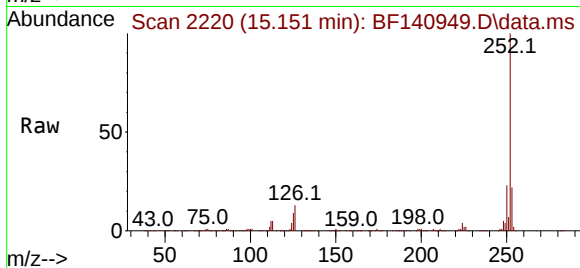
Tgt Ion:252 Resp: 378547

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 8.9 6.8 10.2



#90

Benzo(a)pyrene

Concen: 60.174 ng

RT: 15.504 min Scan# 2280

Delta R.T. 0.023 min

Lab File: BF140949.D

Acq: 20 Dec 2024 14:36

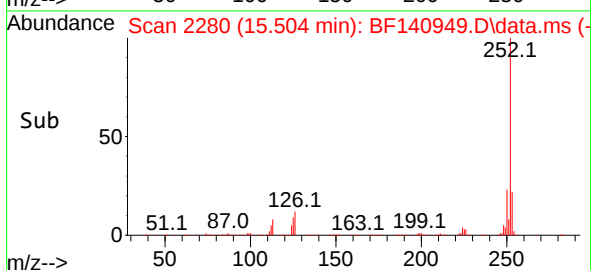
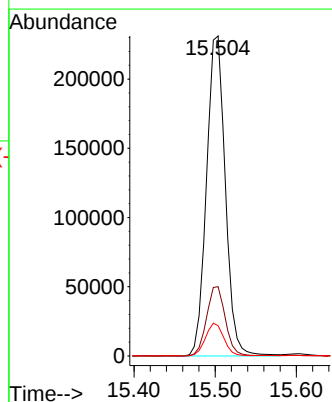
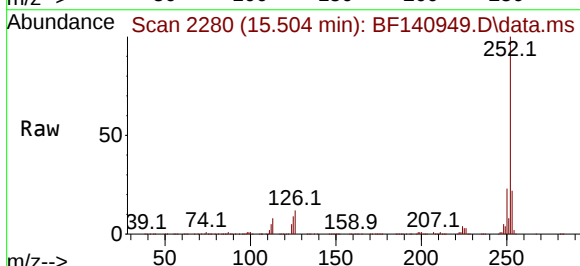
Tgt Ion:252 Resp: 372093

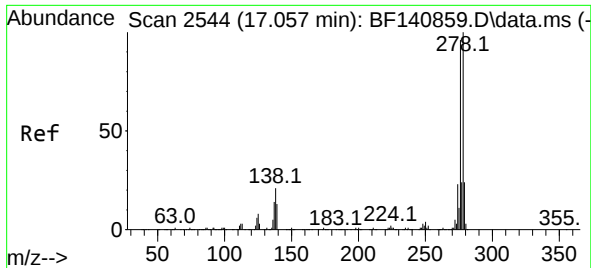
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 9.5 7.5 11.3

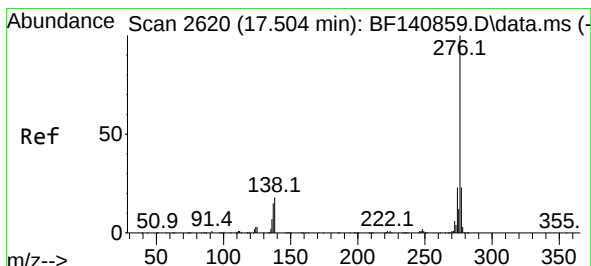
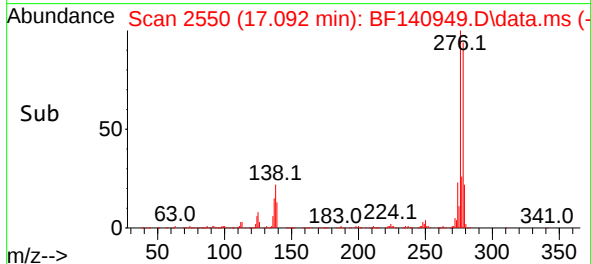
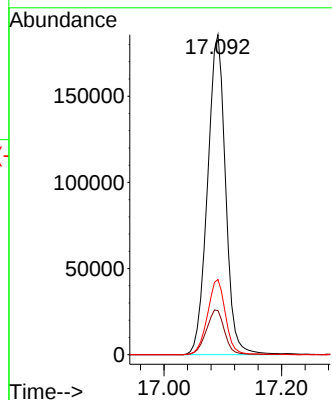
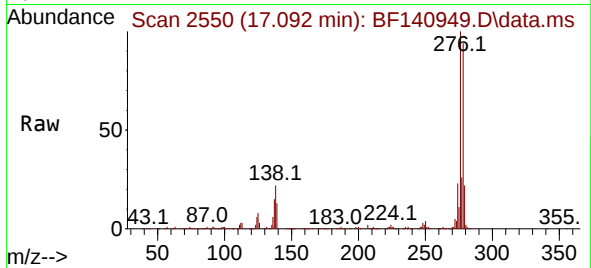




#91
 Dibenzo(a,h)anthracene
 Concen: 67.298 ng
 RT: 17.092 min Scan# 21
 Delta R.T. 0.035 min
 Lab File: BF140949.D
 Acq: 20 Dec 2024 14:36

Instrument :
 BNA_F
 ClientSampleId :
 OU4-VSL-11-121224MSD

Tgt Ion:278 Resp: 395812
 Ion Ratio Lower Upper
 278 100
 139 13.8 10.6 16.0
 279 23.5 19.2 28.8



#92
 Benzo(g,h,i)perylene
 Concen: 61.149 ng
 RT: 17.545 min Scan# 2627
 Delta R.T. 0.041 min
 Lab File: BF140949.D
 Acq: 20 Dec 2024 14:36

Tgt Ion:276 Resp: 366040
 Ion Ratio Lower Upper
 276 100
 277 23.0 18.7 28.1
 138 17.9 14.2 21.2

