

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052824\
 Data File : BF138045.D
 Acq On : 28 May 2024 14:10
 Operator : CG\JU
 Sample : P2612-10MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11933MSD

Quant Time: May 28 14:32:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	139935	20.000	ng	-0.01
21) Naphthalene-d8	8.322	136	530750	20.000	ng	0.00
39) Acenaphthene-d10	10.086	164	277227	20.000	ng	0.00
64) Phenanthrene-d10	11.580	188	372137	20.000	ng	0.00
76) Chrysene-d12	14.233	240	270539	20.000	ng	0.00
86) Perylene-d12	15.798	264	248496	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	782491	94.985	ng	0.00
7) Phenol-d6	6.657	99	966839	95.274	ng	0.00
23) Nitrobenzene-d5	7.598	82	578694	64.167	ng	-0.01
42) 2,4,6-Tribromophenol	10.880	330	251538	89.987	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	1092808	60.721	ng	0.00
79) Terphenyl-d14	13.163	244	809723	44.111	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.016	88	133745	37.476	ng	99
3) Pyridine	3.769	79	326906	40.825	ng	100
4) n-Nitrosodimethylamine	3.734	42	150256	42.535	ng	97
6) Aniline	6.698	93	305405	33.647	ng	98
8) 2-Chlorophenol	6.822	128	398645	44.715	ng	98
9) Benzaldehyde	6.587	77	60025	10.933	ng	99
10) Phenol	6.669	94	451314	44.061	ng	98
11) bis(2-Chloroethyl)ether	6.769	93	346501	44.058	ng	97
12) 1,3-Dichlorobenzene	6.975	146	429878	41.675	ng	98
13) 1,4-Dichlorobenzene	7.051	146	438555	42.357	ng	98
14) 1,2-Dichlorobenzene	7.204	146	417311	42.825	ng	99
15) Benzyl Alcohol	7.175	79	314836	46.461	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.298	45	432689	44.757	ng	99
17) 2-Methylphenol	7.281	107	311184	43.768	ng	98
18) Hexachloroethane	7.545	117	149386	42.638	ng	95
19) n-Nitroso-di-n-propyla...	7.439	70	255177	44.757	ng	99
20) 3+4-Methylphenols	7.428	107	398030	42.733	ng	95
22) Acetophenone	7.445	105	533216	44.847	ng	99
24) Nitrobenzene	7.616	77	383815	41.951	ng	97
25) Isophorone	7.851	82	693144	44.284	ng	99
26) 2-Nitrophenol	7.934	139	215748	46.931	ng	98
27) 2,4-Dimethylphenol	7.957	122	283144	47.839	ng	96
28) bis(2-Chloroethoxy)met...	8.057	93	418725	44.139	ng	99
29) 2,4-Dichlorophenol	8.175	162	329349	44.251	ng	97
30) 1,2,4-Trichlorobenzene	8.257	180	356548	42.906	ng	100
31) Naphthalene	8.345	128	1259710	47.204	ng	99
32) Benzoic acid	8.075	122	185277	37.031	ng	97
33) 4-Chloroaniline	8.386	127	146719	16.771	ng	97
34) Hexachlorobutadiene	8.451	225	220049	41.835	ng	99
35) Caprolactam	8.763	113	99149	45.981	ng	98
36) 4-Chloro-3-methylphenol	8.863	107	328855	43.435	ng	97
37) 2-Methylnaphthalene	9.033	142	761627	44.400	ng	99
38) 1-Methylnaphthalene	9.133	142	696992	41.330	ng	100
40) 1,2,4,5-Tetrachloroben...	9.198	216	355260	47.137	ng	99
41) Hexachlorocyclopentadiene	9.186	237	236863	82.710	ng	99
43) 2,4,6-Trichlorophenol	9.310	196	230890	46.724	ng	99

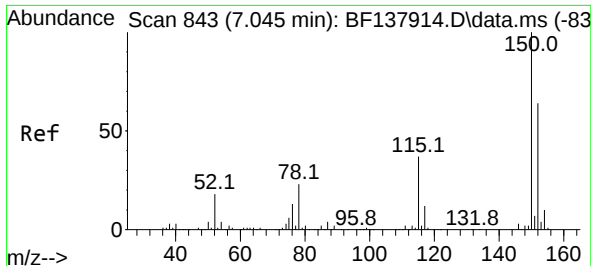
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052824\
 Data File : BF138045.D
 Acq On : 28 May 2024 14:10
 Operator : CG\JU
 Sample : P2612-10MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11933MSD

Quant Time: May 28 14:32:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.357	196	242134	44.781	ng	98
46) 1,1'-Biphenyl	9.498	154	897340	46.149	ng	99
47) 2-Chloronaphthalene	9.528	162	684029	44.069	ng	98
48) 2-Nitroaniline	9.622	65	179101	45.060	ng	96
49) Acenaphthylene	9.945	152	1045830	46.860	ng	99
50) Dimethylphthalate	9.798	163	815124	46.888	ng	100
51) 2,6-Dinitrotoluene	9.863	165	175769	44.053	ng	95
52) Acenaphthene	10.122	154	677931	45.958	ng	99
53) 3-Nitroaniline	10.033	138	127979	32.810	ng	100
54) 2,4-Dinitrophenol	10.139	184	150675	70.781	ng #	83
55) Dibenzofuran	10.292	168	933397	43.479	ng	98
56) 4-Nitrophenol	10.186	139	220395	78.670	ng	95
57) 2,4-Dinitrotoluene	10.269	165	220251	42.700	ng	99
58) Fluorene	10.633	166	715308	42.126	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.404	232	182654	43.001	ng	97
60) Diethylphthalate	10.498	149	737281	45.411	ng	99
61) 4-Chlorophenyl-phenyle...	10.622	204	364295	43.504	ng	97
62) 4-Nitroaniline	10.651	138	138083	37.324	ng	95
63) Azobenzene	10.786	77	622229	42.133	ng	96
65) 4,6-Dinitro-2-methylph...	10.675	198	101603	47.285	ng	97
66) n-Nitrosodiphenylamine	10.739	169	599133	52.499	ng	99
67) 4-Bromophenyl-phenylether	11.116	248	208154	51.022	ng	97
68) Hexachlorobenzene	11.186	284	211976	47.005	ng	97
69) Atrazine	11.263	200	183522	58.891	ng	99
70) Pentachlorophenol	11.380	266	229830	87.005	ng	98
71) Phenanthrene	11.604	178	834758	45.519	ng	100
72) Anthracene	11.657	178	838111	46.062	ng	100
73) Carbazole	11.810	167	715027	43.019	ng	99
74) Di-n-butylphthalate	12.127	149	911003	49.388	ng	100
75) Fluoranthene	12.798	202	772926	41.524	ng	99
77) Benzidine	12.916	184	245609	69.466	ng	100
78) Pyrene	13.027	202	797851	33.718	ng	100
80) Butylbenzylphthalate	13.633	149	318960	44.689	ng	99
81) Benzo(a)anthracene	14.221	228	783531	45.778	ng	98
82) 3,3'-Dichlorobenzidine	14.180	252	219726	46.323	ng	98
83) Chrysene	14.257	228	741678	45.309	ng	100
84) Bis(2-ethylhexyl)phtha...	14.186	149	489004	54.504	ng	98
85) Di-n-octyl phthalate	14.815	149	814443	67.195	ng	99
87) Indeno(1,2,3-cd)pyrene	17.427	276	570373	35.726	ng	98
88) Benzo(b)fluoranthene	15.327	252	707195	49.152	ng	99
89) Benzo(k)fluoranthene	15.357	252	703645	49.781	ng	97
90) Benzo(a)pyrene	15.727	252	606034	49.327	ng	97
91) Dibenzo(a,h)anthracene	17.445	278	456620	34.617	ng	99
92) Benzo(g,h,i)perylene	17.921	276	421456	30.415	ng	99

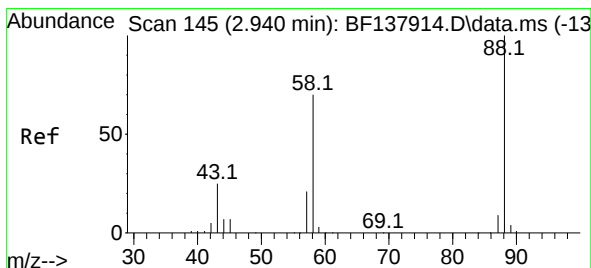
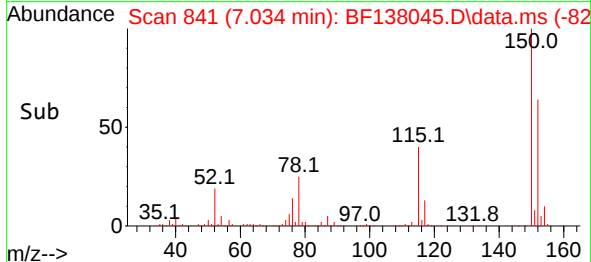
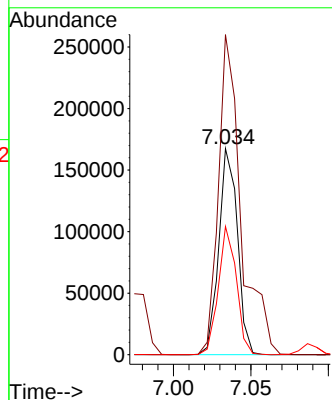
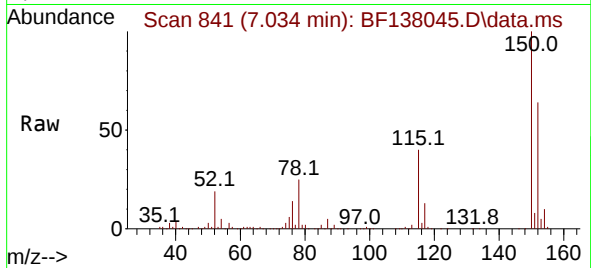
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

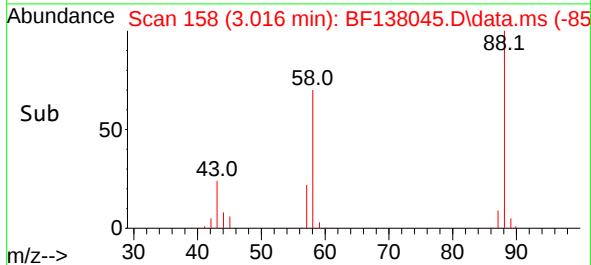
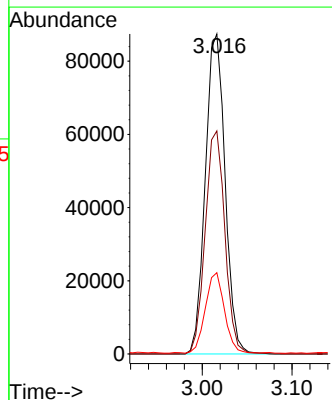
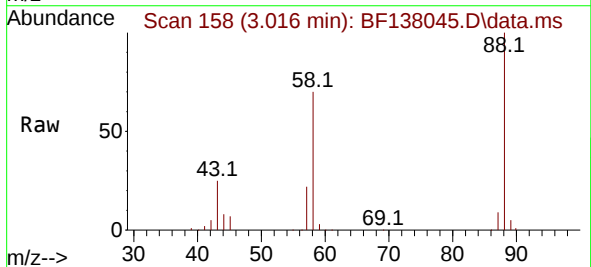
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

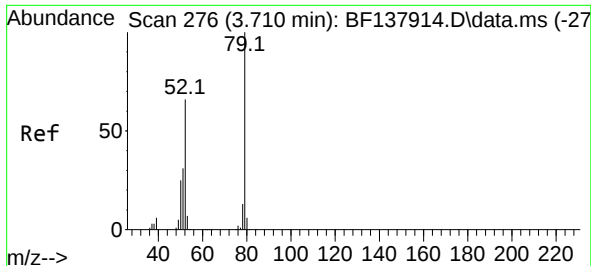
Tgt Ion:152 Resp: 139935
Ion Ratio Lower Upper
152 100
150 155.3 125.7 188.5
115 62.2 47.0 70.6



#2
1,4-Dioxane
Concen: 37.476 ng
RT: 3.016 min Scan# 158
Delta R.T. 0.076 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion: 88 Resp: 133745
Ion Ratio Lower Upper
88 100
58 69.3 54.4 81.6
43 24.3 19.6 29.4

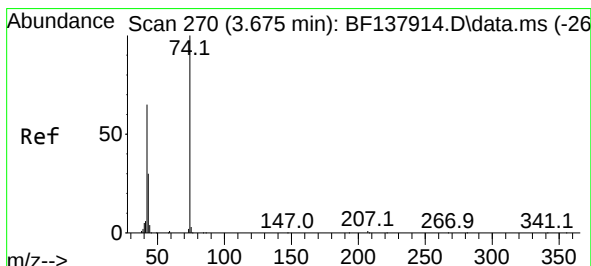
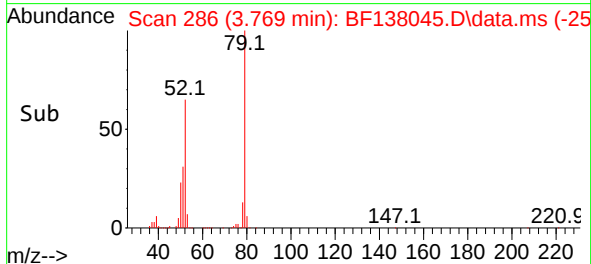
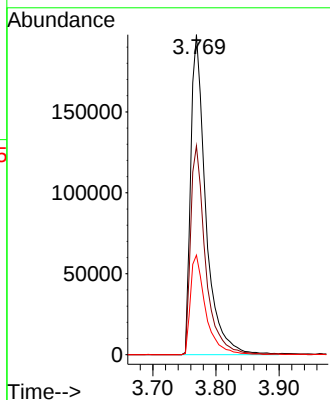
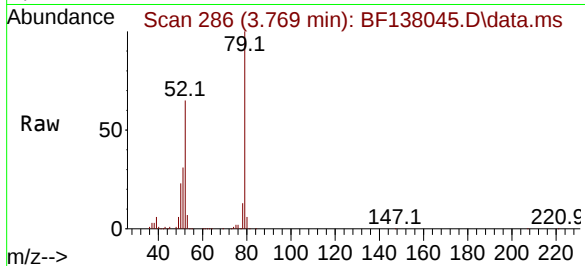




#3
 Pyridine
 Concen: 40.825 ng
 RT: 3.769 min Scan# 21
 Delta R.T. 0.059 min
 Lab File: BF138045.D
 Acq: 28 May 2024 14:10

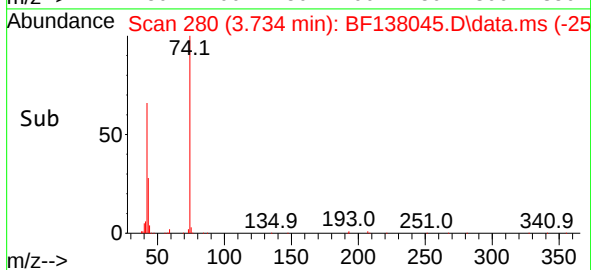
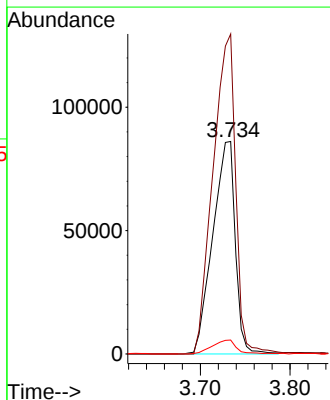
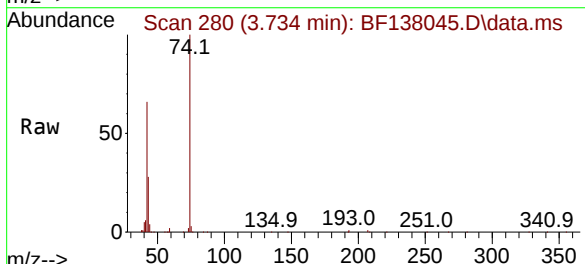
Instrument :
 BNA_F
 ClientSampleId :
 72-11933MSD

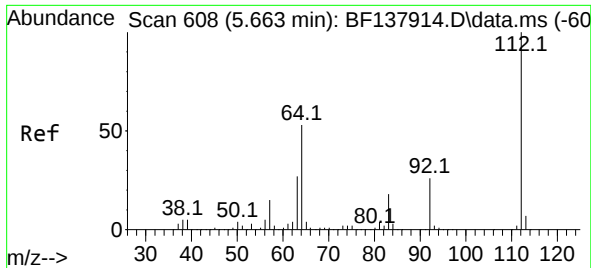
Tgt Ion: 79 Resp: 326906
 Ion Ratio Lower Upper
 79 100
 52 65.3 52.5 78.7
 51 31.1 25.1 37.7



#4
 n-Nitrosodimethylamine
 Concen: 42.535 ng
 RT: 3.734 min Scan# 280
 Delta R.T. 0.059 min
 Lab File: BF138045.D
 Acq: 28 May 2024 14:10

Tgt Ion: 42 Resp: 150256
 Ion Ratio Lower Upper
 42 100
 74 150.6 123.1 184.7
 44 6.6 5.0 7.6

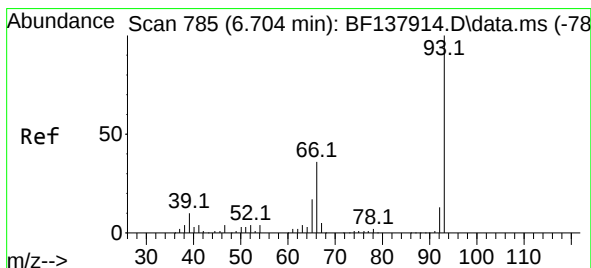
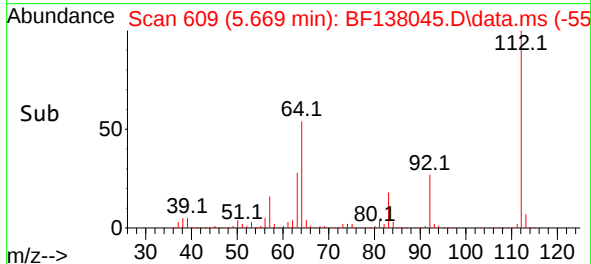
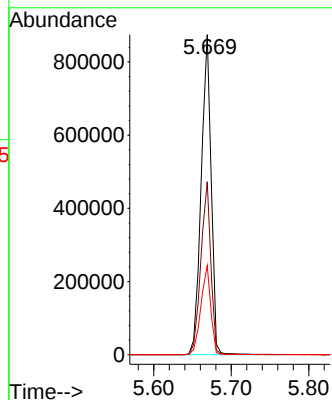
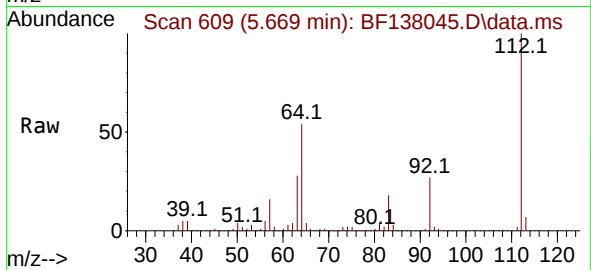




#5
2-Fluorophenol
Concen: 94.985 ng
RT: 5.669 min Scan# 608
Delta R.T. 0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

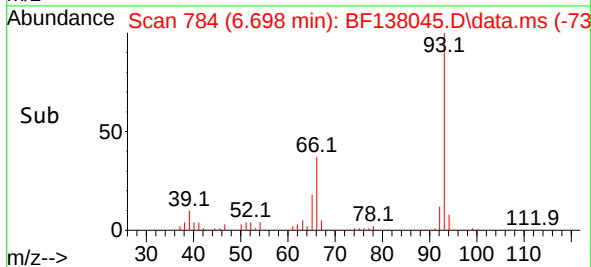
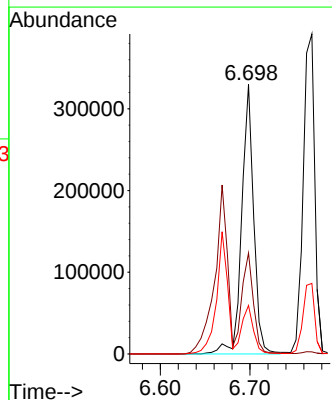
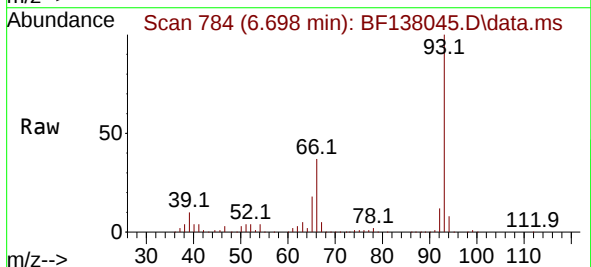
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

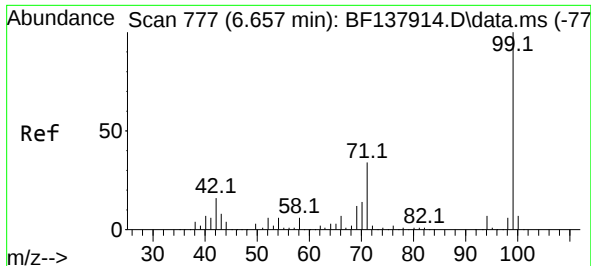
Tgt Ion:112 Resp: 782491
Ion Ratio Lower Upper
112 100
64 54.0 42.4 63.6
63 27.8 21.4 32.2



#6
Aniline
Concen: 33.647 ng
RT: 6.698 min Scan# 784
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion: 93 Resp: 305405
Ion Ratio Lower Upper
93 100
66 37.5 30.7 46.1
65 18.0 15.0 22.4





#7

Phenol-d6

Concen: 95.274 ng

RT: 6.657 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

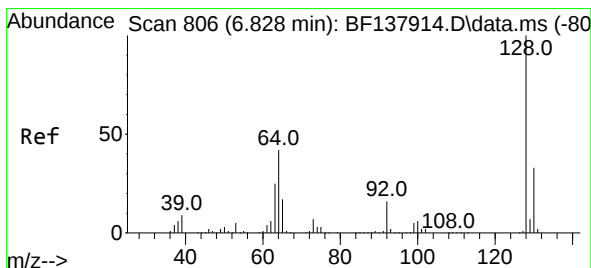
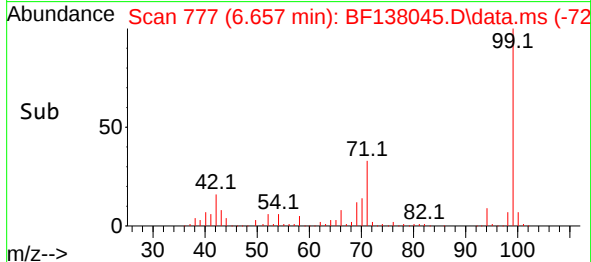
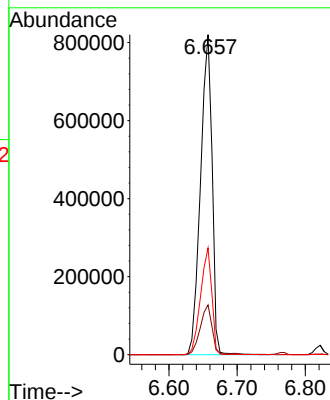
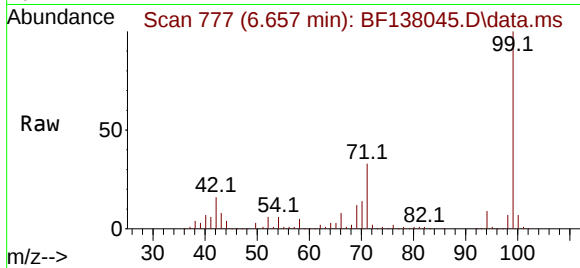
Tgt Ion: 99 Resp: 966839

Ion Ratio Lower Upper

99 100

42 15.5 12.6 18.8

71 33.3 27.1 40.7



#8

2-Chlorophenol

Concen: 44.715 ng

RT: 6.822 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

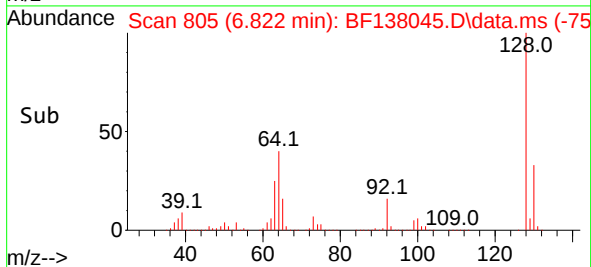
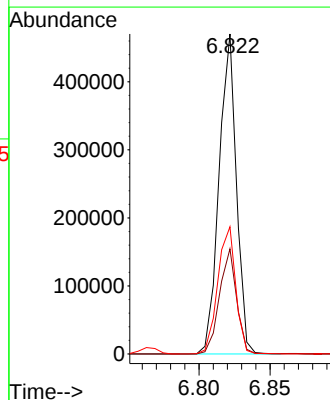
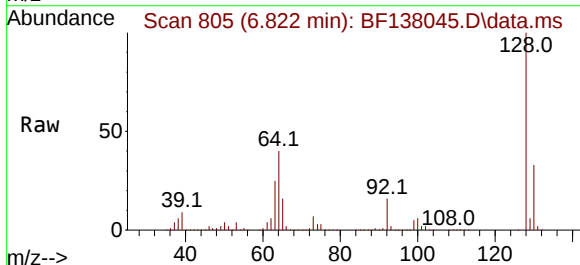
Tgt Ion: 128 Resp: 398645

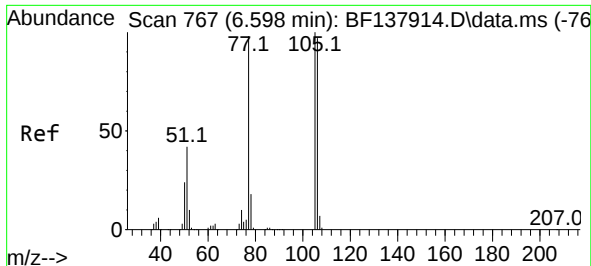
Ion Ratio Lower Upper

128 100

130 32.8 12.8 52.8

64 39.7 22.2 62.2

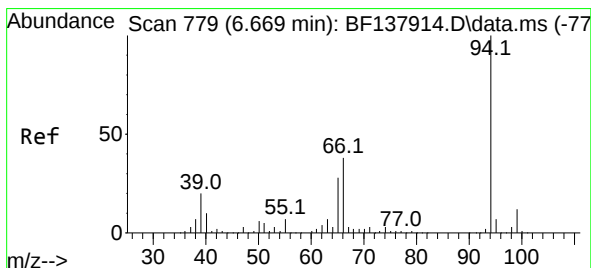
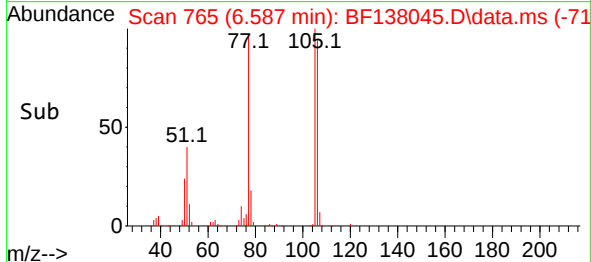
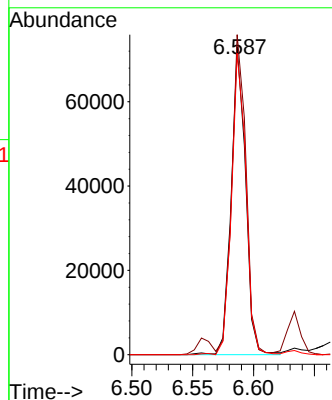
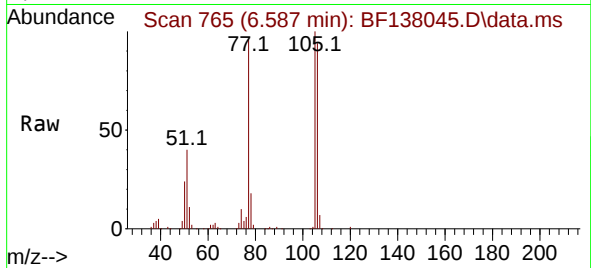




#9
Benzaldehyde
Concen: 10.933 ng
RT: 6.587 min Scan# 765
Delta R.T. -0.011 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

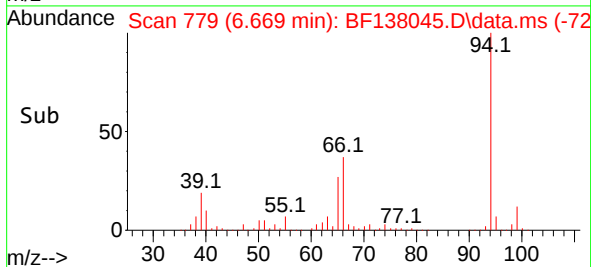
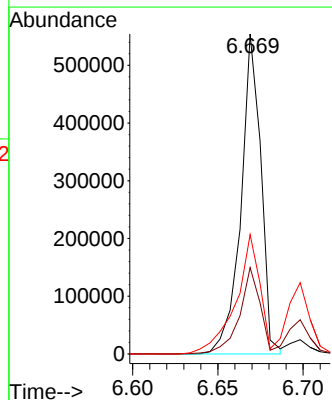
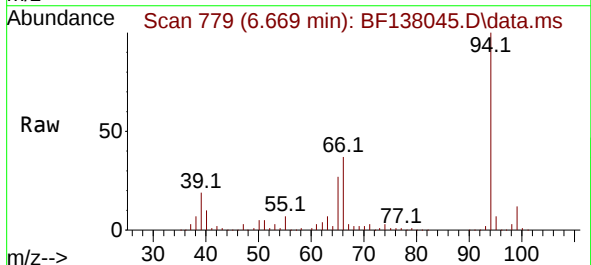
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

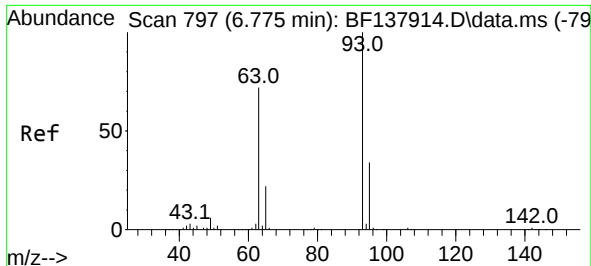
Tgt Ion: 77 Resp: 60025
Ion Ratio Lower Upper
77 100
105 103.9 82.3 122.3
106 97.8 79.2 119.2



#10
Phenol
Concen: 44.061 ng
RT: 6.669 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion: 94 Resp: 451314
Ion Ratio Lower Upper
94 100
65 27.0 7.8 47.8
66 37.3 18.6 58.6

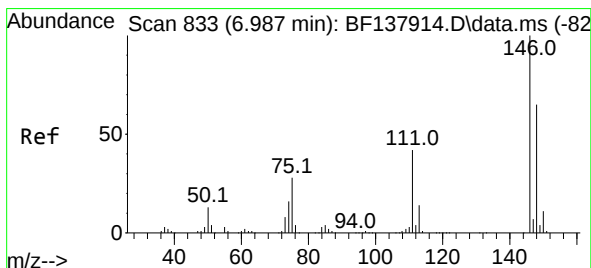
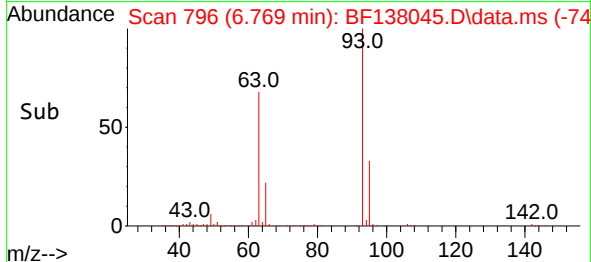
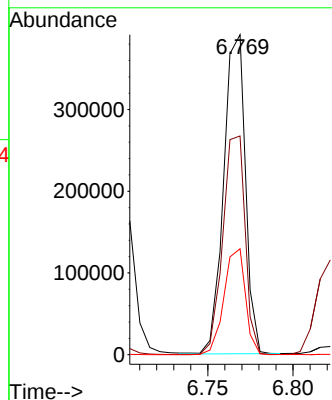
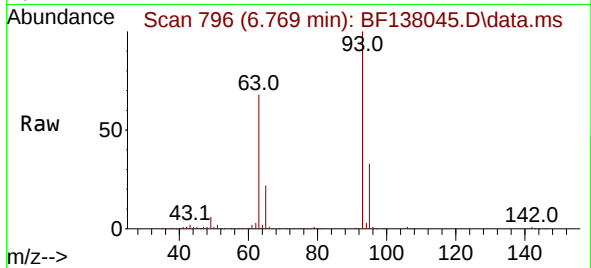




#11
bis(2-Chloroethyl)ether
Concen: 44.058 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

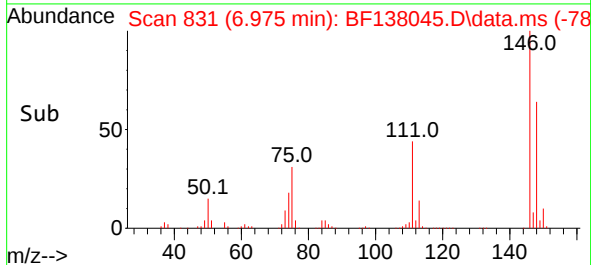
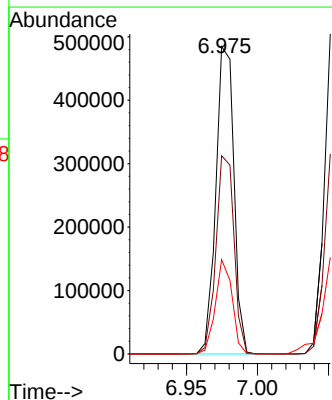
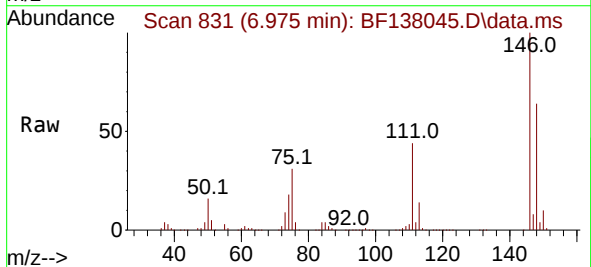
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

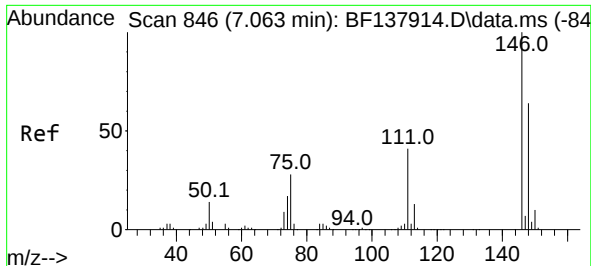
Tgt Ion: 93 Resp: 346501
Ion Ratio Lower Upper
93 100
63 68.4 51.4 91.4
95 33.1 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 41.675 ng
RT: 6.975 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:146 Resp: 429878
Ion Ratio Lower Upper
146 100
148 64.5 51.7 77.5
75 30.6 22.4 33.6





#13

1,4-Dichlorobenzene

Concen: 42.357 ng

RT: 7.051 min Scan# 84

Delta R.T. -0.012 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

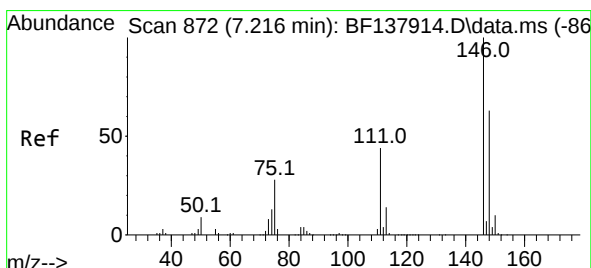
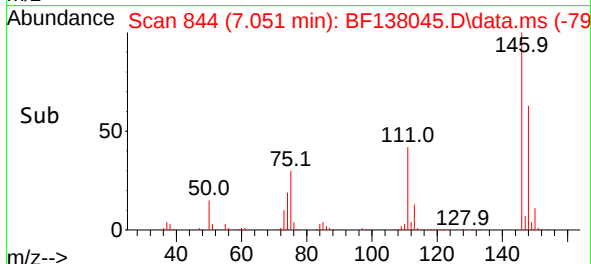
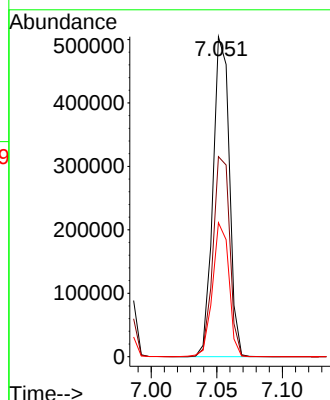
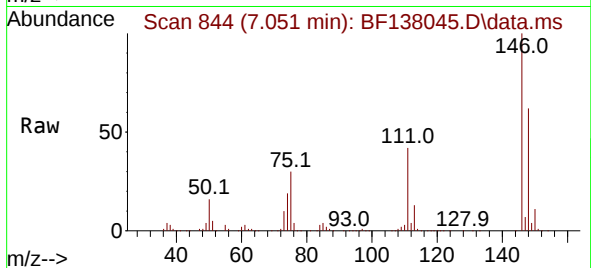
Tgt Ion:146 Resp: 438555

Ion Ratio Lower Upper

146 100

148 62.5 51.0 76.6

111 41.8 32.5 48.7



#14

1,2-Dichlorobenzene

Concen: 42.825 ng

RT: 7.204 min Scan# 870

Delta R.T. -0.012 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

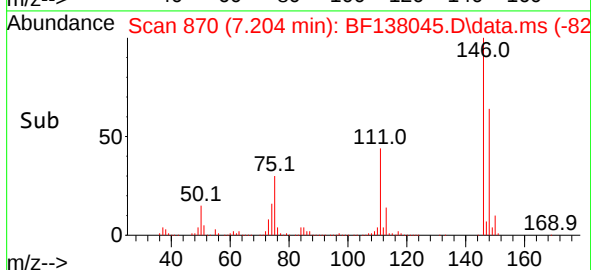
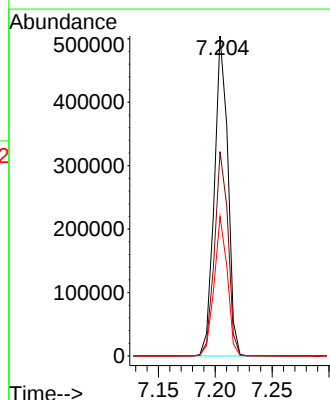
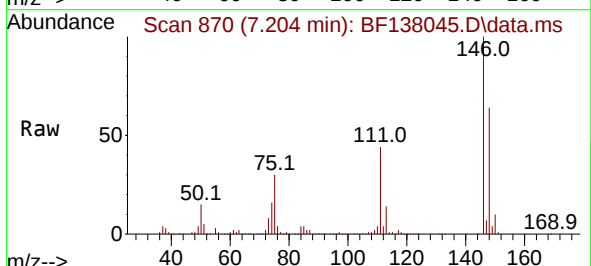
Tgt Ion:146 Resp: 417311

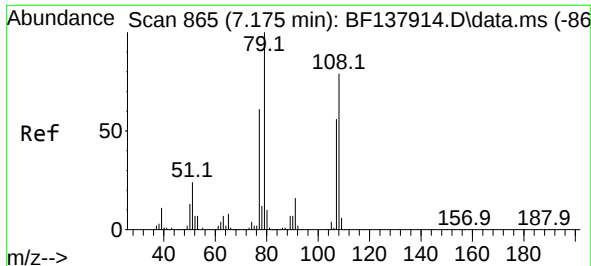
Ion Ratio Lower Upper

146 100

148 63.9 50.2 75.4

111 43.6 35.1 52.7

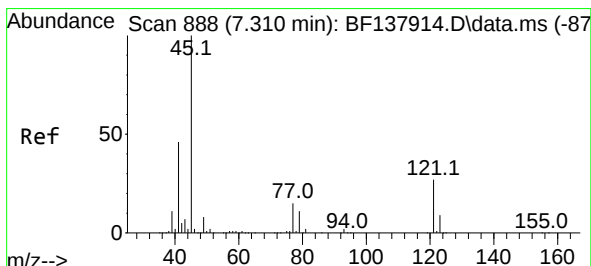
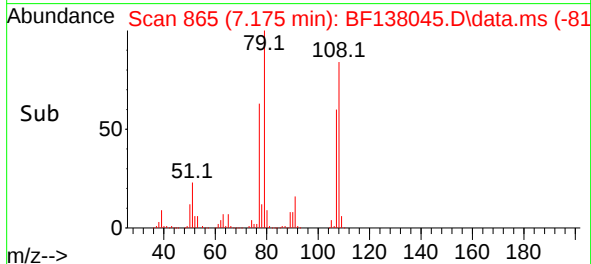
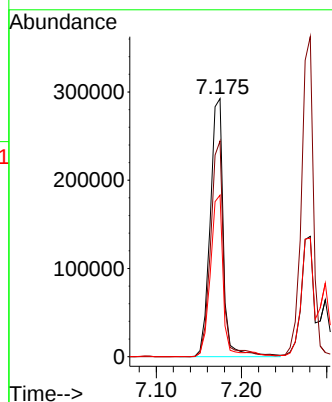
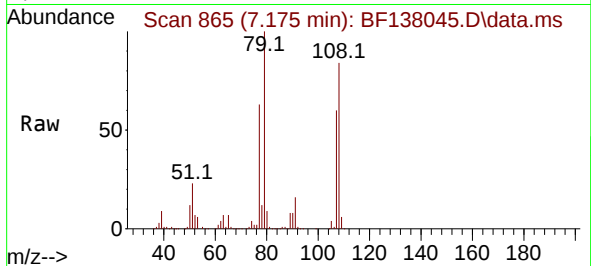




#15
Benzyl Alcohol
Concen: 46.461 ng
RT: 7.175 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

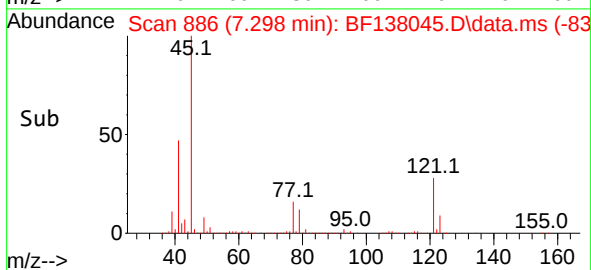
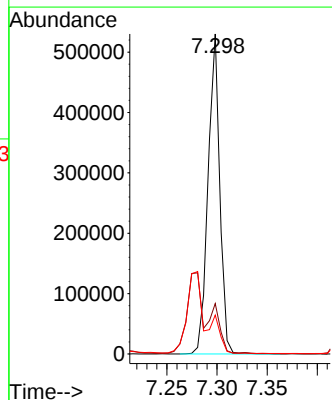
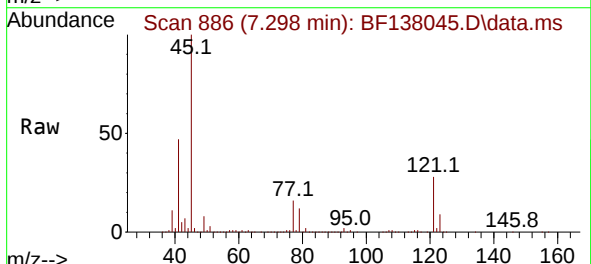
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

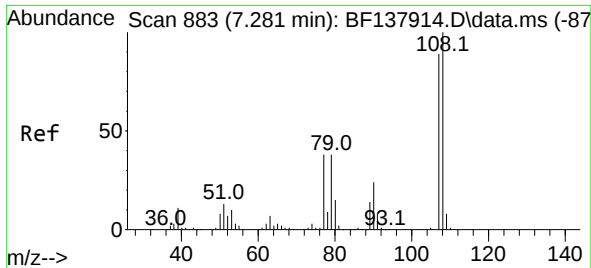
Tgt Ion: 79 Resp: 314836
Ion Ratio Lower Upper
79 100
108 83.6 62.8 94.2
77 62.6 48.7 73.1



#16
2,2'-oxybis(1-chloropropane)
Concen: 44.757 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion: 45 Resp: 432689
Ion Ratio Lower Upper
45 100
77 15.7 0.0 35.3
79 12.2 0.0 32.1



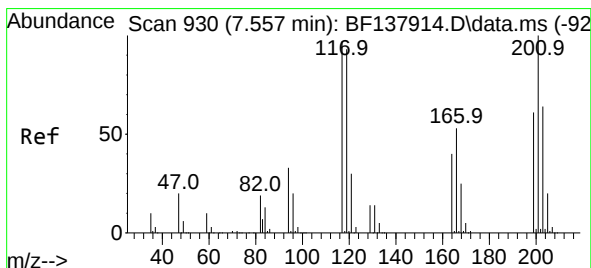
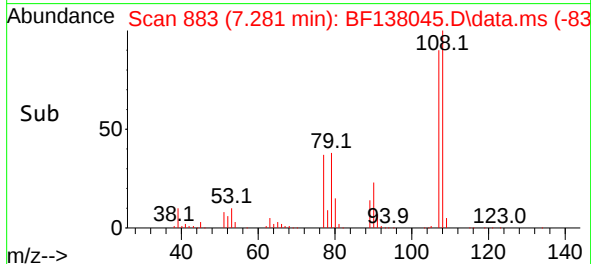
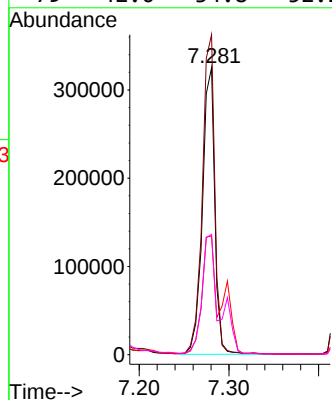
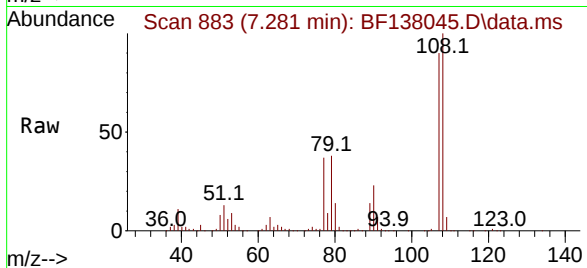


#17
2-Methylphenol
Concen: 43.768 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Instrument :
BNA_F
ClientSampleId :
72-11933MSD

Tgt Ion:107 Resp: 311184

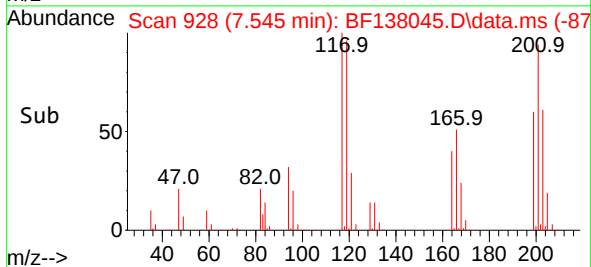
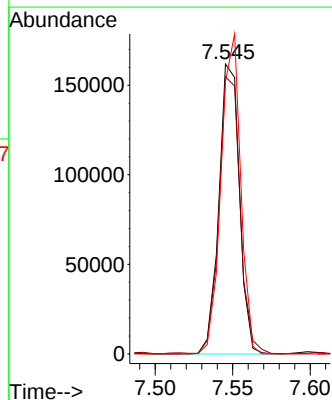
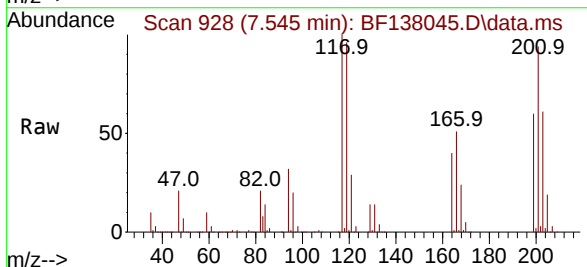
Ion	Ratio	Lower	Upper
107	100		
108	111.5	90.1	135.1
77	41.3	34.3	51.5
79	42.0	34.8	52.2

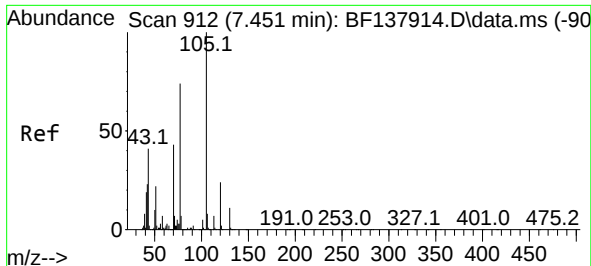


#18
Hexachloroethane
Concen: 42.638 ng
RT: 7.545 min Scan# 928
Delta R.T. -0.012 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:117 Resp: 149386

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.8	115.2
201	94.0	82.7	124.1





#19

n-Nitroso-di-n-propylamine

Concen: 44.757 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.012 min

Lab File: BF138045.D

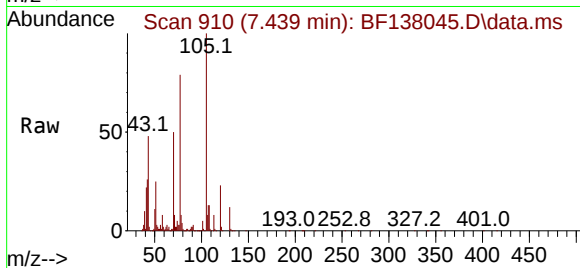
Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD



Tgt Ion: 70 Resp: 255177

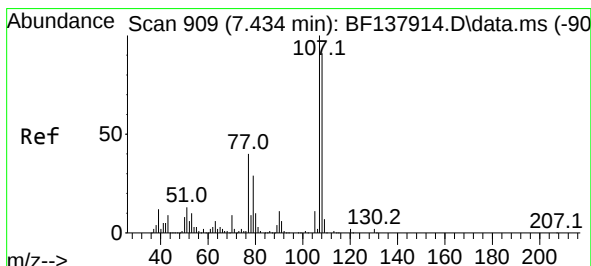
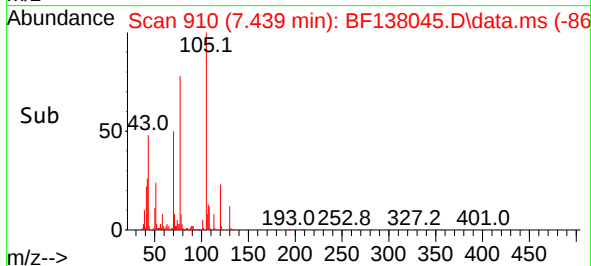
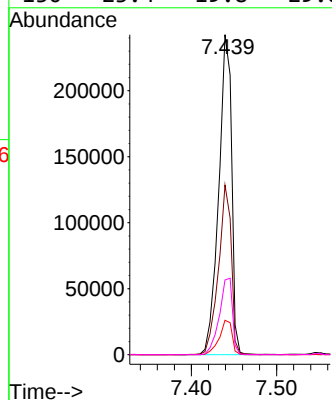
Ion Ratio Lower Upper

70 100

42 53.0 42.2 63.4

101 10.8 8.8 13.2

130 23.4 19.8 29.8



#20

3+4-Methylphenols

Concen: 42.733 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Tgt Ion: 107 Resp: 398030

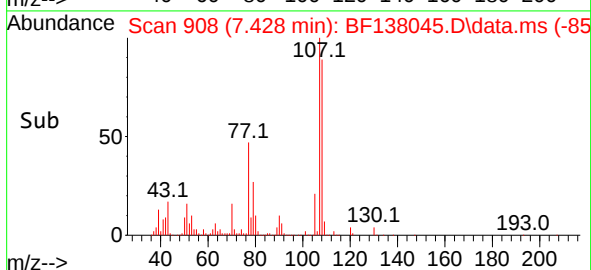
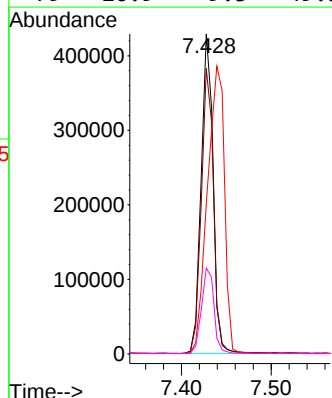
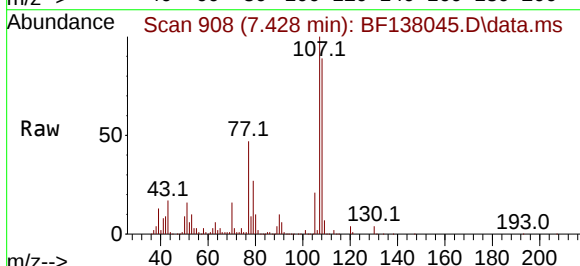
Ion Ratio Lower Upper

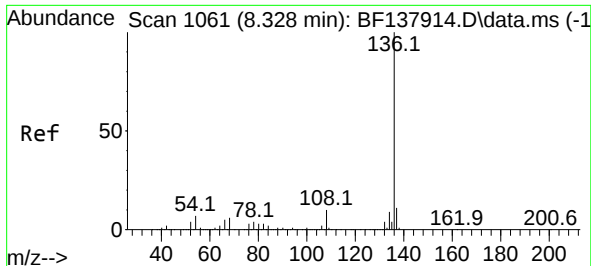
107 100

108 89.2 70.8 110.8

77 46.9 20.2 60.2

79 26.9 9.3 49.3



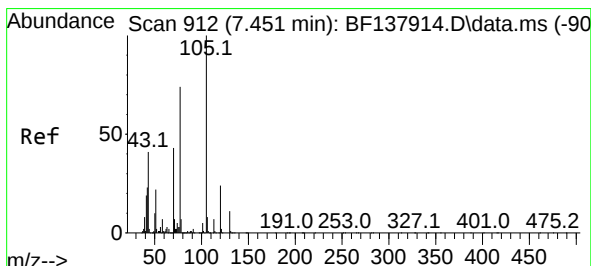
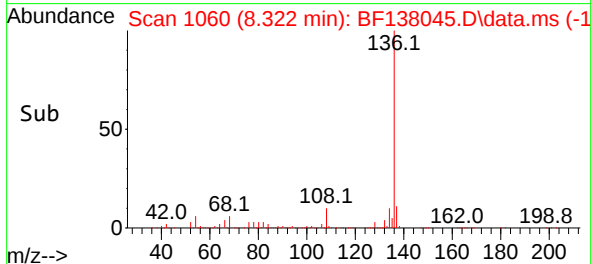
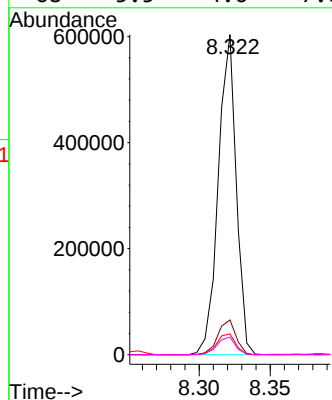
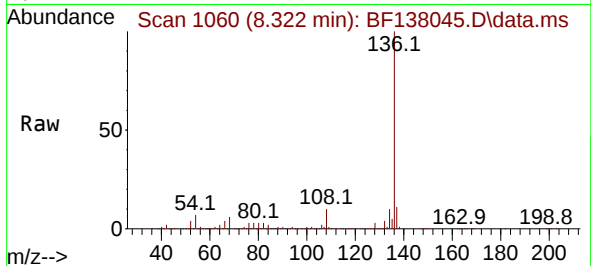


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Instrument :
BNA_F
ClientSampleId :
72-11933MSD

Tgt Ion:136 Resp: 530750

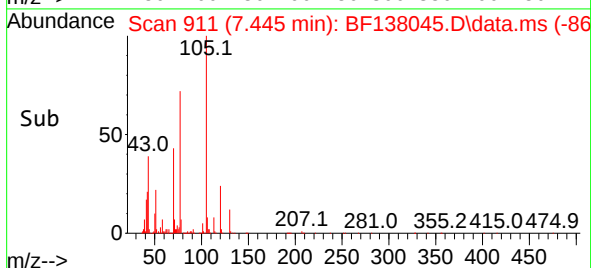
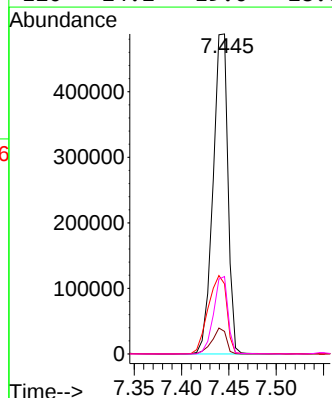
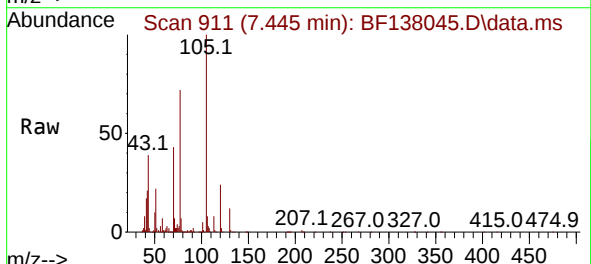
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.5	5.4	8.2
68	5.5	4.6	7.0

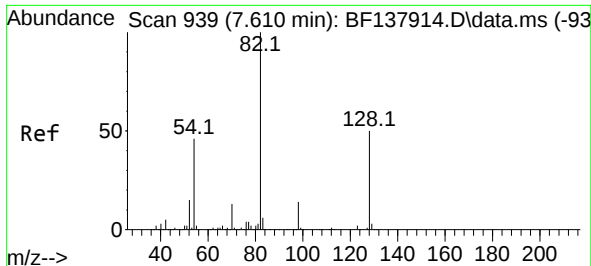


#22
Acetophenone
Concen: 44.847 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:105 Resp: 533216

Ion	Ratio	Lower	Upper
105	100		
71	7.0	5.7	8.5
51	21.9	17.8	26.8
120	24.2	19.0	28.6





#23

Nitrobenzene-d5

Concen: 64.167 ng

RT: 7.598 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

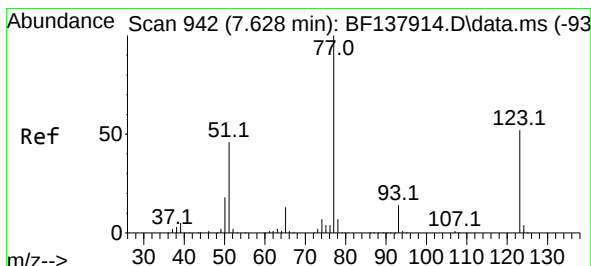
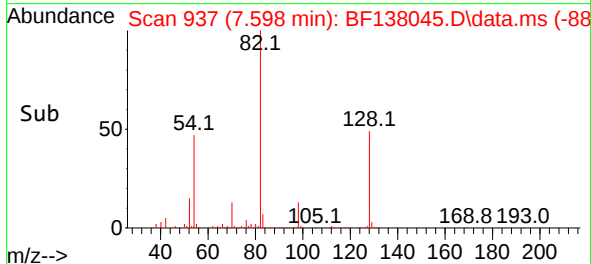
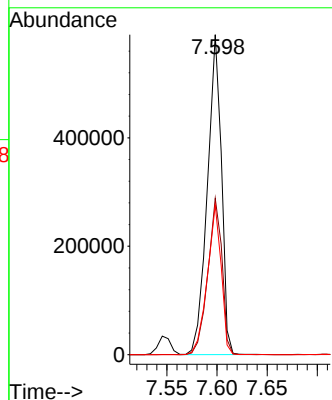
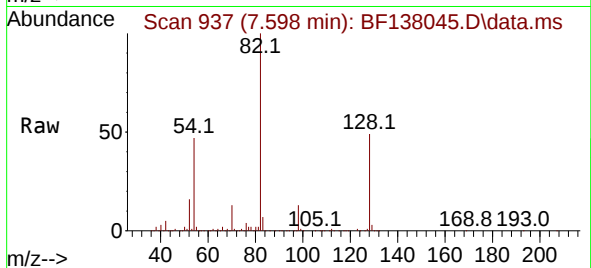
Tgt Ion: 82 Resp: 578694

Ion Ratio Lower Upper

82 100

128 48.9 40.3 60.5

54 46.8 36.8 55.2



#24

Nitrobenzene

Concen: 41.951 ng

RT: 7.616 min Scan# 940

Delta R.T. -0.012 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

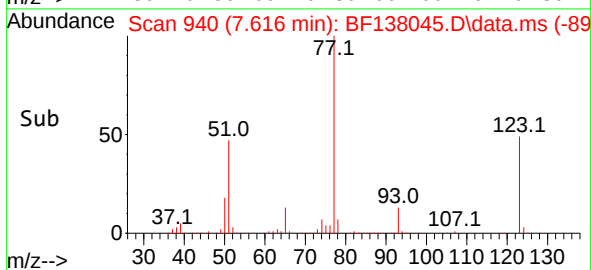
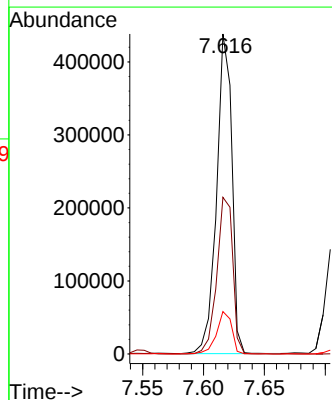
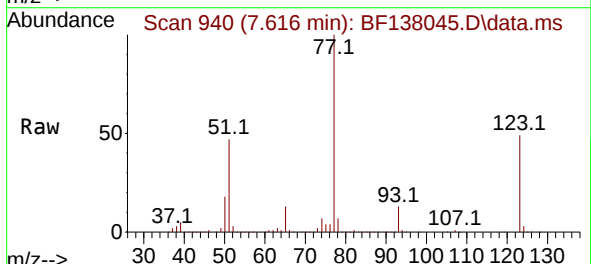
Tgt Ion: 77 Resp: 383815

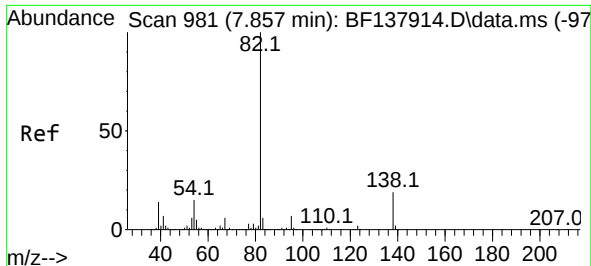
Ion Ratio Lower Upper

77 100

123 48.9 41.4 62.2

65 13.3 10.5 15.7

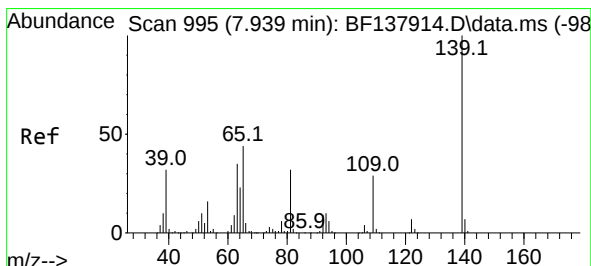
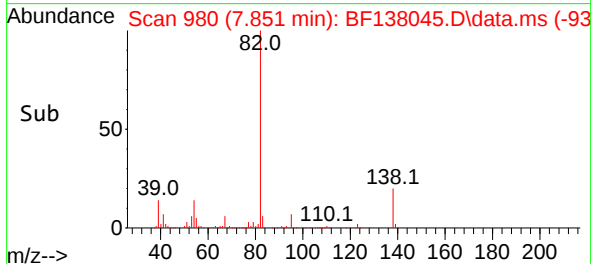
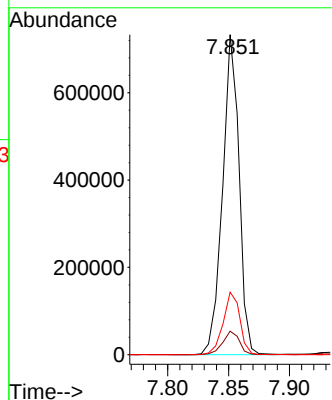
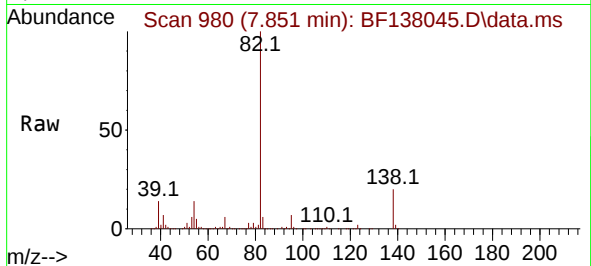




#25
Isophorone
Concen: 44.284 ng
RT: 7.851 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

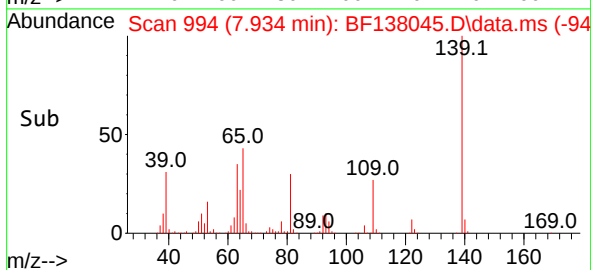
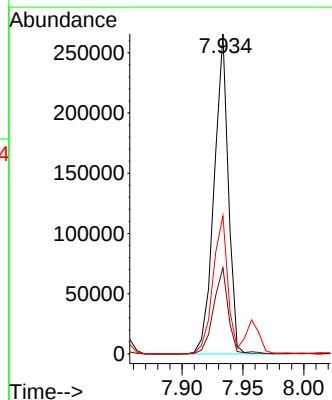
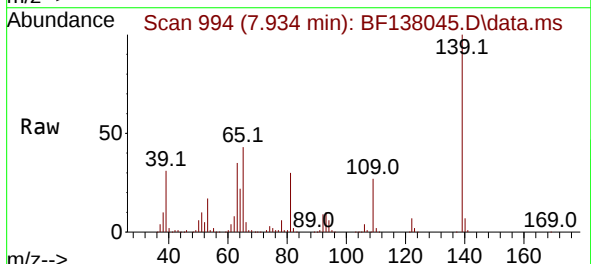
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

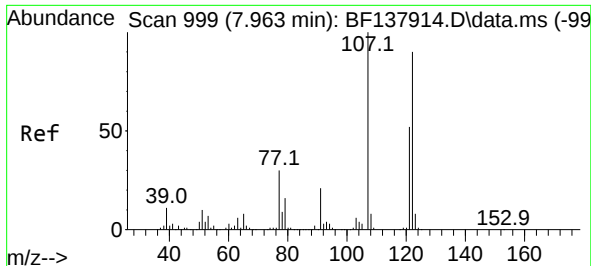
Tgt Ion: 82 Resp: 693144
Ion Ratio Lower Upper
82 100
95 7.3 6.0 9.0
138 19.6 15.0 22.4



#26
2-Nitrophenol
Concen: 46.931 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion: 139 Resp: 215748
Ion Ratio Lower Upper
139 100
109 27.0 22.8 34.2
65 43.1 35.2 52.8

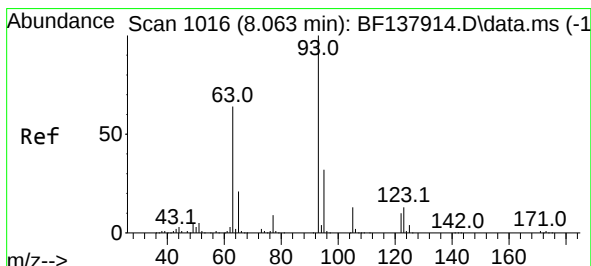
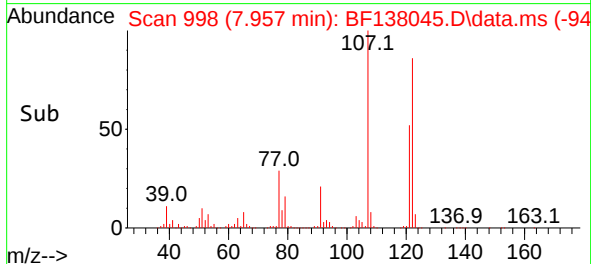
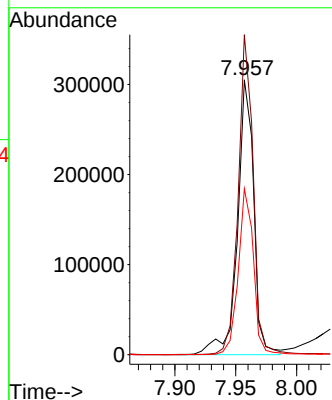
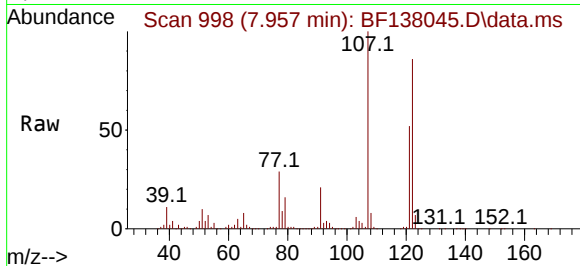




#27
2,4-Dimethylphenol
Concen: 47.839 ng
RT: 7.957 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

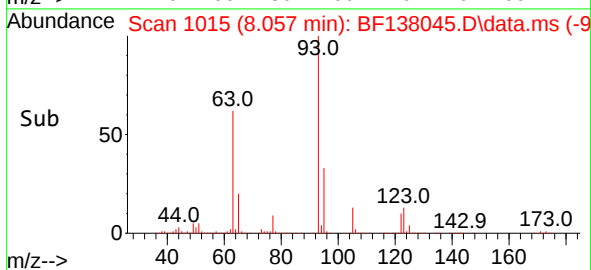
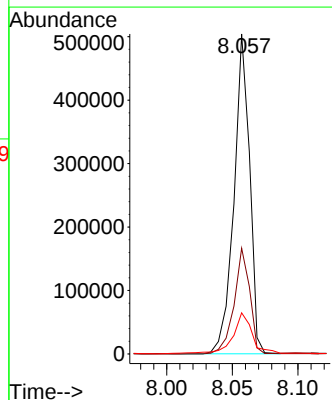
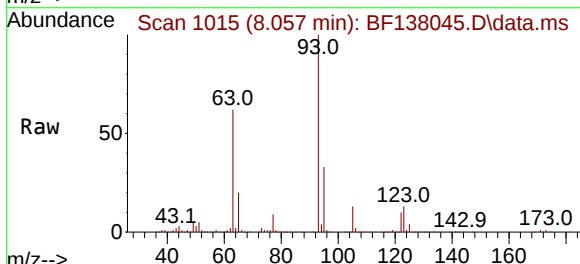
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

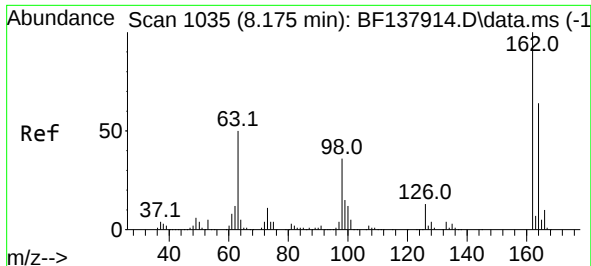
Tgt Ion:122 Resp: 283144
Ion Ratio Lower Upper
122 100
107 116.4 89.0 133.4
121 60.4 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 44.139 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion: 93 Resp: 418725
Ion Ratio Lower Upper
93 100
95 33.0 25.9 38.9
123 12.8 10.4 15.6





#29

2,4-Dichlorophenol

Concen: 44.251 ng

RT: 8.175 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

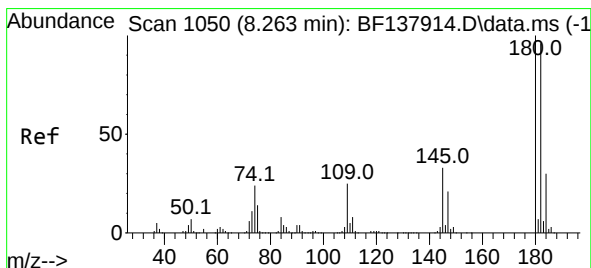
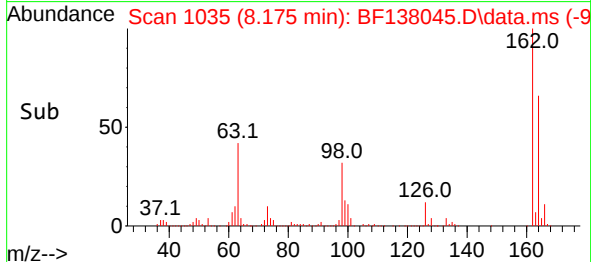
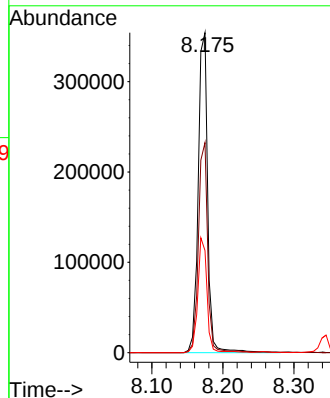
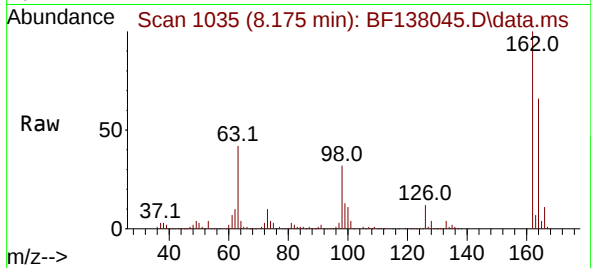
Tgt Ion:162 Resp: 329349

Ion Ratio Lower Upper

162 100

164 65.7 44.3 84.3

98 31.9 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 42.906 ng

RT: 8.257 min Scan# 1049

Delta R.T. -0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

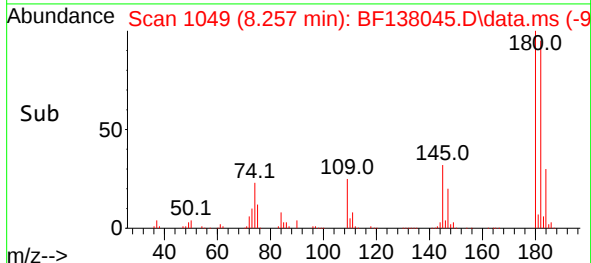
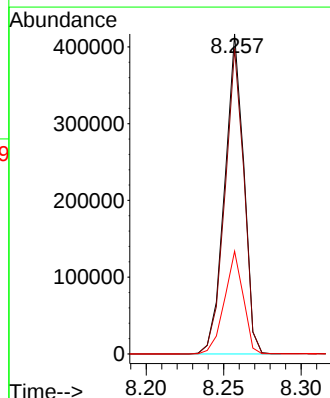
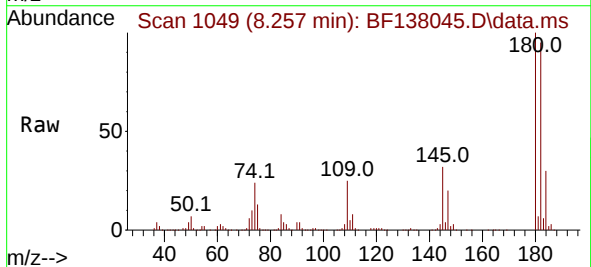
Tgt Ion:180 Resp: 356548

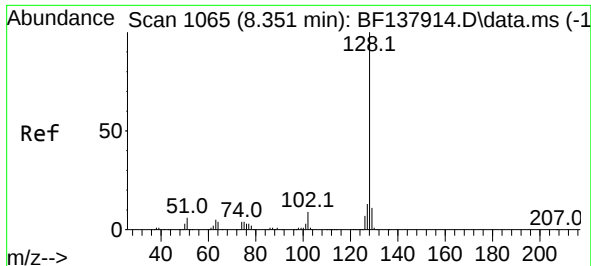
Ion Ratio Lower Upper

180 100

182 95.4 76.5 114.7

145 32.1 26.2 39.2

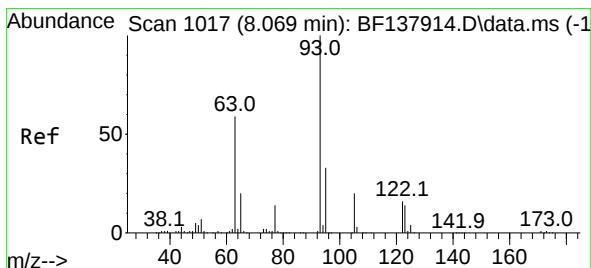
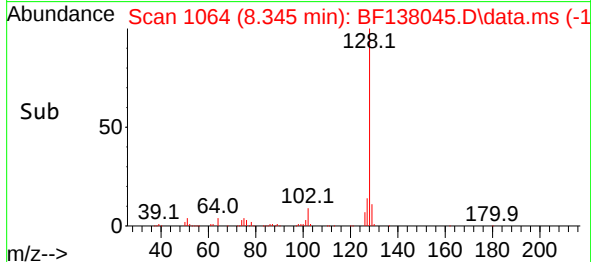
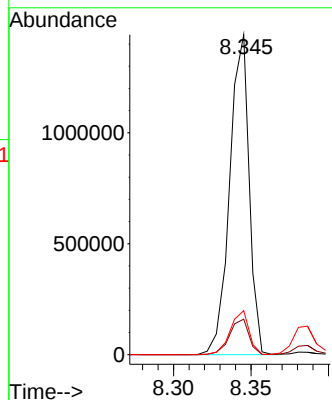
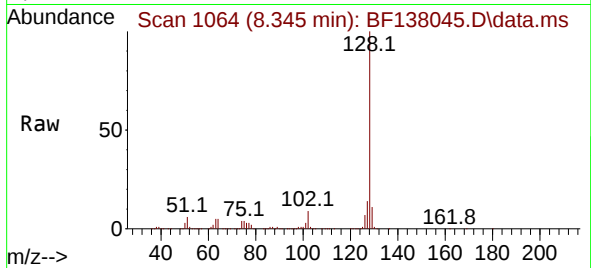




#31
Naphthalene
Concen: 47.204 ng
RT: 8.345 min Scan# 1065
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

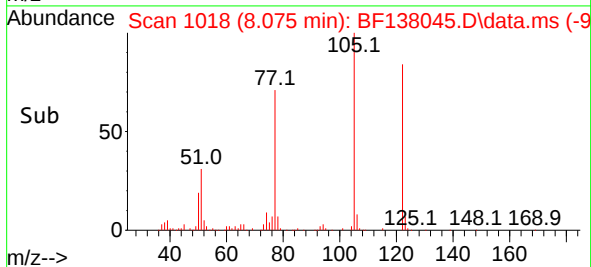
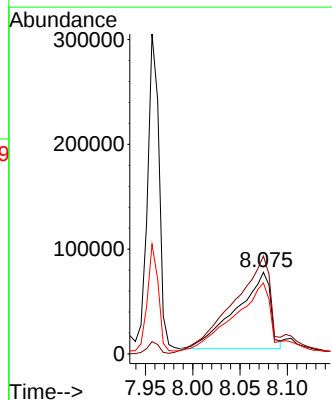
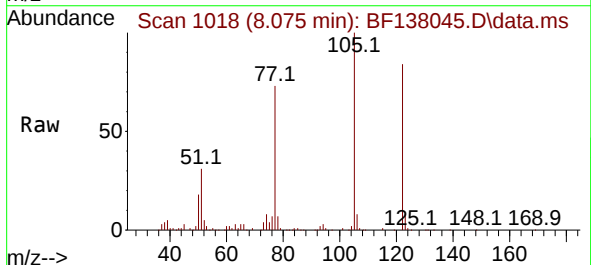
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

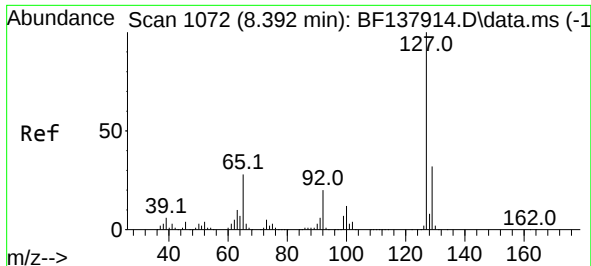
Tgt Ion:128 Resp: 1259710
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.8 10.6 16.0



#32
Benzoic acid
Concen: 37.031 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:122 Resp: 185277
Ion Ratio Lower Upper
122 100
105 119.7 103.8 143.8
77 86.9 68.4 108.4

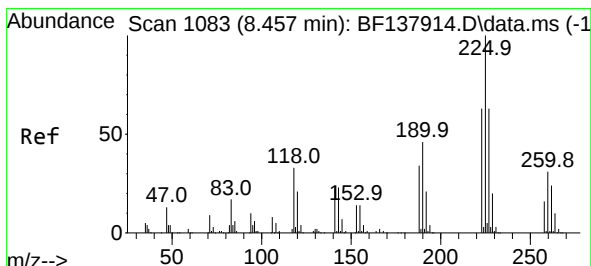
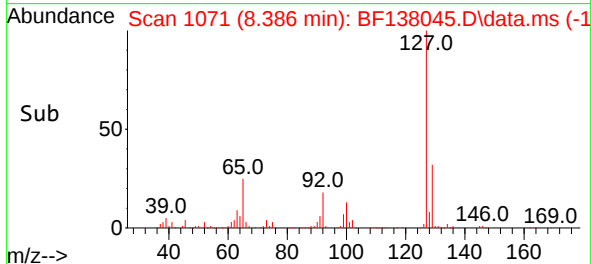
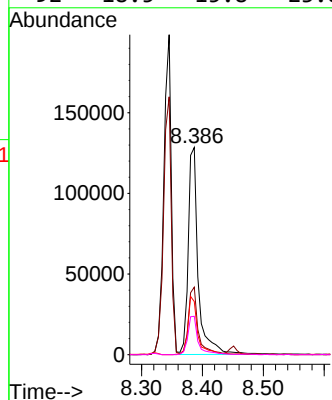
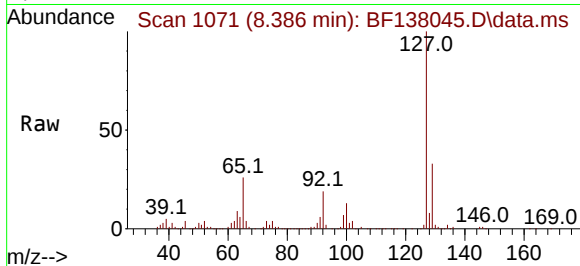




#33
4-Chloroaniline
Concen: 16.771 ng
RT: 8.386 min Scan# 1071
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

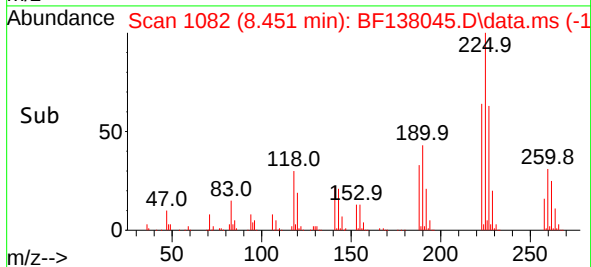
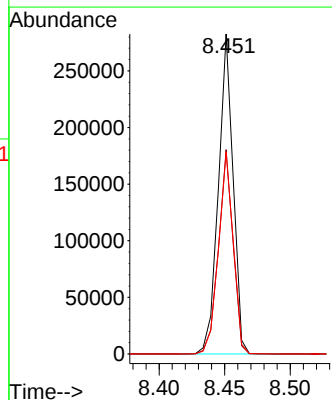
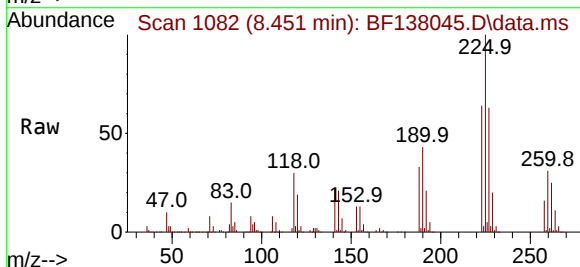
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

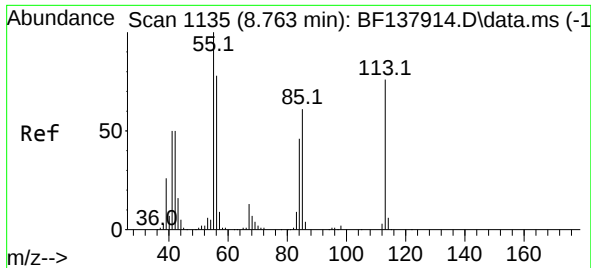
Tgt Ion:	127	Resp:	146719
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.4	38.2
65	25.6	22.0	33.0
92	18.5	15.8	23.8



#34
Hexachlorobutadiene
Concen: 41.835 ng
RT: 8.451 min Scan# 1082
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:	225	Resp:	220049
Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.0	75.0
227	63.0	50.2	75.4

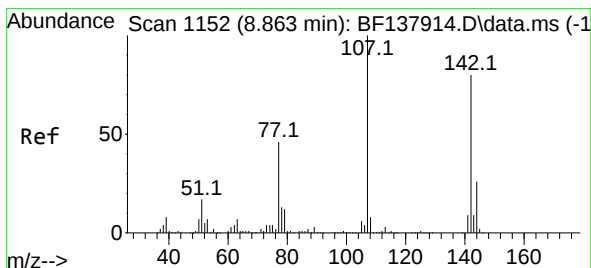
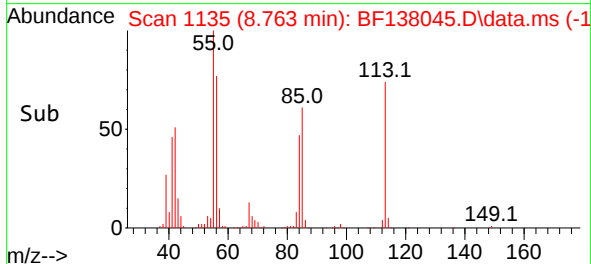
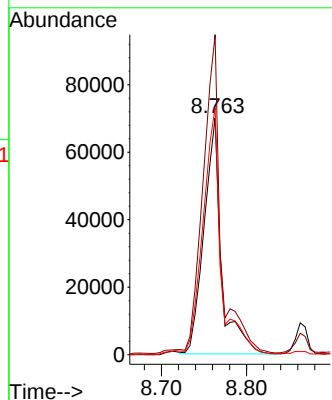
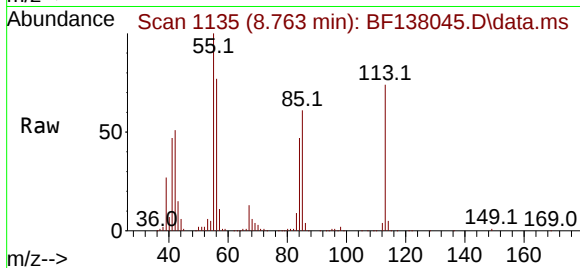




#35
 Caprolactam
 Concen: 45.981 ng
 RT: 8.763 min Scan# 1135
 Delta R.T. 0.000 min
 Lab File: BF138045.D
 Acq: 28 May 2024 14:10

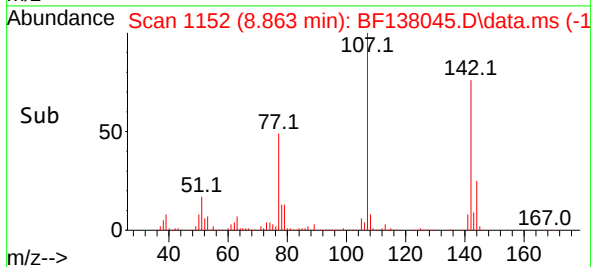
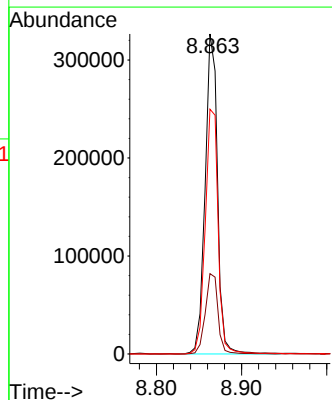
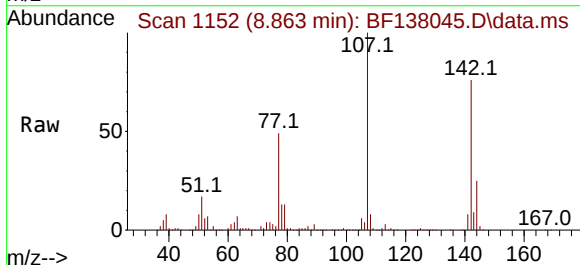
Instrument :
 BNA_F
 ClientSampleId :
 72-11933MSD

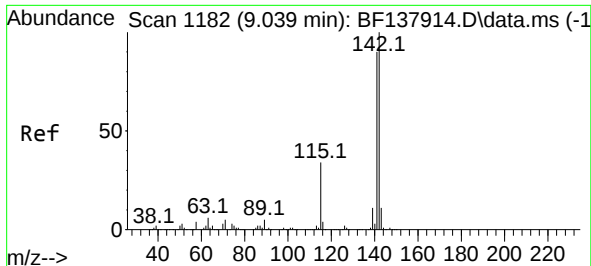
Tgt Ion:113 Resp: 99149
 Ion Ratio Lower Upper
 113 100
 55 135.1 112.3 152.3
 56 104.2 82.7 122.7



#36
 4-Chloro-3-methylphenol
 Concen: 43.435 ng
 RT: 8.863 min Scan# 1152
 Delta R.T. 0.000 min
 Lab File: BF138045.D
 Acq: 28 May 2024 14:10

Tgt Ion:107 Resp: 328855
 Ion Ratio Lower Upper
 107 100
 144 25.1 20.7 31.1
 142 76.5 64.0 96.0





#37

2-Methylnaphthalene

Concen: 44.400 ng

RT: 9.033 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

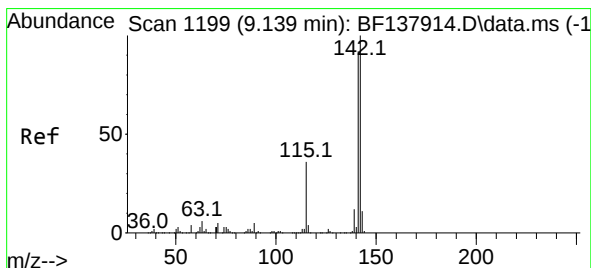
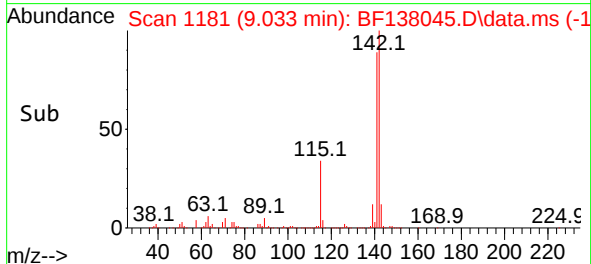
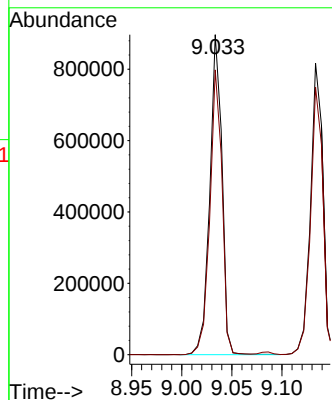
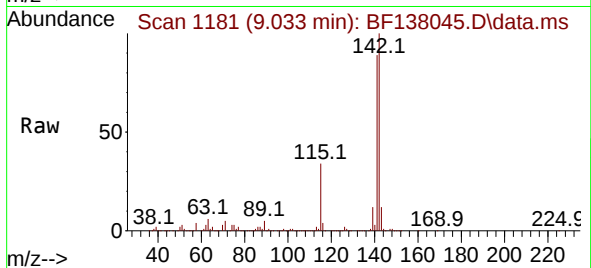
72-11933MSD

Tgt Ion:142 Resp: 761627

Ion Ratio Lower Upper

142 100

141 89.0 72.0 108.0



#38

1-Methylnaphthalene

Concen: 41.330 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF138045.D

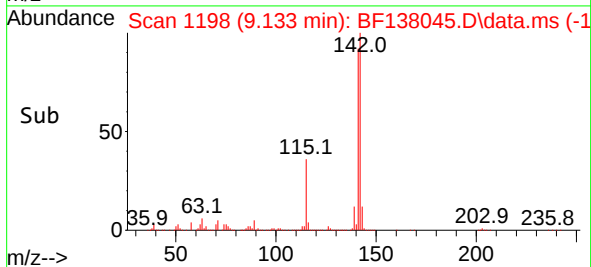
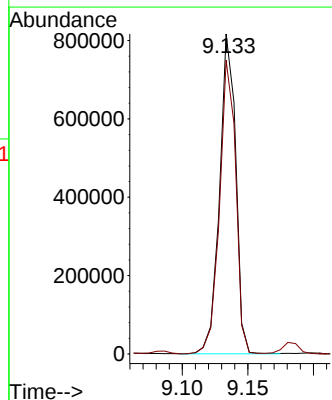
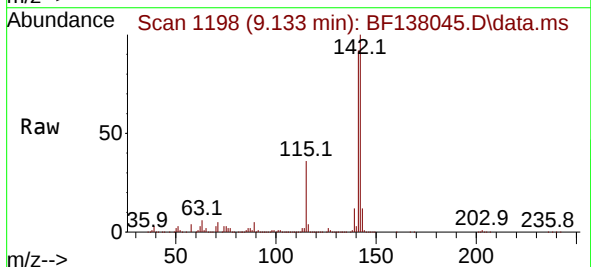
Acq: 28 May 2024 14:10

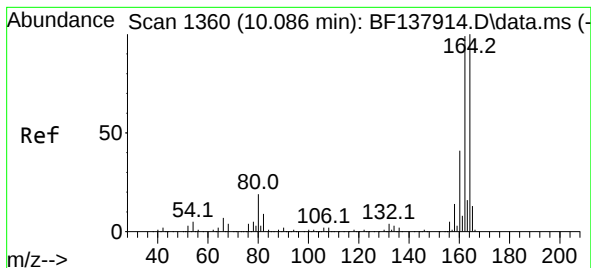
Tgt Ion:142 Resp: 696992

Ion Ratio Lower Upper

142 100

141 91.8 73.7 110.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.086 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

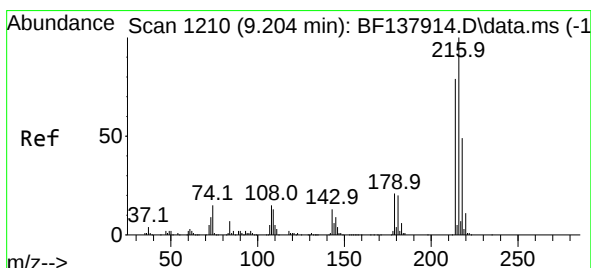
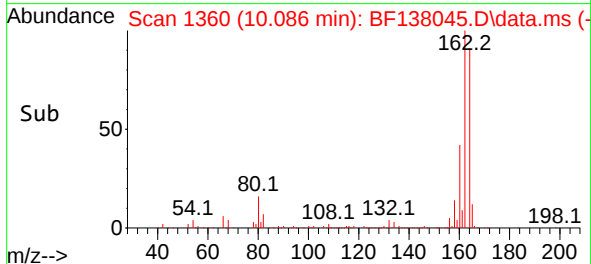
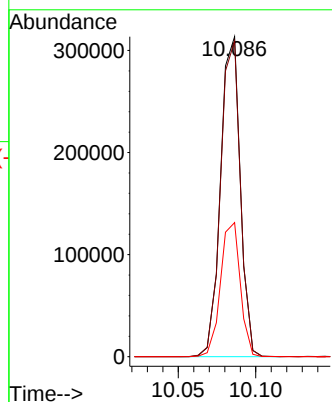
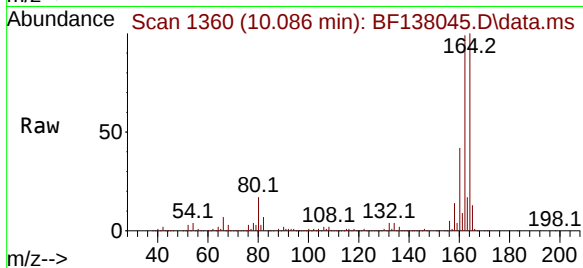
Tgt Ion:164 Resp: 277227

Ion Ratio Lower Upper

164 100

162 98.7 79.4 119.2

160 41.9 33.1 49.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.137 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Tgt Ion:216 Resp: 355260

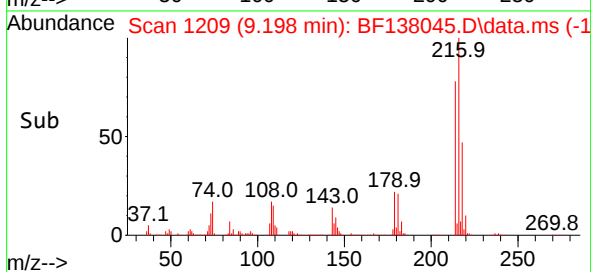
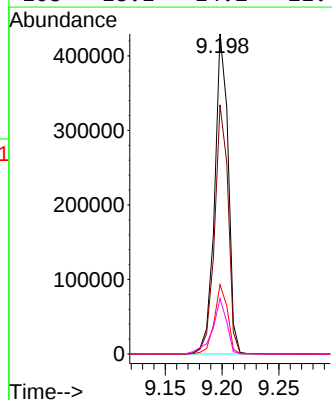
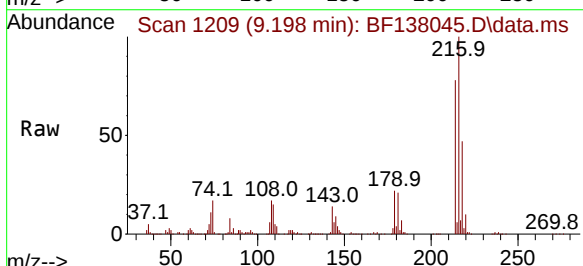
Ion Ratio Lower Upper

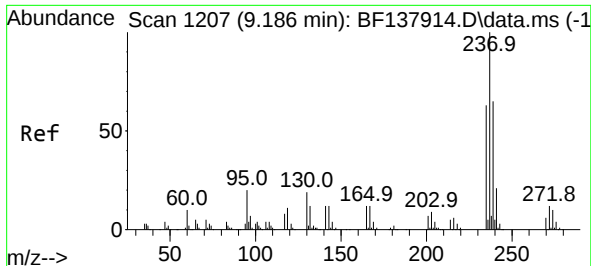
216 100

214 78.1 63.4 95.2

179 21.1 17.0 25.4

108 18.1 14.2 21.4

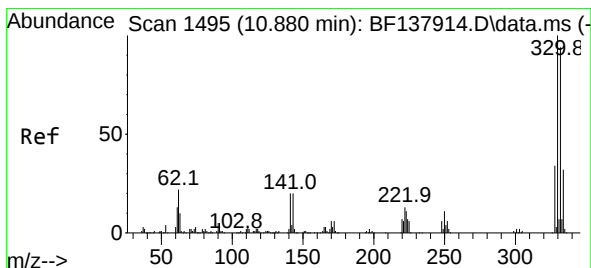
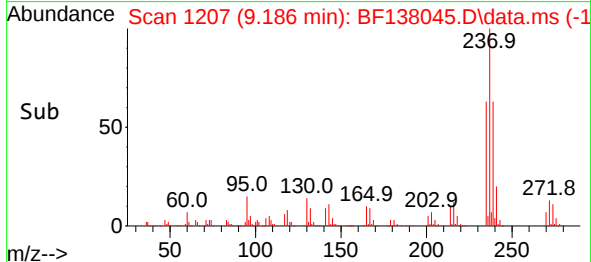
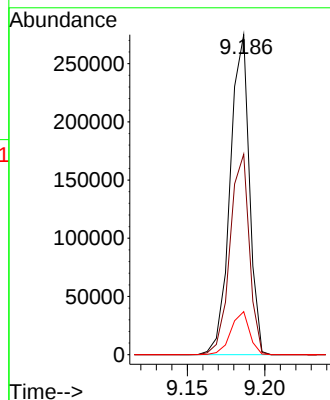
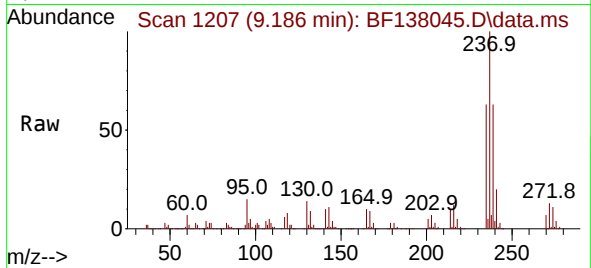




#41
Hexachlorocyclopentadiene
Concen: 82.710 ng
RT: 9.186 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

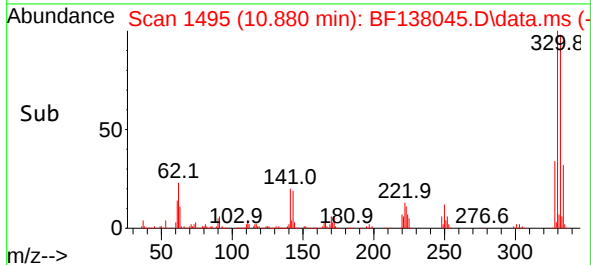
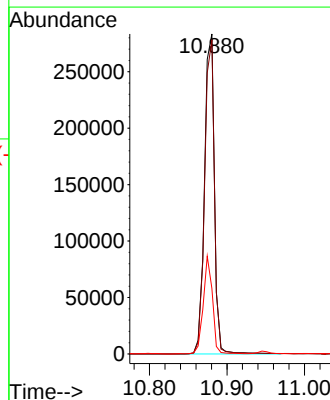
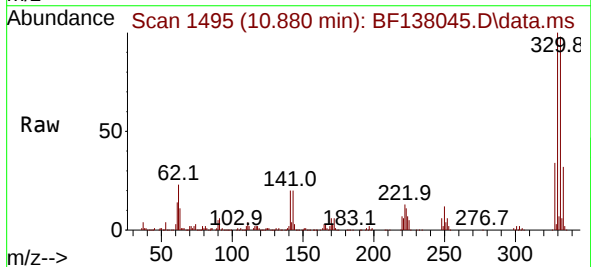
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

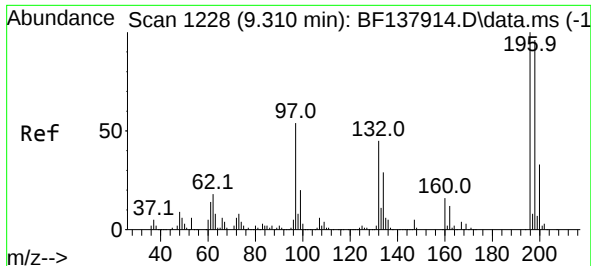
Tgt Ion:237 Resp: 236863
Ion Ratio Lower Upper
237 100
235 62.7 42.8 82.8
272 13.5 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 89.987 ng
RT: 10.880 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:330 Resp: 251538
Ion Ratio Lower Upper
330 100
332 97.1 75.8 113.8
141 28.6 23.8 35.6





#43

2,4,6-Trichlorophenol

Concen: 46.724 ng

RT: 9.310 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

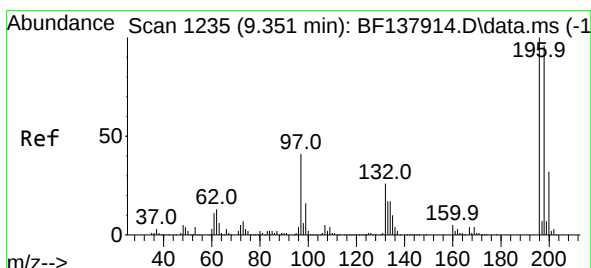
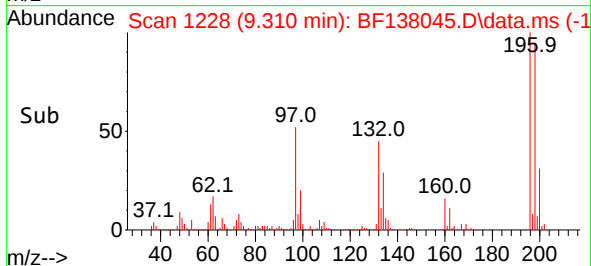
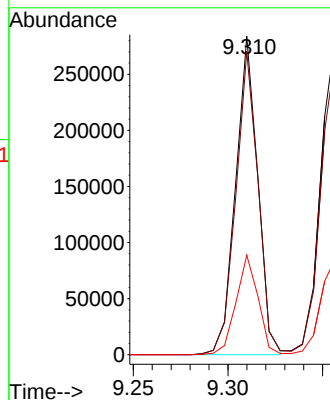
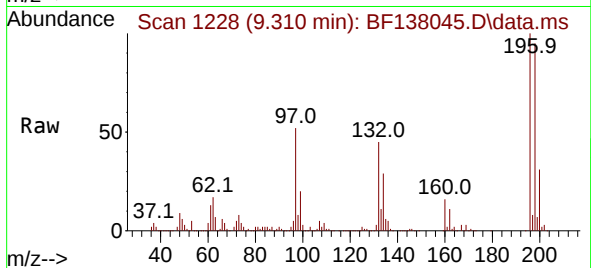
Tgt Ion:196 Resp: 230890

Ion Ratio Lower Upper

196 100

198 95.2 77.0 115.4

200 31.3 26.2 39.2



#44

2,4,5-Trichlorophenol

Concen: 44.781 ng

RT: 9.357 min Scan# 1236

Delta R.T. 0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Tgt Ion:196 Resp: 242134

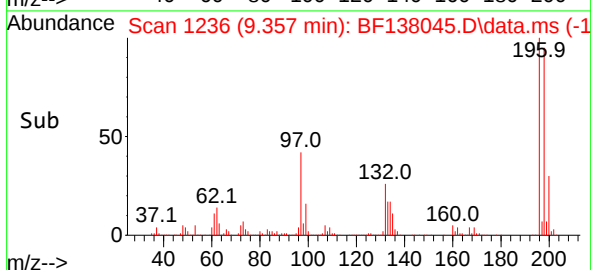
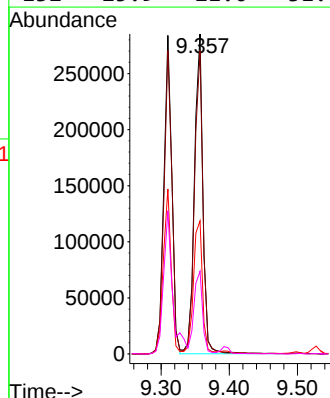
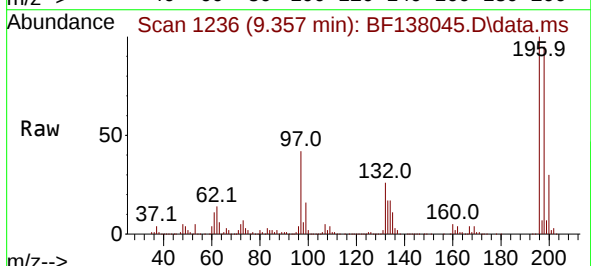
Ion Ratio Lower Upper

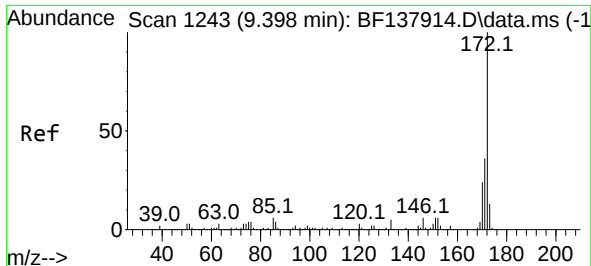
196 100

198 94.8 77.4 116.0

97 41.6 32.9 49.3

132 25.9 21.0 31.6





#45

2-Fluorobiphenyl

Concen: 60.721 ng

RT: 9.392 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

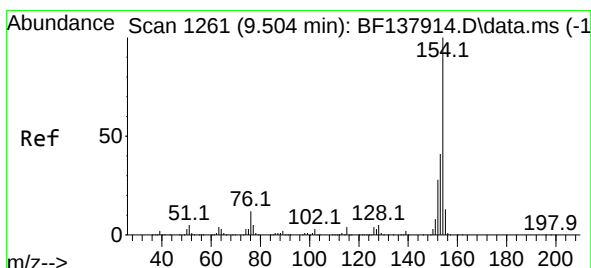
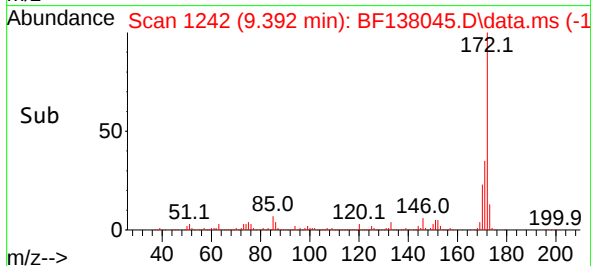
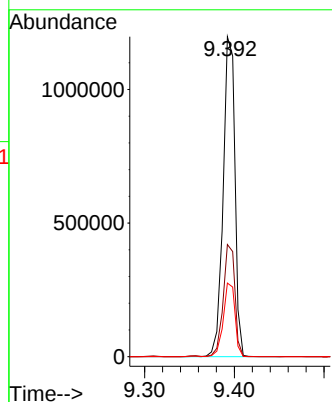
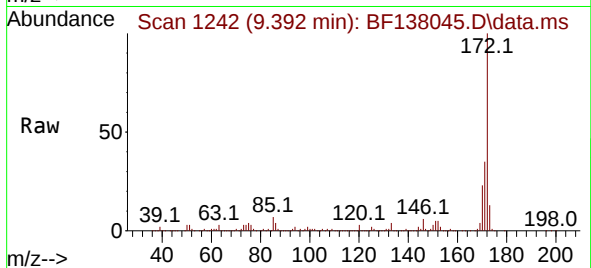
Tgt Ion:172 Resp: 1092808

Ion Ratio Lower Upper

172 100

171 35.1 28.9 43.3

170 23.0 18.9 28.3



#46

1,1'-Biphenyl

Concen: 46.149 ng

RT: 9.498 min Scan# 1260

Delta R.T. -0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

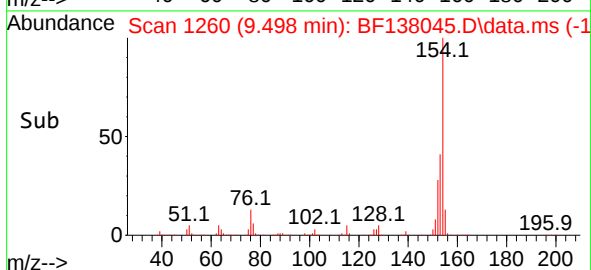
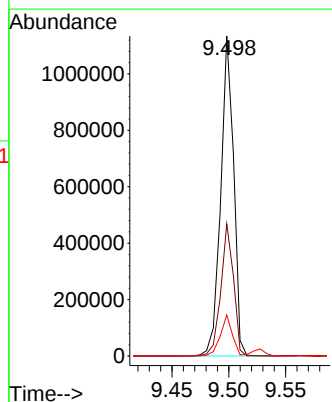
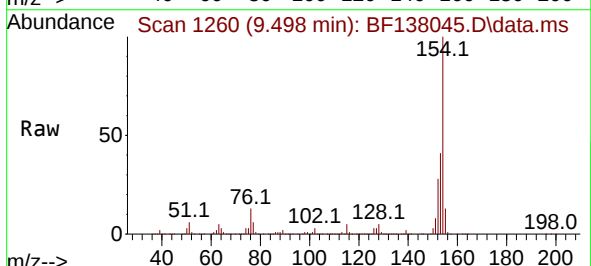
Tgt Ion:154 Resp: 897340

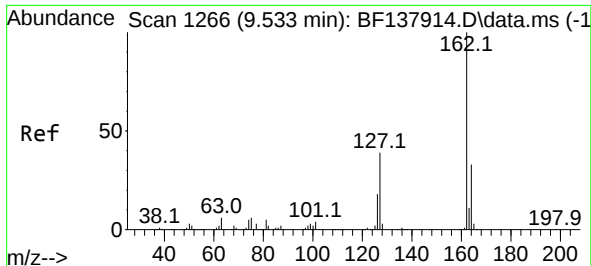
Ion Ratio Lower Upper

154 100

153 41.3 21.3 61.3

76 12.8 0.0 31.9





#47

2-Chloronaphthalene

Concen: 44.069 ng

RT: 9.528 min Scan# 1265

Delta R.T. -0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

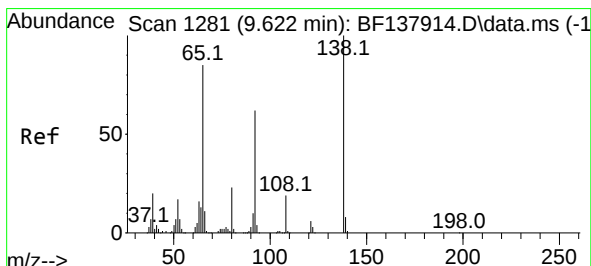
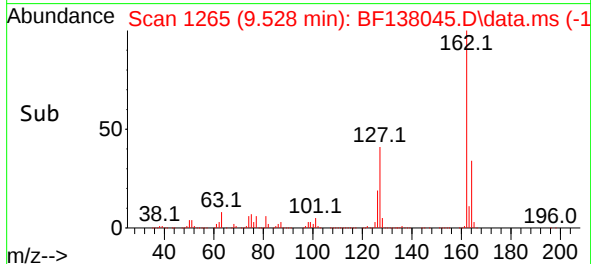
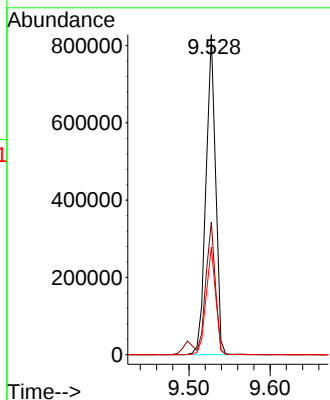
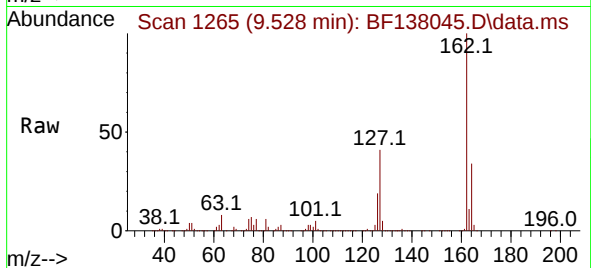
Tgt Ion:162 Resp: 684029

Ion Ratio Lower Upper

162 100

127 41.4 32.0 48.0

164 33.6 26.2 39.4



#48

2-Nitroaniline

Concen: 45.060 ng

RT: 9.622 min Scan# 1281

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

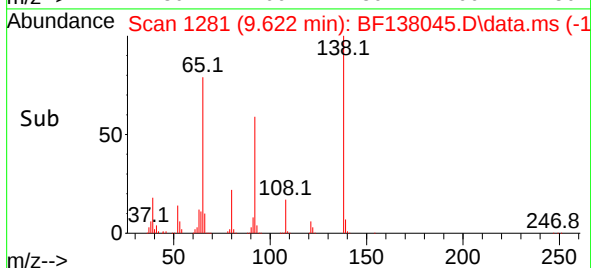
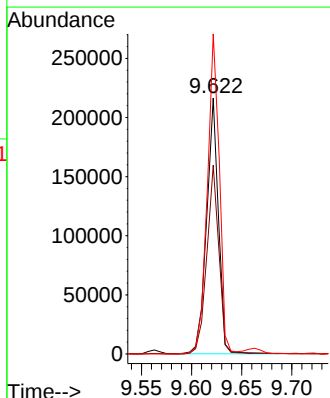
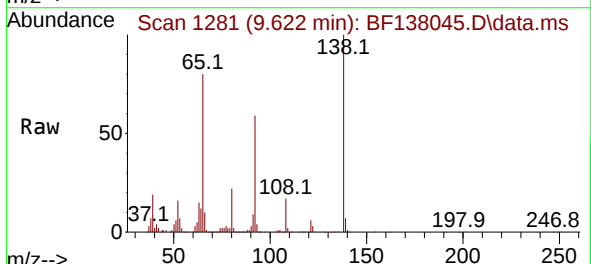
Tgt Ion: 65 Resp: 179101

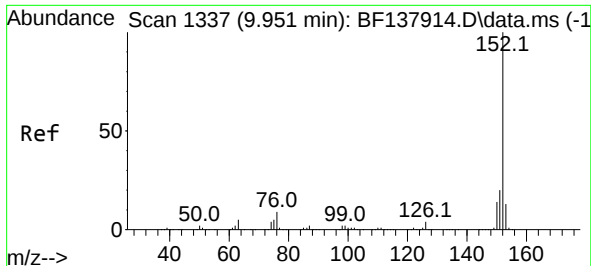
Ion Ratio Lower Upper

65 100

92 73.8 58.6 88.0

138 125.1 94.1 141.1





#49

Acenaphthylene

Concen: 46.860 ng

RT: 9.945 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

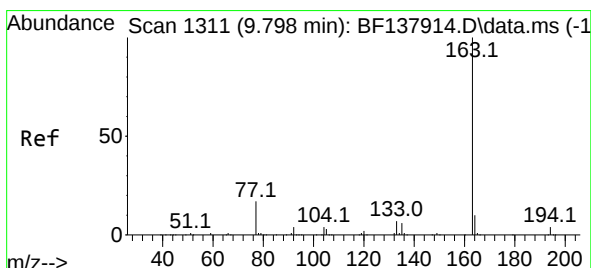
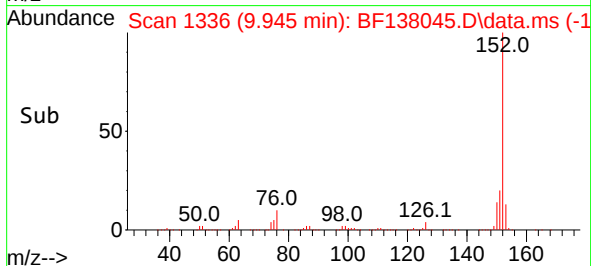
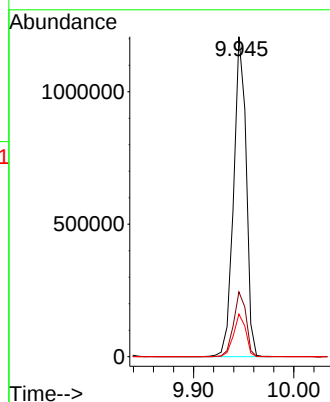
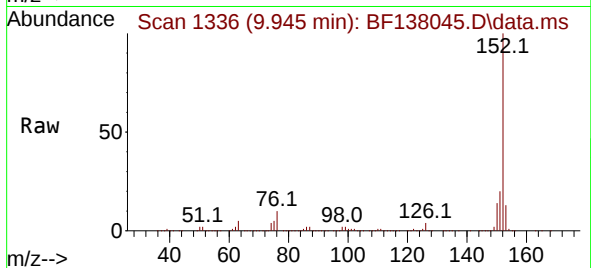
Tgt Ion:152 Resp: 1045830

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.8

153 13.3 10.2 15.4



#50

Dimethylphthalate

Concen: 46.888 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

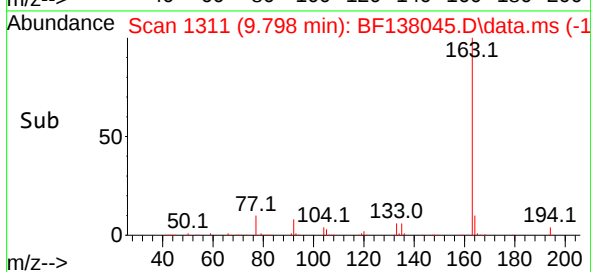
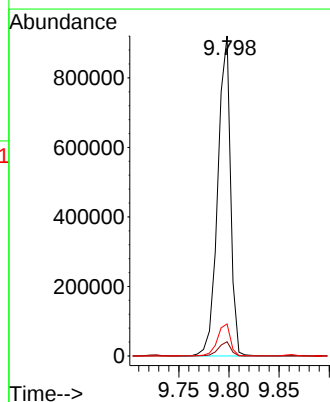
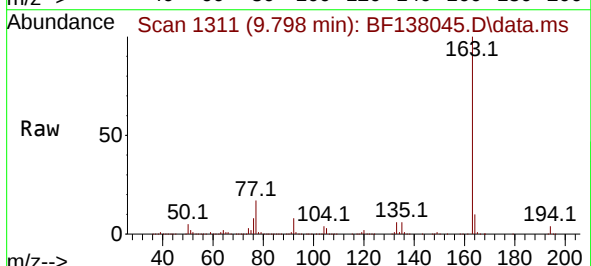
Tgt Ion:163 Resp: 815124

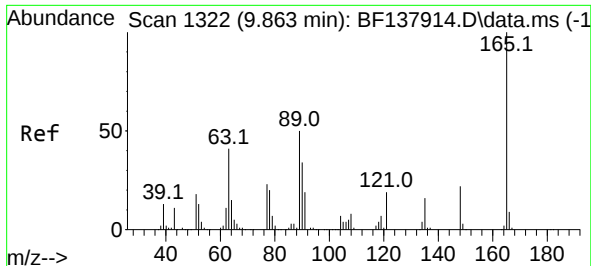
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

164 10.0 8.0 12.0

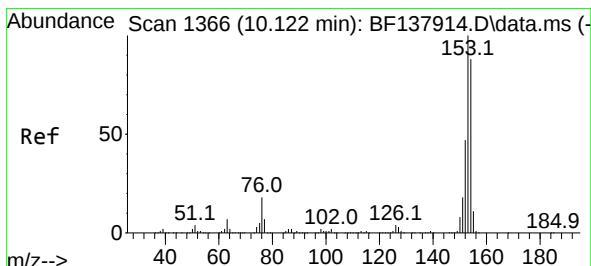
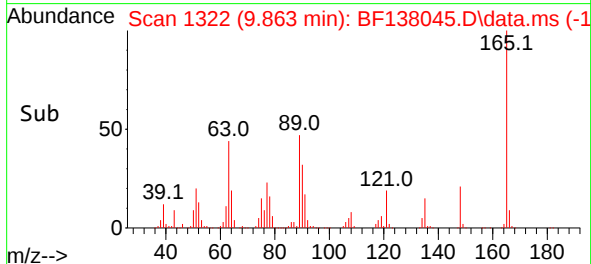
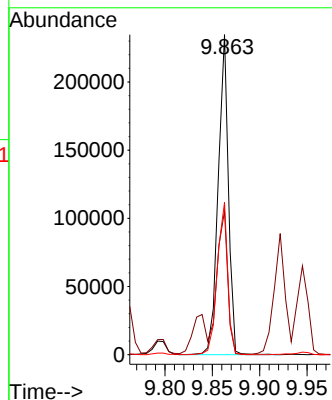
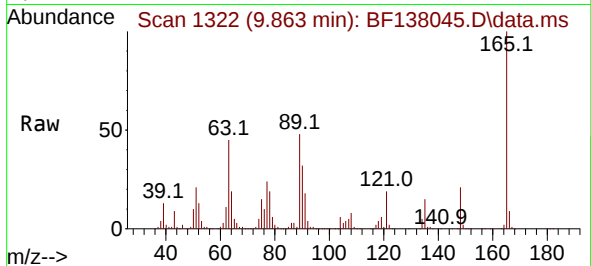




#51
2,6-Dinitrotoluene
Concen: 44.053 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

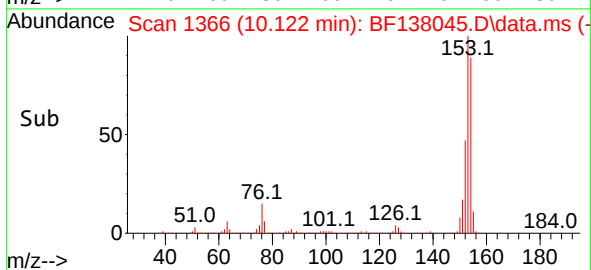
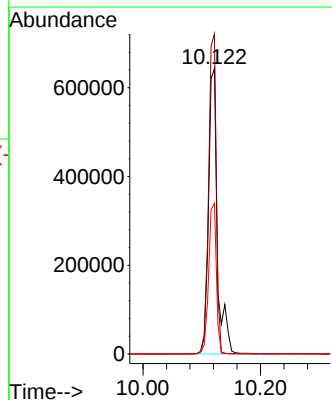
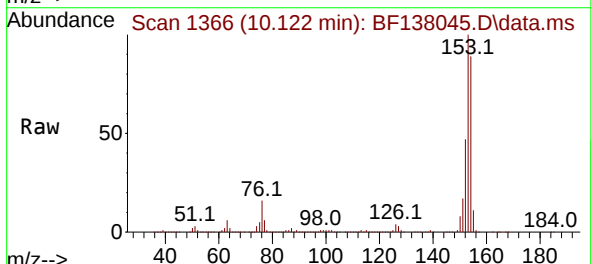
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

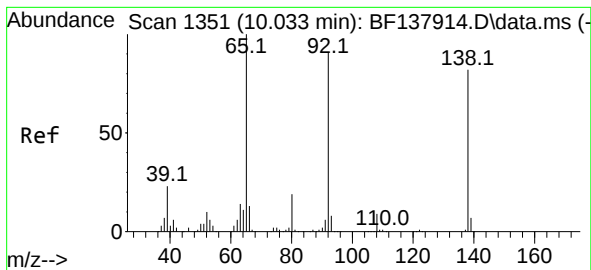
Tgt Ion:165 Resp: 175769
Ion Ratio Lower Upper
165 100
63 44.9 38.9 58.3
89 47.6 40.4 60.6



#52
Acenaphthene
Concen: 45.958 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:154 Resp: 677931
Ion Ratio Lower Upper
154 100
153 112.1 90.4 135.6
152 52.7 42.3 63.5

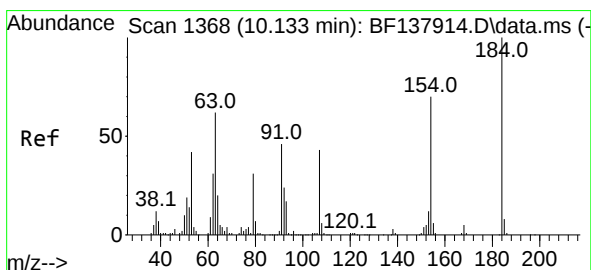
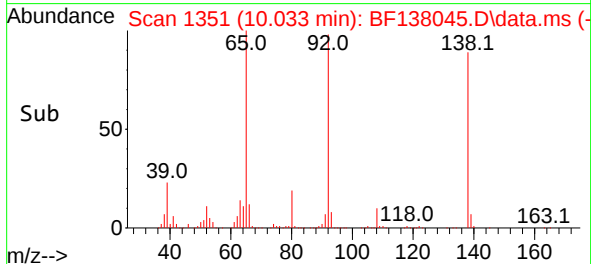
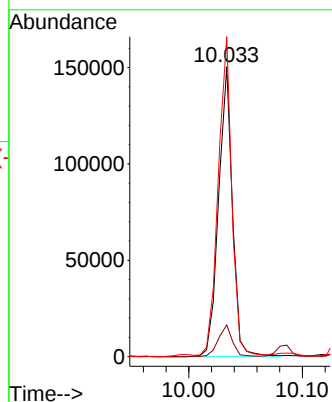
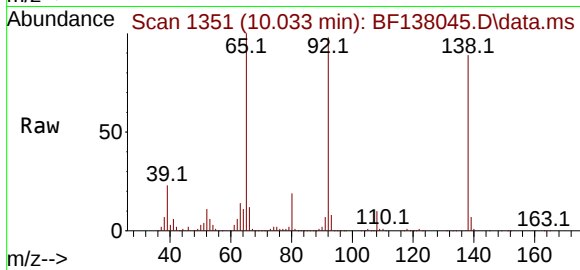




#53
3-Nitroaniline
Concen: 32.810 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

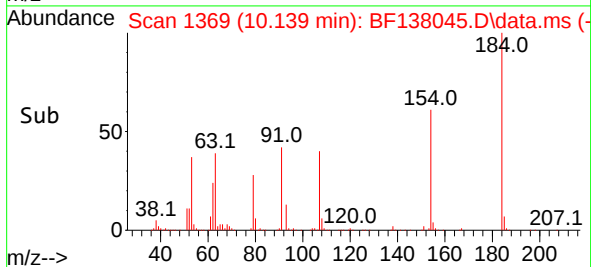
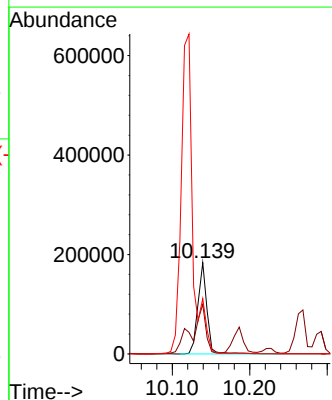
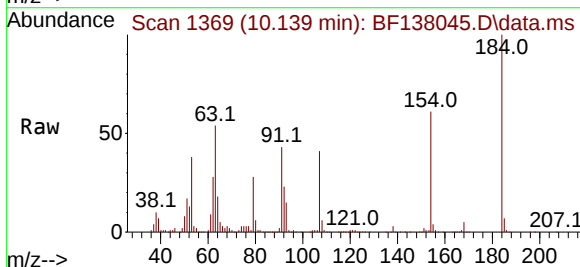
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

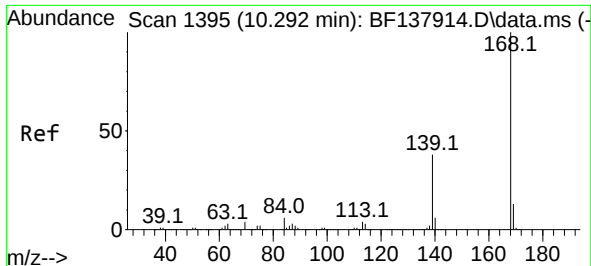
Tgt Ion:138 Resp: 127979
Ion Ratio Lower Upper
138 100
108 10.9 8.8 13.2
92 110.4 88.6 133.0



#54
2,4-Dinitrophenol
Concen: 70.781 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:184 Resp: 150675
Ion Ratio Lower Upper
184 100
63 54.4 50.4 75.6
154 60.7 63.7 95.5#

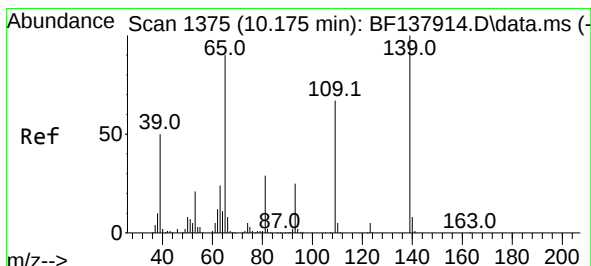
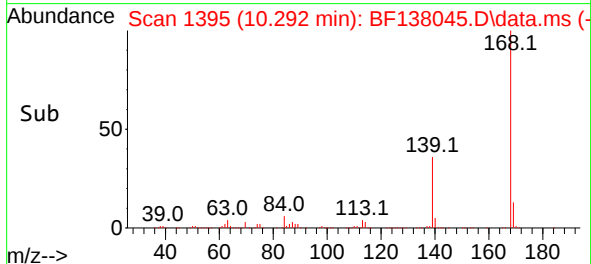
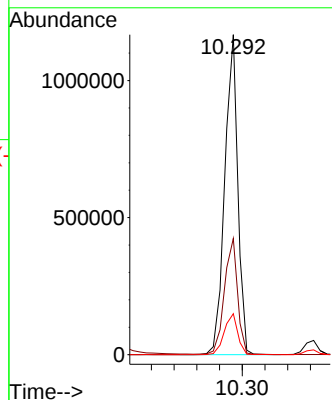
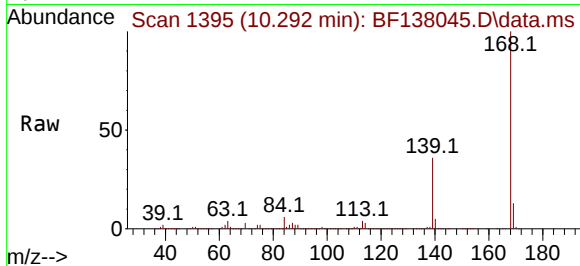




#55
Dibenzofuran
Concen: 43.479 ng
RT: 10.292 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

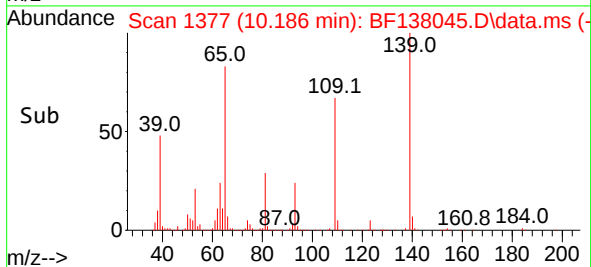
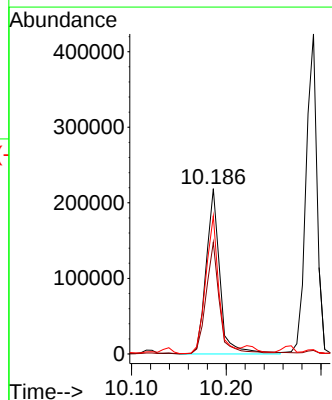
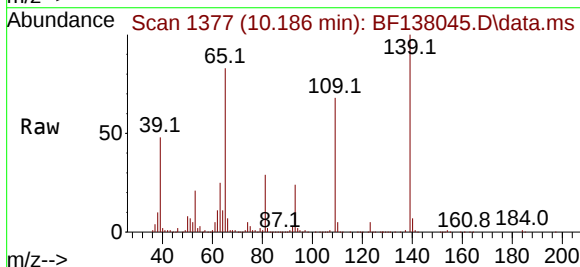
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

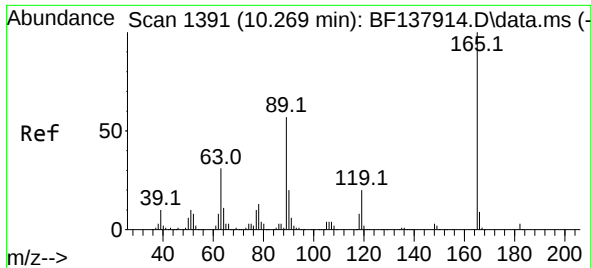
Tgt Ion:168 Resp: 933397
Ion Ratio Lower Upper
168 100
139 36.3 30.4 45.6
169 12.8 10.5 15.7



#56
4-Nitrophenol
Concen: 78.670 ng
RT: 10.186 min Scan# 1377
Delta R.T. 0.012 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:139 Resp: 220395
Ion Ratio Lower Upper
139 100
109 67.5 46.5 86.5
65 83.5 70.4 110.4

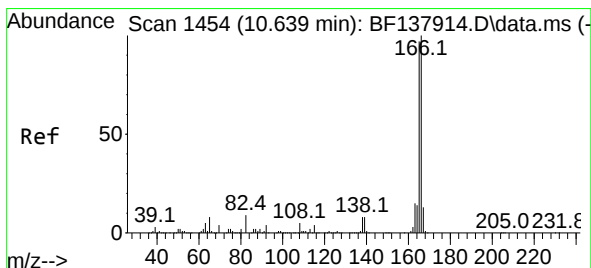
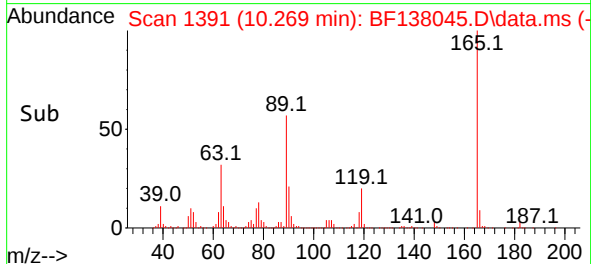
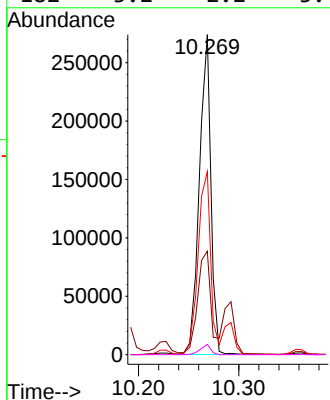
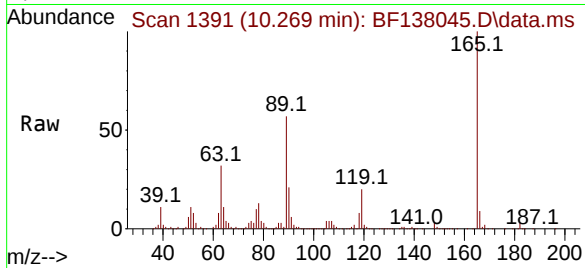




#57
2,4-Dinitrotoluene
Concen: 42.700 ng
RT: 10.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

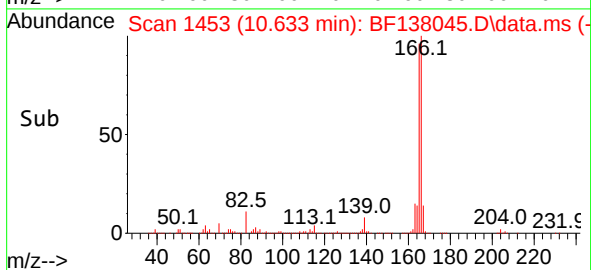
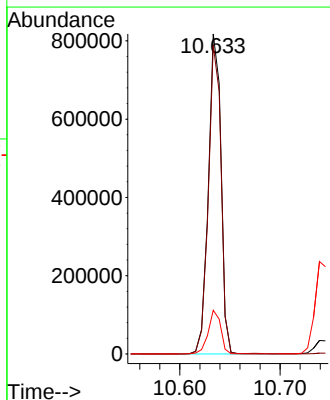
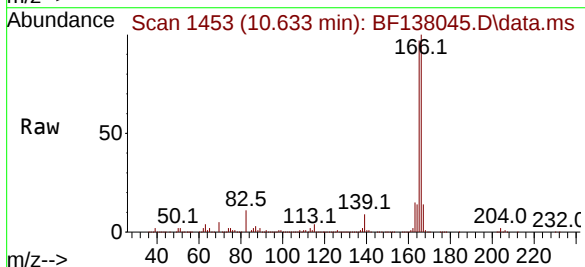
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

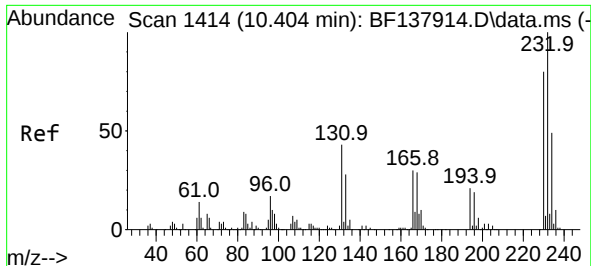
Tgt Ion:165 Resp: 220251
Ion Ratio Lower Upper
165 100
63 32.4 25.3 37.9
89 57.2 45.9 68.9
182 3.2 2.2 3.4



#58
Fluorene
Concen: 42.126 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:166 Resp: 715308
Ion Ratio Lower Upper
166 100
165 96.5 77.8 116.8
167 13.6 10.4 15.6

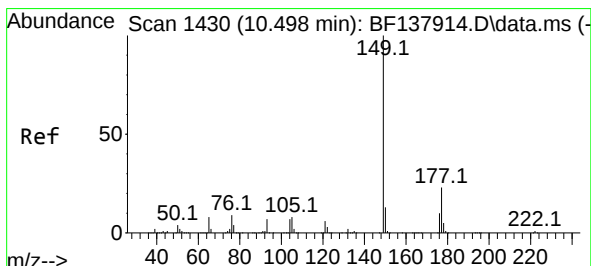
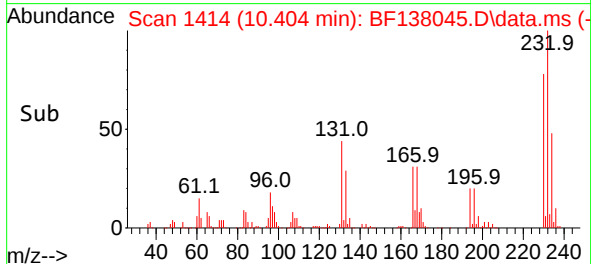
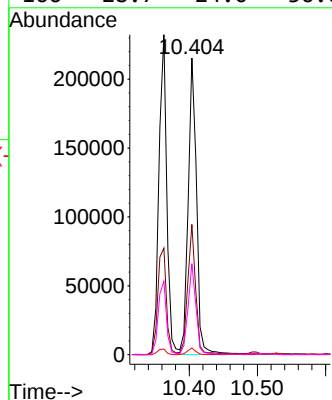
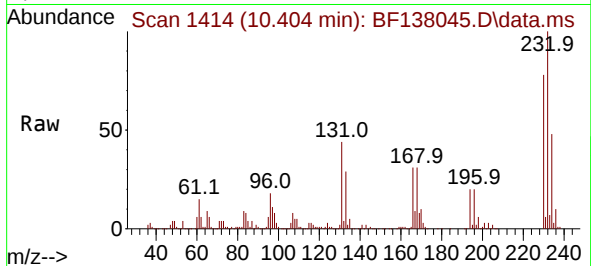




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.001 ng
RT: 10.404 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

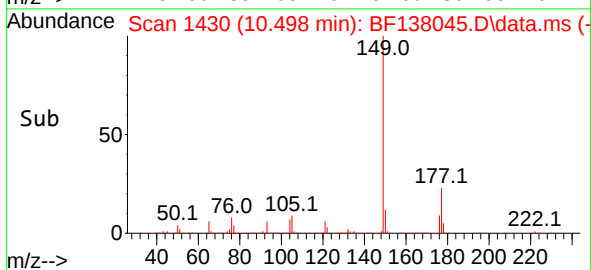
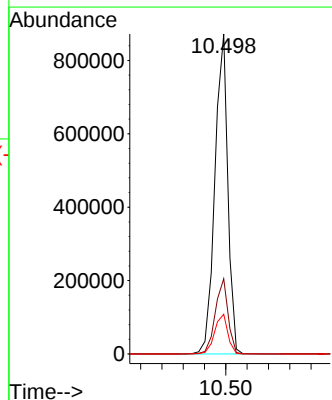
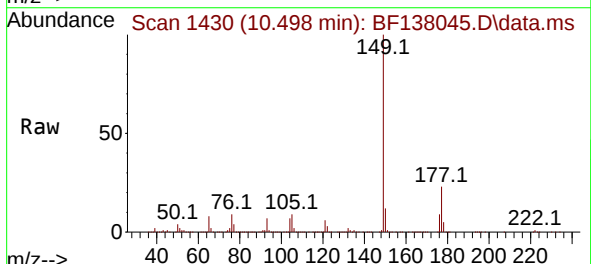
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

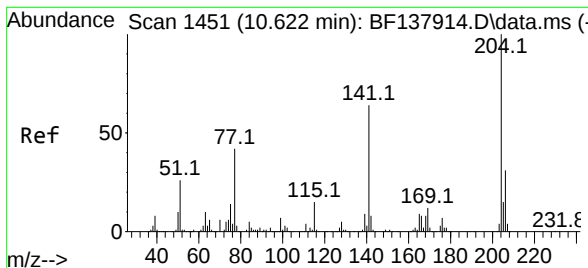
Tgt Ion:232 Resp: 182654
Ion Ratio Lower Upper
232 100
131 41.2 34.4 51.6
130 2.4 1.7 2.5
166 28.7 24.0 36.0



#60
Diethylphthalate
Concen: 45.411 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:149 Resp: 737281
Ion Ratio Lower Upper
149 100
177 23.5 18.4 27.6
150 12.4 10.1 15.1

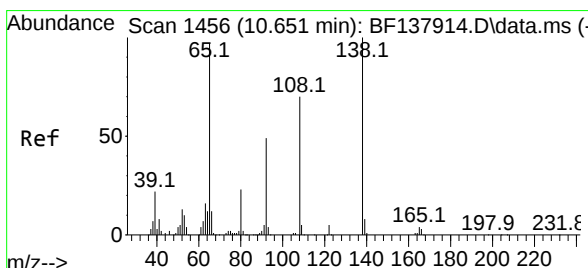
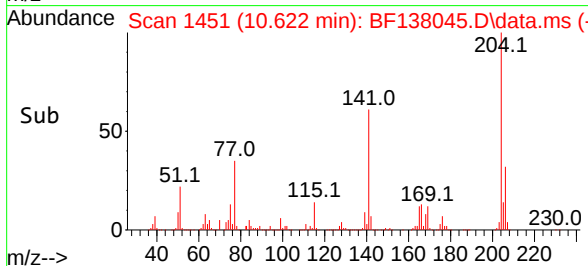
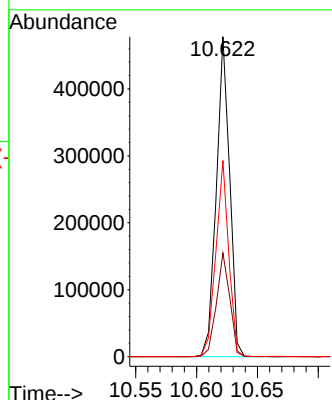
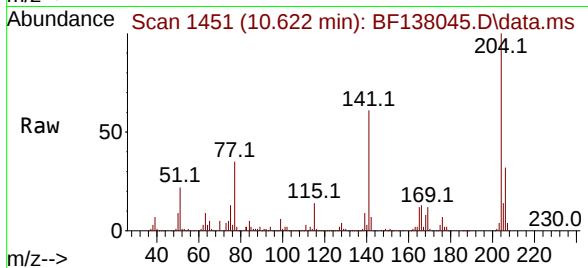




#61
4-Chlorophenyl-phenylether
Concen: 43.504 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

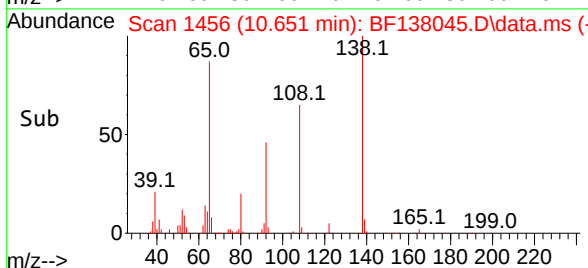
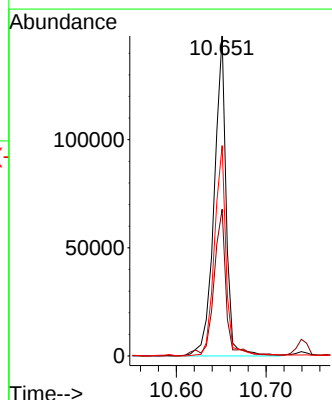
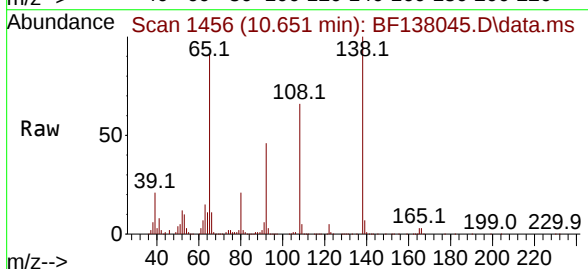
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

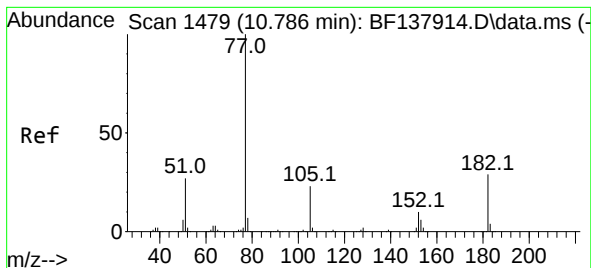
Tgt Ion:204 Resp: 364295
Ion Ratio Lower Upper
204 100
206 32.4 25.1 37.7
141 61.3 51.0 76.6



#62
4-Nitroaniline
Concen: 37.324 ng
RT: 10.651 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:138 Resp: 138083
Ion Ratio Lower Upper
138 100
92 45.8 29.0 69.0
108 65.8 49.7 89.7





#63

Azobenzene

Concen: 42.133 ng

RT: 10.786 min Scan# 1479

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

Tgt Ion: 77 Resp: 622229

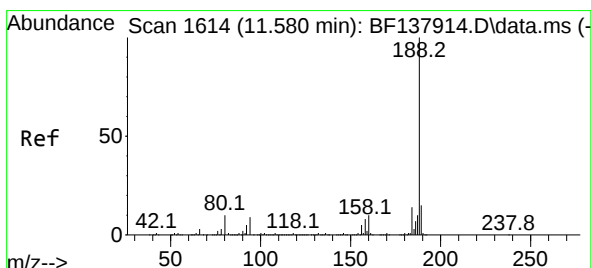
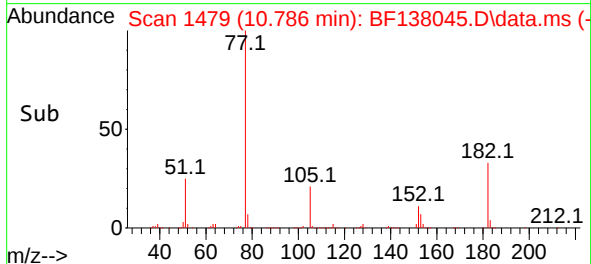
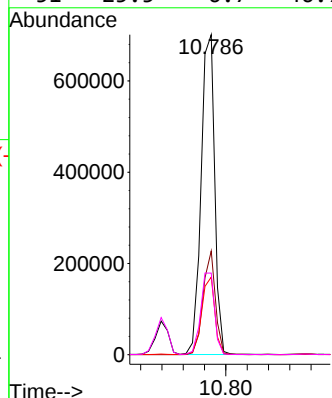
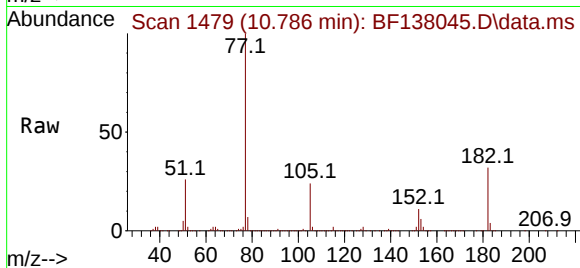
Ion Ratio Lower Upper

77 100

182 32.4 9.2 49.2

105 24.2 3.1 43.1

51 25.5 6.7 46.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.580 min Scan# 1614

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

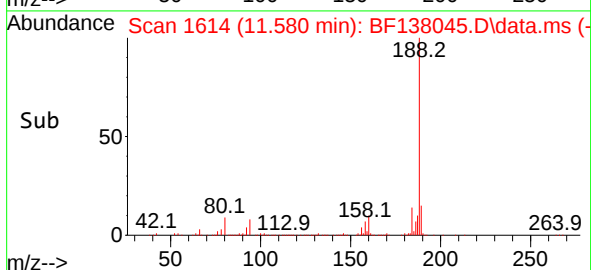
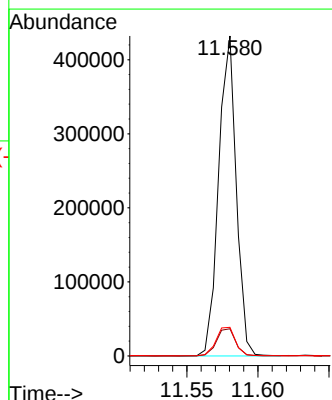
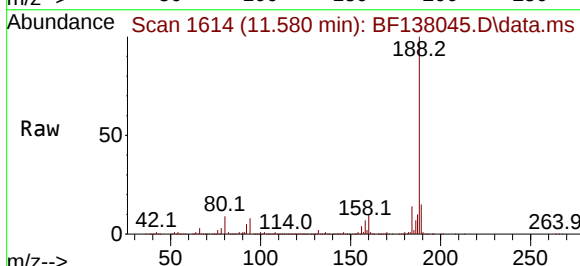
Tgt Ion: 188 Resp: 372137

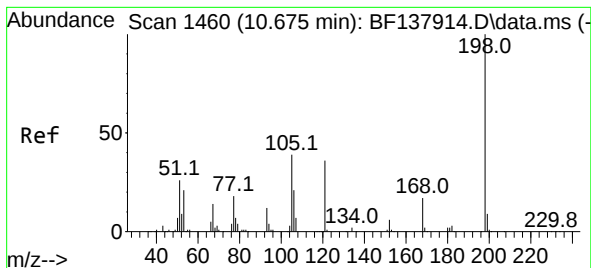
Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.4

80 9.0 7.7 11.5

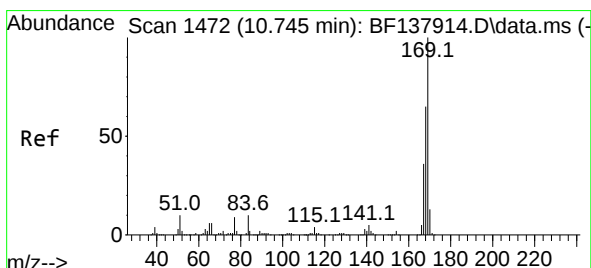
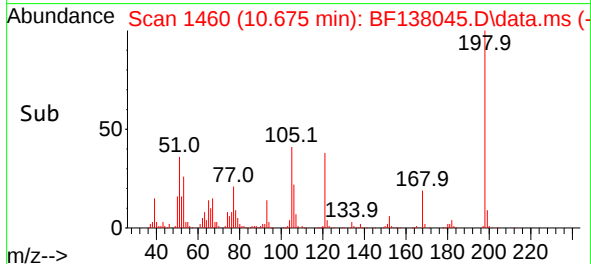
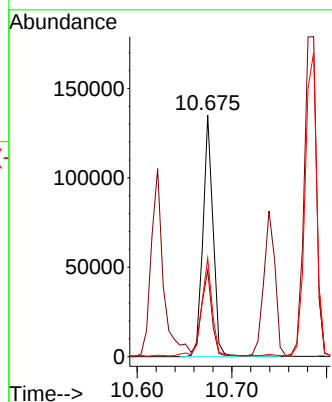
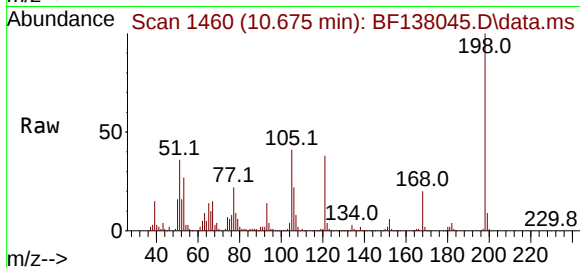




#65
4,6-Dinitro-2-methylphenol
Concen: 47.285 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

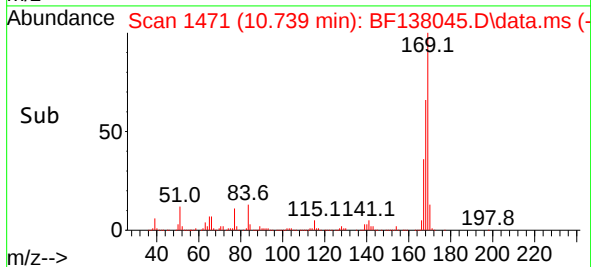
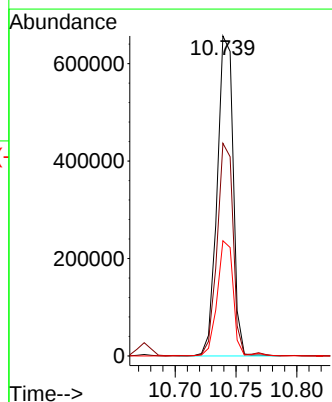
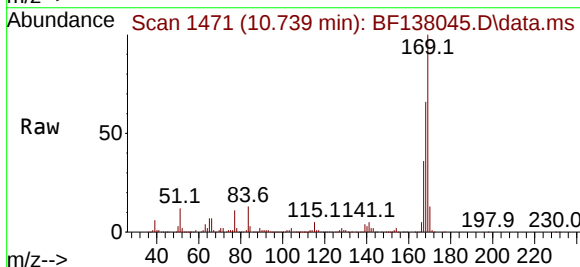
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

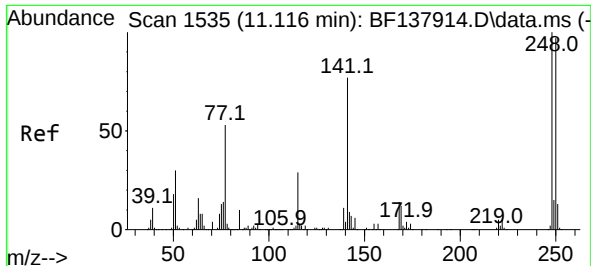
Tgt Ion:198 Resp: 101603
Ion Ratio Lower Upper
198 100
51 35.7 13.8 53.8
105 40.7 19.0 59.0



#66
n-Nitrosodiphenylamine
Concen: 52.499 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:169 Resp: 599133
Ion Ratio Lower Upper
169 100
168 66.4 52.4 78.6
167 36.0 28.9 43.3

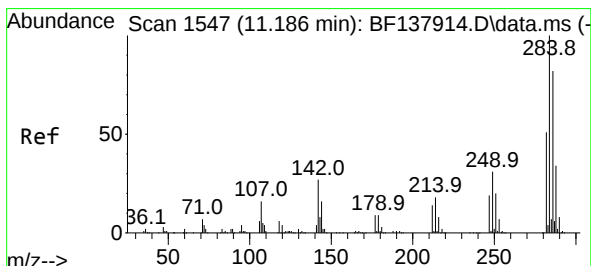
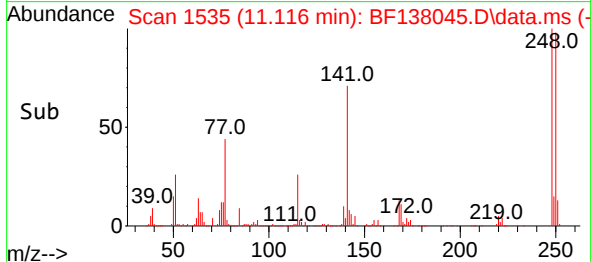
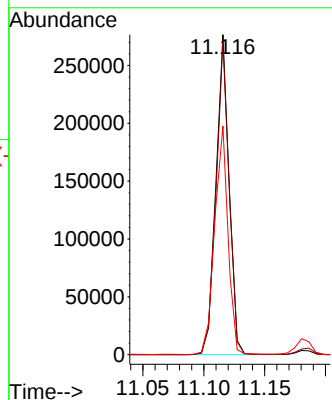
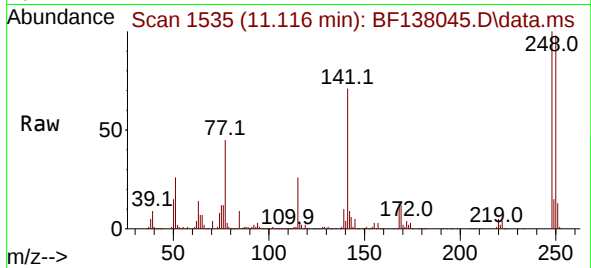




#67
4-Bromophenyl-phenylether
Concen: 51.022 ng
RT: 11.116 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

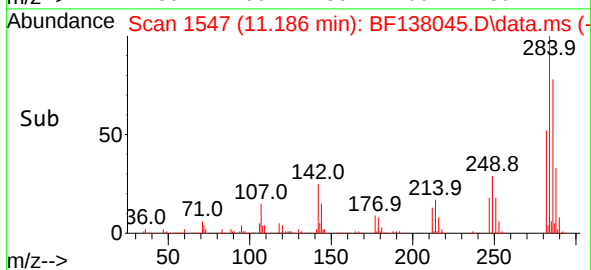
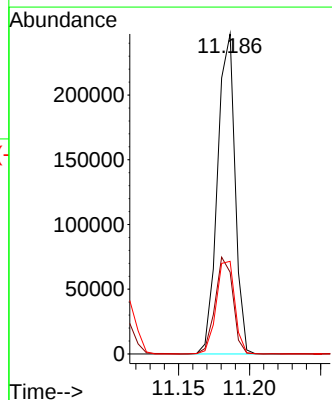
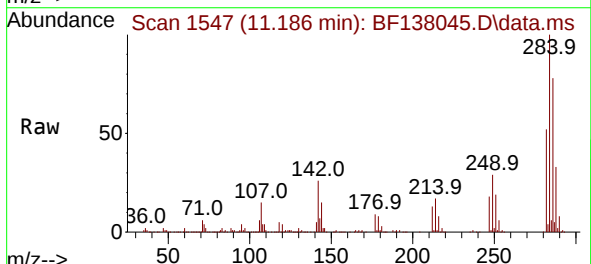
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

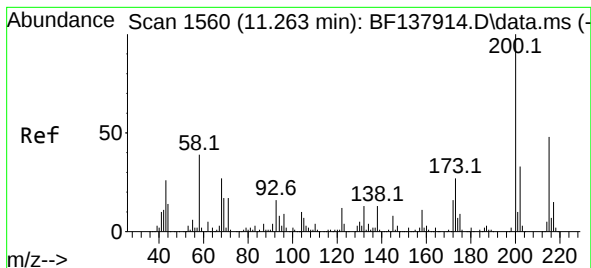
Tgt Ion:248 Resp: 208154
Ion Ratio Lower Upper
248 100
250 98.1 77.6 116.4
141 71.5 61.4 92.2



#68
Hexachlorobenzene
Concen: 47.005 ng
RT: 11.186 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:284 Resp: 211976
Ion Ratio Lower Upper
284 100
142 25.5 21.3 31.9
249 29.0 24.6 37.0





#69

Atrazine

Concen: 58.891 ng

RT: 11.263 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

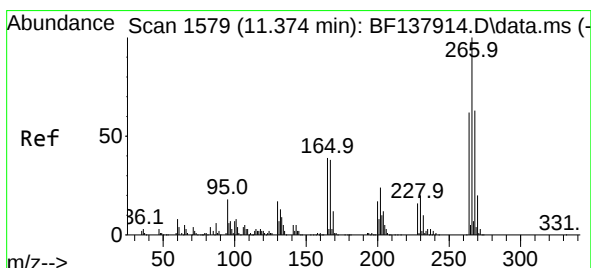
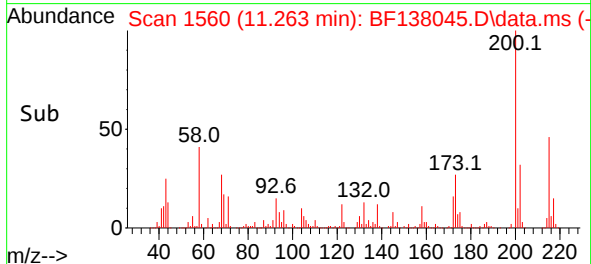
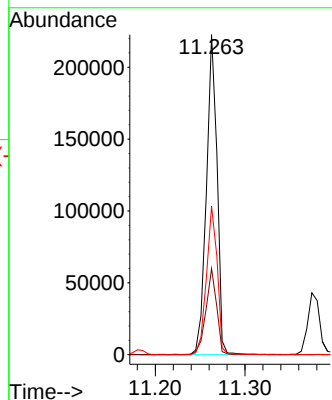
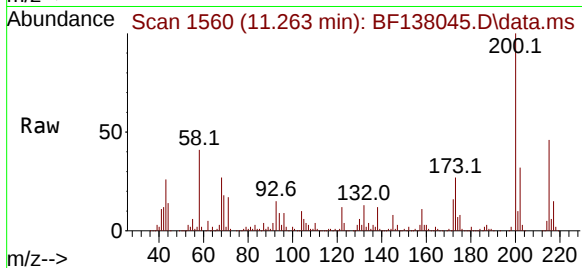
Tgt Ion:200 Resp: 183522

Ion Ratio Lower Upper

200 100

173 26.9 6.6 46.6

215 46.4 27.5 67.5



#70

Pentachlorophenol

Concen: 87.005 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

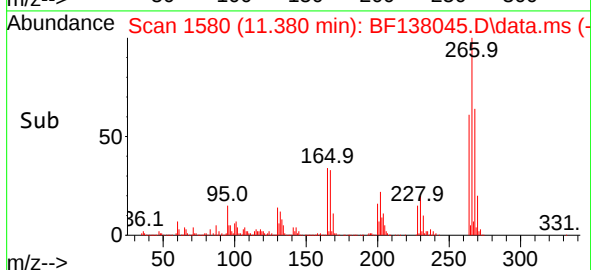
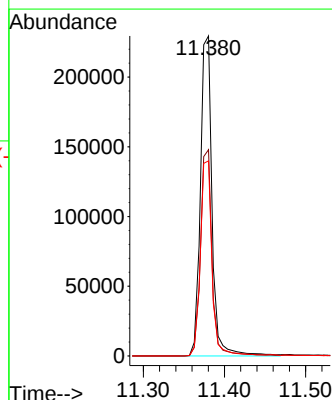
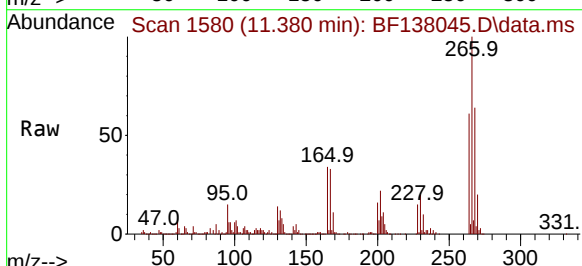
Tgt Ion:266 Resp: 229830

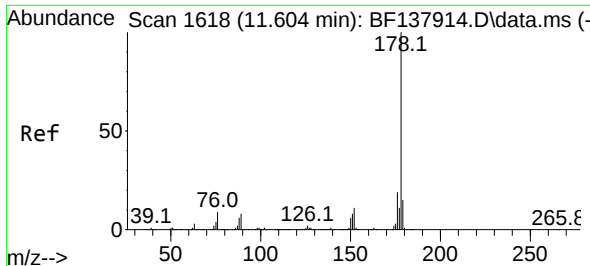
Ion Ratio Lower Upper

266 100

268 64.5 50.1 75.1

264 61.0 49.4 74.2

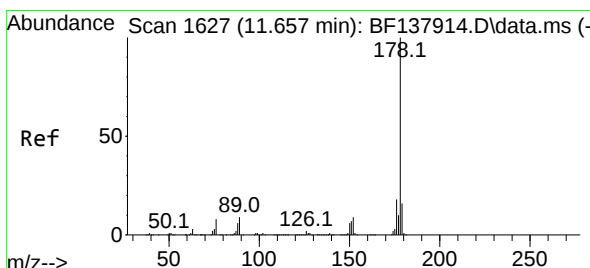
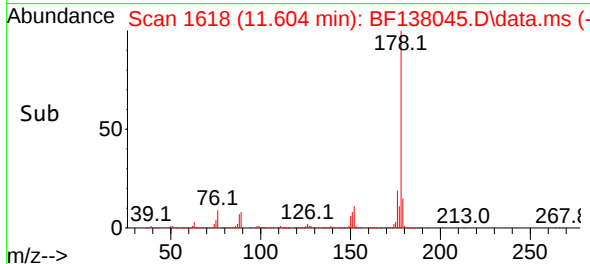
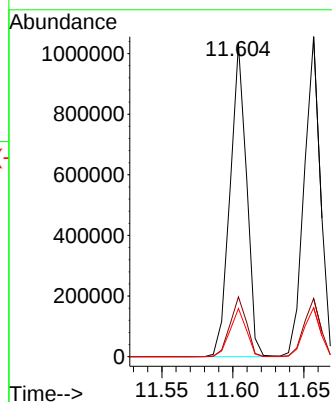
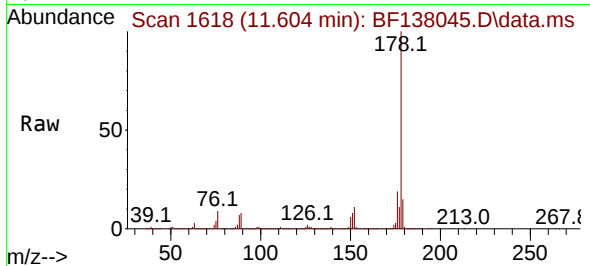




#71
Phenanthrene
Concen: 45.519 ng
RT: 11.604 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

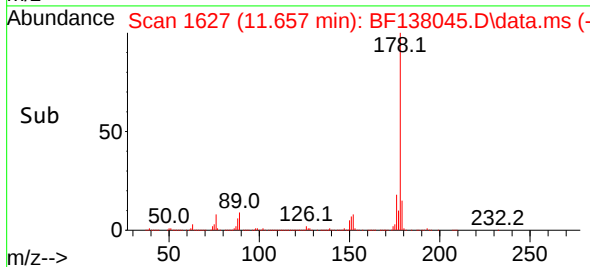
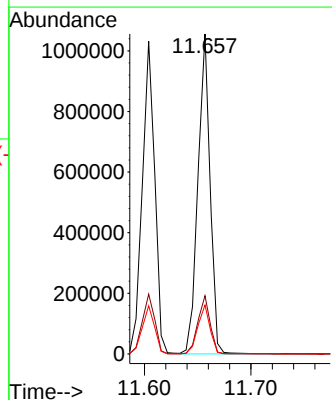
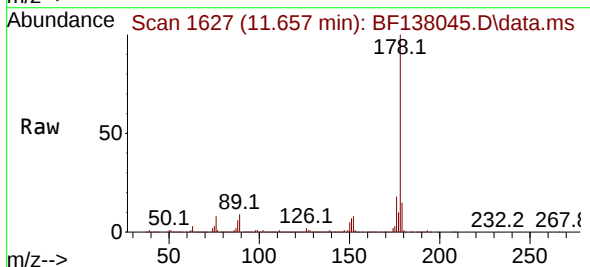
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

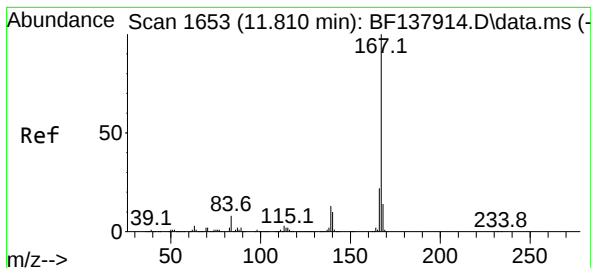
Tgt Ion:178 Resp: 834758
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.4 12.2 18.4



#72
Anthracene
Concen: 46.062 ng
RT: 11.657 min Scan# 1627
Delta R.T. 0.000 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:178 Resp: 838111
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 15.3 12.4 18.6





#73

Carbazole

Concen: 43.019 ng

RT: 11.810 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

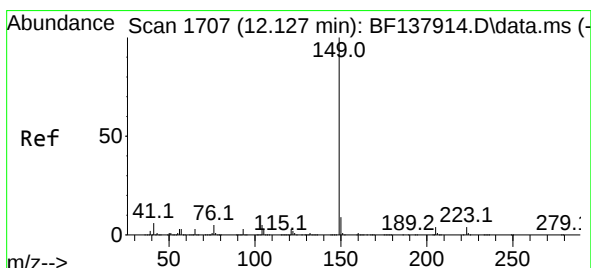
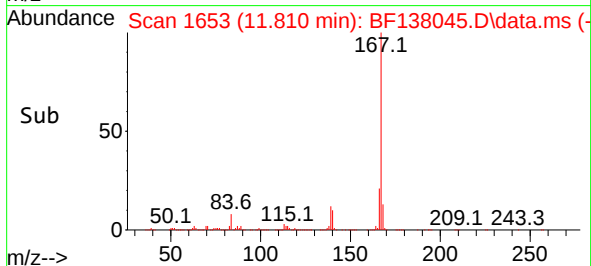
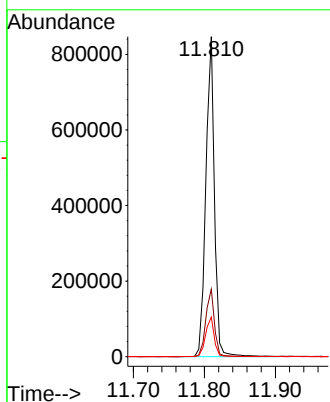
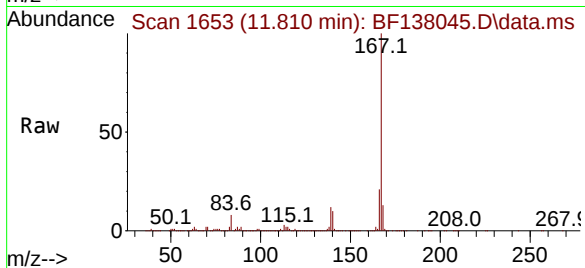
Tgt Ion:167 Resp: 715027

Ion Ratio Lower Upper

167 100

166 21.1 17.3 25.9

139 12.4 10.3 15.5



#74

Di-n-butylphthalate

Concen: 49.388 ng

RT: 12.127 min Scan# 1707

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

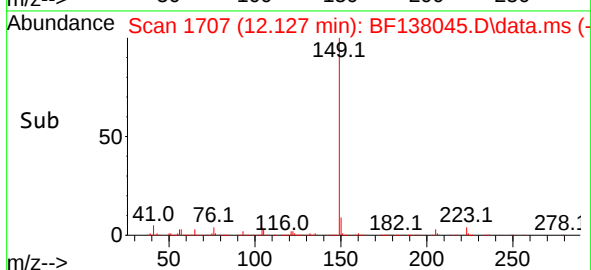
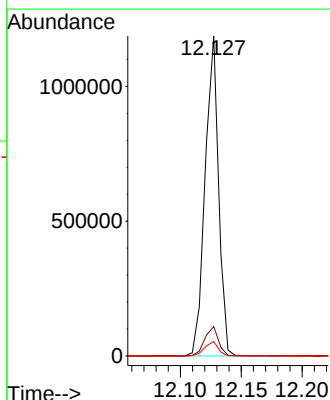
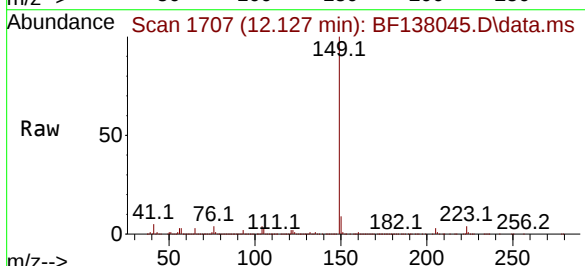
Tgt Ion:149 Resp: 911003

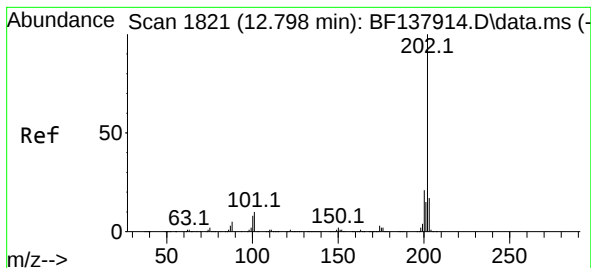
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

104 4.5 3.6 5.4





#75

Fluoranthene

Concen: 41.524 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

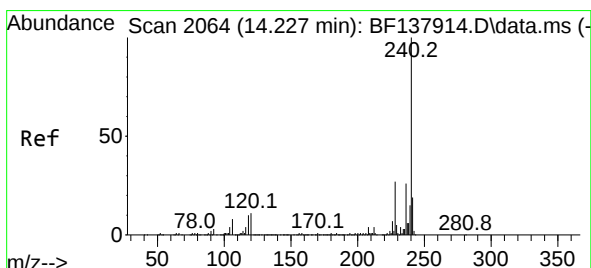
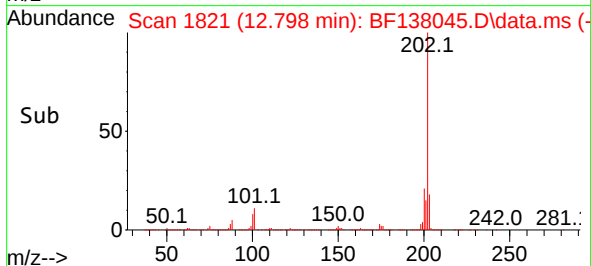
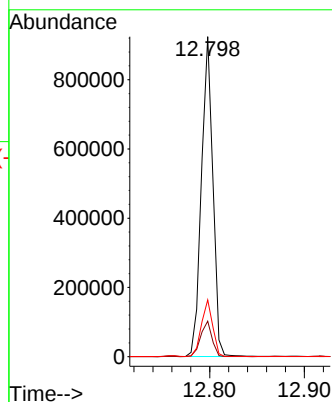
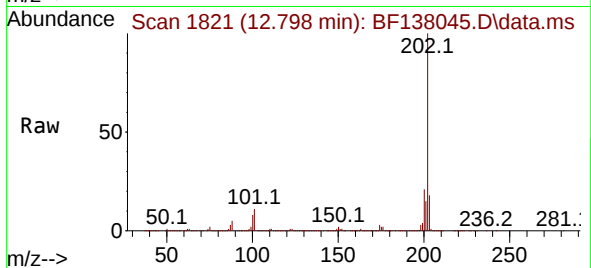
Tgt Ion:202 Resp: 772926

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.5

203 17.8 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.233 min Scan# 2065

Delta R.T. 0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

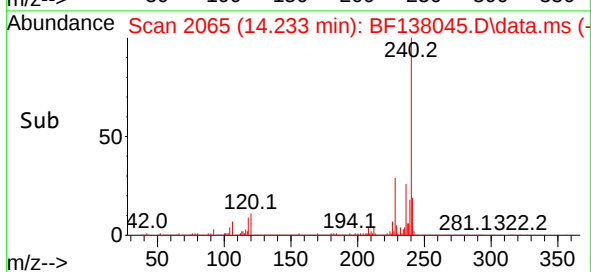
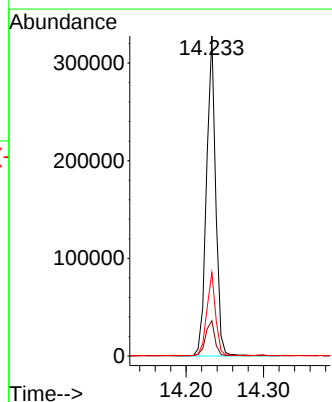
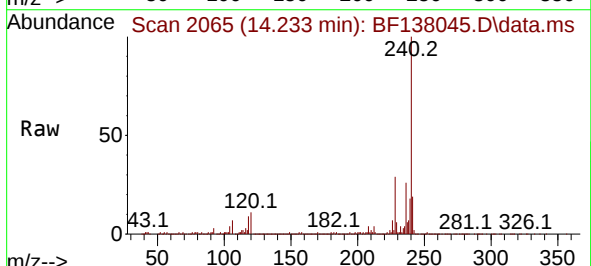
Tgt Ion:240 Resp: 270539

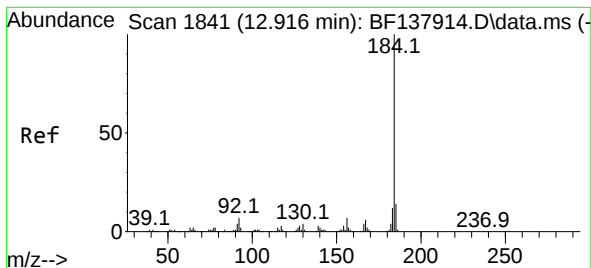
Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

236 26.1 21.0 31.4





#77

Benzidine

Concen: 69.466 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

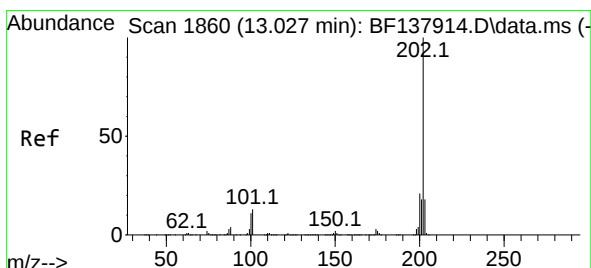
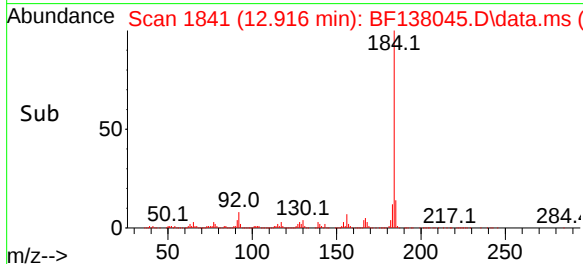
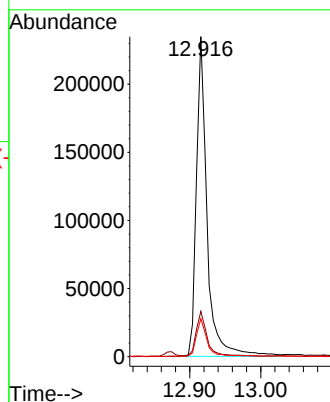
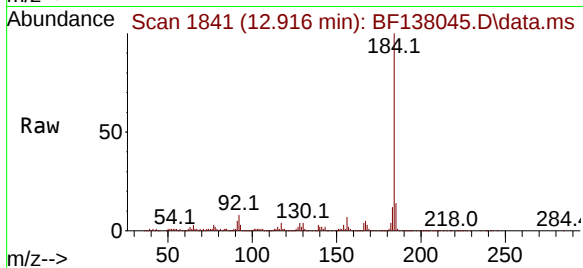
Tgt Ion:184 Resp: 245609

Ion Ratio Lower Upper

184 100

185 14.1 11.4 17.2

183 11.9 9.5 14.3



#78

Pyrene

Concen: 33.718 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

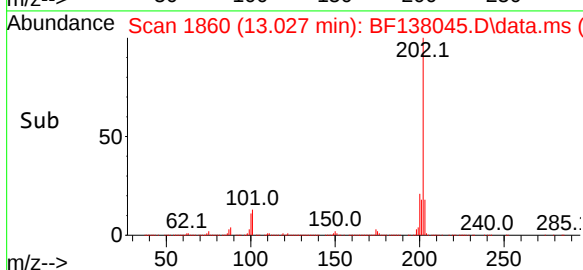
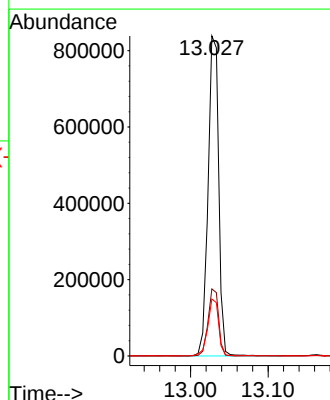
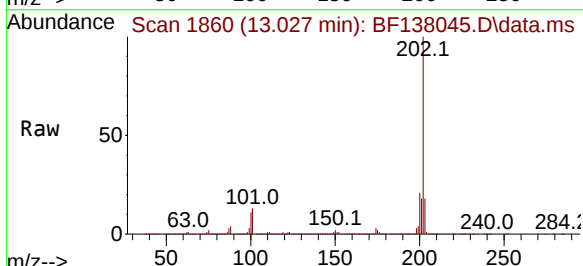
Tgt Ion:202 Resp: 797851

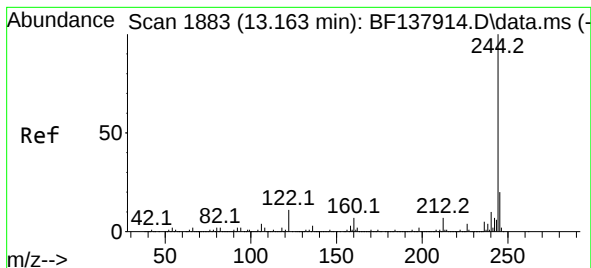
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 44.111 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

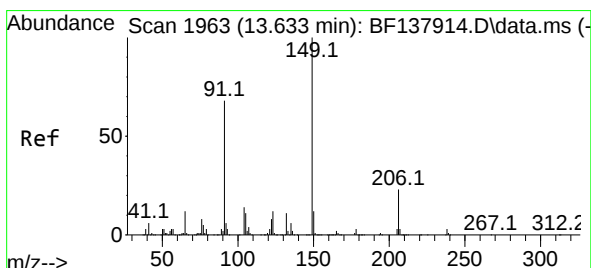
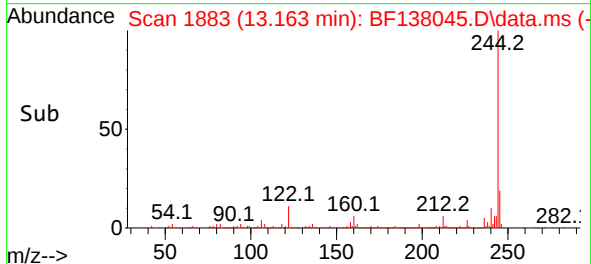
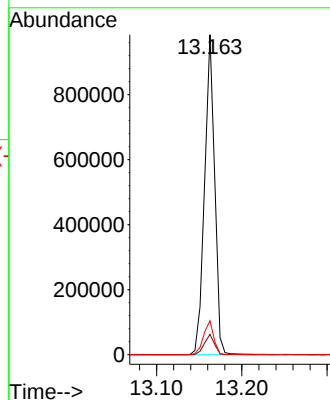
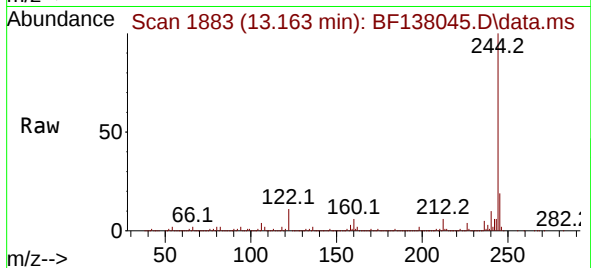
Tgt Ion:244 Resp: 809723

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 10.6 8.8 13.2



#80

Butylbenzylphthalate

Concen: 44.689 ng

RT: 13.633 min Scan# 1963

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

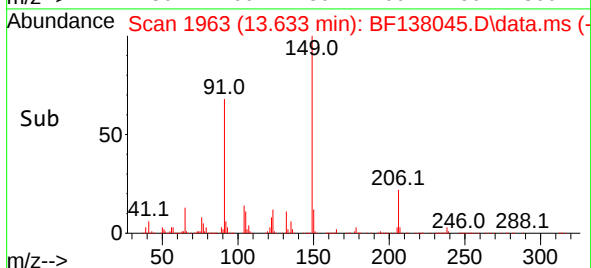
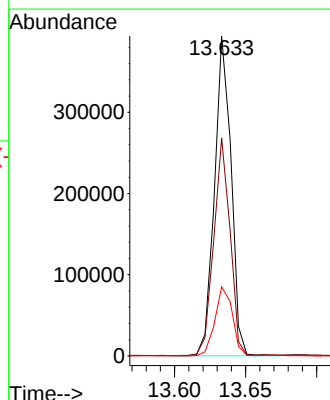
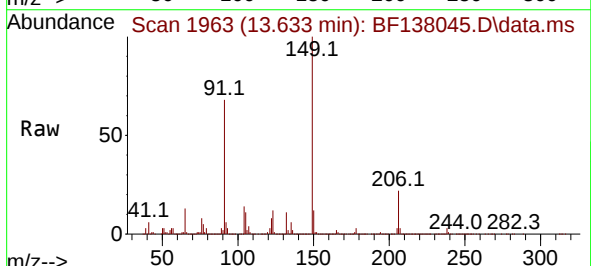
Tgt Ion:149 Resp: 318960

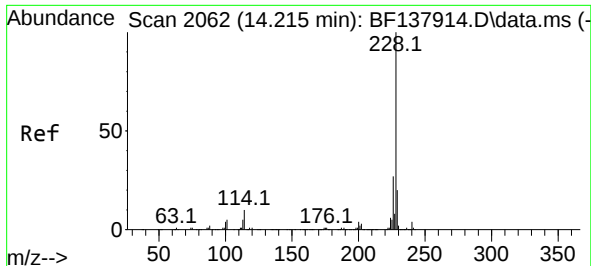
Ion Ratio Lower Upper

149 100

91 68.1 54.2 81.4

206 21.6 18.1 27.1

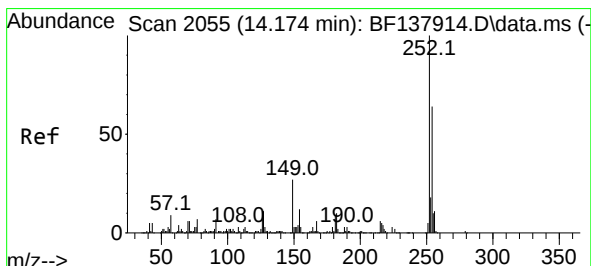
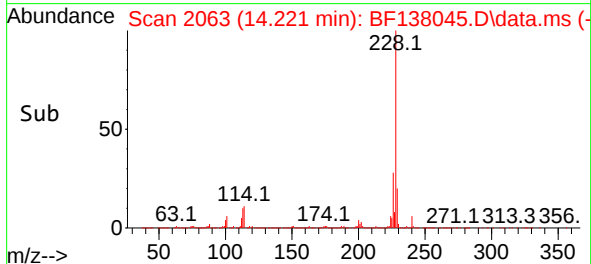
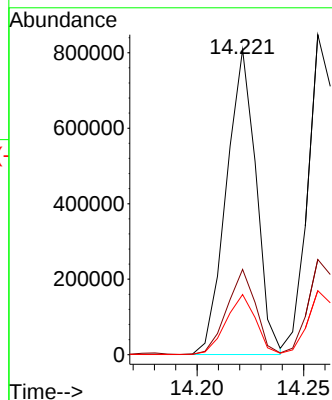
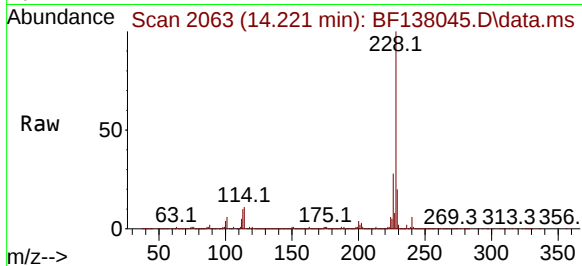




#81
Benzo(a)anthracene
Concen: 45.778 ng
RT: 14.221 min Scan# 2062
Delta R.T. 0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

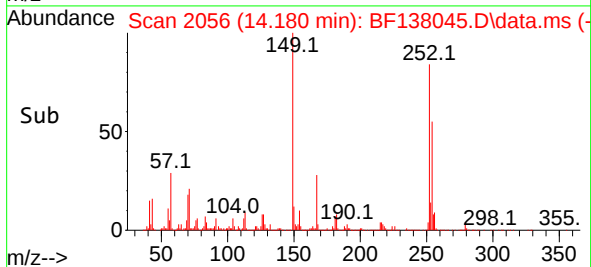
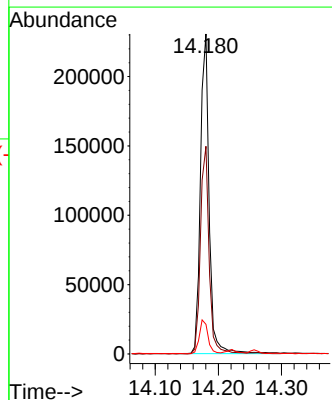
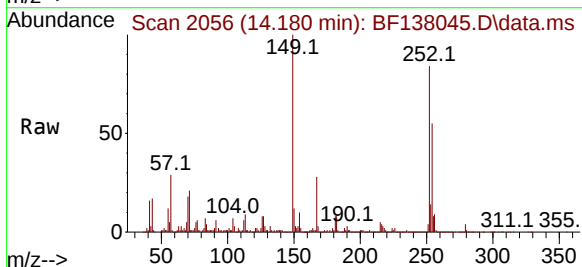
Instrument :
BNA_F
ClientSampleId :
72-11933MSD

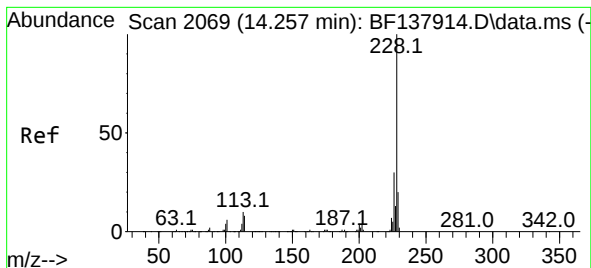
Tgt Ion:228 Resp: 783531
Ion Ratio Lower Upper
228 100
226 28.0 21.3 31.9
229 19.7 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 46.323 ng
RT: 14.180 min Scan# 2056
Delta R.T. 0.006 min
Lab File: BF138045.D
Acq: 28 May 2024 14:10

Tgt Ion:252 Resp: 219726
Ion Ratio Lower Upper
252 100
254 64.9 51.2 76.8
126 9.2 8.7 13.1





#83

Chrysene

Concen: 45.309 ng

RT: 14.257 min Scan# 2069

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

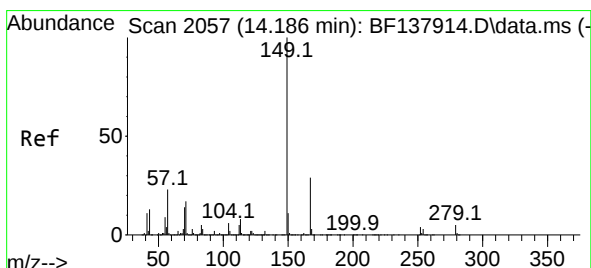
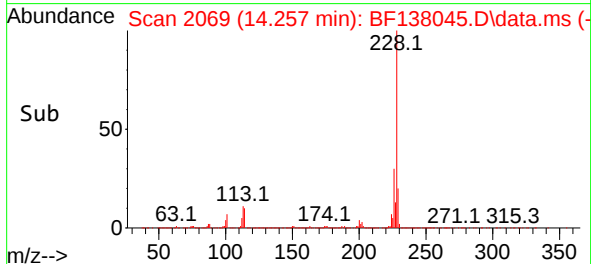
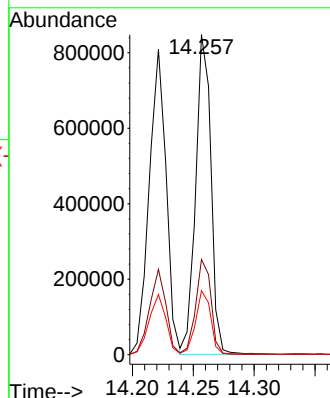
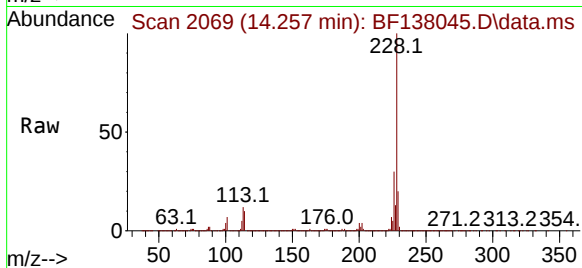
Tgt Ion:228 Resp: 741678

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

229 20.0 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.504 ng

RT: 14.186 min Scan# 2057

Delta R.T. 0.000 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

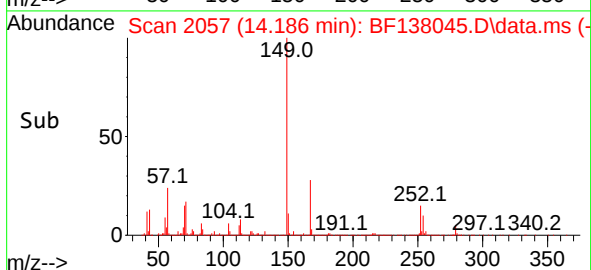
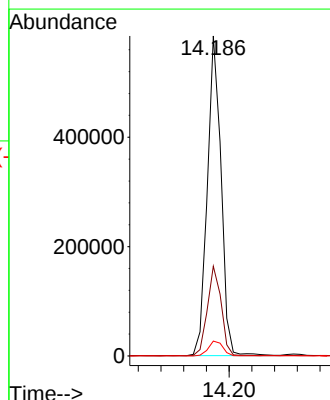
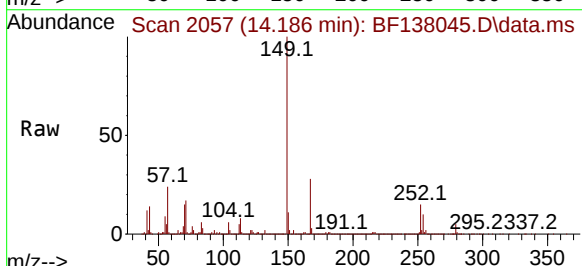
Tgt Ion:149 Resp: 489004

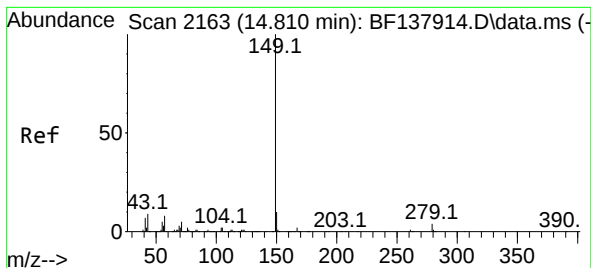
Ion Ratio Lower Upper

149 100

167 28.1 23.2 34.8

279 4.7 4.1 6.1





#85

Di-n-octyl phthalate

Concen: 67.195 ng

RT: 14.815 min Scan# 2163

Delta R.T. 0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

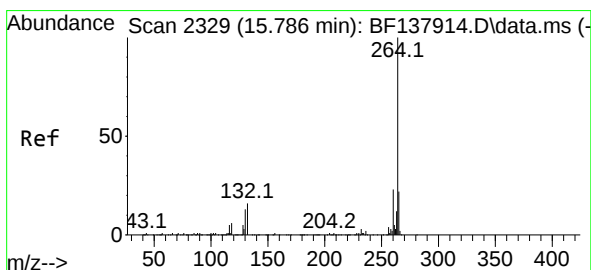
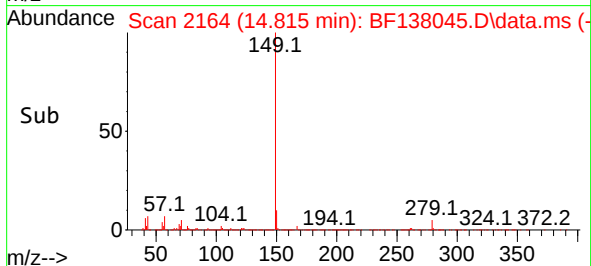
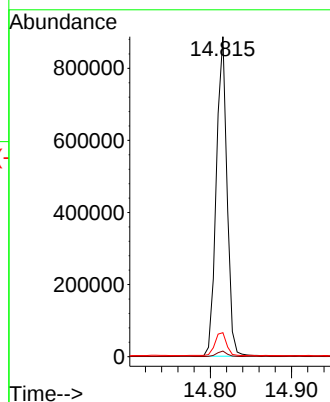
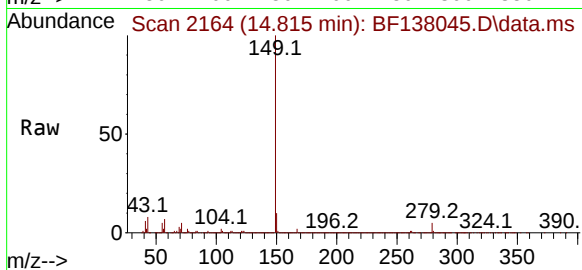
Tgt Ion:149 Resp: 814443

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 7.6 6.6 9.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.798 min Scan# 2331

Delta R.T. 0.012 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

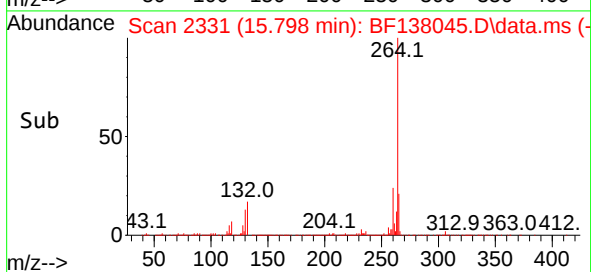
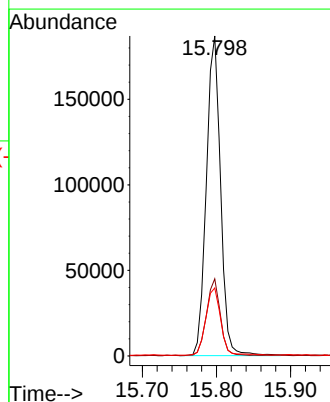
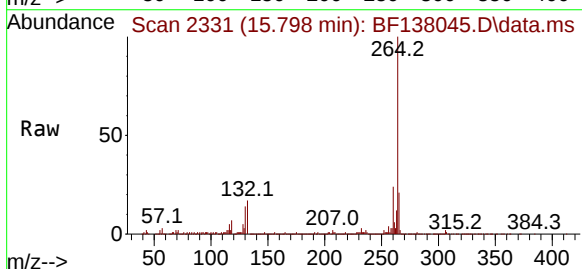
Tgt Ion:264 Resp: 248496

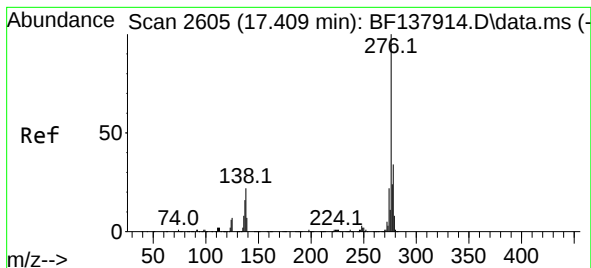
Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

265 21.3 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 35.726 ng

RT: 17.427 min Scan# 2

Delta R.T. 0.018 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

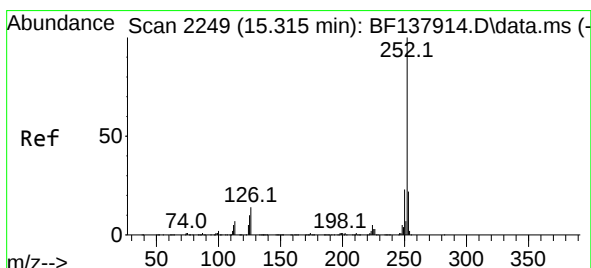
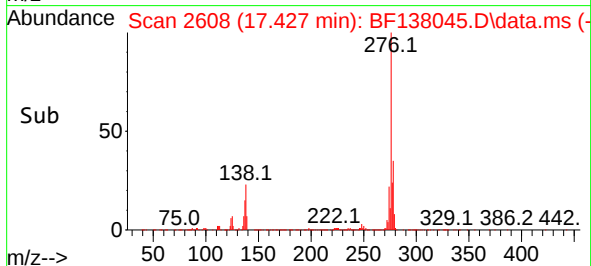
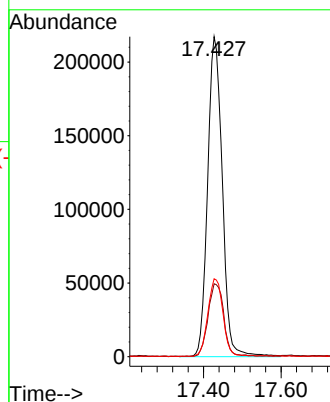
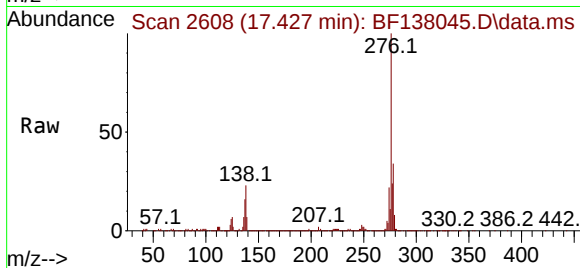
Tgt Ion:276 Resp: 570373

Ion Ratio Lower Upper

276 100

138 24.1 20.6 30.8

277 25.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 49.152 ng

RT: 15.327 min Scan# 2251

Delta R.T. 0.012 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

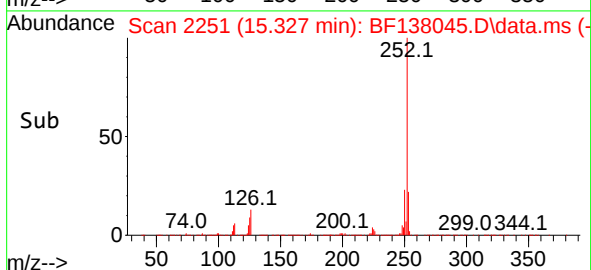
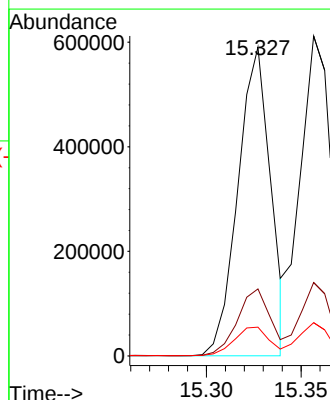
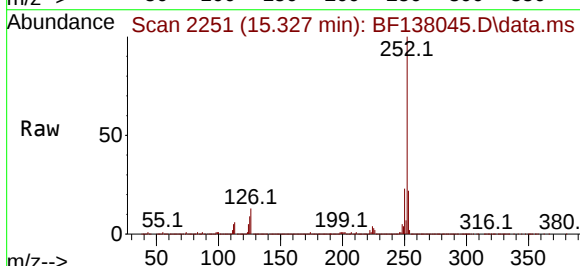
Tgt Ion:252 Resp: 707195

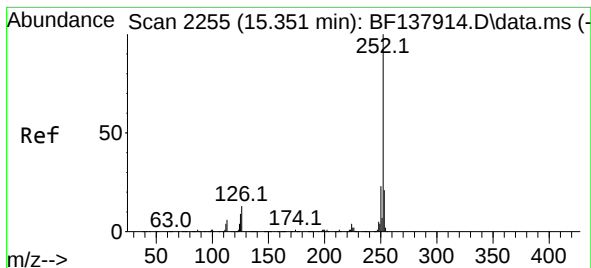
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 9.3 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 49.781 ng

RT: 15.357 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

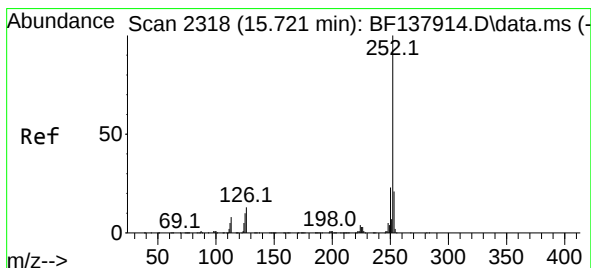
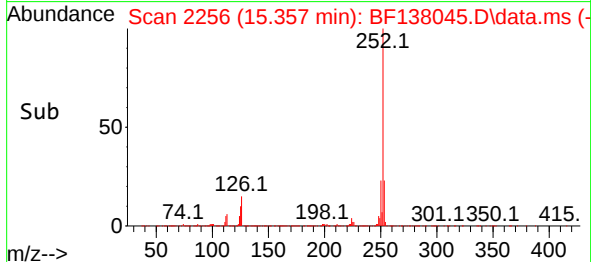
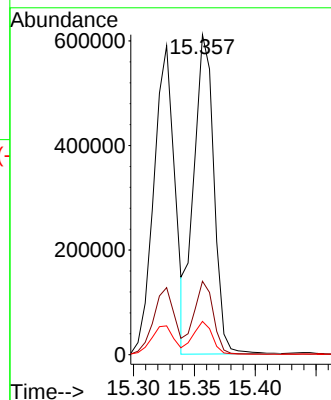
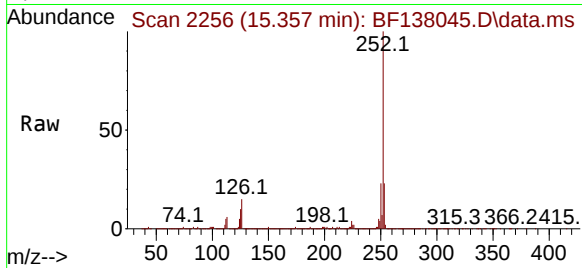
Tgt Ion:252 Resp: 703645

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 10.4 7.7 11.5



#90

Benzo(a)pyrene

Concen: 49.327 ng

RT: 15.727 min Scan# 2319

Delta R.T. 0.006 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

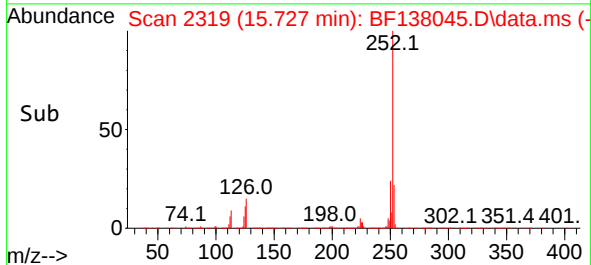
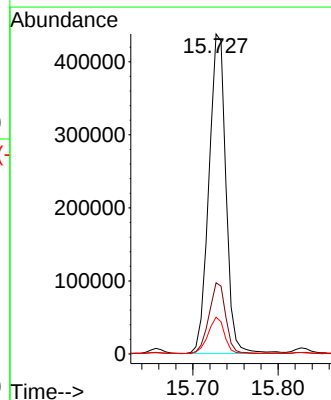
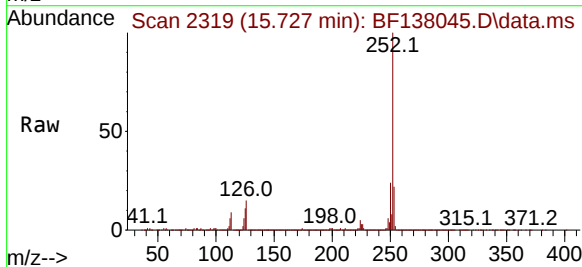
Tgt Ion:252 Resp: 606034

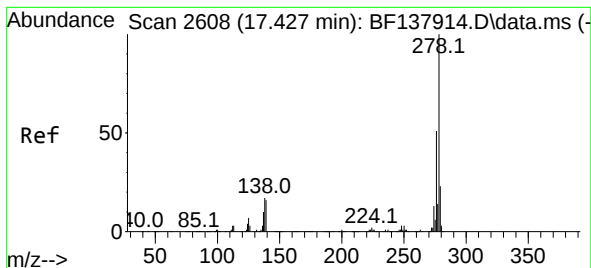
Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

125 11.5 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 34.617 ng

RT: 17.445 min Scan# 2611

Delta R.T. 0.018 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Instrument :

BNA_F

ClientSampleId :

72-11933MSD

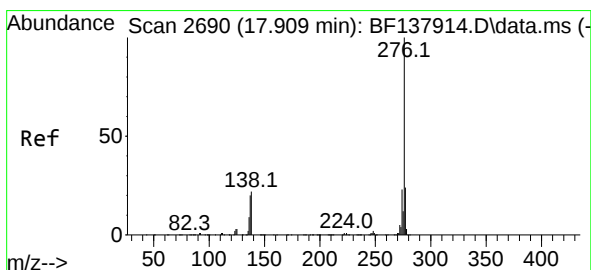
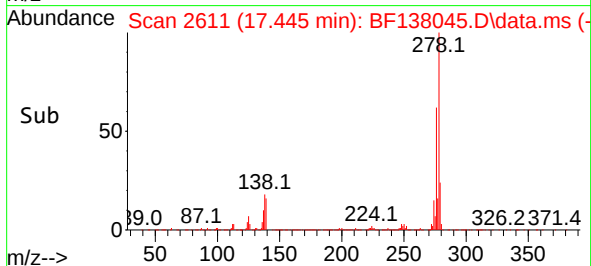
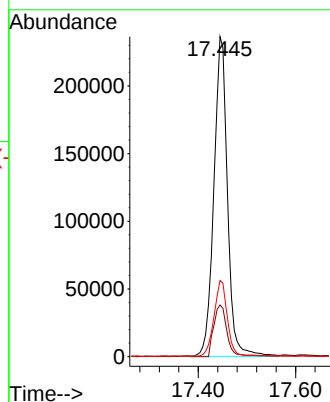
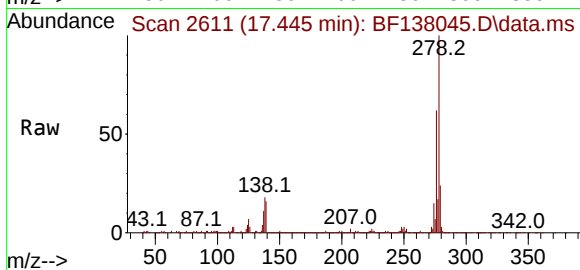
Tgt Ion:278 Resp: 456620

Ion Ratio Lower Upper

278 100

139 16.1 13.1 19.7

279 23.8 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 30.415 ng

RT: 17.921 min Scan# 2692

Delta R.T. 0.012 min

Lab File: BF138045.D

Acq: 28 May 2024 14:10

Tgt Ion:276 Resp: 421456

Ion Ratio Lower Upper

276 100

277 23.2 18.9 28.3

138 21.8 17.6 26.4

