

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139944.D
 Acq On : 22 Oct 2024 22:46
 Operator : RC/JU
 Sample : P4431-01MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11934MSD

Quant Time: Oct 23 01:14:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	142085	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	509979	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	232282	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	353031	20.000	ng	0.00
76) Chrysene-d12	14.057	240	304375	20.000	ng	0.00
86) Perylene-d12	15.533	264	262279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	967367	106.584	ng	0.01
7) Phenol-d6	6.510	99	1196645	101.799	ng	0.00
23) Nitrobenzene-d5	7.451	82	762620	82.880	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	235094	108.204	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1233039	87.731	ng	0.00
79) Terphenyl-d14	12.998	244	1182763	63.320	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	173458	40.990	ng	95
3) Pyridine	3.499	79	434423	41.417	ng	97
4) n-Nitrosodimethylamine	3.446	42	242965	43.113	ng	98
6) Aniline	6.551	93	217141	19.820	ng	99
8) 2-Chlorophenol	6.675	128	433164	46.685	ng	97
9) Benzaldehyde	6.440	77	101234	15.309	ng	96
10) Phenol	6.528	94	543548	44.852	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	432481	46.171	ng	98
12) 1,3-Dichlorobenzene	6.834	146	469638	44.094	ng	98
13) 1,4-Dichlorobenzene	6.910	146	476262	44.757	ng	99
14) 1,2-Dichlorobenzene	7.063	146	457358	46.053	ng	99
15) Benzyl Alcohol	7.028	79	393066	45.585	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	702854	44.006	ng	98
17) 2-Methylphenol	7.134	107	346054	43.739	ng	99
18) Hexachloroethane	7.404	117	169320	44.621	ng	97
19) n-Nitroso-di-n-propyla...	7.298	70	311531	43.697	ng	98
20) 3+4-Methylphenols	7.287	107	430586	42.549	ng	95
22) Acetophenone	7.298	105	586595	46.961	ng	98
24) Nitrobenzene	7.469	77	460055	45.602	ng	100
25) Isophorone	7.710	82	806873	46.201	ng	99
26) 2-Nitrophenol	7.787	139	206146	54.165	ng	97
27) 2,4-Dimethylphenol	7.822	122	334729	52.745	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	500010	47.255	ng	99
29) 2,4-Dichlorophenol	8.028	162	318162	44.015	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	361046	45.140	ng	99
31) Naphthalene	8.192	128	1199406	45.602	ng	99
32) Benzoic acid	7.904	122	166402	30.063	ng	94
33) 4-Chloroaniline	8.239	127	81703	9.110	ng	97
34) Hexachlorobutadiene	8.310	225	235753	46.912	ng	100
35) Caprolactam	8.598	113	86419	37.600	ng	90
36) 4-Chloro-3-methylphenol	8.716	107	312561	39.051	ng	96
37) 2-Methylnaphthalene	8.887	142	716404	44.475	ng	100
38) 1-Methylnaphthalene	8.987	142	666369	42.165	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	334701	53.410	ng	99
41) Hexachlorocyclopentadiene	9.039	237	277522	127.276	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	219132	49.391	ng	100

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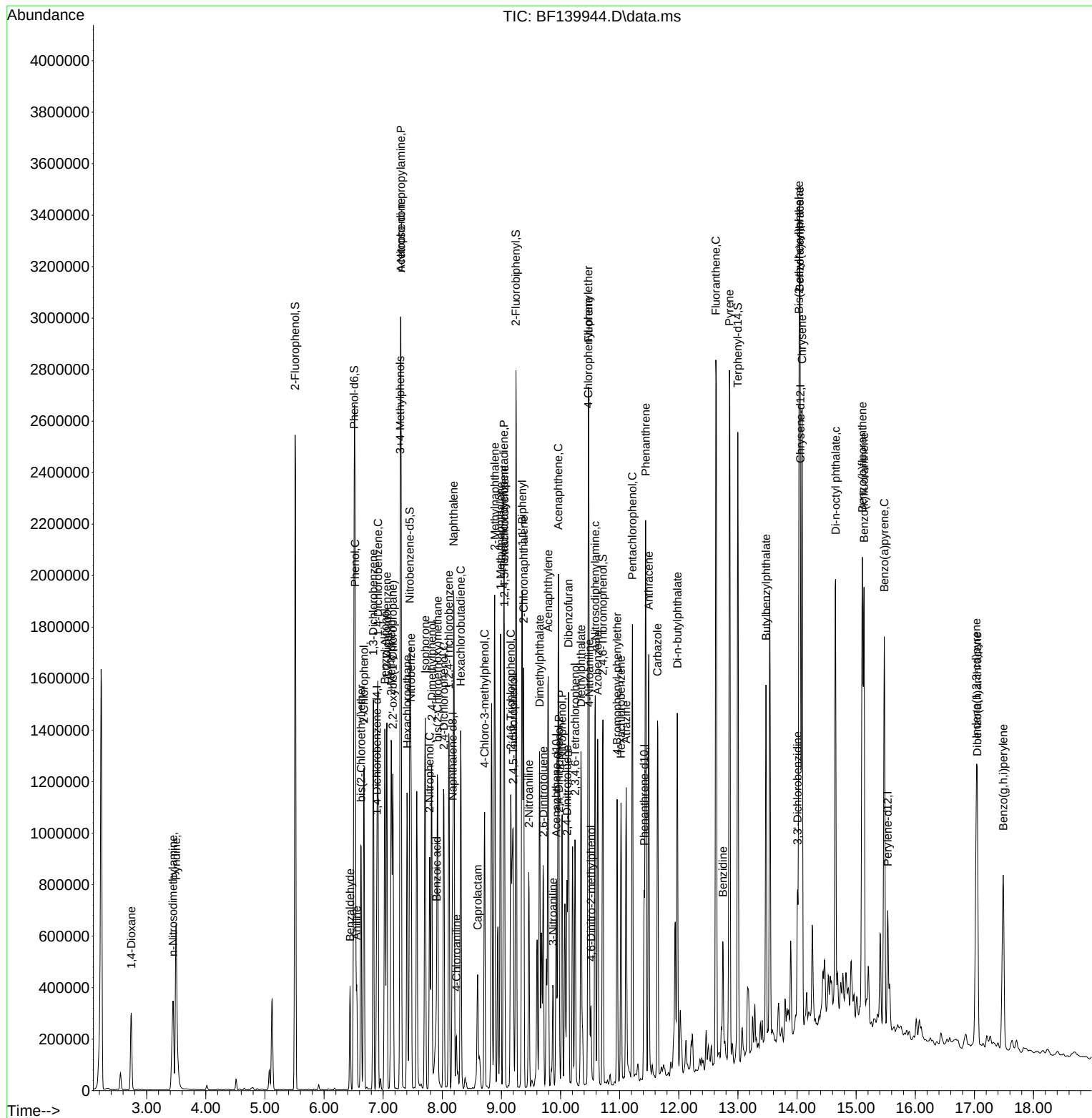
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	203073	44.364	ng	98
46) 1,1'-Biphenyl	9.351	154	830900	51.385	ng	99
47) 2-Chloronaphthalene	9.375	162	639075	49.070	ng	99
48) 2-Nitroaniline	9.463	65	200362	50.301	ng	96
49) Acenaphthylene	9.792	152	973712	51.715	ng	99
50) Dimethylphthalate	9.645	163	726821	50.235	ng	100
51) 2,6-Dinitrotoluene	9.710	165	148527	47.412	ng	92
52) Acenaphthene	9.963	154	604440	49.626	ng	99
53) 3-Nitroaniline	9.875	138	79016	24.459	ng	95
54) 2,4-Dinitrophenol	9.975	184	60266	49.052	ng #	67
55) Dibenzofuran	10.134	168	817038	46.753	ng	98
56) 4-Nitrophenol	10.028	139	229783	92.451	ng	97
57) 2,4-Dinitrotoluene	10.110	165	188724	48.989	ng	95
58) Fluorene	10.475	166	611052	45.908	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	158711	44.229	ng	96
60) Diethylphthalate	10.345	149	659869	46.451	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	307503	45.748	ng	98
62) 4-Nitroaniline	10.486	138	117257	38.430	ng	95
63) Azobenzene	10.628	77	674261	44.770	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	53763	37.335	ng	92
66) n-Nitrosodiphenylamine	10.586	169	541631	51.261	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	184226	50.655	ng	98
68) Hexachlorobenzene	11.022	284	199455	48.763	ng	98
69) Atrazine	11.110	200	171458	59.904	ng	100
70) Pentachlorophenol	11.216	266	283978	114.396	ng	99
71) Phenanthrene	11.439	178	1132342	67.904	ng	100
72) Anthracene	11.492	178	892589	54.860	ng	100
73) Carbazole	11.639	167	787423	52.038	ng	100
74) Di-n-butylphthalate	11.975	149	945733	54.097	ng	99
75) Fluoranthene	12.627	202	1598865	94.844	ng	99
77) Benzidine	12.745	184	230497	46.054	ng	99
78) Pyrene	12.857	202	1620393	60.819	ng	99
80) Butylbenzylphthalate	13.474	149	437471	54.769	ng	98
81) Benzo(a)anthracene	14.045	228	1416631	71.497	ng	98
82) 3,3'-Dichlorobenzidine	14.010	252	171417	29.672	ng	99
83) Chrysene	14.086	228	1183999	65.173	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	653661	72.940	ng	100
85) Di-n-octyl phthalate	14.651	149	1168565	71.690	ng #	100
87) Indeno(1,2,3-cd)pyrene	17.033	276	825504	48.924	ng	96
88) Benzo(b)fluoranthene	15.104	252	1350871	84.551	ng	99
89) Benzo(k)fluoranthene	15.133	252	808305	58.663	ng	99
90) Benzo(a)pyrene	15.474	252	962129	73.186	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	583239	41.435	ng	98
92) Benzo(g,h,i)perylene	17.486	276	657238	46.745	ng	97

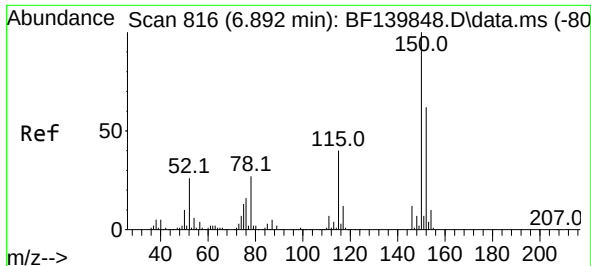
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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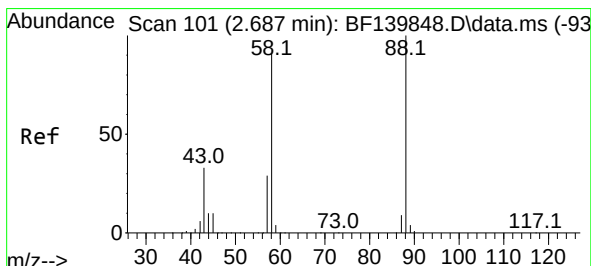
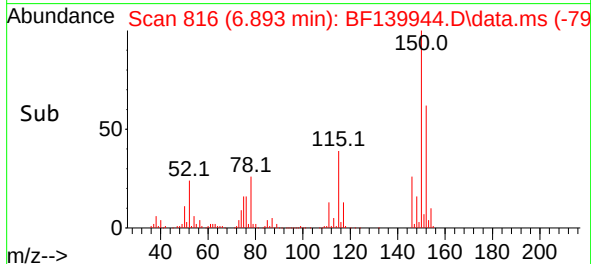
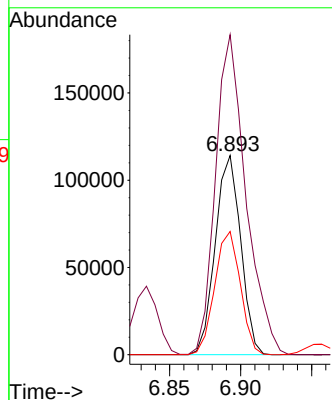
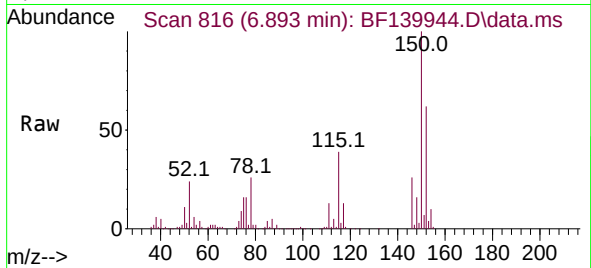




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: BF139944.D
 Acq: 22 Oct 2024 22:46

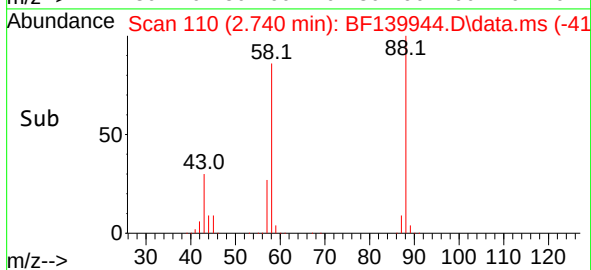
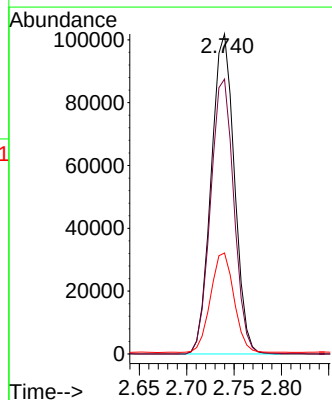
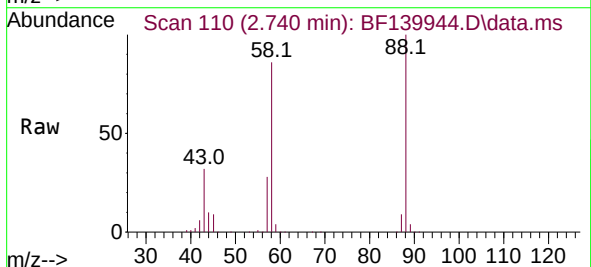
Instrument :
 BNA_F
 ClientSampleId :
 72-11934MSD

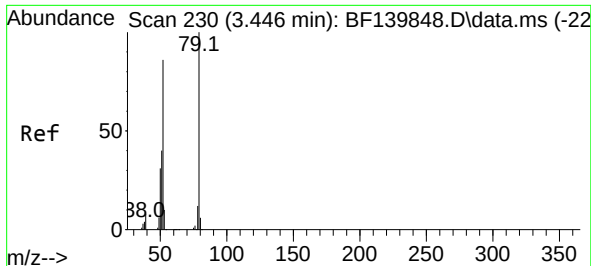
Tgt Ion:152 Resp: 142085
 Ion Ratio Lower Upper
 152 100
 150 160.6 130.2 195.2
 115 61.9 51.4 77.2



#2
 1,4-Dioxane
 Concen: 40.990 ng
 RT: 2.740 min Scan# 110
 Delta R.T. 0.053 min
 Lab File: BF139944.D
 Acq: 22 Oct 2024 22:46

Tgt Ion: 88 Resp: 173458
 Ion Ratio Lower Upper
 88 100
 58 86.4 73.3 109.9
 43 31.6 27.1 40.7





#3

Pyridine

Concen: 41.417 ng

RT: 3.499 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

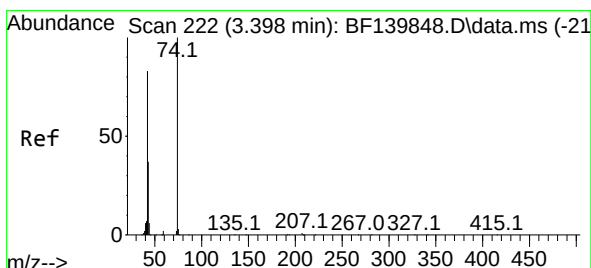
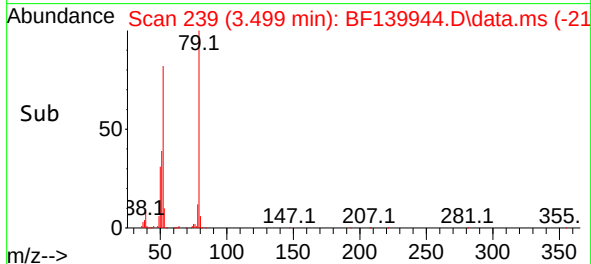
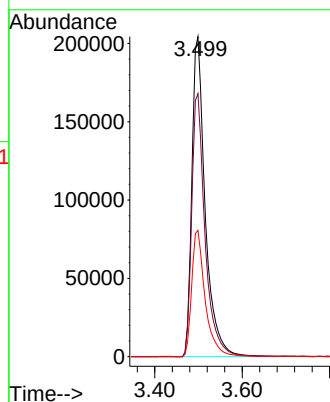
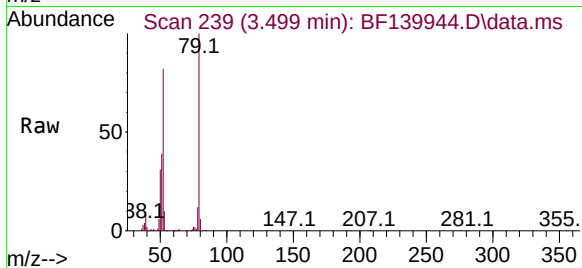
Tgt Ion: 79 Resp: 434423

Ion Ratio Lower Upper

79 100

52 82.2 68.5 102.7

51 39.4 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 43.113 ng

RT: 3.446 min Scan# 230

Delta R.T. 0.047 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

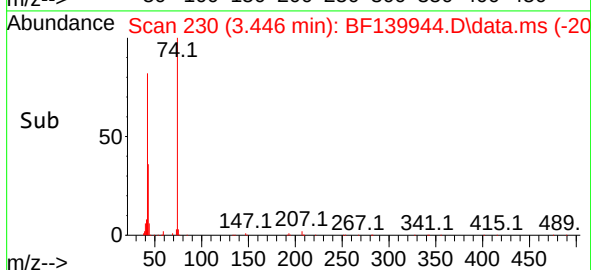
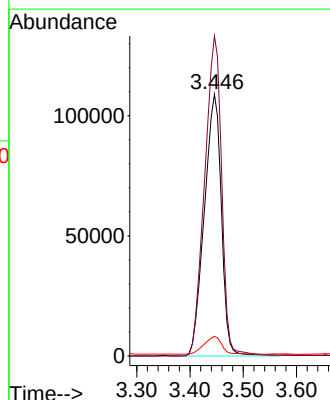
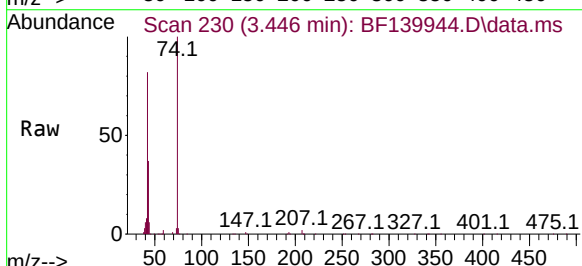
Tgt Ion: 42 Resp: 242965

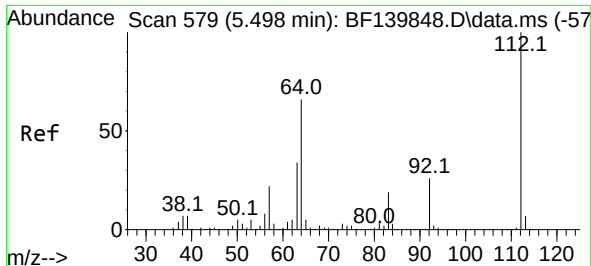
Ion Ratio Lower Upper

42 100

74 122.2 96.2 144.4

44 7.5 6.2 9.2

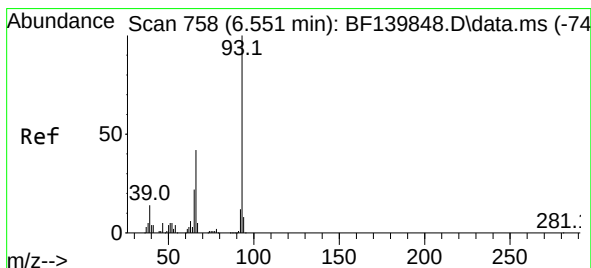
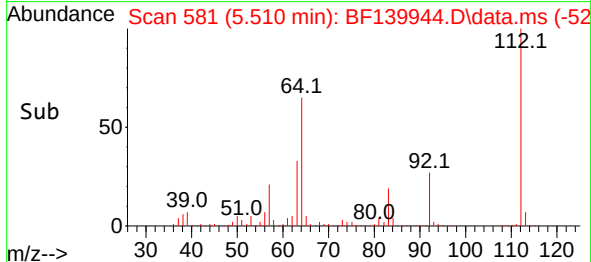
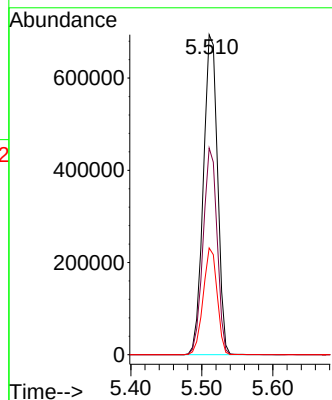
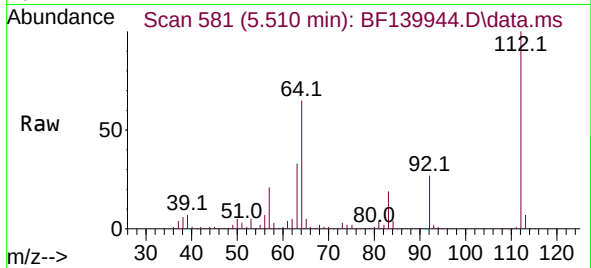




#5
2-Fluorophenol
Concen: 106.584 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

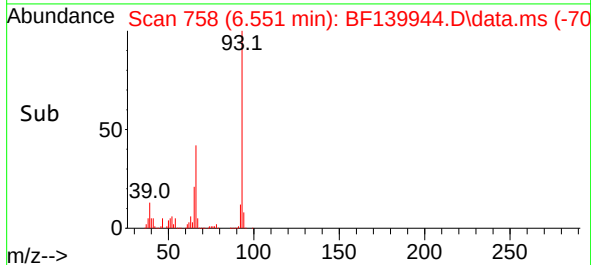
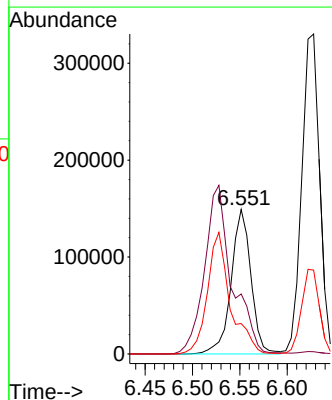
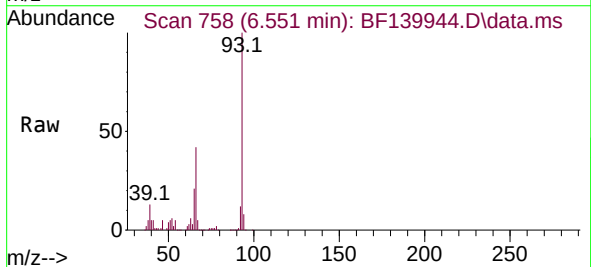
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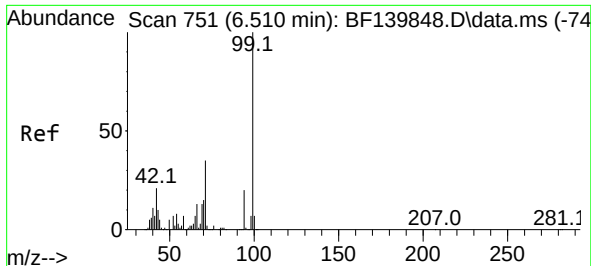
Tgt Ion:112 Resp: 967367
Ion Ratio Lower Upper
112 100
64 64.6 53.0 79.6
63 33.4 27.0 40.4



#6
Aniline
Concen: 19.820 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion: 93 Resp: 217141
Ion Ratio Lower Upper
93 100
66 41.6 34.0 51.0
65 21.0 17.4 26.0

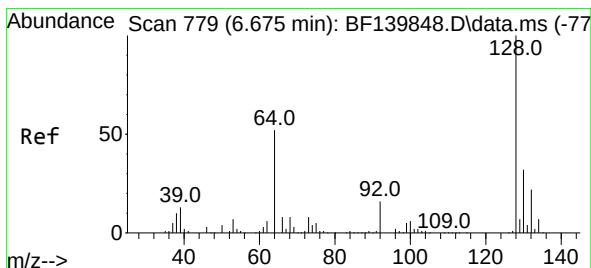
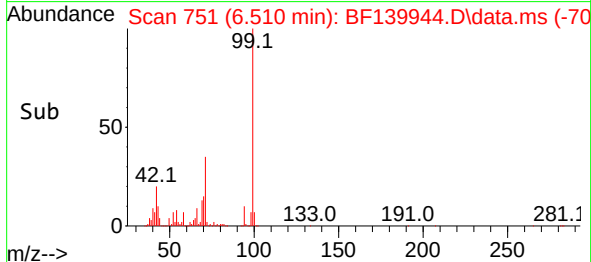
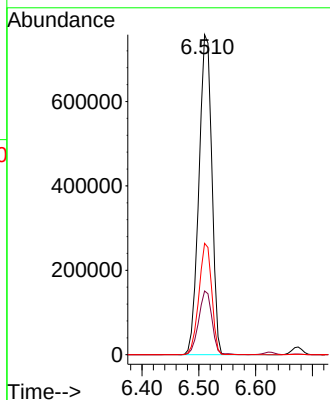
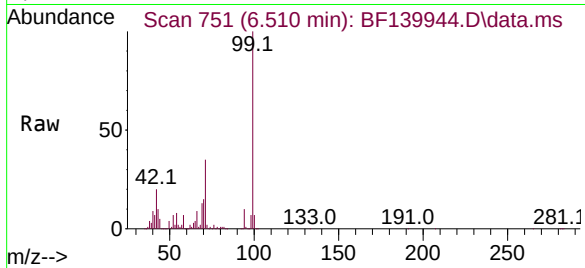




#7
Phenol-d6
Concen: 101.799 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

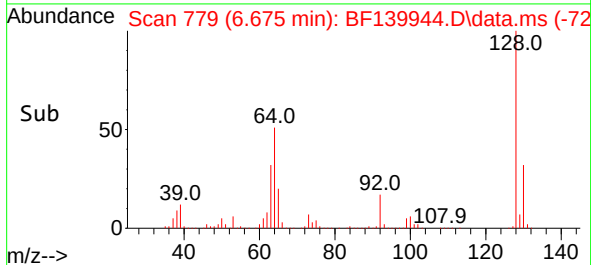
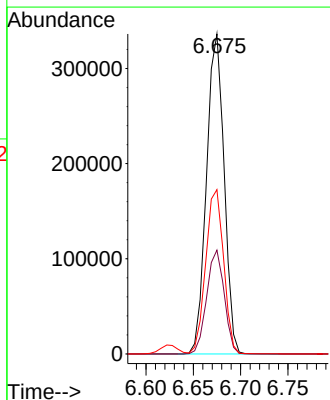
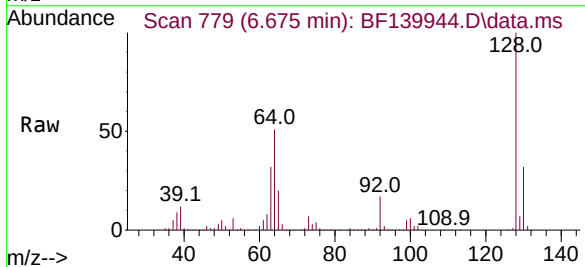
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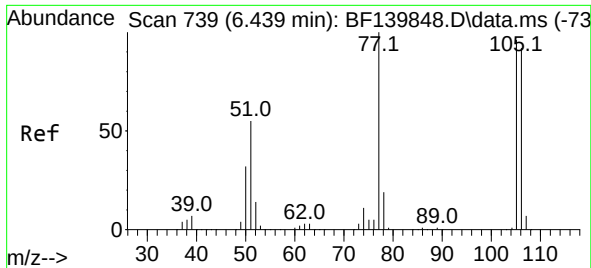
Tgt Ion: 99 Resp: 1196645
Ion Ratio Lower Upper
99 100
42 19.9 16.7 25.1
71 34.8 27.7 41.5



#8
2-Chlorophenol
Concen: 46.685 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion: 128 Resp: 433164
Ion Ratio Lower Upper
128 100
130 32.4 12.3 52.3
64 51.4 34.6 74.6

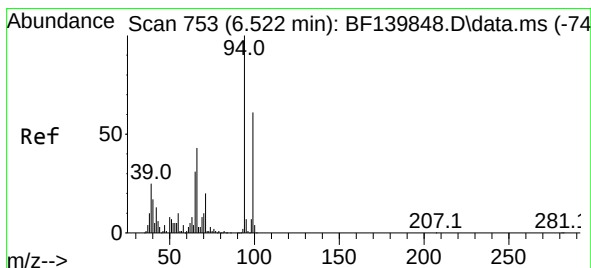
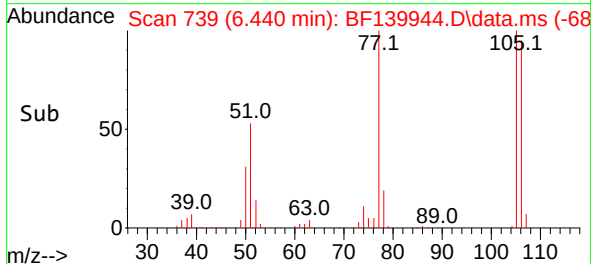
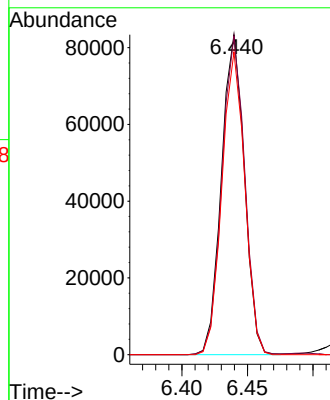
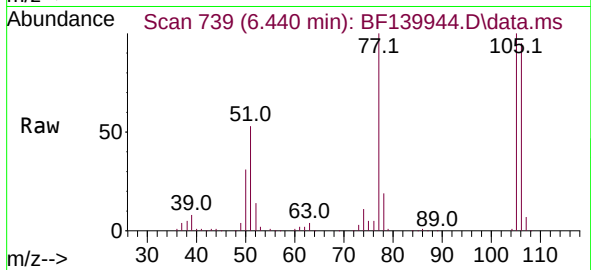




#9
Benzaldehyde
Concen: 15.309 ng
RT: 6.440 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF139944.D
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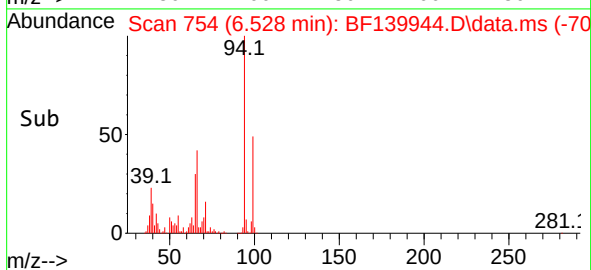
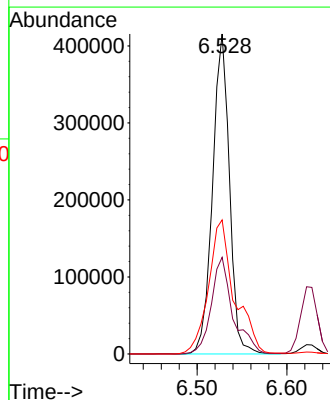
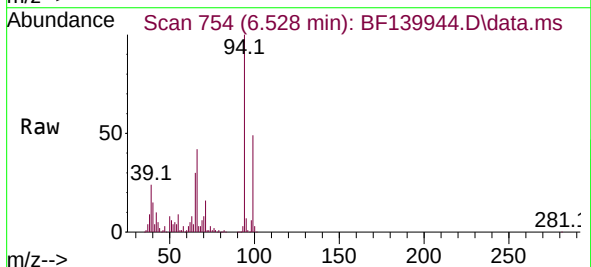
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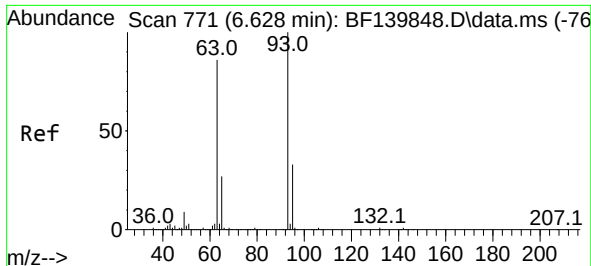
Tgt Ion: 77 Resp: 101234
Ion Ratio Lower Upper
77 100
105 99.5 75.5 115.5
106 94.6 71.7 111.7



#10
Phenol
Concen: 44.852 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
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Tgt Ion: 94 Resp: 543548
Ion Ratio Lower Upper
94 100
65 30.2 11.1 51.1
66 41.9 22.7 62.7





#11

bis(2-Chloroethyl)ether

Concen: 46.171 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

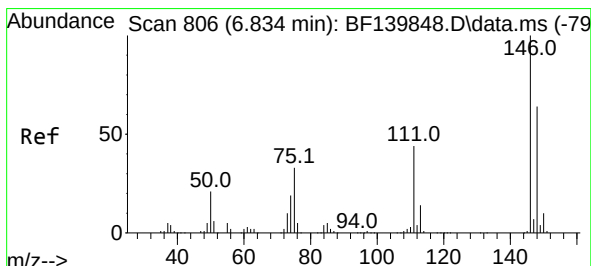
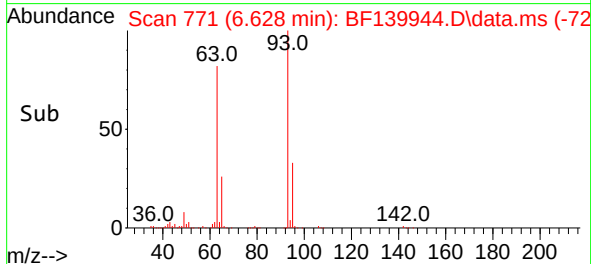
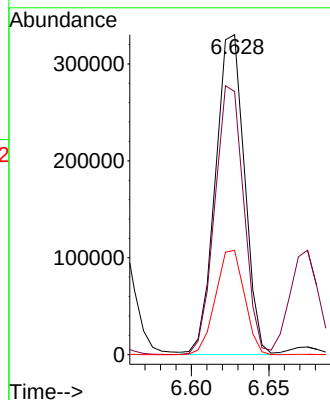
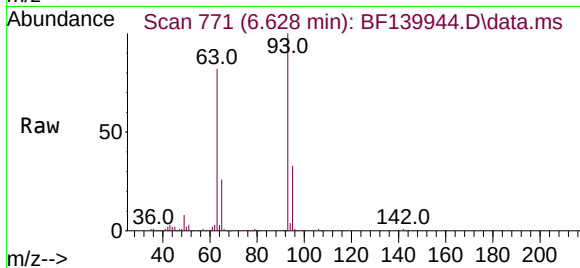
Tgt Ion: 93 Resp: 432481

Ion Ratio Lower Upper

93 100

63 82.2 65.0 105.0

95 32.6 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 44.094 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

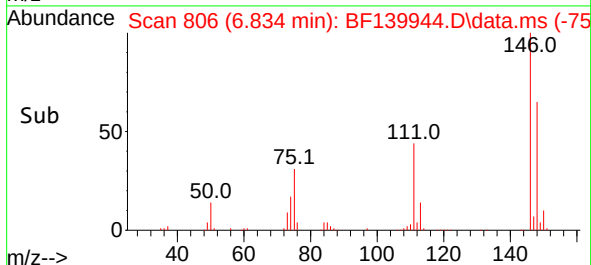
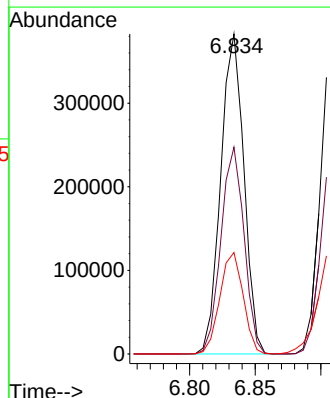
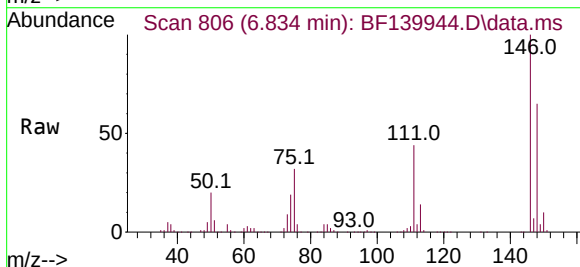
Tgt Ion:146 Resp: 469638

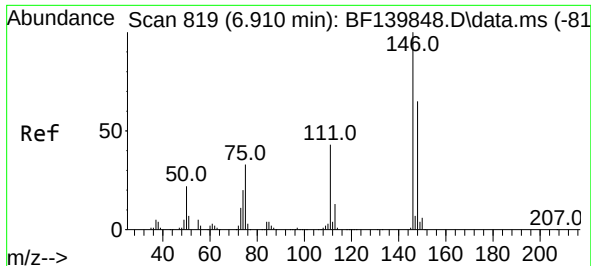
Ion Ratio Lower Upper

146 100

148 64.6 51.0 76.4

75 31.7 26.4 39.6

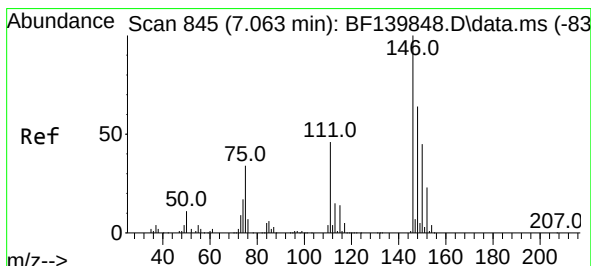
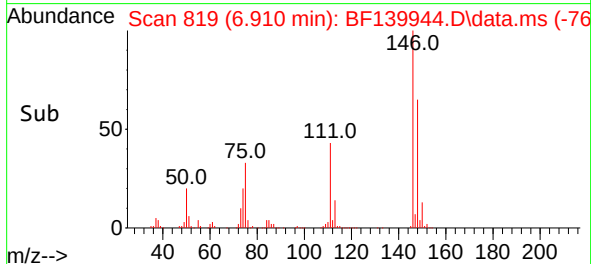
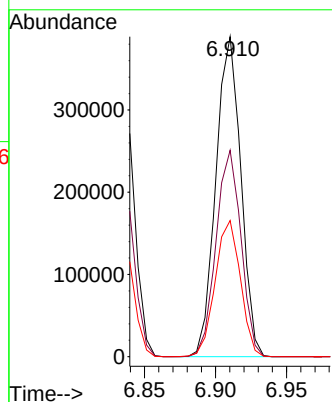
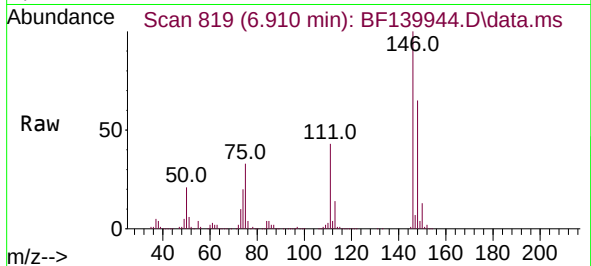




#13
1,4-Dichlorobenzene
Concen: 44.757 ng
RT: 6.910 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

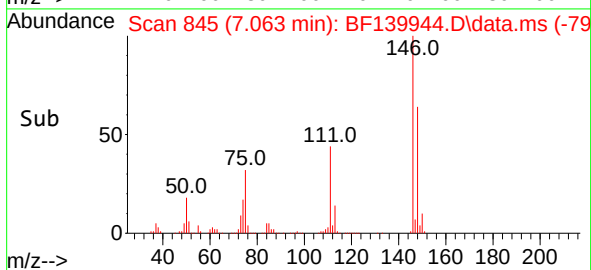
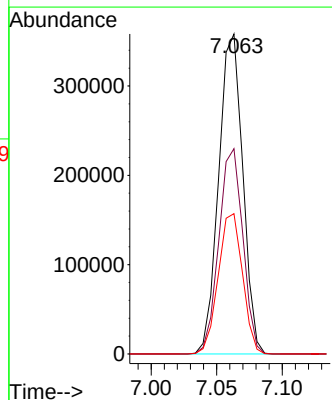
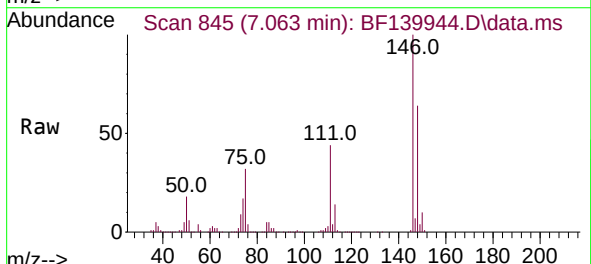
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

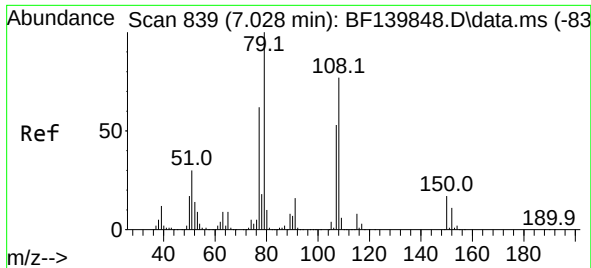
Tgt Ion:146 Resp: 476262
Ion Ratio Lower Upper
146 100
148 64.5 51.8 77.8
111 42.6 34.6 51.8



#14
1,2-Dichlorobenzene
Concen: 46.053 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:146 Resp: 457358
Ion Ratio Lower Upper
146 100
148 64.1 51.4 77.2
111 43.8 36.7 55.1

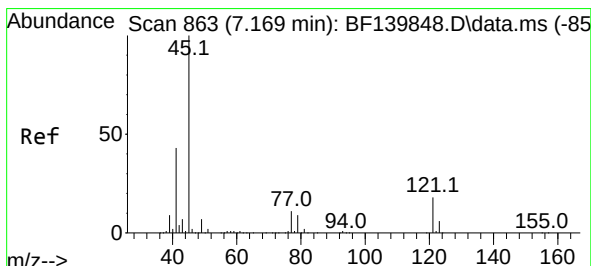
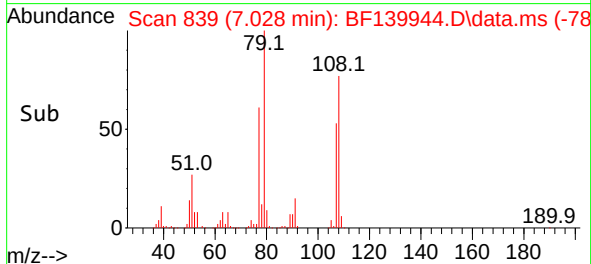
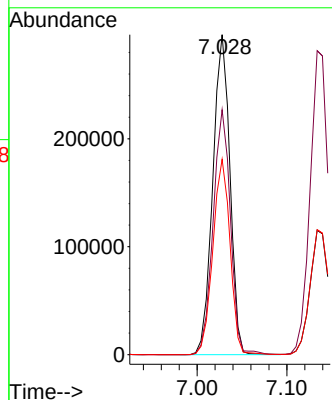
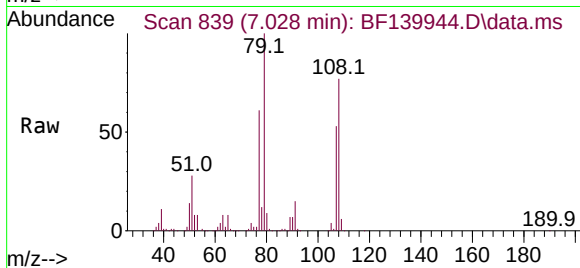




#15
Benzyl Alcohol
Concen: 45.585 ng
RT: 7.028 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

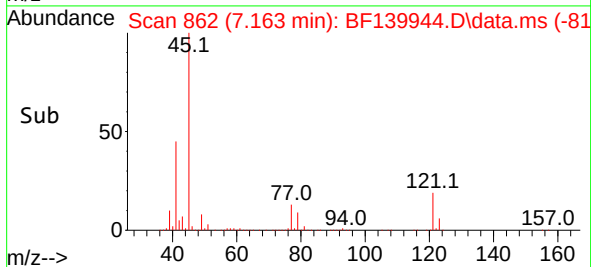
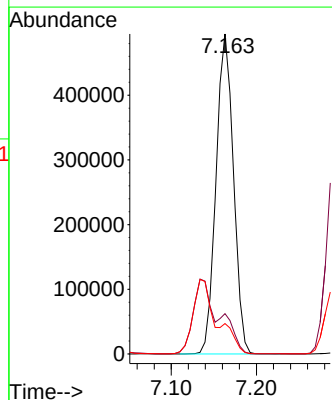
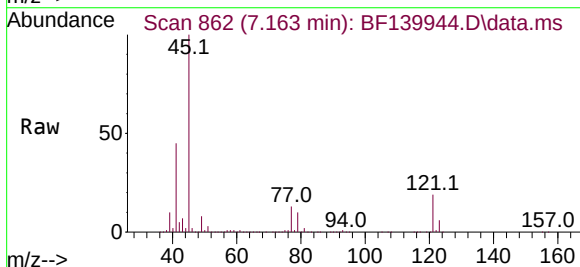
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

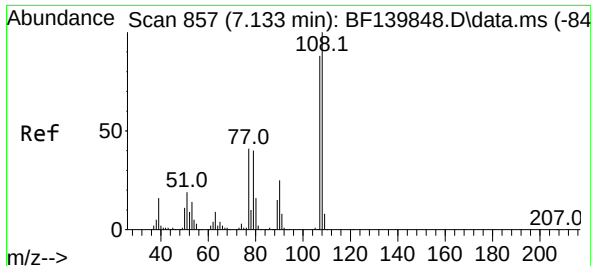
Tgt Ion: 79 Resp: 393066
Ion Ratio Lower Upper
79 100
108 76.5 61.4 92.0
77 61.1 49.9 74.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 44.006 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion: 45 Resp: 702854
Ion Ratio Lower Upper
45 100
77 12.6 0.0 31.5
79 9.5 0.0 29.1



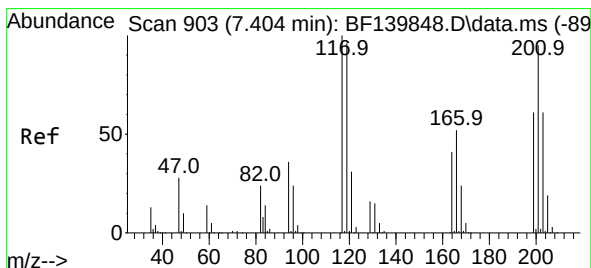
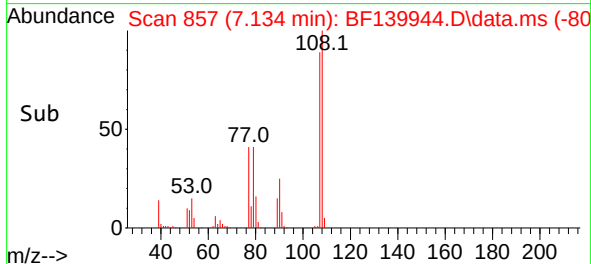
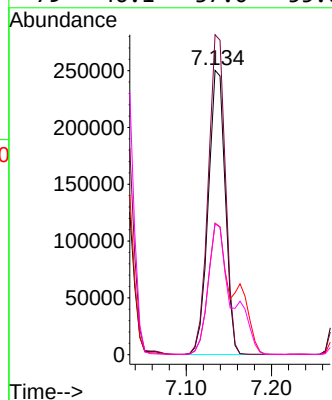
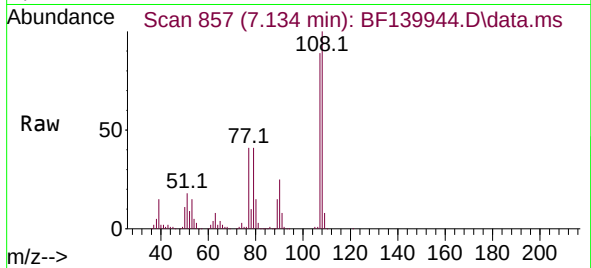


#17
2-Methylphenol
Concen: 43.739 ng
RT: 7.134 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Instrument :
BNA_F
ClientSampleId :
72-11934MSD

Tgt Ion:107 Resp: 346054

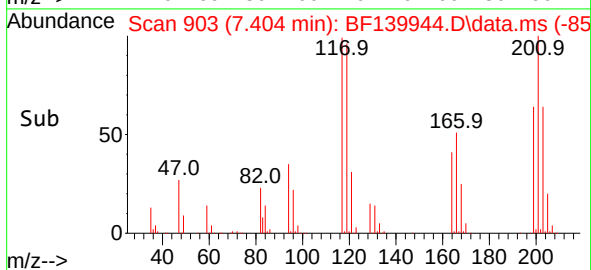
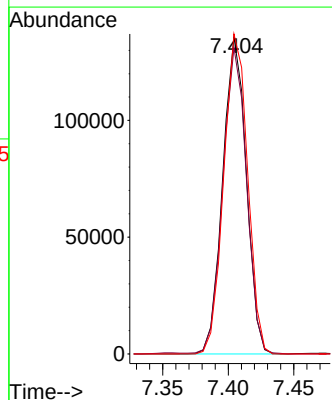
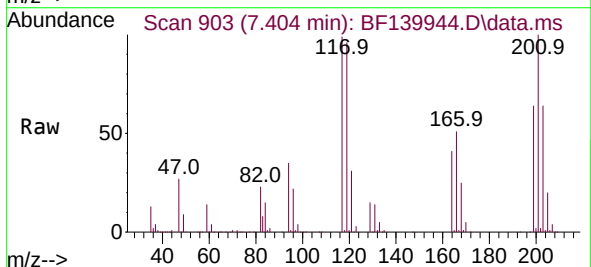
Ion	Ratio	Lower	Upper
107	100		
108	112.5	91.3	136.9
77	46.3	37.1	55.7
79	46.1	37.0	55.6

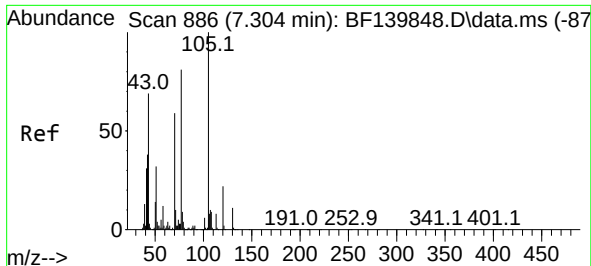


#18
Hexachloroethane
Concen: 44.621 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:117 Resp: 169320

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.4
201	100.8	76.2	114.4



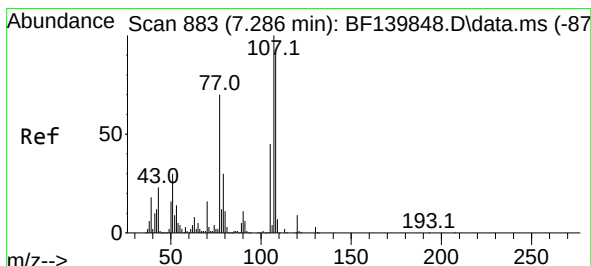
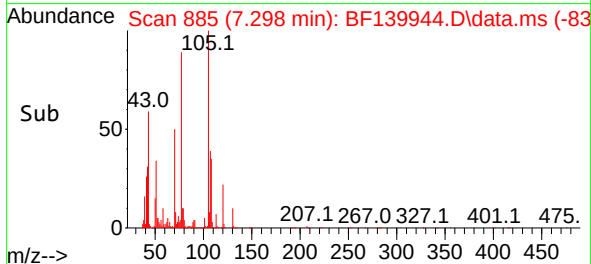
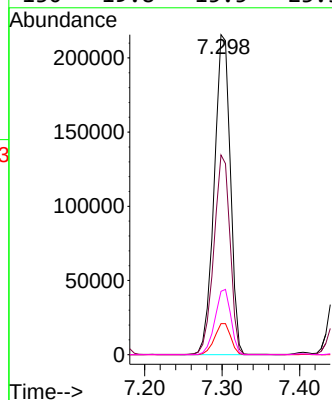
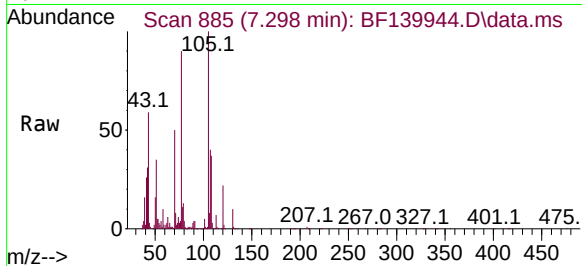


#19
n-Nitroso-di-n-propylamine
Concen: 43.697 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Instrument :
BNA_F
ClientSampleId :
72-11934MSD

Tgt Ion: 70 Resp: 311531

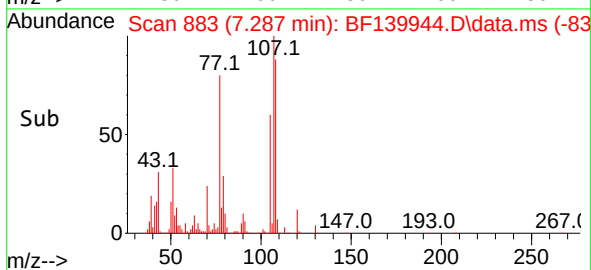
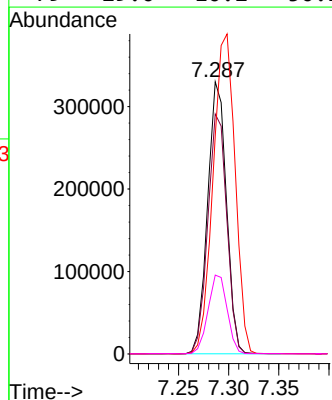
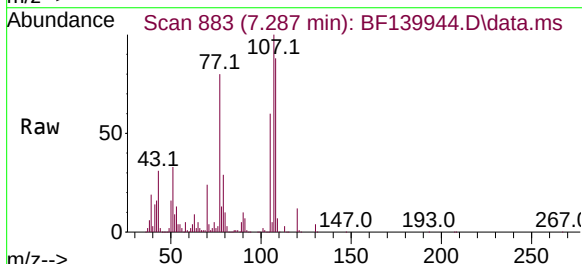
Ion	Ratio	Lower	Upper
70	100		
42	62.4	51.5	77.3
101	9.7	7.5	11.3
130	19.8	15.5	23.3

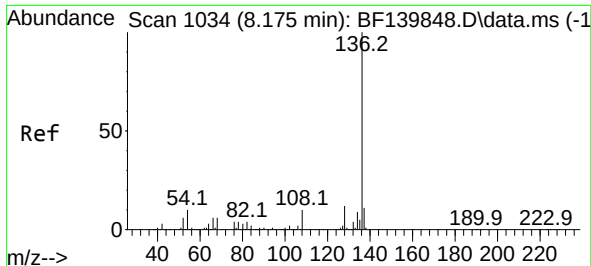


#20
3+4-Methylphenols
Concen: 42.549 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion: 107 Resp: 430586

Ion	Ratio	Lower	Upper
107	100		
108	88.2	69.8	109.8
77	80.1	50.5	90.5
79	29.0	10.2	50.2



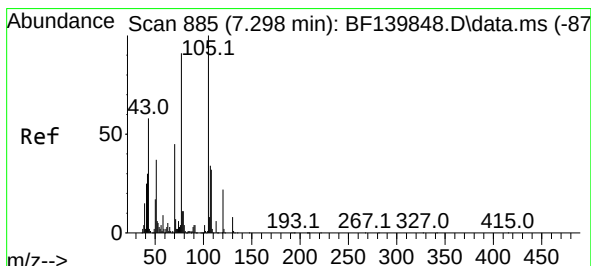
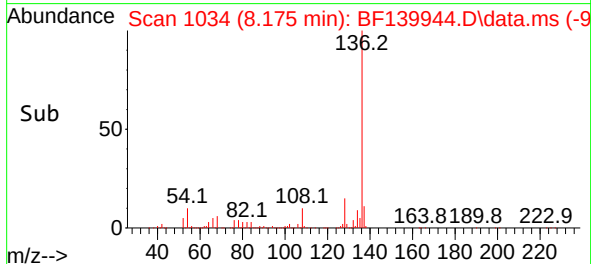
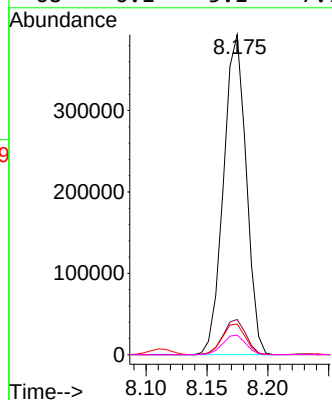
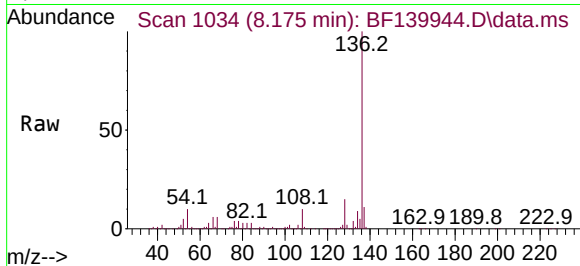


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Instrument :
BNA_F
ClientSampleId :
72-11934MSD

Tgt Ion:136 Resp: 509979

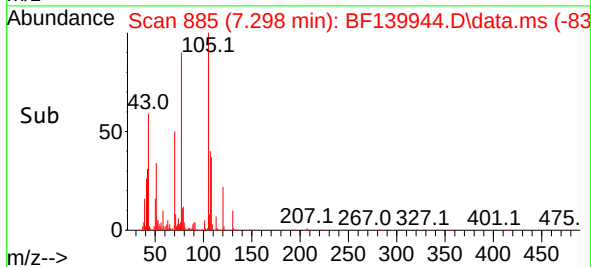
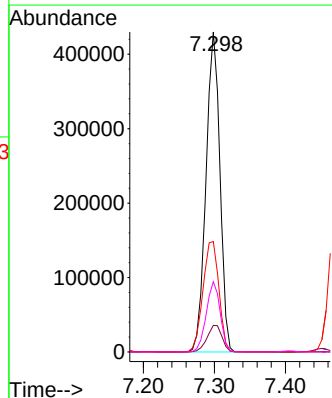
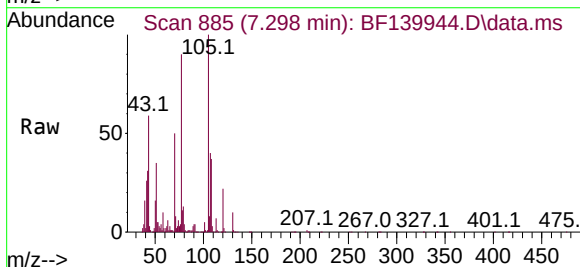
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.5	8.4	12.6
68	6.1	5.1	7.7

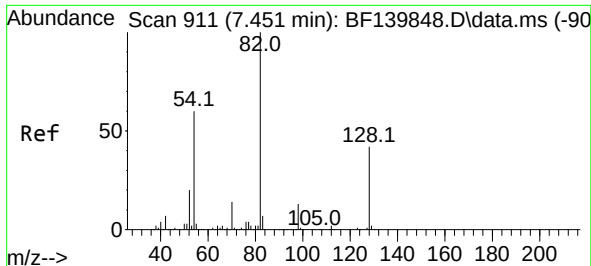


#22
Acetophenone
Concen: 46.961 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:105 Resp: 586595

Ion	Ratio	Lower	Upper
105	100		
71	8.3	5.9	8.9
51	34.5	29.4	44.2
120	22.0	17.5	26.3





#23

Nitrobenzene-d5

Concen: 82.880 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

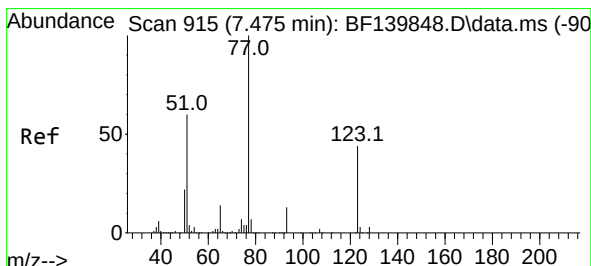
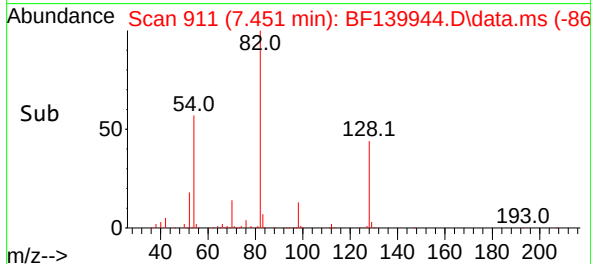
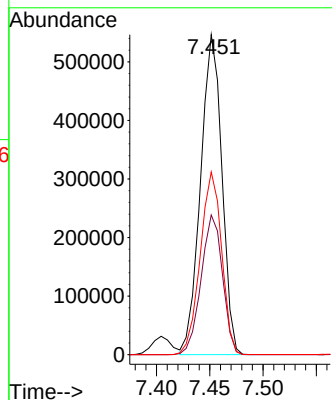
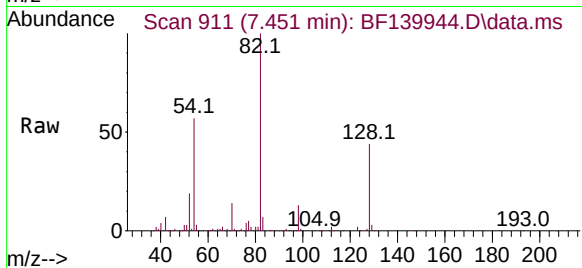
Tgt Ion: 82 Resp: 762620

Ion Ratio Lower Upper

82 100

128 43.7 33.4 50.0

54 57.1 47.8 71.8



#24

Nitrobenzene

Concen: 45.602 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

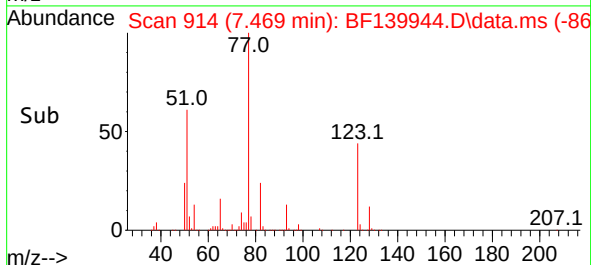
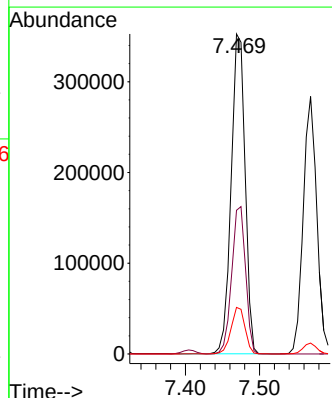
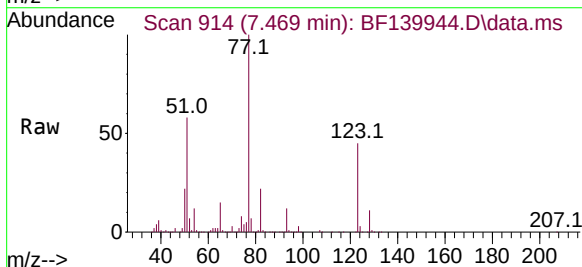
Tgt Ion: 77 Resp: 460055

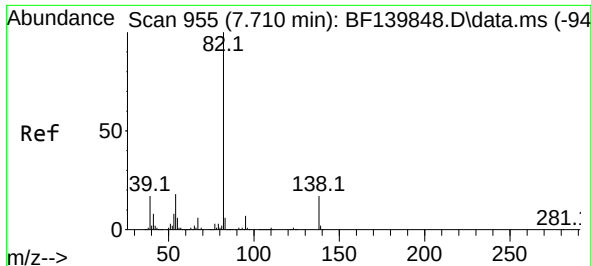
Ion Ratio Lower Upper

77 100

123 44.9 35.7 53.5

65 14.6 11.5 17.3

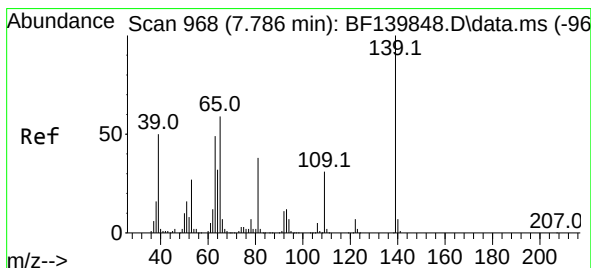
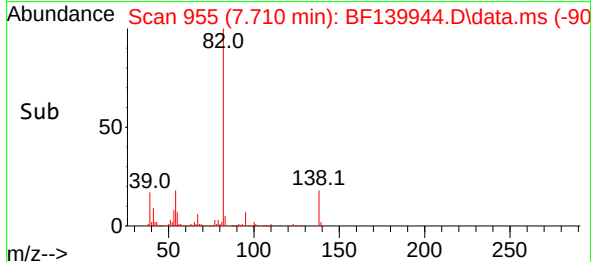
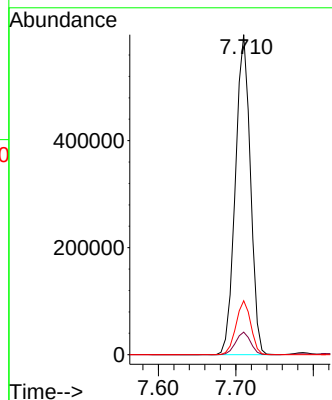
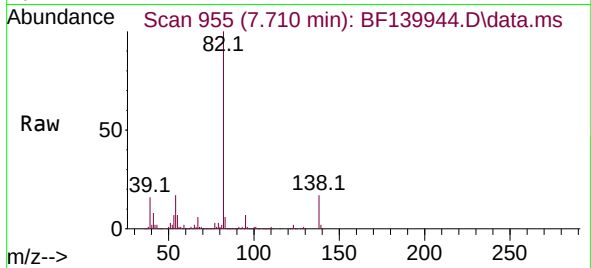




#25
Isophorone
Concen: 46.201 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

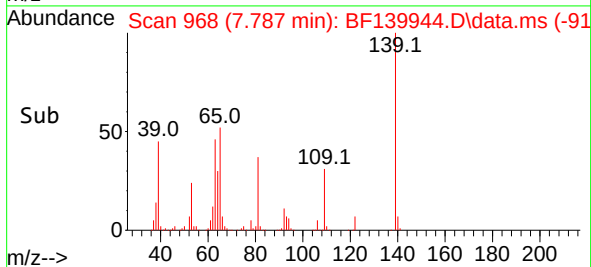
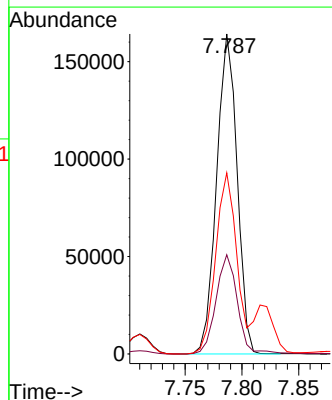
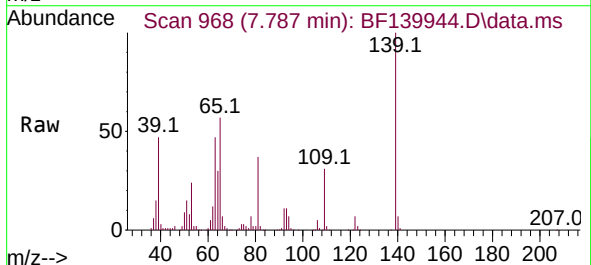
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

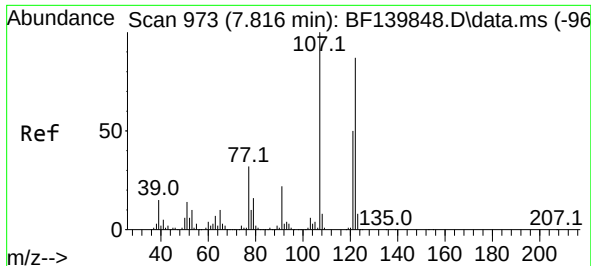
Tgt Ion: 82 Resp: 806873
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 16.8 13.2 19.8



#26
2-Nitrophenol
Concen: 54.165 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:139 Resp: 206146
Ion Ratio Lower Upper
139 100
109 31.0 25.1 37.7
65 56.6 47.5 71.3

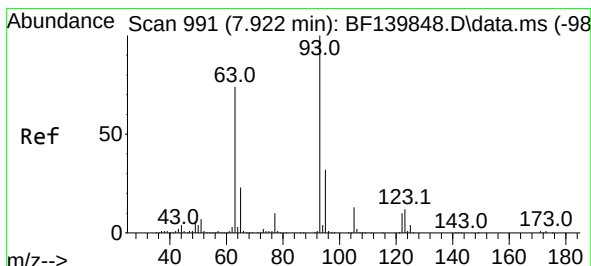
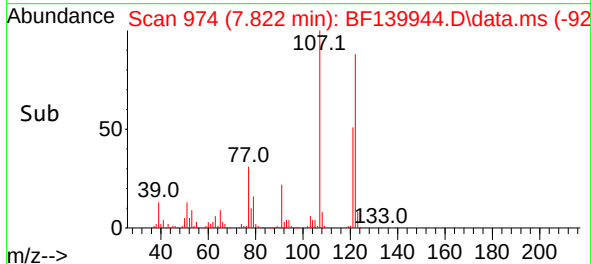
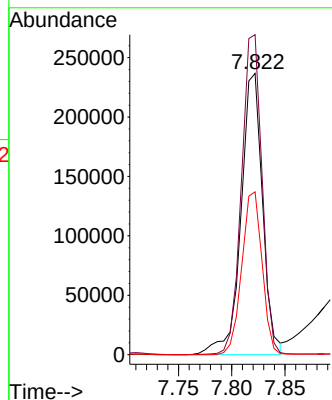
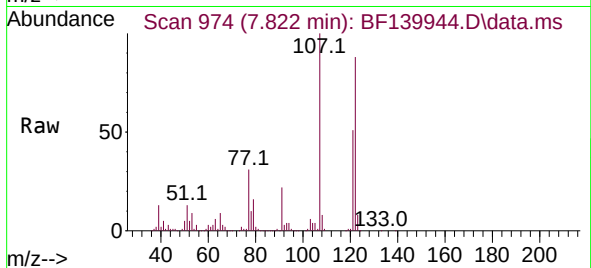




#27
2,4-Dimethylphenol
Concen: 52.745 ng
RT: 7.822 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

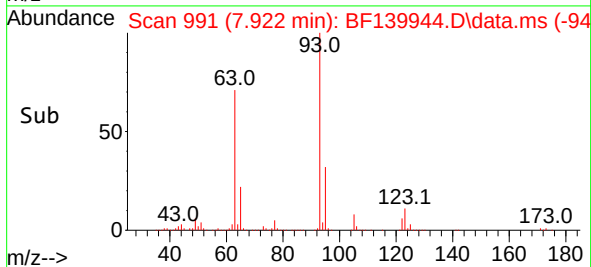
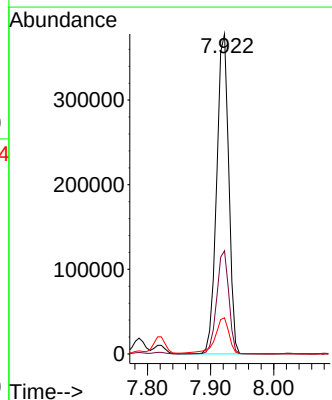
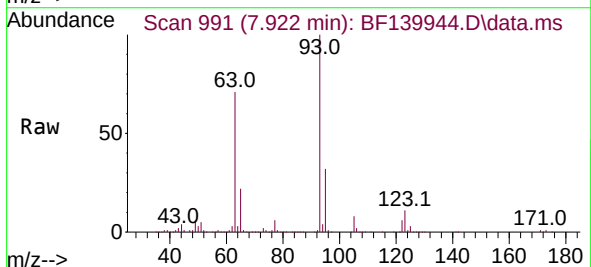
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

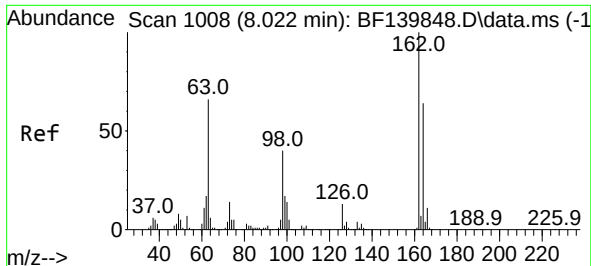
Tgt Ion:122 Resp: 334729
Ion Ratio Lower Upper
122 100
107 113.8 91.9 137.9
121 57.9 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 47.255 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion: 93 Resp: 500010
Ion Ratio Lower Upper
93 100
95 32.2 26.0 39.0
123 11.3 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 44.015 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

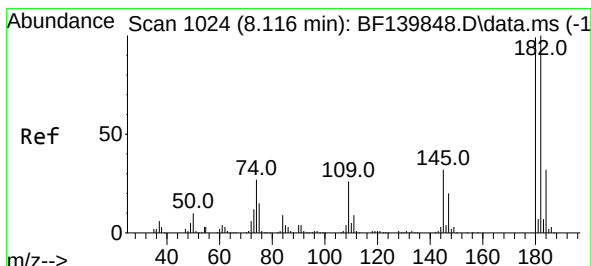
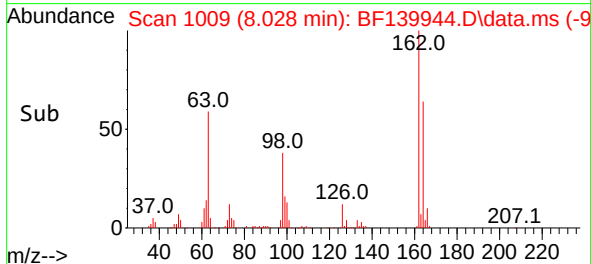
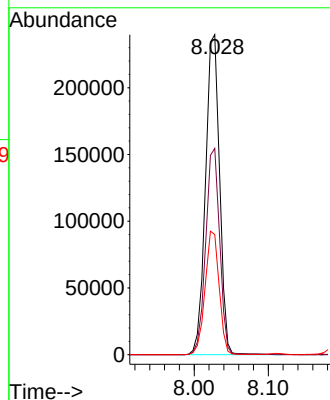
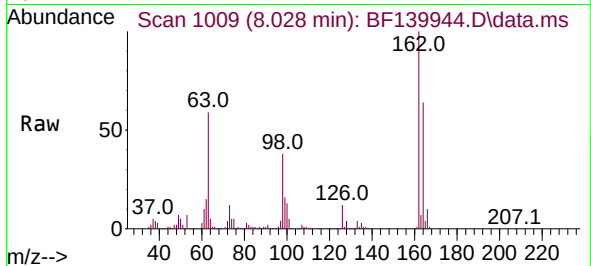
Tgt Ion:162 Resp: 318162

Ion Ratio Lower Upper

162 100

164 64.5 43.9 83.9

98 37.6 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 45.140 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

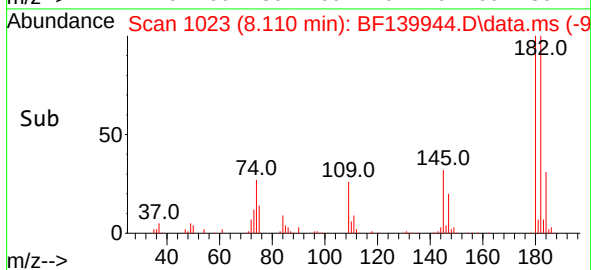
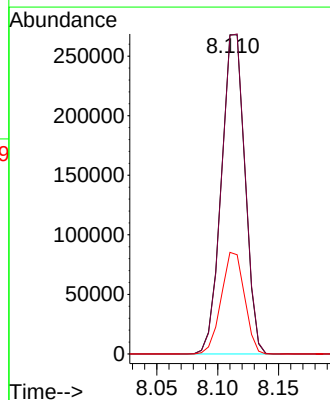
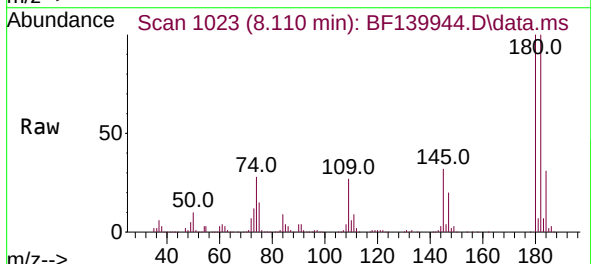
Tgt Ion:180 Resp: 361046

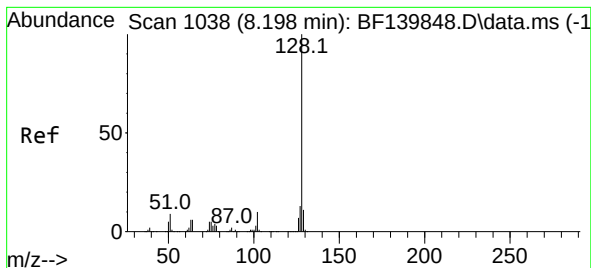
Ion Ratio Lower Upper

180 100

182 99.8 80.5 120.7

145 31.8 25.4 38.0





#31

Naphthalene

Concen: 45.602 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

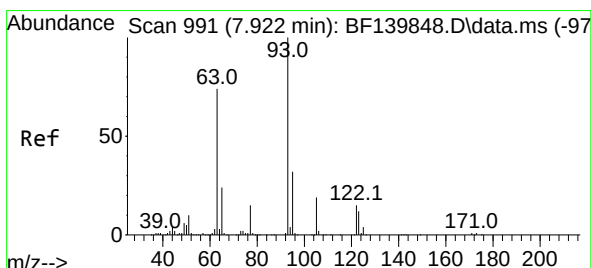
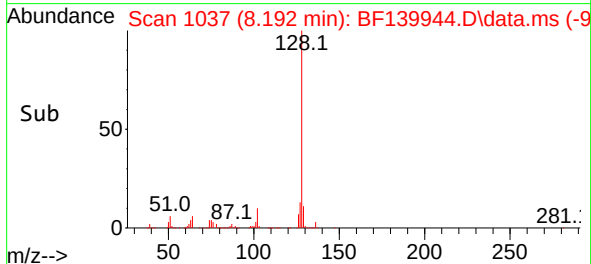
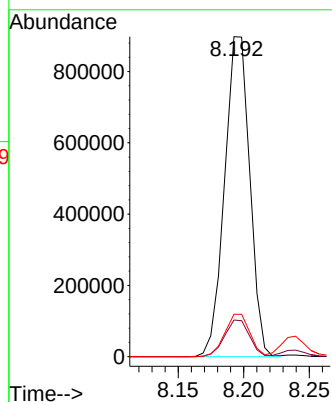
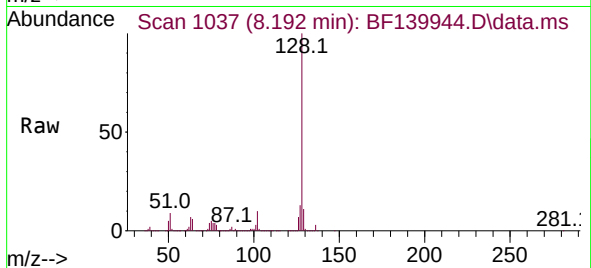
BNA_F

ClientSampleId :

72-11934MSD

Tgt Ion:128 Resp: 1199406

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.9	13.3
127	13.2	10.6	16.0



#32

Benzoic acid

Concen: 30.063 ng

RT: 7.904 min Scan# 988

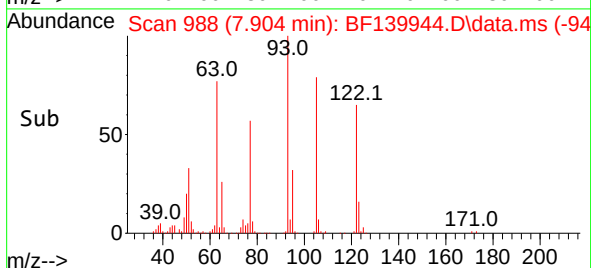
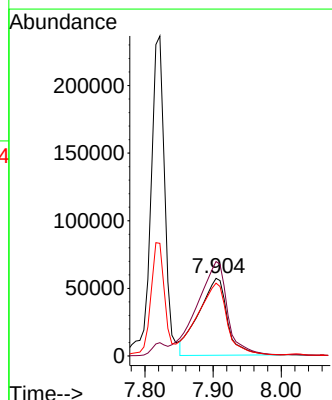
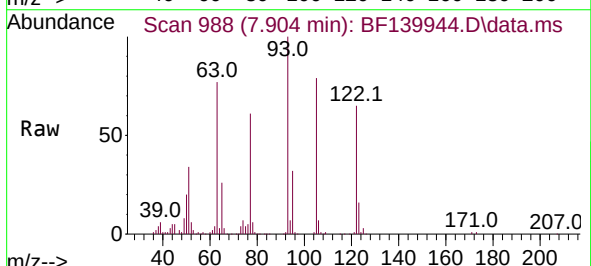
Delta R.T. -0.018 min

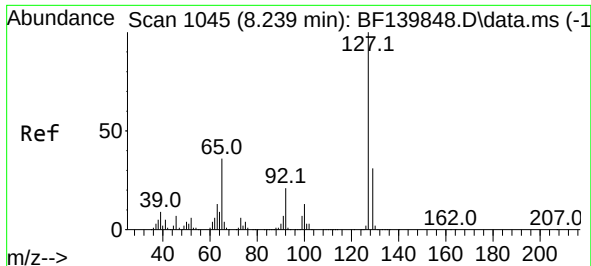
Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Tgt Ion:122 Resp: 166402

Ion	Ratio	Lower	Upper
122	100		
105	121.5	107.6	147.6
77	93.8	80.2	120.2

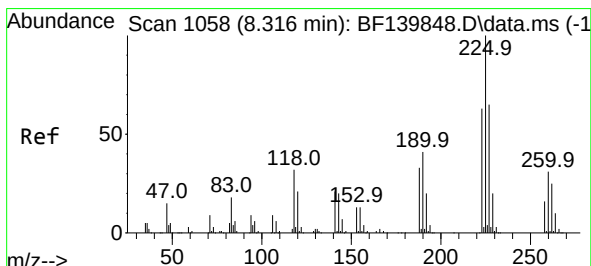
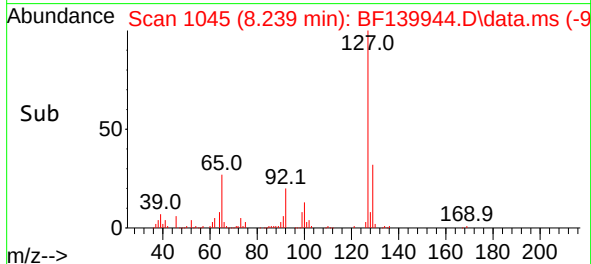
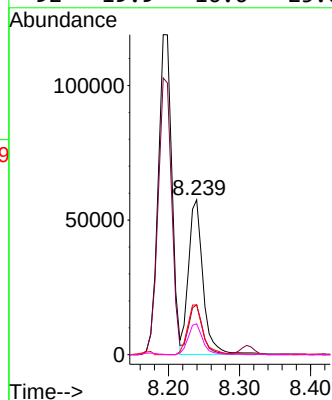
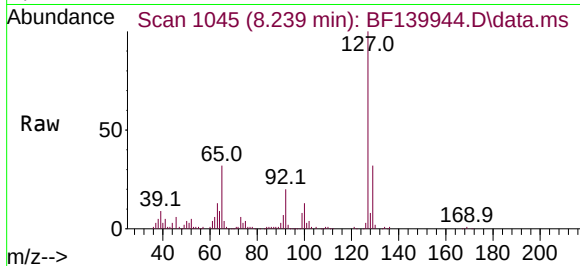




#33
4-Chloroaniline
Concen: 9.110 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

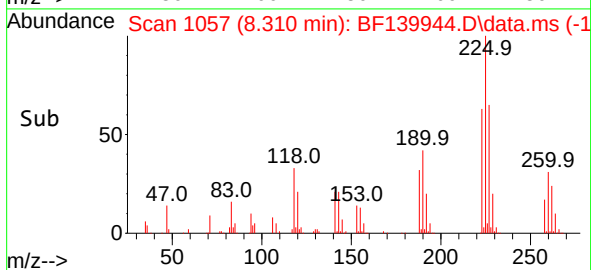
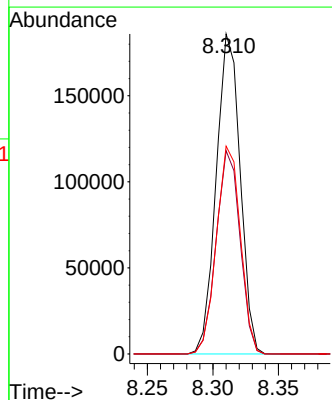
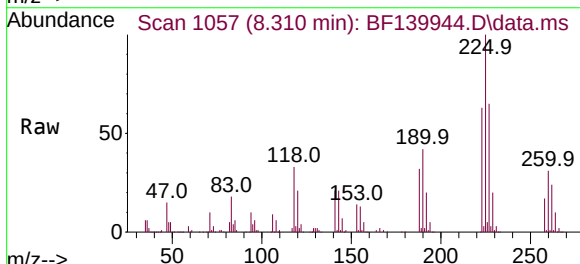
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

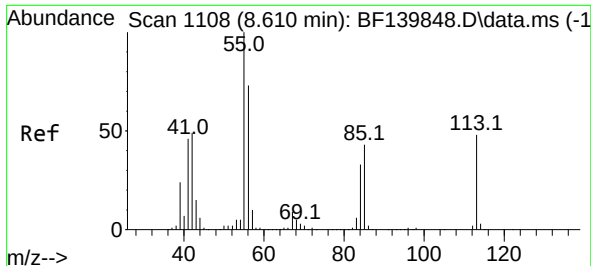
Tgt Ion:	127	Resp:	81703
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.2
65	32.2	28.4	42.6
92	19.9	16.6	25.0



#34
Hexachlorobutadiene
Concen: 46.912 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:	225	Resp:	235753
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.6	76.0
227	64.9	51.8	77.8

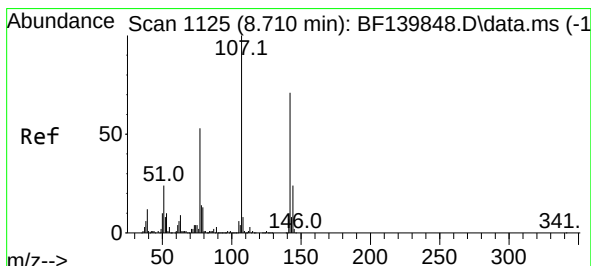
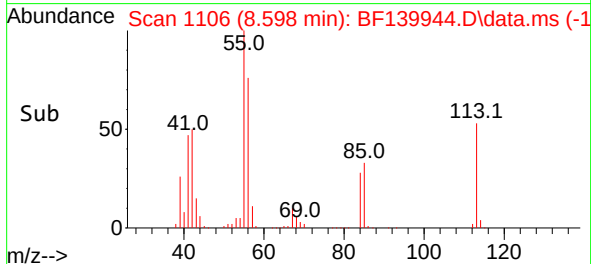
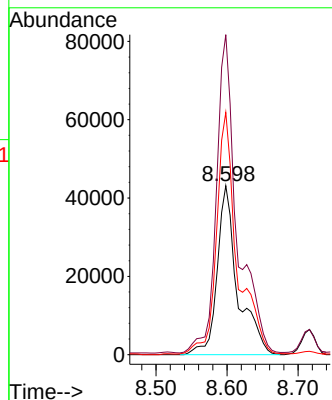
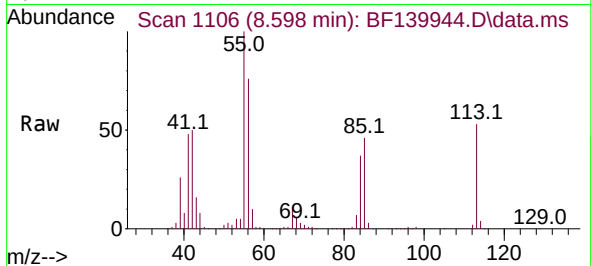




#35
 Caprolactam
 Concen: 37.600 ng
 RT: 8.598 min Scan# 1106
 Delta R.T. -0.012 min
 Lab File: BF139944.D
 Acq: 22 Oct 2024 22:46

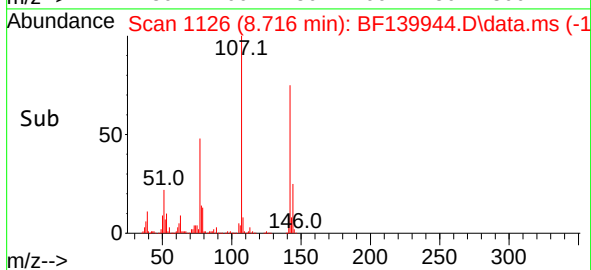
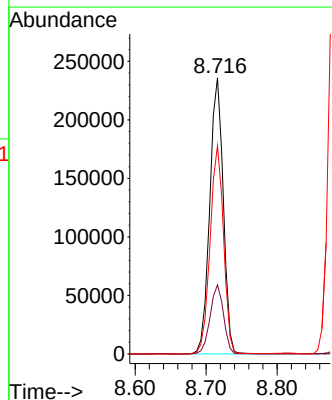
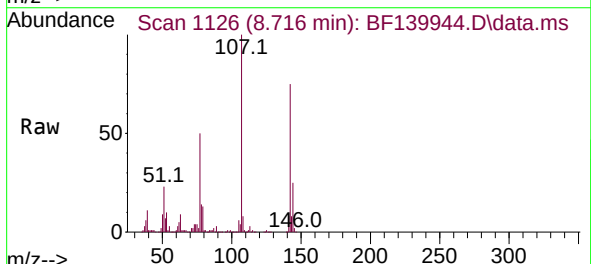
Instrument :
 BNA_F
 ClientSampleId :
 72-11934MSD

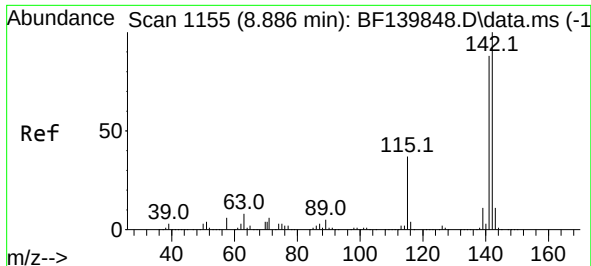
Tgt Ion:113 Resp: 86419
 Ion Ratio Lower Upper
 113 100
 55 189.4 189.2 229.2
 56 143.4 132.5 172.5



#36
 4-Chloro-3-methylphenol
 Concen: 39.051 ng
 RT: 8.716 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: BF139944.D
 Acq: 22 Oct 2024 22:46

Tgt Ion:107 Resp: 312561
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.1 28.7
 142 75.5 57.2 85.8





#37

2-Methylnaphthalene

Concen: 44.475 ng

RT: 8.887 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

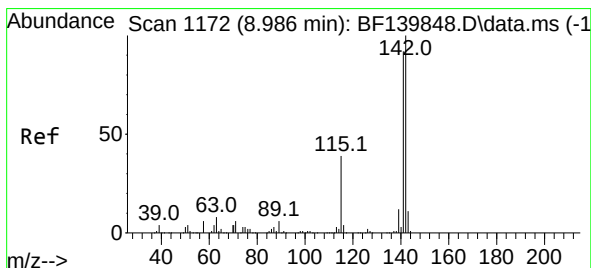
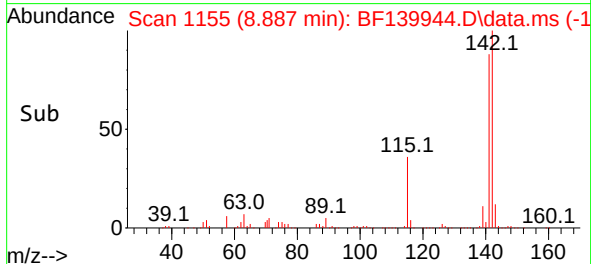
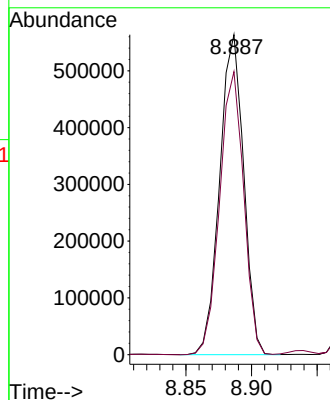
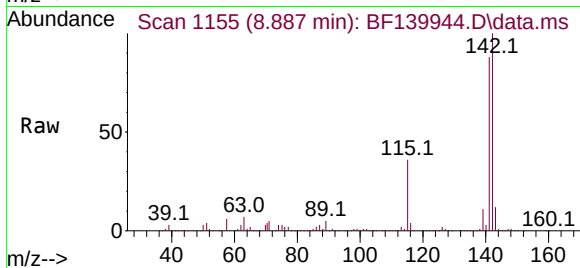
72-11934MSD

Tgt Ion:142 Resp: 716404

Ion Ratio Lower Upper

142 100

141 88.5 70.8 106.2



#38

1-Methylnaphthalene

Concen: 42.165 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139944.D

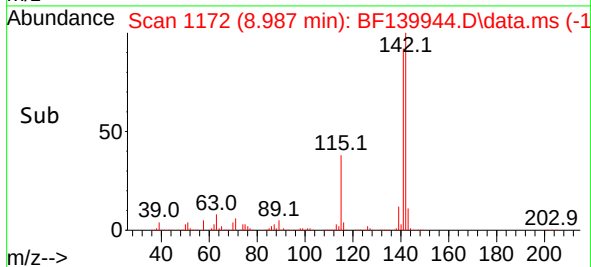
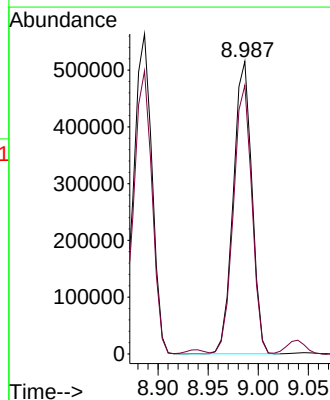
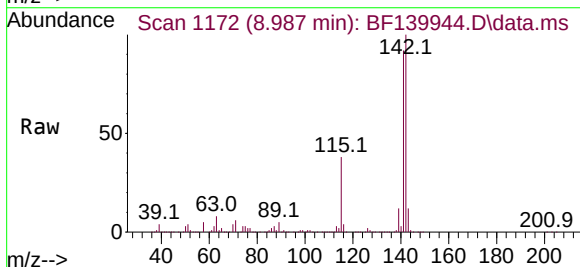
Acq: 22 Oct 2024 22:46

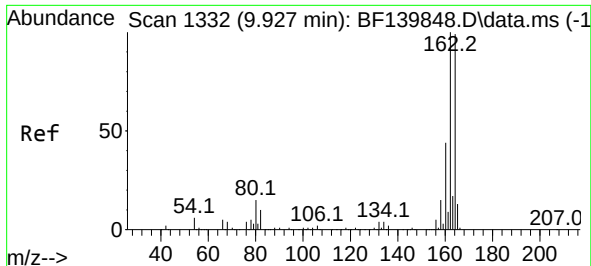
Tgt Ion:142 Resp: 666369

Ion Ratio Lower Upper

142 100

141 91.8 73.5 110.3

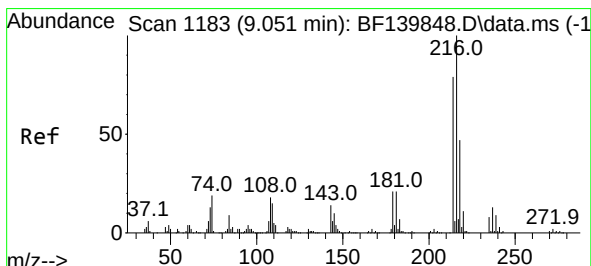
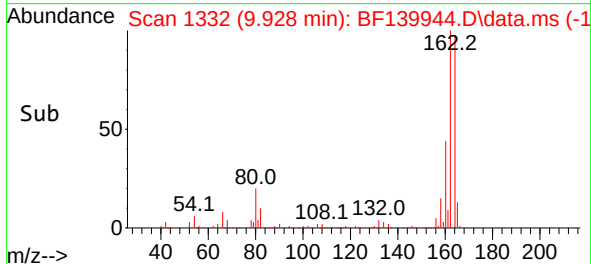
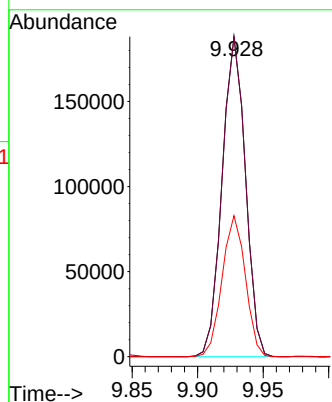
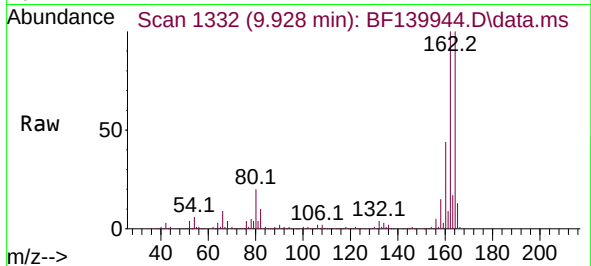




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1183
Delta R.T. 0.001 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

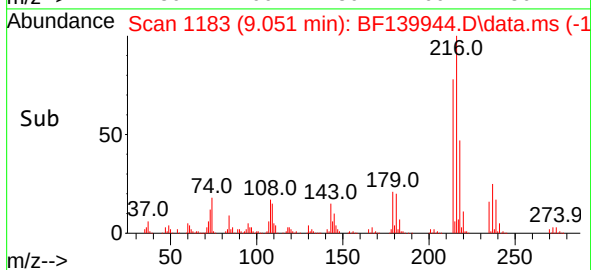
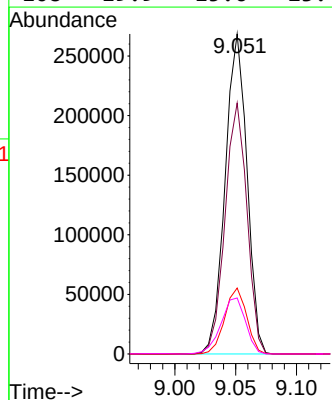
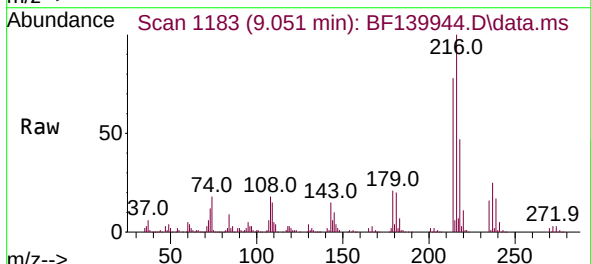
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

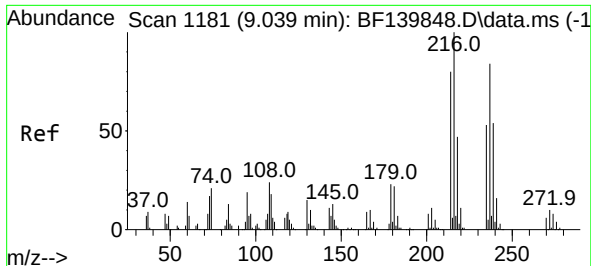
Tgt Ion:164 Resp: 232282
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 44.0 35.4 53.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.410 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

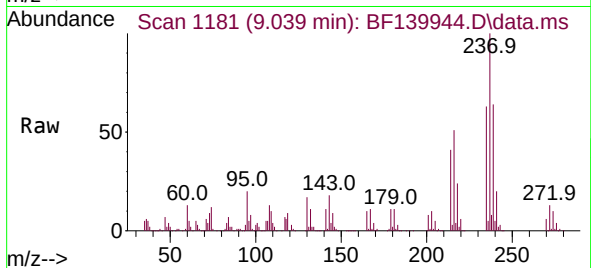
Tgt Ion:216 Resp: 334701
Ion Ratio Lower Upper
216 100
214 78.5 63.4 95.0
179 20.7 17.2 25.8
108 19.9 15.6 23.4



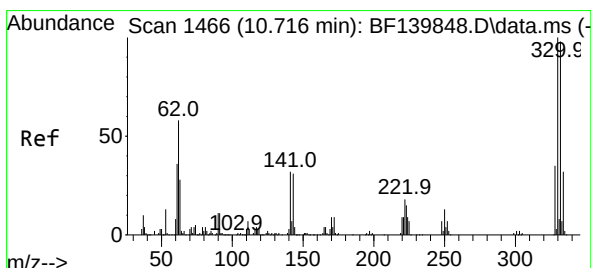
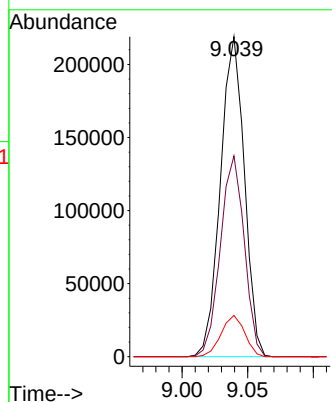
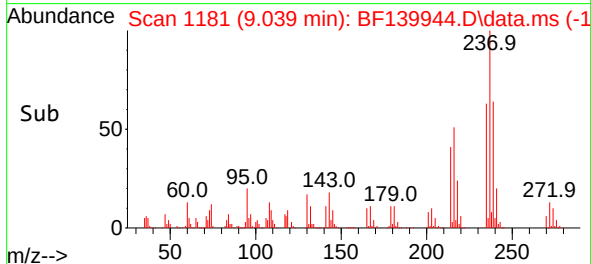


#41
Hexachlorocyclopentadiene
Concen: 127.276 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

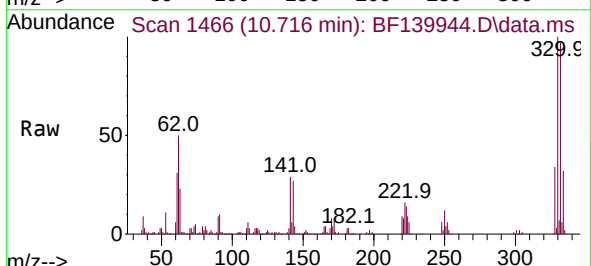
Instrument :
BNA_F
ClientSampleId :
72-11934MSD



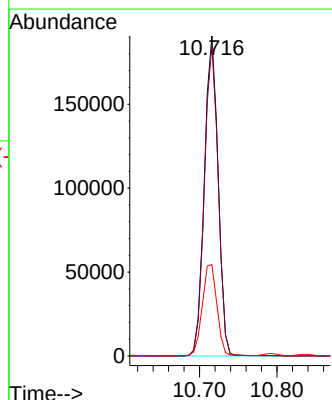
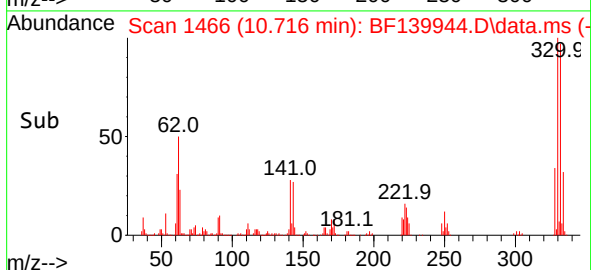
Tgt Ion:237 Resp: 277522
Ion Ratio Lower Upper
237 100
235 62.7 42.9 82.9
272 12.9 0.0 32.3

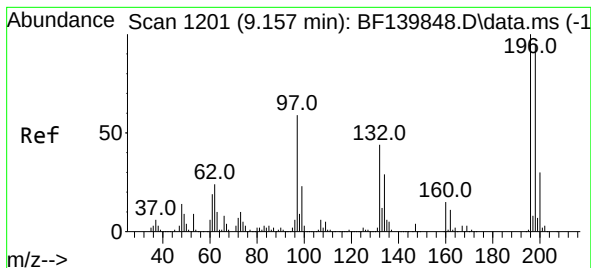


#42
2,4,6-Tribromophenol
Concen: 108.204 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46



Tgt Ion:330 Resp: 235094
Ion Ratio Lower Upper
330 100
332 97.1 78.1 117.1
141 30.2 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 49.391 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

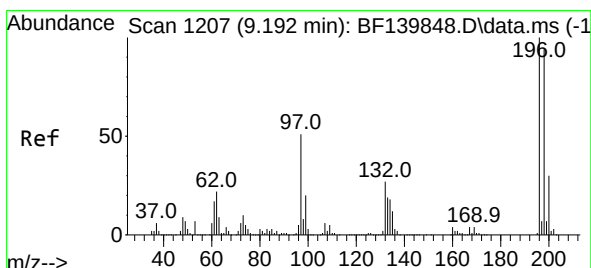
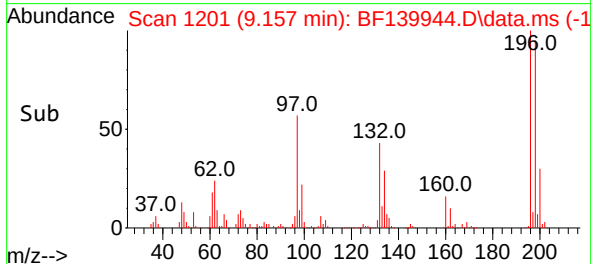
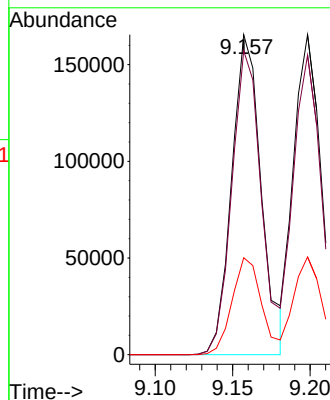
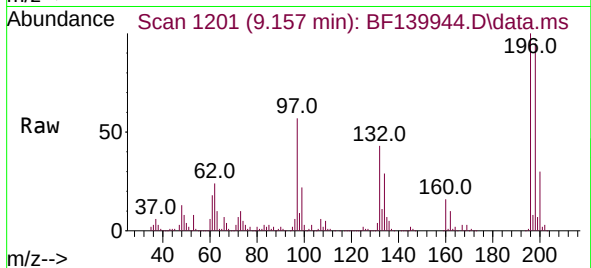
Tgt Ion:196 Resp: 219132

Ion Ratio Lower Upper

196 100

198 95.0 76.2 114.2

200 30.3 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 44.364 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Tgt Ion:196 Resp: 203073

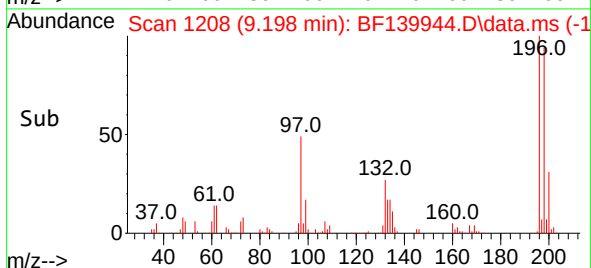
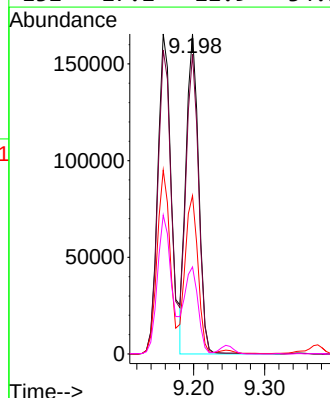
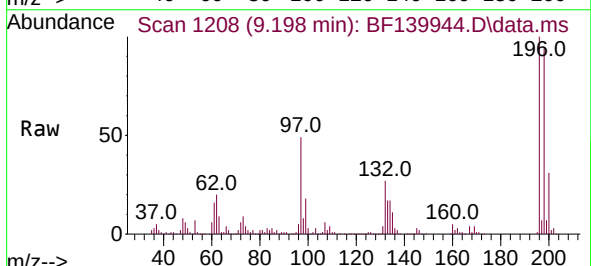
Ion Ratio Lower Upper

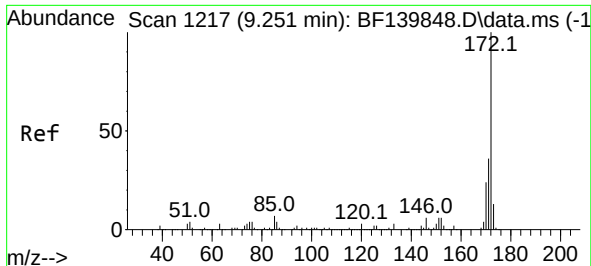
196 100

198 93.6 75.8 113.6

97 49.5 41.8 62.6

132 27.2 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 87.731 ng

RT: 9.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

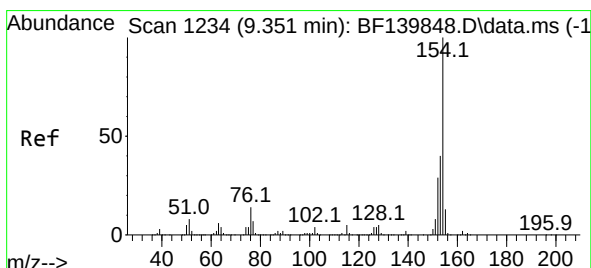
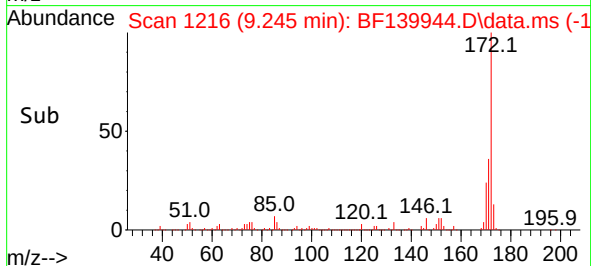
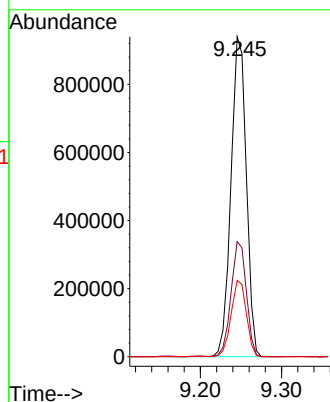
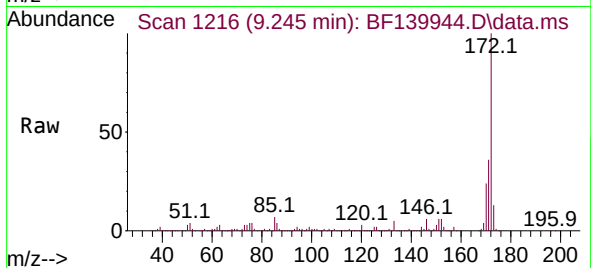
Tgt Ion:172 Resp: 1233039

Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

170 23.8 19.1 28.7



#46

1,1'-Biphenyl

Concen: 51.385 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

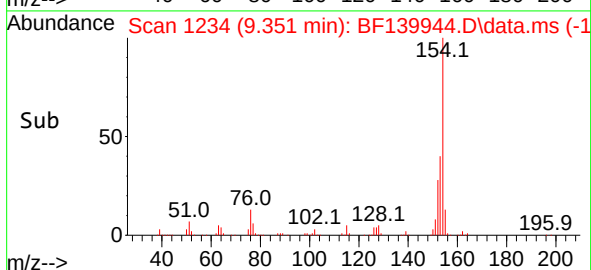
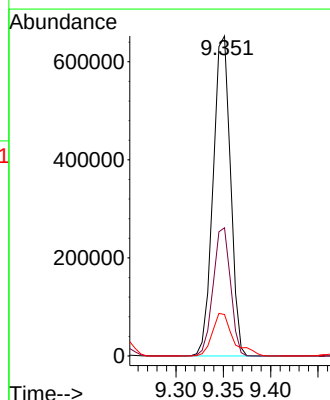
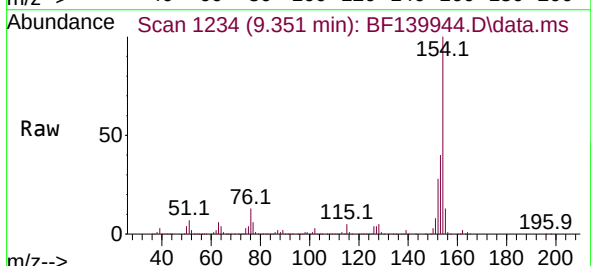
Tgt Ion:154 Resp: 830900

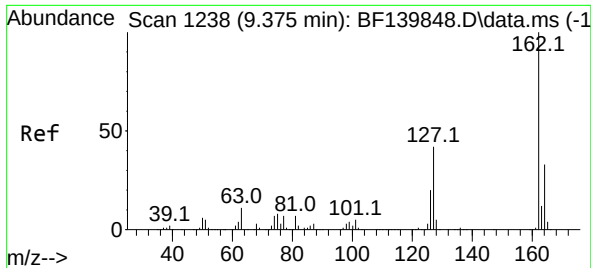
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 12.9 0.0 33.9

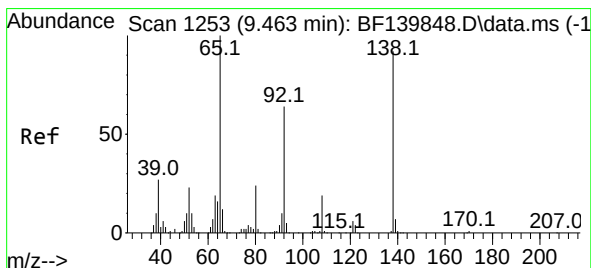
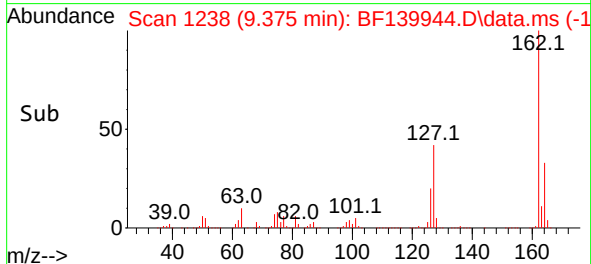
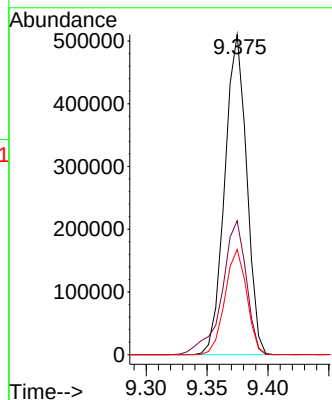
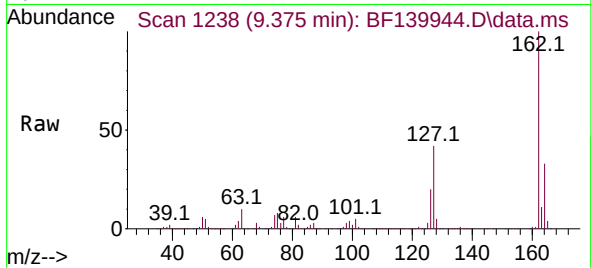




#47
2-Chloronaphthalene
Concen: 49.070 ng
RT: 9.375 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

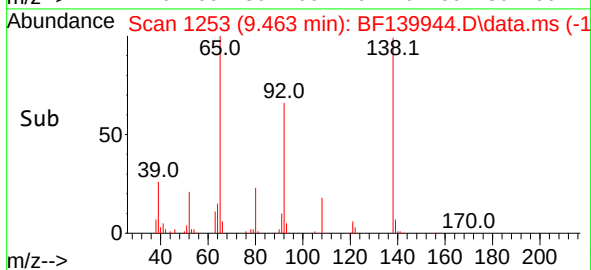
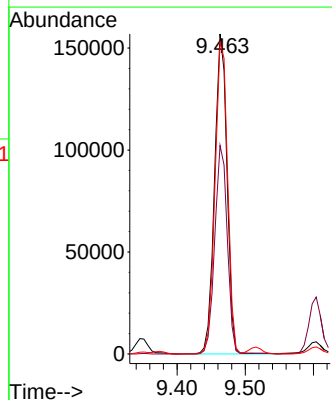
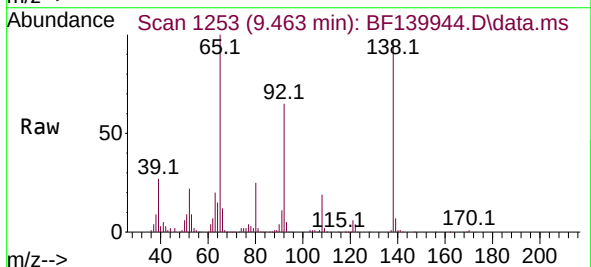
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

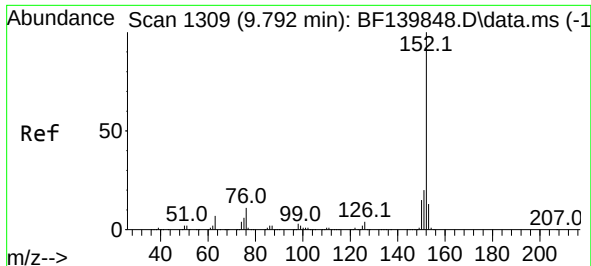
Tgt Ion:162 Resp: 639075
Ion Ratio Lower Upper
162 100
127 41.9 33.8 50.6
164 32.8 26.6 39.8



#48
2-Nitroaniline
Concen: 50.301 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion: 65 Resp: 200362
Ion Ratio Lower Upper
65 100
92 65.2 50.9 76.3
138 97.5 73.4 110.0





#49

Acenaphthylene

Concen: 51.715 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

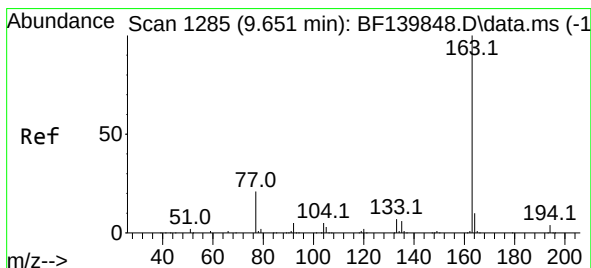
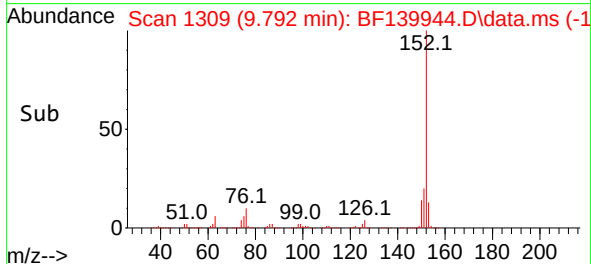
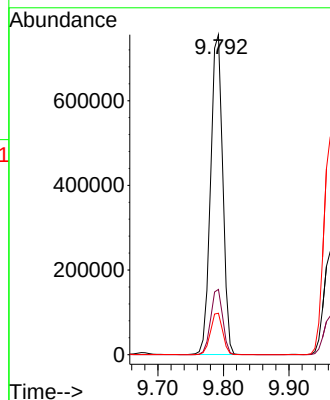
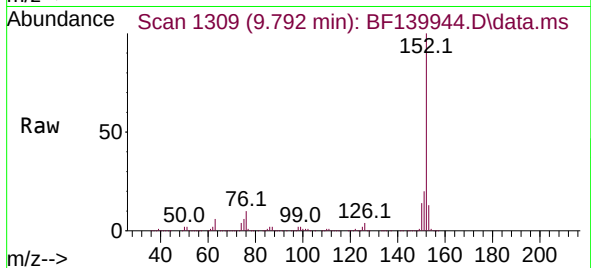
Tgt Ion:152 Resp: 973712

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

153 13.0 10.7 16.1



#50

Dimethylphthalate

Concen: 50.235 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

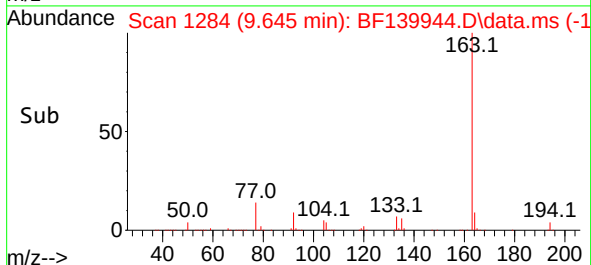
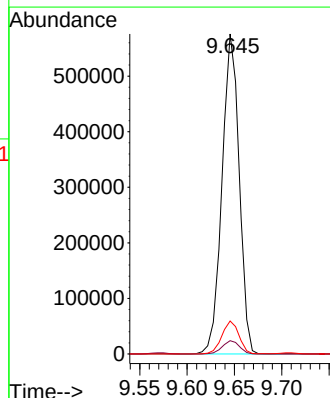
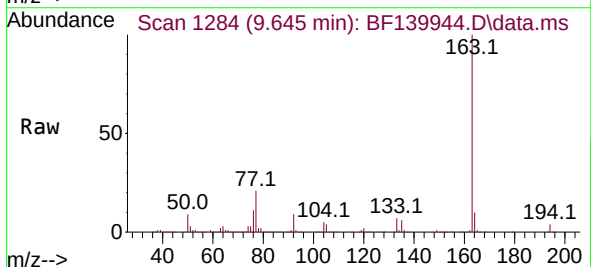
Tgt Ion:163 Resp: 726821

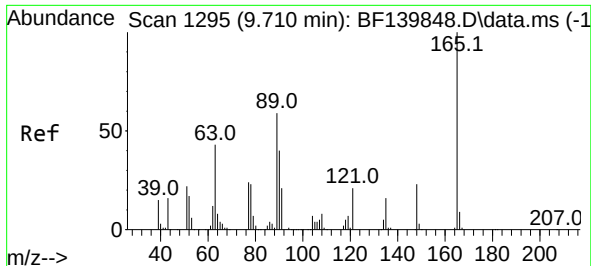
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.3 8.2 12.2

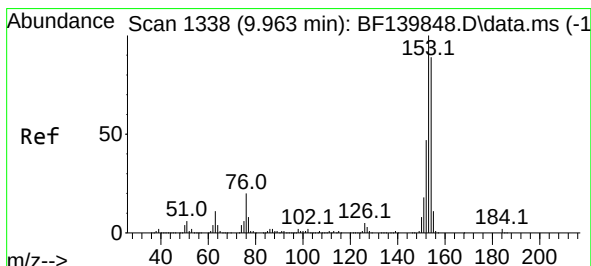
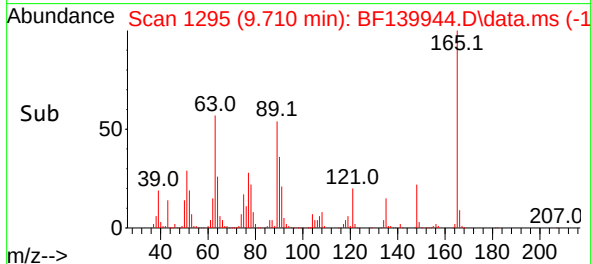
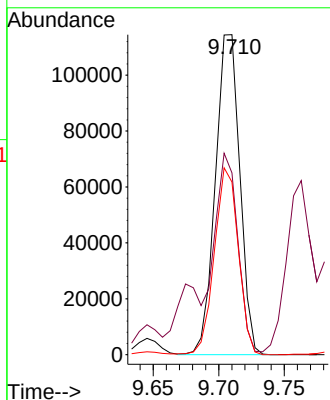
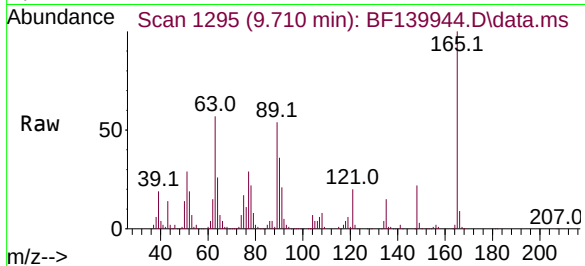




#51
2,6-Dinitrotoluene
Concen: 47.412 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

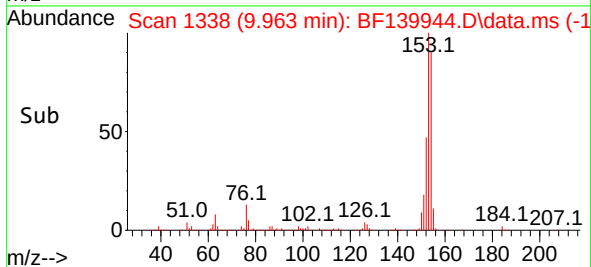
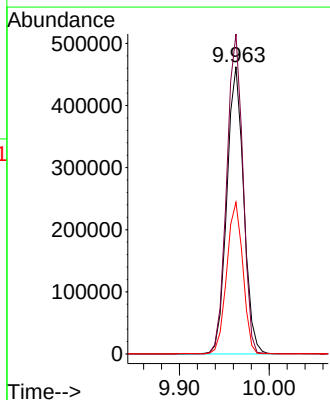
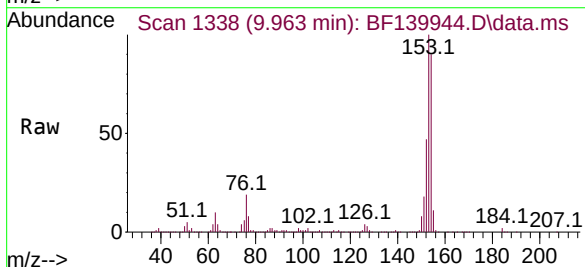
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

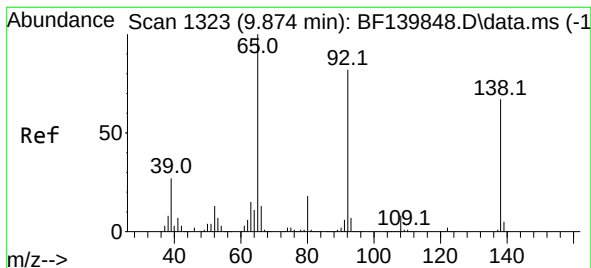
Tgt Ion:165 Resp: 148527
Ion Ratio Lower Upper
165 100
63 56.8 50.6 75.8
89 53.9 47.5 71.3



#52
Acenaphthene
Concen: 49.626 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:154 Resp: 604440
Ion Ratio Lower Upper
154 100
153 111.4 89.8 134.6
152 52.8 42.4 63.6





#53

3-Nitroaniline

Concen: 24.459 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

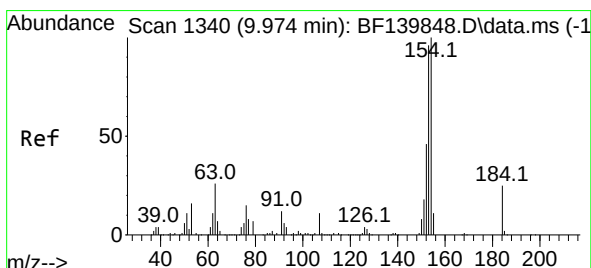
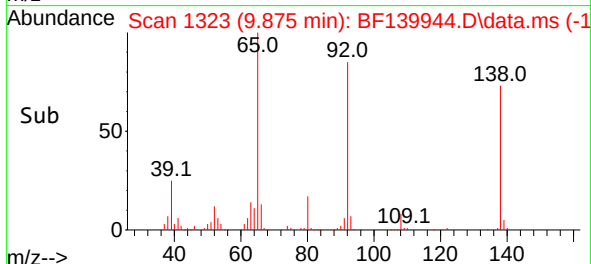
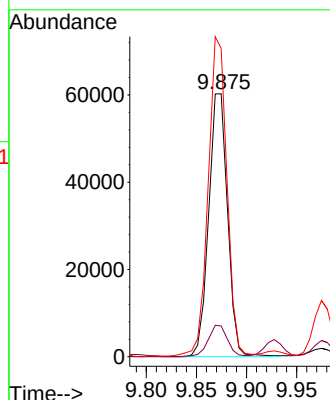
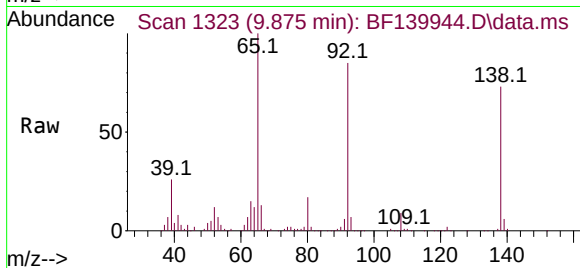
Tgt Ion:138 Resp: 79016

Ion Ratio Lower Upper

138 100

108 11.7 10.2 15.2

92 117.3 98.3 147.5



#54

2,4-Dinitrophenol

Concen: 49.052 ng

RT: 9.975 min Scan# 1340

Delta R.T. 0.001 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

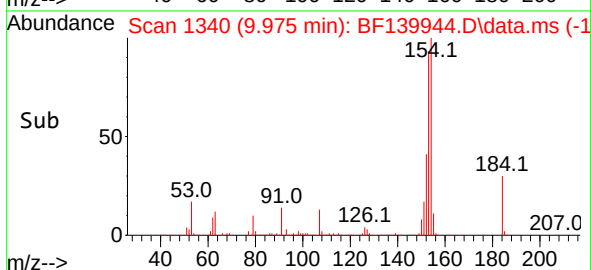
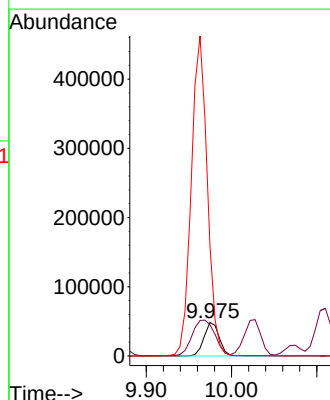
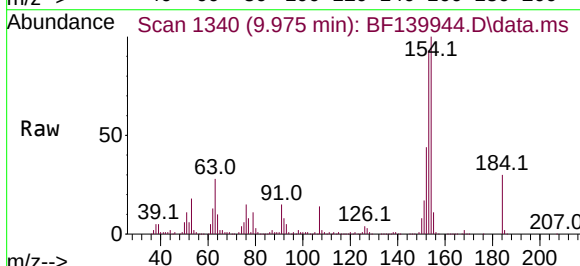
Tgt Ion:184 Resp: 60266

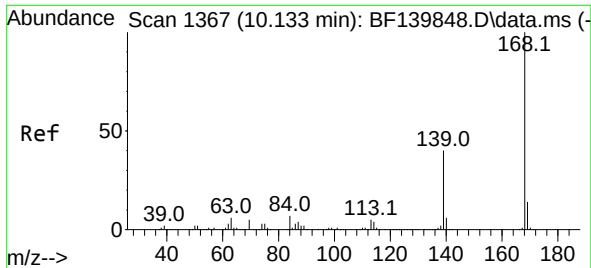
Ion Ratio Lower Upper

184 100

63 93.3 84.7 127.1

154 328.9 338.2 507.2#

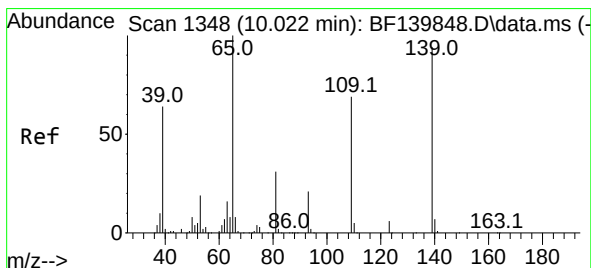
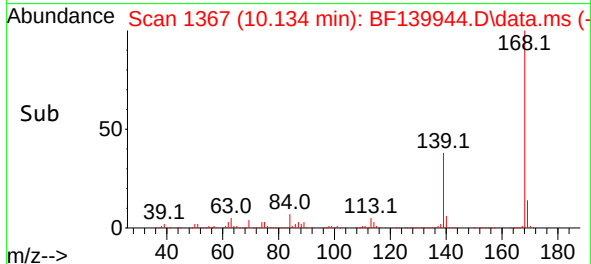
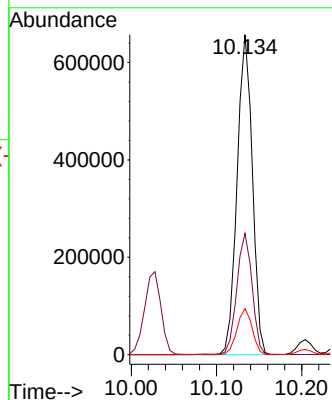
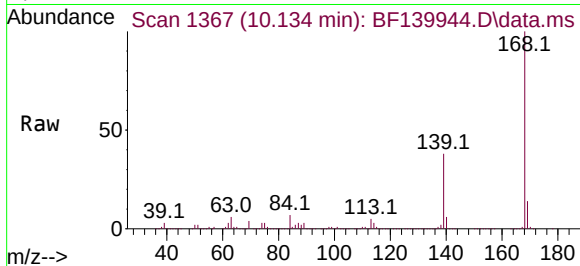




#55
Dibenzenofuran
Concen: 46.753 ng
RT: 10.134 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

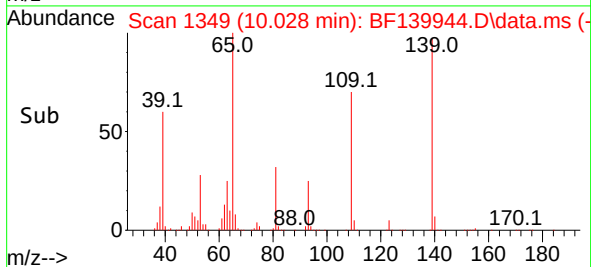
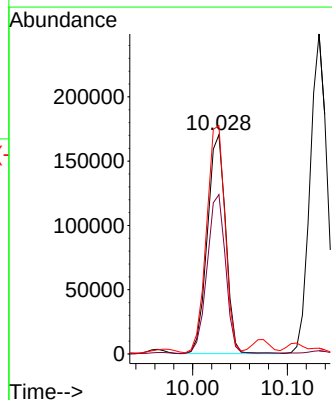
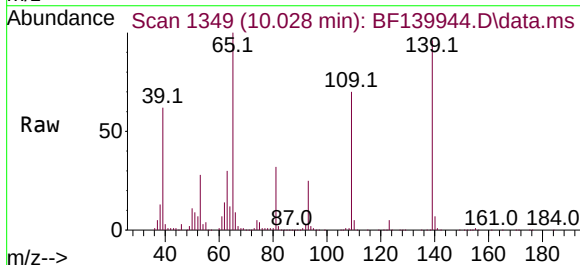
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

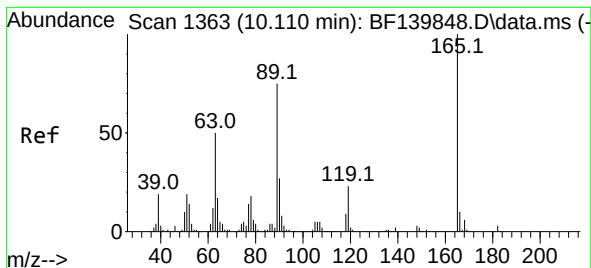
Tgt Ion:168 Resp: 817038
Ion Ratio Lower Upper
168 100
139 37.9 31.8 47.6
169 14.4 11.6 17.4



#56
4-Nitrophenol
Concen: 92.451 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:139 Resp: 229783
Ion Ratio Lower Upper
139 100
109 72.7 53.6 93.6
65 104.1 87.8 127.8

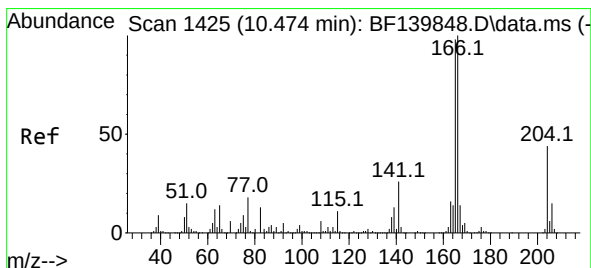
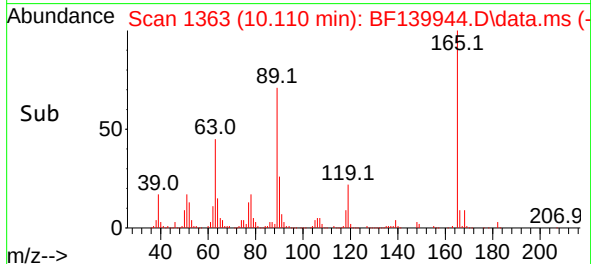
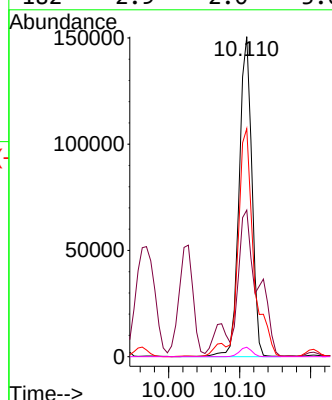
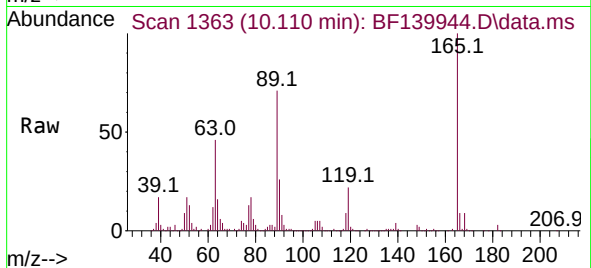




#57
2,4-Dinitrotoluene
Concen: 48.989 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

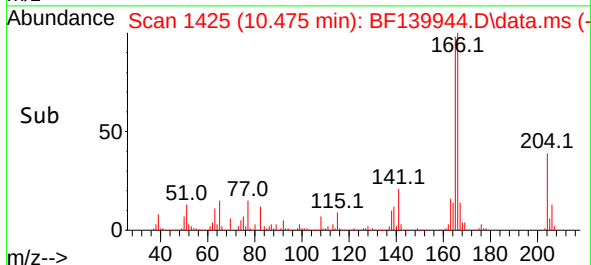
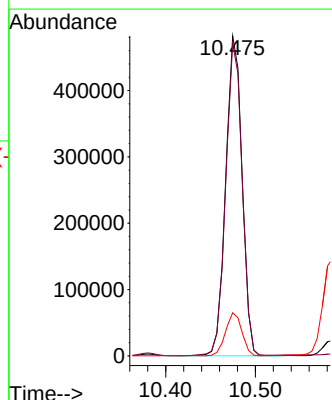
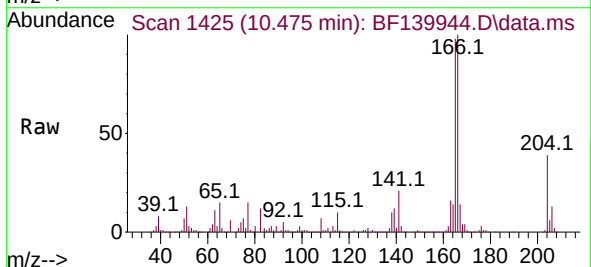
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

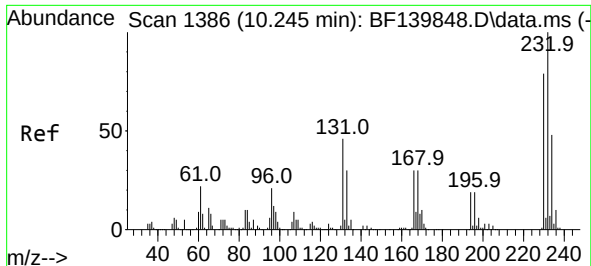
Tgt Ion:165 Resp: 188724
Ion Ratio Lower Upper
165 100
63 45.8 40.1 60.1
89 71.3 60.4 90.6
182 2.9 2.0 3.0



#58
Fluorene
Concen: 45.908 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:166 Resp: 611052
Ion Ratio Lower Upper
166 100
165 97.7 78.5 117.7
167 13.5 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 44.229 ng

RT: 10.245 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

Tgt Ion:232 Resp: 158711

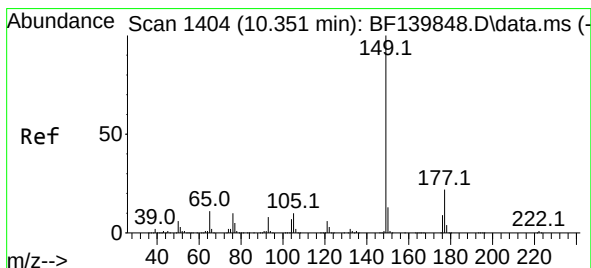
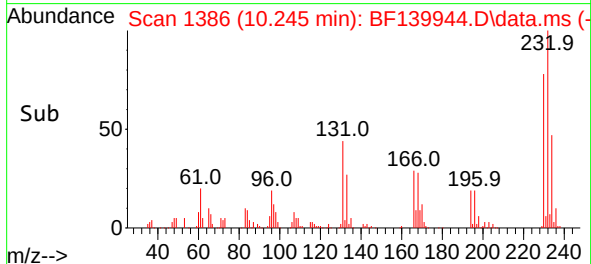
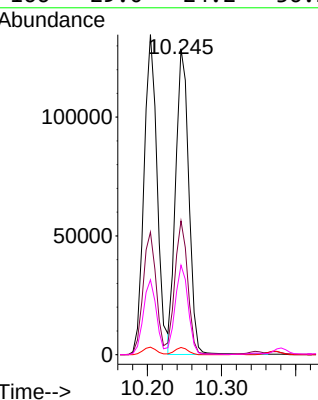
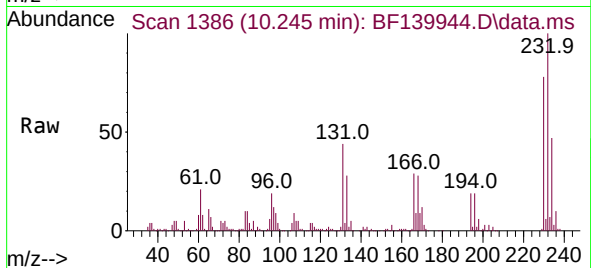
Ion Ratio Lower Upper

232 100

131 43.2 37.0 55.6

130 2.4 1.9 2.9

166 29.0 24.2 36.2



#60

Diethylphthalate

Concen: 46.451 ng

RT: 10.345 min Scan# 1403

Delta R.T. -0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

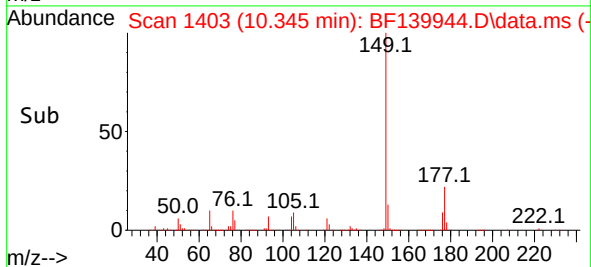
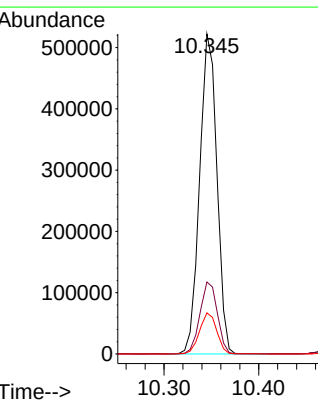
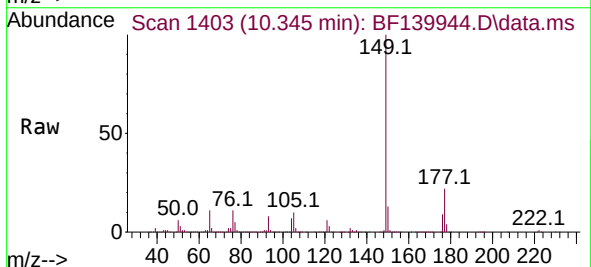
Tgt Ion:149 Resp: 659869

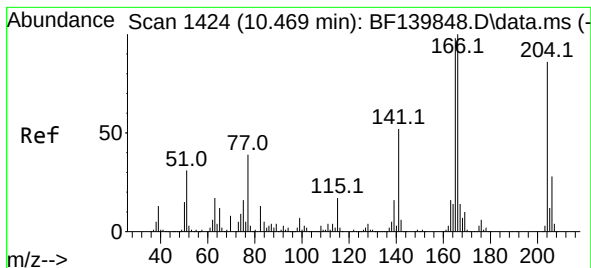
Ion Ratio Lower Upper

149 100

177 22.5 17.9 26.9

150 12.9 10.1 15.1

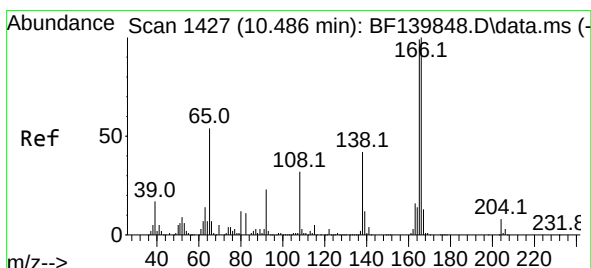
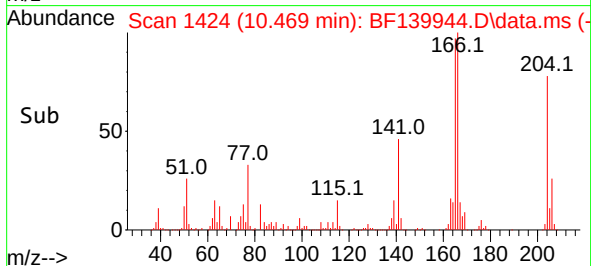
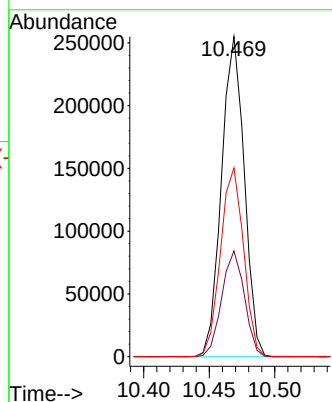
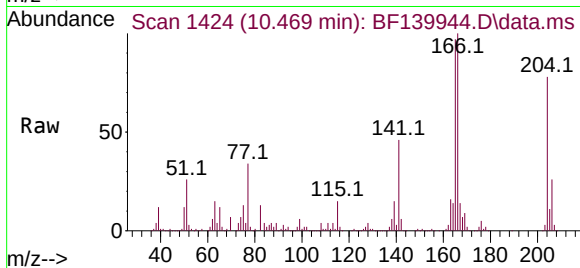




#61
4-Chlorophenyl-phenylether
Concen: 45.748 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

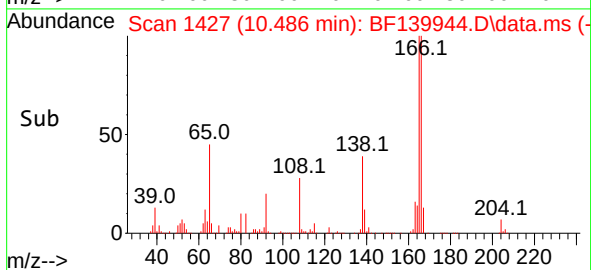
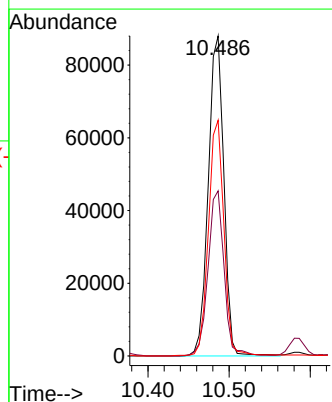
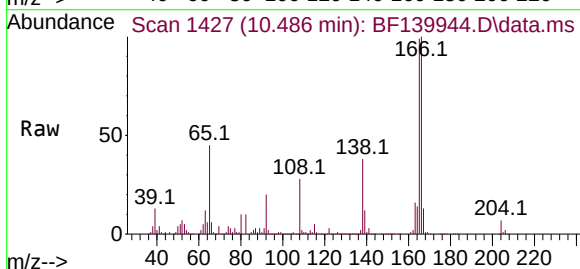
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

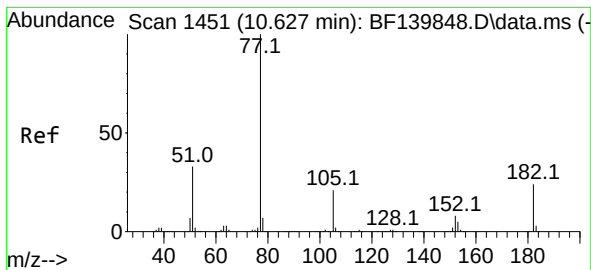
Tgt Ion:204 Resp: 307503
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 59.0 48.6 73.0



#62
4-Nitroaniline
Concen: 38.430 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:138 Resp: 117257
Ion Ratio Lower Upper
138 100
92 51.6 35.7 75.7
108 73.7 57.5 97.5

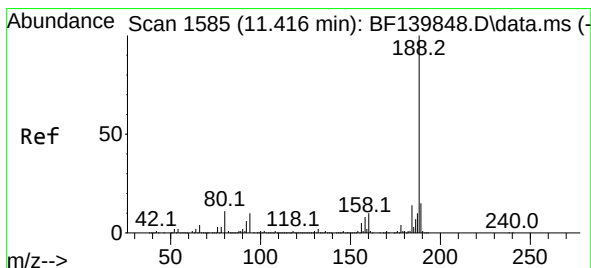
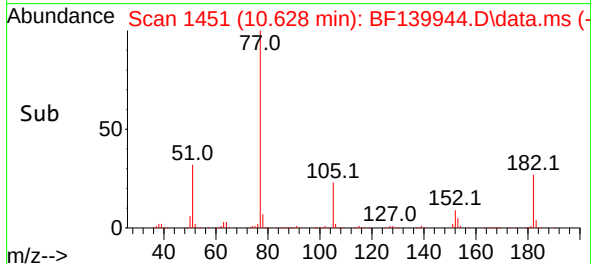
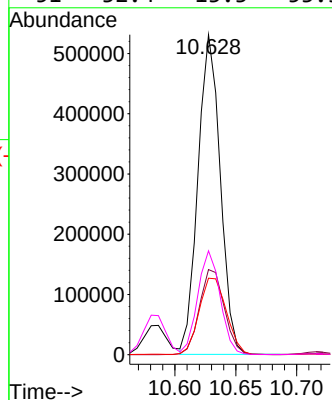
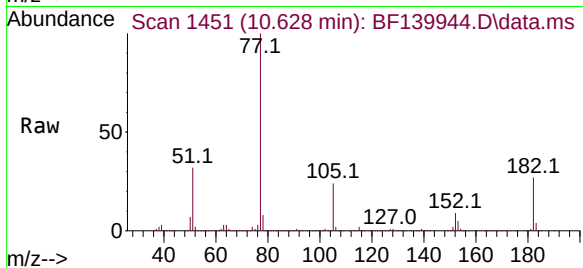




#63
Azobenzene
Concen: 44.770 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

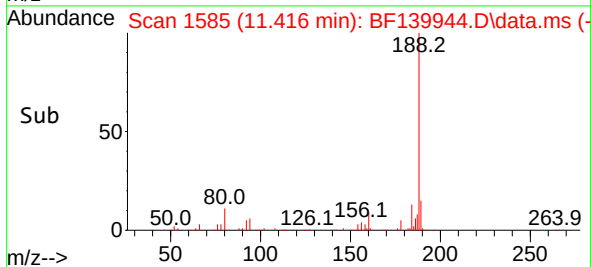
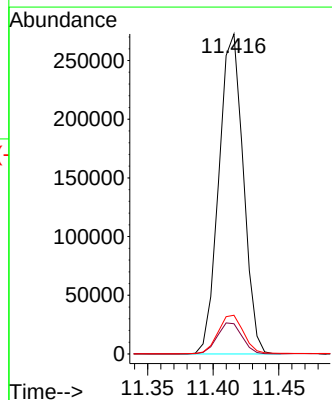
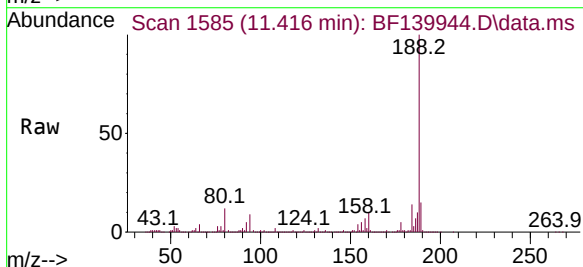
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

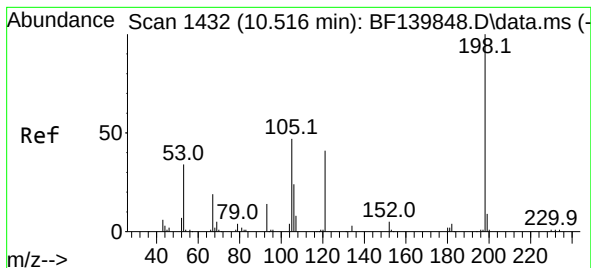
Tgt Ion: 77	Resp: 674261
Ion Ratio	Lower Upper
77 100	
182 26.6	3.3 43.3
105 23.9	1.2 41.2
51 32.4	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:188	Resp: 353031
Ion Ratio	Lower Upper
188 100	
94 9.5	7.9 11.9
80 12.1	9.0 13.4

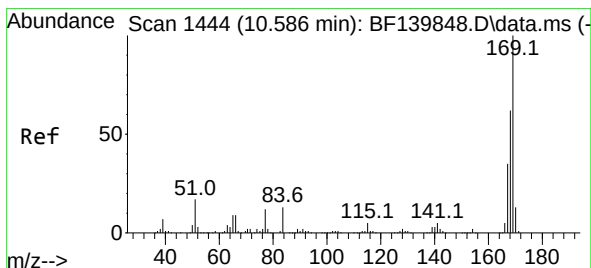
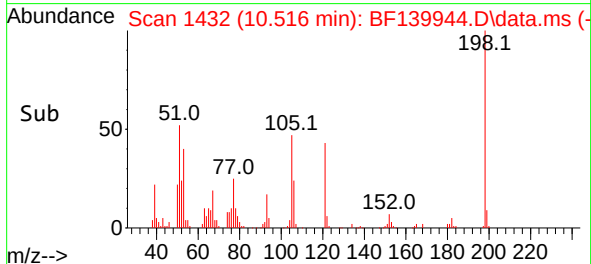
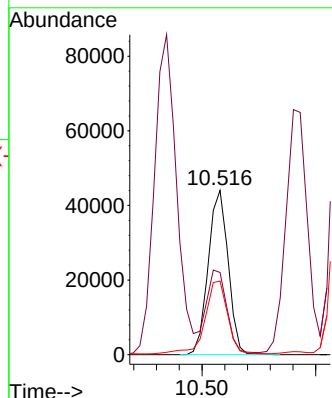
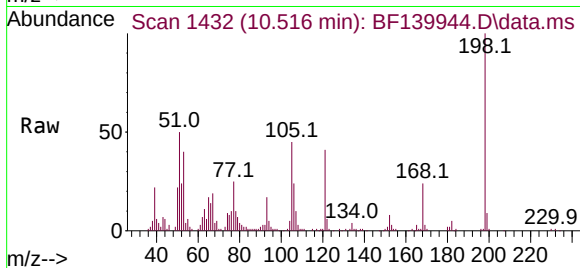




#65
4,6-Dinitro-2-methylphenol
Concen: 37.335 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

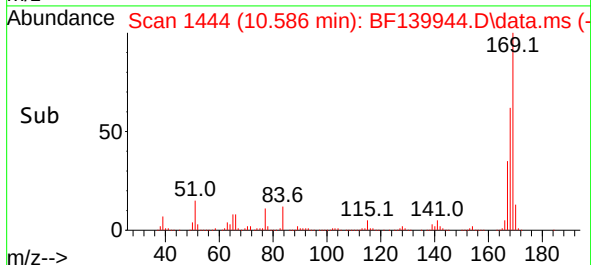
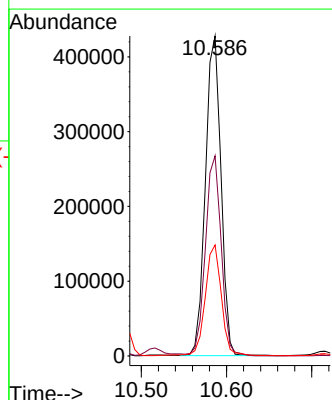
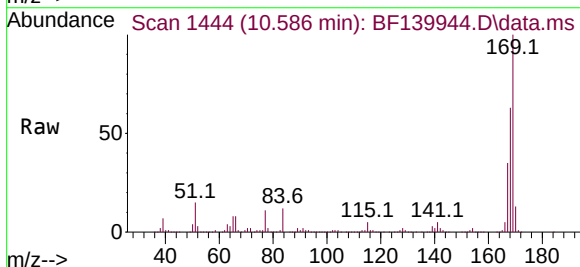
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

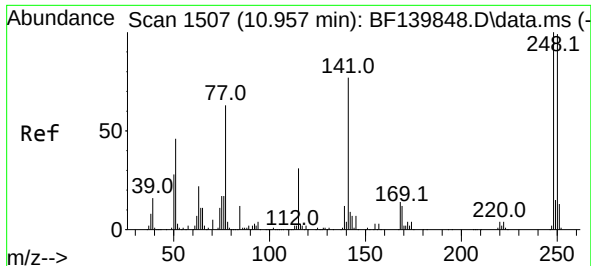
Tgt Ion:198 Resp: 53763
Ion Ratio Lower Upper
198 100
51 50.1 38.2 78.2
105 44.8 27.9 67.9



#66
n-Nitrosodiphenylamine
Concen: 51.261 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:169 Resp: 541631
Ion Ratio Lower Upper
169 100
168 62.5 49.8 74.6
167 34.7 28.0 42.0

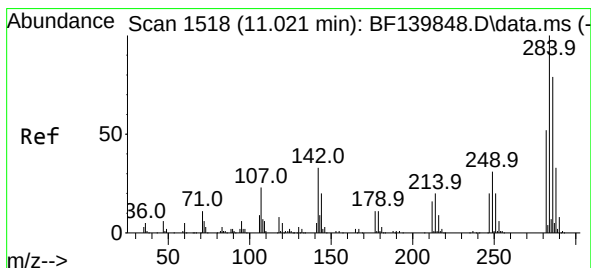
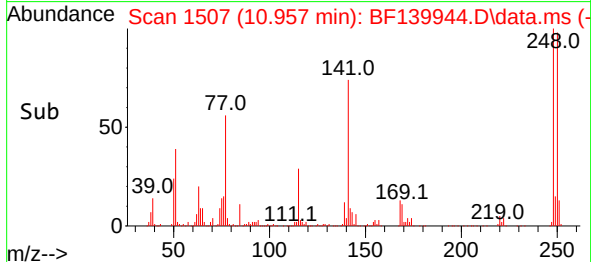
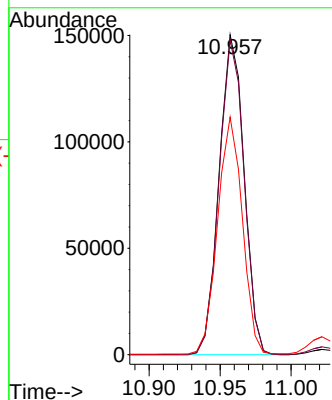
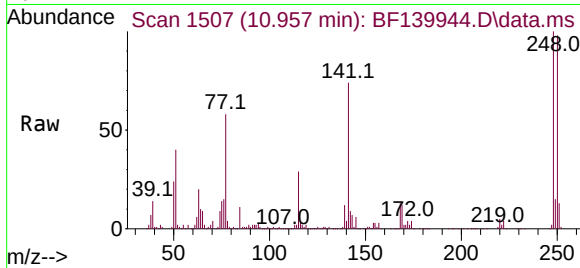




#67
4-Bromophenyl-phenylether
Concen: 50.655 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

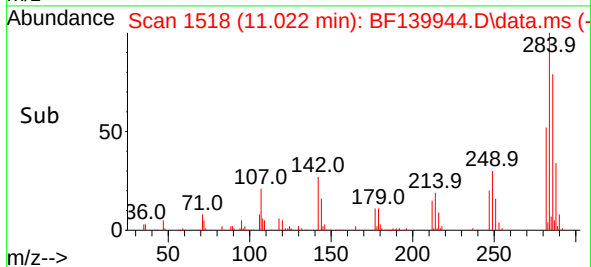
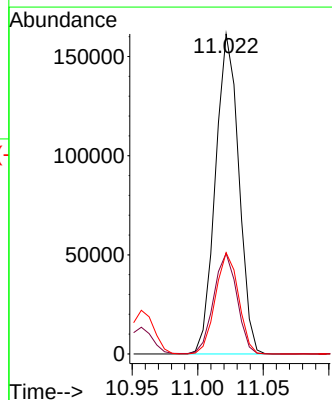
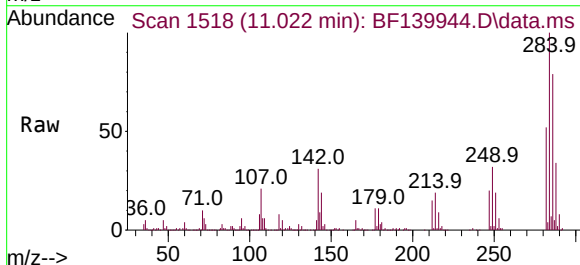
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

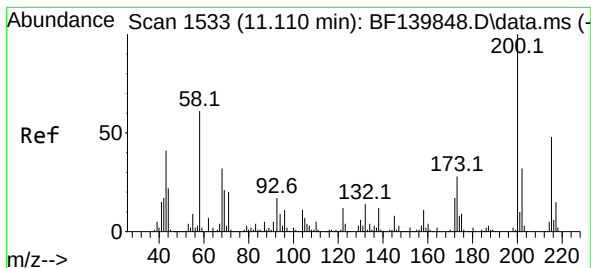
Tgt Ion:248 Resp: 184226
Ion Ratio Lower Upper
248 100
250 98.4 79.0 118.6
141 74.3 61.7 92.5



#68
Hexachlorobenzene
Concen: 48.763 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:284 Resp: 199455
Ion Ratio Lower Upper
284 100
142 31.4 26.9 40.3
249 31.7 25.3 37.9





#69

Atrazine

Concen: 59.904 ng

RT: 11.110 min Scan# 1533

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

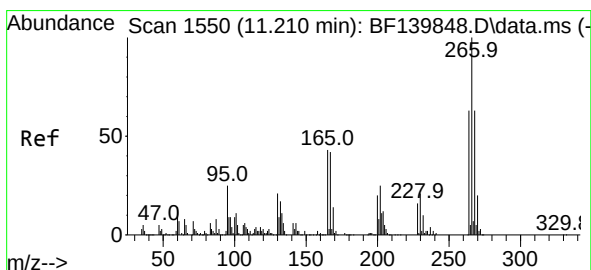
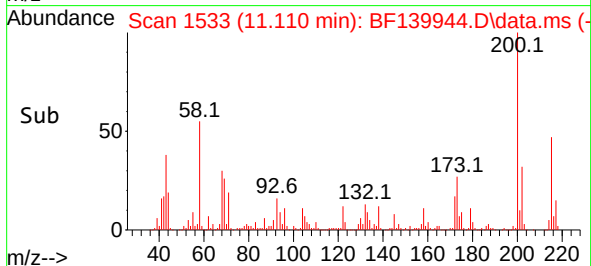
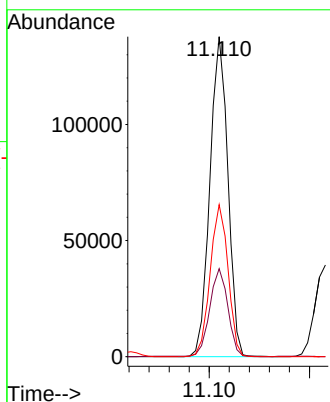
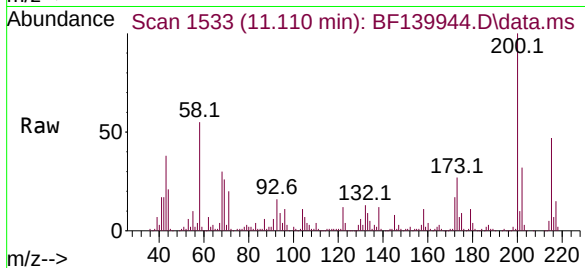
Tgt Ion:200 Resp: 171458

Ion Ratio Lower Upper

200 100

173 27.5 7.7 47.7

215 47.5 27.7 67.7



#70

Pentachlorophenol

Concen: 114.396 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

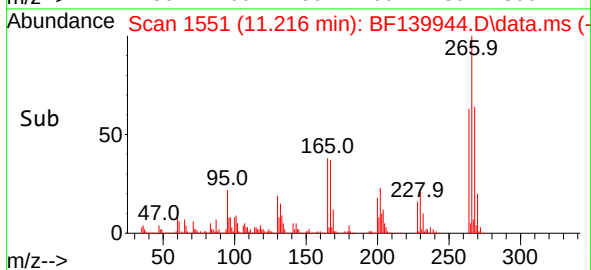
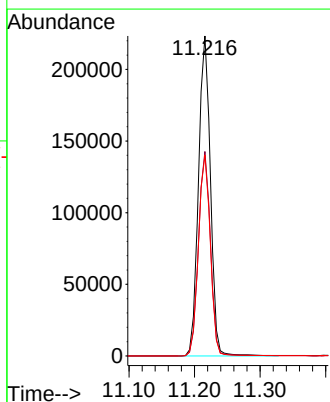
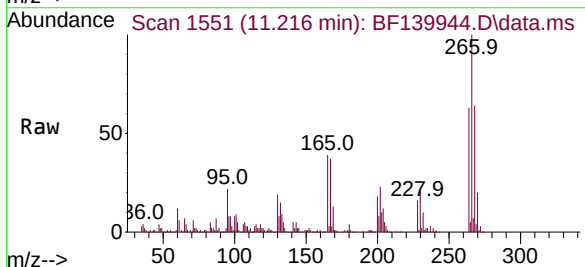
Tgt Ion:266 Resp: 283978

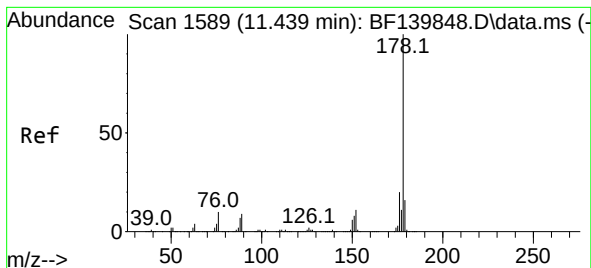
Ion Ratio Lower Upper

266 100

268 63.9 50.4 75.6

264 62.9 50.6 75.8





#71

Phenanthrene

Concen: 67.904 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

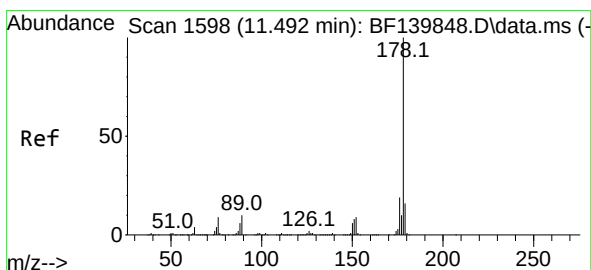
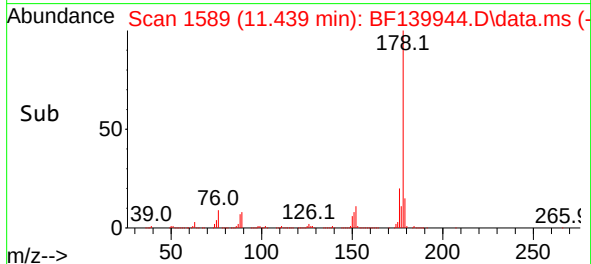
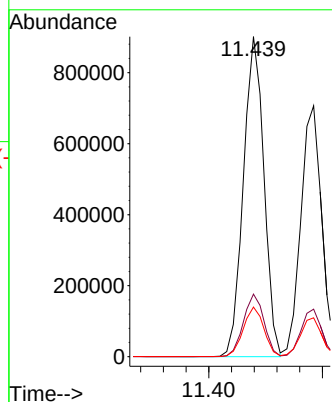
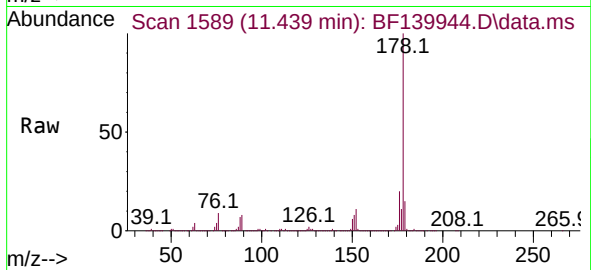
Tgt Ion:178 Resp: 1132342

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

179 15.5 12.6 18.8



#72

Anthracene

Concen: 54.860 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

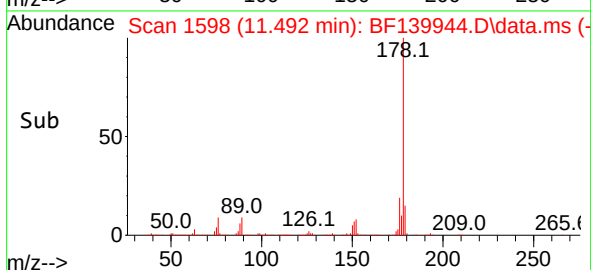
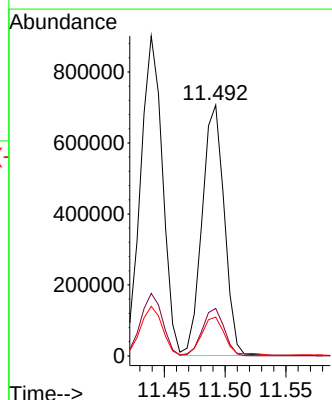
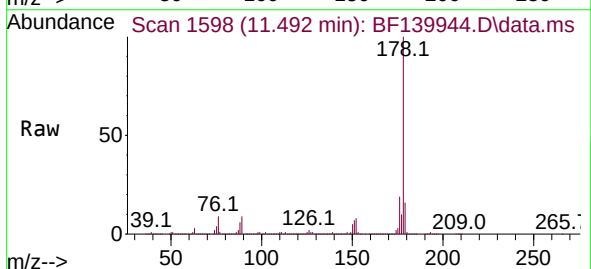
Tgt Ion:178 Resp: 892589

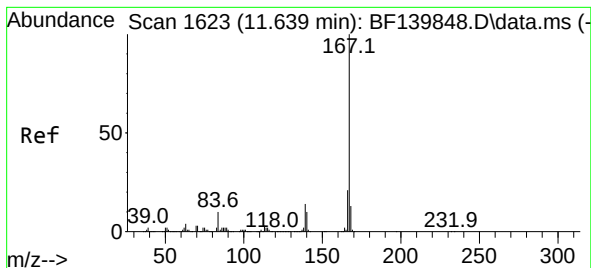
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.5 12.4 18.6





#73

Carbazole

Concen: 52.038 ng

RT: 11.639 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

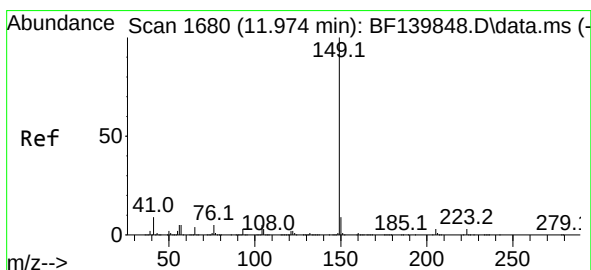
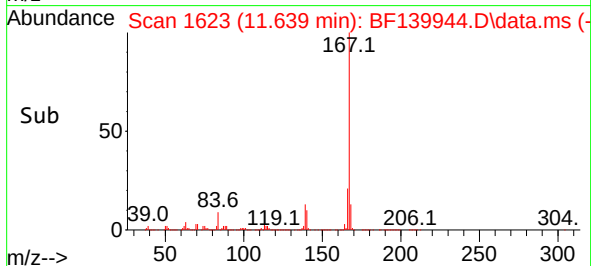
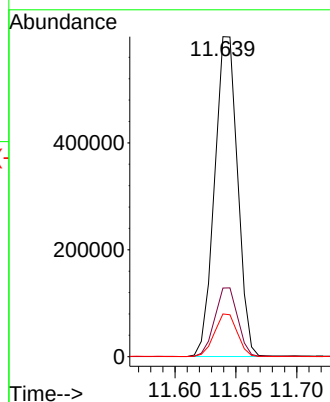
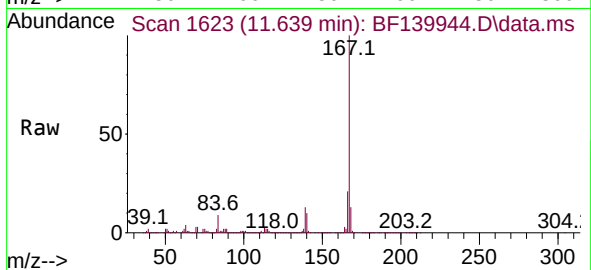
Tgt Ion:167 Resp: 787423

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

139 13.4 10.8 16.2



#74

Di-n-butylphthalate

Concen: 54.097 ng

RT: 11.975 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

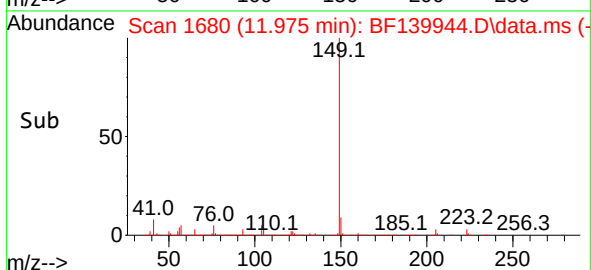
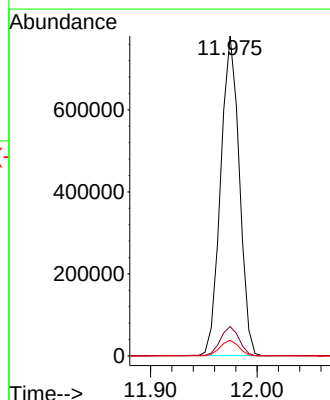
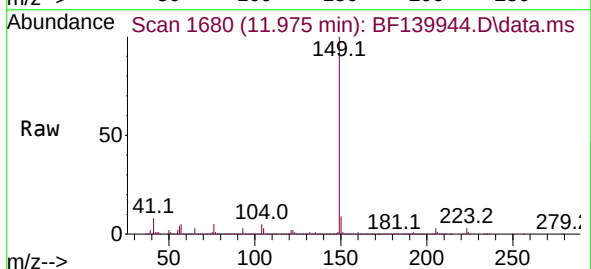
Tgt Ion:149 Resp: 945733

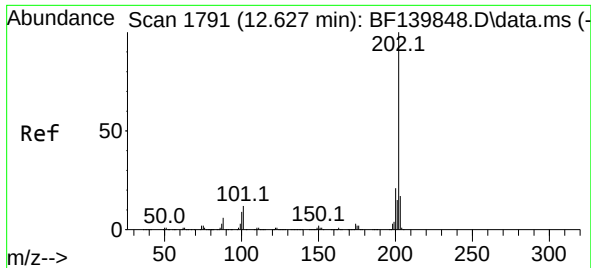
Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 4.9 4.1 6.1

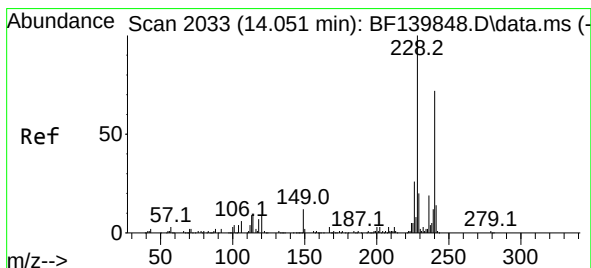
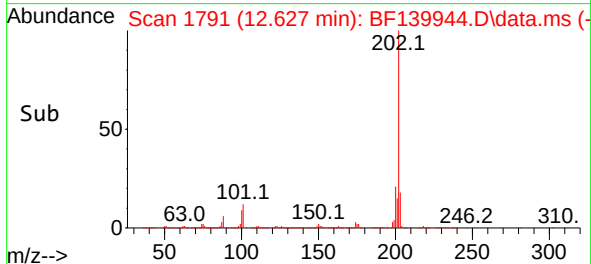
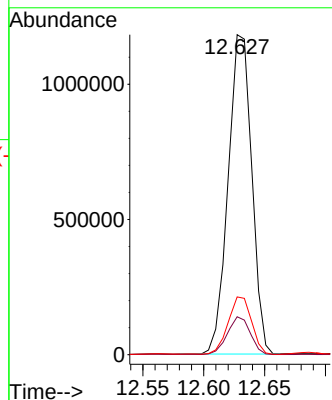
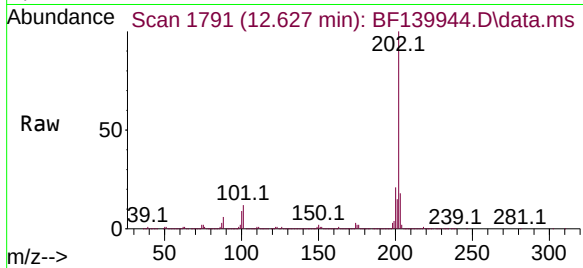




#75
Fluoranthene
Concen: 94.844 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

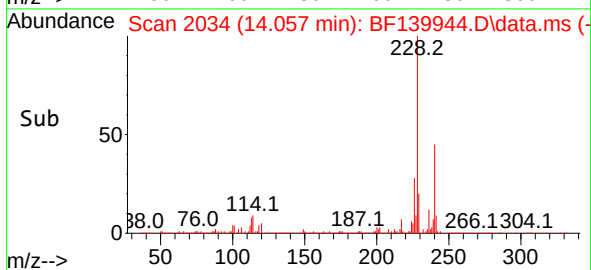
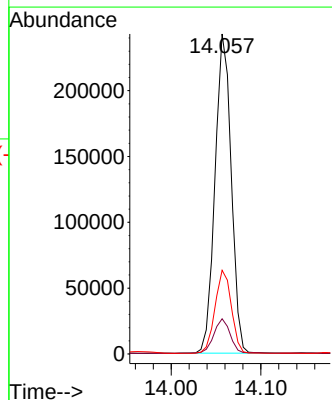
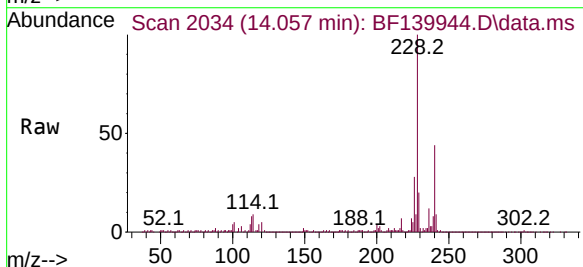
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

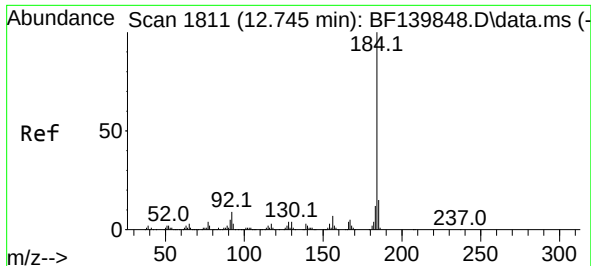
Tgt Ion:202 Resp: 1598865
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.9
203 18.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:240 Resp: 304375
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 26.2 20.9 31.3

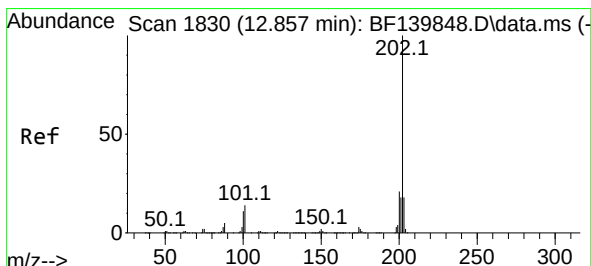
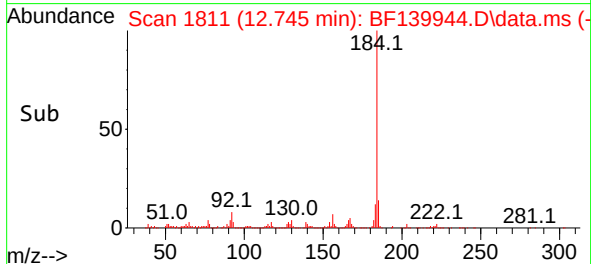
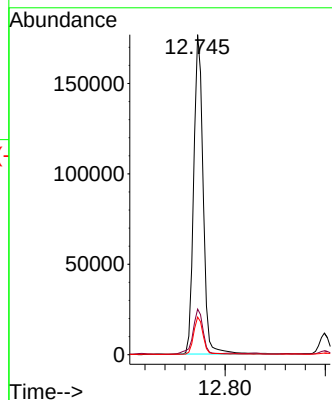
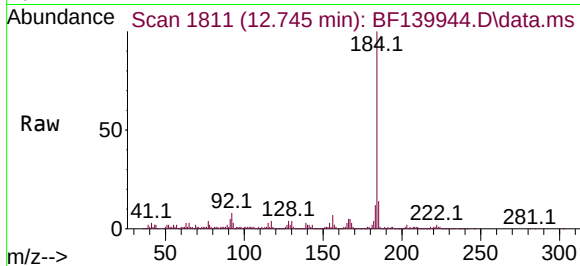




#77
Benzidine
Concen: 46.054 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

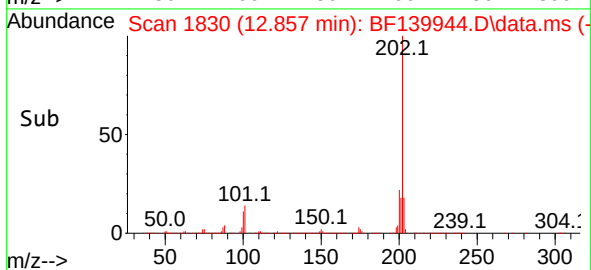
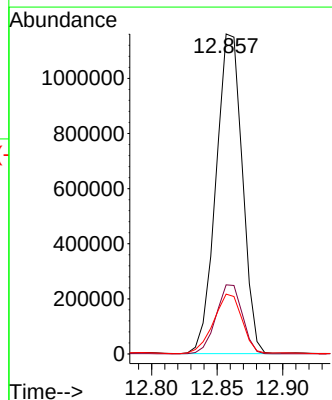
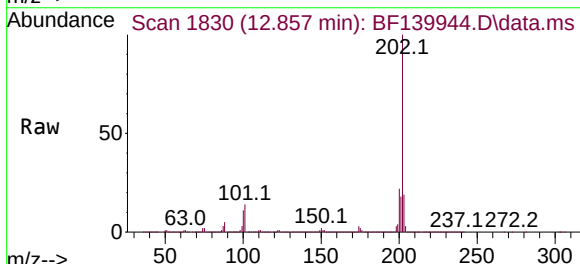
Instrument :
BNA_F
ClientSampleId :
72-11934MSD

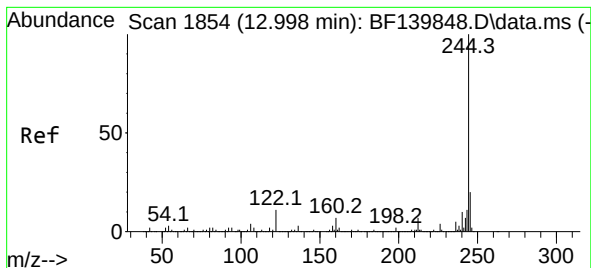
Tgt Ion:184 Resp: 230497
Ion Ratio Lower Upper
184 100
185 14.2 12.0 18.0
183 11.7 9.4 14.2



#78
Pyrene
Concen: 60.819 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139944.D
Acq: 22 Oct 2024 22:46

Tgt Ion:202 Resp: 1620393
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 18.7 14.2 21.4





#79

Terphenyl-d14

Concen: 63.320 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

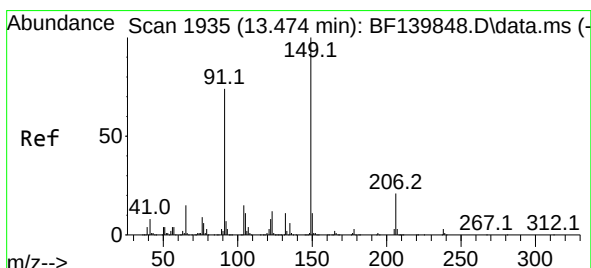
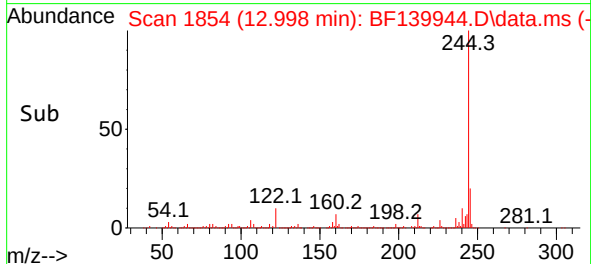
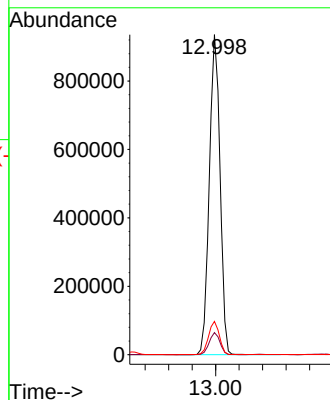
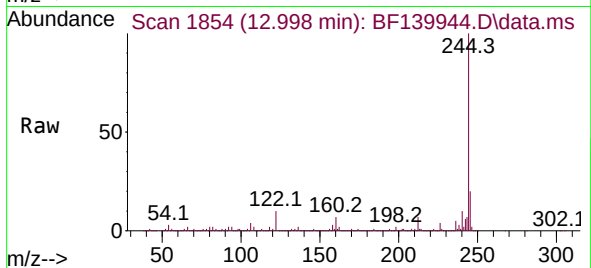
Tgt Ion:244 Resp: 1182763

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 10.4 8.6 13.0



#80

Butylbenzylphthalate

Concen: 54.769 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

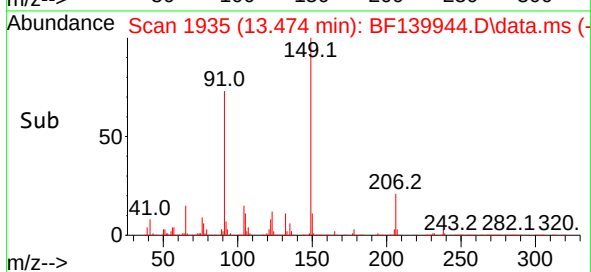
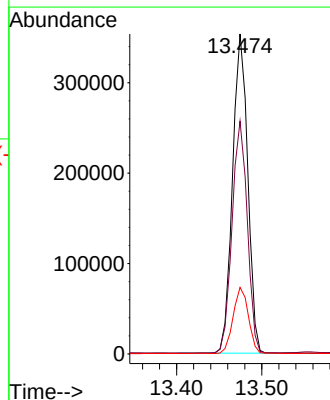
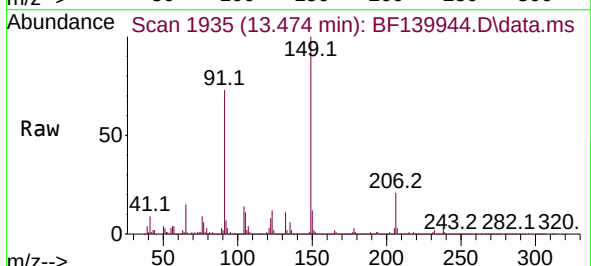
Tgt Ion:149 Resp: 437471

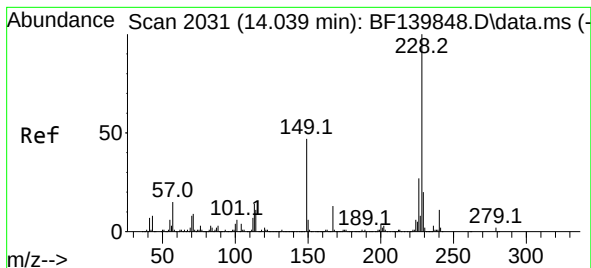
Ion Ratio Lower Upper

149 100

91 72.8 59.4 89.2

206 20.8 16.4 24.6





#81

Benzo(a)anthracene

Concen: 71.497 ng

RT: 14.045 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

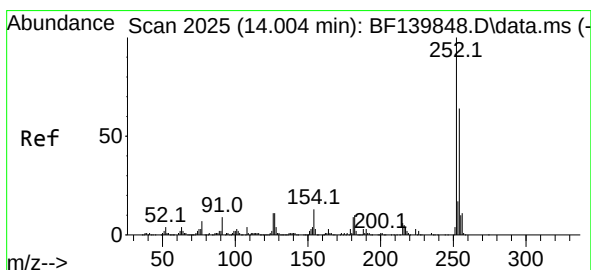
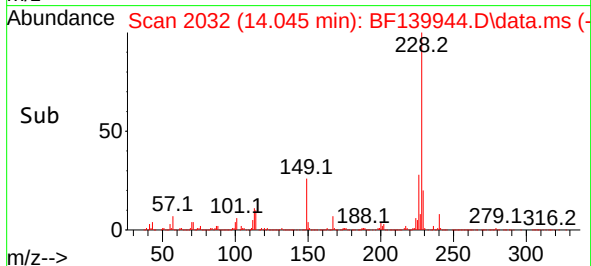
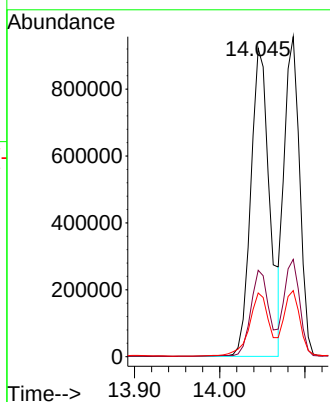
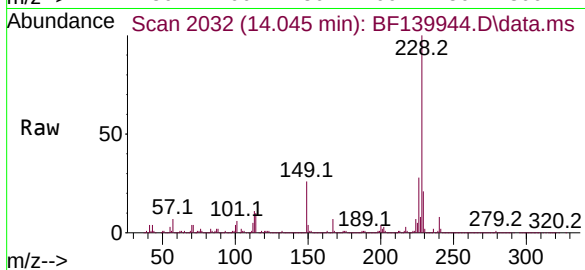
Tgt Ion:228 Resp: 1416631

Ion Ratio Lower Upper

228 100

226 28.0 21.6 32.4

229 20.7 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 29.672 ng

RT: 14.010 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

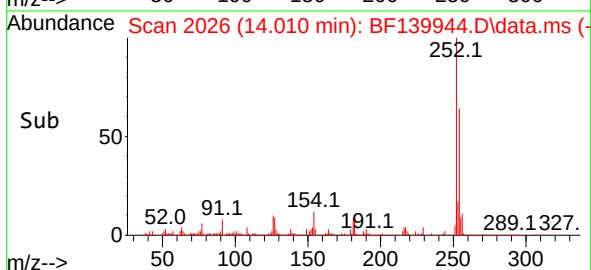
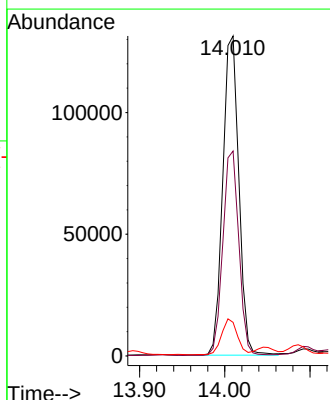
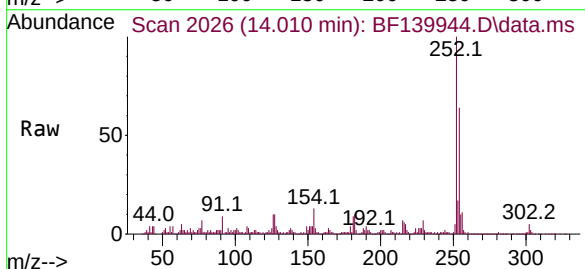
Tgt Ion:252 Resp: 171417

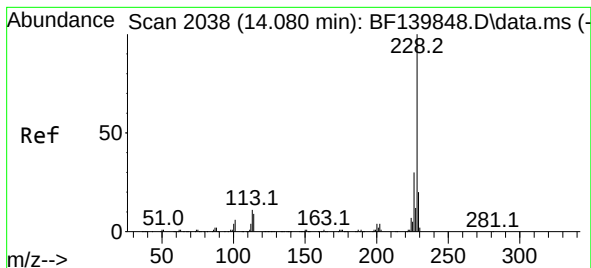
Ion Ratio Lower Upper

252 100

254 64.0 50.8 76.2

126 10.5 8.9 13.3





#83

Chrysene

Concen: 65.173 ng

RT: 14.086 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

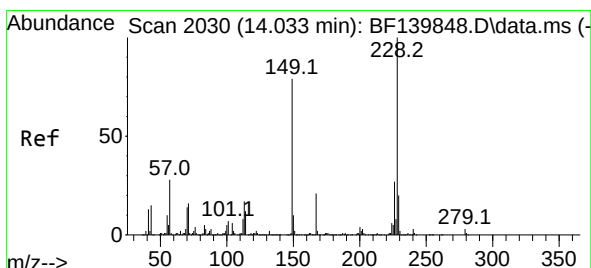
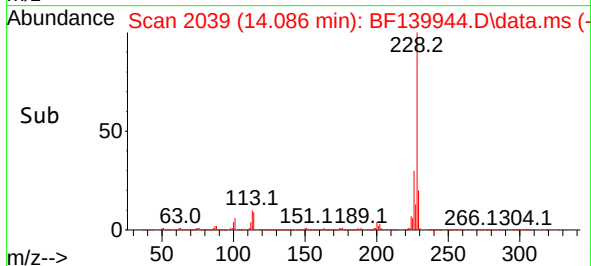
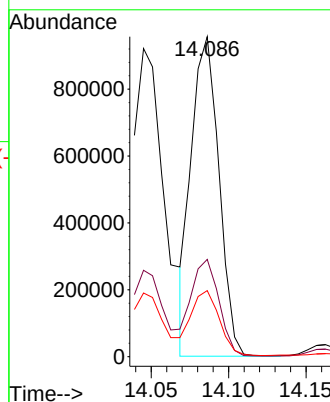
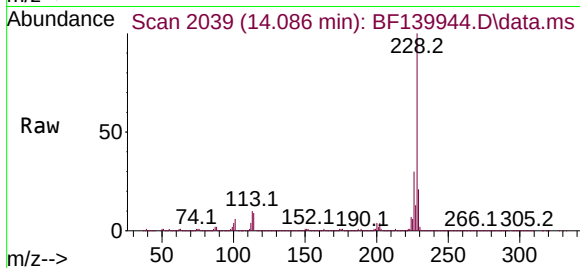
Tgt Ion:228 Resp: 1183999

Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 20.7 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 72.940 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

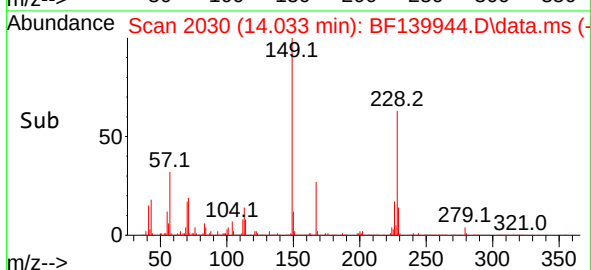
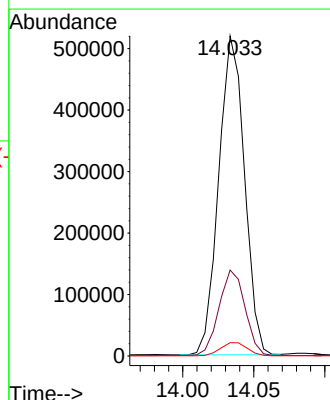
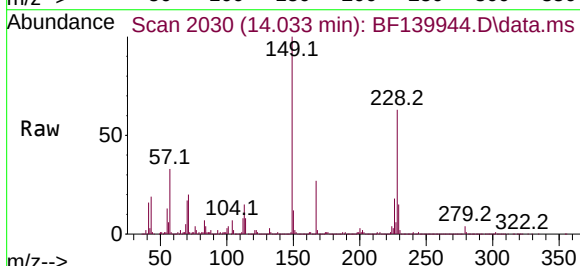
Tgt Ion:149 Resp: 653661

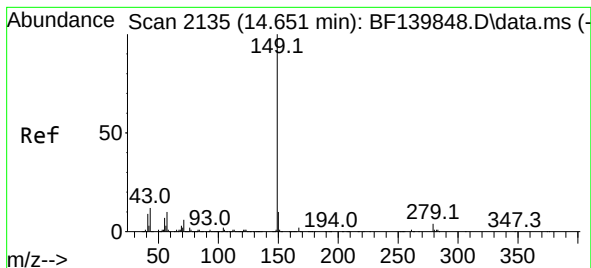
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 4.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 71.690 ng

RT: 14.651 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

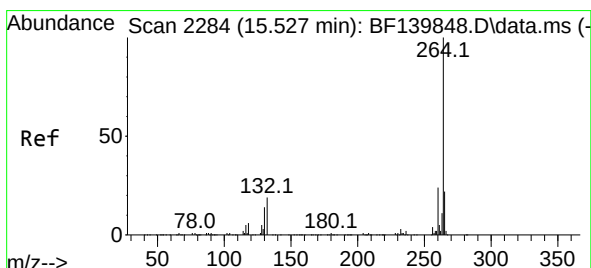
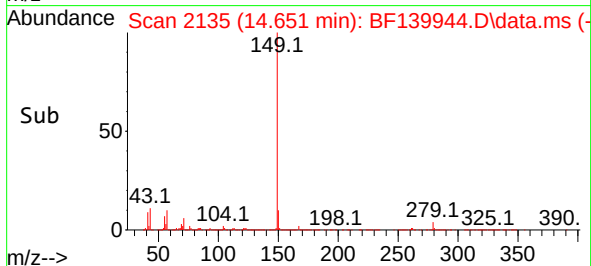
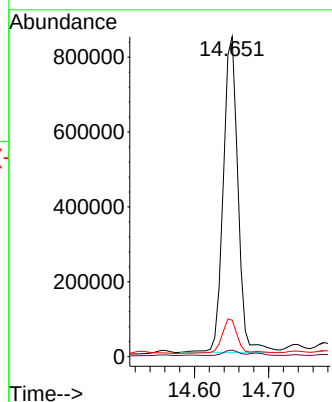
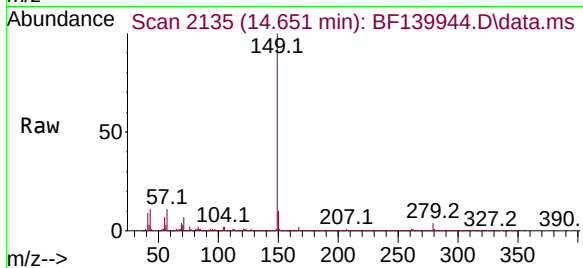
Tgt Ion:149 Resp: 1168565

Ion Ratio Lower Upper

149 100

167 2.2 1.2 1.8#

43 12.1 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

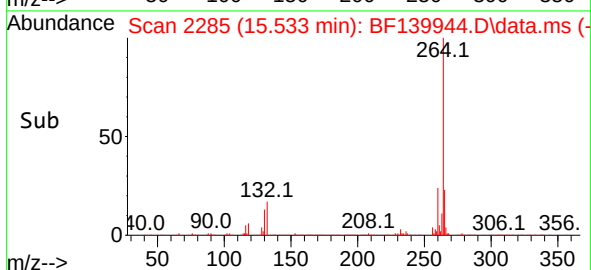
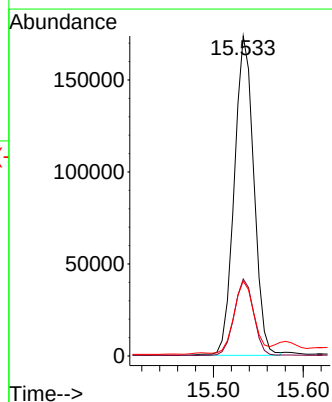
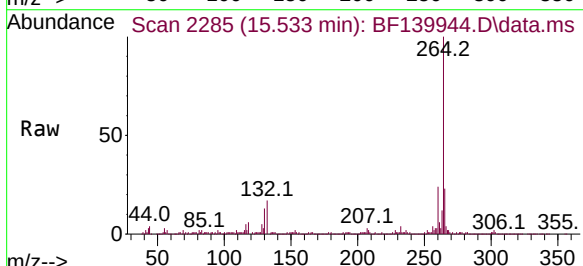
Tgt Ion:264 Resp: 262279

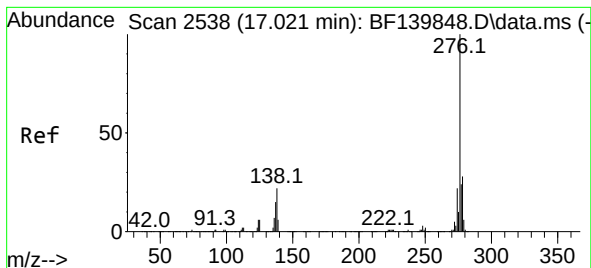
Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 23.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.924 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

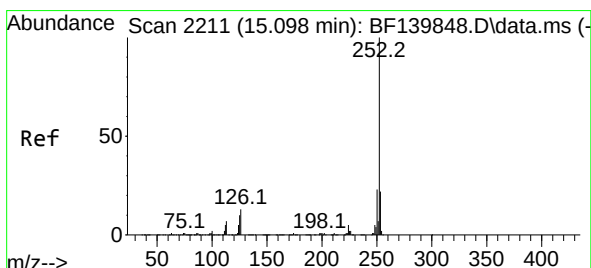
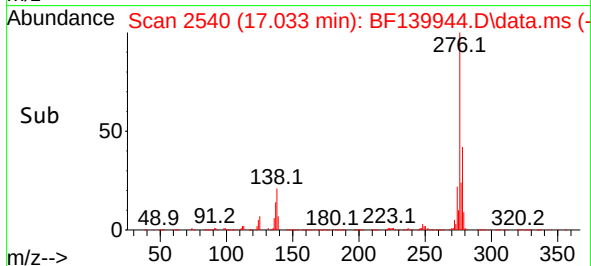
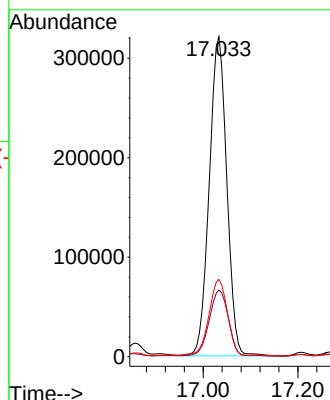
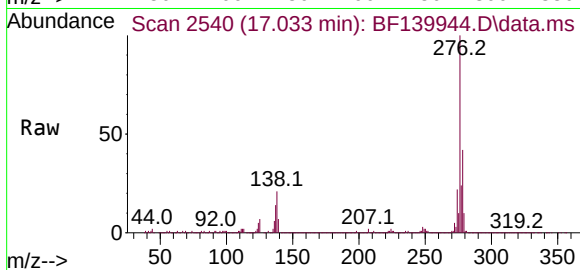
Tgt Ion:276 Resp: 825504

Ion Ratio Lower Upper

276 100

138 22.2 20.4 30.6

277 24.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 84.551 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

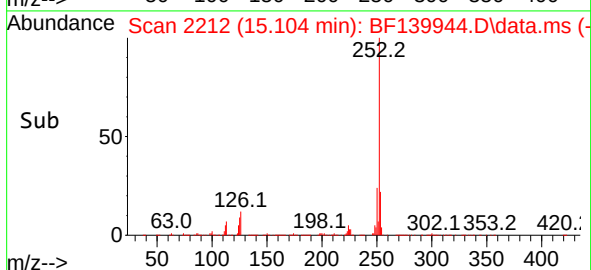
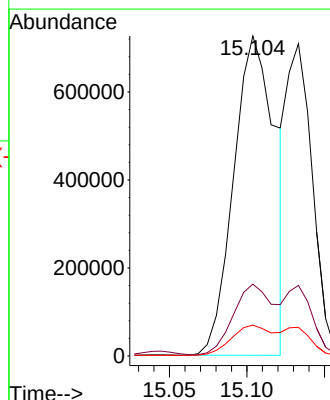
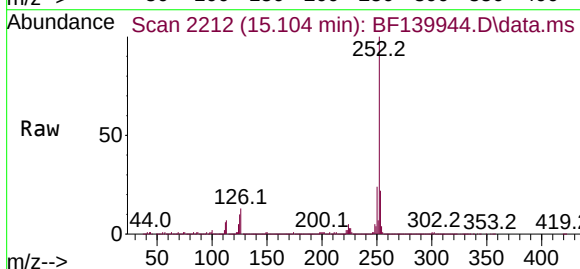
Tgt Ion:252 Resp: 1350871

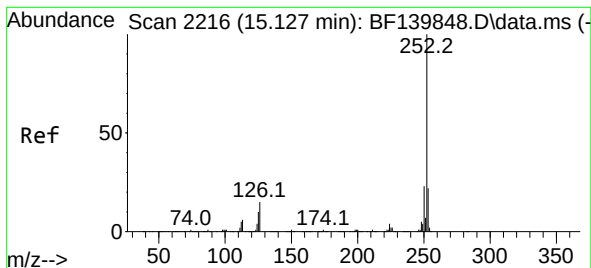
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 9.7 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 58.663 ng

RT: 15.133 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

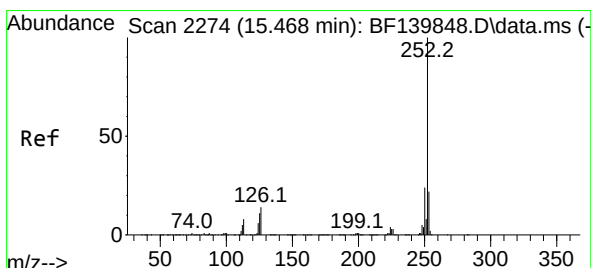
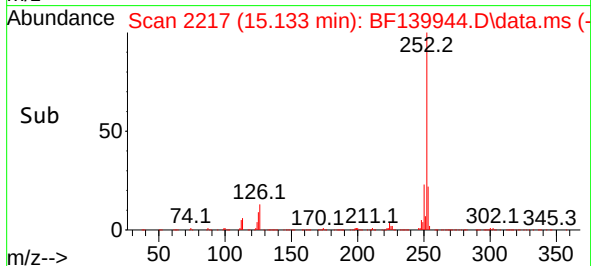
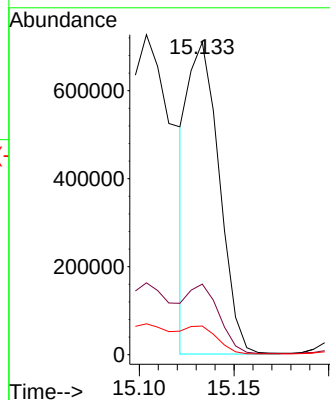
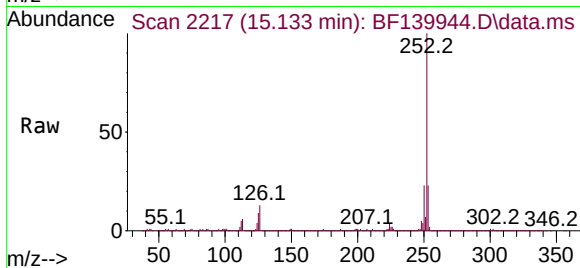
Tgt Ion:252 Resp: 808305

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 9.2 7.9 11.9



#90

Benzo(a)pyrene

Concen: 73.186 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

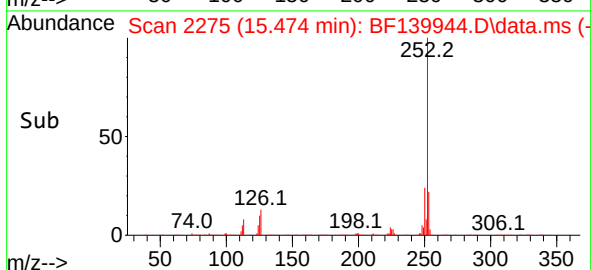
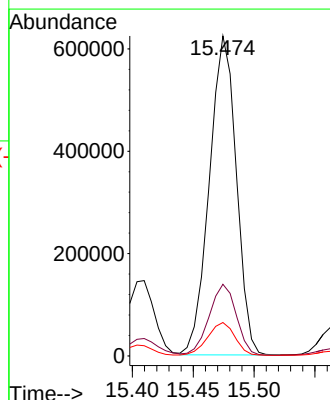
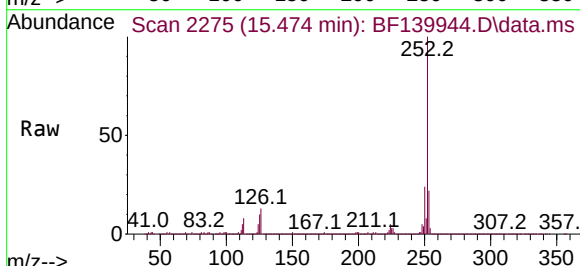
Tgt Ion:252 Resp: 962129

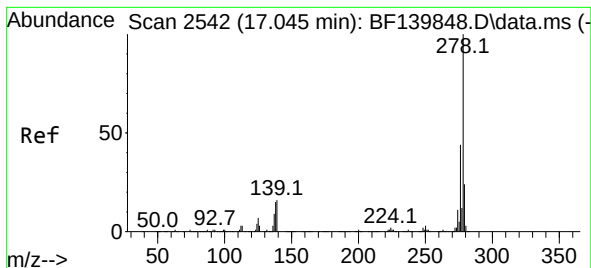
Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 10.5 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 41.435 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Instrument :

BNA_F

ClientSampleId :

72-11934MSD

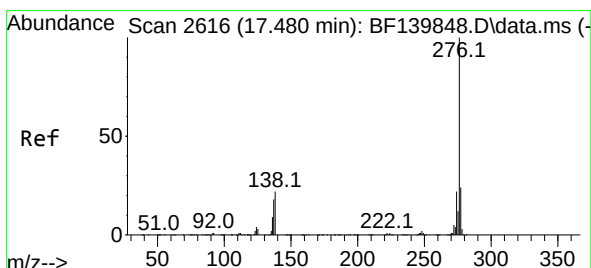
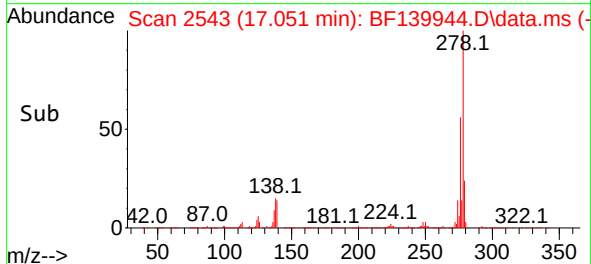
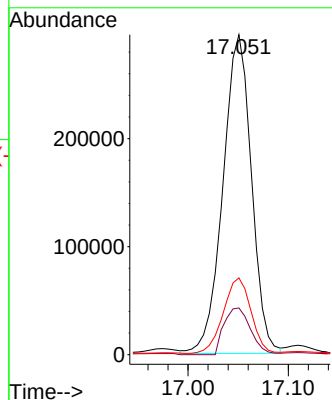
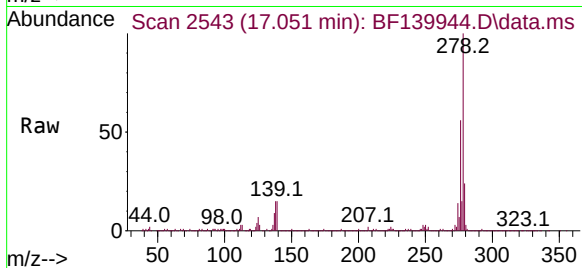
Tgt Ion:278 Resp: 583239

Ion Ratio Lower Upper

278 100

139 14.6 13.1 19.7

279 24.0 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 46.745 ng

RT: 17.486 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF139944.D

Acq: 22 Oct 2024 22:46

Tgt Ion:276 Resp: 657238

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.6

138 19.4 17.4 26.0

