

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092524\
 Data File : BF139545.D
 Acq On : 25 Sep 2024 23:05
 Operator : RC/JU
 Sample : P4178-04MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ231MSD

Quant Time: Sep 26 01:31:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	68396	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	244093	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	117757	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	202183	20.000	ng	0.00
76) Chrysene-d12	14.045	240	120225	20.000	ng	# 0.01
86) Perylene-d12	15.515	264	95144	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	414307	98.818	ng	0.01
7) Phenol-d6	6.516	99	530239	96.353	ng	0.01
23) Nitrobenzene-d5	7.439	82	351780	67.752	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	104409	83.283	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	602291	71.735	ng	0.00
79) Terphenyl-d14	12.986	244	549709	75.050	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	81929	48.707	ng	96
3) Pyridine	3.446	79	209381	56.458	ng	97
4) n-Nitrosodimethylamine	3.404	42	146867	45.689	ng	# 82
6) Aniline	6.540	93	178900	43.078	ng	# 61
8) 2-Chlorophenol	6.663	128	216334	50.126	ng	100
9) Benzaldehyde	6.428	77	40233	12.654	ng	99
10) Phenol	6.528	94	281342	50.196	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	216339	50.784	ng	99
12) 1,3-Dichlorobenzene	6.822	146	232097	47.288	ng	98
13) 1,4-Dichlorobenzene	6.898	146	235168	47.413	ng	99
14) 1,2-Dichlorobenzene	7.051	146	225114	48.032	ng	98
15) Benzyl Alcohol	7.022	79	205207	46.739	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.151	45	386149	58.818	ng	92
17) 2-Methylphenol	7.134	107	170627	49.761	ng	98
18) Hexachloroethane	7.392	117	80152	42.427	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	162743	49.905	ng	98
20) 3+4-Methylphenols	7.287	107	214687	45.892	ng	# 82
22) Acetophenone	7.287	105	299803	46.981	ng	98
24) Nitrobenzene	7.463	77	245933	46.021	ng	97
25) Isophorone	7.698	82	426970	51.996	ng	99
26) 2-Nitrophenol	7.775	139	106324	51.069	ng	92
27) 2,4-Dimethylphenol	7.816	122	160400	58.406	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	251856	53.816	ng	98
29) 2,4-Dichlorophenol	8.022	162	169583	48.608	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	185419	45.613	ng	99
31) Naphthalene	8.181	128	625611	49.094	ng	99
32) Benzoic acid	7.928	122	99161	38.583	ng	91
33) 4-Chloroaniline	8.234	127	53118	13.626	ng	98
34) Hexachlorobutadiene	8.298	225	123938	44.876	ng	99
35) Caprolactam	8.598	113	53070	49.450	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	177179	44.437	ng	97
37) 2-Methylnaphthalene	8.875	142	387798	47.945	ng	98
38) 1-Methylnaphthalene	8.975	142	355741	44.798	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	177572	50.881	ng	99
41) Hexachlorocyclopentadiene	9.022	237	67986	55.793	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	114721	50.526	ng	100

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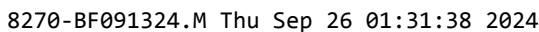
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	116809	48.771	ng	97
46) 1,1'-Biphenyl	9.333	154	469764	51.854	ng	99
47) 2-Chloronaphthalene	9.363	162	341184	50.369	ng	99
48) 2-Nitroaniline	9.457	65	128049	50.824	ng	99
49) Acenaphthylene	9.781	152	585838	57.455	ng	100
50) Dimethylphthalate	9.633	163	409103	52.932	ng	100
51) 2,6-Dinitrotoluene	9.698	165	81788	47.768	ng	93
52) Acenaphthene	9.951	154	344902	48.466	ng	100
53) 3-Nitroaniline	9.869	138	66231	38.706	ng	90
54) 2,4-Dinitrophenol	9.975	184	21495	22.530	ng	91
55) Dibenzofuran	10.122	168	486411	49.039	ng	95
56) 4-Nitrophenol	10.033	139	122805	86.734	ng	# 84
57) 2,4-Dinitrotoluene	10.104	165	107429	46.474	ng	95
58) Fluorene	10.463	166	384169	47.470	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	89747	45.298	ng	97
60) Diethylphthalate	10.333	149	392787	49.247	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	180723	45.950	ng	95
62) 4-Nitroaniline	10.480	138	76351	40.884	ng	87
63) Azobenzene	10.616	77	443906	56.586	ng	90
65) 4,6-Dinitro-2-methylph...	10.510	198	17069	15.996	ng	98
66) n-Nitrosodiphenylamine	10.575	169	317996	53.796	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	102595	51.206	ng	98
68) Hexachlorobenzene	11.010	284	110663	47.061	ng	99
69) Atrazine	11.098	200	98190	69.774	ng	98
70) Pentachlorophenol	11.210	266	126179	89.427	ng	99
71) Phenanthrene	11.427	178	653580	67.003	ng	99
72) Anthracene	11.480	178	563302	59.064	ng	99
73) Carbazole	11.633	167	482284	52.836	ng	99
74) Di-n-butylphthalate	11.963	149	566260	55.689	ng	100
75) Fluoranthene	12.616	202	1020790	97.993	ng	97
77) Benzidine	12.739	184	114208	66.305	ng	99
78) Pyrene	12.851	202	1099725	106.532	ng	99
80) Butylbenzylphthalate	13.457	149	227009	64.607	ng	98
81) Benzo(a)anthracene	14.033	228	670854	84.239	ng	96
82) 3,3'-Dichlorobenzidine	13.998	252	108298	46.437	ng	99
83) Chrysene	14.068	228	619023	84.490	ng	98
84) Bis(2-ethylhexyl)phtha...	14.016	149	300998	67.339	ng	100
85) Di-n-octyl phthalate	14.627	149	454129	68.986	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.998	276	329553	58.250	ng	97
88) Benzo(b)fluoranthene	15.086	252	502271	85.597	ng	99
89) Benzo(k)fluoranthene	15.086	252	502271	92.836	ng	# 98
90) Benzo(a)pyrene	15.457	252	388663	79.865	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	228056	48.782	ng	99
92) Benzo(g,h,i)perylene	17.445	276	257618	55.655	ng	# 96

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

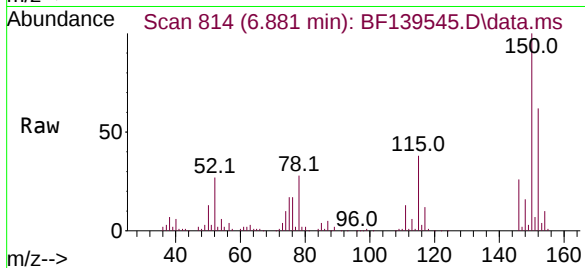
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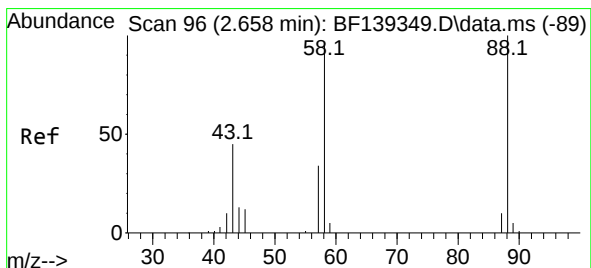
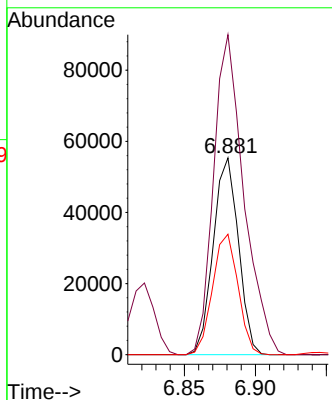
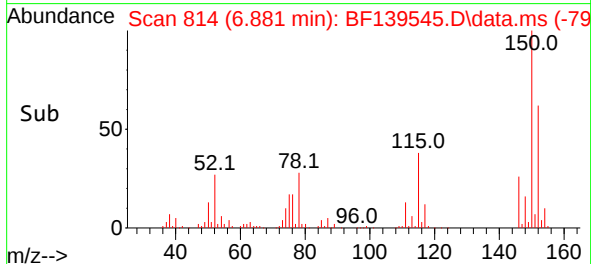


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: BF139545.D
 Acq: 25 Sep 2024 23:05

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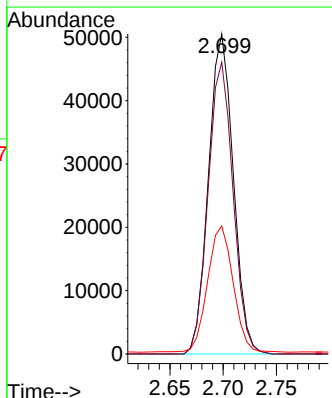
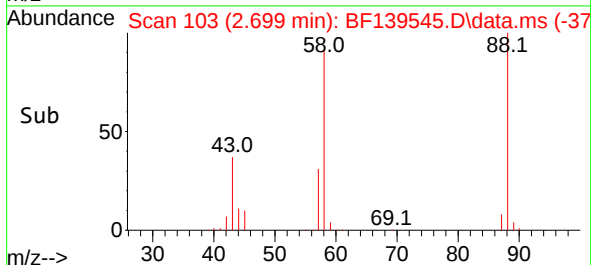
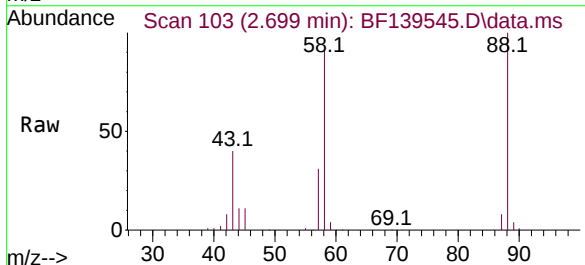


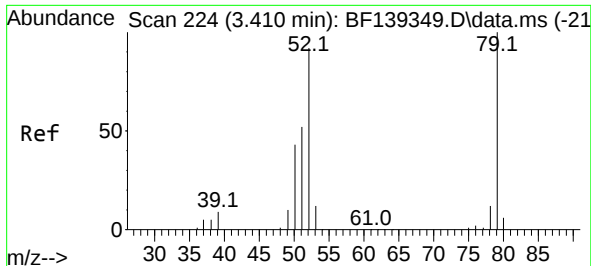
Tgt Ion:152 Resp: 68396
 Ion Ratio Lower Upper
 152 100
 150 162.5 124.1 186.1
 115 61.2 48.1 72.1



#2
 1,4-Dioxane
 Concen: 48.707 ng
 RT: 2.699 min Scan# 103
 Delta R.T. 0.041 min
 Lab File: BF139545.D
 Acq: 25 Sep 2024 23:05

Tgt Ion: 88 Resp: 81929
 Ion Ratio Lower Upper
 88 100
 58 91.5 74.8 112.2
 43 40.7 36.4 54.6





#3

Pyridine

Concen: 56.458 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

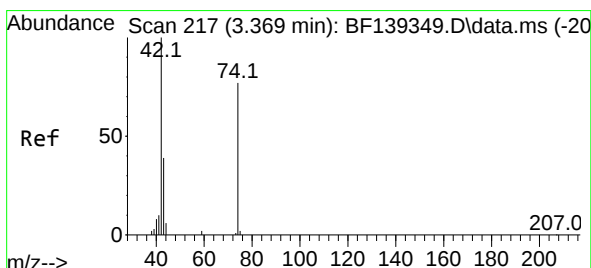
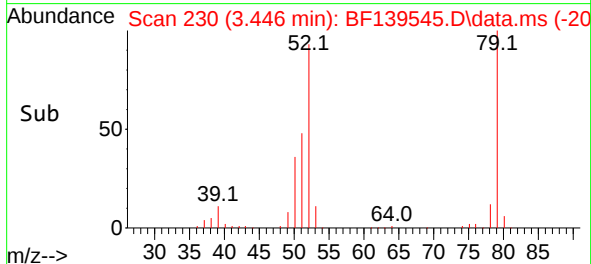
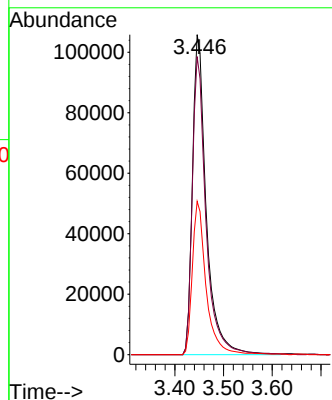
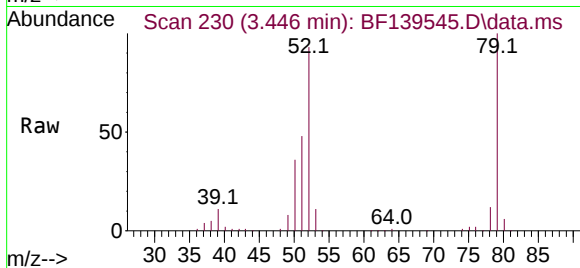
Tgt Ion: 79 Resp: 209381

Ion Ratio Lower Upper

79 100

52 93.2 73.8 110.8

51 47.9 41.8 62.6



#4

n-Nitrosodimethylamine

Concen: 45.689 ng

RT: 3.404 min Scan# 223

Delta R.T. 0.035 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

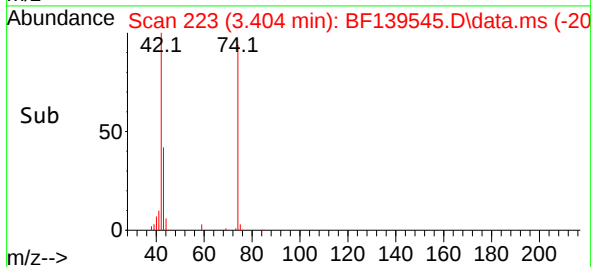
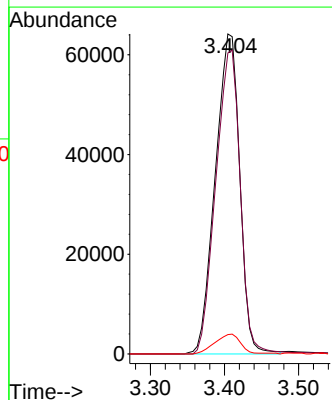
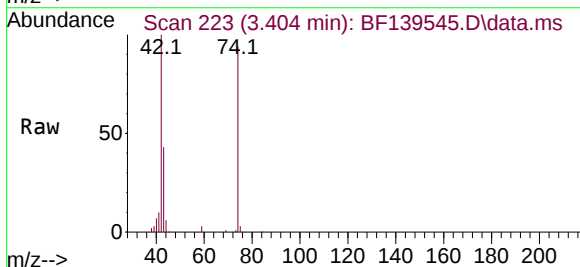
Tgt Ion: 42 Resp: 146867

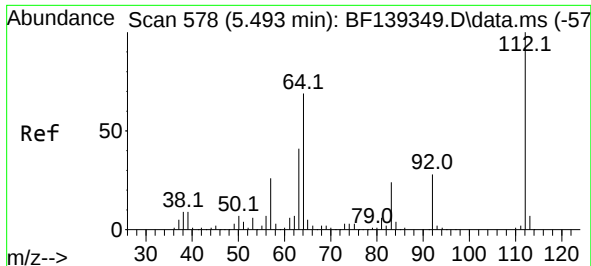
Ion Ratio Lower Upper

42 100

74 94.0 61.8 92.8#

44 6.1 4.8 7.2

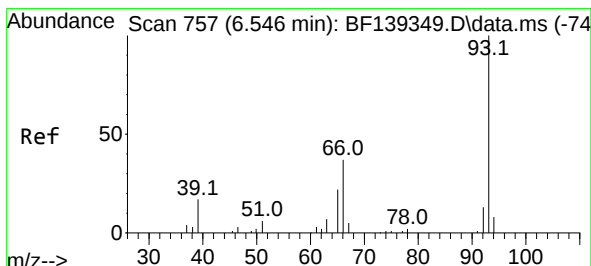
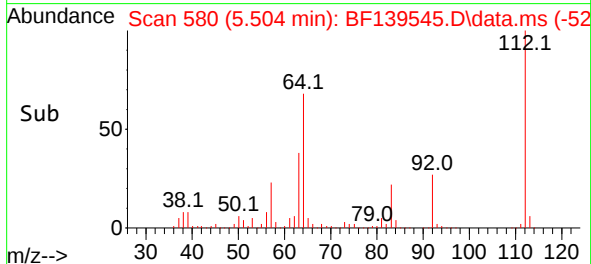
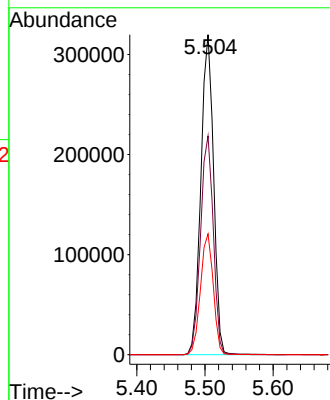
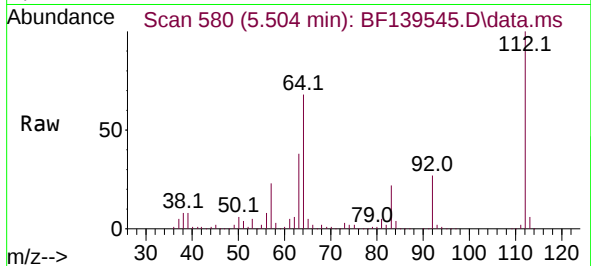




#5
2-Fluorophenol
Concen: 98.818 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.011 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

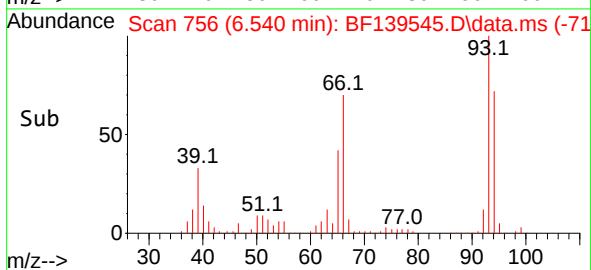
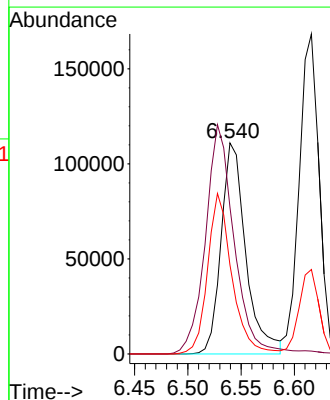
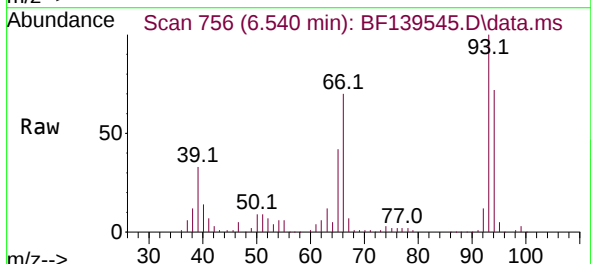
Instrument :
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Tgt Ion:112 Resp: 414307
Ion Ratio Lower Upper
112 100
64 68.4 54.8 82.2
63 37.7 33.0 49.4



#6
Aniline
Concen: 43.078 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.029 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion: 93 Resp: 178900
Ion Ratio Lower Upper
93 100
66 69.5 35.4 53.0#
65 42.1 18.2 27.4#

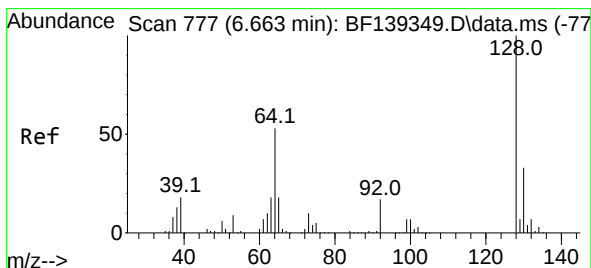
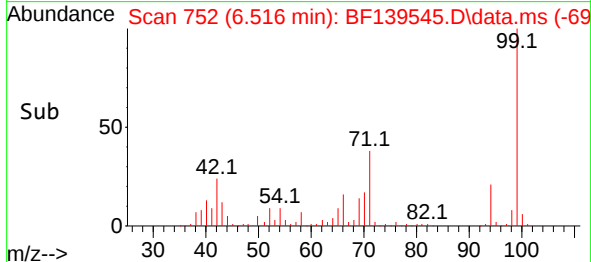
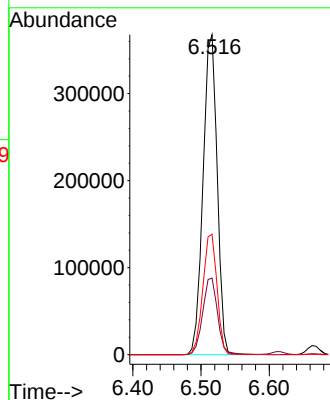
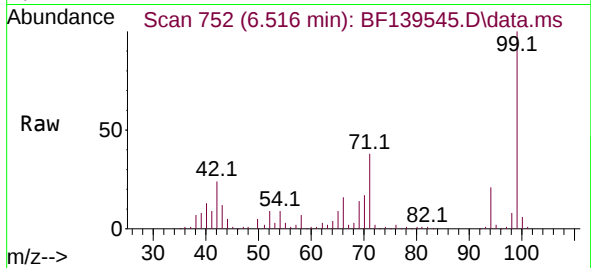




#7
Phenol-d6
Concen: 96.353 ng
RT: 6.516 min Scan# 711
Delta R.T. 0.012 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

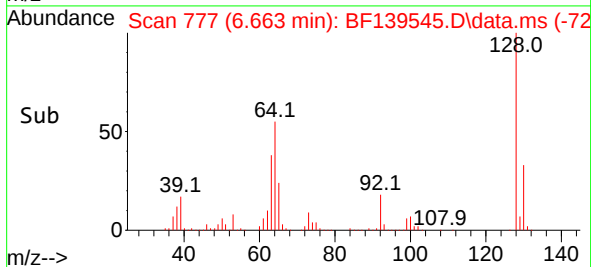
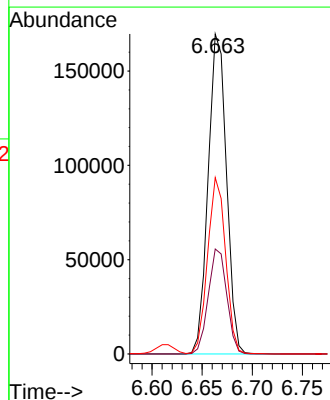
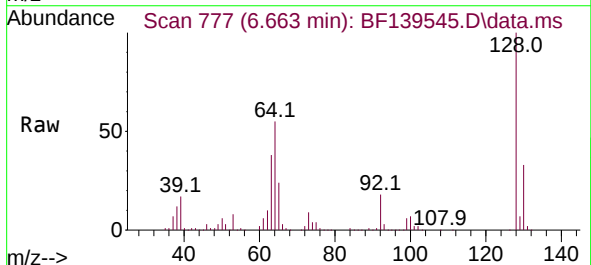
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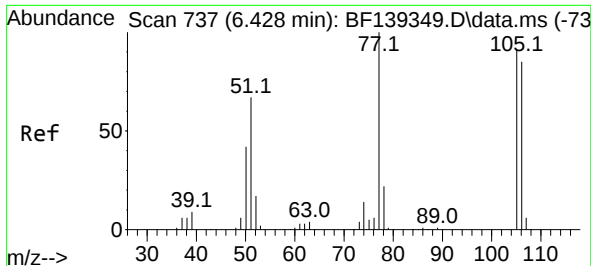
Tgt Ion: 99 Resp: 530239
Ion Ratio Lower Upper
99 100
42 24.0 21.9 32.9
71 37.7 34.6 52.0



#8
2-Chlorophenol
Concen: 50.126 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion: 128 Resp: 216334
Ion Ratio Lower Upper
128 100
130 32.8 12.8 52.8
64 55.1 35.1 75.1





#9

Benzaldehyde

Concen: 12.654 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

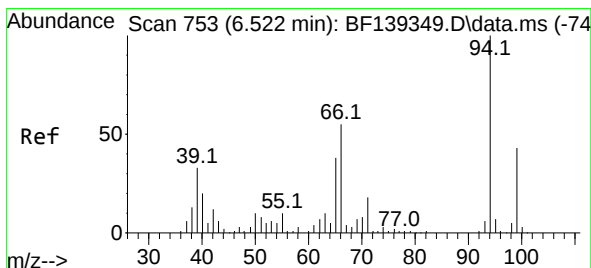
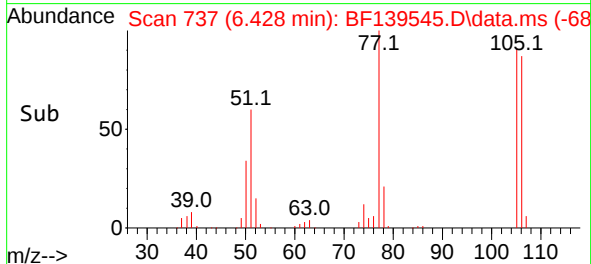
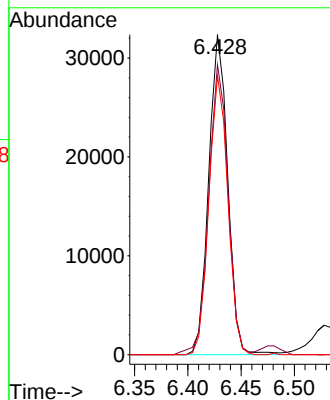
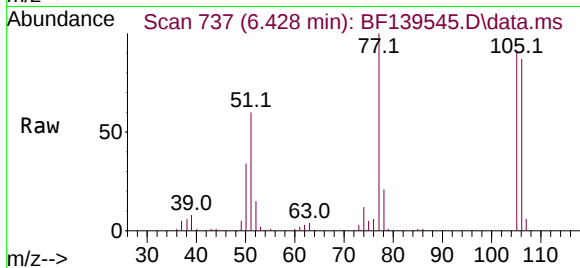
Tgt Ion: 77 Resp: 40233

Ion Ratio Lower Upper

77 100

105 90.6 71.0 111.0

106 87.2 64.9 104.9



#10

Phenol

Concen: 50.196 ng

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

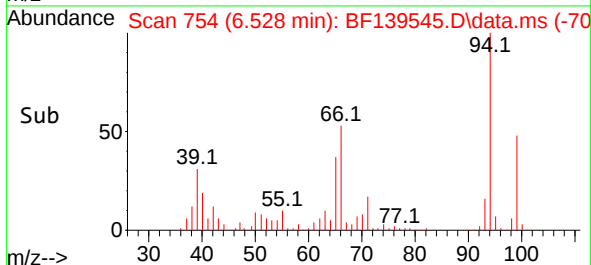
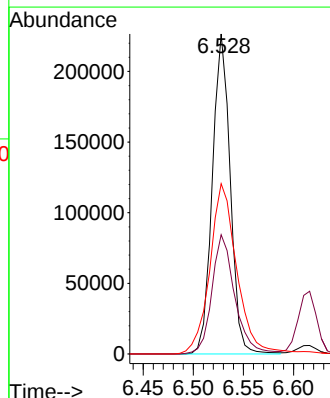
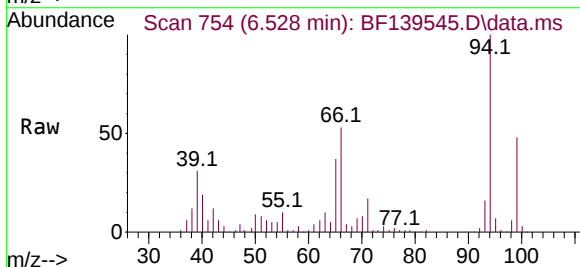
Tgt Ion: 94 Resp: 281342

Ion Ratio Lower Upper

94 100

65 37.3 17.6 57.6

66 53.2 35.2 75.2





#11

bis(2-Chloroethyl)ether

Concen: 50.784 ng

RT: 6.616 min Scan# 769

Delta R.T. -0.000 min

Lab File: BF139545.D

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Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

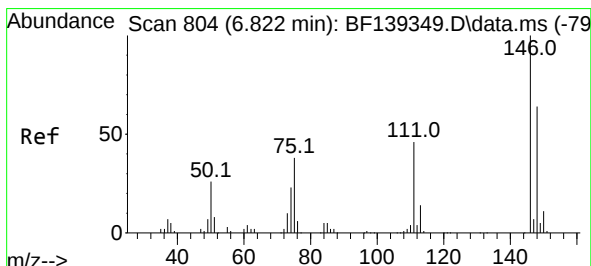
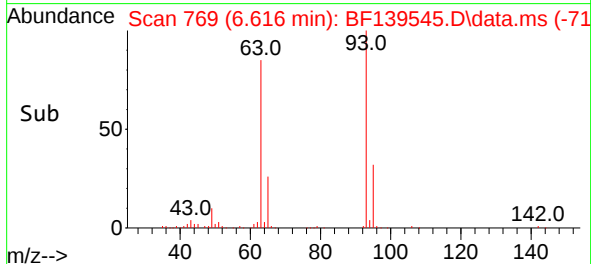
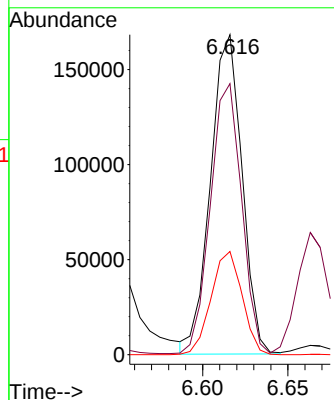
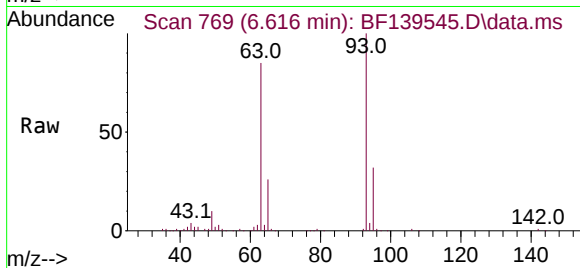
Tgt Ion: 93 Resp: 216339

Ion Ratio Lower Upper

93 100

63 84.7 65.3 105.3

95 32.2 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 47.288 ng

RT: 6.822 min Scan# 804

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

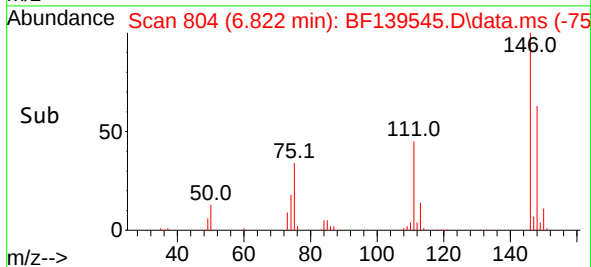
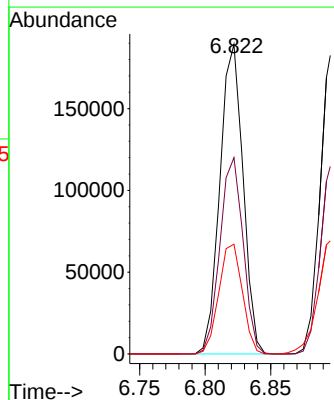
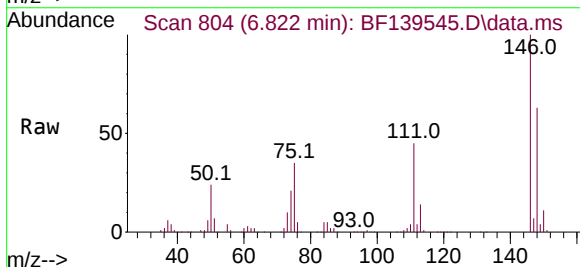
Tgt Ion: 146 Resp: 232097

Ion Ratio Lower Upper

146 100

148 63.4 51.2 76.8

75 35.5 30.6 46.0

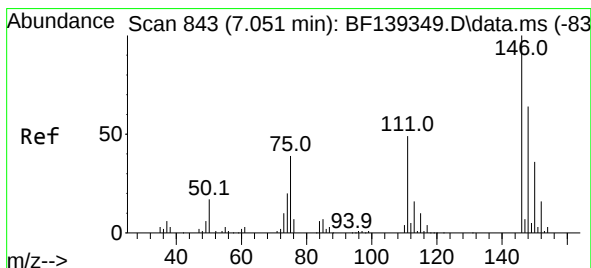
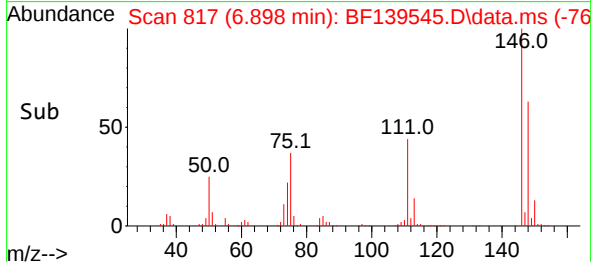
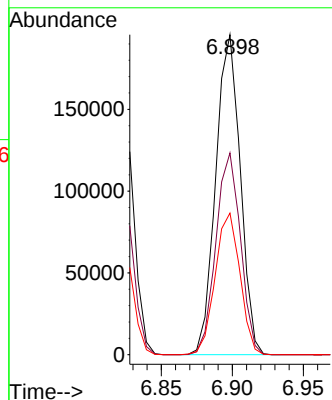
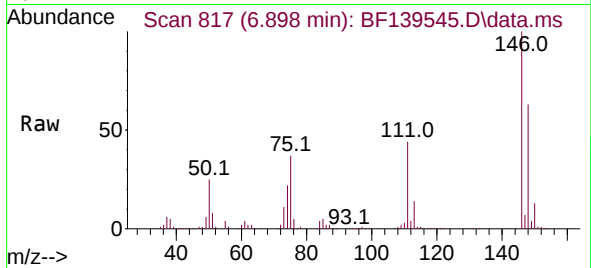




#13
1,4-Dichlorobenzene
Concen: 47.413 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

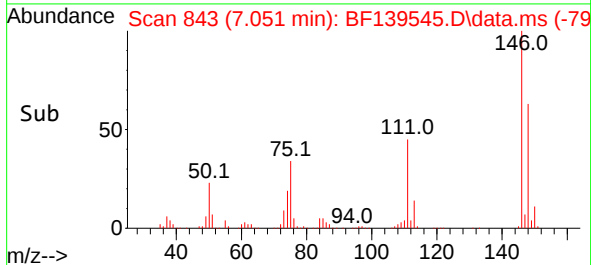
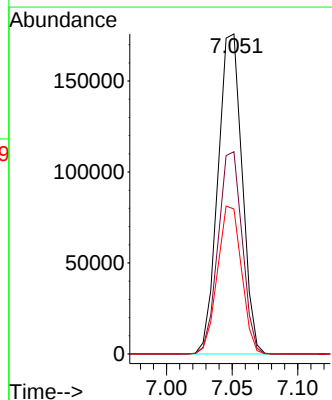
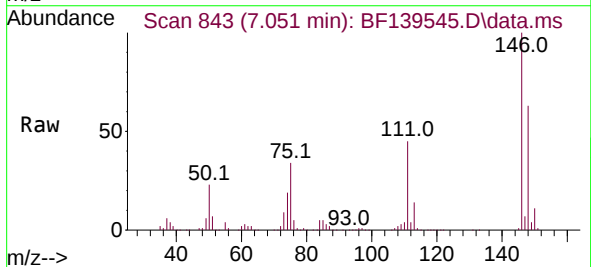
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

Tgt Ion:146 Resp: 235168
Ion Ratio Lower Upper
146 100
148 63.1 50.9 76.3
111 44.2 36.3 54.5



#14
1,2-Dichlorobenzene
Concen: 48.032 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:146 Resp: 225114
Ion Ratio Lower Upper
146 100
148 63.2 50.9 76.3
111 45.3 38.9 58.3

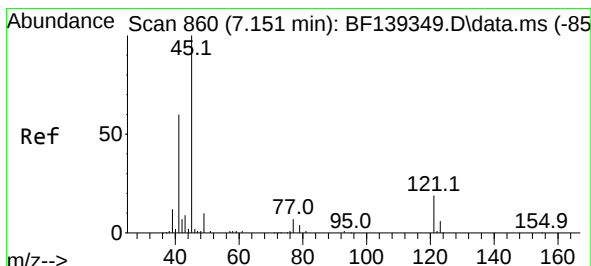
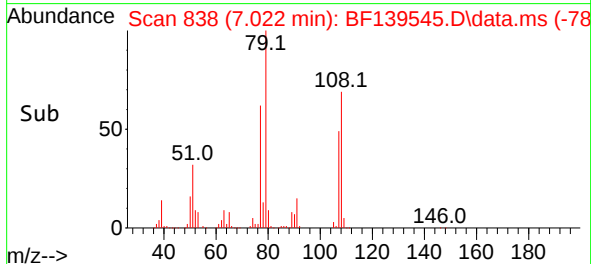
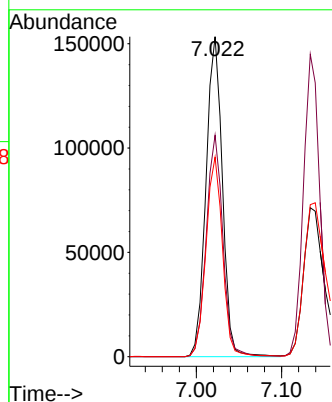
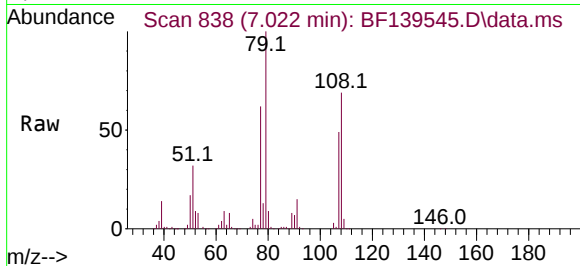




#15
Benzyl Alcohol
Concen: 46.739 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

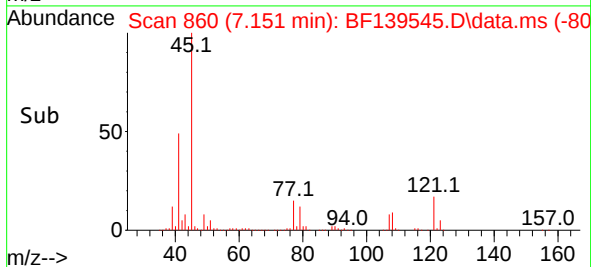
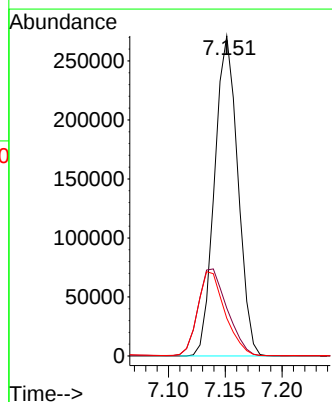
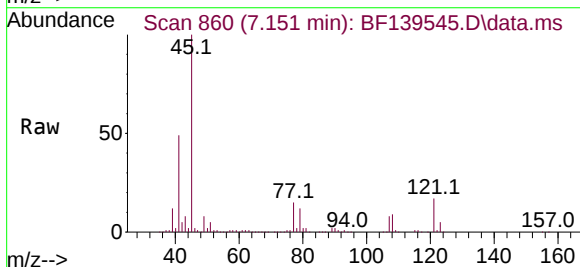
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

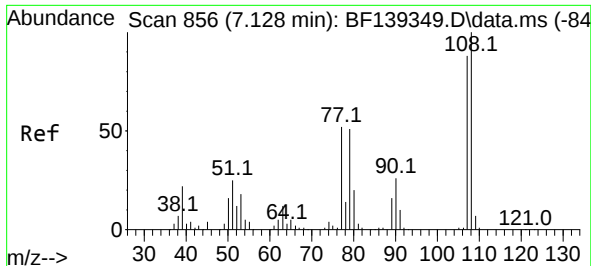
Tgt Ion: 79 Resp: 205207
Ion Ratio Lower Upper
79 100
108 69.2 50.4 75.6
77 62.3 51.4 77.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.818 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion: 45 Resp: 386149
Ion Ratio Lower Upper
45 100
77 15.0 0.0 32.0
79 11.8 0.0 29.1

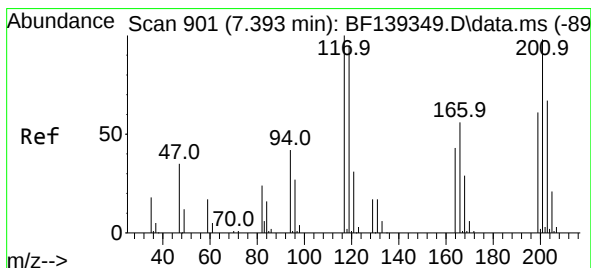
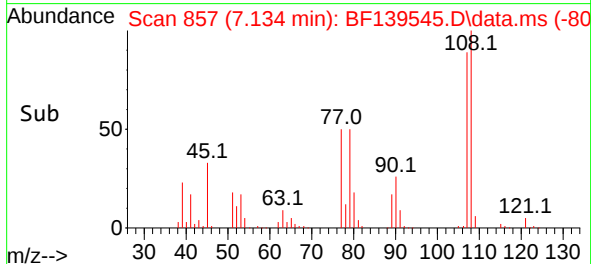
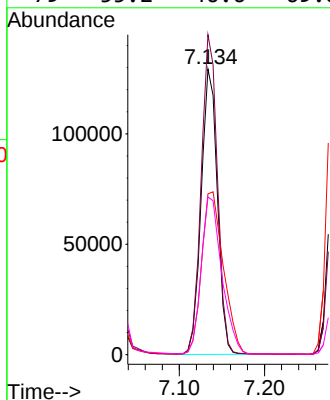
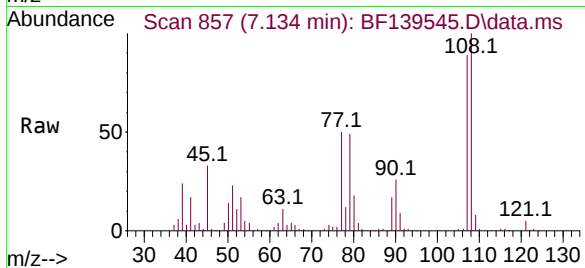




#17
2-Methylphenol
Concen: 49.761 ng
RT: 7.134 min Scan# 856
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

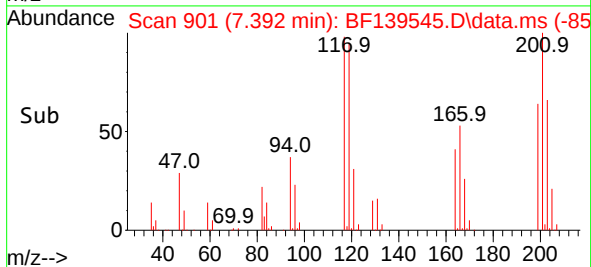
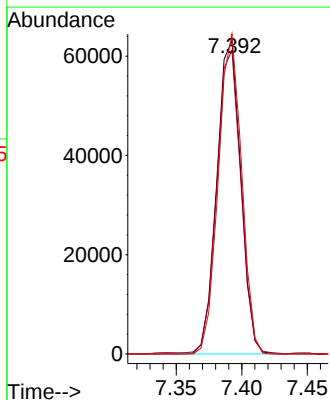
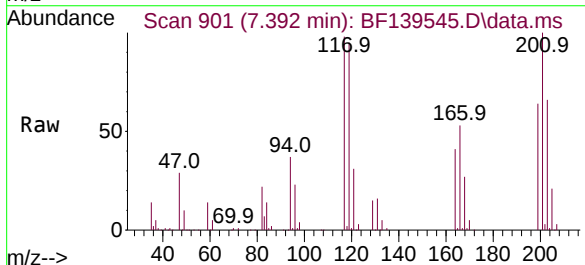
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

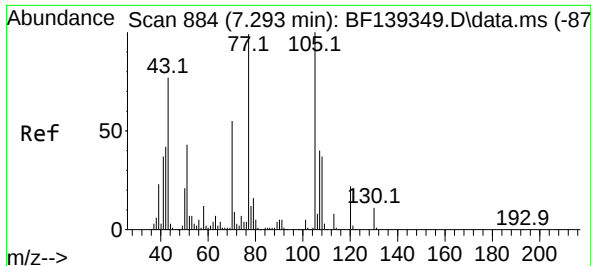
Tgt Ion:	107	Resp:	170627
Ion	Ratio	Lower	Upper
107	100		
108	112.0	90.5	135.7
77	56.3	47.1	70.7
79	55.2	46.6	69.8



#18
Hexachloroethane
Concen: 42.427 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:	117	Resp:	80152
Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.8	113.8
201	102.2	78.6	118.0



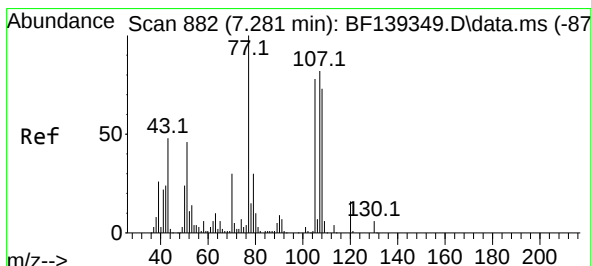
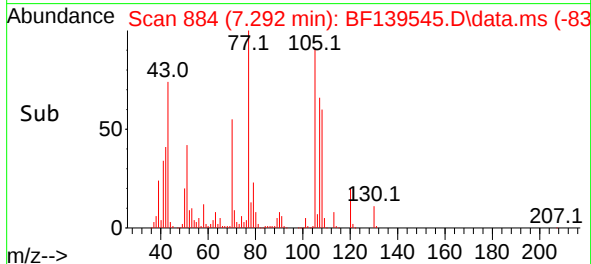
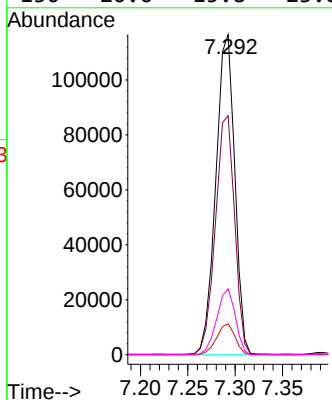
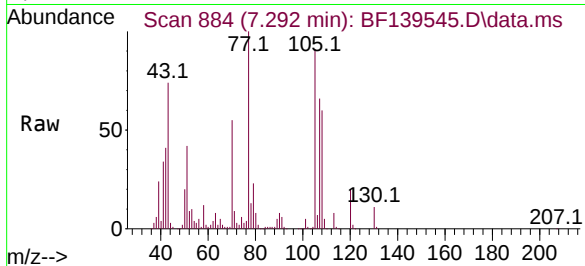


#19
n-Nitroso-di-n-propylamine
Concen: 49.905 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

Tgt Ion: 70 Resp: 162743

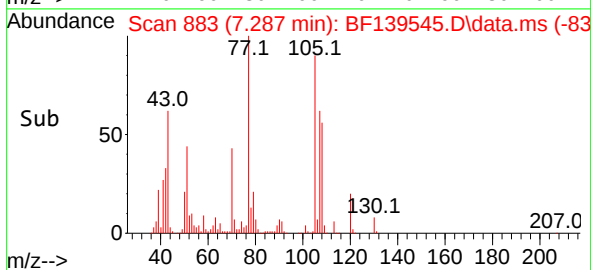
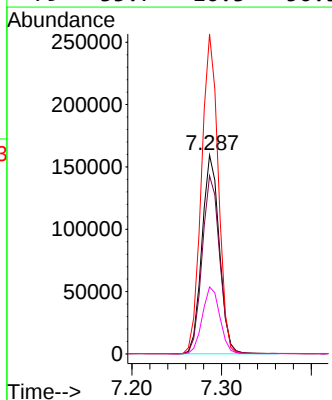
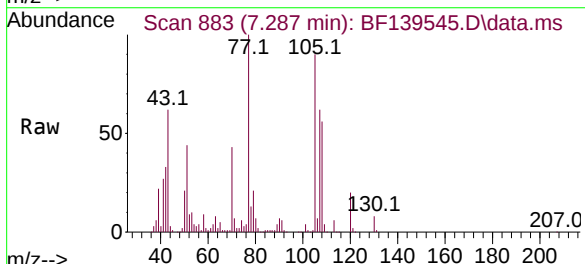
Ion	Ratio	Lower	Upper
70	100		
42	74.7	61.2	91.8
101	9.6	7.5	11.3
130	20.6	15.8	23.8

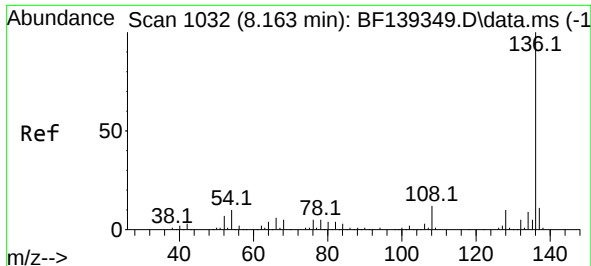


#20
3+4-Methylphenols
Concen: 45.892 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion: 107 Resp: 214687

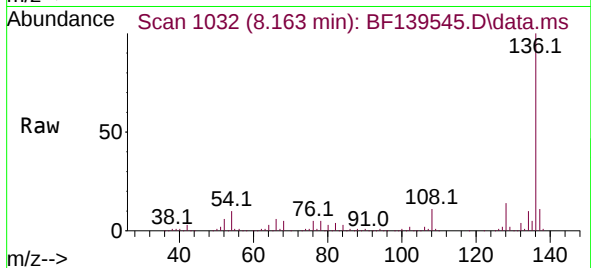
Ion	Ratio	Lower	Upper
107	100		
108	89.6	68.6	108.6
77	160.9	101.6	141.6#
79	33.7	16.3	56.3



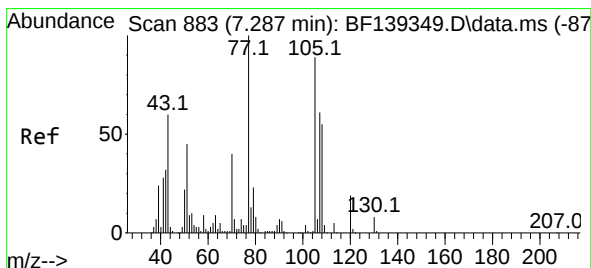
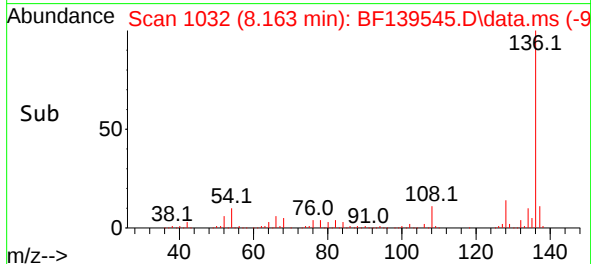
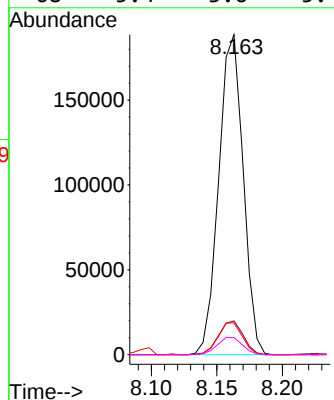


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

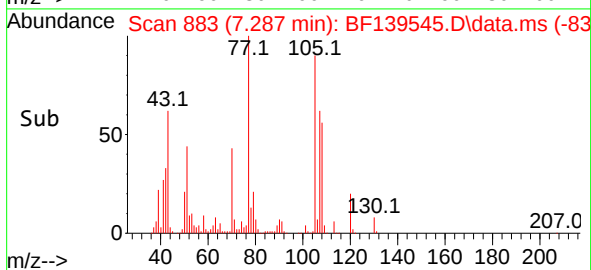
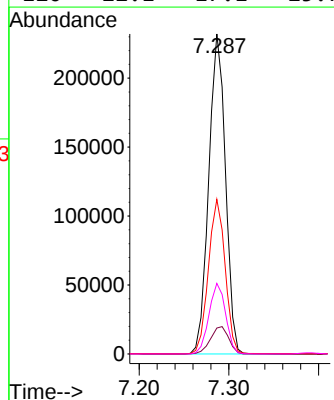
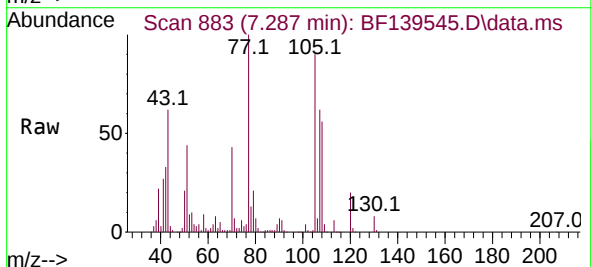


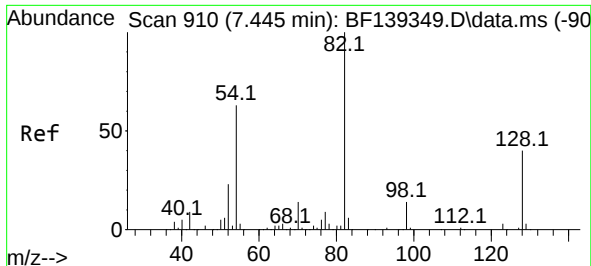
Tgt Ion:	136	Resp:	244093
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.6	12.8
54	9.9	7.8	11.8
68	5.4	3.6	5.4



#22
Acetophenone
Concen: 46.981 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:	105	Resp:	299803
Ion Ratio	Lower	Upper	
105	100		
71	8.1	5.9	8.9
51	48.3	40.0	60.0
120	22.1	17.1	25.7





#23

Nitrobenzene-d5

Concen: 67.752 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

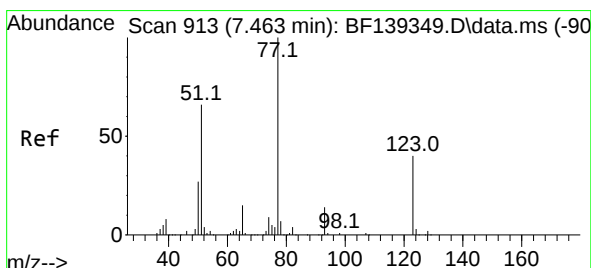
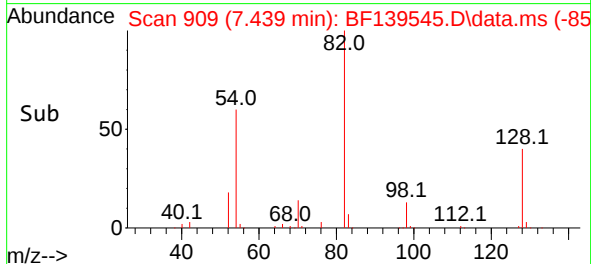
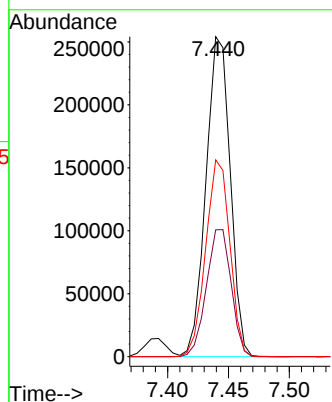
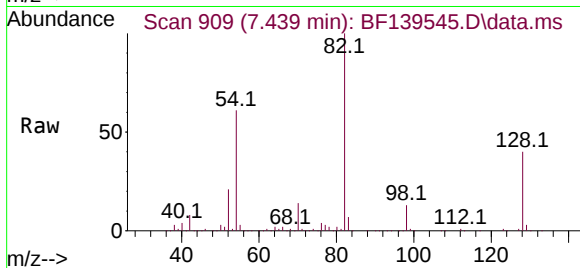
Tgt Ion: 82 Resp: 351780

Ion Ratio Lower Upper

82 100

128 39.7 31.8 47.6

54 61.5 50.6 75.8



#24

Nitrobenzene

Concen: 46.021 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

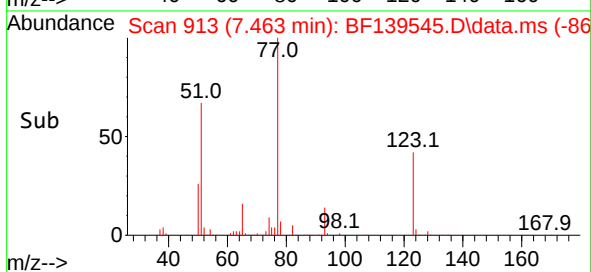
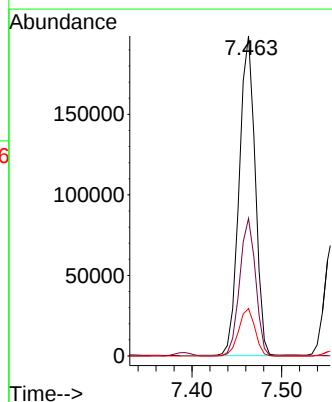
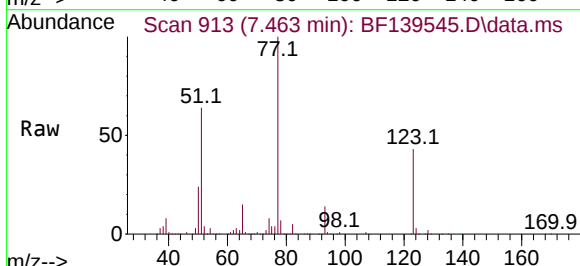
Tgt Ion: 77 Resp: 245933

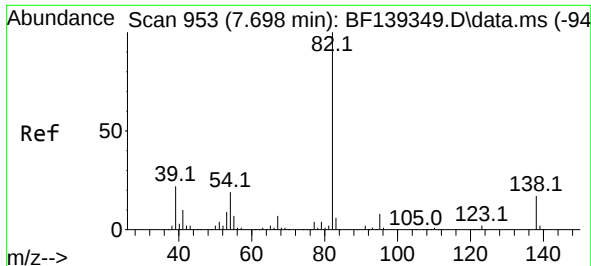
Ion Ratio Lower Upper

77 100

123 43.0 32.2 48.4

65 14.8 12.2 18.4

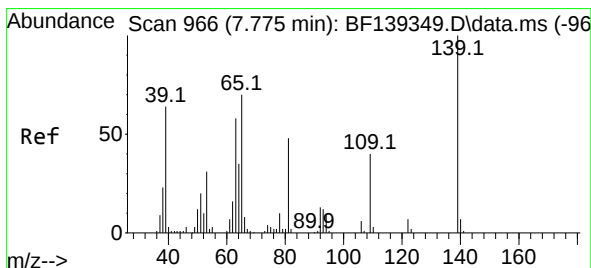
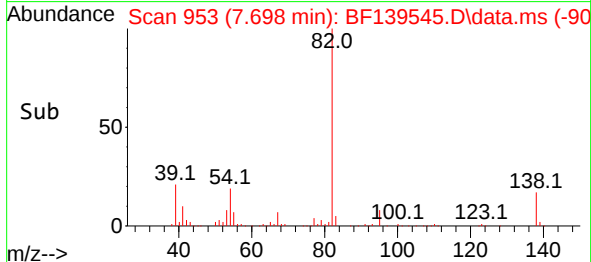
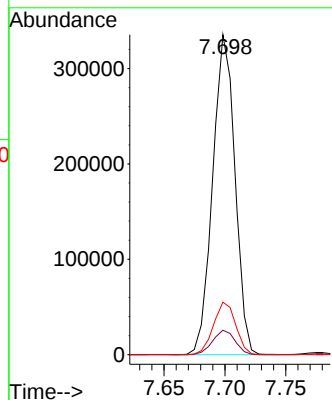
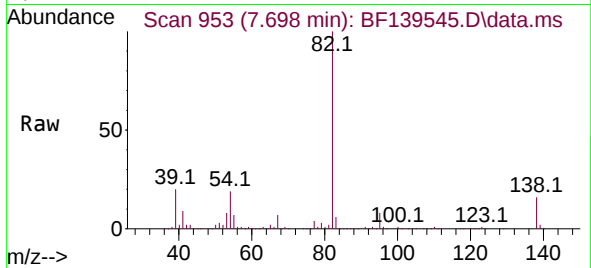




#25
Isophorone
Concen: 51.996 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

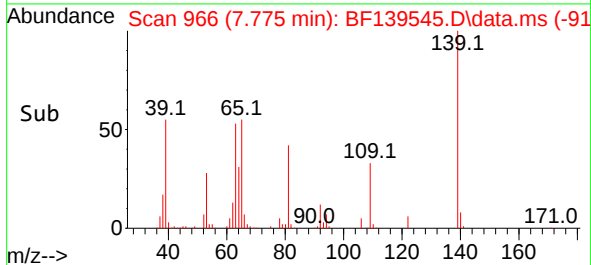
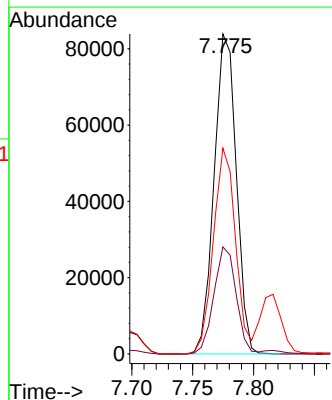
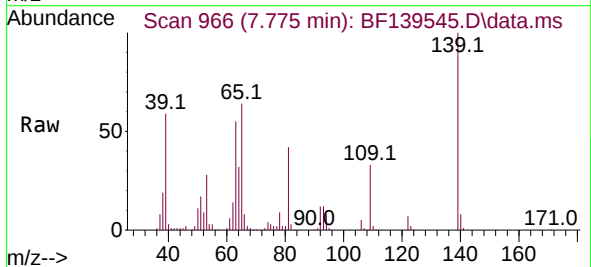
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

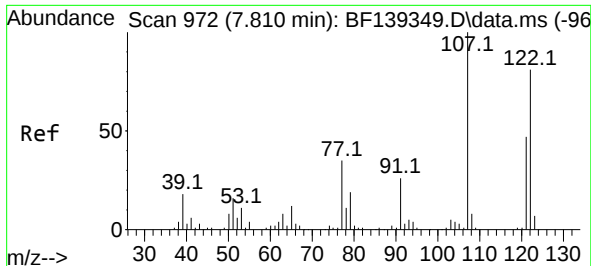
Tgt Ion: 82 Resp: 426970
Ion Ratio Lower Upper
82 100
95 7.6 6.7 10.1
138 16.4 13.3 19.9



#26
2-Nitrophenol
Concen: 51.069 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:139 Resp: 106324
Ion Ratio Lower Upper
139 100
109 33.5 32.2 48.2
65 64.3 55.8 83.8





#27

2,4-Dimethylphenol

Concen: 58.406 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

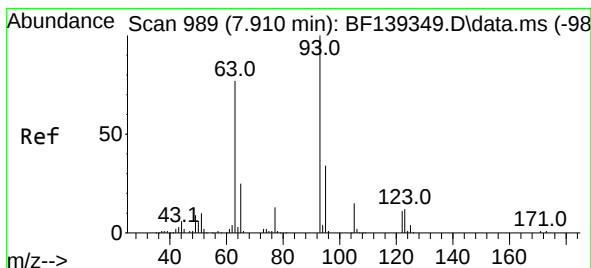
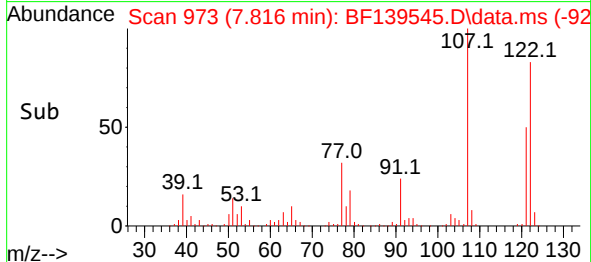
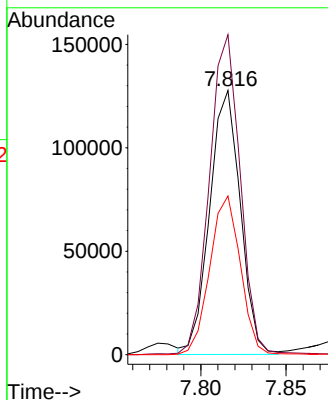
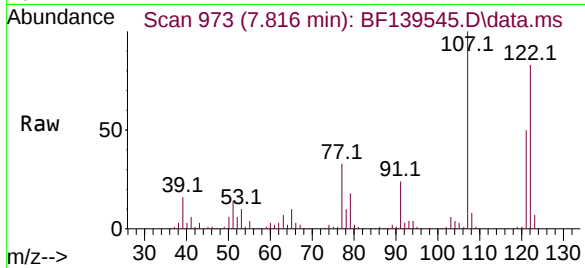
Tgt Ion:122 Resp: 160400

Ion Ratio Lower Upper

122 100

107 121.1 99.1 148.7

121 60.1 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 53.816 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

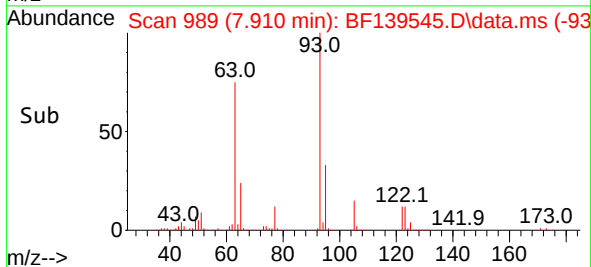
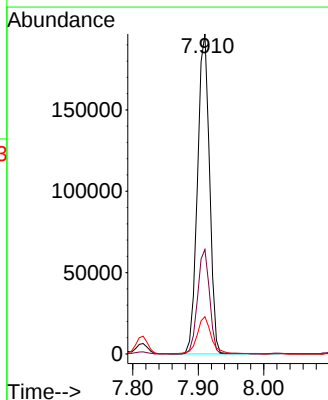
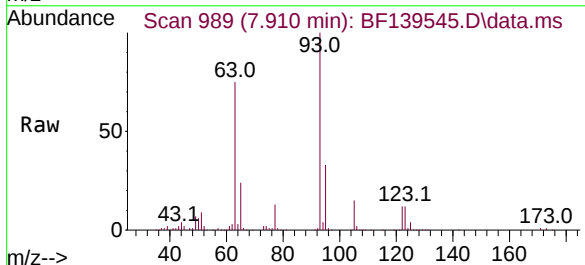
Tgt Ion: 93 Resp: 251856

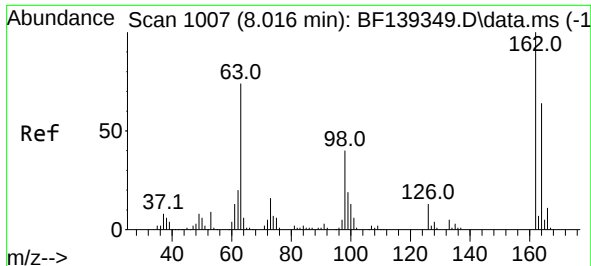
Ion Ratio Lower Upper

93 100

95 32.7 26.9 40.3

123 11.7 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 48.608 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

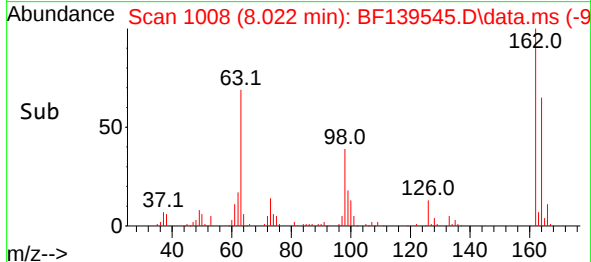
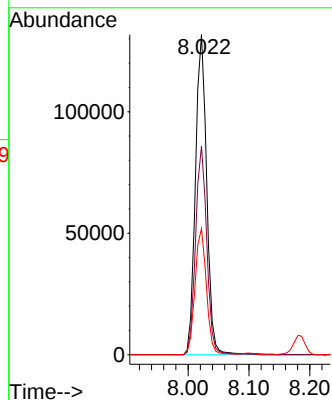
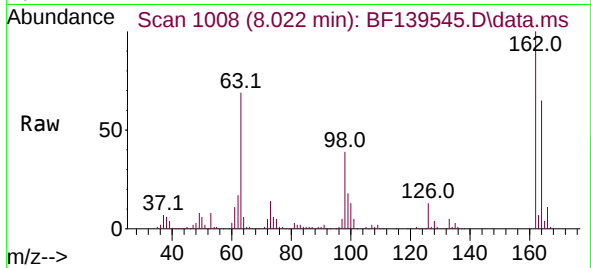
Tgt Ion:162 Resp: 169583

Ion Ratio Lower Upper

162 100

164 65.2 43.6 83.6

98 39.3 19.7 59.7



#30

1,2,4-Trichlorobenzene

Concen: 45.613 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

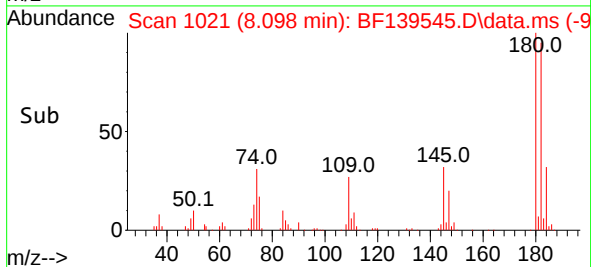
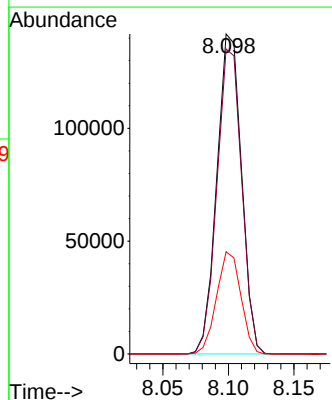
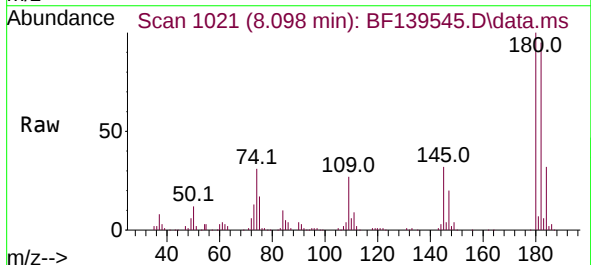
Tgt Ion:180 Resp: 185419

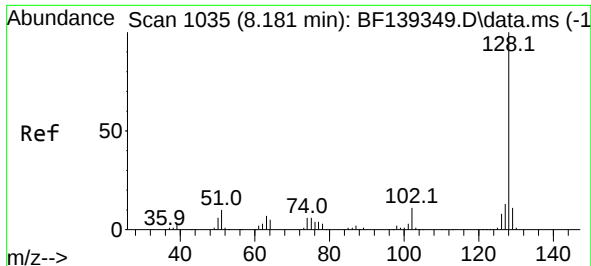
Ion Ratio Lower Upper

180 100

182 95.3 75.7 113.5

145 31.9 26.5 39.7

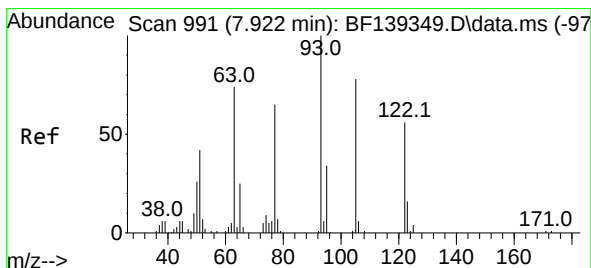
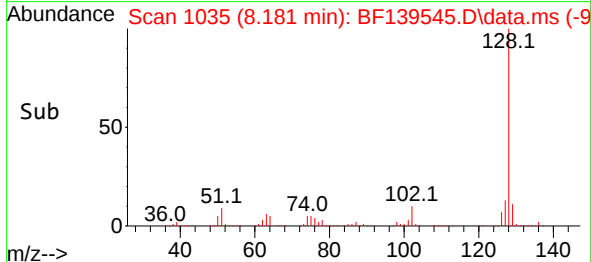
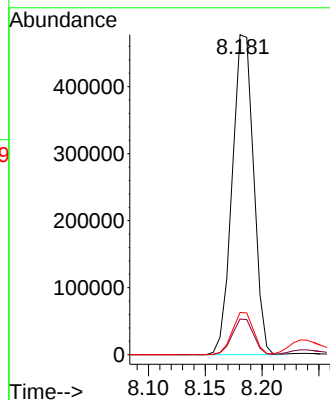
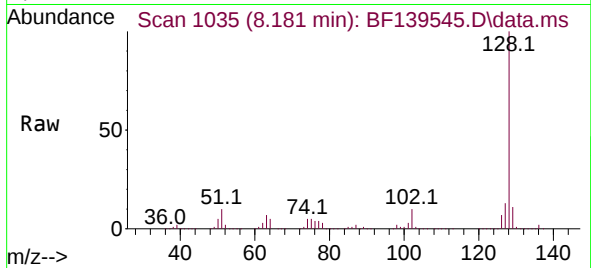




#31
Naphthalene
Concen: 49.094 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

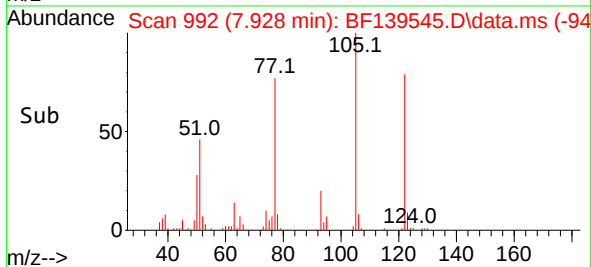
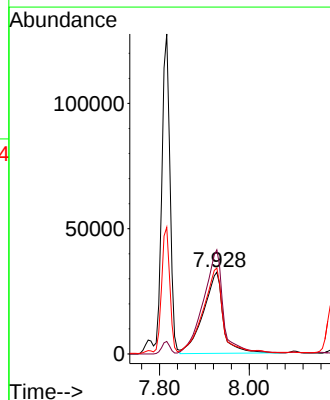
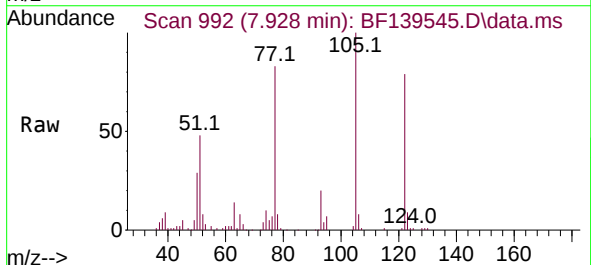
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

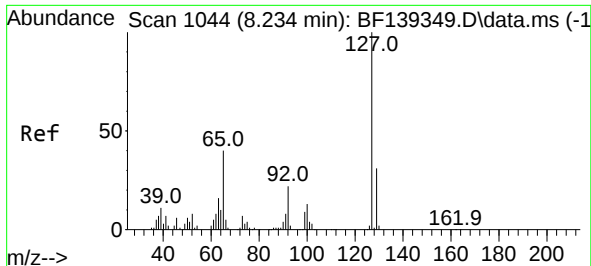
Tgt Ion:128 Resp: 625611
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 38.583 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:122 Resp: 99161
Ion Ratio Lower Upper
122 100
105 127.3 117.1 157.1
77 105.1 95.4 135.4

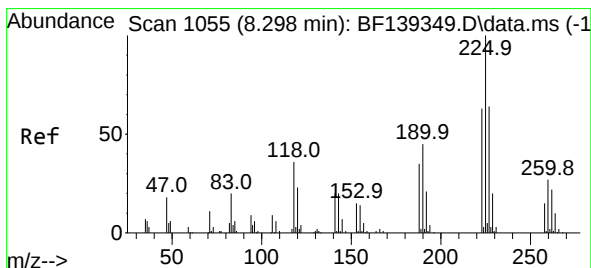
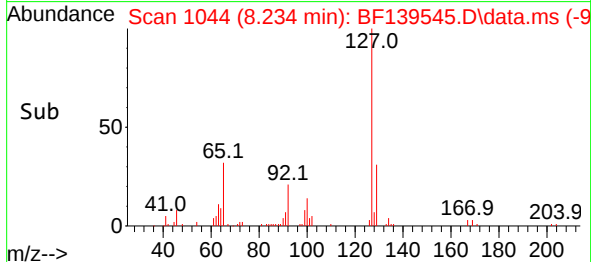
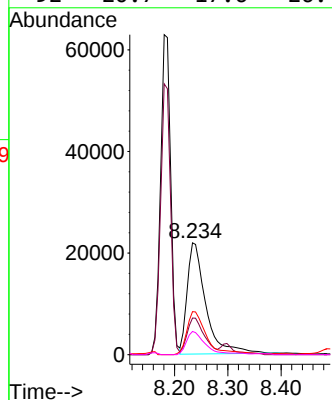
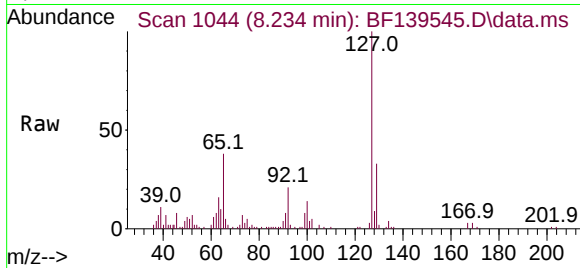




#33
4-Chloroaniline
Concen: 13.626 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

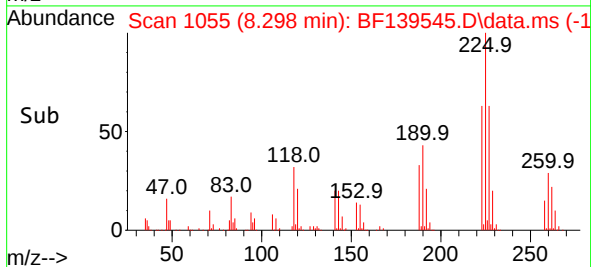
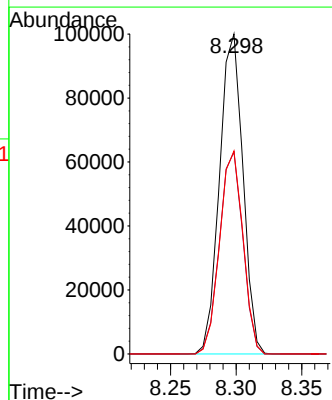
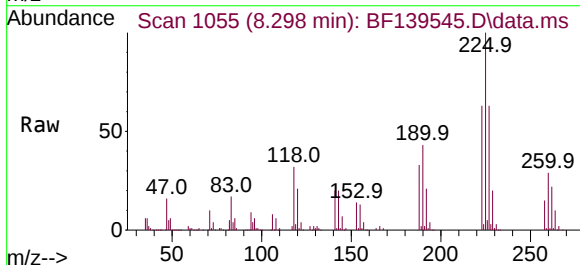
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

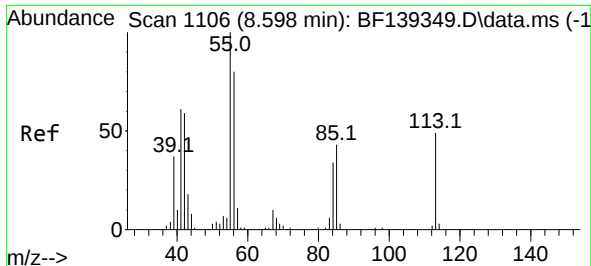
Tgt Ion:	127	Resp:	53118
Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.5	38.3
65	38.4	31.5	47.3
92	20.7	17.6	26.4



#34
Hexachlorobutadiene
Concen: 44.876 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:	225	Resp:	123938
Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.1	75.1
227	63.4	51.0	76.6

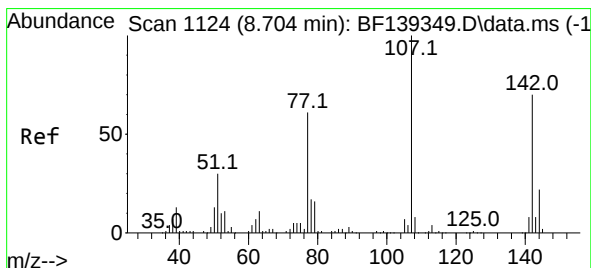
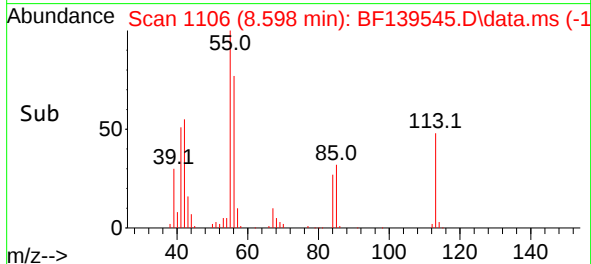
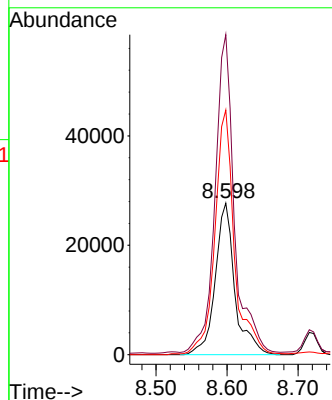
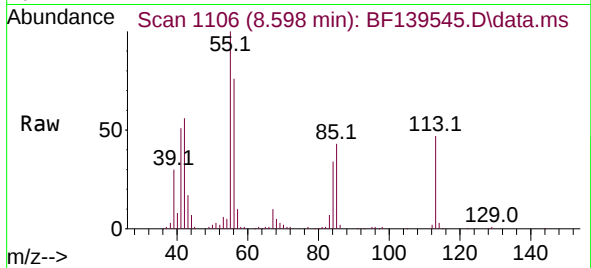




#35
 Caprolactam
 Concen: 49.450 ng
 RT: 8.598 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: BF139545.D
 Acq: 25 Sep 2024 23:05

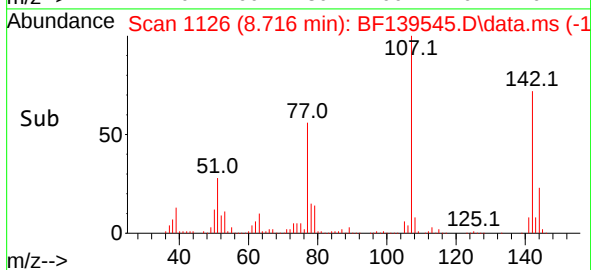
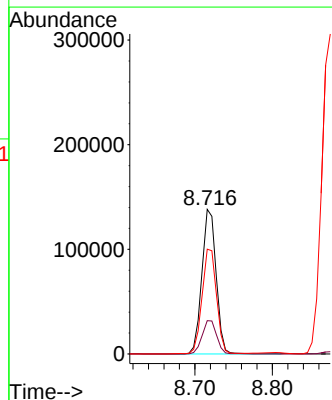
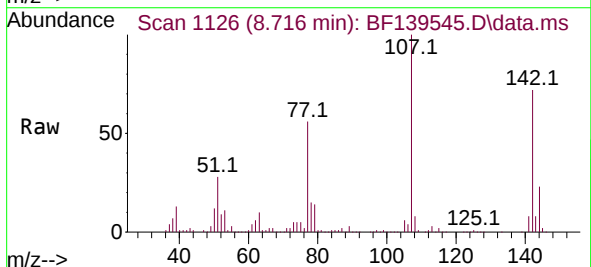
Instrument :
 BNA_F
 ClientSampleId :
 VNJ231MSD

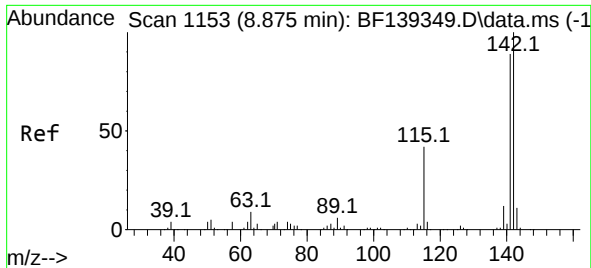
Tgt Ion:113 Resp: 53070
 Ion Ratio Lower Upper
 113 100
 55 211.2 186.1 226.1
 56 161.5 144.9 184.9



#36
 4-Chloro-3-methylphenol
 Concen: 44.437 ng
 RT: 8.716 min Scan# 1126
 Delta R.T. 0.012 min
 Lab File: BF139545.D
 Acq: 25 Sep 2024 23:05

Tgt Ion:107 Resp: 177179
 Ion Ratio Lower Upper
 107 100
 144 23.0 17.5 26.3
 142 72.5 55.8 83.8





#37

2-Methylnaphthalene

Concen: 47.945 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

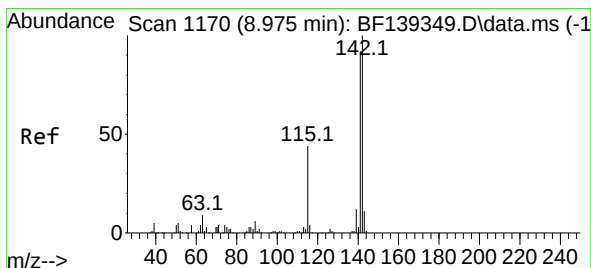
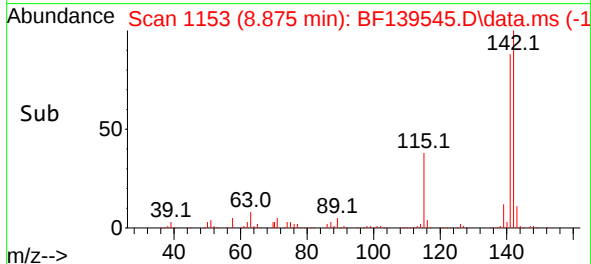
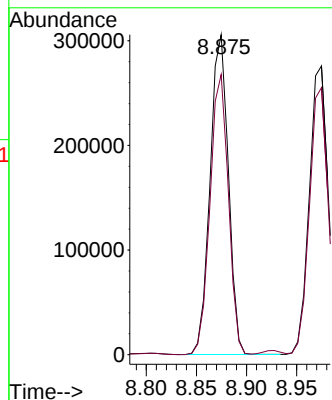
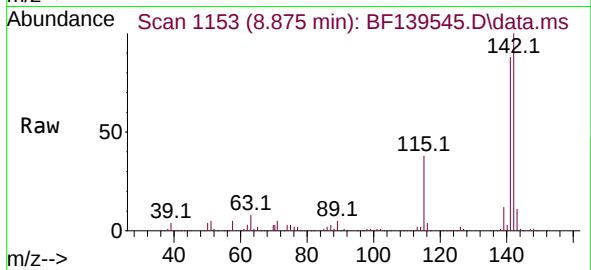
VNJ231MSD

Tgt Ion:142 Resp: 387798

Ion Ratio Lower Upper

142 100

141 87.6 71.6 107.4



#38

1-Methylnaphthalene

Concen: 44.798 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.000 min

Lab File: BF139545.D

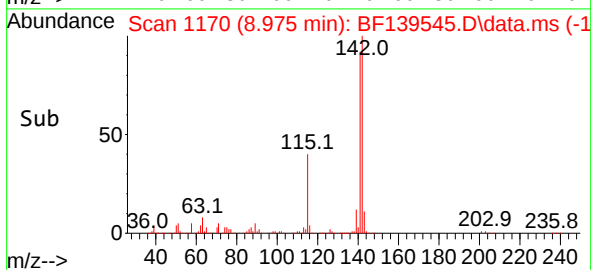
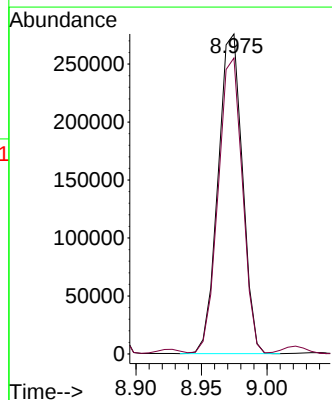
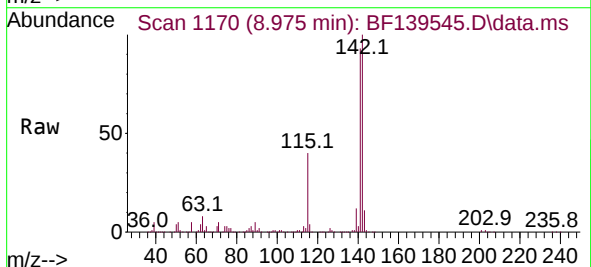
Acq: 25 Sep 2024 23:05

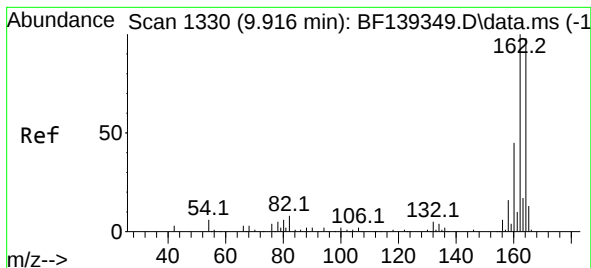
Tgt Ion:142 Resp: 355741

Ion Ratio Lower Upper

142 100

141 92.5 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

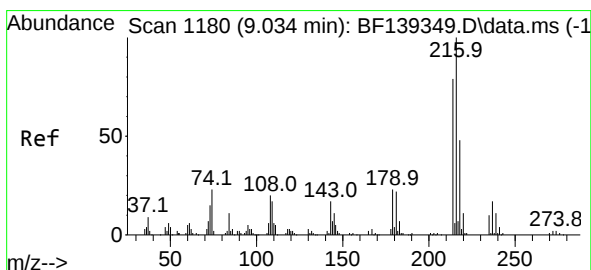
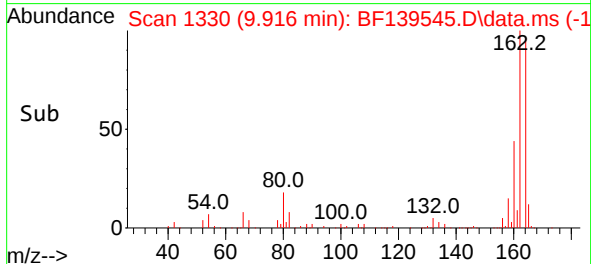
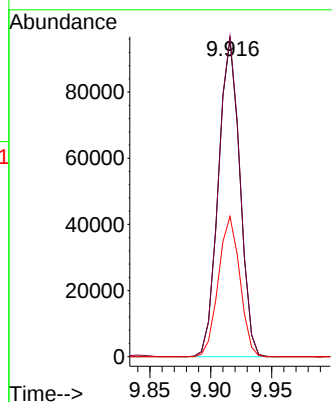
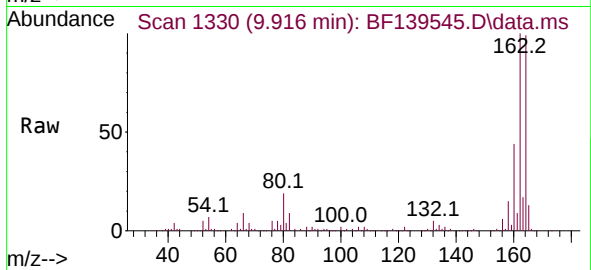
Tgt Ion:164 Resp: 117757

Ion Ratio Lower Upper

164 100

162 100.8 81.3 121.9

160 44.2 36.4 54.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.881 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Tgt Ion:216 Resp: 177572

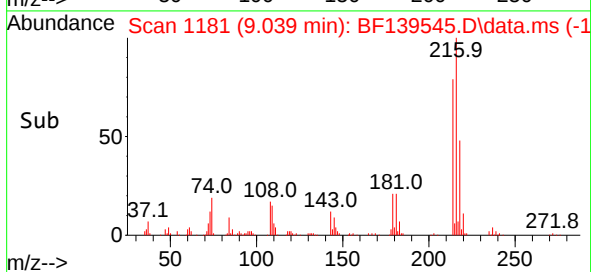
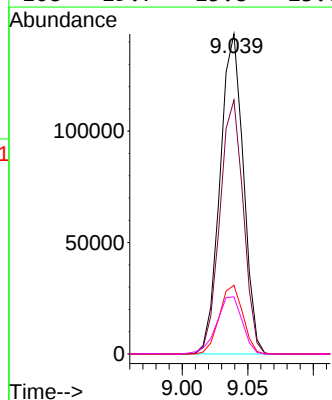
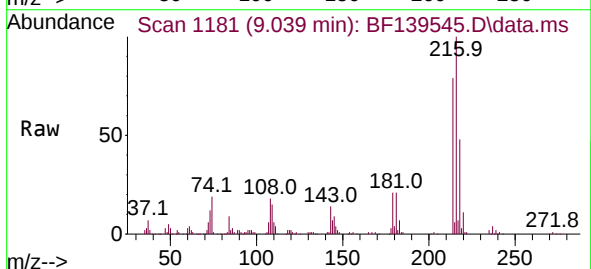
Ion Ratio Lower Upper

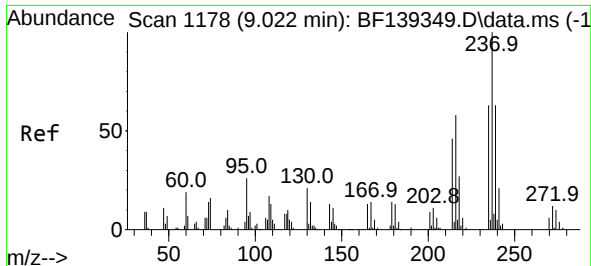
216 100

214 79.4 63.4 95.0

179 21.6 18.2 27.2

108 19.7 15.8 23.6

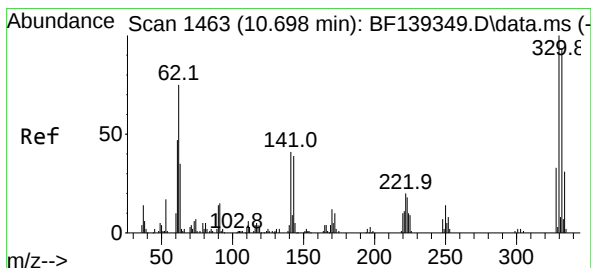
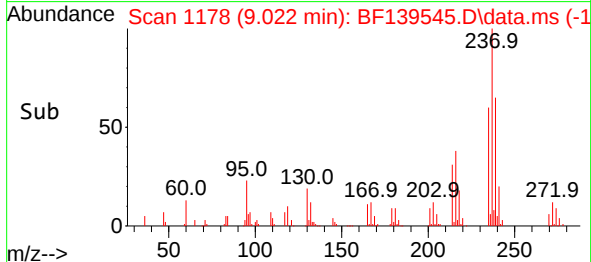
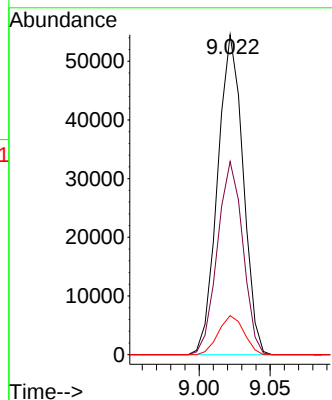
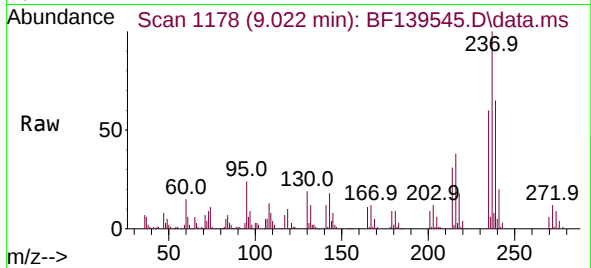




#41
Hexachlorocyclopentadiene
Concen: 55.793 ng
RT: 9.022 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

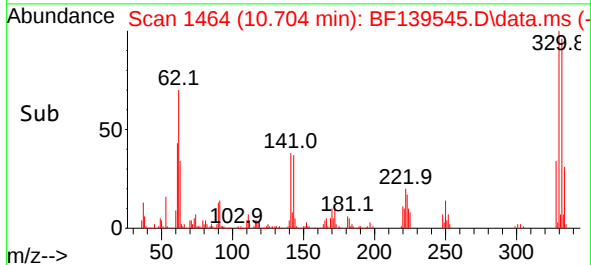
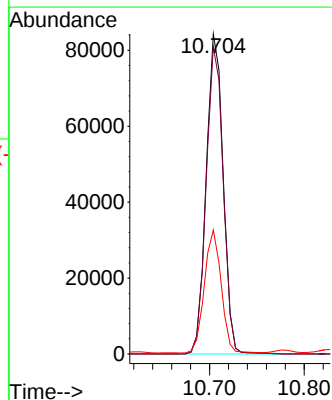
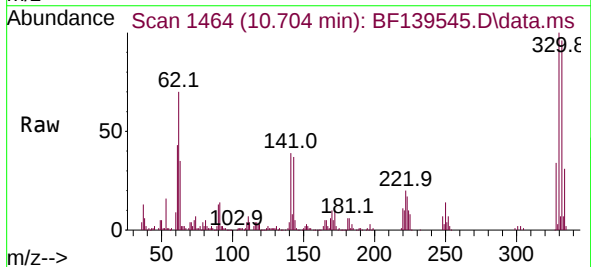
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

Tgt Ion:237 Resp: 67986
Ion Ratio Lower Upper
237 100
235 60.4 42.7 82.7
272 12.2 0.0 32.5



#42
2,4,6-Tribromophenol
Concen: 83.283 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:330 Resp: 104409
Ion Ratio Lower Upper
330 100
332 96.7 75.2 112.8
141 38.3 31.2 46.8





#43

2,4,6-Trichlorophenol

Concen: 50.526 ng

RT: 9.151 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

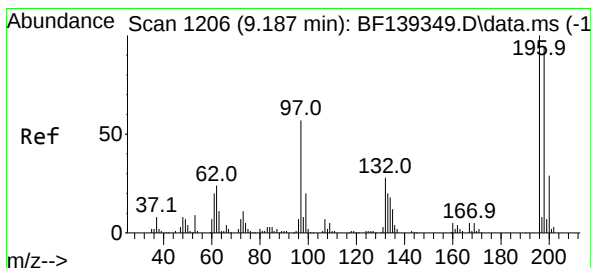
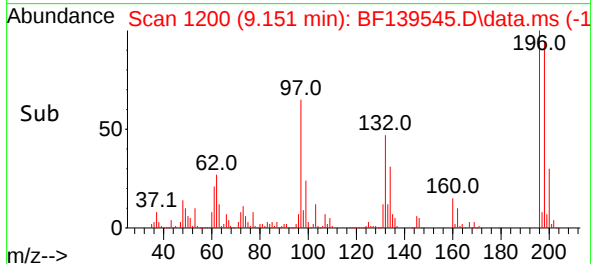
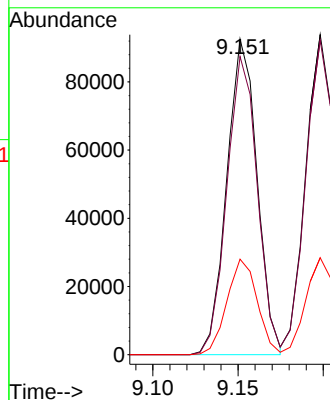
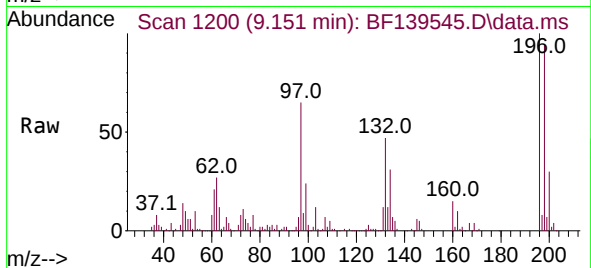
Tgt Ion:196 Resp: 114721

Ion Ratio Lower Upper

196 100

198 94.5 75.8 113.6

200 30.3 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 48.771 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.012 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Tgt Ion:196 Resp: 116809

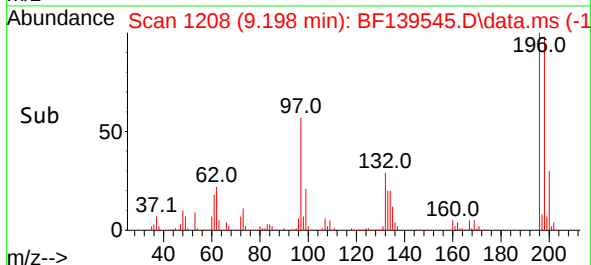
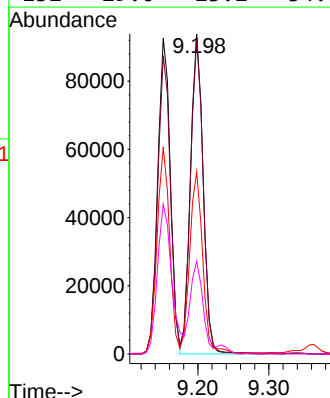
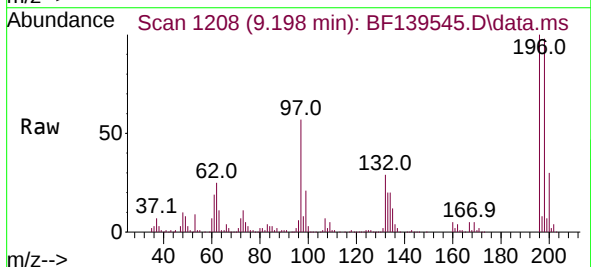
Ion Ratio Lower Upper

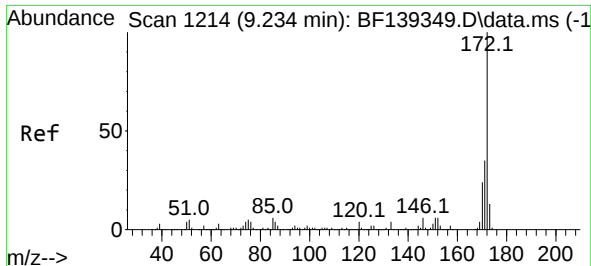
196 100

198 98.2 74.8 112.2

97 56.9 47.3 70.9

132 29.0 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 71.735 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

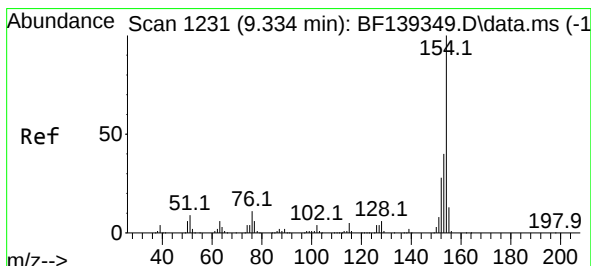
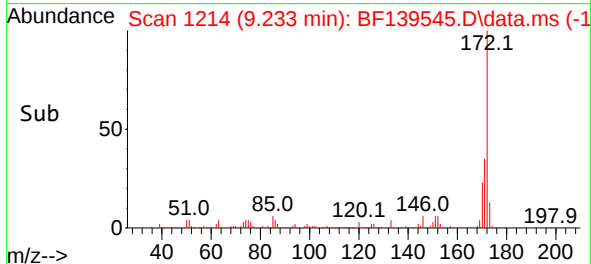
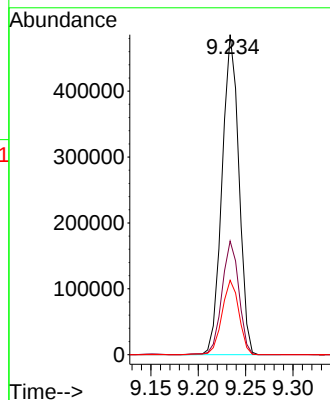
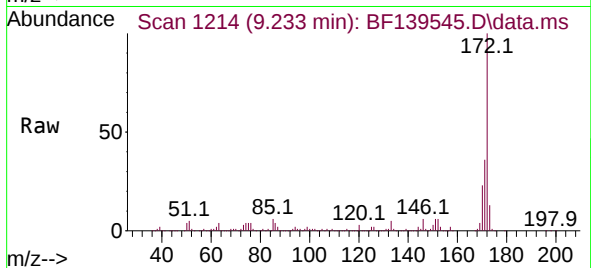
Tgt Ion:172 Resp: 602291

Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.2 19.0 28.6



#46

1,1'-Biphenyl

Concen: 51.854 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

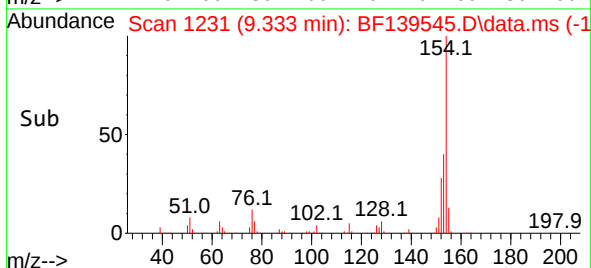
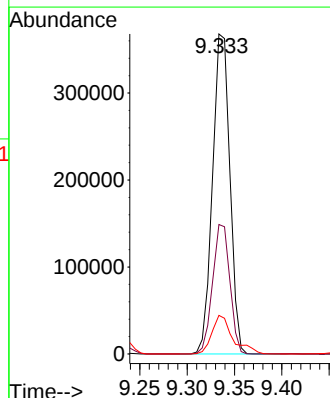
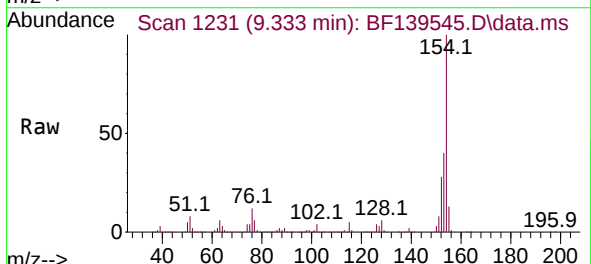
Tgt Ion:154 Resp: 469764

Ion Ratio Lower Upper

154 100

153 40.5 20.1 60.1

76 12.0 0.0 31.1





#47

2-Chloronaphthalene

Concen: 50.369 ng

RT: 9.363 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

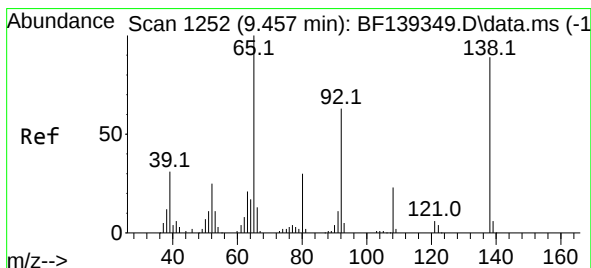
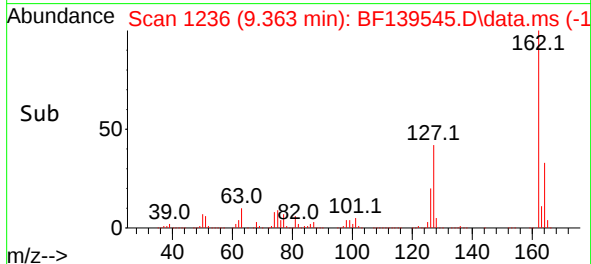
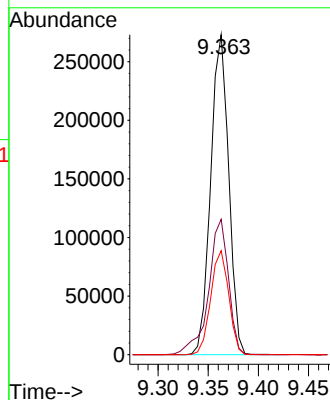
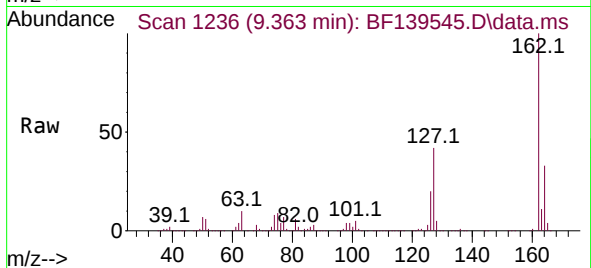
Tgt Ion:162 Resp: 341184

Ion Ratio Lower Upper

162 100

127 42.3 35.0 52.4

164 32.5 25.8 38.6



#48

2-Nitroaniline

Concen: 50.824 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

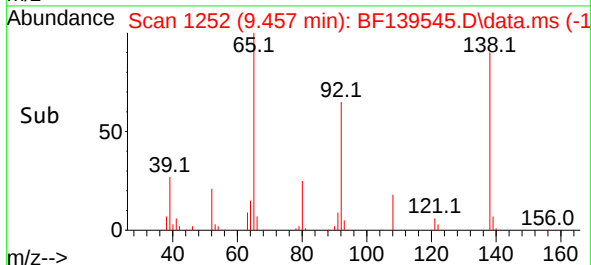
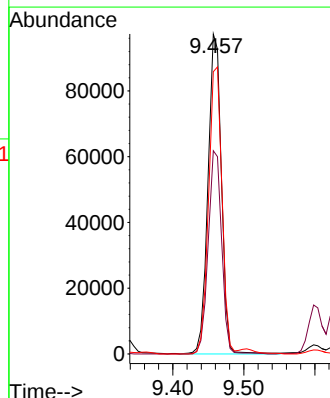
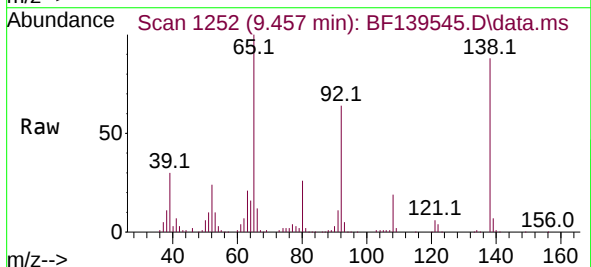
Tgt Ion: 65 Resp: 128049

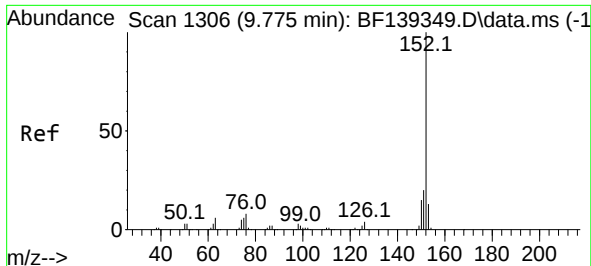
Ion Ratio Lower Upper

65 100

92 63.5 50.3 75.5

138 88.2 71.3 106.9





#49

Acenaphthylene

Concen: 57.455 ng

RT: 9.781 min Scan# 1307

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

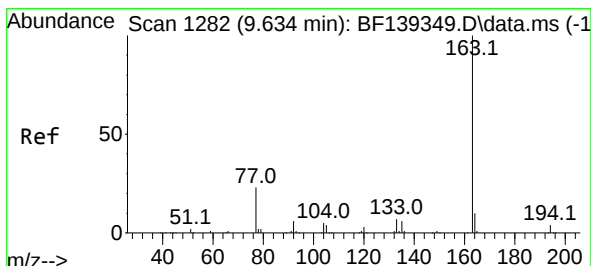
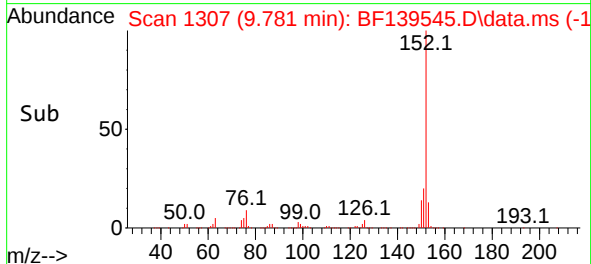
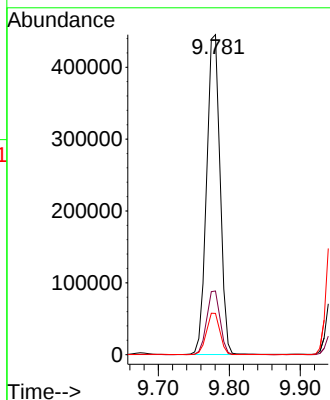
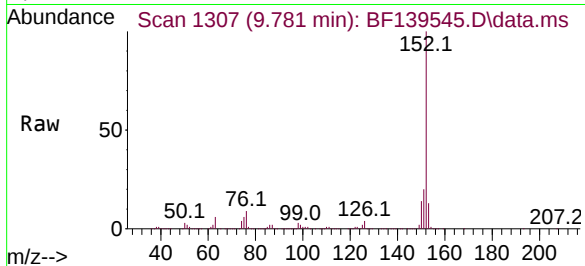
Tgt Ion:152 Resp: 585838

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

153 12.9 10.3 15.5



#50

Dimethylphthalate

Concen: 52.932 ng

RT: 9.633 min Scan# 1282

Delta R.T. -0.000 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

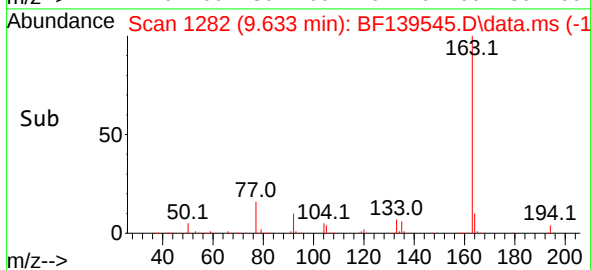
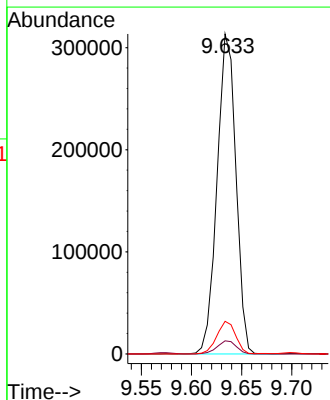
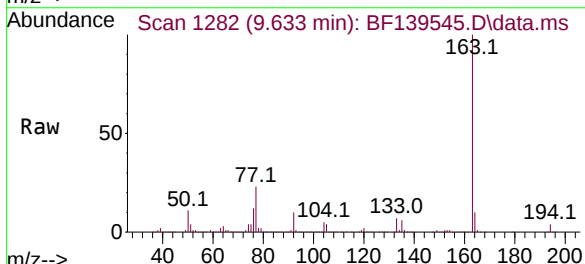
Tgt Ion:163 Resp: 409103

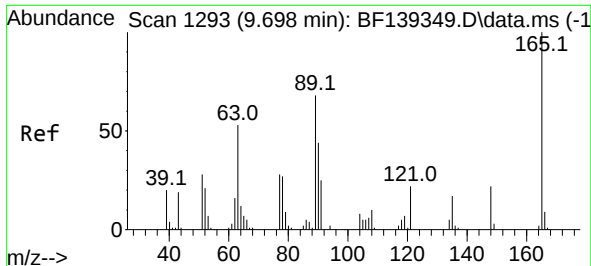
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.2 8.2 12.2

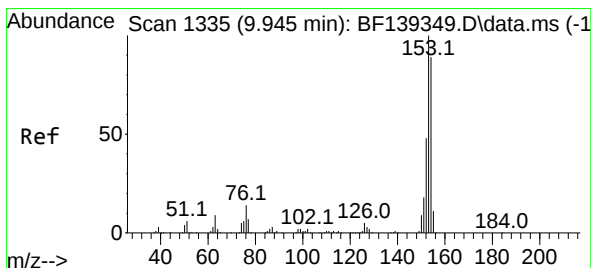
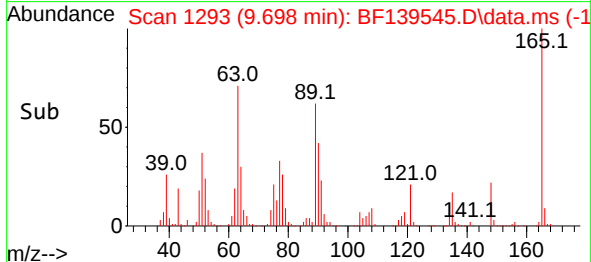
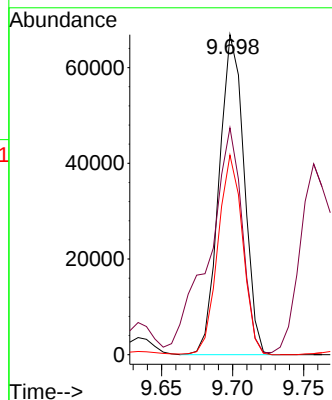
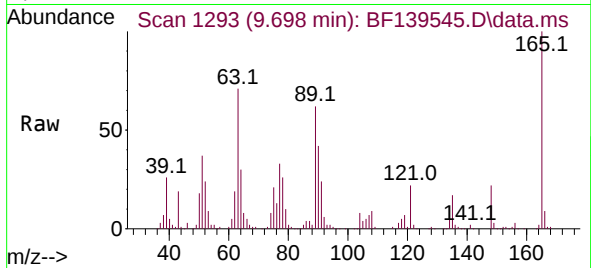




#51
2,6-Dinitrotoluene
Concen: 47.768 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

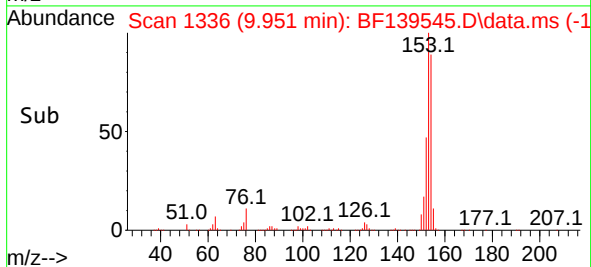
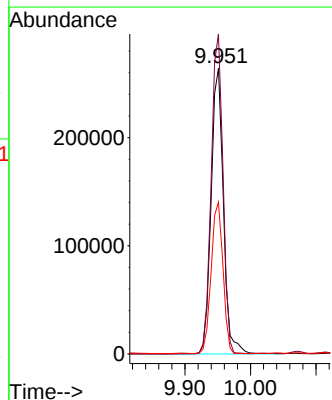
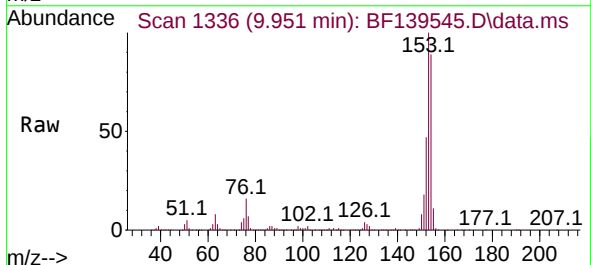
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

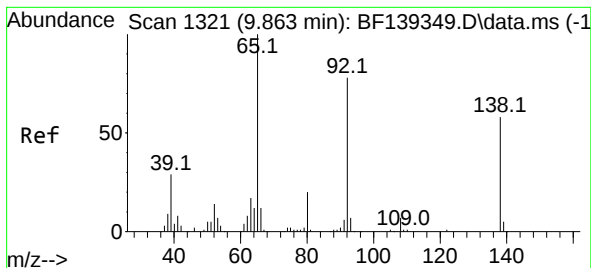
Tgt Ion:165 Resp: 81788
Ion Ratio Lower Upper
165 100
63 70.9 60.9 91.3
89 62.4 54.7 82.1



#52
Acenaphthene
Concen: 48.466 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:154 Resp: 344902
Ion Ratio Lower Upper
154 100
153 111.9 89.5 134.3
152 53.1 42.6 64.0





#53

3-Nitroaniline

Concen: 38.706 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

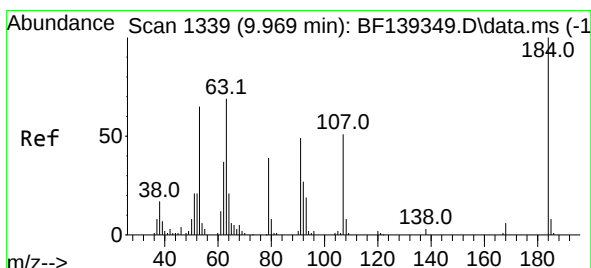
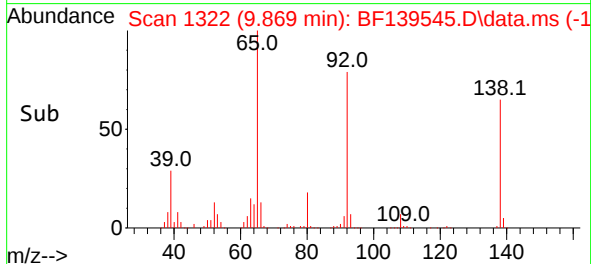
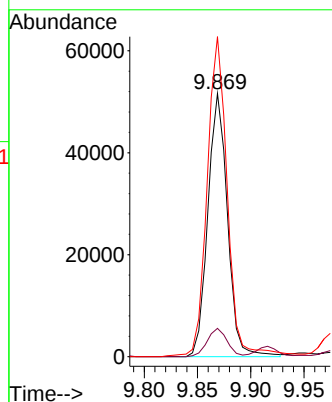
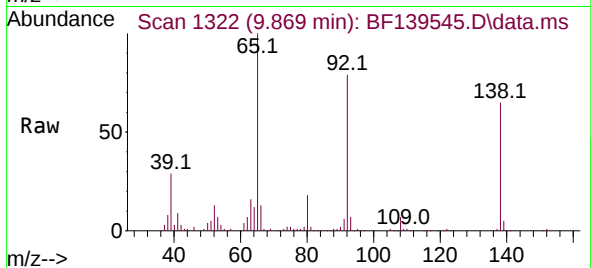
Tgt Ion:138 Resp: 66231

Ion Ratio Lower Upper

138 100

108 10.8 9.8 14.8

92 121.6 107.4 161.2



#54

2,4-Dinitrophenol

Concen: 22.530 ng

RT: 9.975 min Scan# 1340

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

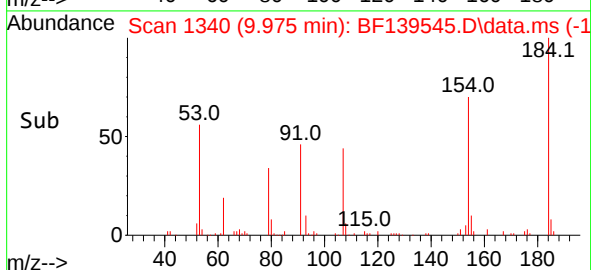
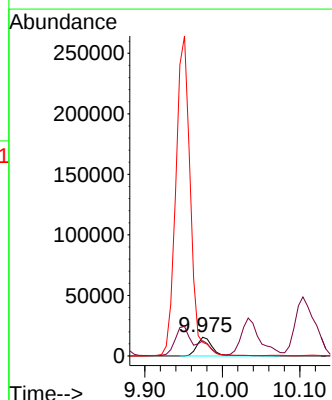
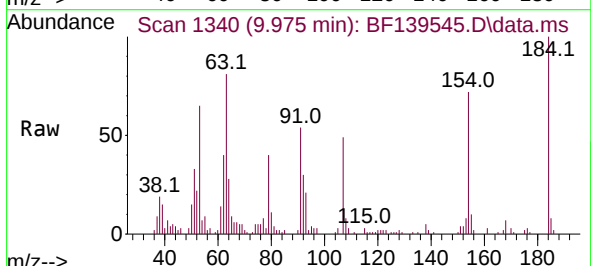
Tgt Ion:184 Resp: 21495

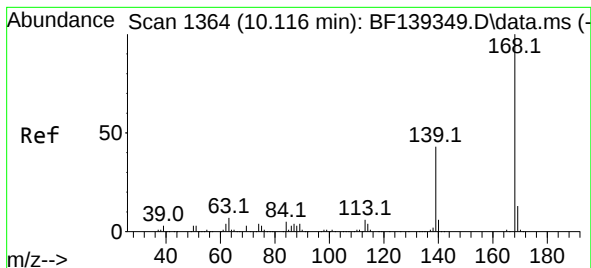
Ion Ratio Lower Upper

184 100

63 81.2 69.3 103.9

154 72.4 67.5 101.3





#55

Dibenzofuran

Concen: 49.039 ng

RT: 10.122 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

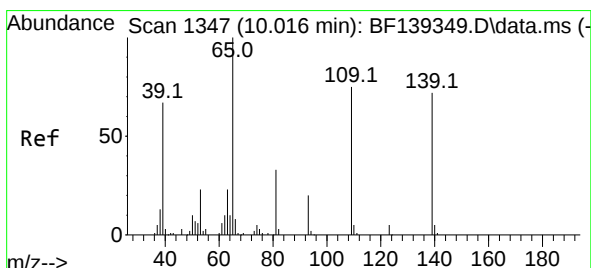
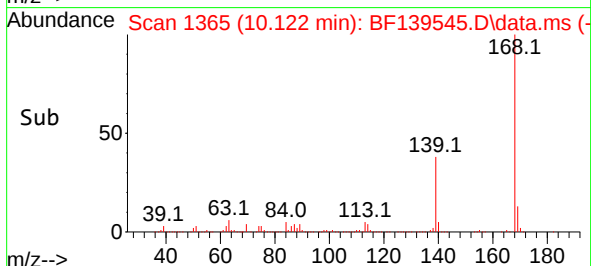
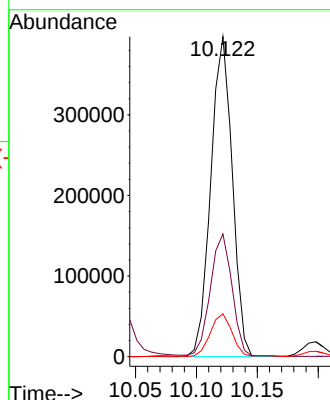
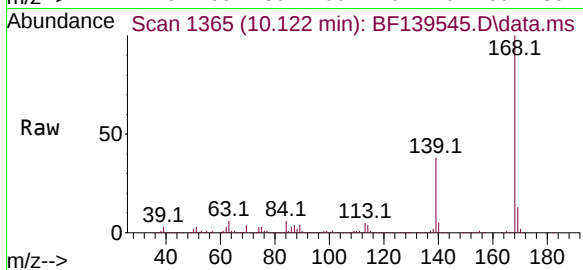
Tgt Ion:168 Resp: 486411

Ion Ratio Lower Upper

168 100

139 38.3 34.1 51.1

169 13.4 10.5 15.7



#56

4-Nitrophenol

Concen: 86.734 ng

RT: 10.033 min Scan# 1350

Delta R.T. 0.018 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

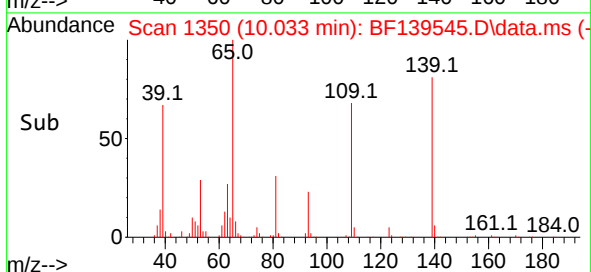
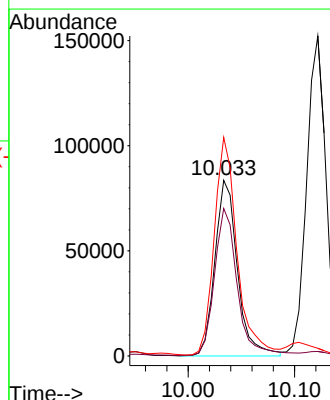
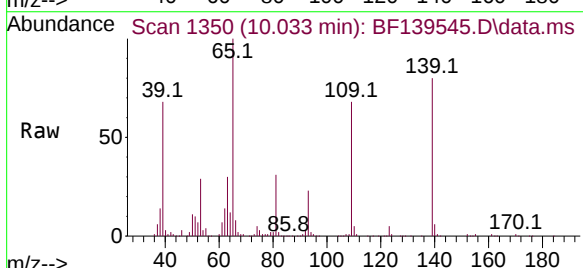
Tgt Ion:139 Resp: 122805

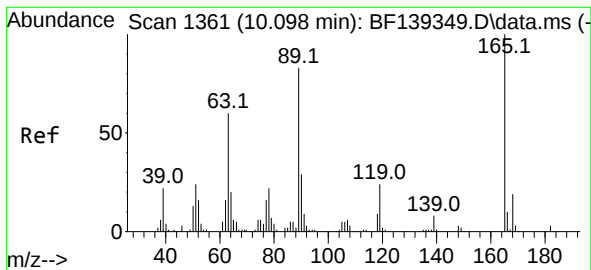
Ion Ratio Lower Upper

139 100

109 84.0 84.1 124.1#

65 124.4 120.0 160.0

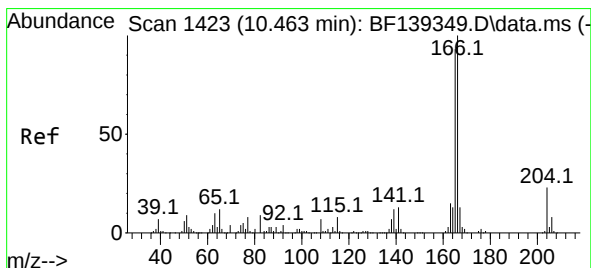
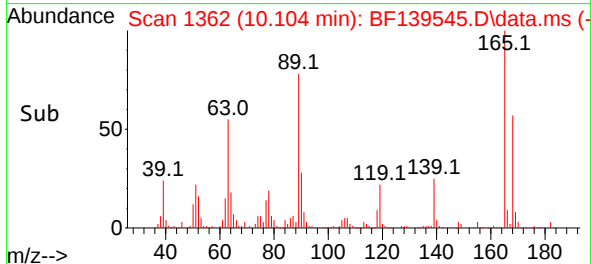
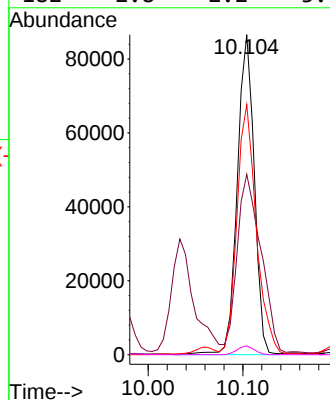
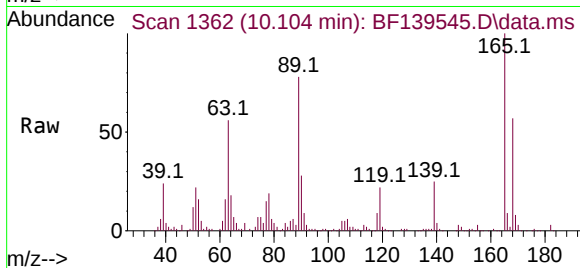




#57
2,4-Dinitrotoluene
Concen: 46.474 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

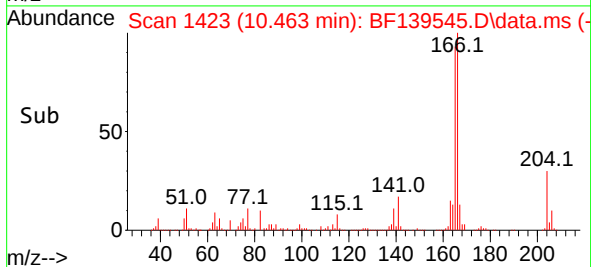
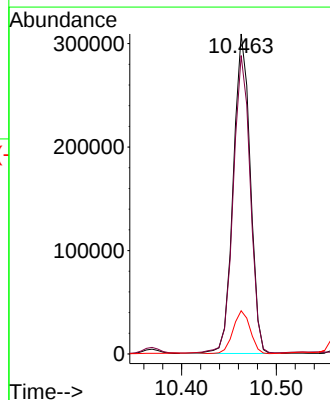
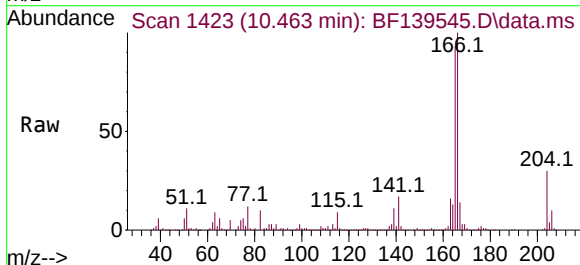
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

Tgt Ion:165 Resp: 107429
Ion Ratio Lower Upper
165 100
63 56.3 47.8 71.6
89 78.1 66.7 100.1
182 2.8 2.2 3.4



#58
Fluorene
Concen: 47.470 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:166 Resp: 384169
Ion Ratio Lower Upper
166 100
165 93.2 74.5 111.7
167 13.5 10.6 16.0

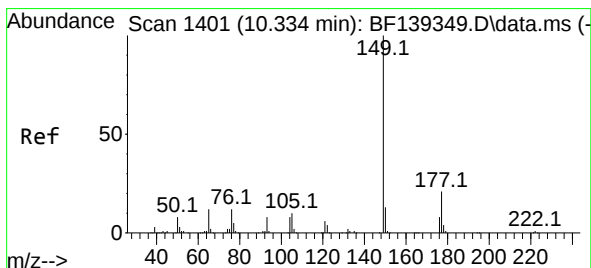
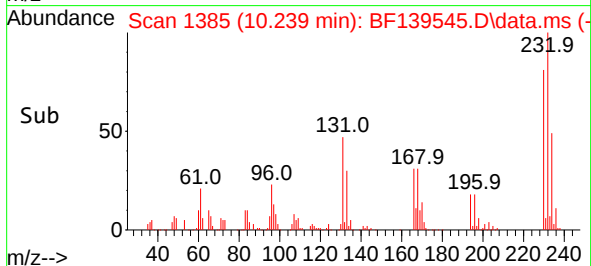
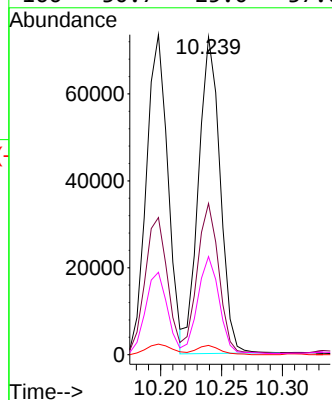
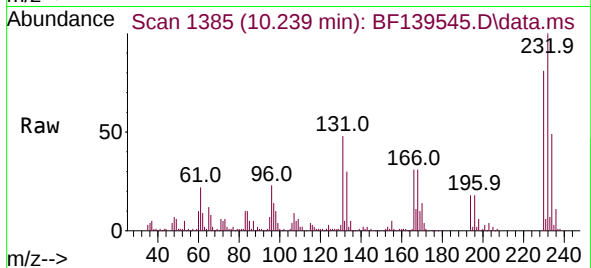




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.298 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

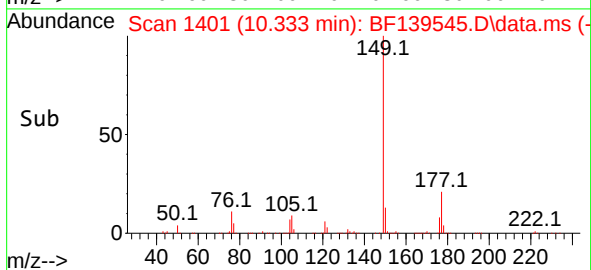
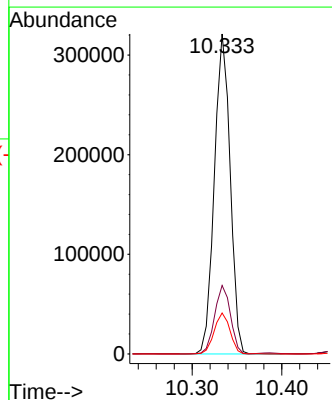
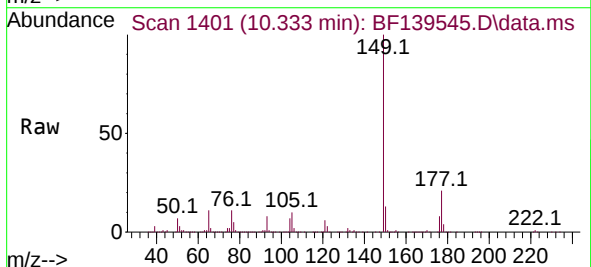
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

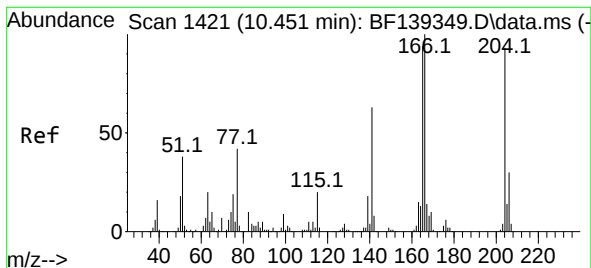
Tgt Ion:232 Resp: 89747
Ion Ratio Lower Upper
232 100
131 48.0 40.7 61.1
130 3.1 2.2 3.2
166 30.7 25.0 37.6



#60
Diethylphthalate
Concen: 49.247 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:149 Resp: 392787
Ion Ratio Lower Upper
149 100
177 21.4 16.6 24.8
150 12.8 10.6 15.8

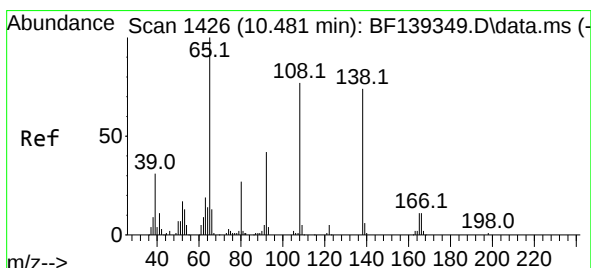
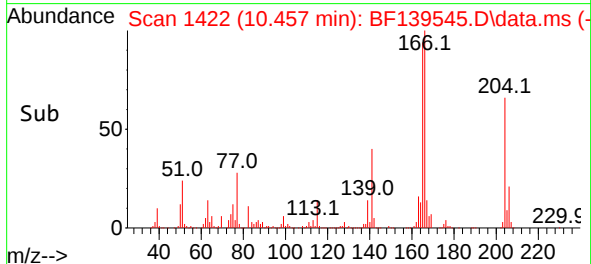
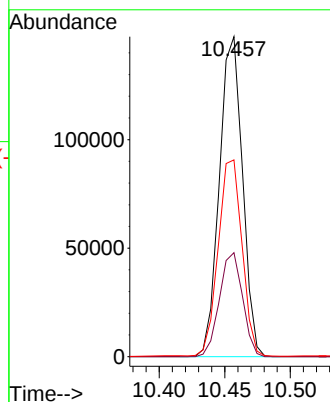
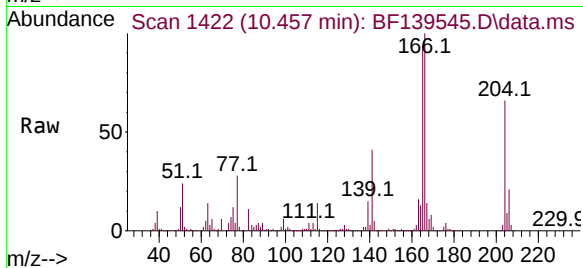




#61
4-Chlorophenyl-phenylether
Concen: 45.950 ng
RT: 10.457 min Scan# 1421
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

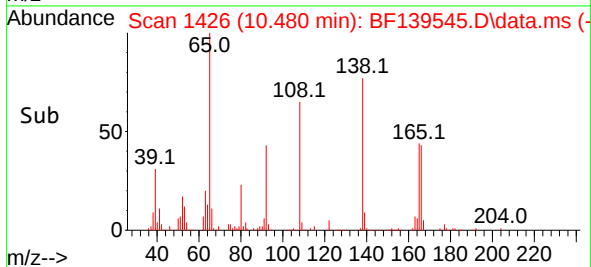
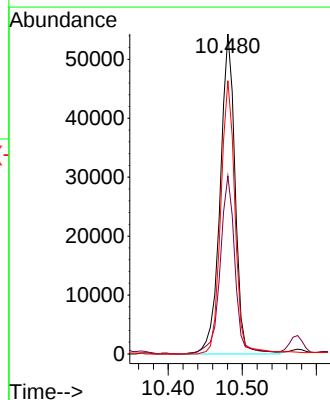
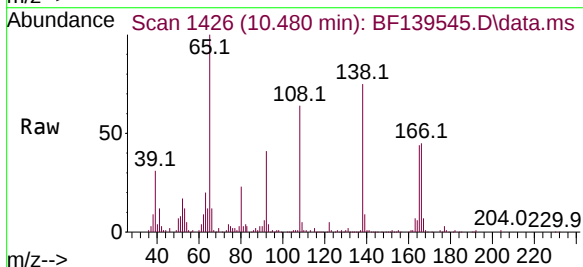
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

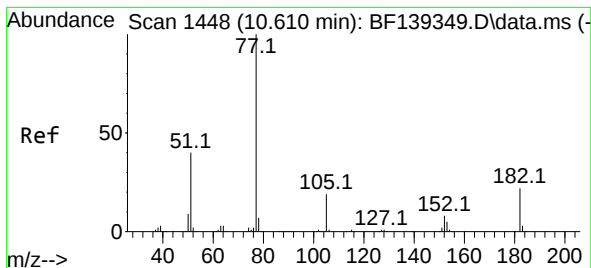
Tgt Ion:204 Resp: 180723
Ion Ratio Lower Upper
204 100
206 32.5 26.2 39.2
141 61.5 53.9 80.9



#62
4-Nitroaniline
Concen: 40.884 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:138 Resp: 76351
Ion Ratio Lower Upper
138 100
92 55.6 37.0 77.0
108 85.4 84.4 124.4





#63

Azobenzene

Concen: 56.586 ng

RT: 10.616 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

Tgt Ion: 77 Resp: 443906

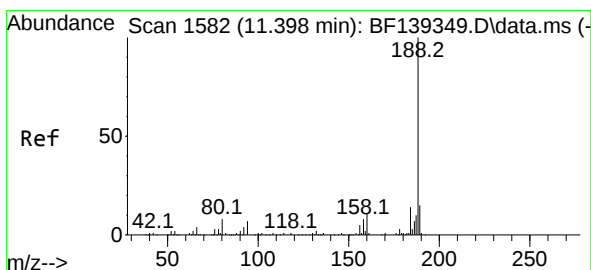
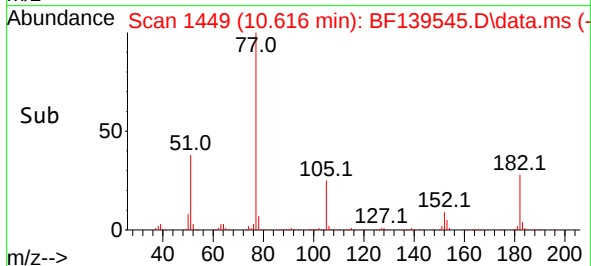
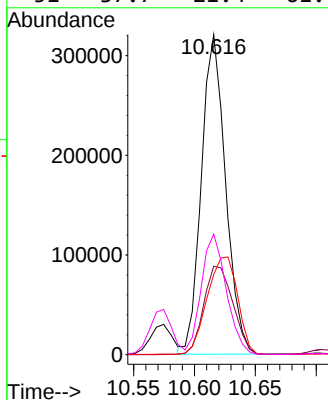
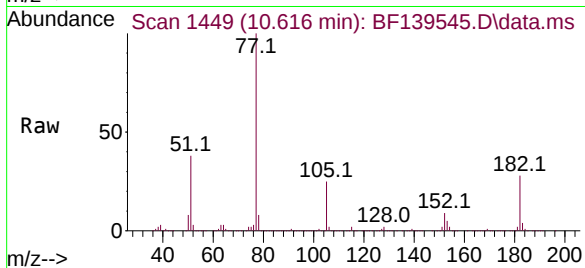
Ion Ratio Lower Upper

77 100

182 27.6 1.8 41.8

105 25.1 0.0 38.6

51 37.7 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

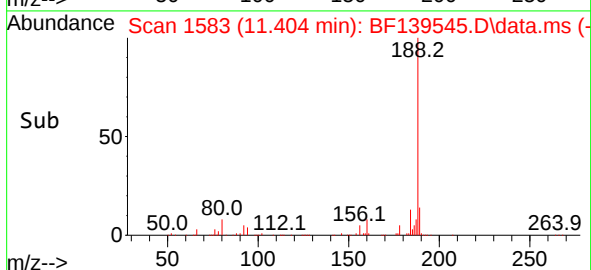
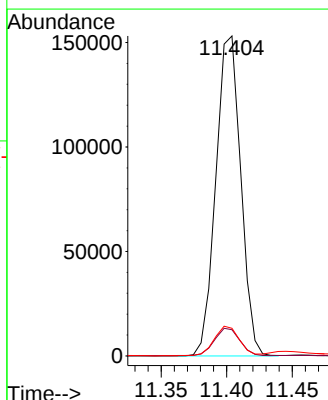
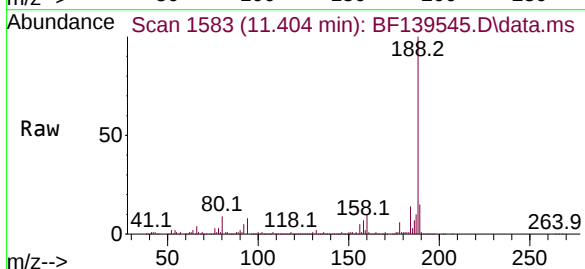
Tgt Ion: 188 Resp: 202183

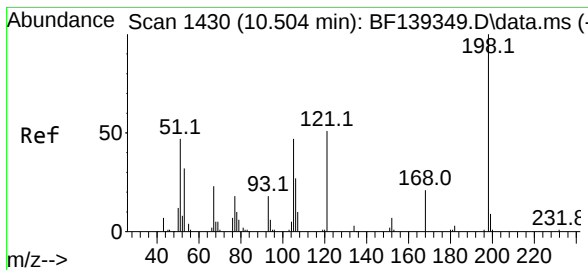
Ion Ratio Lower Upper

188 100

94 8.2 5.5 8.3

80 8.6 6.6 9.8

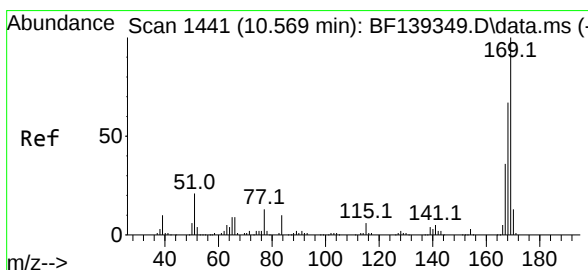
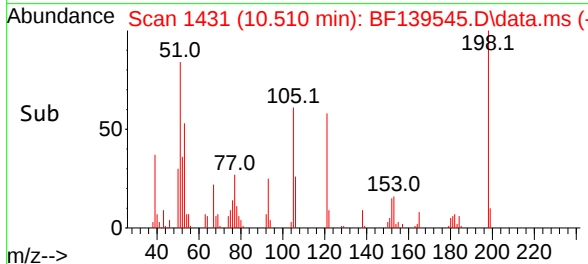
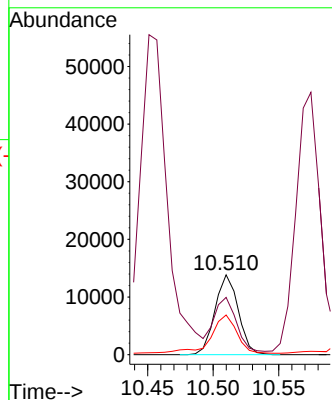
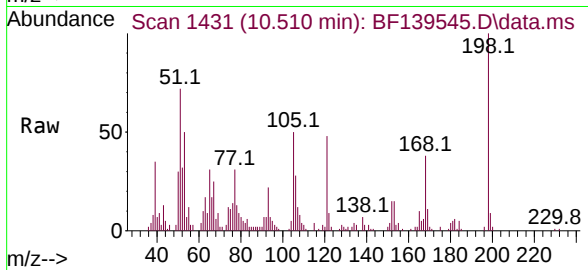




#65
4,6-Dinitro-2-methylphenol
Concen: 15.996 ng
RT: 10.510 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

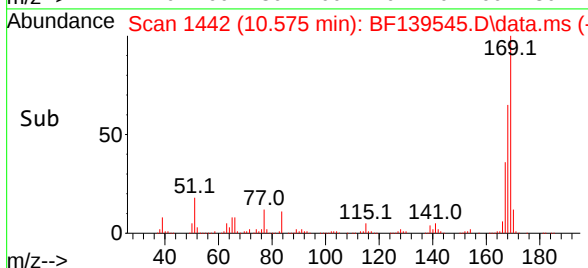
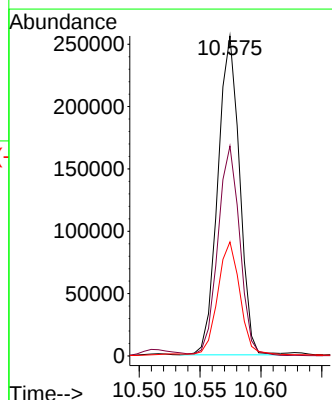
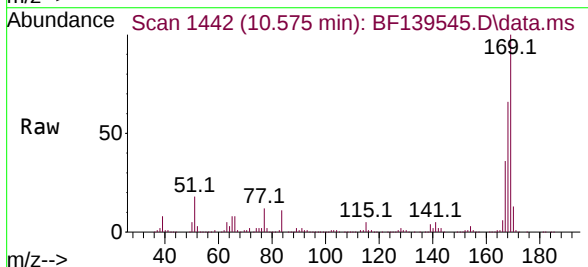
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

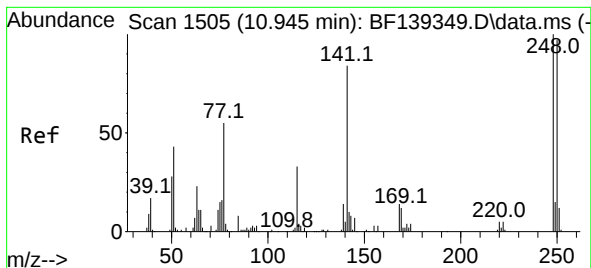
Tgt Ion:198 Resp: 17069
Ion Ratio Lower Upper
198 100
51 71.9 50.4 90.4
105 49.8 28.3 68.3



#66
n-Nitrosodiphenylamine
Concen: 53.796 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:169 Resp: 317996
Ion Ratio Lower Upper
169 100
168 65.6 53.6 80.4
167 35.6 28.7 43.1

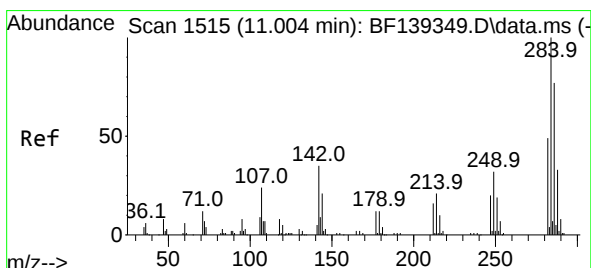
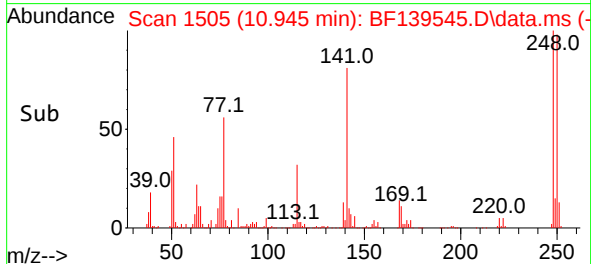
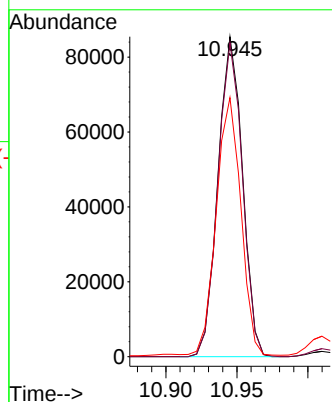
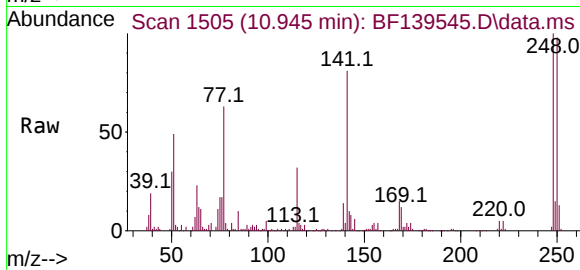




#67
4-Bromophenyl-phenylether
Concen: 51.206 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

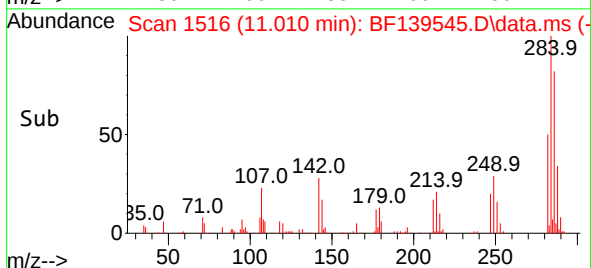
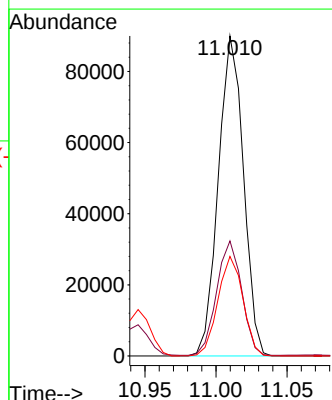
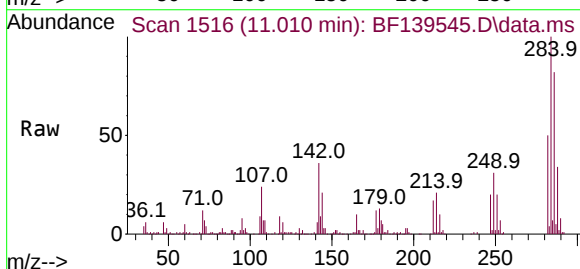
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

Tgt Ion:248 Resp: 102595
Ion Ratio Lower Upper
248 100
250 98.1 77.6 116.4
141 81.0 66.9 100.3



#68
Hexachlorobenzene
Concen: 47.061 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:284 Resp: 110663
Ion Ratio Lower Upper
284 100
142 35.9 28.0 42.0
249 31.1 25.3 37.9





#69

Atrazine

Concen: 69.774 ng

RT: 11.098 min Scan# 1530

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

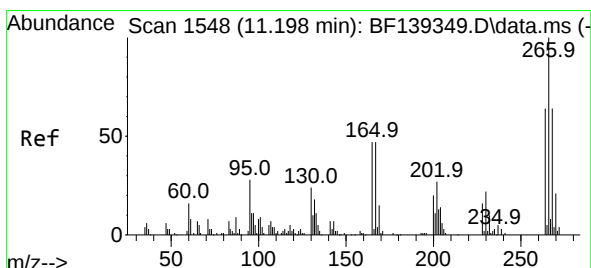
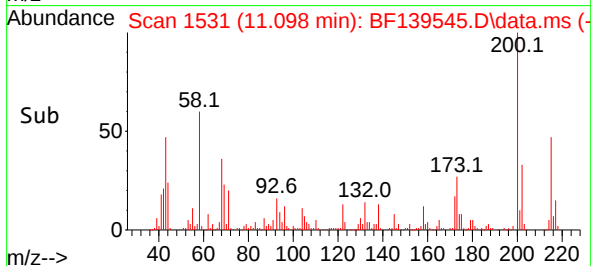
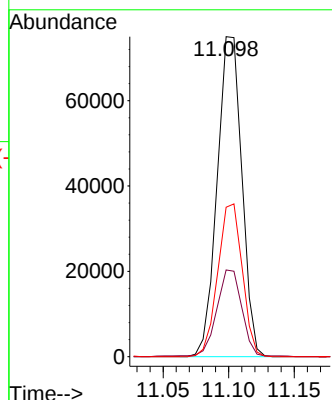
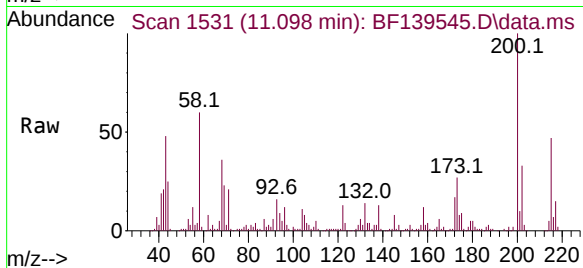
Tgt Ion:200 Resp: 98190

Ion Ratio Lower Upper

200 100

173 27.1 6.1 46.1

215 46.7 28.2 68.2



#70

Pentachlorophenol

Concen: 89.427 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.012 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

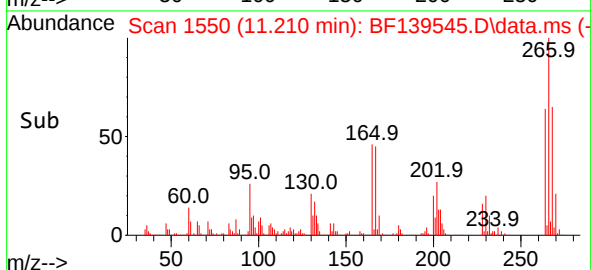
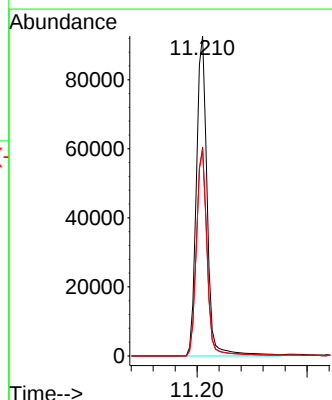
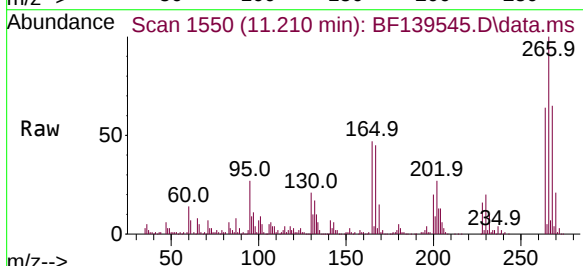
Tgt Ion:266 Resp: 126179

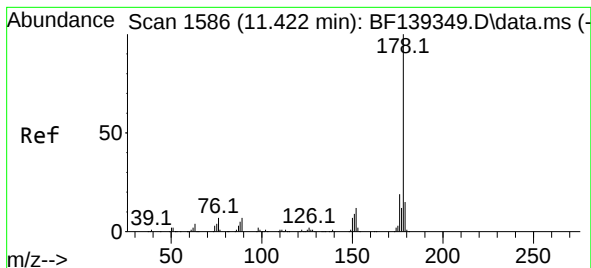
Ion Ratio Lower Upper

266 100

268 65.2 51.1 76.7

264 64.1 51.4 77.0





#71

Phenanthrene

Concen: 67.003 ng

RT: 11.427 min Scan# 1586

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

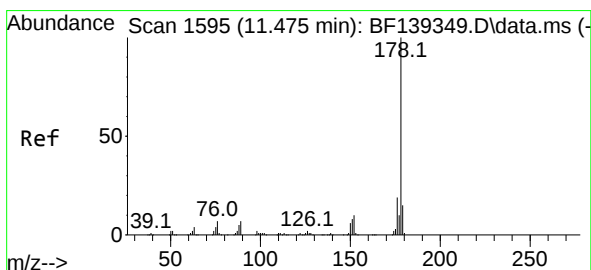
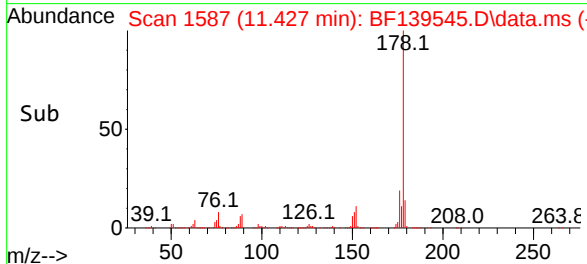
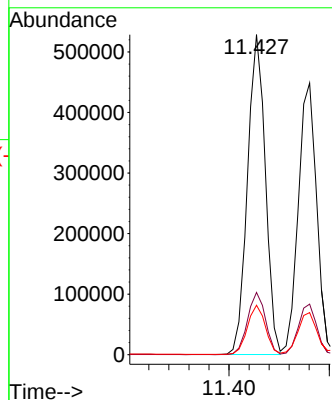
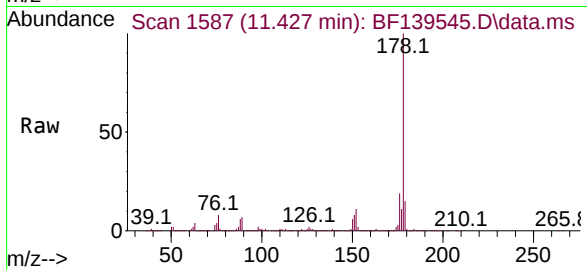
Tgt Ion:178 Resp: 653580

Ion Ratio Lower Upper

178 100

176 19.5 15.2 22.8

179 15.5 12.2 18.4



#72

Anthracene

Concen: 59.064 ng

RT: 11.480 min Scan# 1596

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

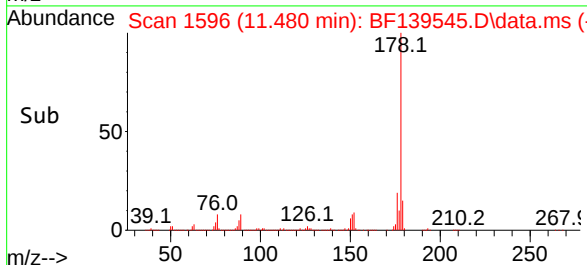
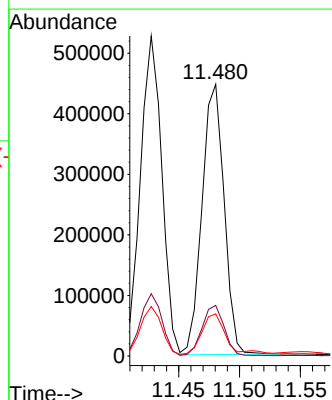
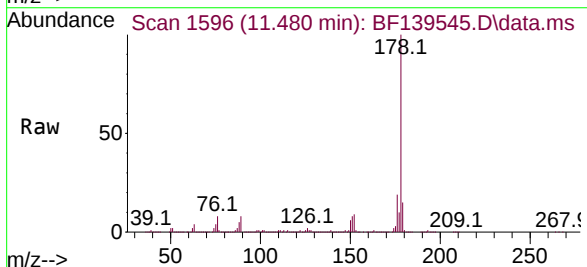
Tgt Ion:178 Resp: 563302

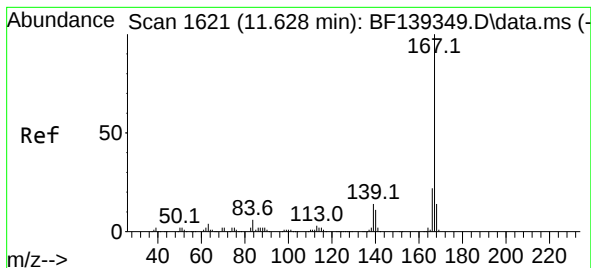
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.5 12.0 18.0





#73

Carbazole

Concen: 52.836 ng

RT: 11.633 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

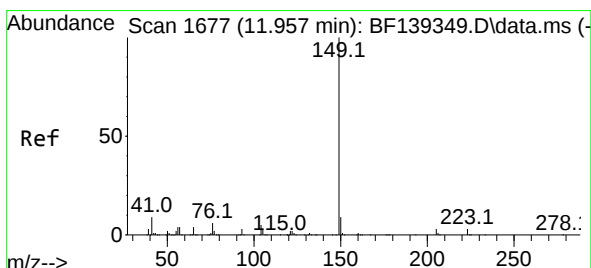
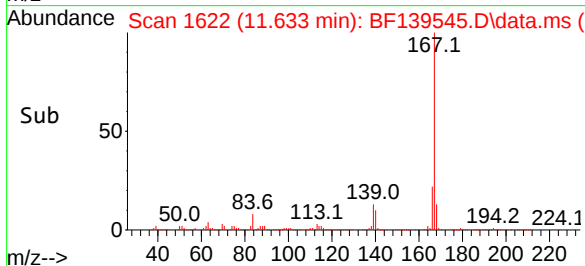
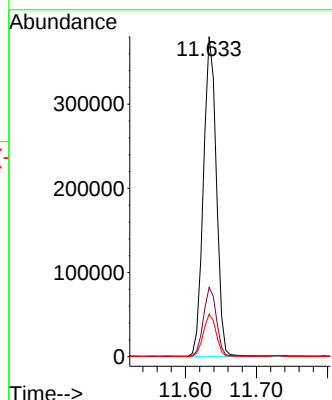
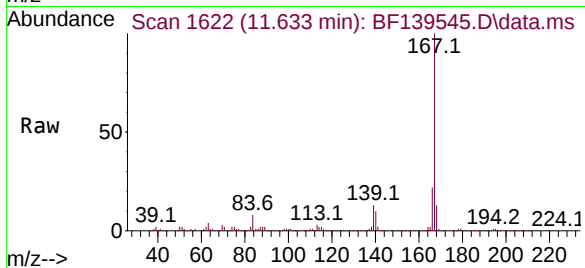
Tgt Ion:167 Resp: 482284

Ion Ratio Lower Upper

167 100

166 21.6 17.5 26.3

139 13.3 10.9 16.3



#74

Di-n-butylphthalate

Concen: 55.689 ng

RT: 11.963 min Scan# 1678

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

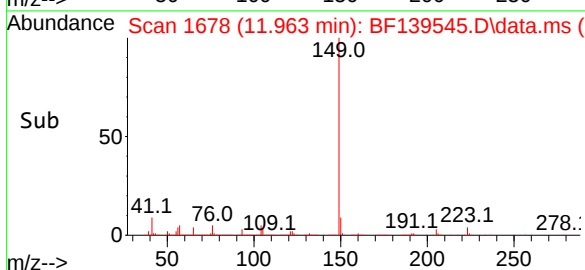
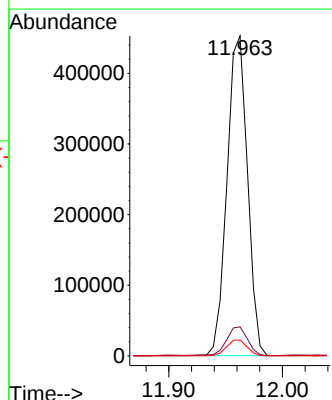
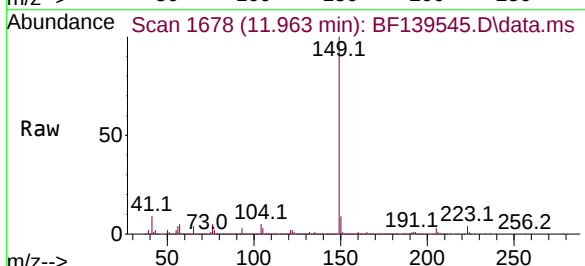
Tgt Ion:149 Resp: 566260

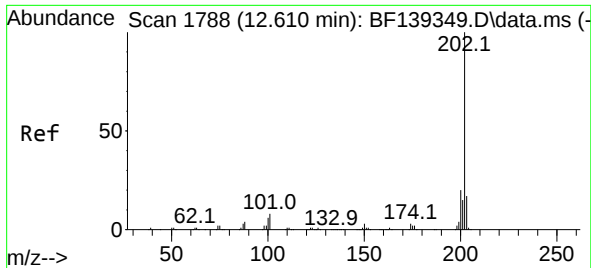
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 5.0 4.3 6.5

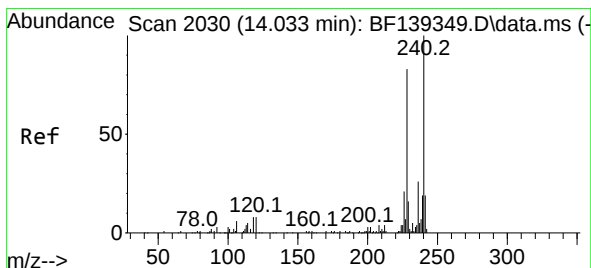
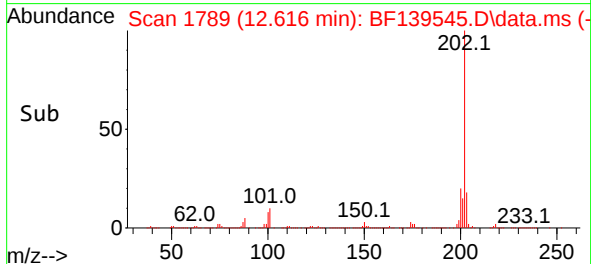
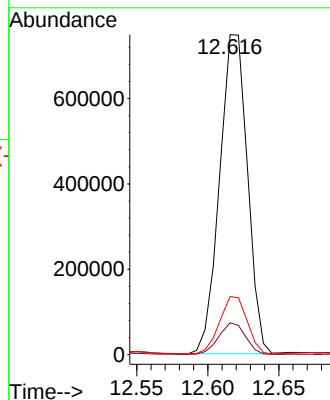
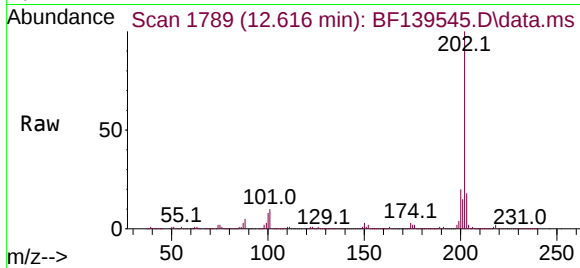




#75
Fluoranthene
Concen: 97.993 ng
RT: 12.616 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

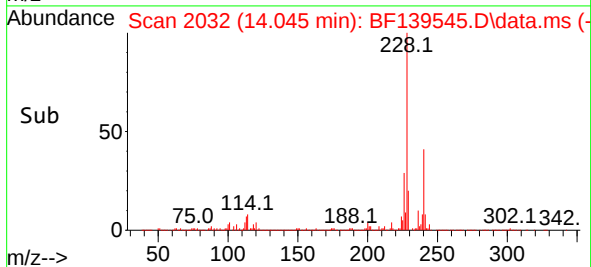
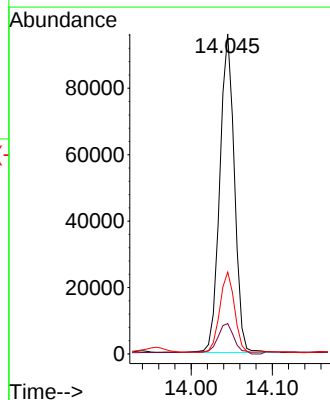
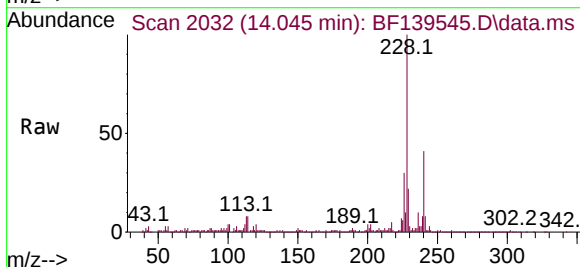
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

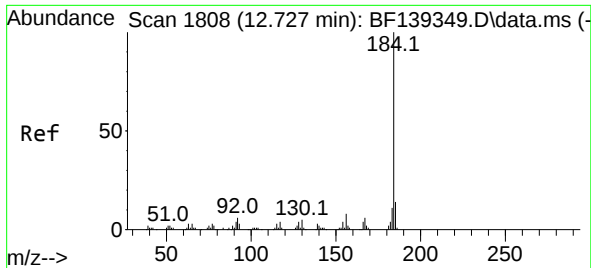
Tgt Ion:202 Resp: 1020790
Ion Ratio Lower Upper
202 100
101 9.9 0.0 27.7
203 18.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:240 Resp: 120225
Ion Ratio Lower Upper
240 100
120 9.5 6.2 9.2#
236 25.6 20.9 31.3

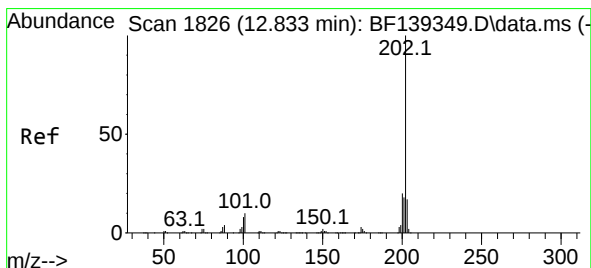
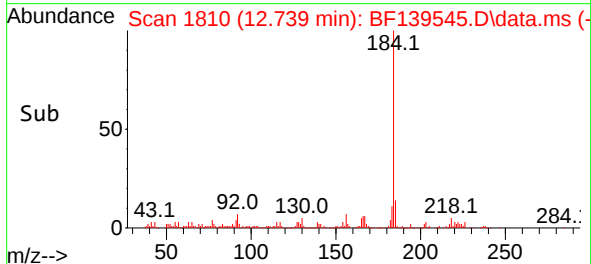
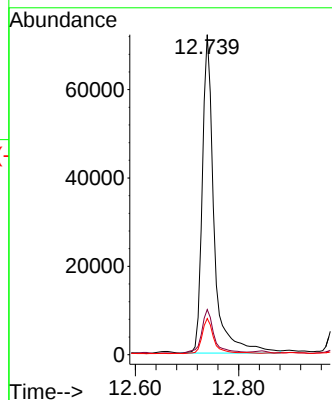
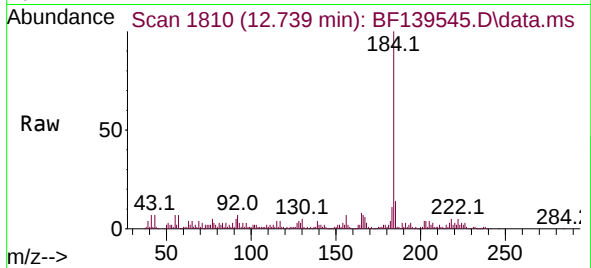




#77
Benzidine
Concen: 66.305 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.012 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

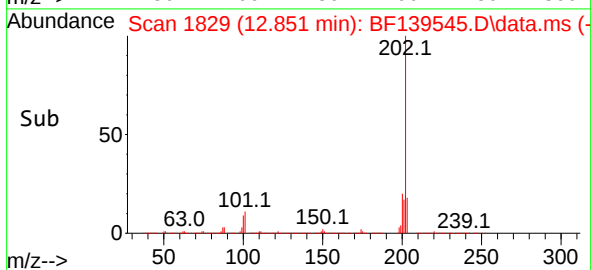
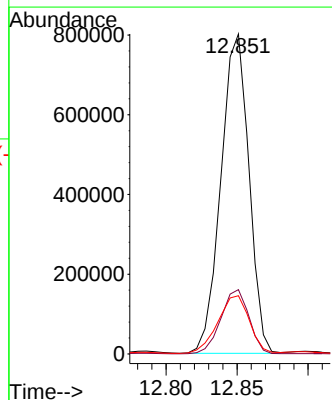
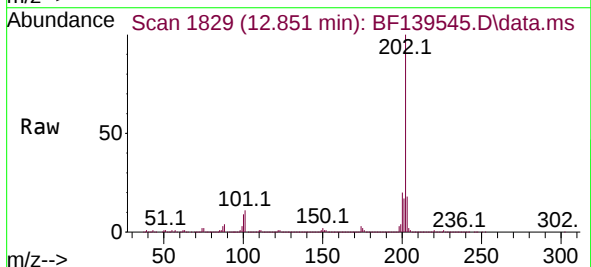
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

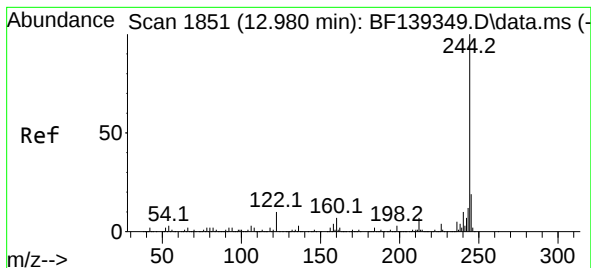
Tgt Ion:184 Resp: 114208
Ion Ratio Lower Upper
184 100
185 14.1 11.5 17.3
183 11.3 8.9 13.3



#78
Pyrene
Concen: 106.532 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.018 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:202 Resp: 1099725
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.2
203 18.2 13.9 20.9





#79

Terphenyl-d14

Concen: 75.050 ng

RT: 12.986 min Scan# 1851

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

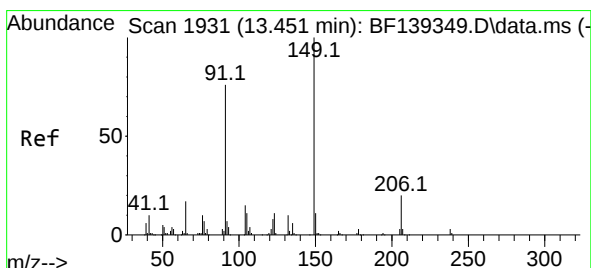
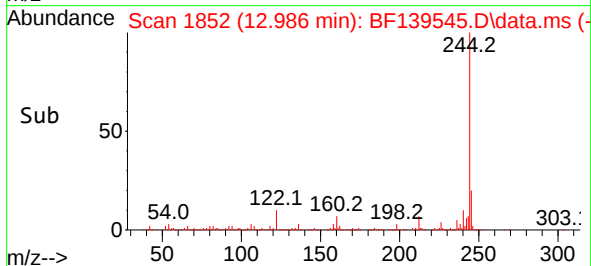
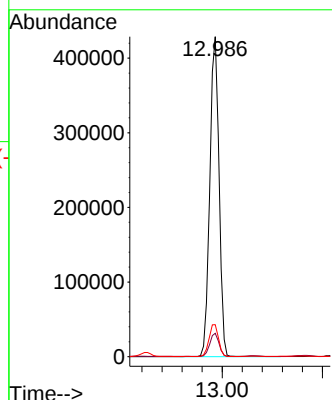
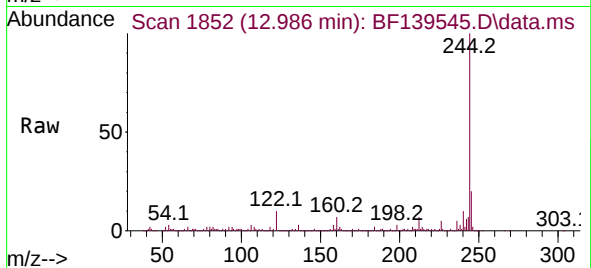
Tgt Ion:244 Resp: 549709

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 10.0 7.6 11.4



#80

Butylbenzylphthalate

Concen: 64.607 ng

RT: 13.457 min Scan# 1932

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

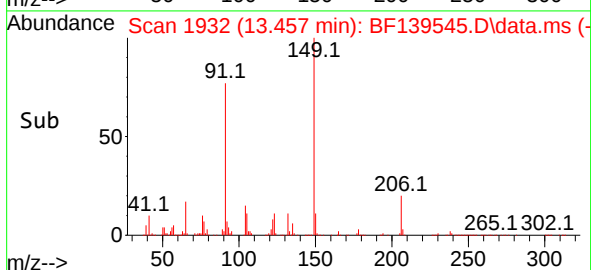
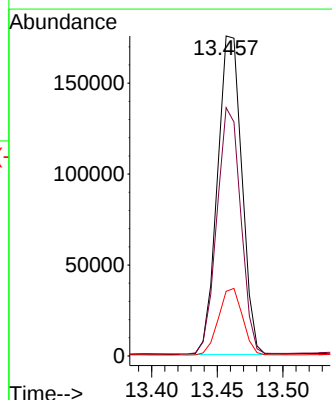
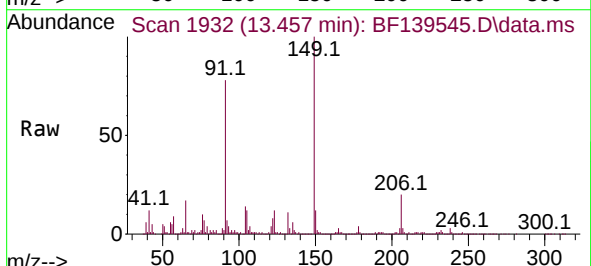
Tgt Ion:149 Resp: 227009

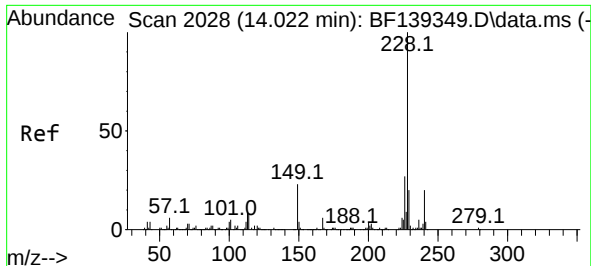
Ion Ratio Lower Upper

149 100

91 77.6 60.9 91.3

206 20.2 15.8 23.8

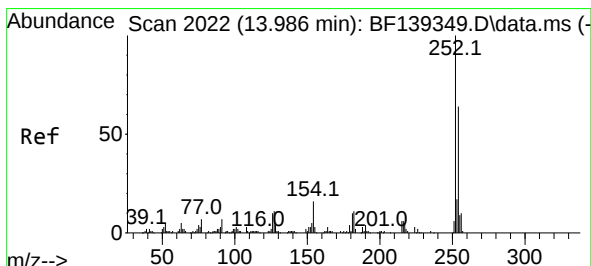
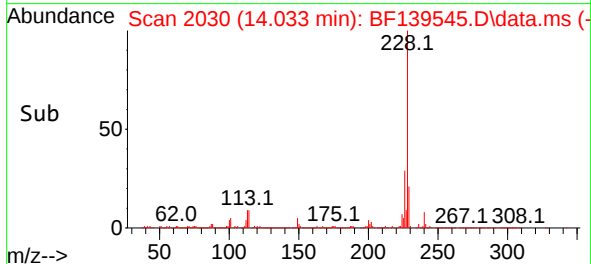
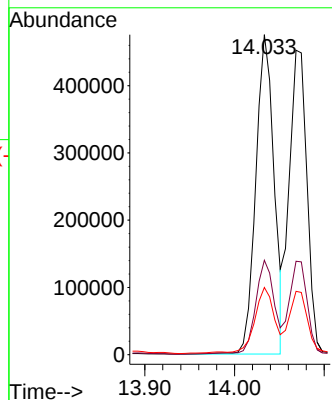
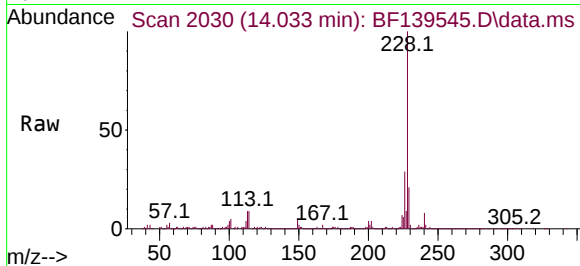




#81
Benzo(a)anthracene
Concen: 84.239 ng
RT: 14.033 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

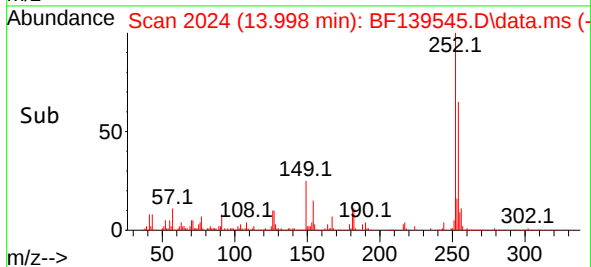
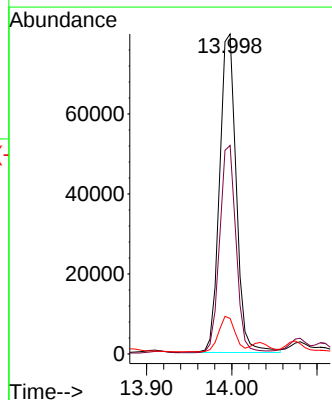
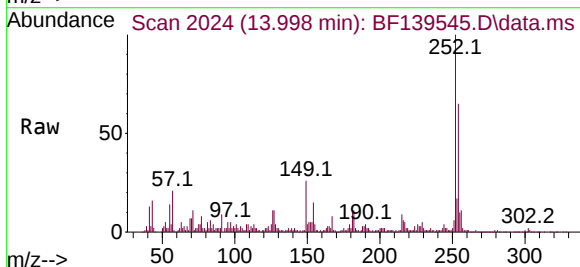
Instrument :
BNA_F
ClientSampleId :
VNJ231MSD

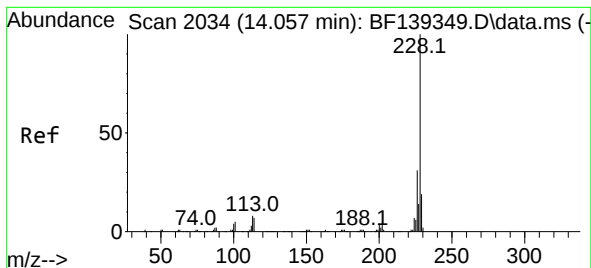
Tgt Ion:228 Resp: 670854
Ion Ratio Lower Upper
228 100
226 29.5 21.6 32.4
229 21.0 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 46.437 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.012 min
Lab File: BF139545.D
Acq: 25 Sep 2024 23:05

Tgt Ion:252 Resp: 108298
Ion Ratio Lower Upper
252 100
254 65.1 51.4 77.2
126 11.1 7.7 11.5





#83

Chrysene

Concen: 84.490 ng

RT: 14.068 min Scan# 2034

Delta R.T. 0.012 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

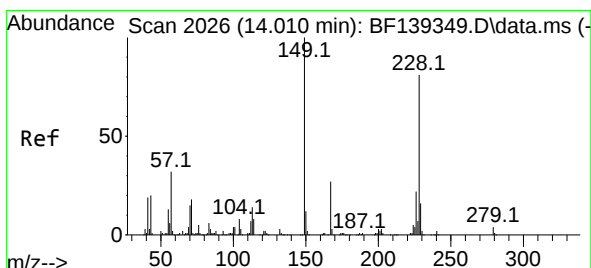
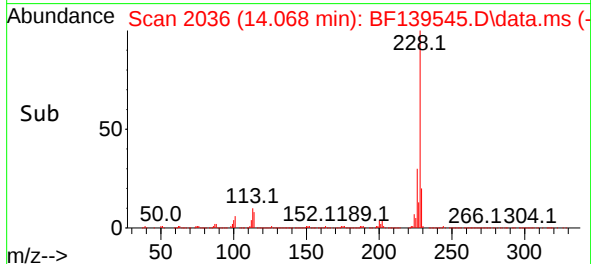
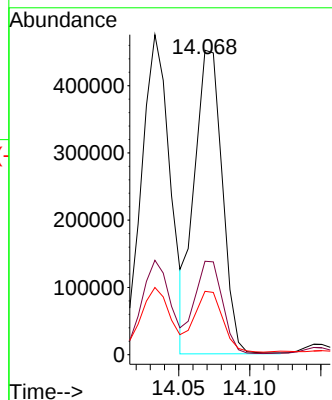
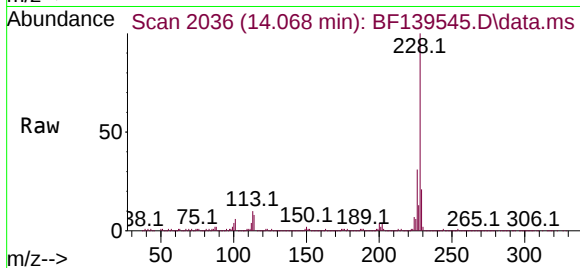
Tgt Ion:228 Resp: 619023

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 20.8 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 67.339 ng

RT: 14.016 min Scan# 2027

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

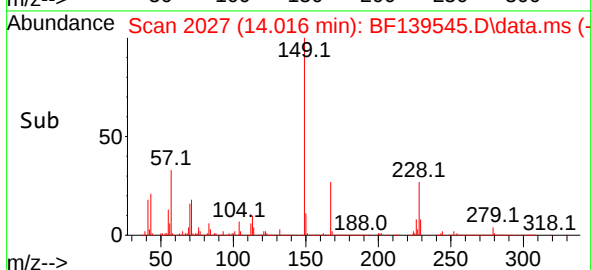
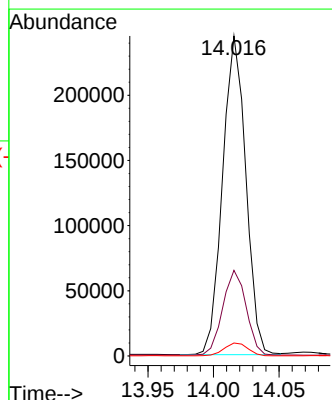
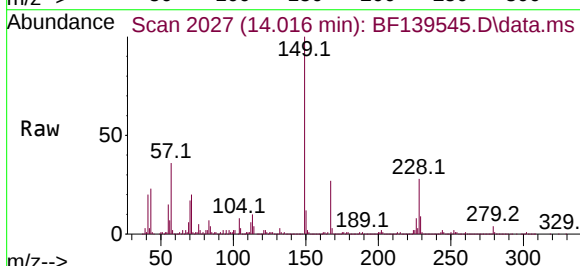
Tgt Ion:149 Resp: 300998

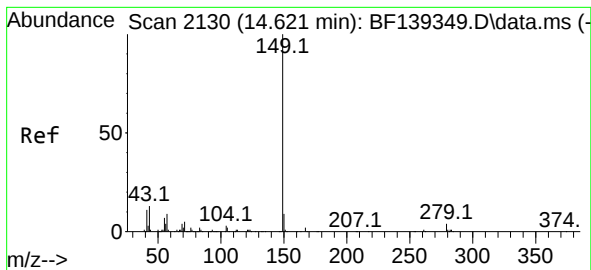
Ion Ratio Lower Upper

149 100

167 26.8 21.6 32.4

279 4.1 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 68.986 ng

RT: 14.627 min Scan# 2130

Delta R.T. 0.006 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

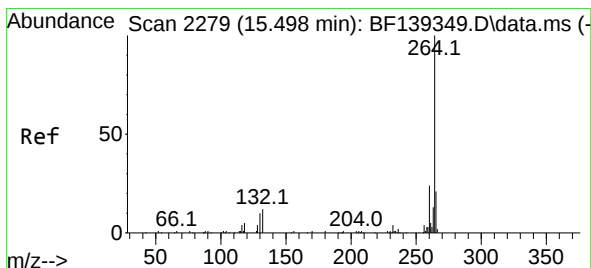
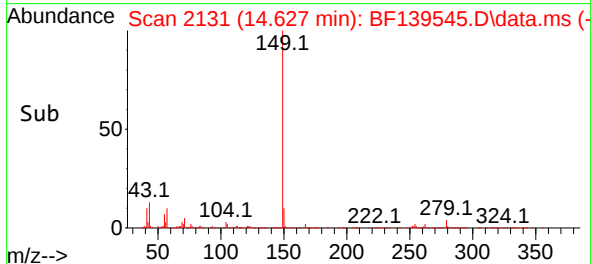
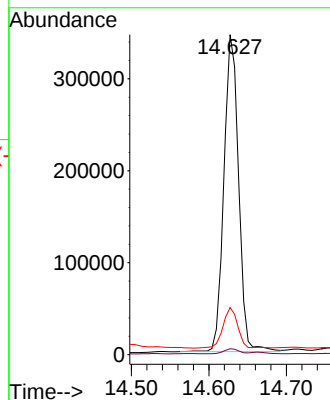
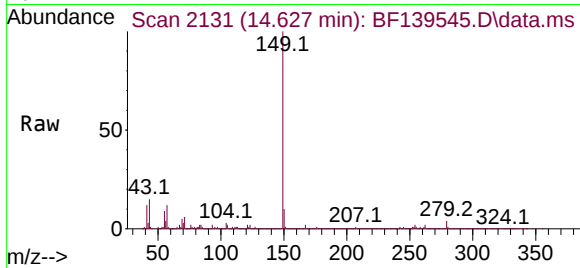
Tgt Ion:149 Resp: 454129

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8#

43 12.6 10.6 16.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2282

Delta R.T. 0.018 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

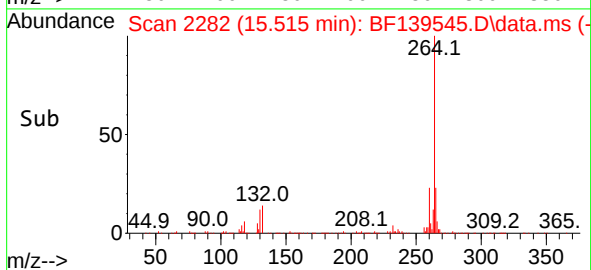
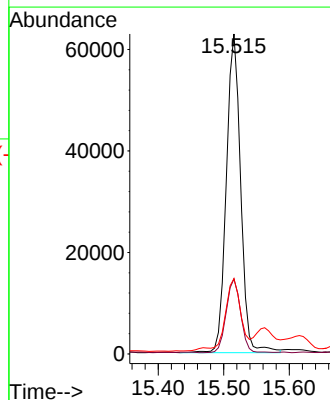
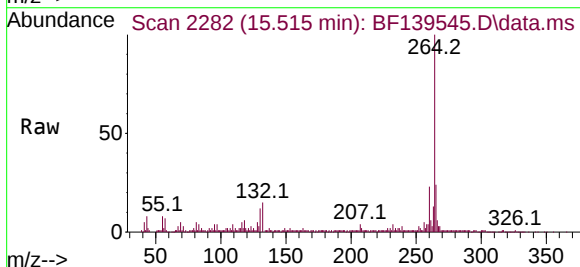
Tgt Ion:264 Resp: 95144

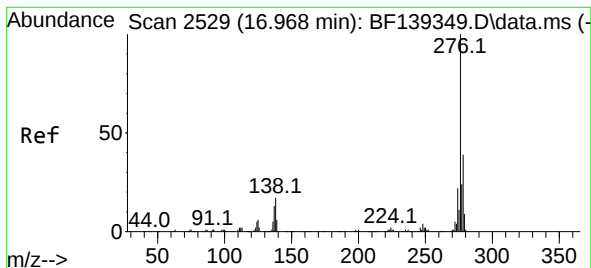
Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 23.5 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 58.250 ng

RT: 16.998 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

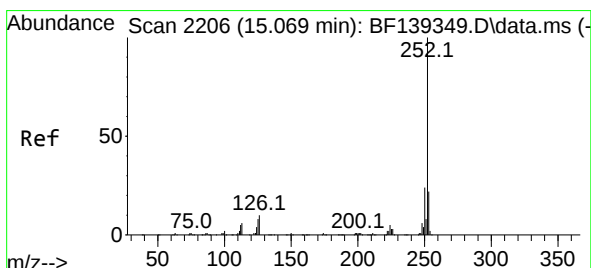
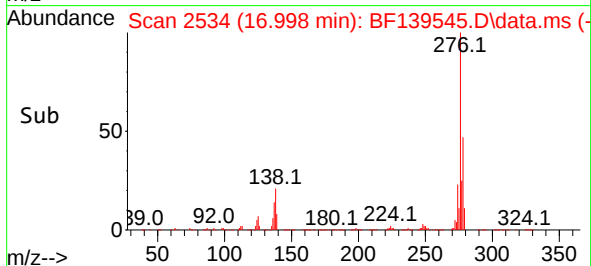
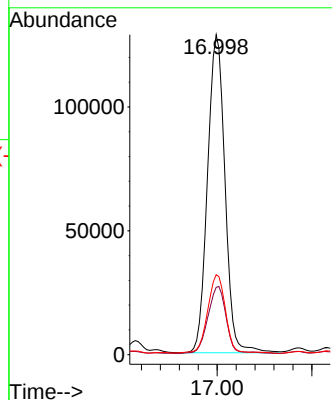
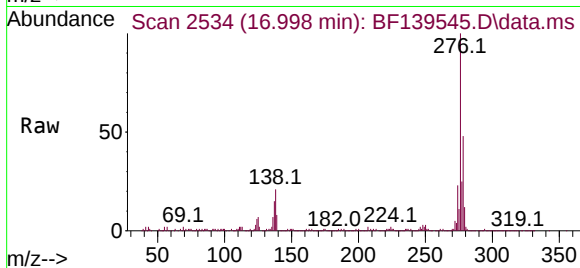
Tgt Ion:276 Resp: 329553

Ion Ratio Lower Upper

276 100

138 21.5 15.4 23.2

277 24.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 85.597 ng

RT: 15.086 min Scan# 2209

Delta R.T. 0.018 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

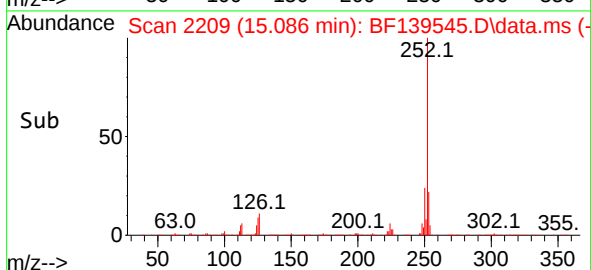
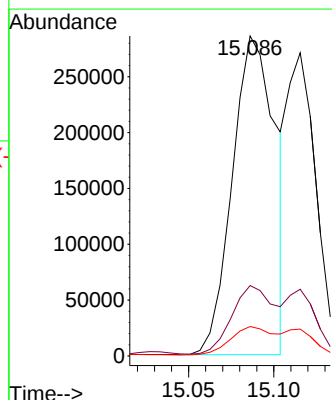
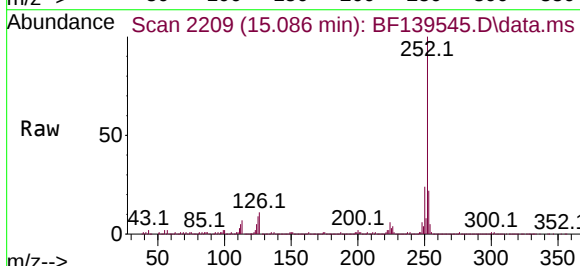
Tgt Ion:252 Resp: 502271

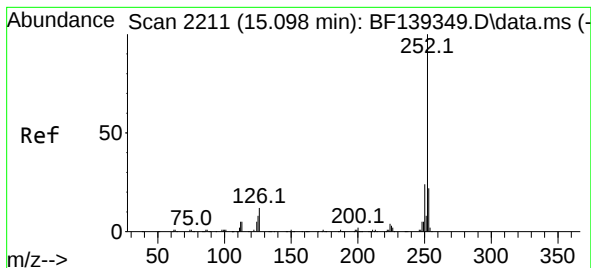
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 9.2 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 92.836 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

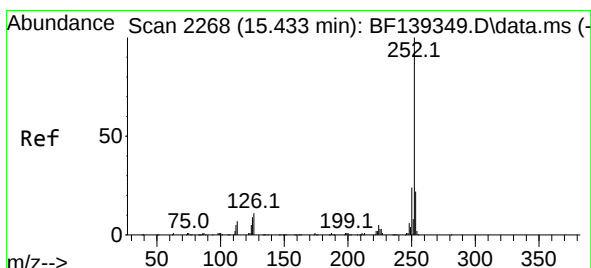
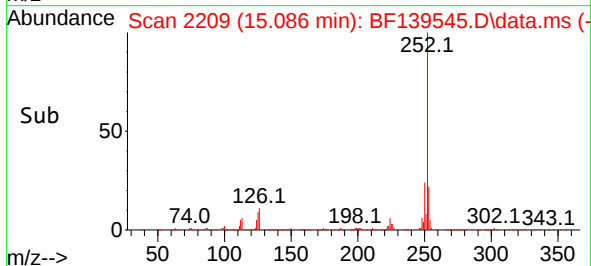
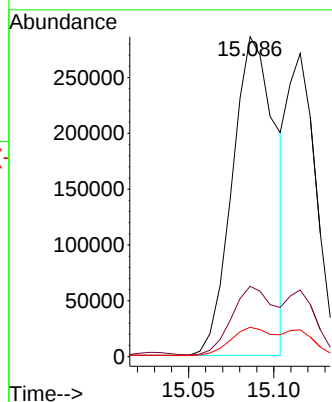
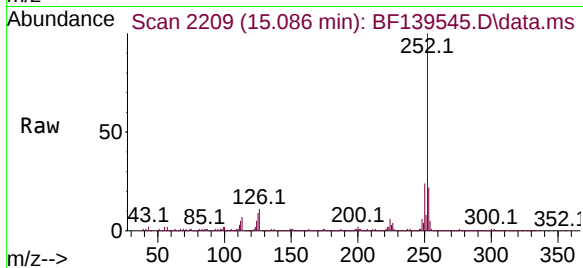
Tgt Ion:252 Resp: 502271

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 9.2 5.9 8.9#



#90

Benzo(a)pyrene

Concen: 79.865 ng

RT: 15.457 min Scan# 2272

Delta R.T. 0.023 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

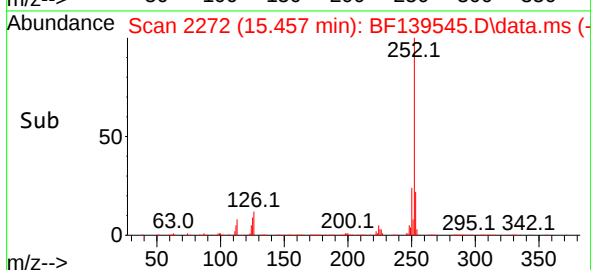
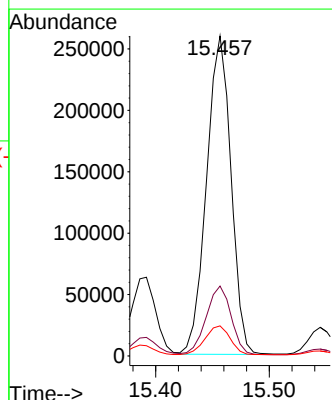
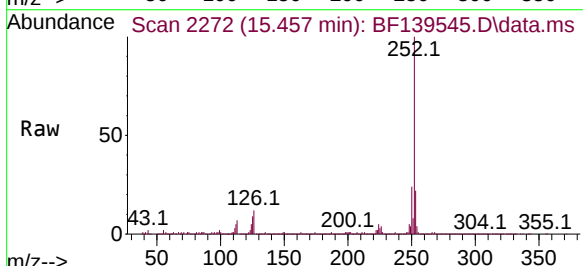
Tgt Ion:252 Resp: 388663

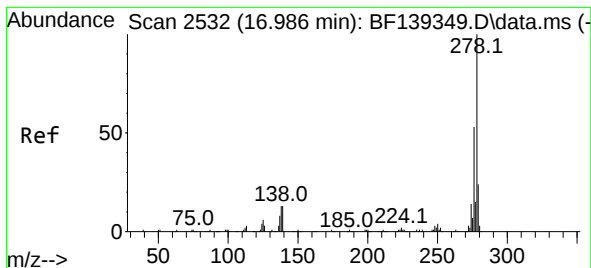
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 9.4 6.8 10.2





#91

Dibenzo(a,h)anthracene

Concen: 48.782 ng

RT: 17.015 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Instrument :

BNA_F

ClientSampleId :

VNJ231MSD

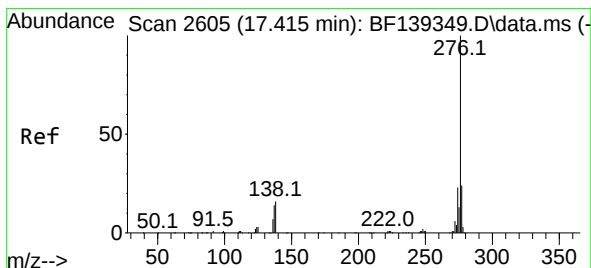
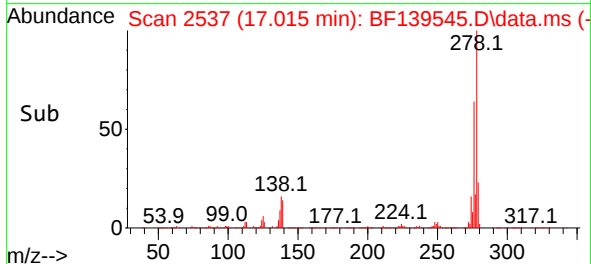
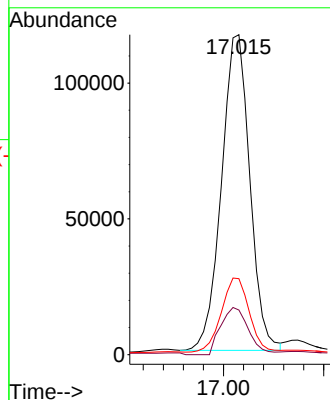
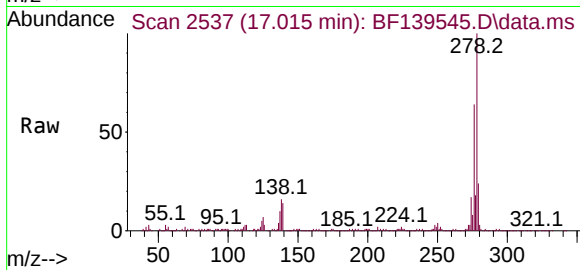
Tgt Ion:278 Resp: 228056

Ion Ratio Lower Upper

278 100

139 13.9 10.2 15.2

279 23.7 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 55.655 ng

RT: 17.445 min Scan# 2610

Delta R.T. 0.029 min

Lab File: BF139545.D

Acq: 25 Sep 2024 23:05

Tgt Ion:276 Resp: 257618

Ion Ratio Lower Upper

276 100

277 24.3 18.9 28.3

138 19.9 13.0 19.6#

