

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140093.D
 Acq On : 28 Oct 2024 18:03
 Operator : RC/JU
 Sample : P4545-02MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-215MSD

Quant Time: Oct 28 18:37:04 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	6.886	152	111820	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	432287	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	236921	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	398949	20.000	ng	0.00
76) Chrysene-d12	14.051	240	204155	20.000	ng	0.00
86) Perylene-d12	15.527	264	256308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	974076	136.371	ng	0.02
7) Phenol-d6	6.516	99	1219104	131.779	ng	0.00
23) Nitrobenzene-d5	7.451	82	820015	105.134	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	358251	161.659	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1443612	100.702	ng	0.00
79) Terphenyl-d14	12.998	244	1318745	105.257	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.881	88	128884	38.700	ng	# 81
3) Pyridine	3.587	79	206806	25.053	ng	98
4) n-Nitrosodimethylamine	3.516	42	189912	42.820	ng	# 98
6) Aniline	6.551	93	182449	21.161	ng	99
8) 2-Chlorophenol	6.675	128	372961	51.076	ng	97
9) Benzaldehyde	6.439	77	44949	8.637	ng	95
10) Phenol	6.528	94	457283	47.946	ng	97
11) bis(2-Chloroethyl)ether	6.628	93	356154	48.313	ng	99
12) 1,3-Dichlorobenzene	6.834	146	359207	42.853	ng	99
13) 1,4-Dichlorobenzene	6.904	146	367348	43.866	ng	99
14) 1,2-Dichlorobenzene	7.057	146	355848	45.529	ng	99
15) Benzyl Alcohol	7.028	79	349195	51.458	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	577398	45.935	ng	96
17) 2-Methylphenol	7.134	107	313004	50.269	ng	99
18) Hexachloroethane	7.404	117	129514	43.369	ng	95
19) n-Nitroso-di-n-propyla...	7.298	70	273178	48.688	ng	98
20) 3+4-Methylphenols	7.286	107	394617	49.549	ng	92
22) Acetophenone	7.298	105	510185	48.185	ng	97
24) Nitrobenzene	7.469	77	405962	47.472	ng	100
25) Isophorone	7.710	82	761382	51.431	ng	99
26) 2-Nitrophenol	7.786	139	190721	59.118	ng	96
27) 2,4-Dimethylphenol	7.816	122	316975	58.924	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	451618	50.352	ng	99
29) 2,4-Dichlorophenol	8.022	162	320207	52.260	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	314131	46.333	ng	100
31) Naphthalene	8.192	128	1064132	47.730	ng	100
32) Benzoic acid	7.904	122	123617	26.347	ng	98
33) 4-Chloroaniline	8.233	127	150937	19.854	ng	99
34) Hexachlorobutadiene	8.310	225	196299	46.081	ng	99
35) Caprolactam	8.604	113	61656	31.647	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	365021	53.801	ng	98
37) 2-Methylnaphthalene	8.880	142	701854	51.402	ng	99
38) 1-Methylnaphthalene	8.980	142	652303	48.693	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	331879	51.923	ng	99
41) Hexachlorocyclopentadiene	9.033	237	348918	156.886	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	253091	55.928	ng	99

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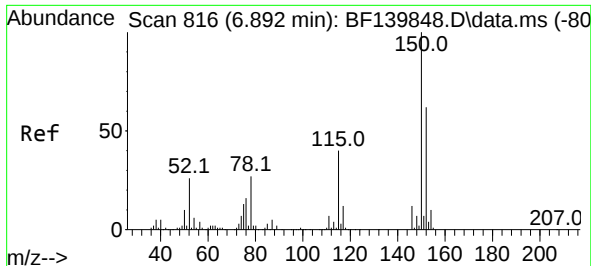
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	253581	54.313	ng	98
46) 1,1'-Biphenyl	9.345	154	857737	52.006	ng	100
47) 2-Chloronaphthalene	9.375	162	680498	51.228	ng	99
48) 2-Nitroaniline	9.463	65	244814	60.258	ng	99
49) Acenaphthylene	9.786	152	1071538	55.796	ng	99
50) Dimethylphthalate	9.645	163	828465	56.139	ng	100
51) 2,6-Dinitrotoluene	9.710	165	177848	55.660	ng	95
52) Acenaphthene	9.963	154	668819	53.836	ng	99
53) 3-Nitroaniline	9.875	138	128514	39.002	ng	97
54) 2,4-Dinitrophenol	9.980	184	66396	52.460	ng	# 1
55) Dibenzofuran	10.133	168	950618	53.332	ng	99
56) 4-Nitrophenol	10.033	139	257304	101.497	ng	99
57) 2,4-Dinitrotoluene	10.110	165	238589	60.720	ng	99
58) Fluorene	10.475	166	727096	53.557	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	204109	55.766	ng	99
60) Diethylphthalate	10.345	149	792166	54.672	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	374542	54.630	ng	97
62) 4-Nitroaniline	10.492	138	166610	53.537	ng	98
63) Azobenzene	10.627	77	802948	52.271	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	66402	40.805	ng	95
66) n-Nitrosodiphenylamine	10.586	169	673533	56.408	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	231386	56.299	ng	98
68) Hexachlorobenzene	11.022	284	257174	55.638	ng	98
69) Atrazine	11.110	200	211444	65.372	ng	99
70) Pentachlorophenol	11.216	266	237118	84.525	ng	99
71) Phenanthrene	11.439	178	1027335	54.516	ng	100
72) Anthracene	11.492	178	1041878	56.666	ng	100
73) Carbazole	11.639	167	877488	51.316	ng	100
74) Di-n-butylphthalate	11.969	149	1110467	56.209	ng	100
75) Fluoranthene	12.621	202	920478	48.318	ng	100
77) Benzidine	12.745	184	27530	8.201	ng	98
78) Pyrene	12.851	202	902116	50.481	ng	99
80) Butylbenzylphthalate	13.468	149	344594	64.319	ng	100
81) Benzo(a)anthracene	14.039	228	746125	56.143	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	188100	48.544	ng	99
83) Chrysene	14.074	228	707350	58.050	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	458667	76.306	ng	100
85) Di-n-octyl phthalate	14.639	149	799157	73.095	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	748376	45.387	ng	99
88) Benzo(b)fluoranthene	15.092	252	856677	54.869	ng	100
89) Benzo(k)fluoranthene	15.127	252	777981	57.778	ng	99
90) Benzo(a)pyrene	15.468	252	787766	61.319	ng	100
91) Dibenzo(a,h)anthracene	17.045	278	626364	45.536	ng	98
92) Benzo(g,h,i)perylene	17.474	276	506321	36.850	ng	99

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

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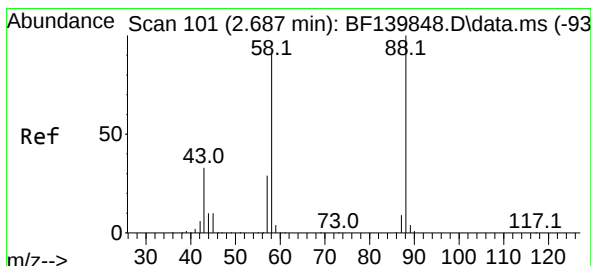
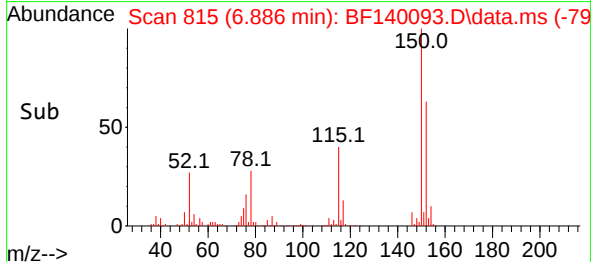
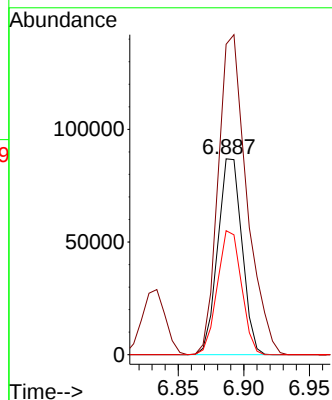
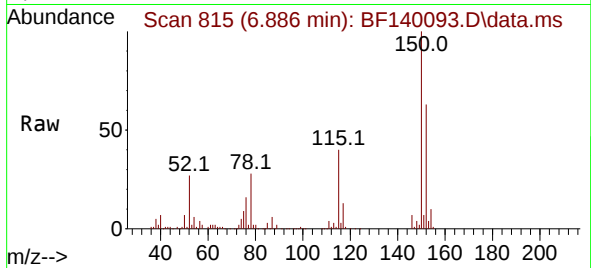




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

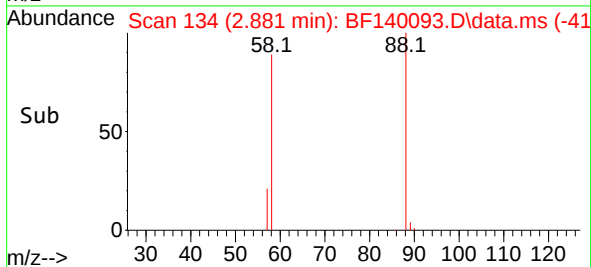
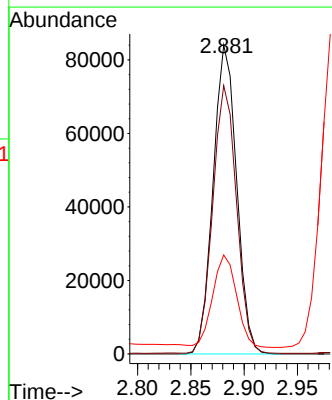
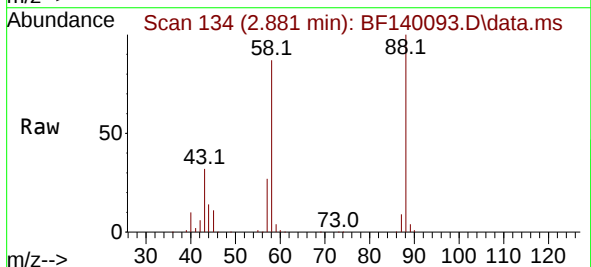
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

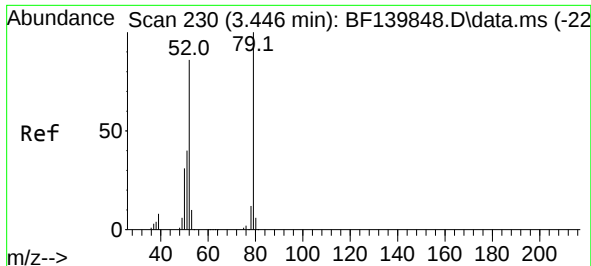
Tgt Ion:152 Resp: 111820
Ion Ratio Lower Upper
152 100
150 158.5 130.2 195.2
115 63.3 51.4 77.2



#2
1,4-Dioxane
Concen: 38.700 ng
RT: 2.881 min Scan# 134
Delta R.T. 0.194 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion: 88 Resp: 128884
Ion Ratio Lower Upper
88 100
58 87.7 73.3 109.9
43 0.0 27.1 40.7#





#3

Pyridine

Concen: 25.053 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.141 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

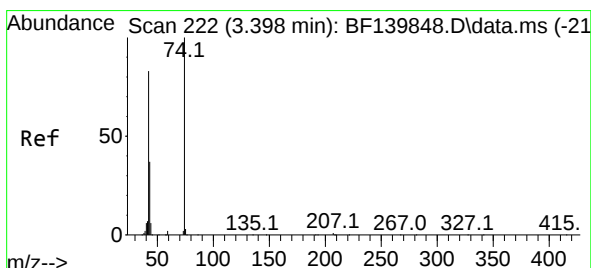
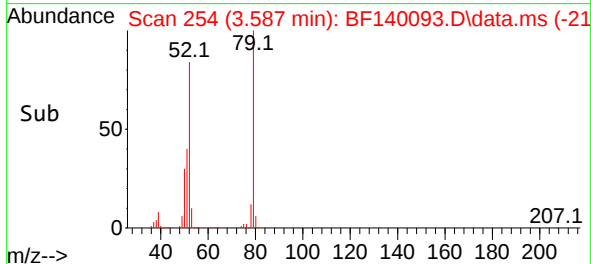
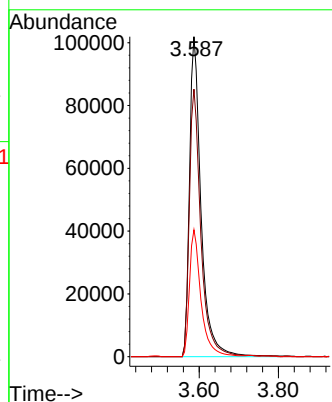
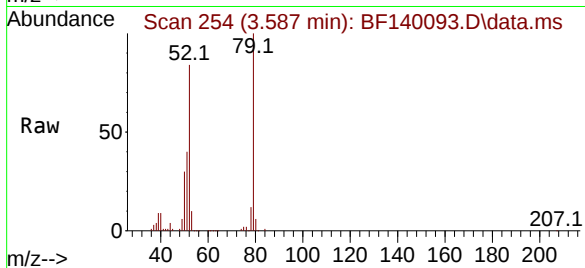
Tgt Ion: 79 Resp: 206806

Ion Ratio Lower Upper

79 100

52 83.6 68.5 102.7

51 39.7 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 42.820 ng

RT: 3.516 min Scan# 242

Delta R.T. 0.118 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

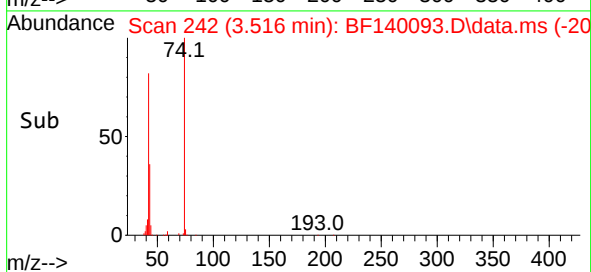
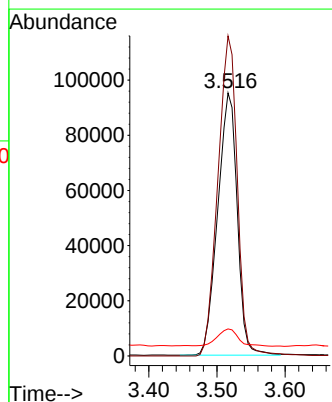
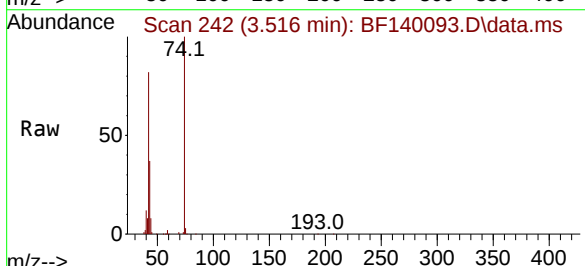
Tgt Ion: 42 Resp: 189912

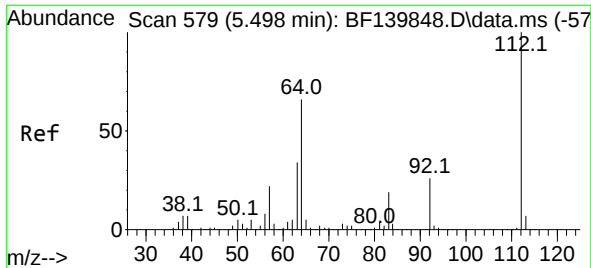
Ion Ratio Lower Upper

42 100

74 121.6 96.2 144.4

44 10.3 6.2 9.2#

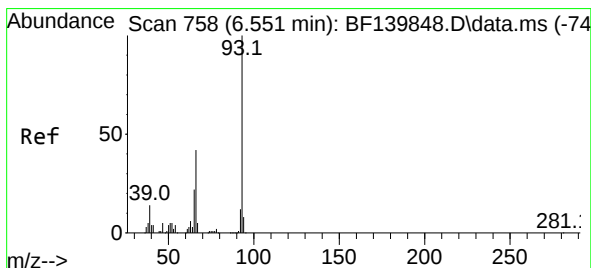
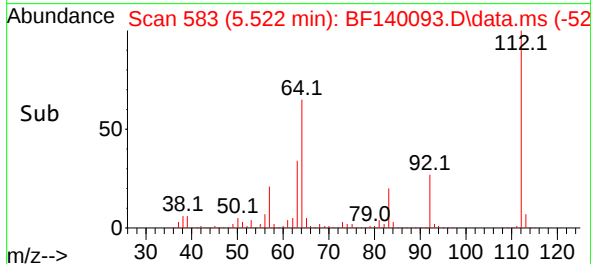
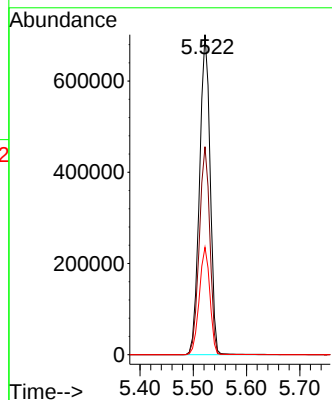
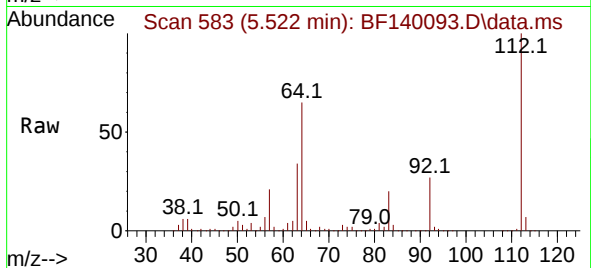




#5
2-Fluorophenol
Concen: 136.371 ng
RT: 5.522 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

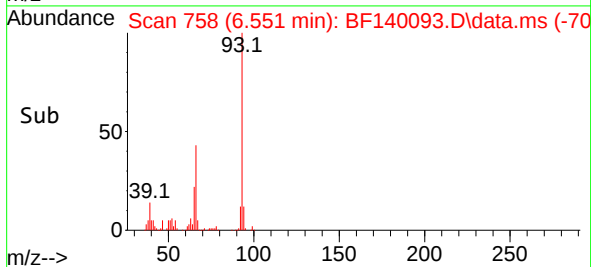
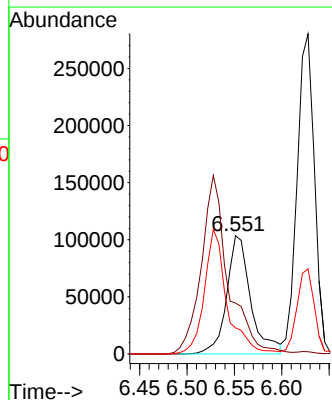
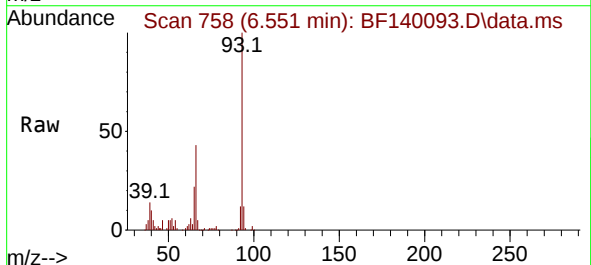
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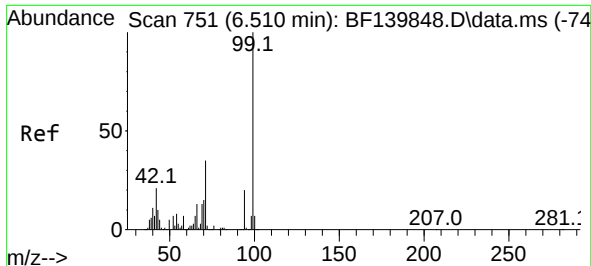
Tgt Ion:112 Resp: 974076
Ion Ratio Lower Upper
112 100
64 65.0 53.0 79.6
63 33.5 27.0 40.4



#6
Aniline
Concen: 21.161 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion: 93 Resp: 182449
Ion Ratio Lower Upper
93 100
66 43.1 34.0 51.0
65 22.1 17.4 26.0

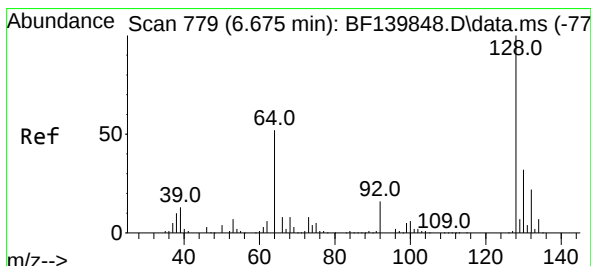
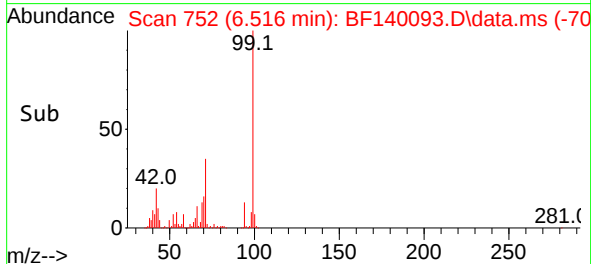
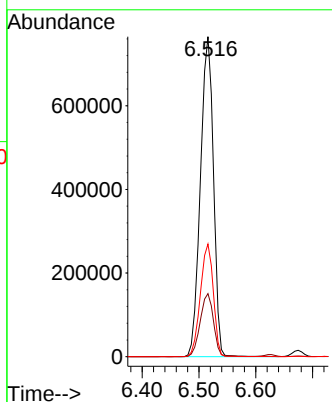
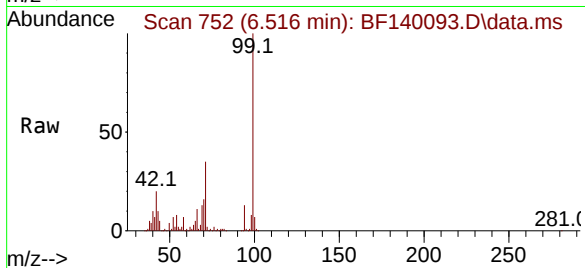




#7
Phenol-d6
Concen: 131.779 ng
RT: 6.516 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

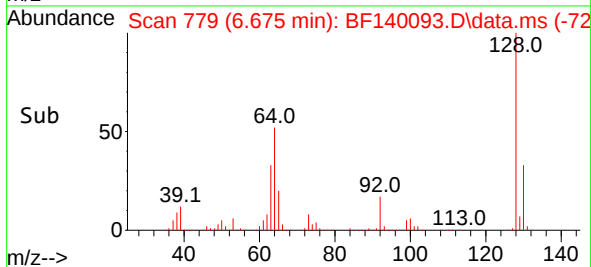
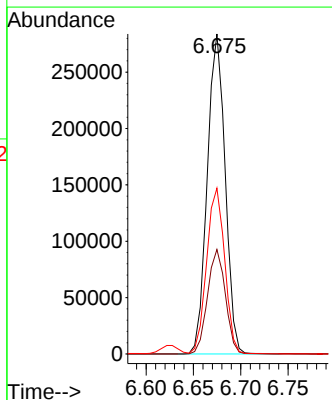
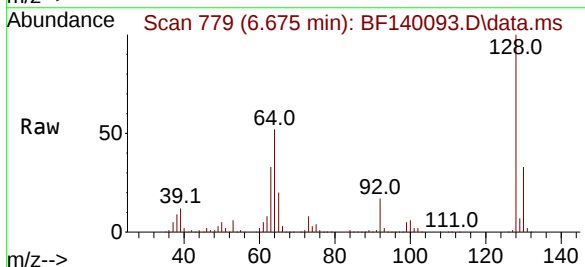
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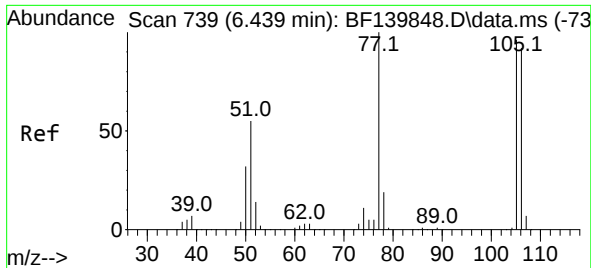
Tgt Ion: 99 Resp: 1219104
Ion Ratio Lower Upper
99 100
42 19.7 16.7 25.1
71 35.2 27.7 41.5



#8
2-Chlorophenol
Concen: 51.076 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:128 Resp: 372961
Ion Ratio Lower Upper
128 100
130 32.7 12.3 52.3
64 51.8 34.6 74.6

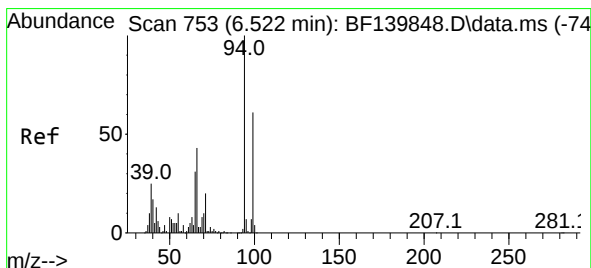
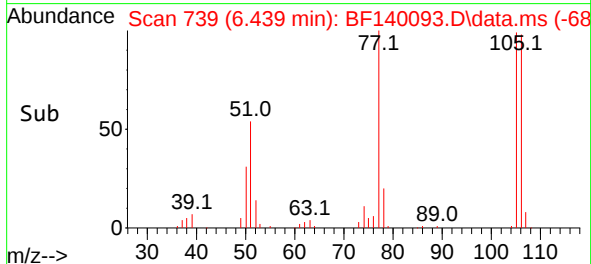
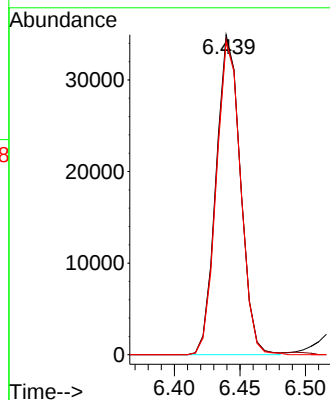
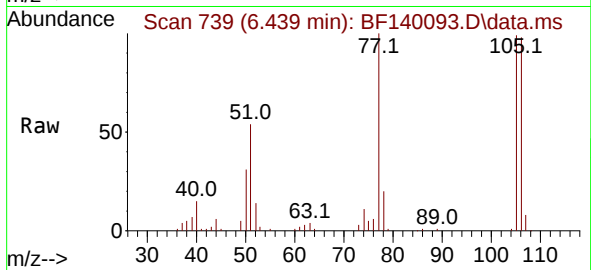




#9
Benzaldehyde
Concen: 8.637 ng
RT: 6.439 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

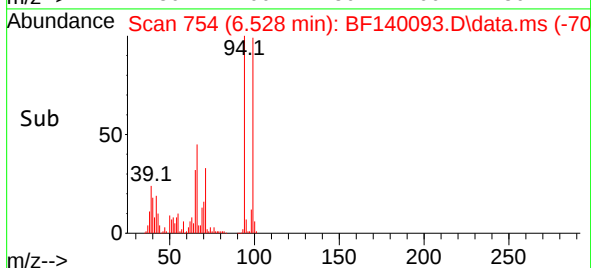
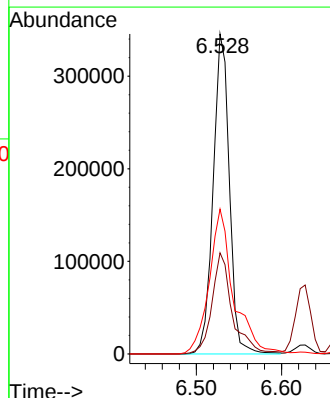
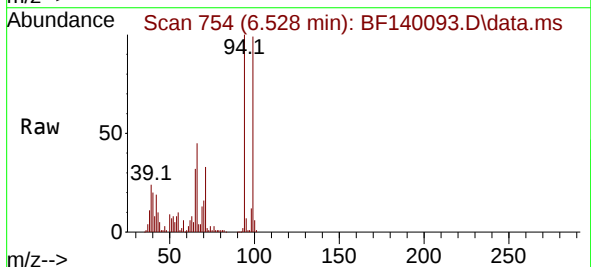
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VNJ-215MSD

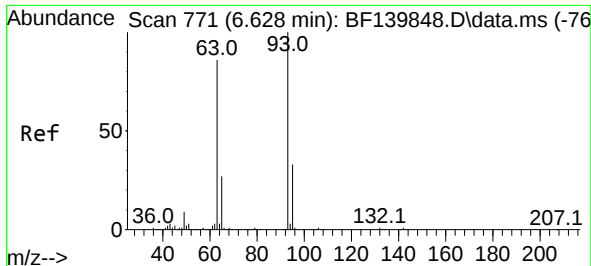
Tgt Ion:	77	Resp:	44949
Ion Ratio	Lower	Upper	
77	100		
105	98.6	75.5	115.5
106	97.6	71.7	111.7



#10
Phenol
Concen: 47.946 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:	94	Resp:	457283
Ion Ratio	Lower	Upper	
94	100		
65	31.6	11.1	51.1
66	45.3	22.7	62.7





#11

bis(2-Chloroethyl)ether

Concen: 48.313 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

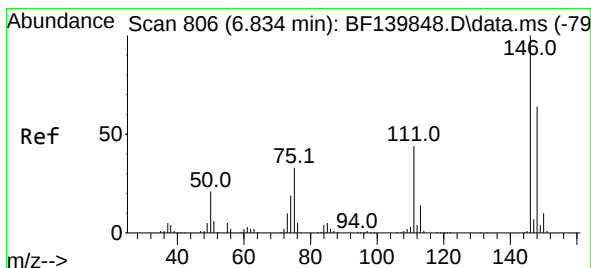
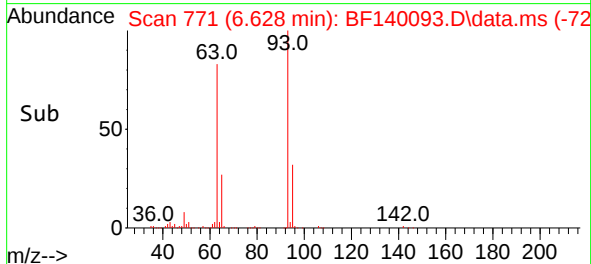
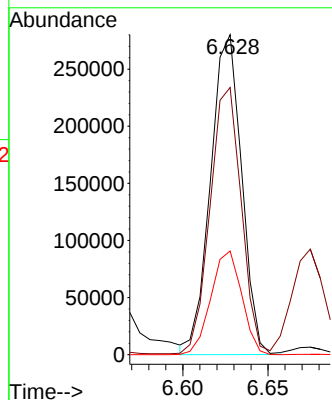
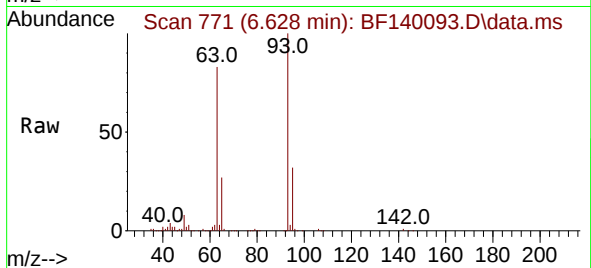
Tgt Ion: 93 Resp: 356154

Ion Ratio Lower Upper

93 100

63 83.5 65.0 105.0

95 32.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 42.853 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

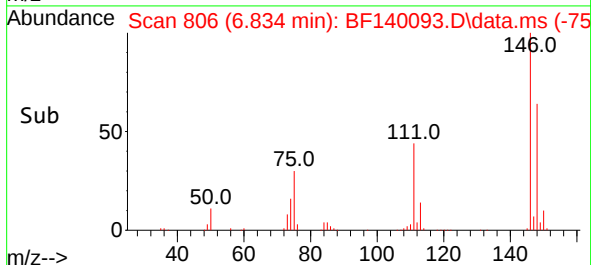
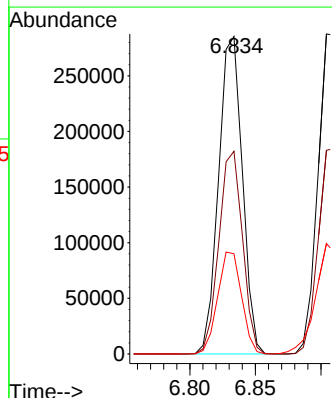
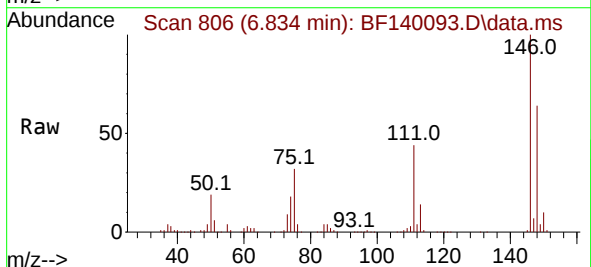
Tgt Ion: 146 Resp: 359207

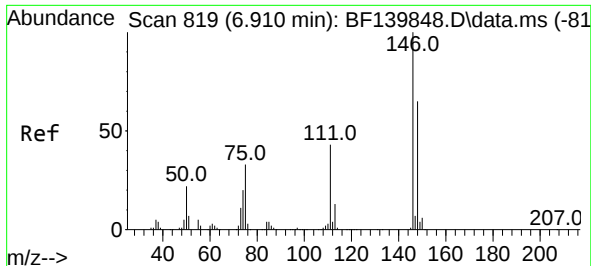
Ion Ratio Lower Upper

146 100

148 63.9 51.0 76.4

75 31.6 26.4 39.6

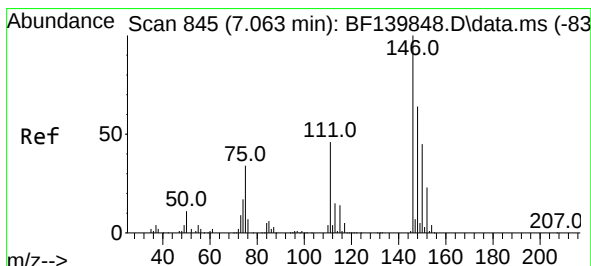
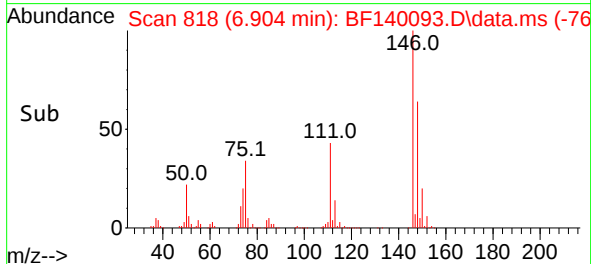
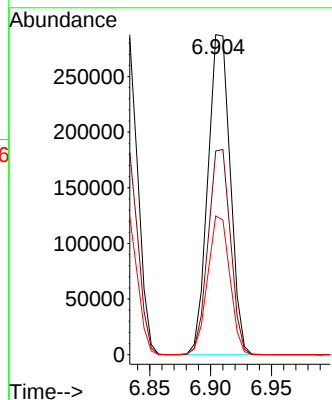
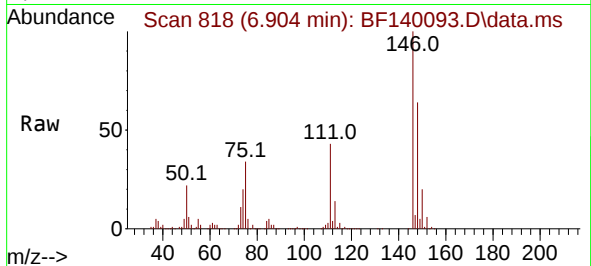




#13
1,4-Dichlorobenzene
Concen: 43.866 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

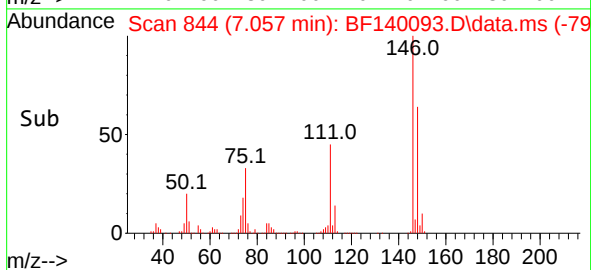
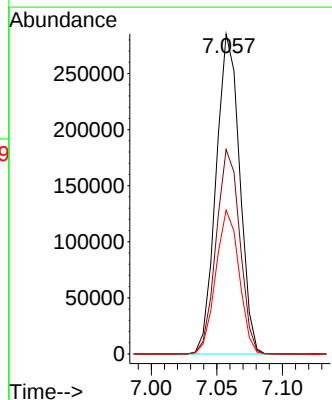
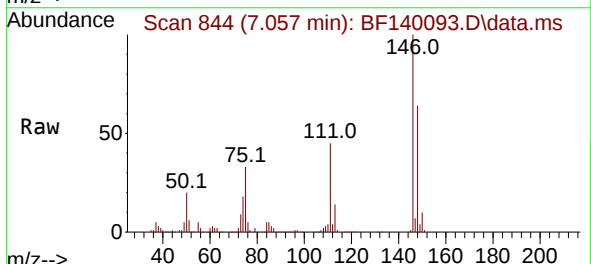
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

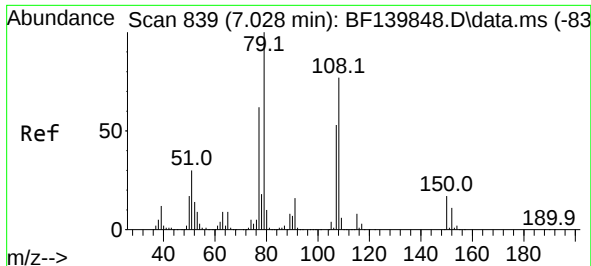
Tgt Ion:146 Resp: 367348
Ion Ratio Lower Upper
146 100
148 63.6 51.8 77.8
111 43.3 34.6 51.8



#14
1,2-Dichlorobenzene
Concen: 45.529 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:146 Resp: 355848
Ion Ratio Lower Upper
146 100
148 63.9 51.4 77.2
111 45.0 36.7 55.1

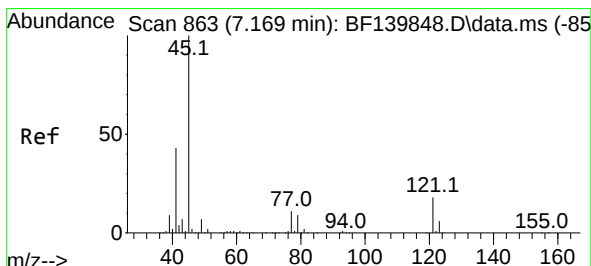
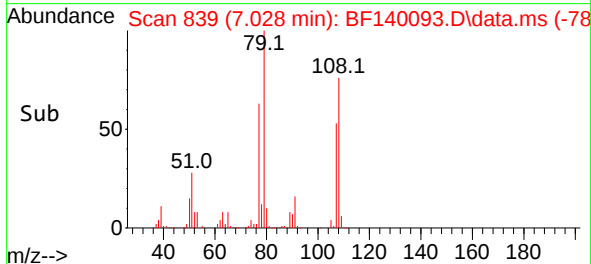
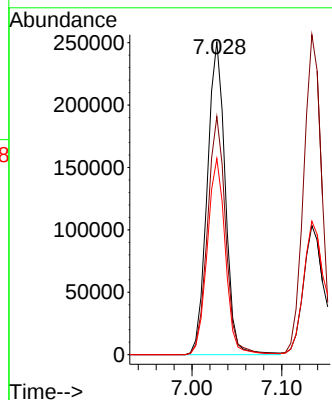
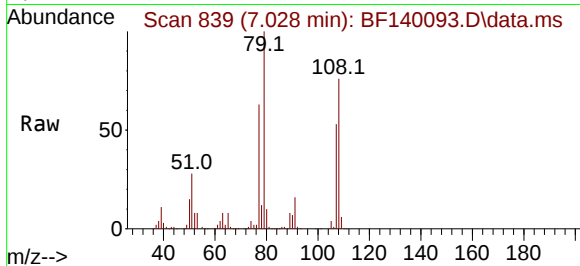




#15
Benzyl Alcohol
Concen: 51.458 ng
RT: 7.028 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

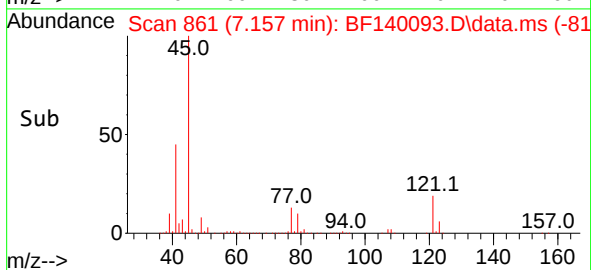
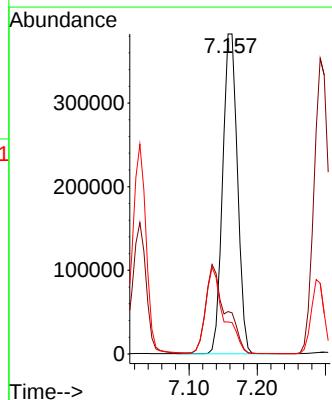
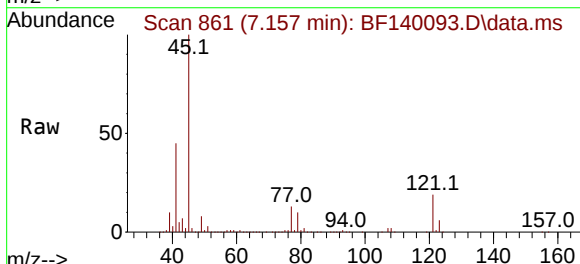
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

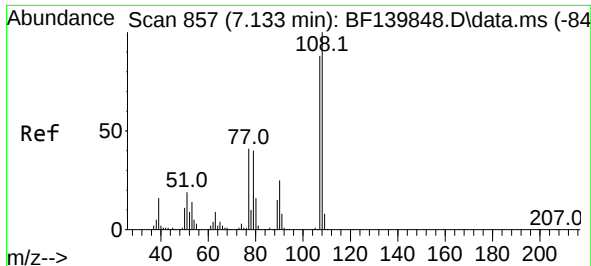
Tgt Ion: 79 Resp: 349195
Ion Ratio Lower Upper
79 100
108 76.0 61.4 92.0
77 62.6 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.935 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.012 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion: 45 Resp: 577398
Ion Ratio Lower Upper
45 100
77 13.2 0.0 31.5
79 10.0 0.0 29.1



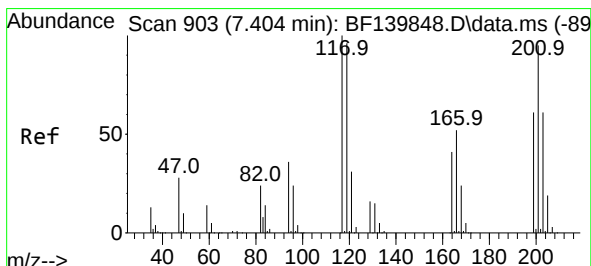
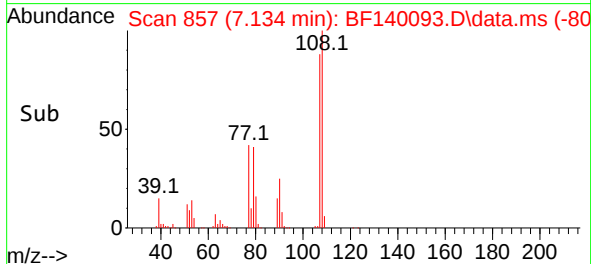
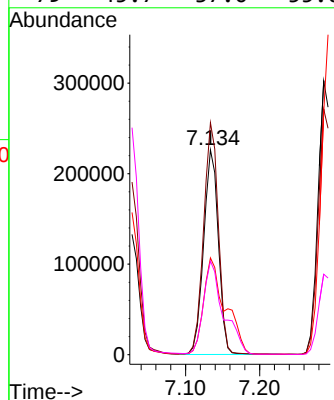
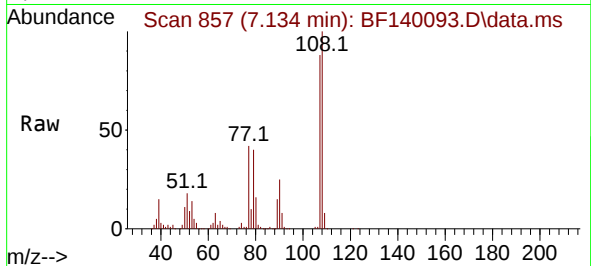


#17
2-Methylphenol
Concen: 50.269 ng
RT: 7.134 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

Tgt Ion:107 Resp: 313004

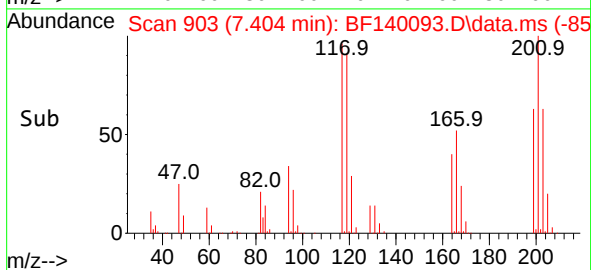
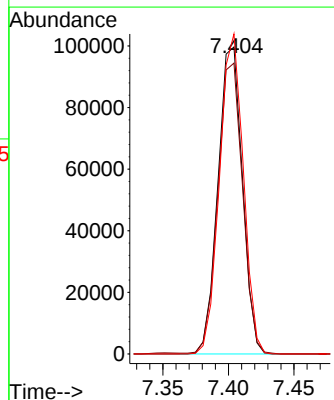
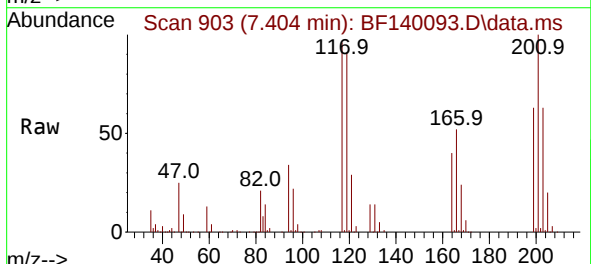
Ion	Ratio	Lower	Upper
107	100		
108	113.3	91.3	136.9
77	47.3	37.1	55.7
79	45.7	37.0	55.6

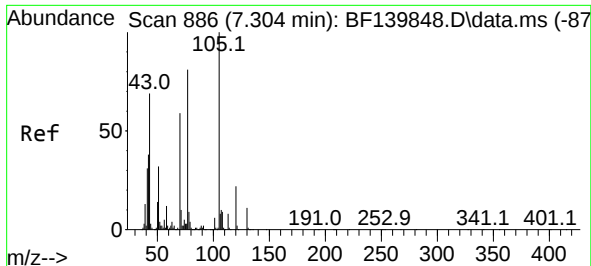


#18
Hexachloroethane
Concen: 43.369 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:117 Resp: 129514

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.0	115.4
201	104.2	76.2	114.4



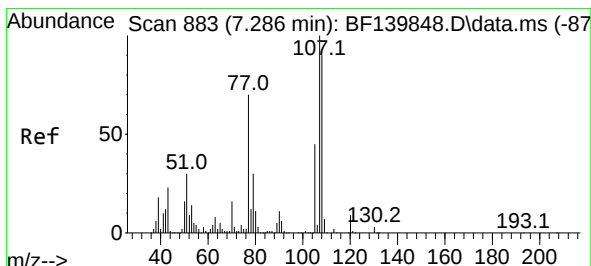
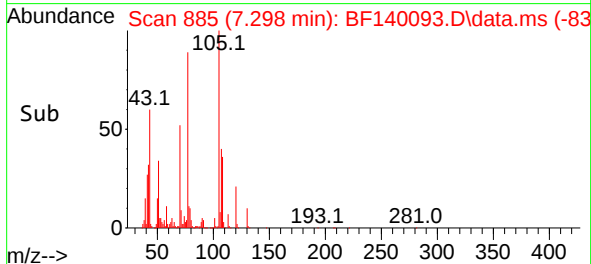
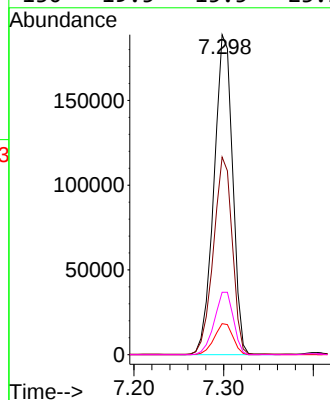
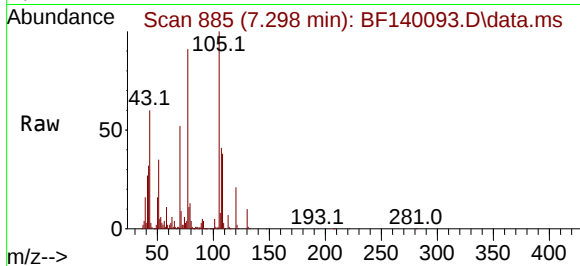


#19
n-Nitroso-di-n-propylamine
Concen: 48.688 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

Tgt Ion: 70 Resp: 273178

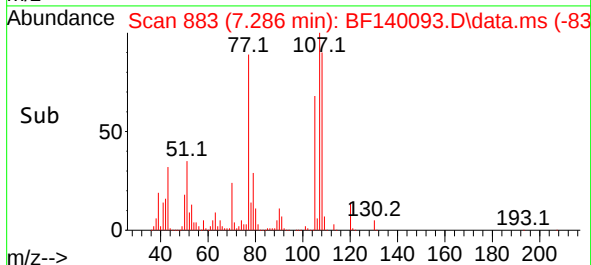
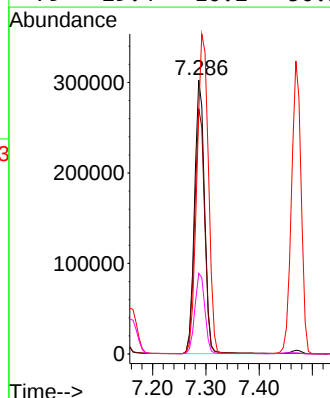
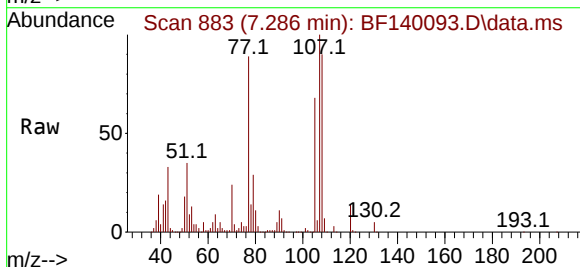
Ion	Ratio	Lower	Upper
70	100		
42	61.7	51.5	77.3
101	9.7	7.5	11.3
130	19.5	15.5	23.3

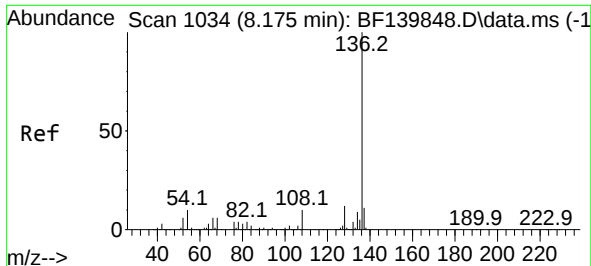


#20
3+4-Methylphenols
Concen: 49.549 ng
RT: 7.286 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion: 107 Resp: 394617

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.8	109.8
77	88.5	50.5	90.5
79	29.4	10.2	50.2



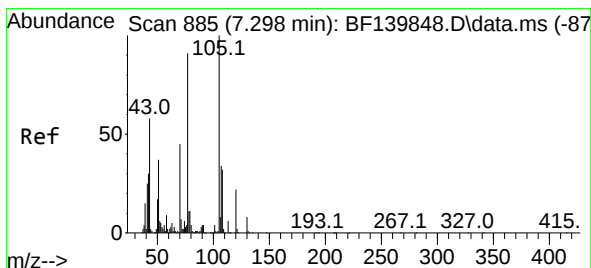
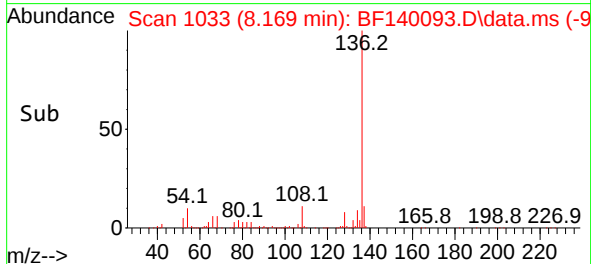
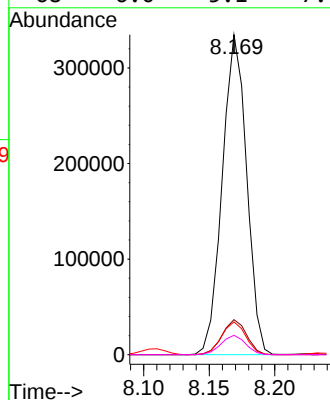
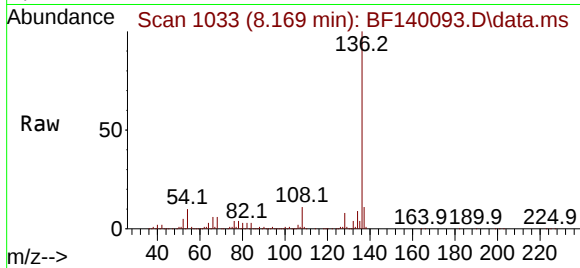


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

Tgt Ion:136 Resp: 432287

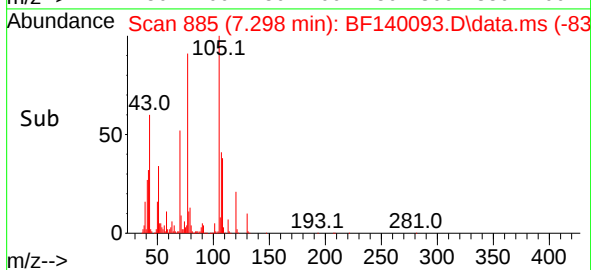
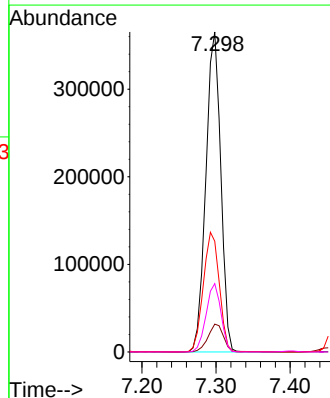
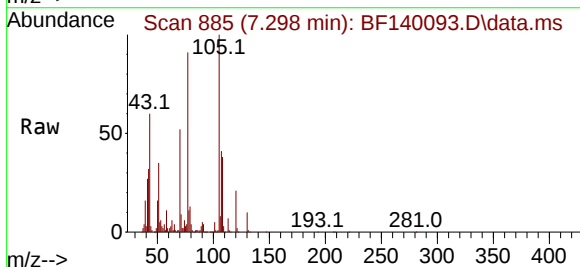
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.2	8.4	12.6
68	6.0	5.1	7.7

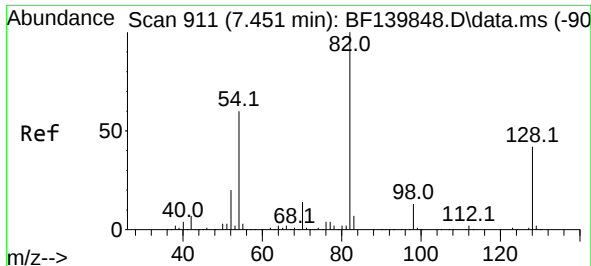


#22
Acetophenone
Concen: 48.185 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:105 Resp: 510185

Ion	Ratio	Lower	Upper
105	100		
71	8.7	5.9	8.9
51	34.6	29.4	44.2
120	21.4	17.5	26.3

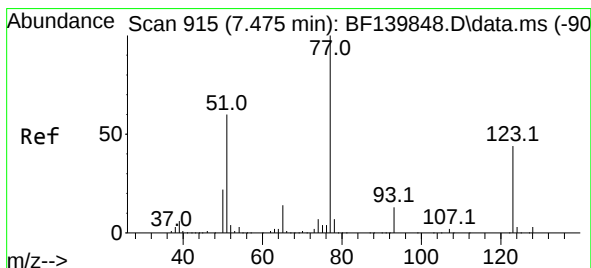
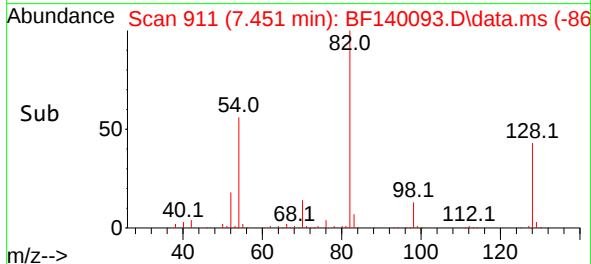
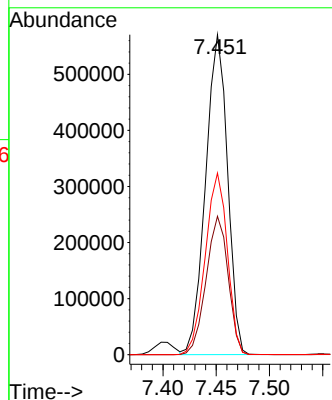
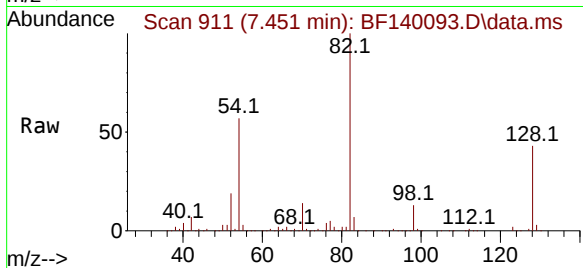




#23
 Nitrobenzene-d5
 Concen: 105.134 ng
 RT: 7.451 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: BF140093.D
 Acq: 28 Oct 2024 18:03

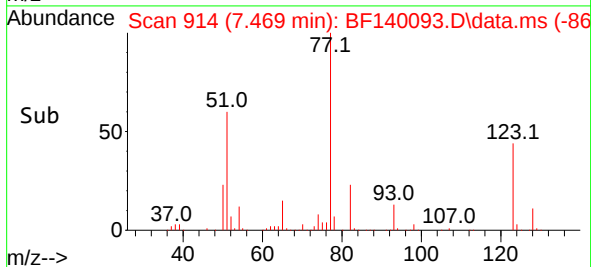
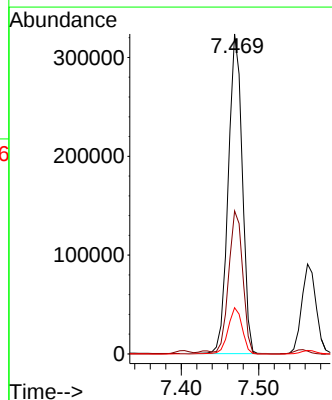
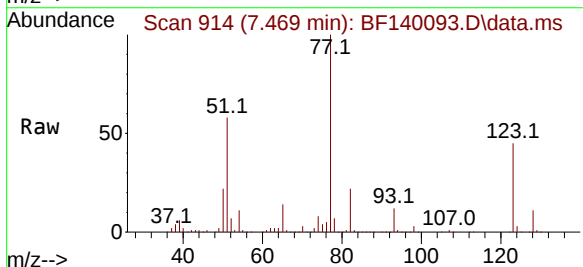
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-215MSD

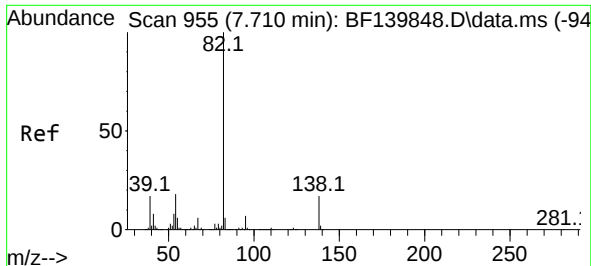
Tgt Ion: 82 Resp: 820015
 Ion Ratio Lower Upper
 82 100
 128 43.2 33.4 50.0
 54 56.8 47.8 71.8



#24
 Nitrobenzene
 Concen: 47.472 ng
 RT: 7.469 min Scan# 914
 Delta R.T. -0.006 min
 Lab File: BF140093.D
 Acq: 28 Oct 2024 18:03

Tgt Ion: 77 Resp: 405962
 Ion Ratio Lower Upper
 77 100
 123 44.7 35.7 53.5
 65 14.5 11.5 17.3

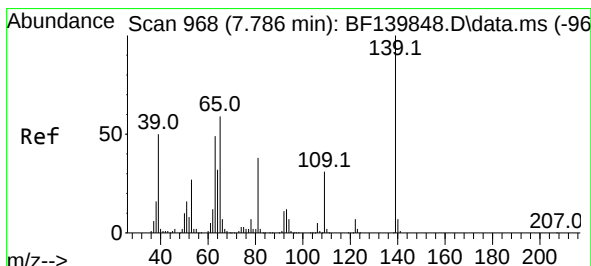
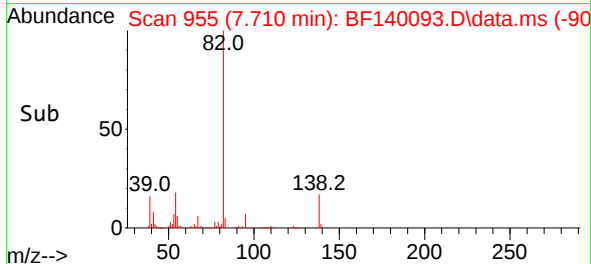
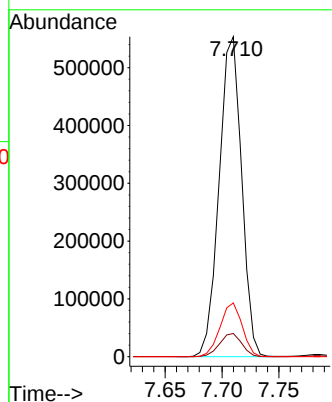
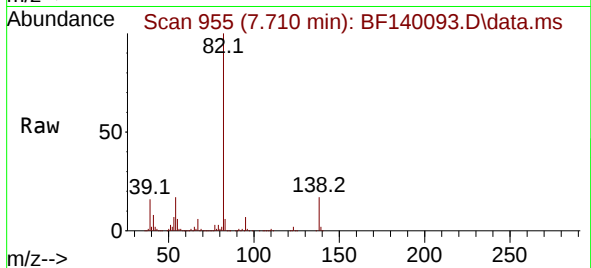




#25
Isophorone
Concen: 51.431 ng
RT: 7.710 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

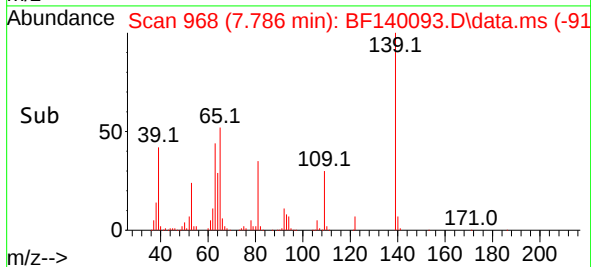
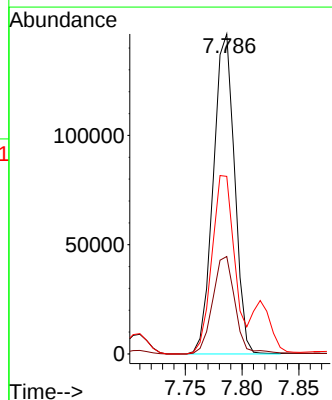
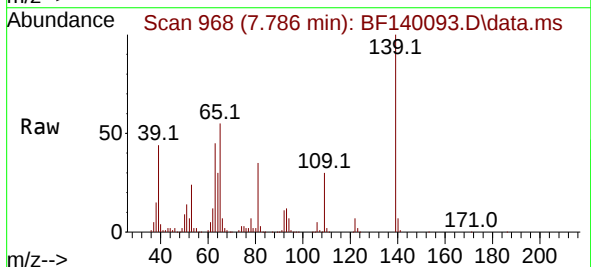
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

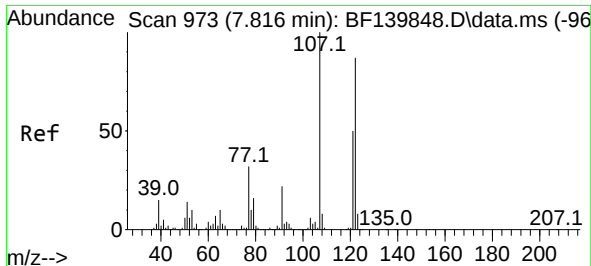
Tgt Ion: 82 Resp: 761382
Ion Ratio Lower Upper
82 100
95 7.3 5.5 8.3
138 16.8 13.2 19.8



#26
2-Nitrophenol
Concen: 59.118 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:139 Resp: 190721
Ion Ratio Lower Upper
139 100
109 30.4 25.1 37.7
65 55.5 47.5 71.3

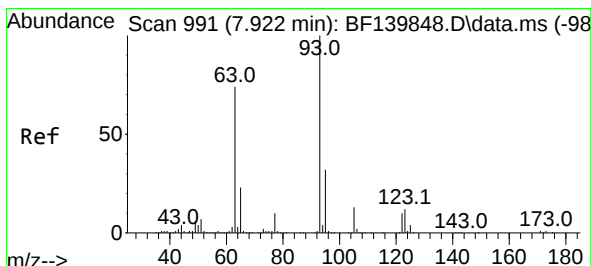
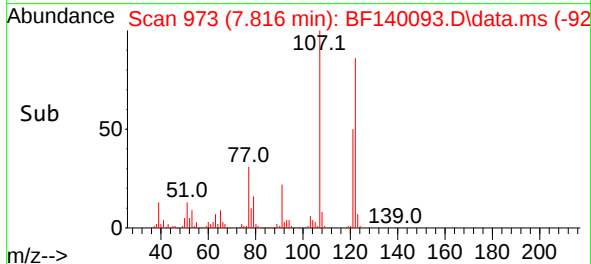
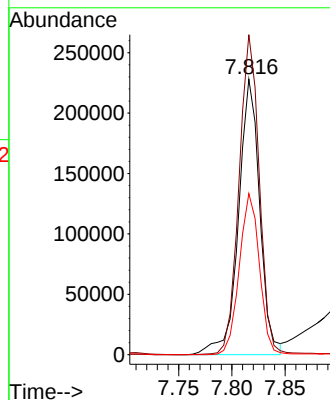
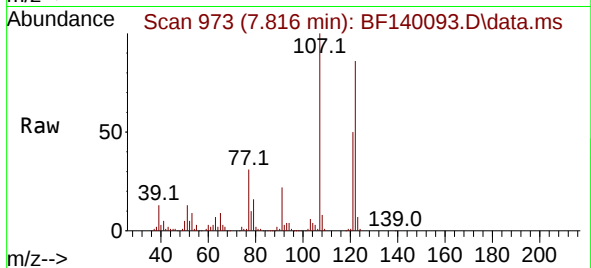




#27
2,4-Dimethylphenol
Concen: 58.924 ng
RT: 7.816 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

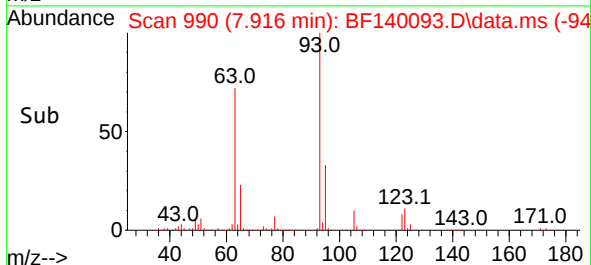
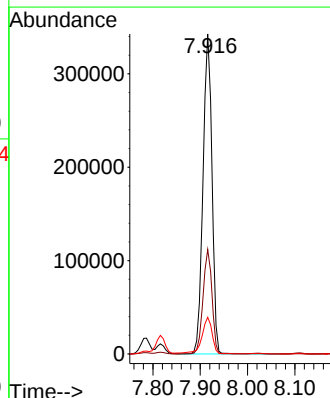
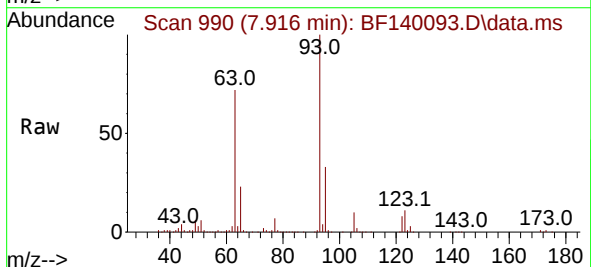
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

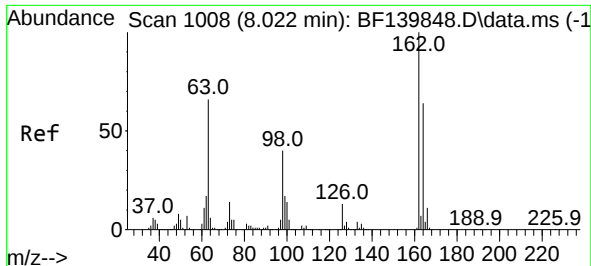
Tgt Ion:122 Resp: 316975
Ion Ratio Lower Upper
122 100
107 116.1 91.9 137.9
121 58.5 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 50.352 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion: 93 Resp: 451618
Ion Ratio Lower Upper
93 100
95 32.6 26.0 39.0
123 11.5 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 52.260 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

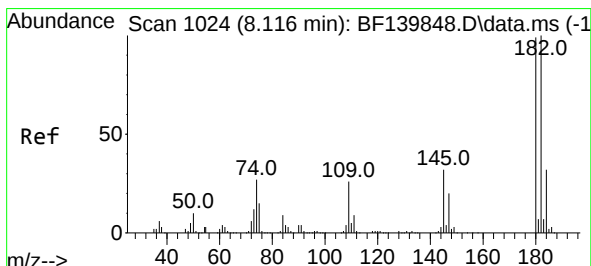
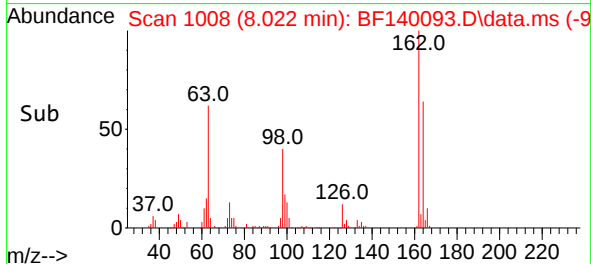
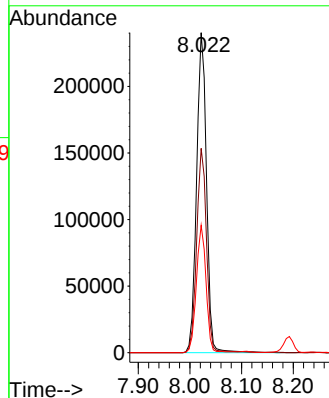
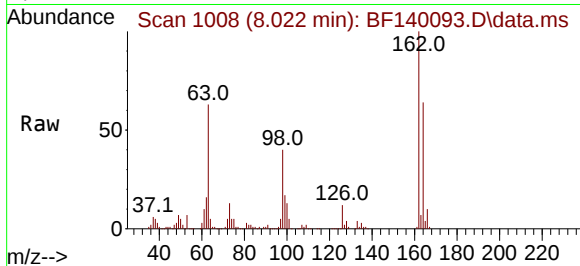
Tgt Ion:162 Resp: 320207

Ion Ratio Lower Upper

162 100

164 63.9 43.9 83.9

98 39.8 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 46.333 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

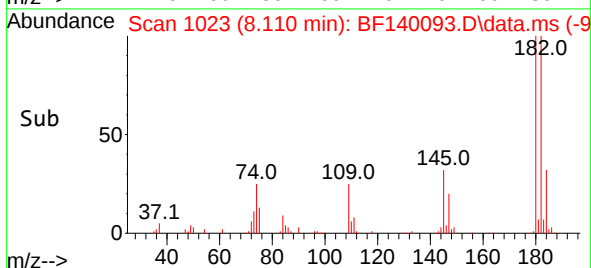
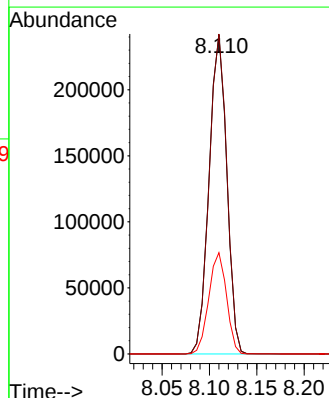
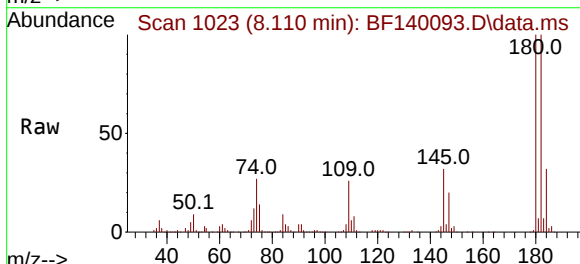
Tgt Ion:180 Resp: 314131

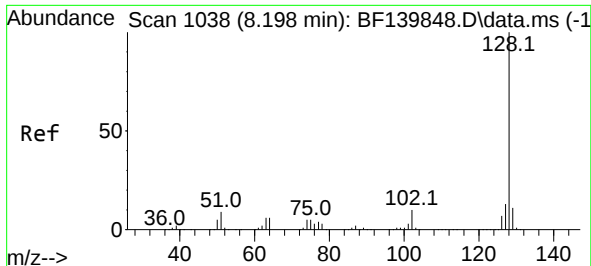
Ion Ratio Lower Upper

180 100

182 100.4 80.5 120.7

145 31.8 25.4 38.0

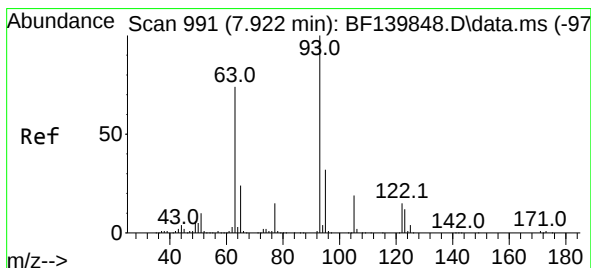
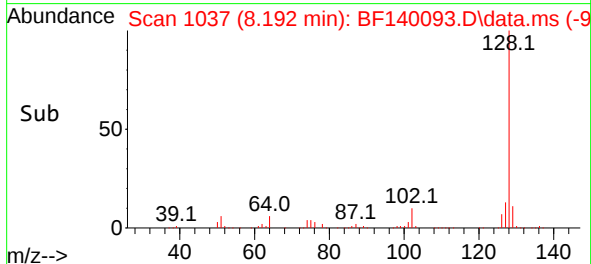
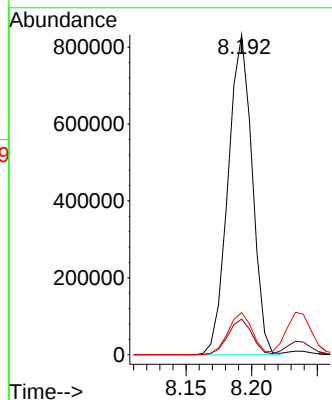
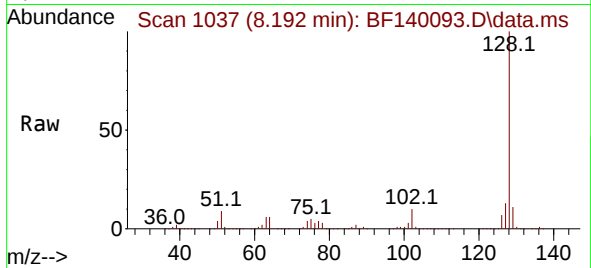




#31
Naphthalene
Concen: 47.730 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

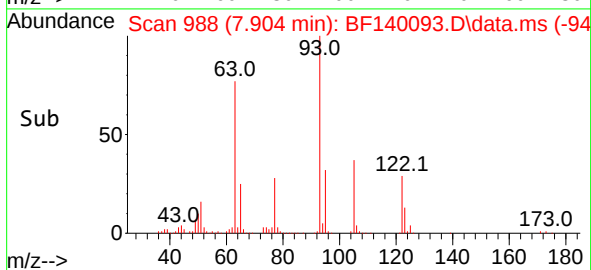
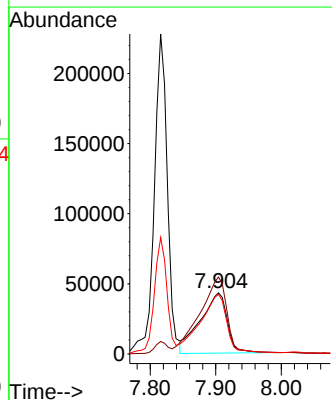
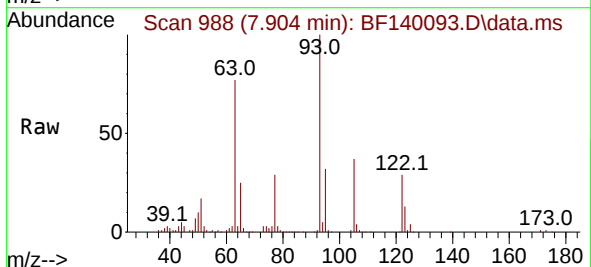
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

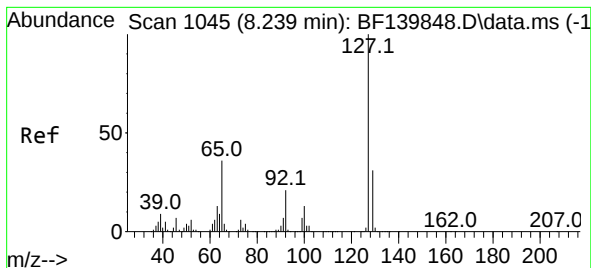
Tgt Ion:128 Resp: 1064132
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 26.347 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.018 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:122 Resp: 123617
Ion Ratio Lower Upper
122 100
105 125.8 107.6 147.6
77 97.8 80.2 120.2





#33

4-Chloroaniline

Concen: 19.854 ng

RT: 8.233 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

Tgt Ion:127 Resp: 150937

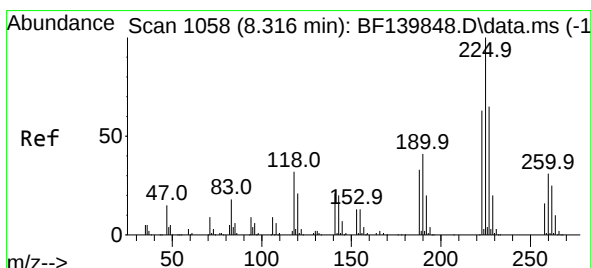
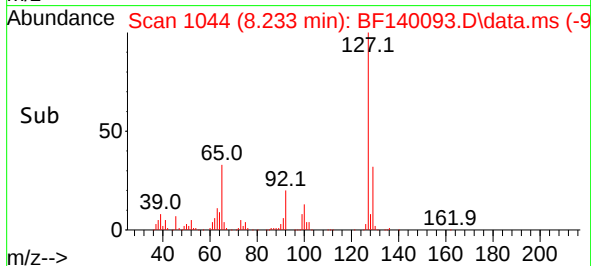
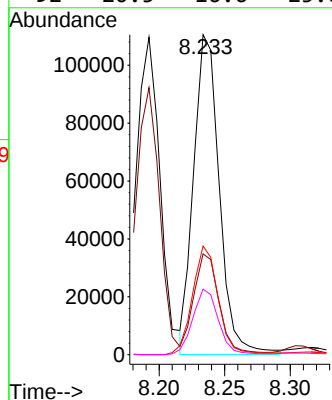
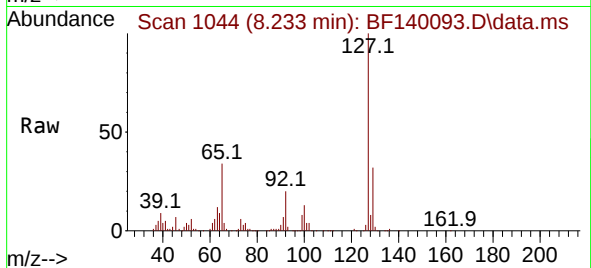
Ion Ratio Lower Upper

127 100

129 31.5 25.4 38.2

65 33.9 28.4 42.6

92 20.5 16.6 25.0



#34

Hexachlorobutadiene

Concen: 46.081 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

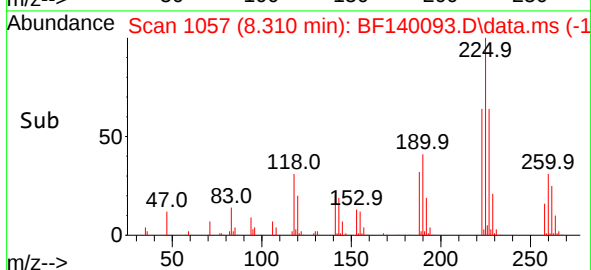
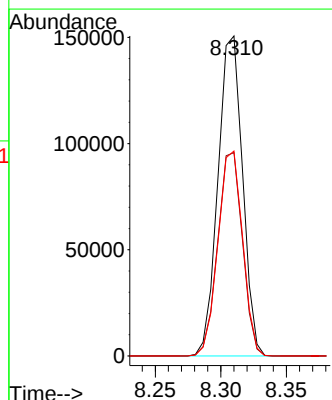
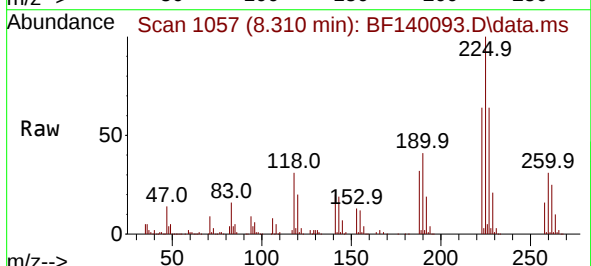
Tgt Ion:225 Resp: 196299

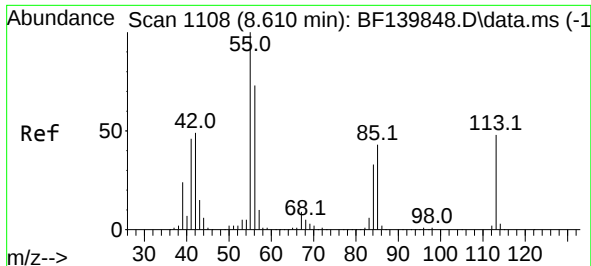
Ion Ratio Lower Upper

225 100

223 63.5 50.6 76.0

227 64.1 51.8 77.8

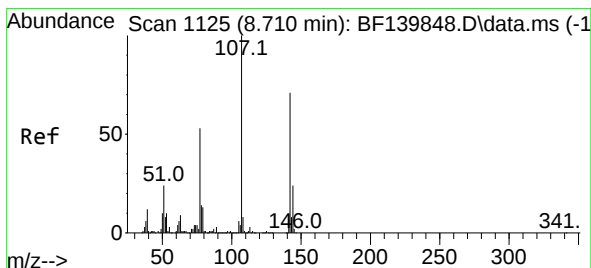
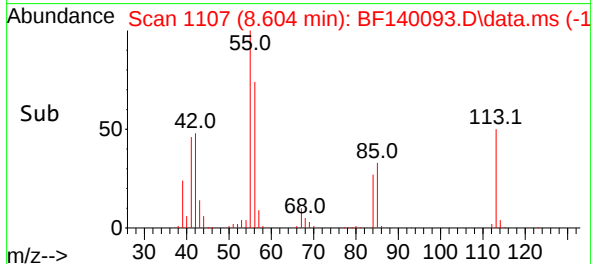
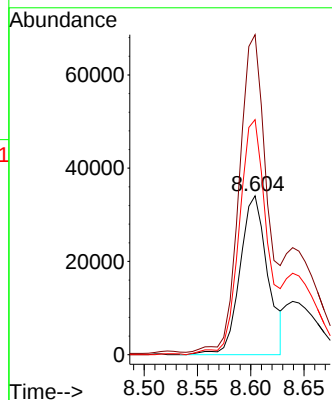
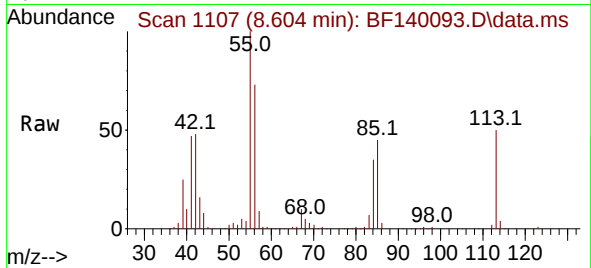




#35
 Caprolactam
 Concen: 31.647 ng
 RT: 8.604 min Scan# 1107
 Delta R.T. -0.006 min
 Lab File: BF140093.D
 Acq: 28 Oct 2024 18:03

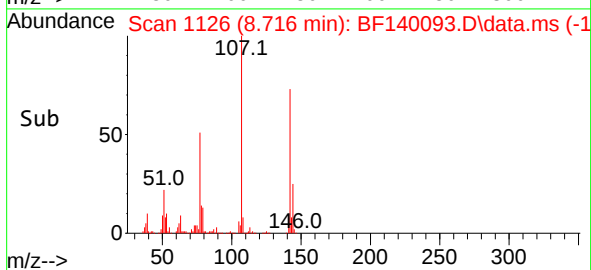
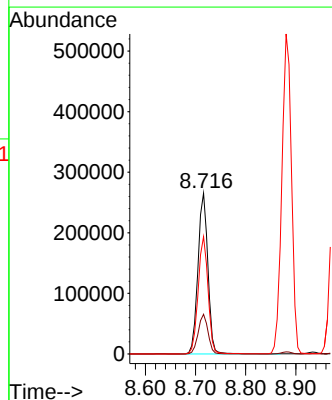
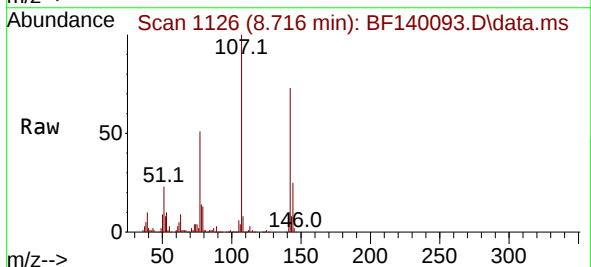
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-215MSD

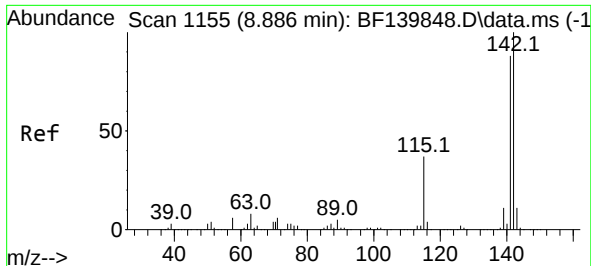
Tgt Ion:113 Resp: 61656
 Ion Ratio Lower Upper
 113 100
 55 201.5 189.2 229.2
 56 148.0 132.5 172.5



#36
 4-Chloro-3-methylphenol
 Concen: 53.801 ng
 RT: 8.716 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: BF140093.D
 Acq: 28 Oct 2024 18:03

Tgt Ion:107 Resp: 365021
 Ion Ratio Lower Upper
 107 100
 144 24.6 19.1 28.7
 142 72.9 57.2 85.8





#37

2-Methylnaphthalene

Concen: 51.402 ng

RT: 8.880 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

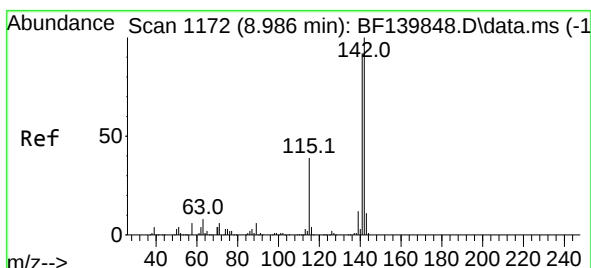
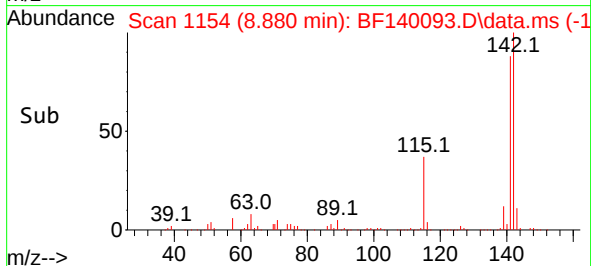
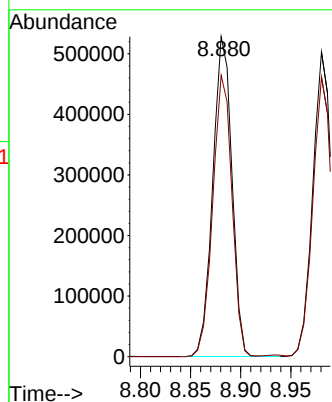
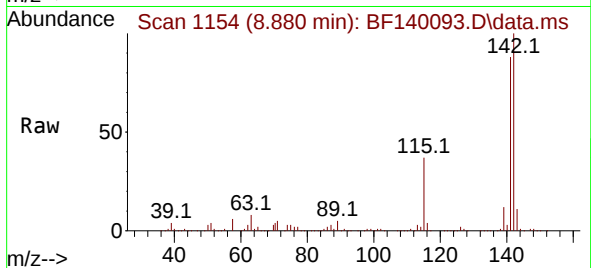
VNJ-215MSD

Tgt Ion:142 Resp: 701854

Ion Ratio Lower Upper

142 100

141 87.9 70.8 106.2



#38

1-Methylnaphthalene

Concen: 48.693 ng

RT: 8.980 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF140093.D

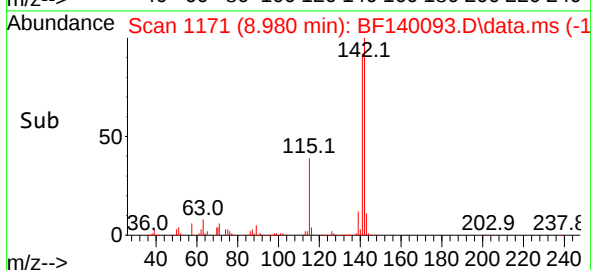
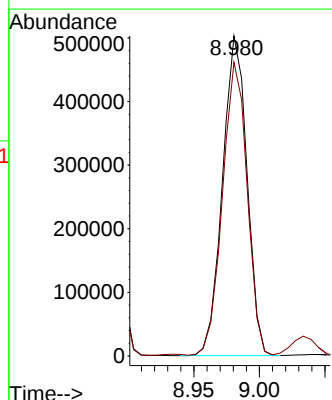
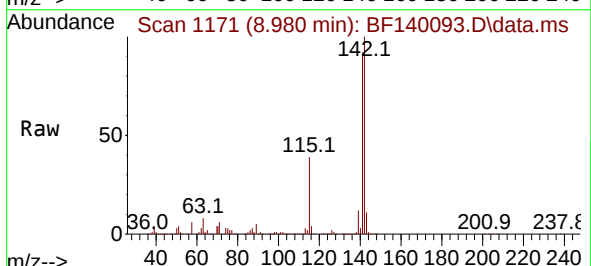
Acq: 28 Oct 2024 18:03

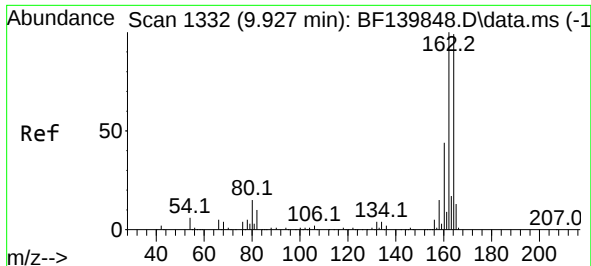
Tgt Ion:142 Resp: 652303

Ion Ratio Lower Upper

142 100

141 91.8 73.5 110.3

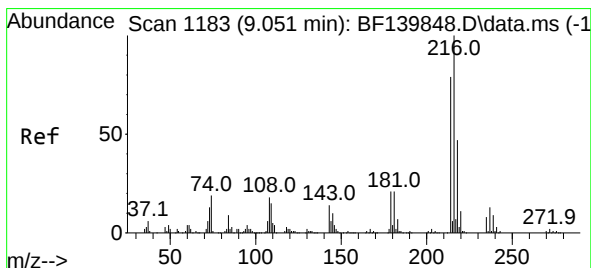
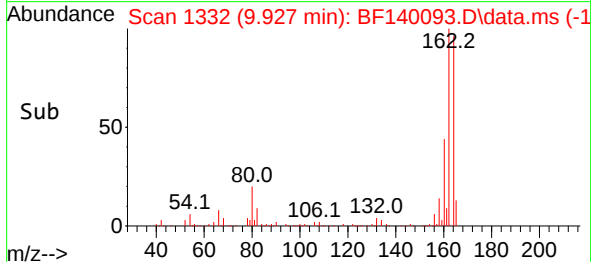
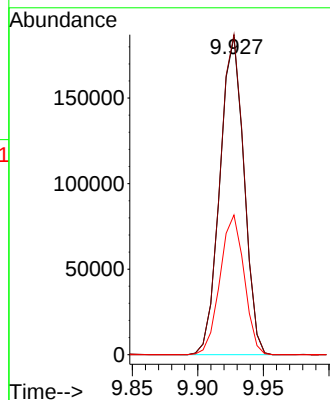
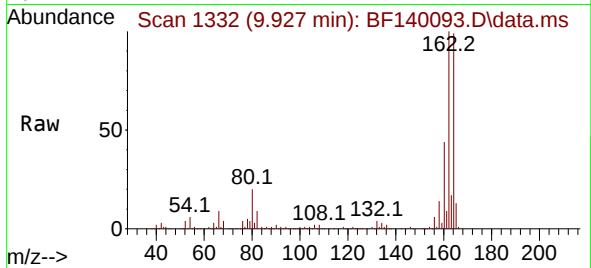




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

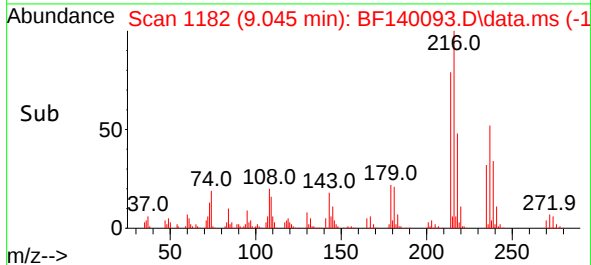
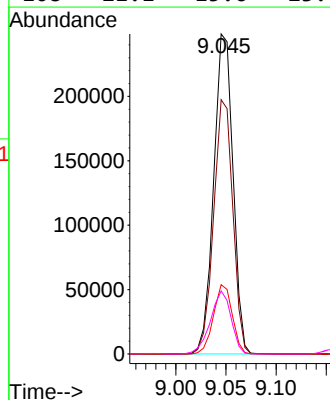
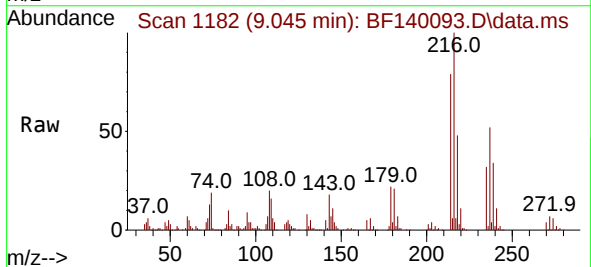
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

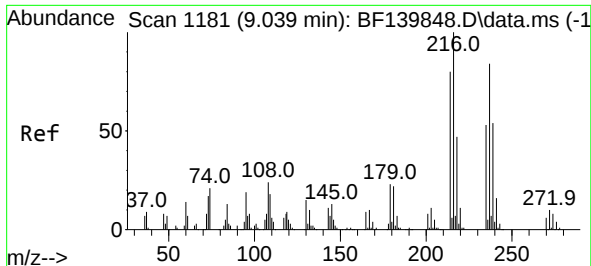
Tgt Ion:164 Resp: 236921
Ion Ratio Lower Upper
164 100
162 100.8 81.0 121.4
160 44.0 35.4 53.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.923 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:216 Resp: 331879
Ion Ratio Lower Upper
216 100
214 79.1 63.4 95.0
179 21.1 17.2 25.8
108 21.1 15.6 23.4

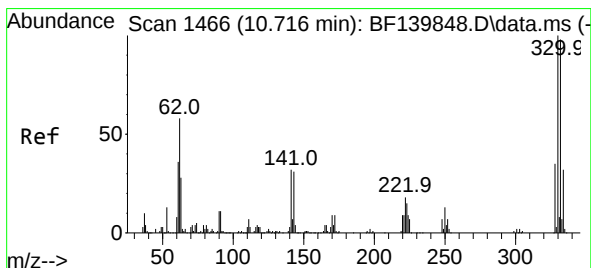
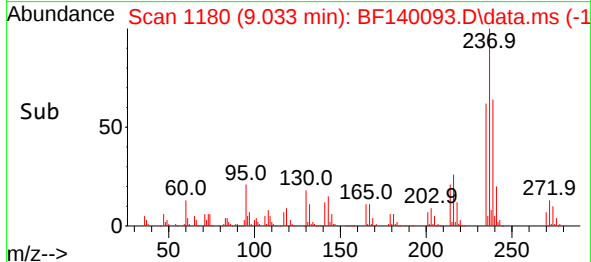
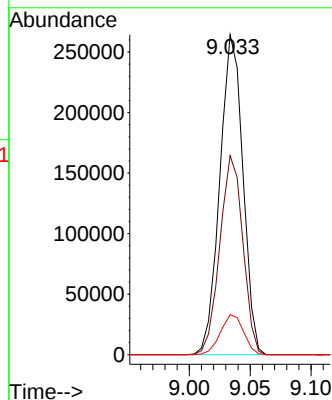
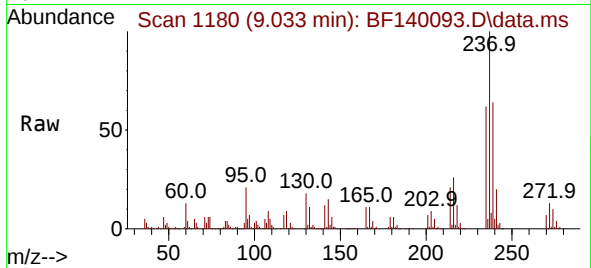




#41
Hexachlorocyclopentadiene
Concen: 156.886 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

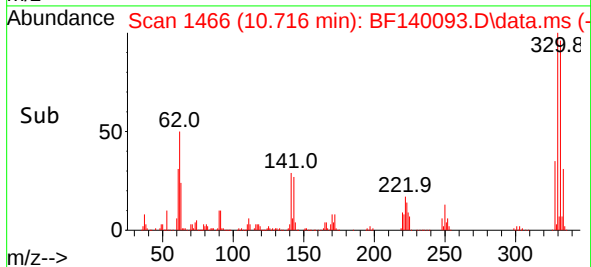
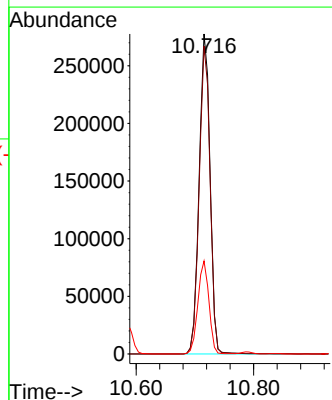
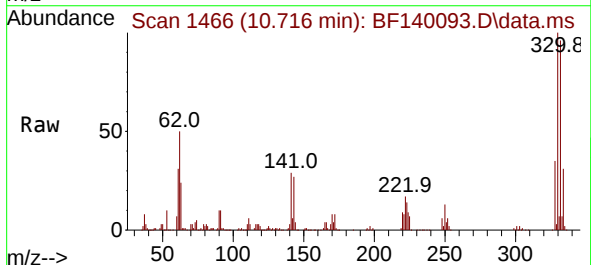
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

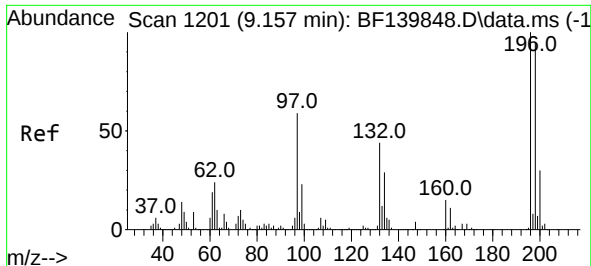
Tgt Ion:237 Resp: 348918
Ion Ratio Lower Upper
237 100
235 62.2 42.9 82.9
272 12.5 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 161.659 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:330 Resp: 358251
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 29.3 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 55.928 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

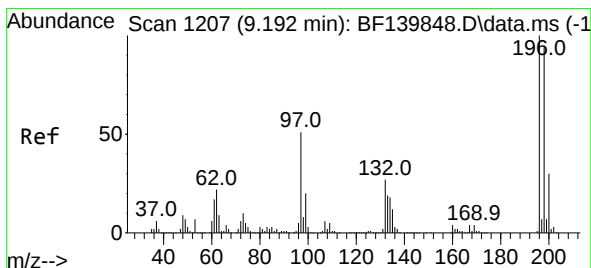
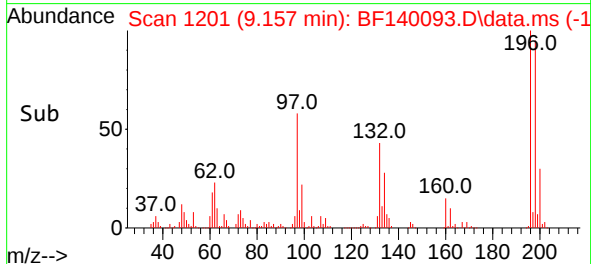
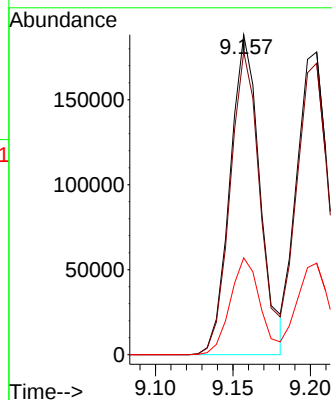
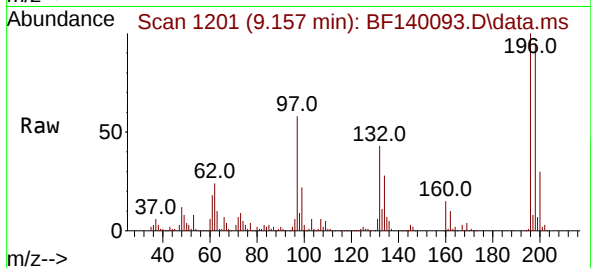
Tgt Ion:196 Resp: 253091

Ion Ratio Lower Upper

196 100

198 94.7 76.2 114.2

200 30.2 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 54.313 ng

RT: 9.204 min Scan# 1209

Delta R.T. 0.012 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Tgt Ion:196 Resp: 253581

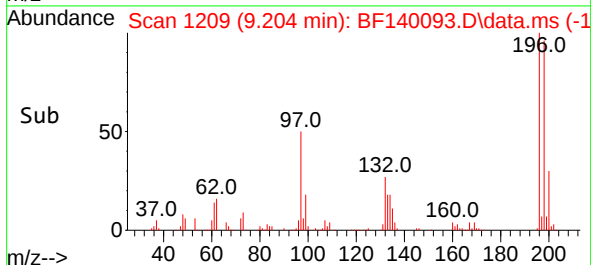
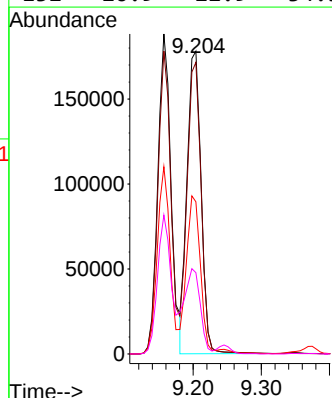
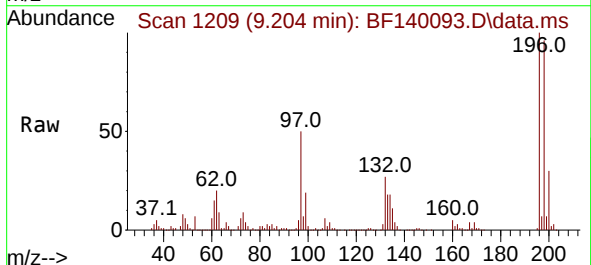
Ion Ratio Lower Upper

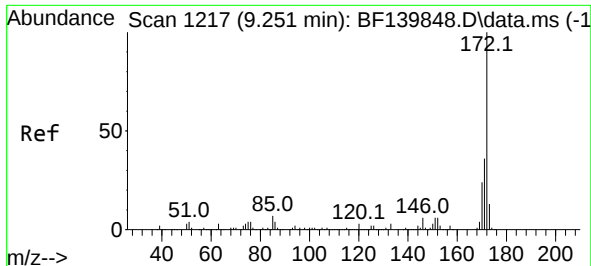
196 100

198 96.3 75.8 113.6

97 50.3 41.8 62.6

132 26.9 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 100.702 ng

RT: 9.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

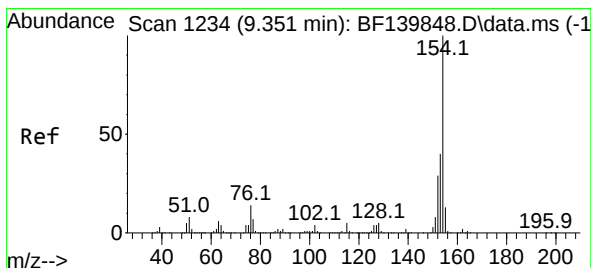
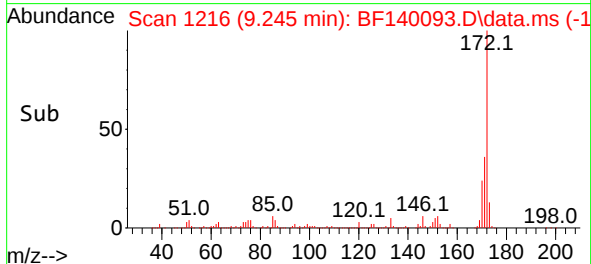
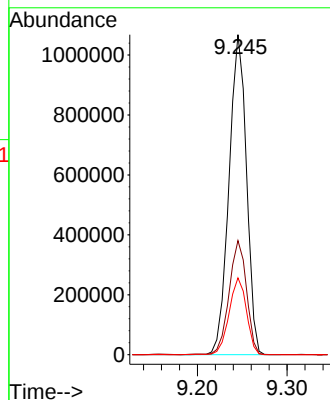
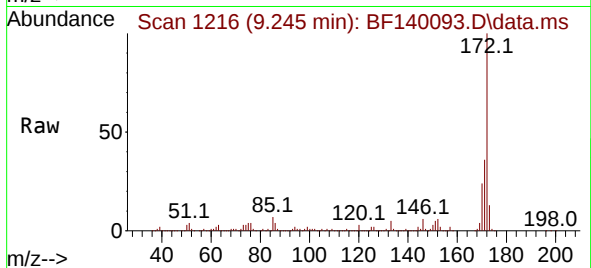
Tgt Ion:172 Resp: 1443612

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 24.0 19.1 28.7



#46

1,1'-Biphenyl

Concen: 52.006 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

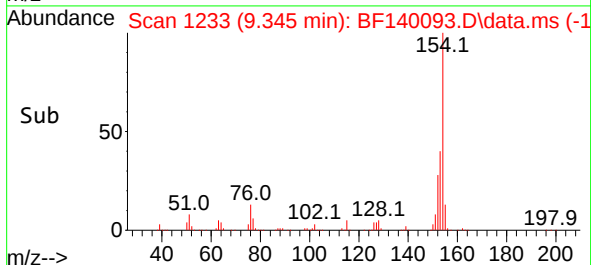
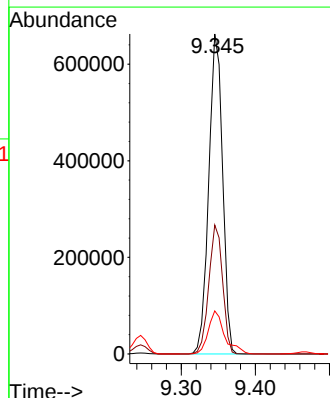
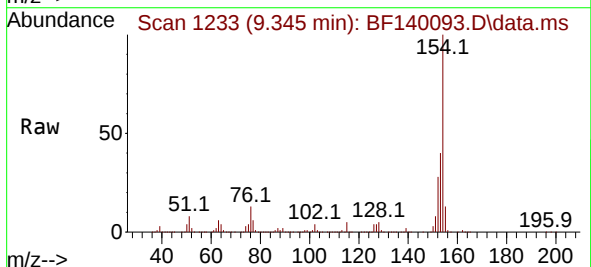
Tgt Ion:154 Resp: 857737

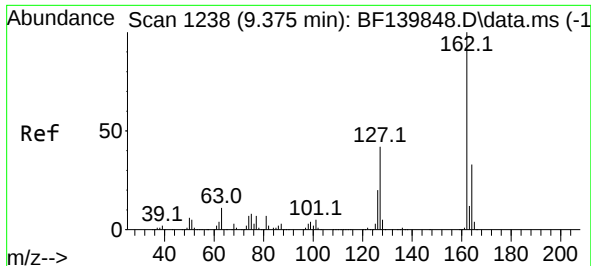
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 13.5 0.0 33.9

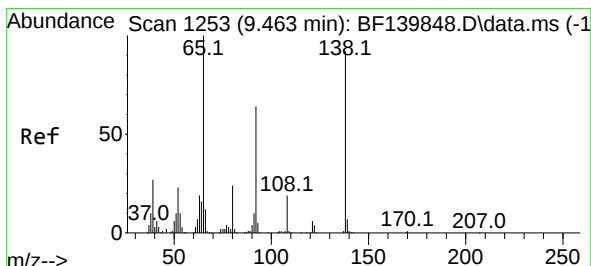
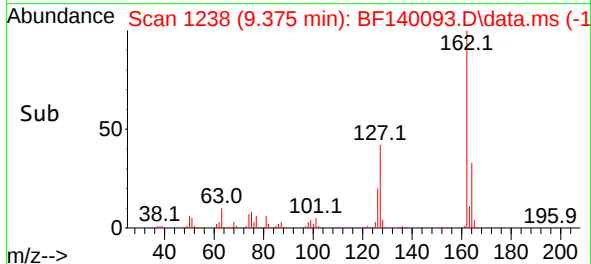
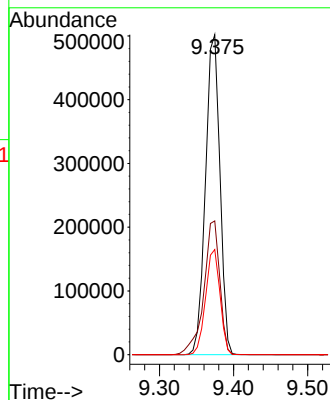
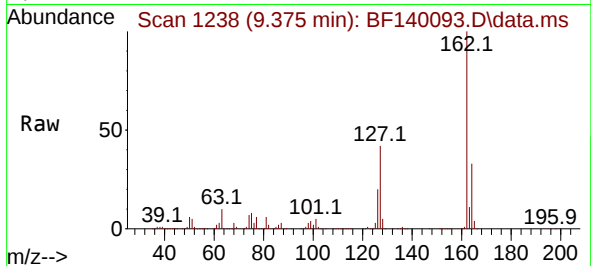




#47
2-Chloronaphthalene
Concen: 51.228 ng
RT: 9.375 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

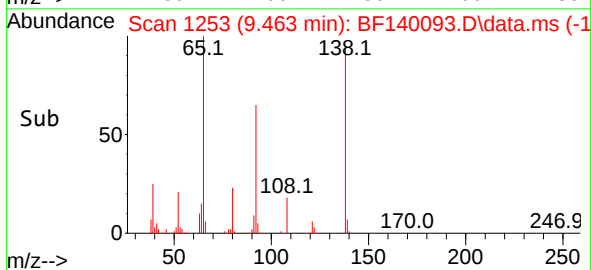
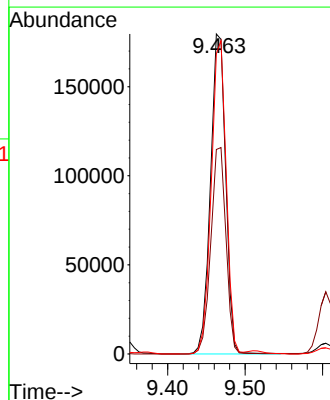
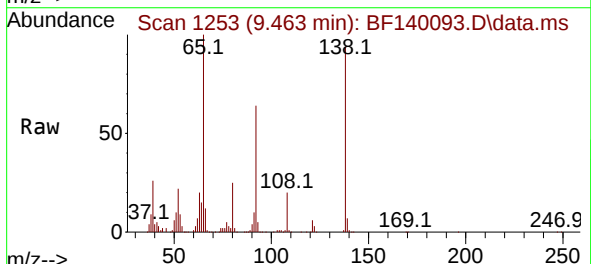
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

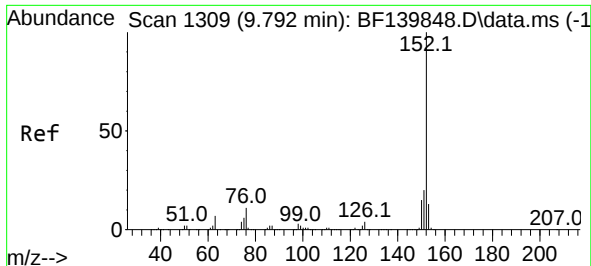
Tgt Ion:162 Resp: 680498
Ion Ratio Lower Upper
162 100
127 41.8 33.8 50.6
164 32.8 26.6 39.8



#48
2-Nitroaniline
Concen: 60.258 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion: 65 Resp: 244814
Ion Ratio Lower Upper
65 100
92 63.9 50.9 76.3
138 93.8 73.4 110.0





#49

Acenaphthylene

Concen: 55.796 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

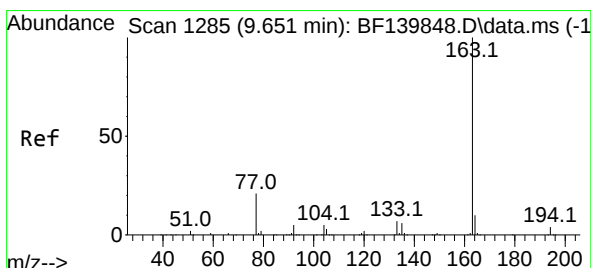
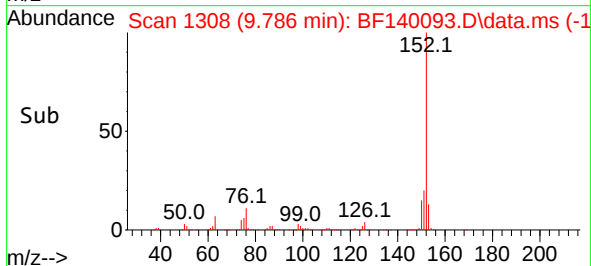
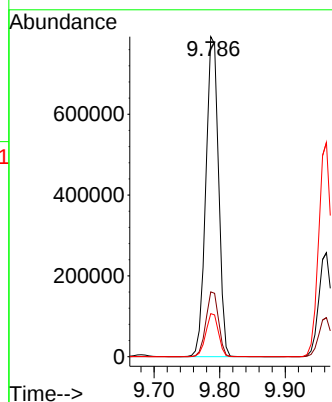
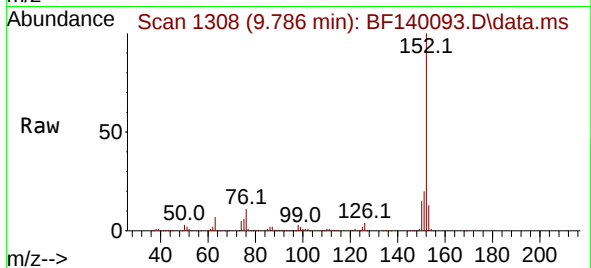
Tgt Ion:152 Resp: 1071538

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

153 13.5 10.7 16.1



#50

Dimethylphthalate

Concen: 56.139 ng

RT: 9.645 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

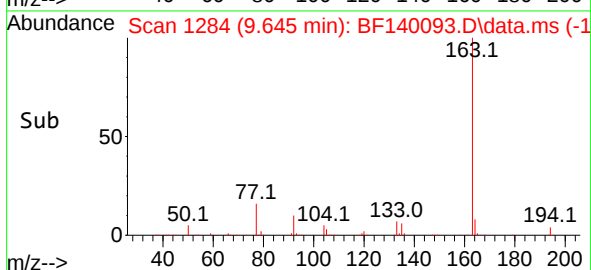
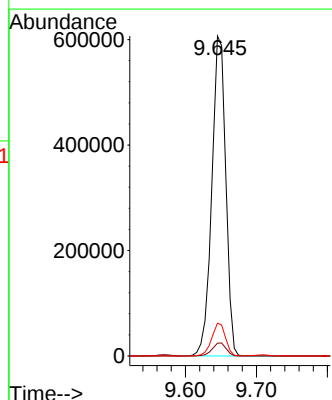
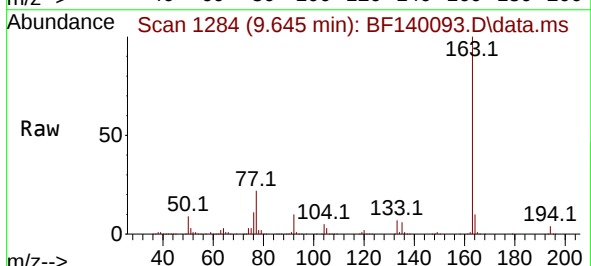
Tgt Ion:163 Resp: 828465

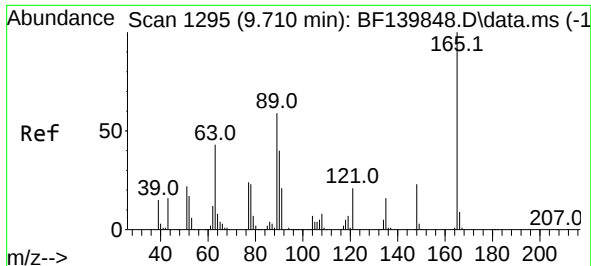
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

164 10.2 8.2 12.2

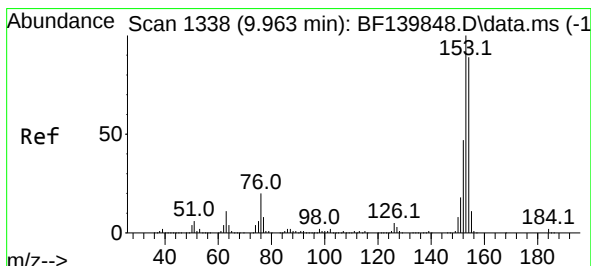
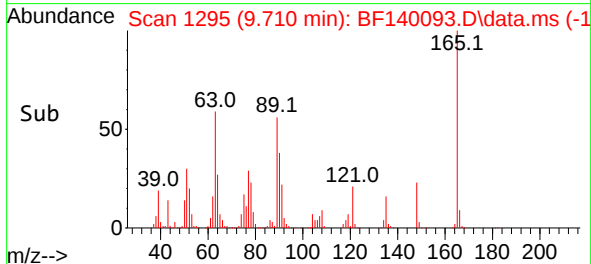
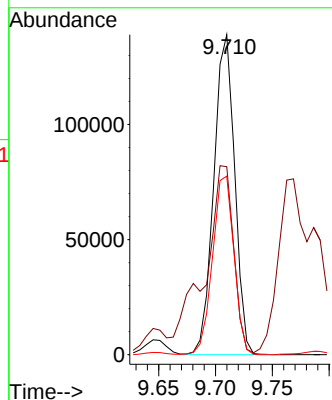
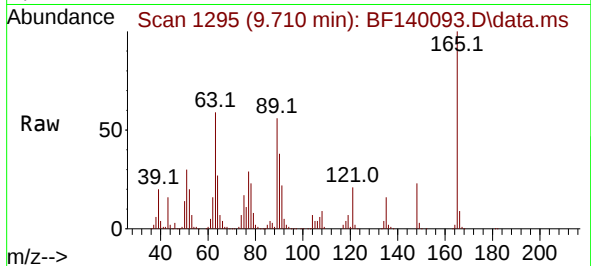




#51
2,6-Dinitrotoluene
Concen: 55.660 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

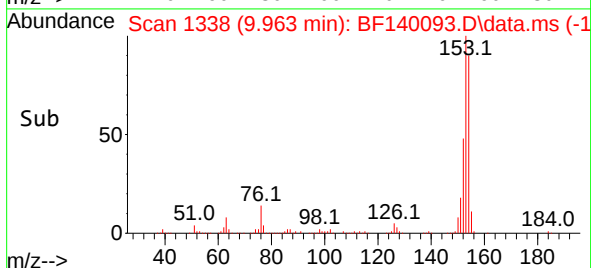
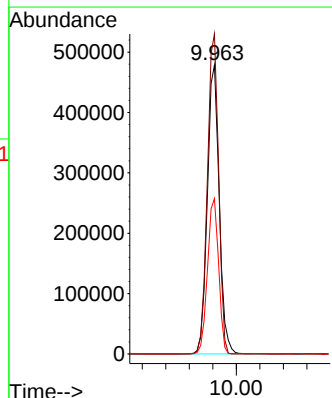
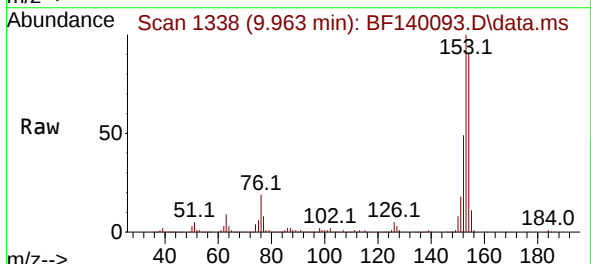
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

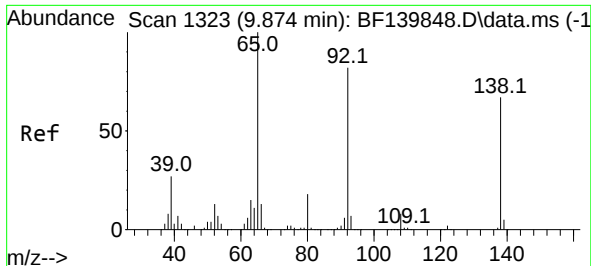
Tgt Ion:165 Resp: 177848
Ion Ratio Lower Upper
165 100
63 58.8 50.6 75.8
89 55.8 47.5 71.3



#52
Acenaphthene
Concen: 53.836 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:154 Resp: 668819
Ion Ratio Lower Upper
154 100
153 110.8 89.8 134.6
152 53.8 42.4 63.6

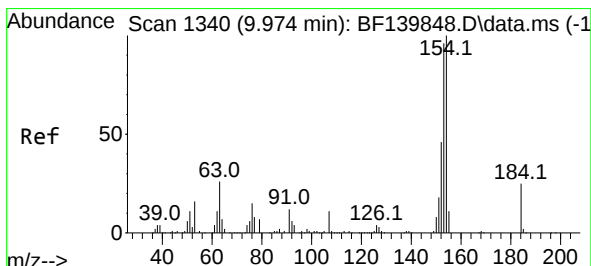
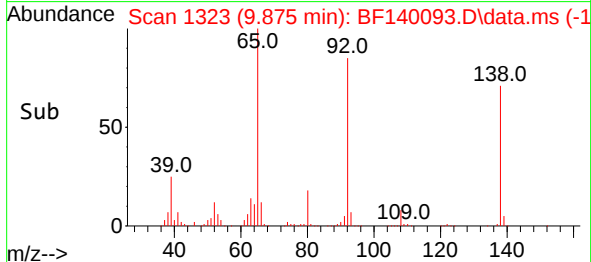
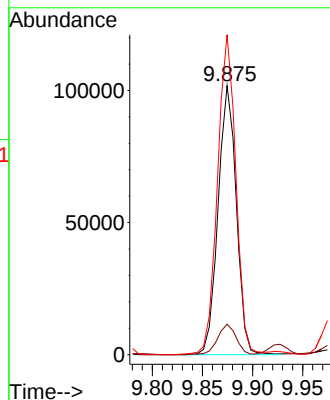
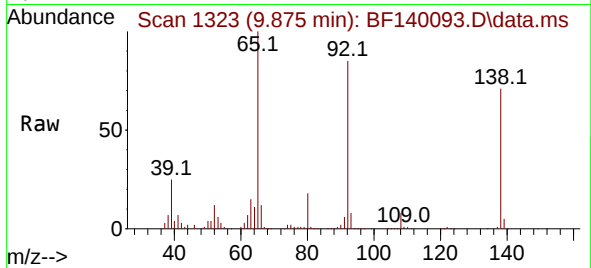




#53
3-Nitroaniline
Concen: 39.002 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

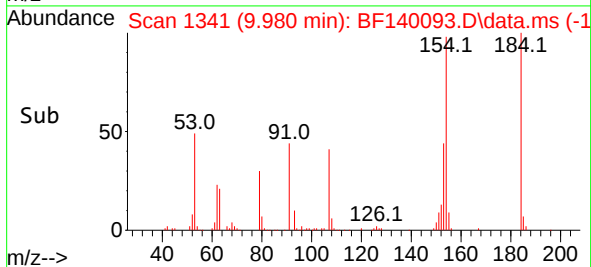
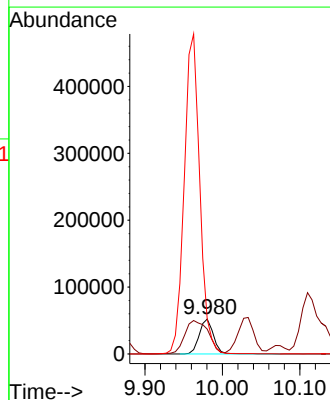
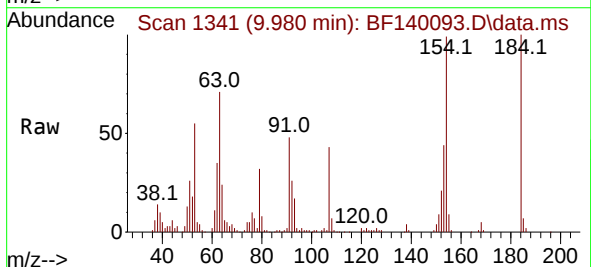
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

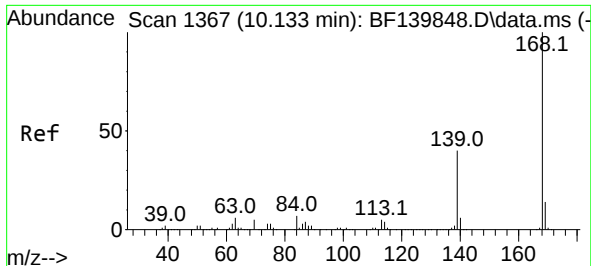
Tgt Ion:138 Resp: 128514
Ion Ratio Lower Upper
138 100
108 11.3 10.2 15.2
92 119.0 98.3 147.5



#54
2,4-Dinitrophenol
Concen: 52.460 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:184 Resp: 66396
Ion Ratio Lower Upper
184 100
63 70.8 84.7 127.1#
154 98.9 338.2 507.2#

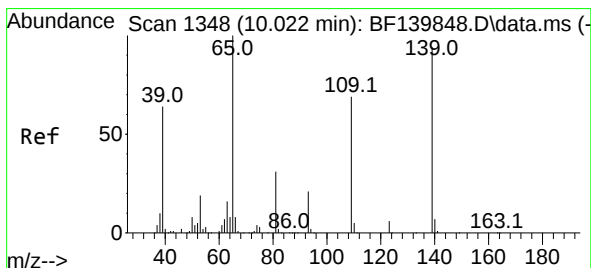
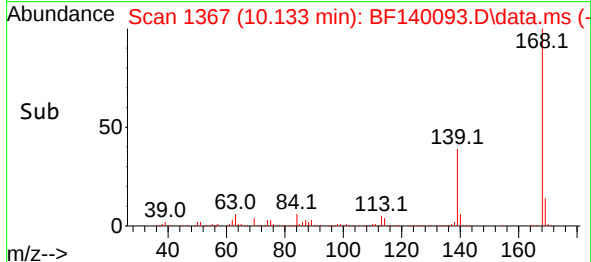
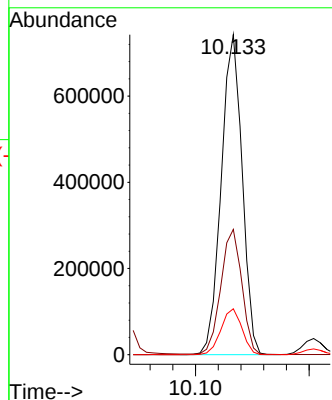
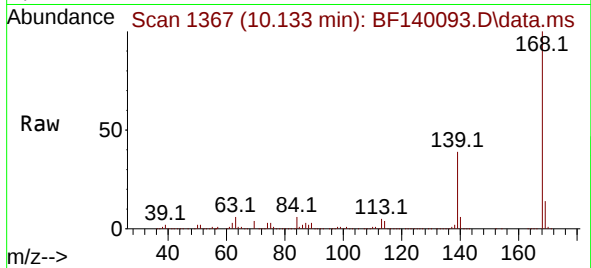




#55
Dibenzofuran
Concen: 53.332 ng
RT: 10.133 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

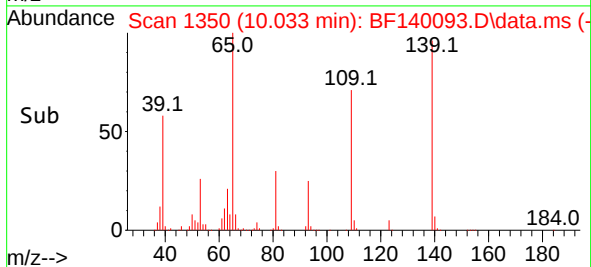
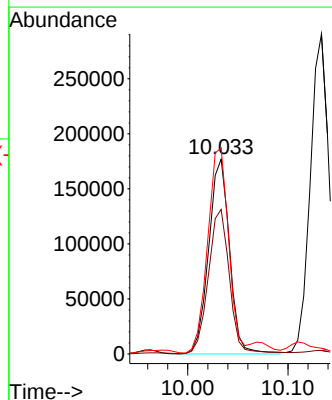
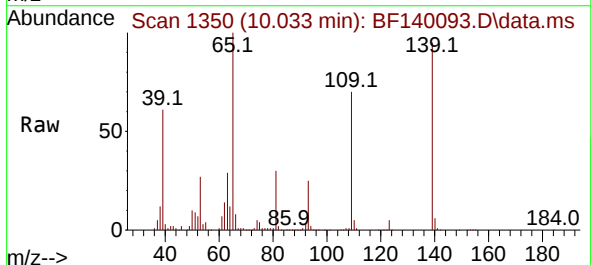
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

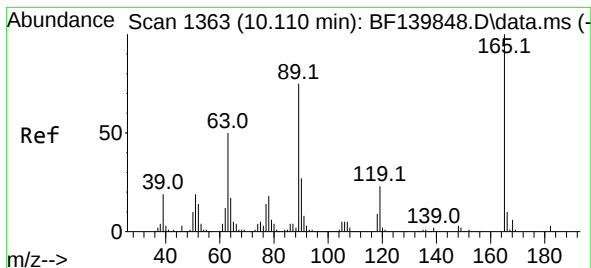
Tgt Ion:168 Resp: 950618
Ion Ratio Lower Upper
168 100
139 39.2 31.8 47.6
169 14.4 11.6 17.4



#56
4-Nitrophenol
Concen: 101.497 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:139 Resp: 257304
Ion Ratio Lower Upper
139 100
109 74.2 53.6 93.6
65 105.7 87.8 127.8

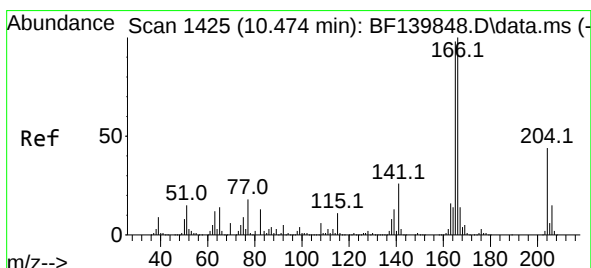
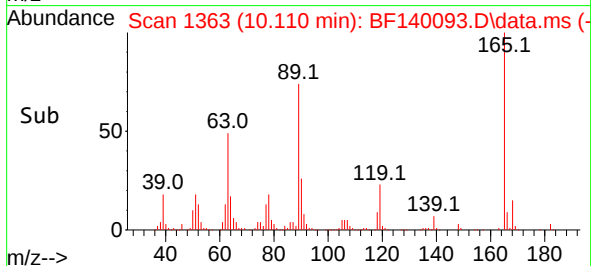
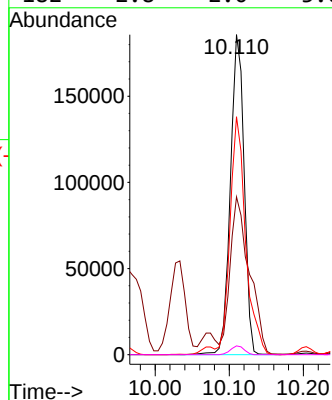
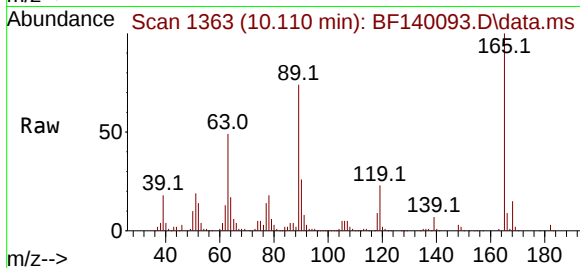




#57
2,4-Dinitrotoluene
Concen: 60.720 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

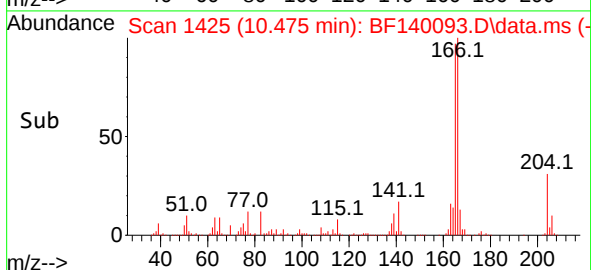
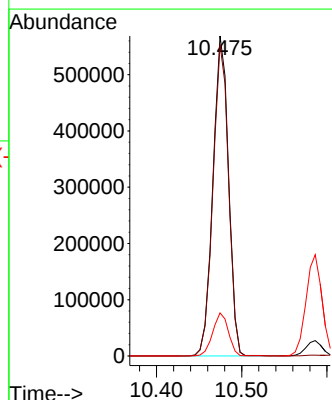
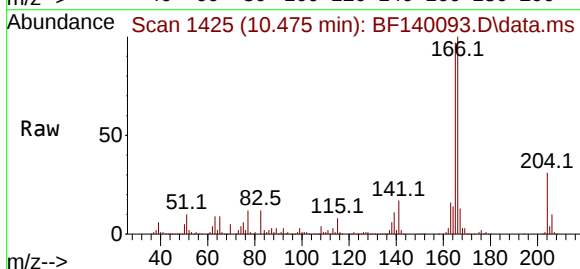
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

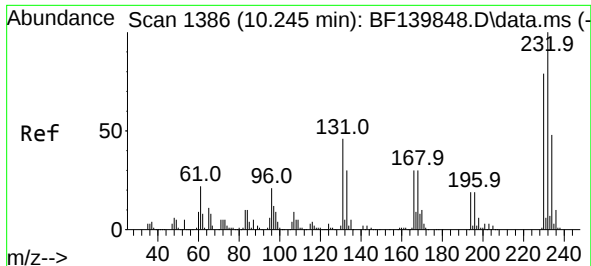
Tgt Ion:165 Resp: 238589
Ion Ratio Lower Upper
165 100
63 49.3 40.1 60.1
89 74.4 60.4 90.6
182 2.8 2.0 3.0



#58
Fluorene
Concen: 53.557 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:166 Resp: 727096
Ion Ratio Lower Upper
166 100
165 97.3 78.5 117.7
167 13.4 10.9 16.3

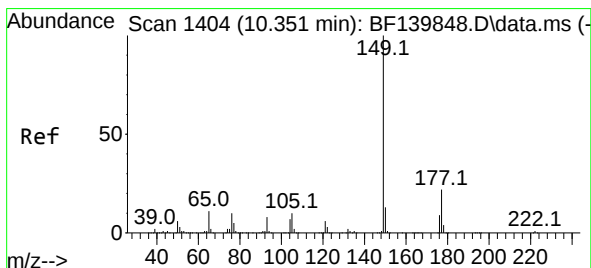
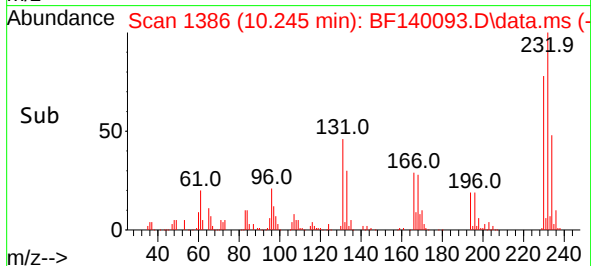
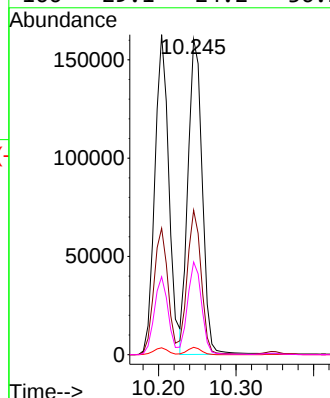
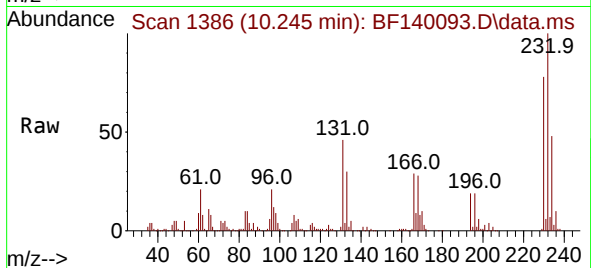




#59
2,3,4,6-Tetrachlorophenol
Concen: 55.766 ng
RT: 10.245 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

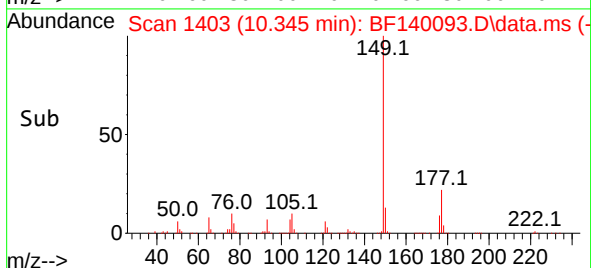
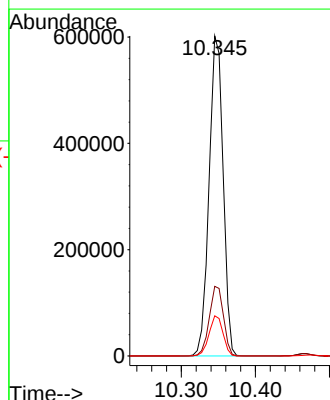
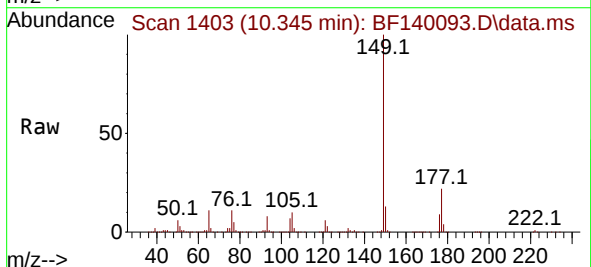
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

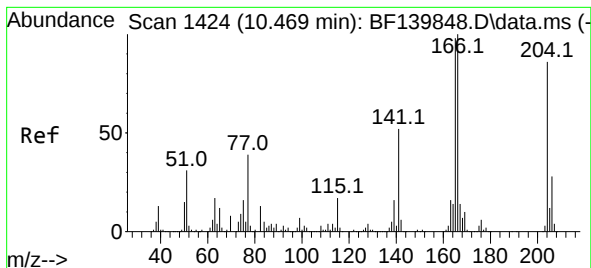
Tgt Ion:232 Resp: 204109
Ion Ratio Lower Upper
232 100
131 45.6 37.0 55.6
130 2.3 1.9 2.9
166 29.1 24.2 36.2



#60
Diethylphthalate
Concen: 54.672 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:149 Resp: 792166
Ion Ratio Lower Upper
149 100
177 21.8 17.9 26.9
150 12.6 10.1 15.1

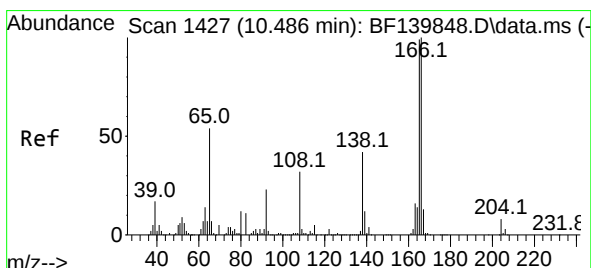
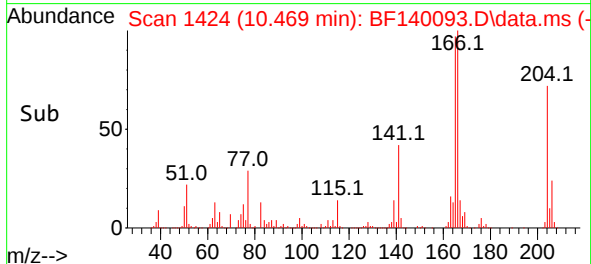
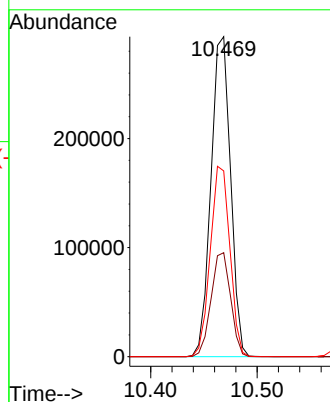
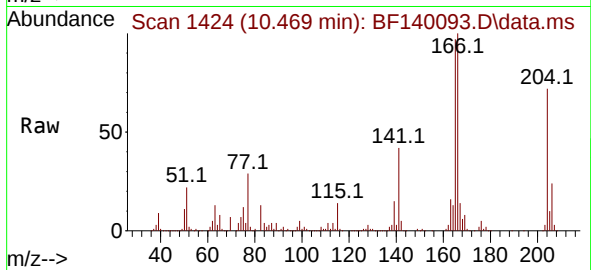




#61
4-Chlorophenyl-phenylether
Concen: 54.630 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

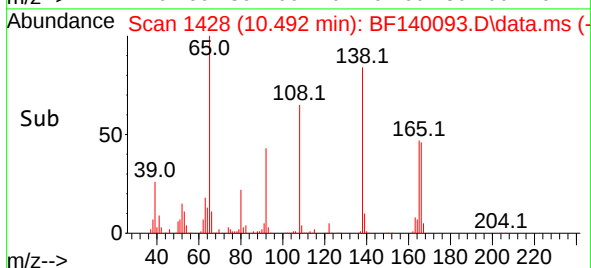
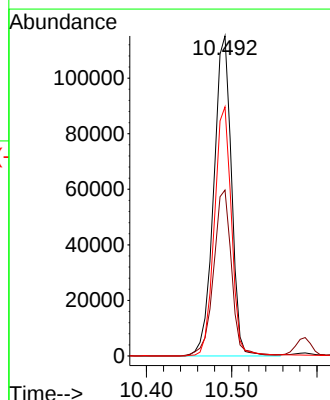
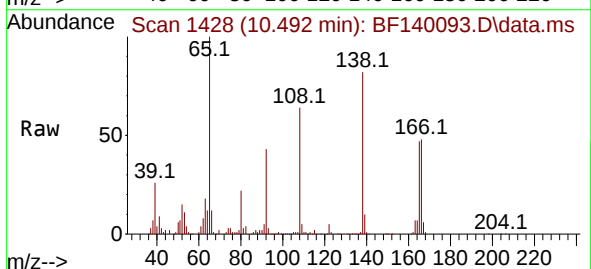
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

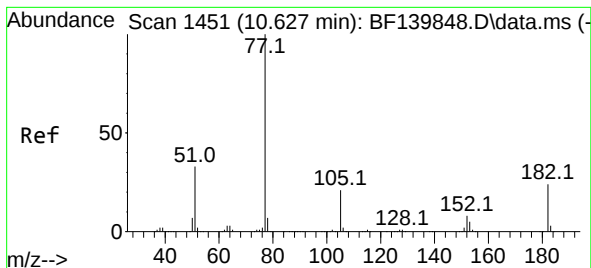
Tgt Ion:204 Resp: 374542
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 58.0 48.6 73.0



#62
4-Nitroaniline
Concen: 53.537 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:138 Resp: 166610
Ion Ratio Lower Upper
138 100
92 51.9 35.7 75.7
108 77.9 57.5 97.5





#63

Azobenzene

Concen: 52.271 ng

RT: 10.627 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

Tgt Ion: 77 Resp: 802948

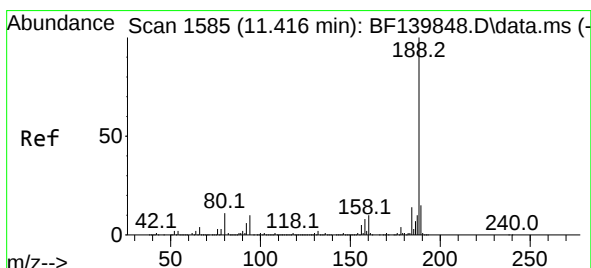
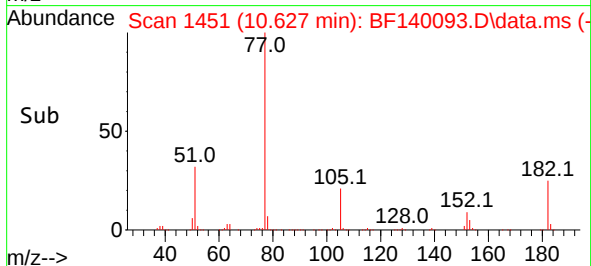
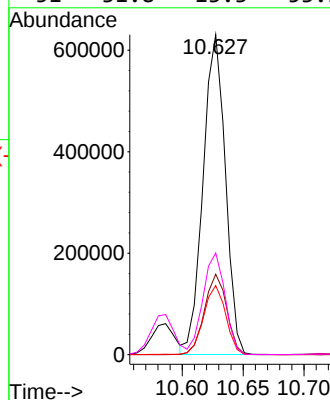
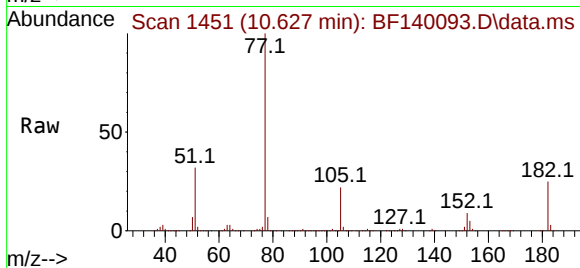
Ion Ratio Lower Upper

77 100

182 25.1 3.3 43.3

105 21.6 1.2 41.2

51 31.8 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

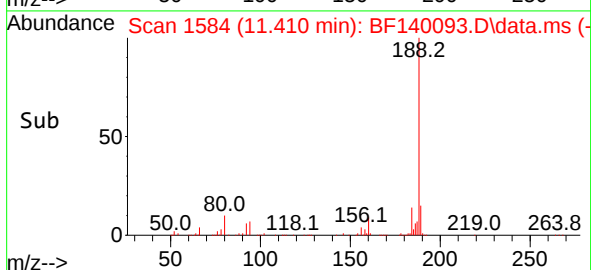
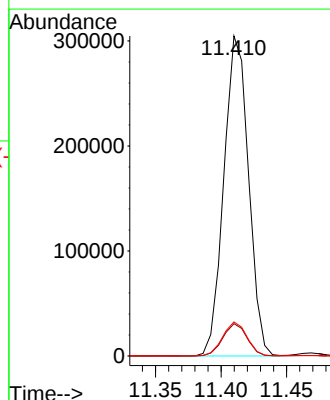
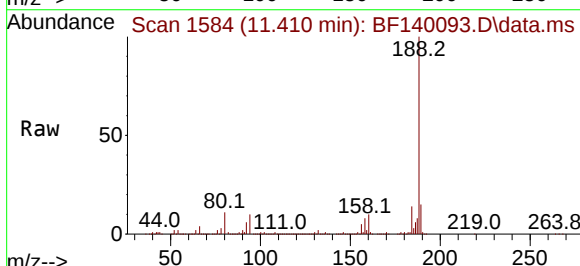
Tgt Ion:188 Resp: 398949

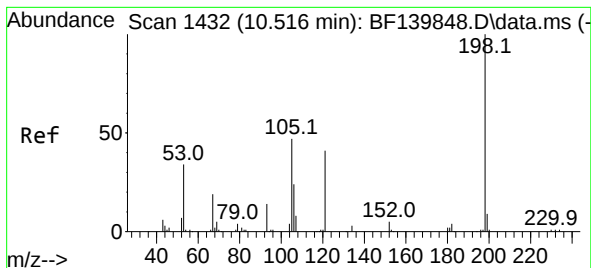
Ion Ratio Lower Upper

188 100

94 10.1 7.9 11.9

80 10.6 9.0 13.4

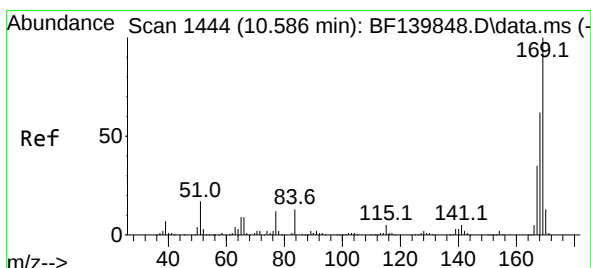
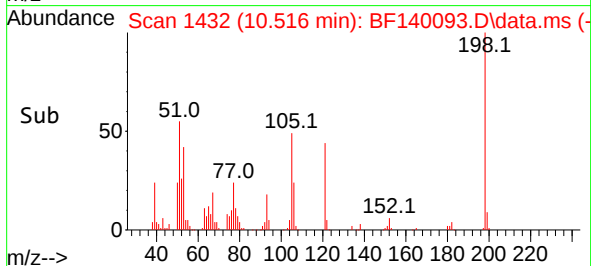
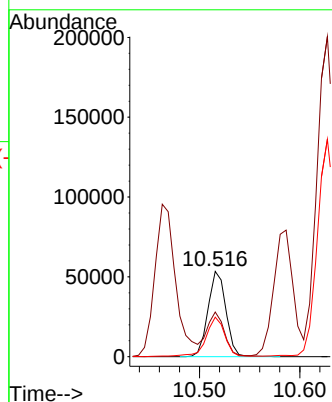
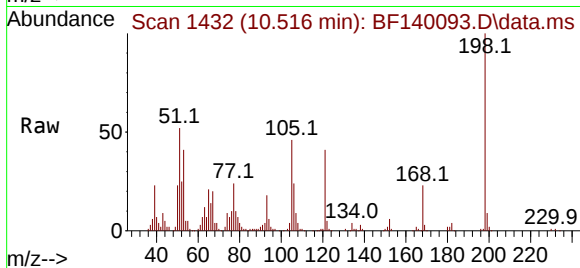




#65
4,6-Dinitro-2-methylphenol
Concen: 40.805 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

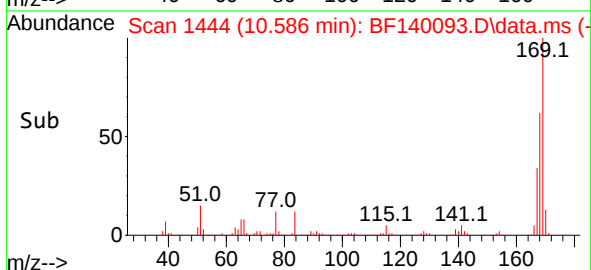
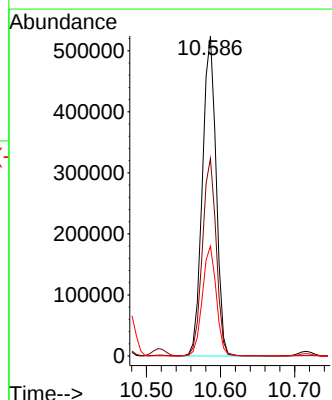
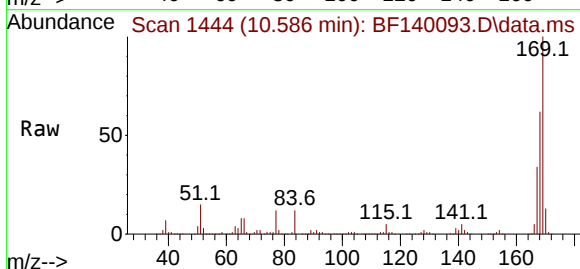
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

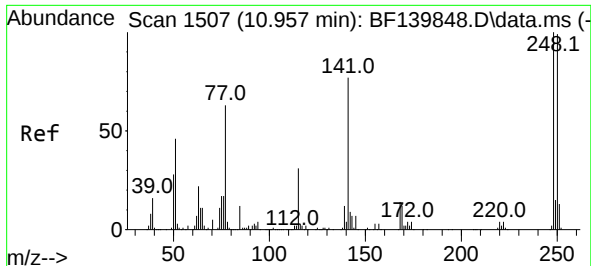
Tgt Ion:198 Resp: 66402
Ion Ratio Lower Upper
198 100
51 52.3 38.2 78.2
105 46.4 27.9 67.9



#66
n-Nitrosodiphenylamine
Concen: 56.408 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:169 Resp: 673533
Ion Ratio Lower Upper
169 100
168 61.7 49.8 74.6
167 34.4 28.0 42.0

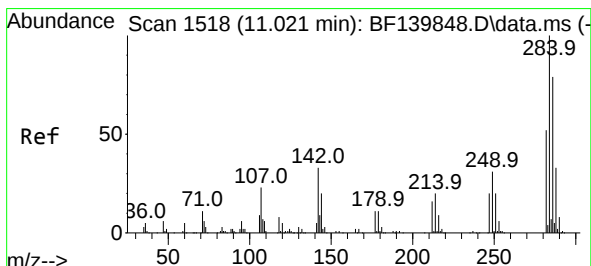
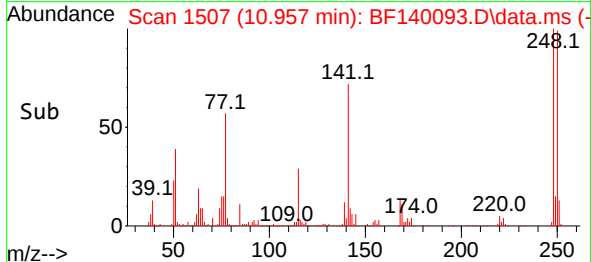
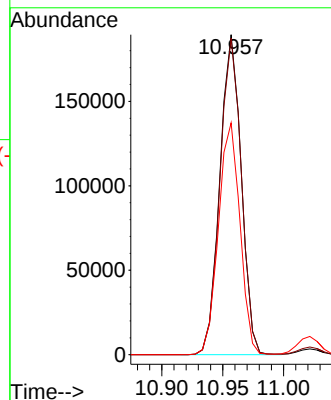
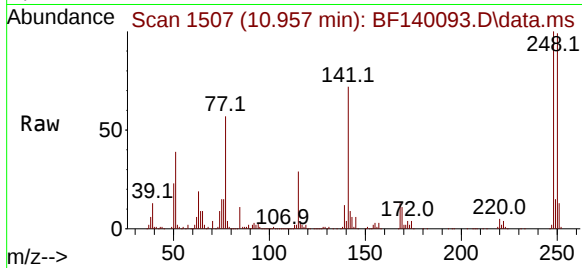




#67
4-Bromophenyl-phenylether
Concen: 56.299 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

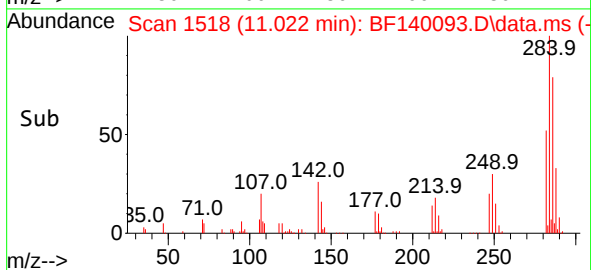
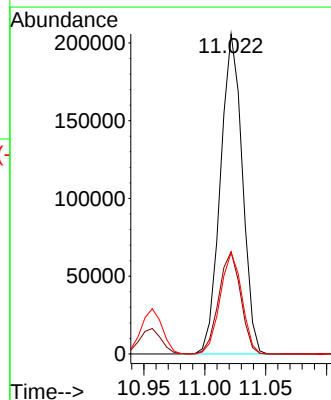
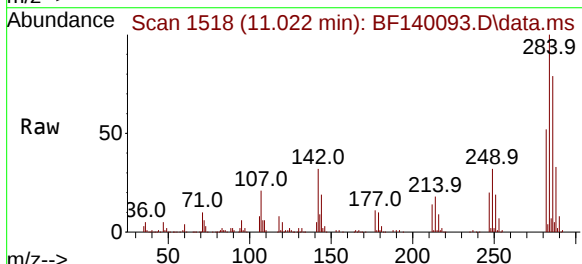
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

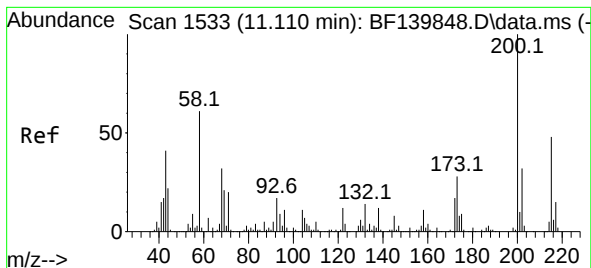
Tgt Ion:248 Resp: 231386
Ion Ratio Lower Upper
248 100
250 98.9 79.0 118.6
141 72.4 61.7 92.5



#68
Hexachlorobenzene
Concen: 55.638 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:284 Resp: 257174
Ion Ratio Lower Upper
284 100
142 32.0 26.9 40.3
249 31.6 25.3 37.9





#69

Atrazine

Concen: 65.372 ng

RT: 11.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

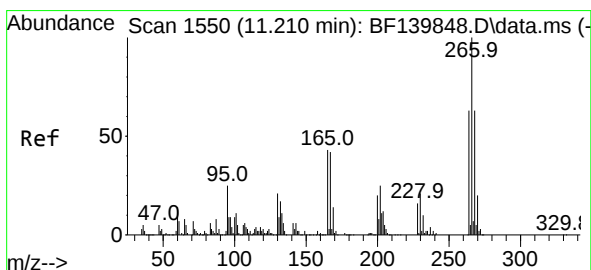
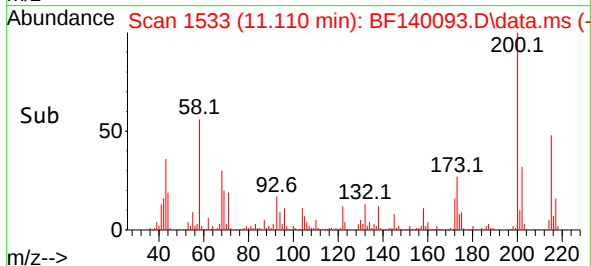
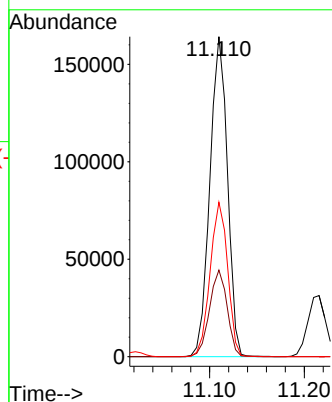
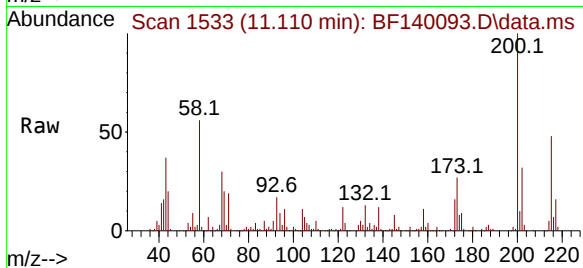
Tgt Ion:200 Resp: 211444

Ion Ratio Lower Upper

200 100

173 27.1 7.7 47.7

215 48.3 27.7 67.7



#70

Pentachlorophenol

Concen: 84.525 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

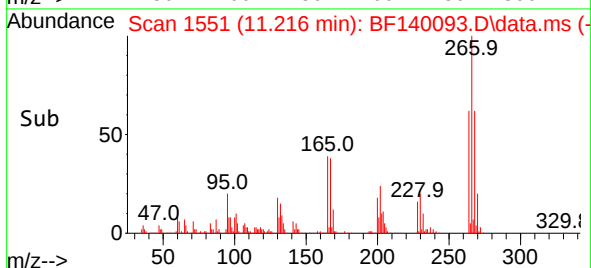
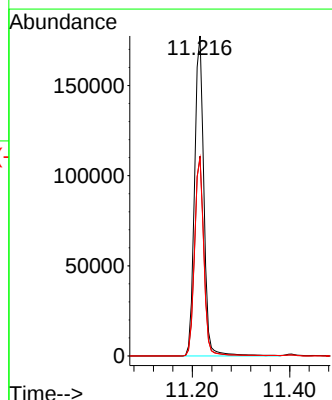
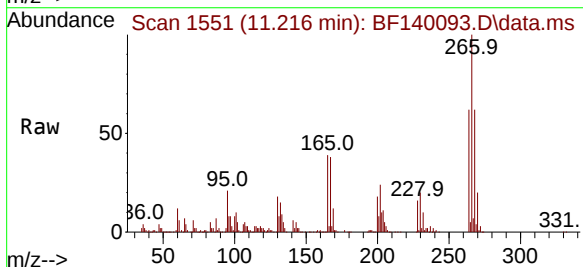
Tgt Ion:266 Resp: 237118

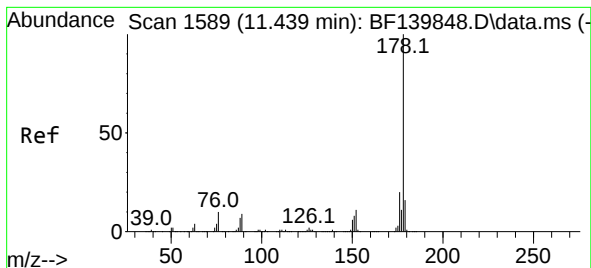
Ion Ratio Lower Upper

266 100

268 62.5 50.4 75.6

264 61.7 50.6 75.8





#71

Phenanthrene

Concen: 54.516 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

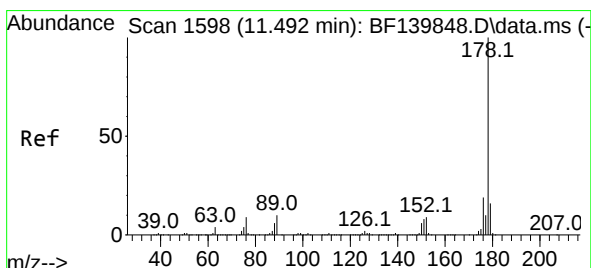
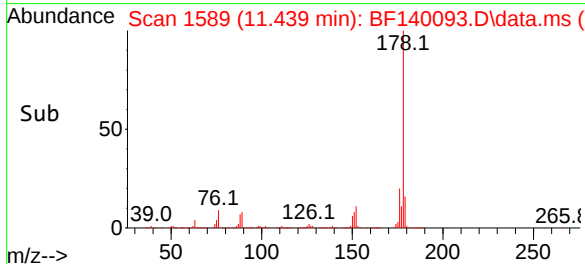
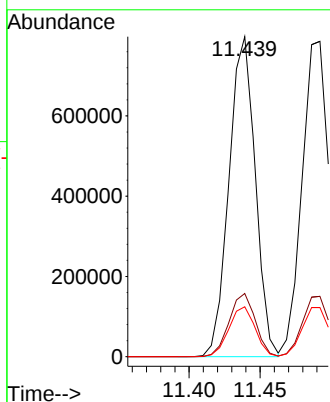
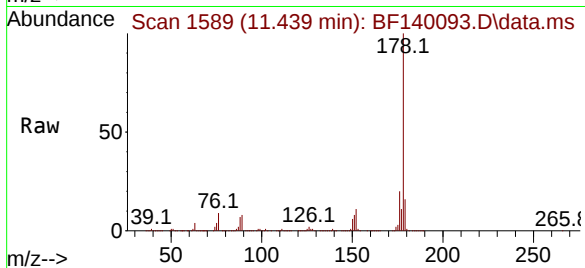
Tgt Ion:178 Resp: 1027335

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.6

179 15.6 12.6 18.8



#72

Anthracene

Concen: 56.666 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

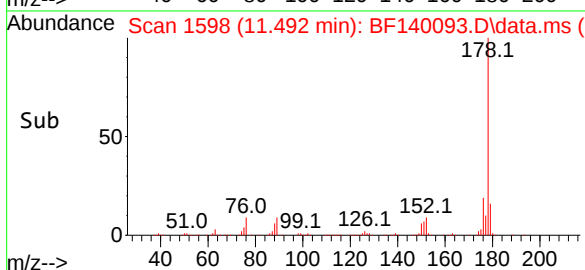
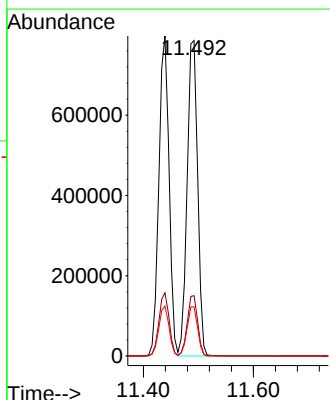
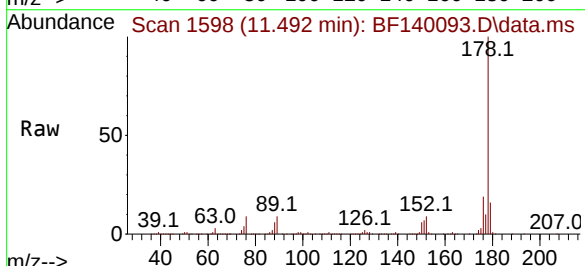
Tgt Ion:178 Resp: 1041878

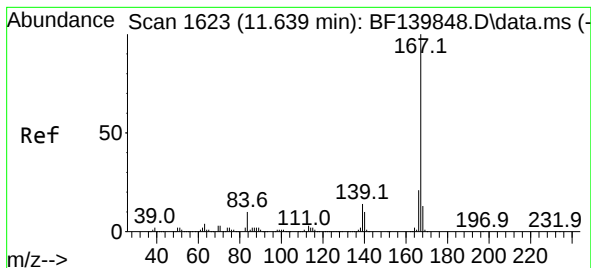
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.6 12.4 18.6





#73

Carbazole

Concen: 51.316 ng

RT: 11.639 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

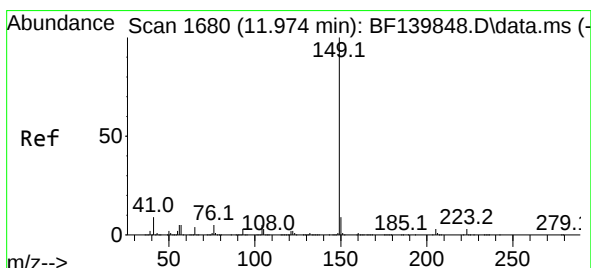
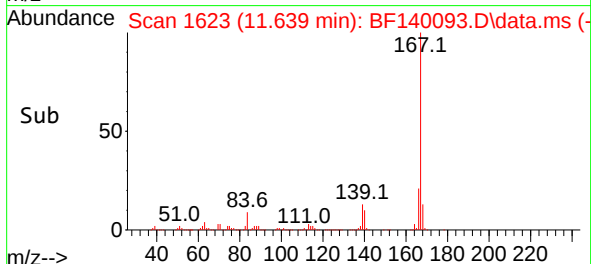
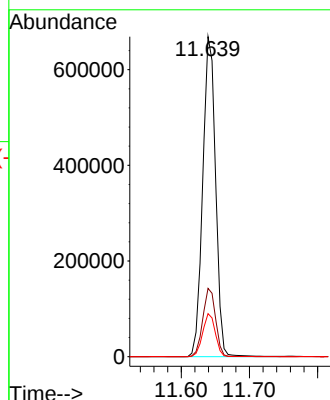
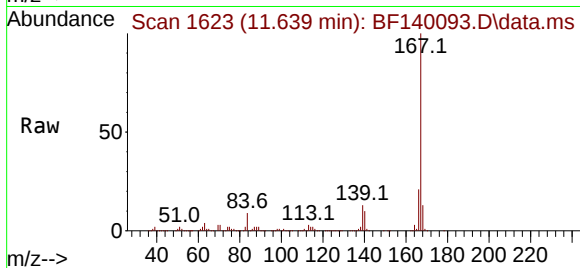
Tgt Ion:167 Resp: 877488

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.6

139 13.5 10.8 16.2



#74

Di-n-butylphthalate

Concen: 56.209 ng

RT: 11.969 min Scan# 1679

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

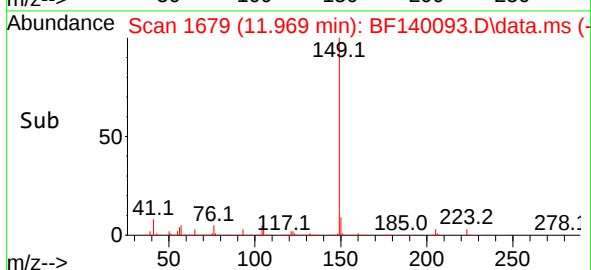
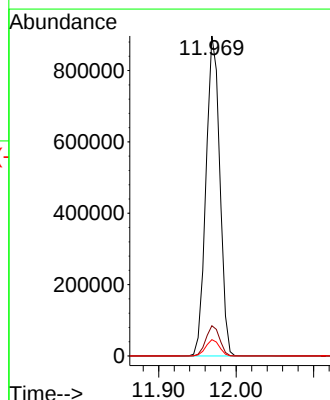
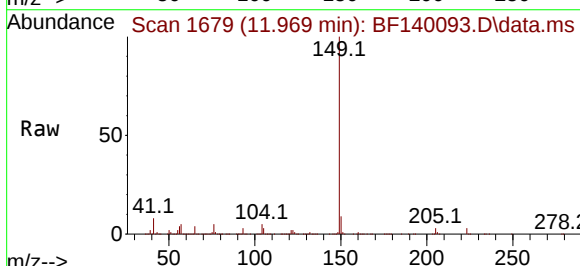
Tgt Ion:149 Resp: 1110467

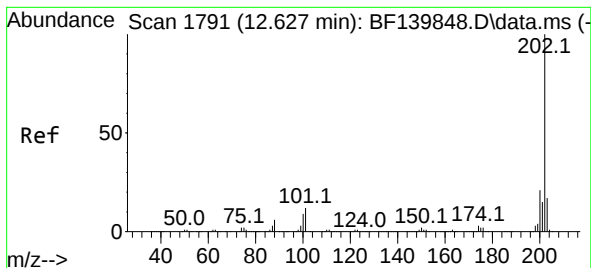
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 5.1 4.1 6.1





#75

Fluoranthene

Concen: 48.318 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

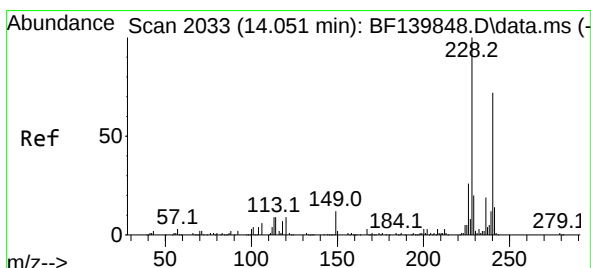
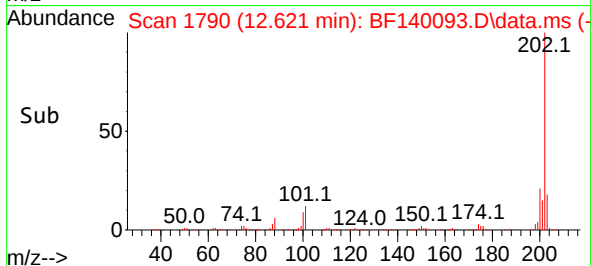
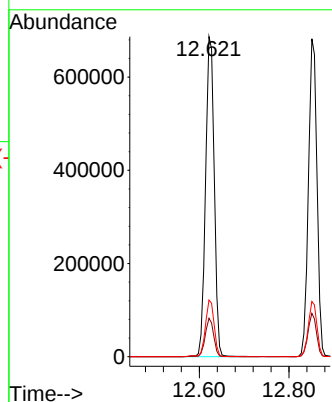
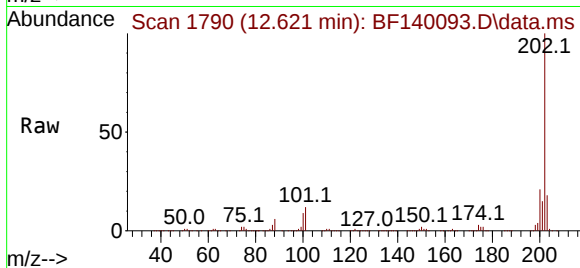
Tgt Ion:202 Resp: 920478

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.9

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

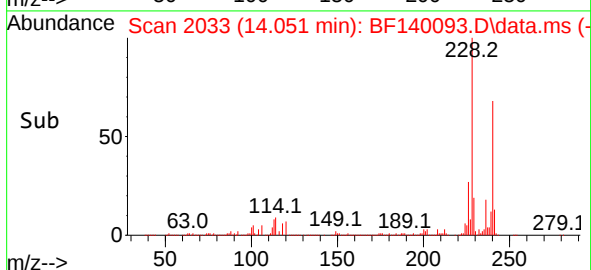
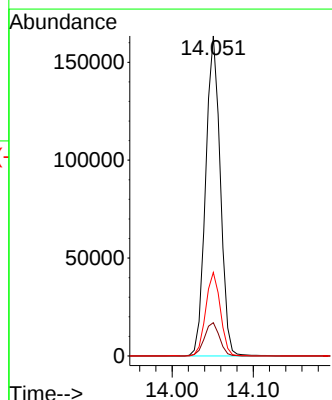
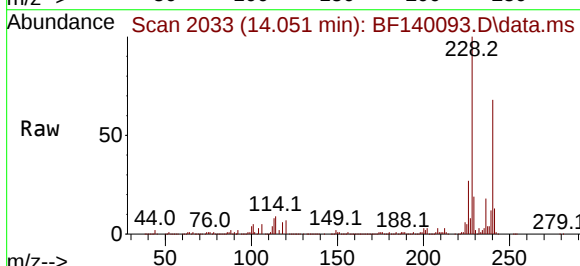
Tgt Ion:240 Resp: 204155

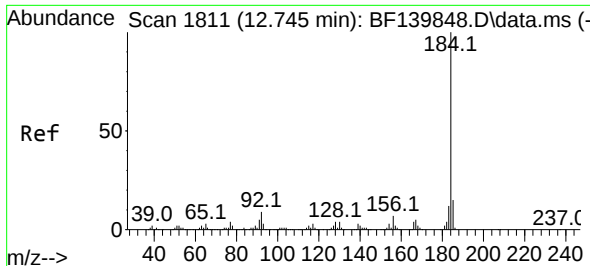
Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

236 26.1 20.9 31.3

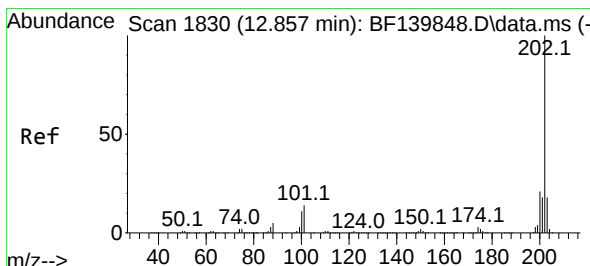
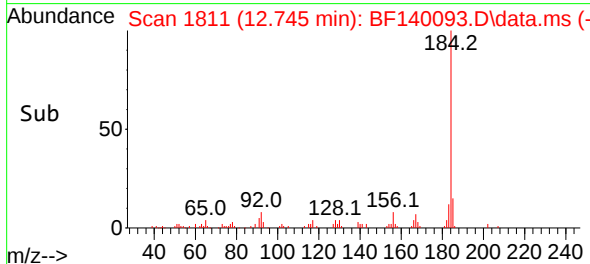
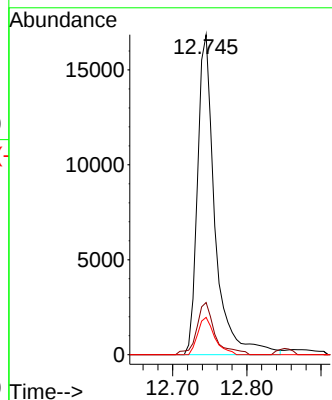
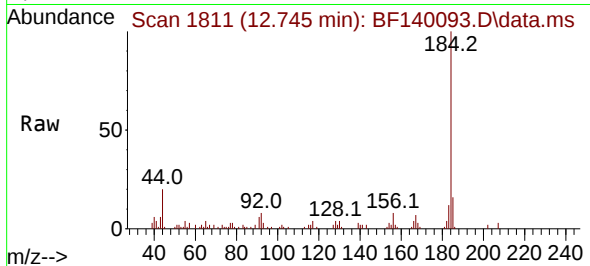




#77
Benzidine
Concen: 8.201 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

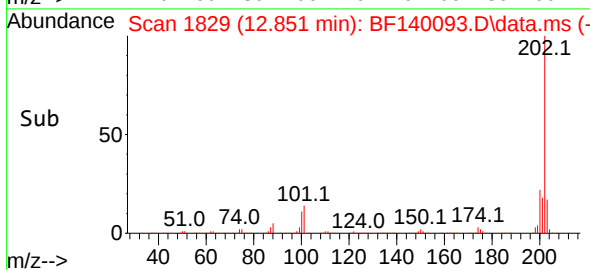
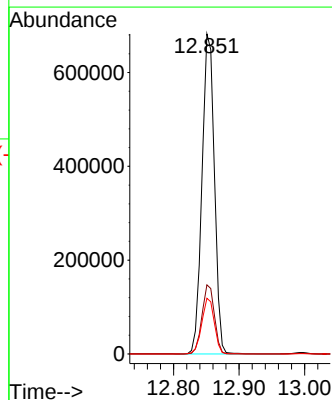
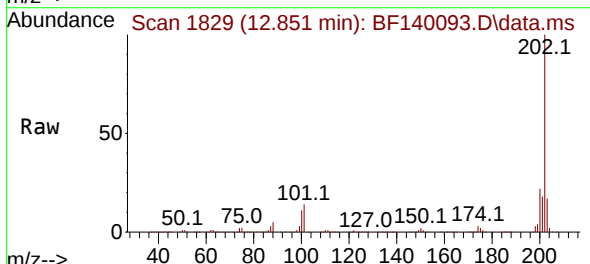
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

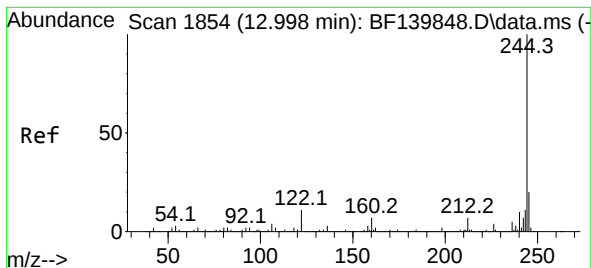
Tgt Ion:184 Resp: 27530
Ion Ratio Lower Upper
184 100
185 16.3 12.0 18.0
183 11.6 9.4 14.2



#78
Pyrene
Concen: 50.481 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:202 Resp: 902116
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 105.257 ng

RT: 12.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

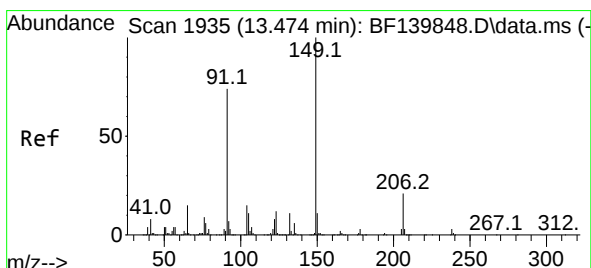
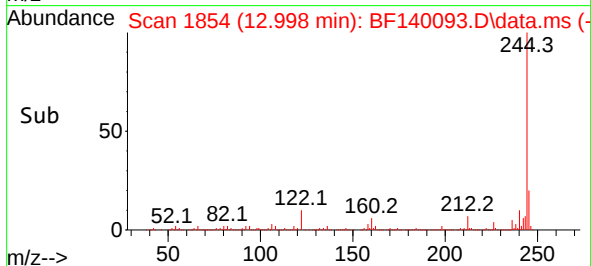
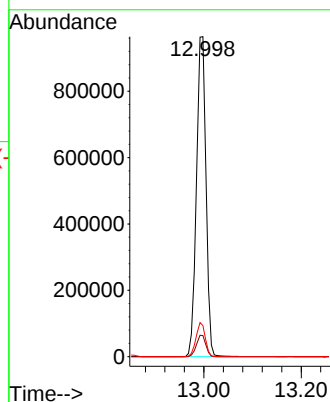
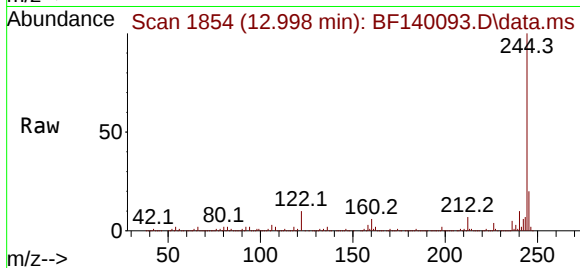
Tgt Ion:244 Resp: 1318745

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 9.7 8.6 13.0



#80

Butylbenzylphthalate

Concen: 64.319 ng

RT: 13.468 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

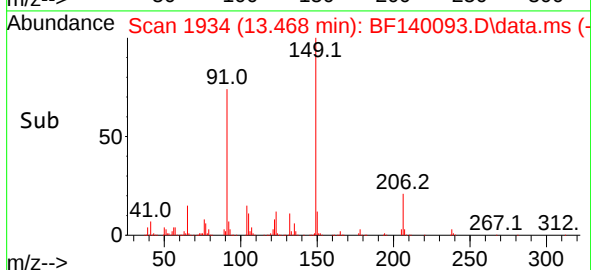
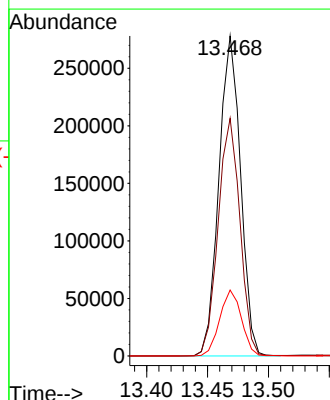
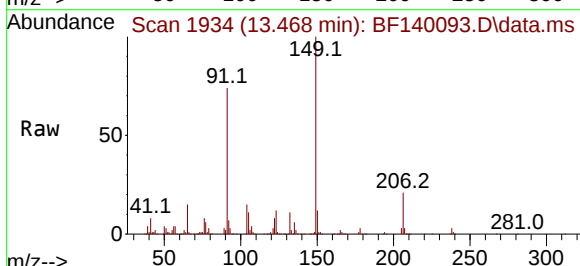
Tgt Ion:149 Resp: 344594

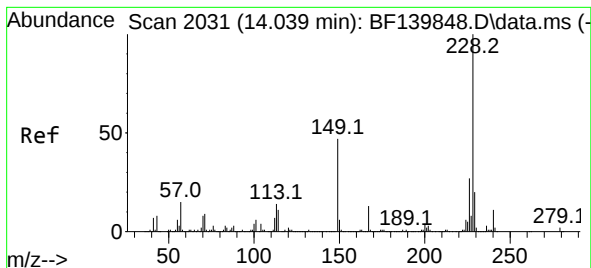
Ion Ratio Lower Upper

149 100

91 74.3 59.4 89.2

206 20.6 16.4 24.6





#81

Benzo(a)anthracene

Concen: 56.143 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

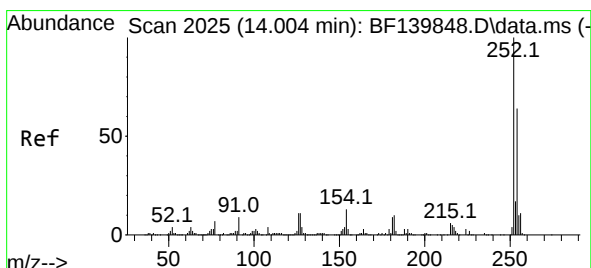
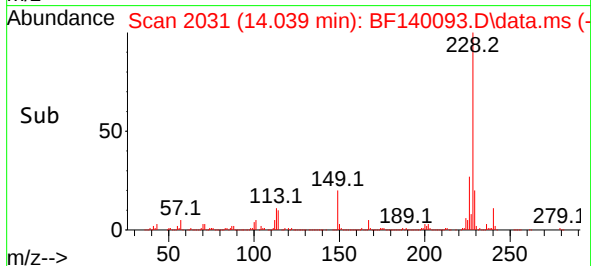
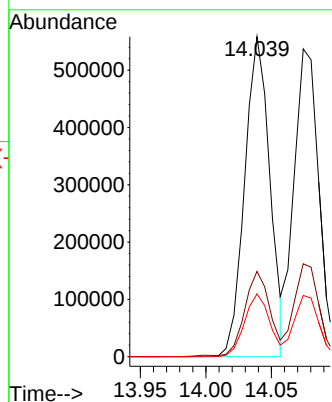
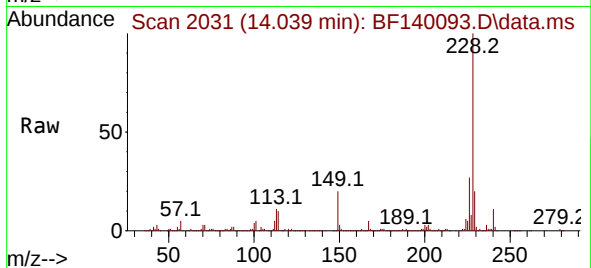
Tgt Ion:228 Resp: 746125

Ion Ratio Lower Upper

228 100

226 26.7 21.6 32.4

229 19.6 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 48.544 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

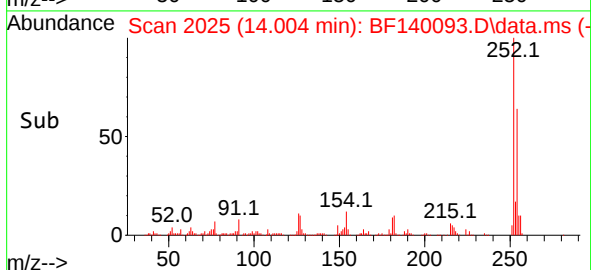
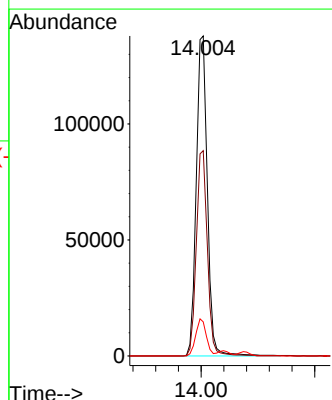
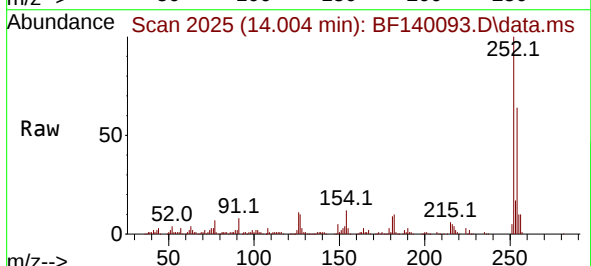
Tgt Ion:252 Resp: 188100

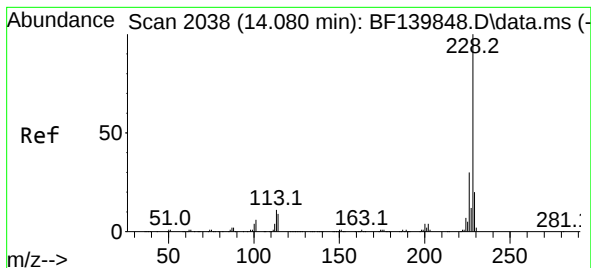
Ion Ratio Lower Upper

252 100

254 64.2 50.8 76.2

126 10.6 8.9 13.3





#83

Chrysene

Concen: 58.050 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

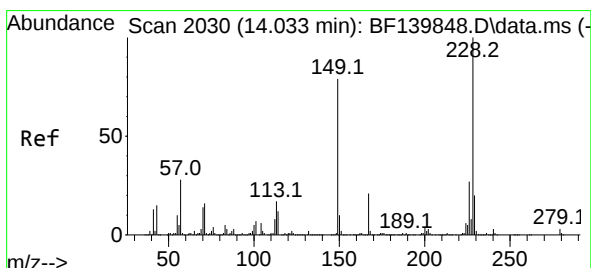
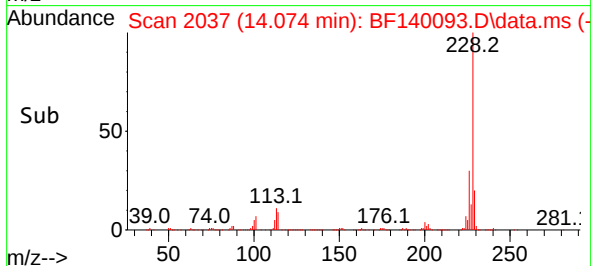
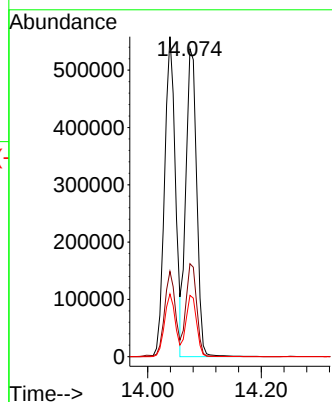
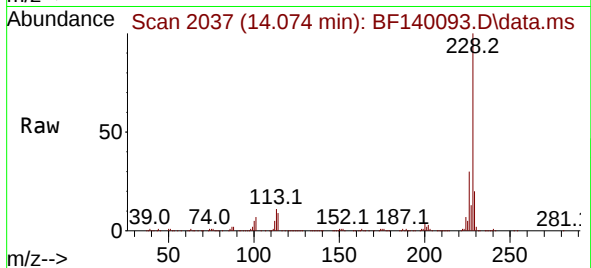
Tgt Ion:228 Resp: 707350

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 19.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 76.306 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

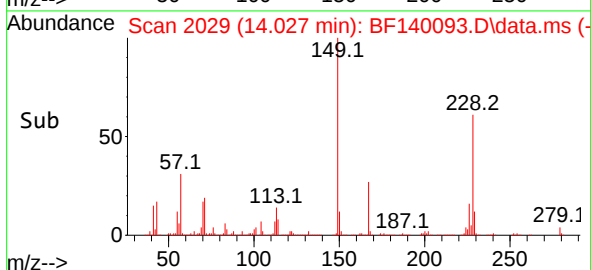
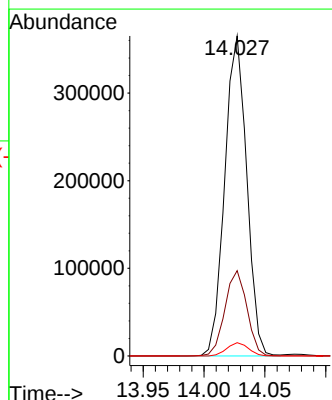
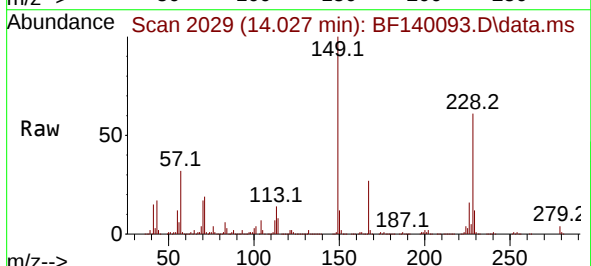
Tgt Ion:149 Resp: 458667

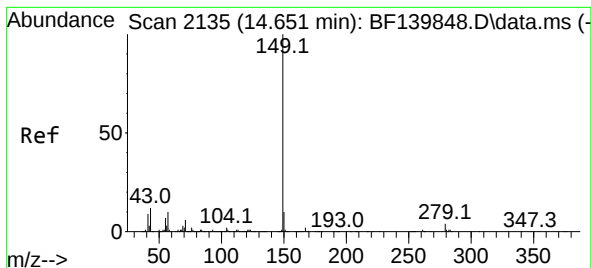
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.1 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 73.095 ng

RT: 14.639 min Scan# 2133

Delta R.T. -0.012 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

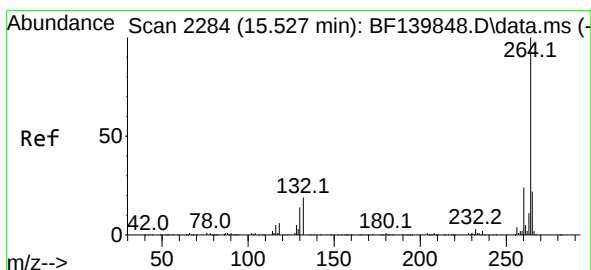
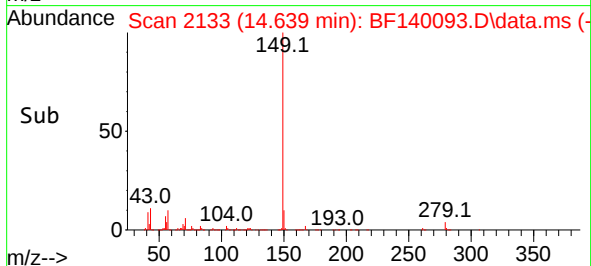
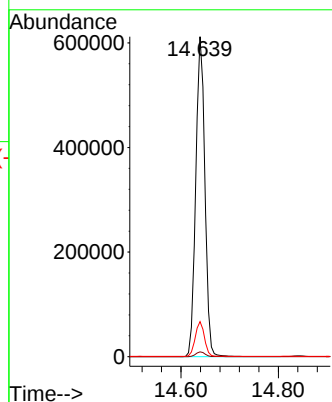
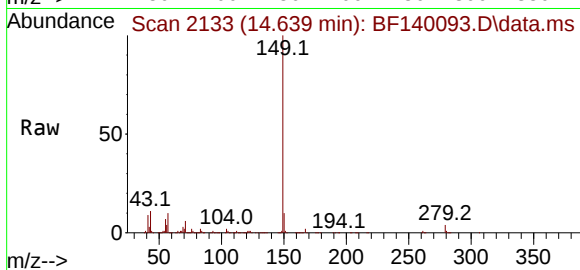
Tgt Ion:149 Resp: 799157

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.9 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

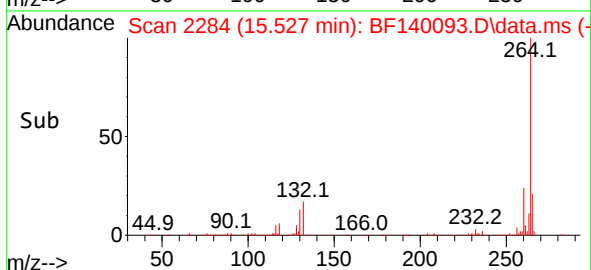
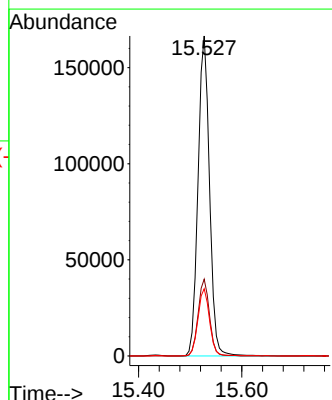
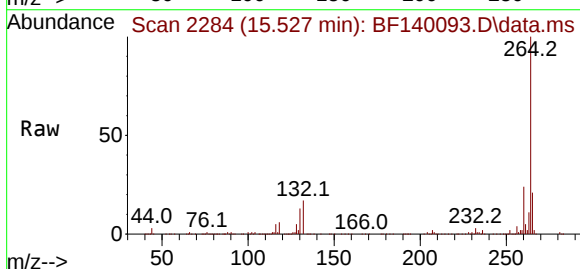
Tgt Ion:264 Resp: 256308

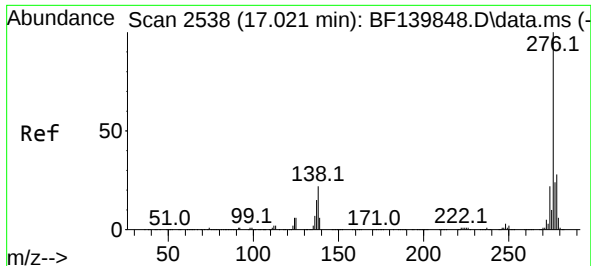
Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 21.0 17.4 26.0

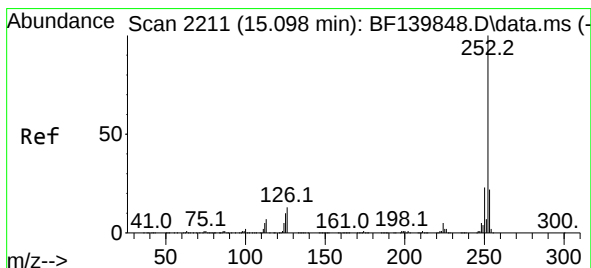
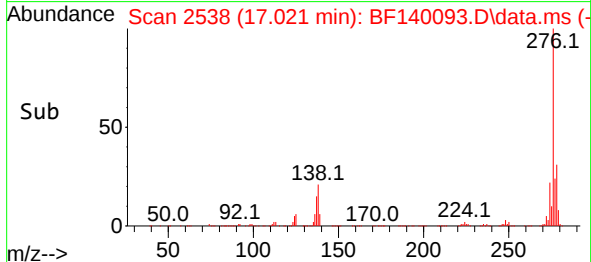
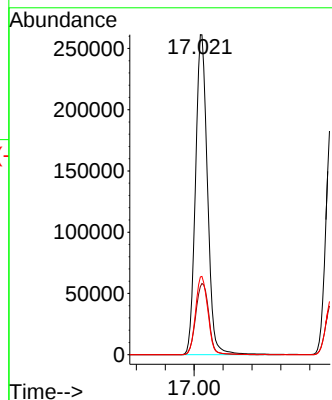
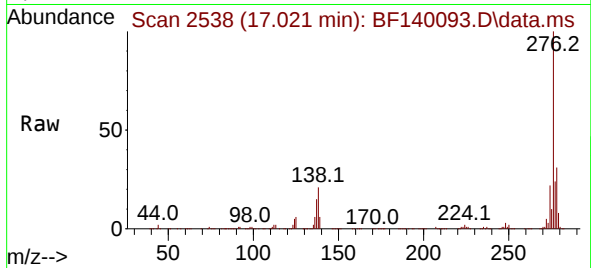




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.387 ng
RT: 17.021 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

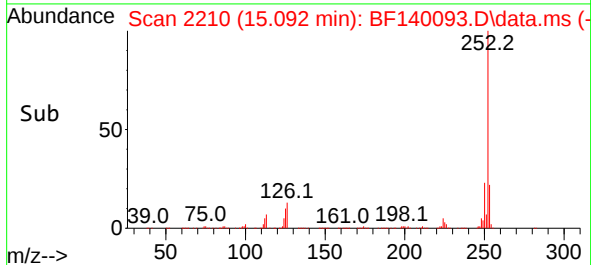
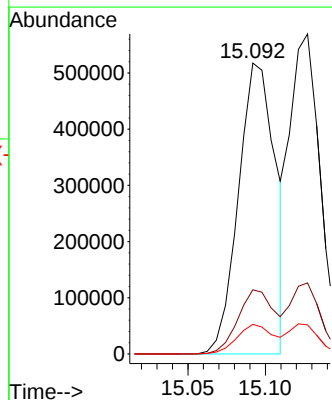
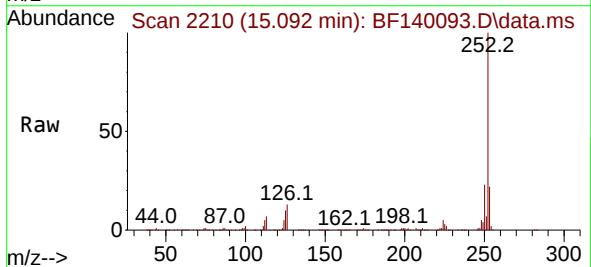
Instrument :
BNA_F
ClientSampleId :
VNJ-215MSD

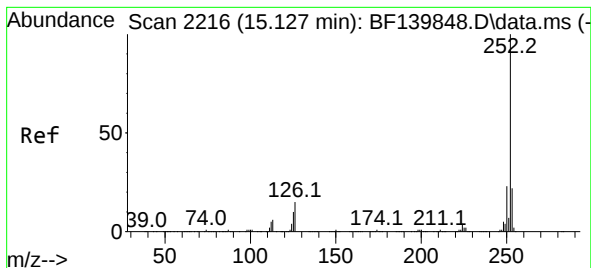
Tgt Ion:276 Resp: 748376
Ion Ratio Lower Upper
276 100
138 24.2 20.4 30.6
277 25.2 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 54.869 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF140093.D
Acq: 28 Oct 2024 18:03

Tgt Ion:252 Resp: 856677
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 10.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 57.778 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

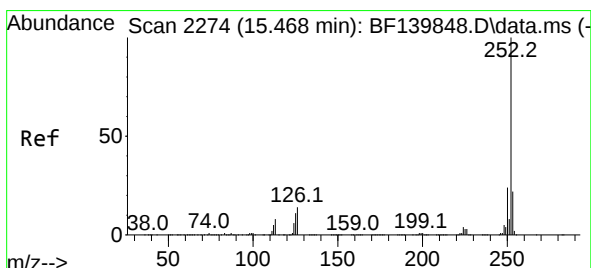
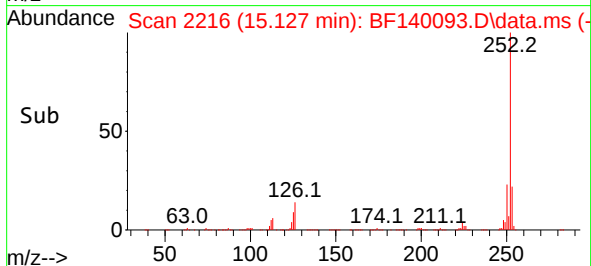
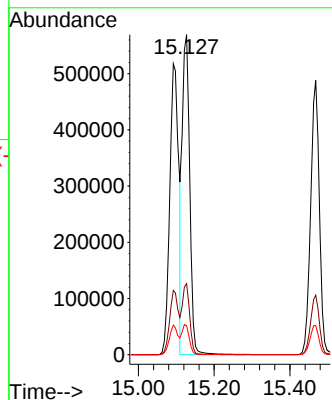
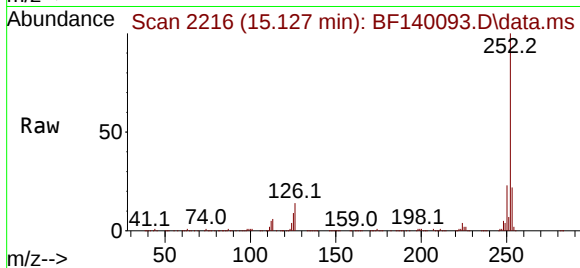
Tgt Ion:252 Resp: 777981

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 9.1 7.9 11.9



#90

Benzo(a)pyrene

Concen: 61.319 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

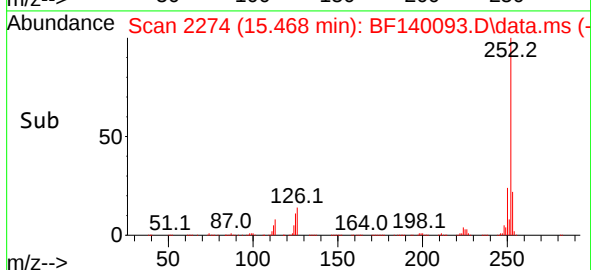
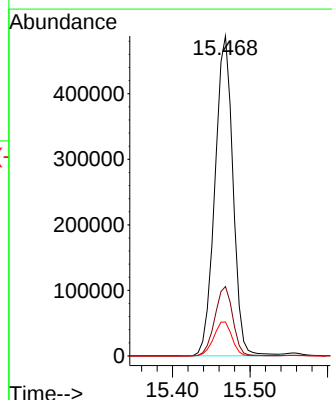
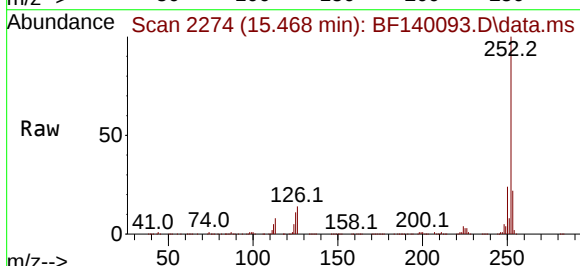
Tgt Ion:252 Resp: 787766

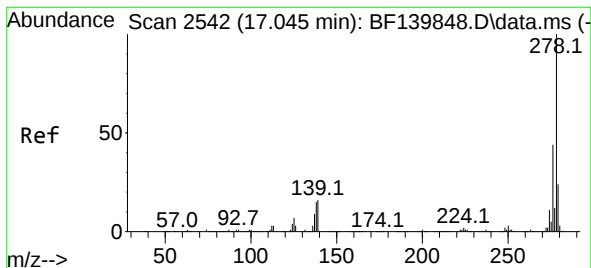
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 10.6 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 45.536 ng

RT: 17.045 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Instrument :

BNA_F

ClientSampleId :

VNJ-215MSD

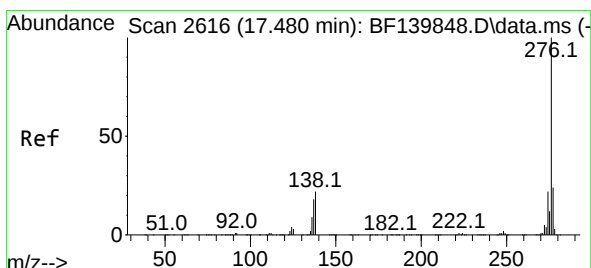
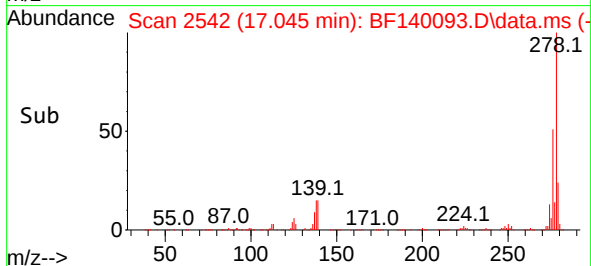
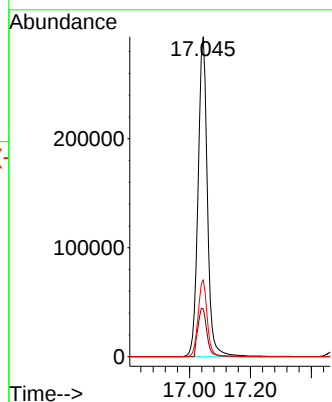
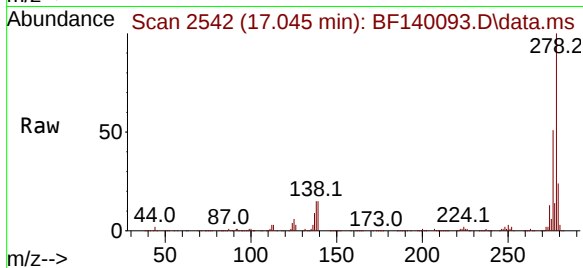
Tgt Ion:278 Resp: 626364

Ion Ratio Lower Upper

278 100

139 14.9 13.1 19.7

279 24.0 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 36.850 ng

RT: 17.474 min Scan# 2615

Delta R.T. -0.006 min

Lab File: BF140093.D

Acq: 28 Oct 2024 18:03

Tgt Ion:276 Resp: 506321

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 21.2 17.4 26.0

