

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142357.D
 Acq On : 13 May 2025 21:30
 Operator : RC/JU
 Sample : Q2004-02MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220MSD

Quant Time: May 14 00:58:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	234943	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	895836	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	475224	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	717979	20.000	ng	0.00
76) Chrysene-d12	14.068	240	415381	20.000	ng	0.00
86) Perylene-d12	15.557	264	472241	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1457984	105.936	ng	0.02
7) Phenol-d6	6.528	99	1718633	101.530	ng	0.00
23) Nitrobenzene-d5	7.469	82	1164765	79.295	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	598163	130.370	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2379006	71.380	ng	0.00
79) Terphenyl-d14	13.016	244	1920539	68.434	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.887	88	180343	29.098	ng	# 82
3) Pyridine	3.587	79	403277	27.715	ng	97
4) n-Nitrosodimethylamine	3.528	42	285272	33.732	ng	96
6) Aniline	6.575	93	318788	19.200	ng	99
8) 2-Chlorophenol	6.692	128	592042	40.255	ng	97
9) Benzaldehyde	6.457	77	195451	19.728	ng	100
10) Phenol	6.545	94	642733	35.821	ng	98
11) bis(2-Chloroethyl)ether	6.640	93	603541	34.109	ng	100
12) 1,3-Dichlorobenzene	6.845	146	556529	33.076	ng	99
13) 1,4-Dichlorobenzene	6.922	146	568127	33.629	ng	100
14) 1,2-Dichlorobenzene	7.075	146	554741	34.210	ng	99
15) Benzyl Alcohol	7.045	79	478413	43.647	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	949622	35.939	ng	99
17) 2-Methylphenol	7.151	107	474643	39.863	ng	99
18) Hexachloroethane	7.416	117	195779	34.830	ng	98
19) n-Nitroso-di-n-propyla...	7.316	70	409620	39.121	ng	98
20) 3+4-Methylphenols	7.304	107	581321	39.119	ng	96
22) Acetophenone	7.316	105	775647	38.941	ng	99
24) Nitrobenzene	7.487	77	585857	42.312	ng	97
25) Isophorone	7.722	82	1140590	41.005	ng	99
26) 2-Nitrophenol	7.798	139	305639	45.984	ng	98
27) 2,4-Dimethylphenol	7.834	122	605579	43.302	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	718945	40.196	ng	100
29) 2,4-Dichlorophenol	8.039	162	518716	43.627	ng	100
30) 1,2,4-Trichlorobenzene	8.128	180	521639	38.984	ng	99
31) Naphthalene	8.210	128	1681002	38.717	ng	100
32) Benzoic acid	7.939	122	290529	40.776	ng	99
34) Hexachlorobutadiene	8.328	225	306013	38.622	ng	100
35) Caprolactam	8.622	113	81628	23.557	ng	95
36) 4-Chloro-3-methylphenol	8.733	107	532571	43.090	ng	100
37) 2-Methylnaphthalene	8.898	142	1085644	40.241	ng	99
38) 1-Methylnaphthalene	8.998	142	1120234	39.839	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	534457	40.268	ng	99
41) Hexachlorocyclopentadiene	9.051	237	628200	76.584	ng	98
43) 2,4,6-Trichlorophenol	9.175	196	380867	45.494	ng	98
44) 2,4,5-Trichlorophenol	9.216	196	406700	45.657	ng	98

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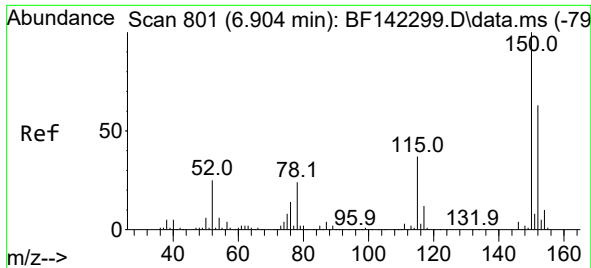
Quant Time: May 14 00:58:31 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.363	154	1502945	41.247	ng	99
47) 2-Chloronaphthalene	9.386	162	1109375	40.940	ng	99
48) 2-Nitroaniline	9.480	65	340347	49.001	ng	96
49) Acenaphthylene	9.804	152	1859652	41.024	ng	100
50) Dimethylphthalate	9.663	163	1401844	45.939	ng	100
51) 2,6-Dinitrotoluene	9.728	165	291988	51.119	ng	90
52) Acenaphthene	9.980	154	1207434	44.299	ng	99
53) 3-Nitroaniline	9.892	138	120001	17.913	ng	98
54) 2,4-Dinitrophenol	9.998	184	272124	90.004	ng	# 1
55) Dibenzofuran	10.151	168	1630397	40.531	ng	99
56) 4-Nitrophenol	10.045	139	400993	79.533	ng	98
57) 2,4-Dinitrotoluene	10.128	165	384914	52.535	ng	97
58) Fluorene	10.492	166	1219550	39.727	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	335317	45.600	ng	98
60) Diethylphthalate	10.363	149	1359713	44.618	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	624401	42.159	ng	99
62) 4-Nitroaniline	10.510	138	247446	46.605	ng	99
63) Azobenzene	10.645	77	1192156	40.938	ng	98
65) 4,6-Dinitro-2-methylph...	10.533	198	168843	50.082	ng	98
66) n-Nitrosodiphenylamine	10.604	169	1079324	45.176	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	392880	48.283	ng	97
68) Hexachlorobenzene	11.039	284	414346	46.292	ng	96
69) Atrazine	11.127	200	221679	35.199	ng	98
70) Pentachlorophenol	11.227	266	446756	94.879	ng	98
71) Phenanthrene	11.457	178	1611570	42.821	ng	99
72) Anthracene	11.504	178	1638959	42.384	ng	100
73) Carbazole	11.657	167	1381500	39.821	ng	99
74) Di-n-butylphthalate	11.986	149	1945443	53.328	ng	100
75) Fluoranthene	12.639	202	1439366	38.260	ng	100
77) Benzidine	12.769	184	63185	8.370	ng	97
78) Pyrene	12.868	202	1402973	37.946	ng	100
80) Butylbenzylphthalate	13.486	149	583166	53.586	ng	99
81) Benzo(a)anthracene	14.057	228	1163771	43.262	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	164721	26.331	ng	99
83) Chrysene	14.098	228	1121886	44.799	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	800985	56.209	ng	100
85) Di-n-octyl phthalate	14.663	149	1369610	53.071	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	1182113	35.985	ng	99
88) Benzo(b)fluoranthene	15.121	252	1209754	42.297	ng	99
89) Benzo(k)fluoranthene	15.151	252	1232834	47.101	ng	100
90) Benzo(a)pyrene	15.498	252	1181056	46.081	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	990307	36.489	ng	99
92) Benzo(g,h,i)perylene	17.521	276	868911	32.258	ng	99

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

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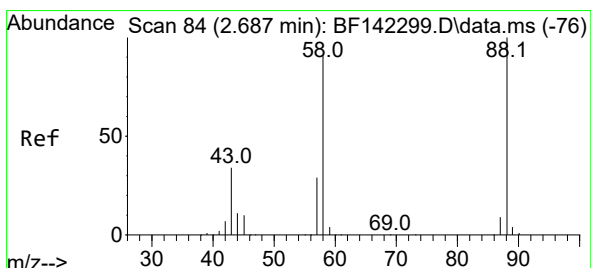
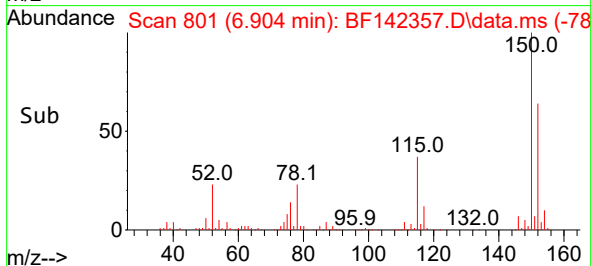
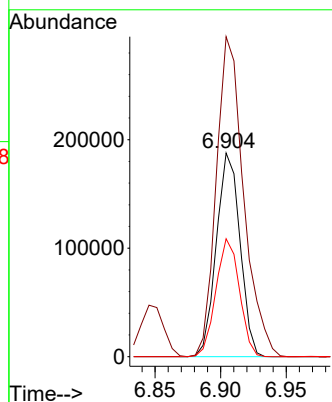
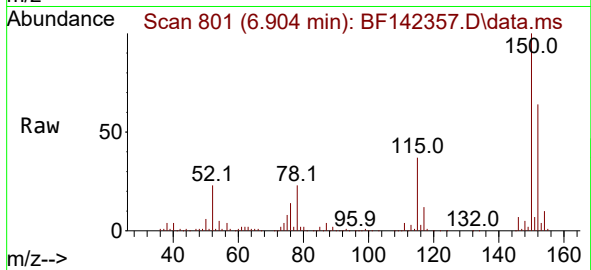




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF142357.D
 Acq: 13 May 2025 21:30

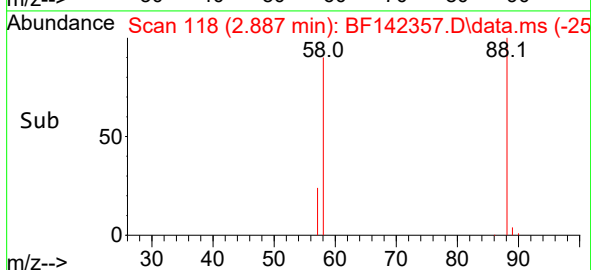
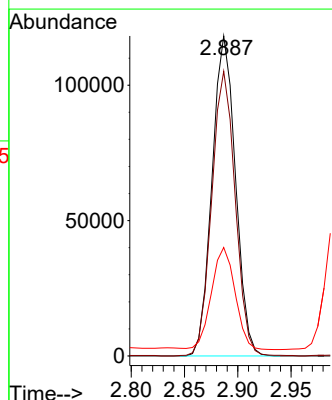
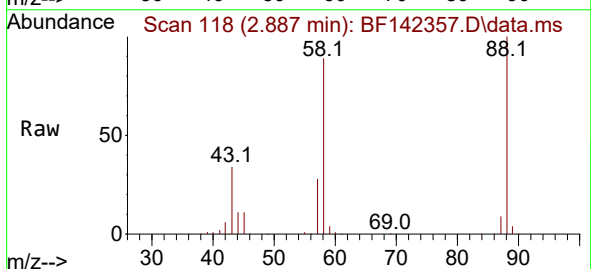
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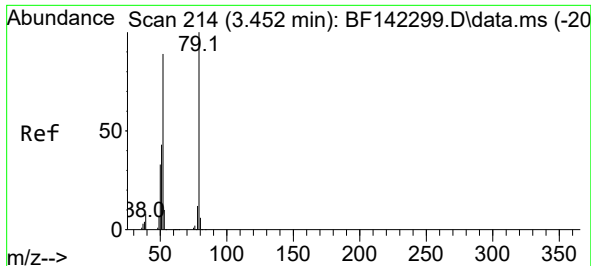
Tgt Ion:152 Resp: 234943
 Ion Ratio Lower Upper
 152 100
 150 157.1 126.6 190.0
 115 57.9 47.3 70.9



#2
 1,4-Dioxane
 Concen: 29.098 ng
 RT: 2.887 min Scan# 118
 Delta R.T. 0.200 min
 Lab File: BF142357.D
 Acq: 13 May 2025 21:30

Tgt Ion: 88 Resp: 180343
 Ion Ratio Lower Upper
 88 100
 58 89.3 73.0 109.4
 43 0.0 27.8 41.6#

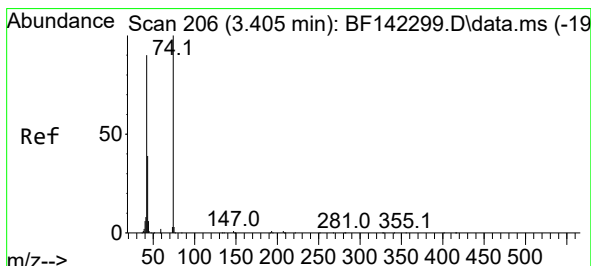
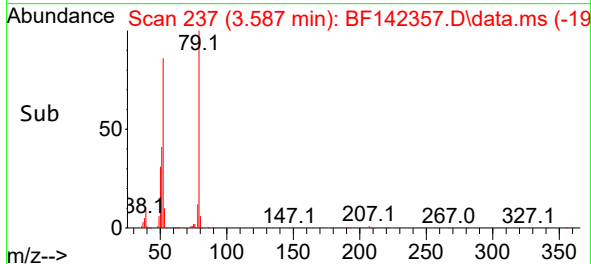
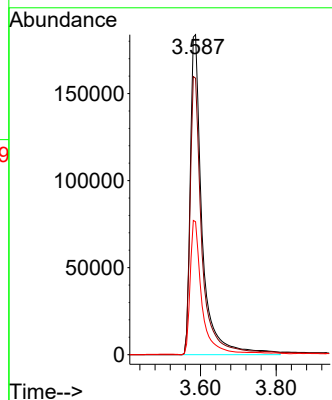
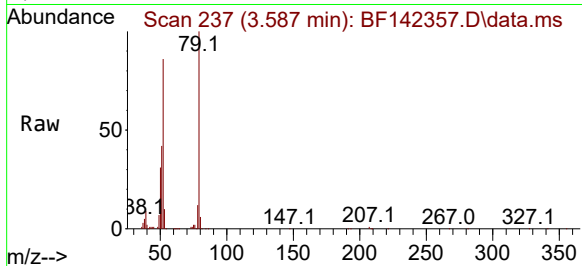




#3
 Pyridine
 Concen: 27.715 ng
 RT: 3.587 min Scan# 214
 Delta R.T. 0.135 min
 Lab File: BF142357.D
 Acq: 13 May 2025 21:30

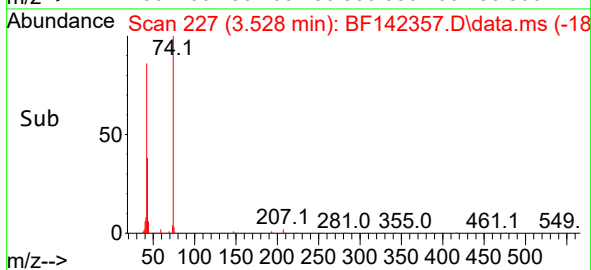
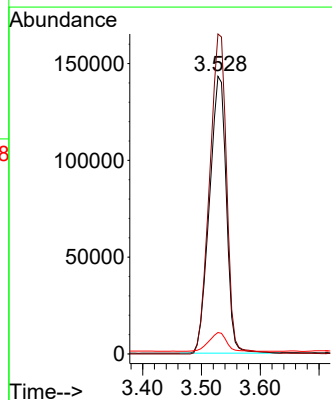
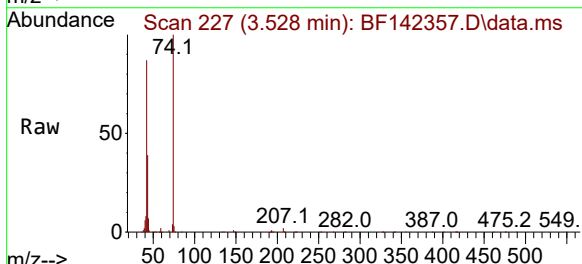
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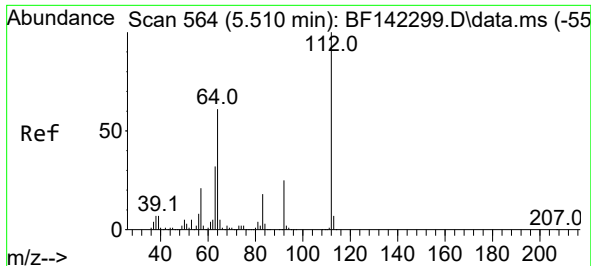
Tgt Ion: 79 Resp: 403277
 Ion Ratio Lower Upper
 79 100
 52 86.4 71.0 106.4
 51 41.6 34.9 52.3



#4
 n-Nitrosodimethylamine
 Concen: 33.732 ng
 RT: 3.528 min Scan# 227
 Delta R.T. 0.123 min
 Lab File: BF142357.D
 Acq: 13 May 2025 21:30

Tgt Ion: 42 Resp: 285272
 Ion Ratio Lower Upper
 42 100
 74 115.3 88.5 132.7
 44 7.7 5.8 8.8

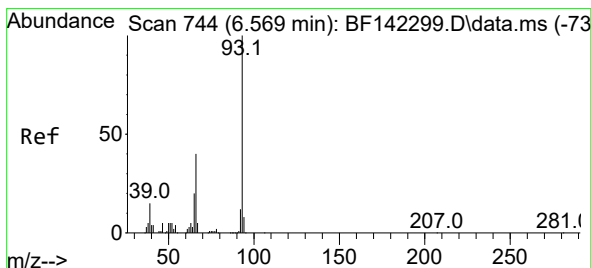
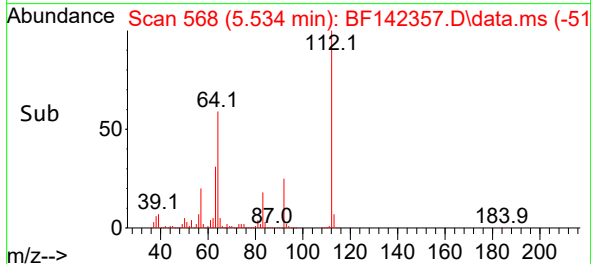
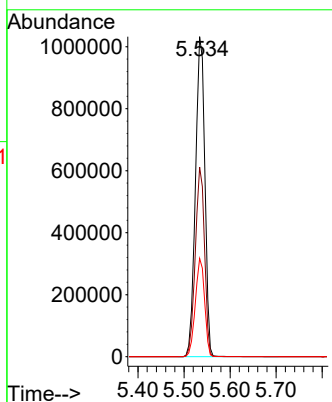
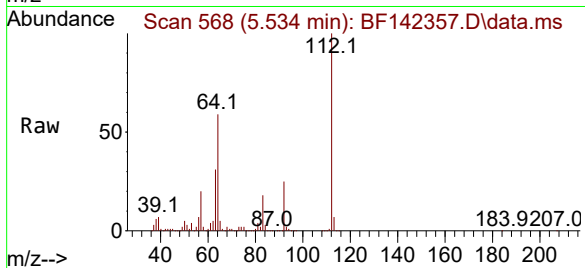




#5
2-Fluorophenol
Concen: 105.936 ng
RT: 5.534 min Scan# 568
Delta R.T. 0.023 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

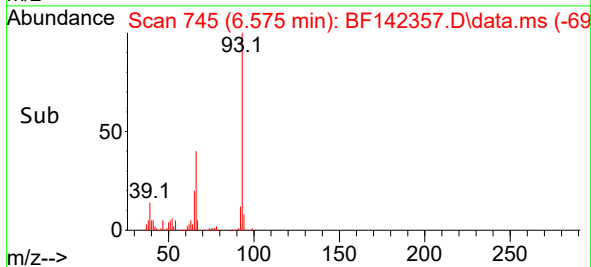
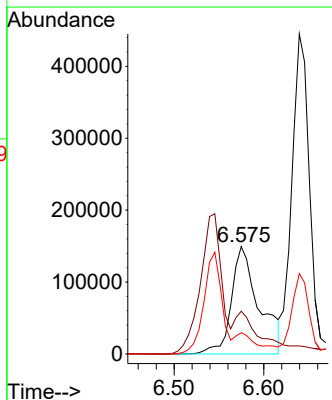
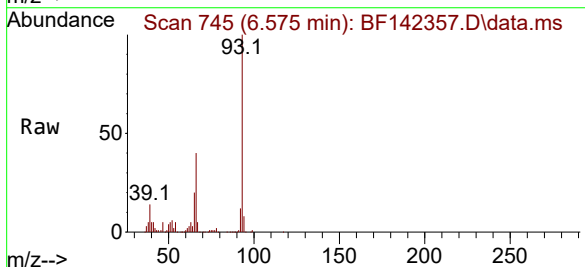
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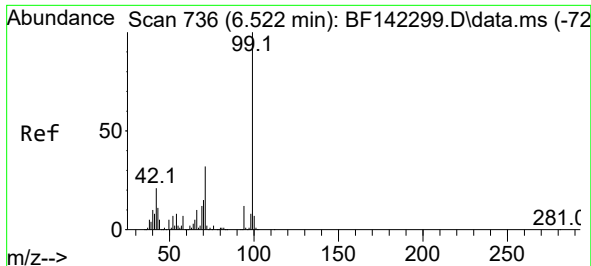
Tgt Ion:112 Resp: 1457984
Ion Ratio Lower Upper
112 100
64 59.2 48.9 73.3
63 30.7 25.6 38.4



#6
Aniline
Concen: 19.200 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion: 93 Resp: 318788
Ion Ratio Lower Upper
93 100
66 39.9 32.2 48.4
65 19.8 16.3 24.5

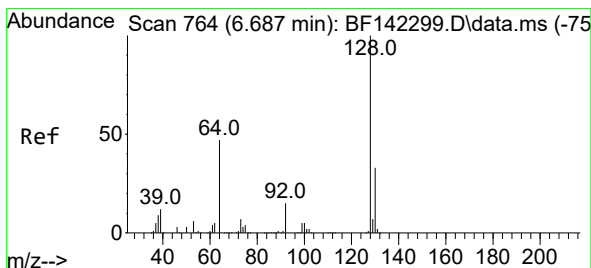
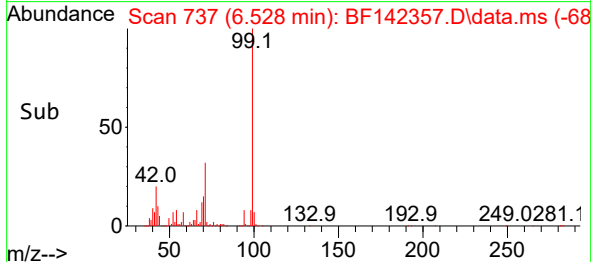
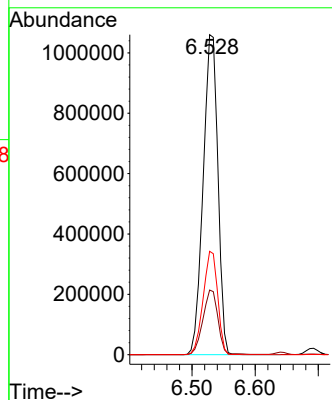
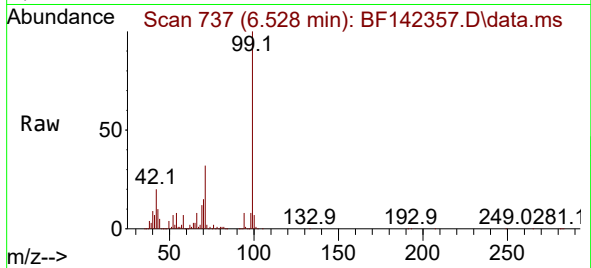




#7
Phenol-d6
Concen: 101.530 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

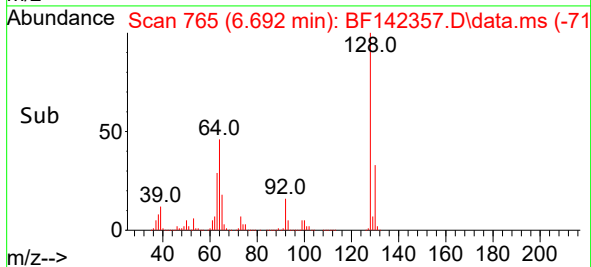
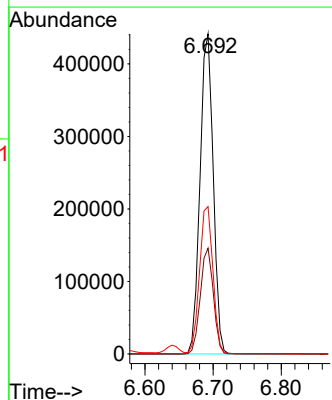
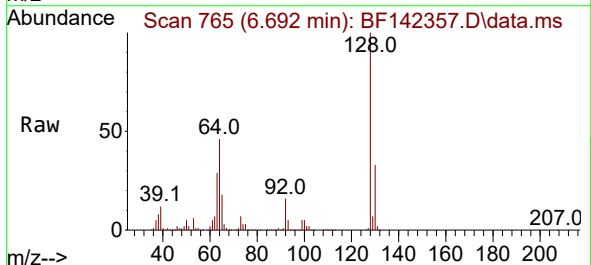
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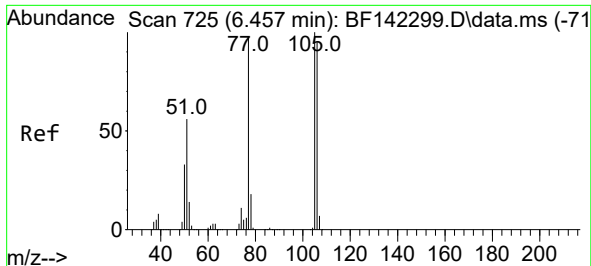
Tgt Ion: 99 Resp: 1718633
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.4
71 32.3 25.8 38.8



#8
2-Chlorophenol
Concen: 40.255 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion: 128 Resp: 592042
Ion Ratio Lower Upper
128 100
130 33.0 12.7 52.7
64 46.0 29.2 69.2

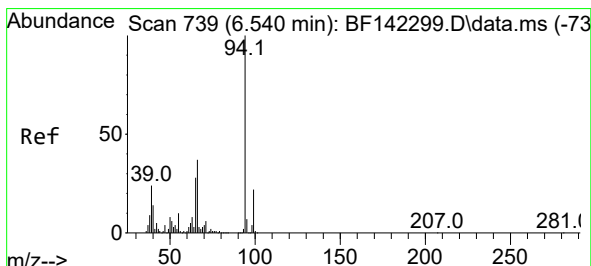
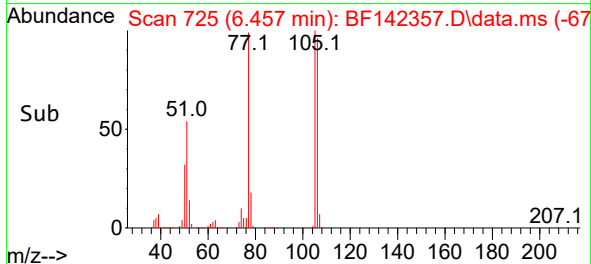
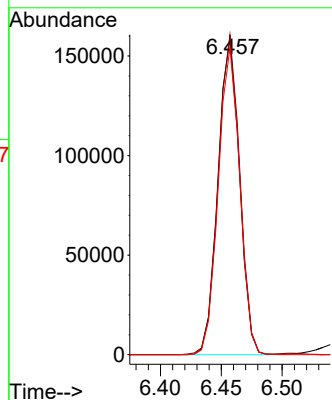
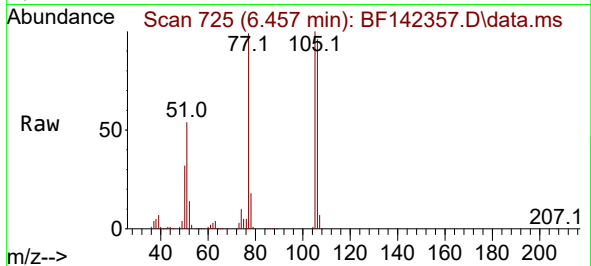




#9
Benzaldehyde
Concen: 19.728 ng
RT: 6.457 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

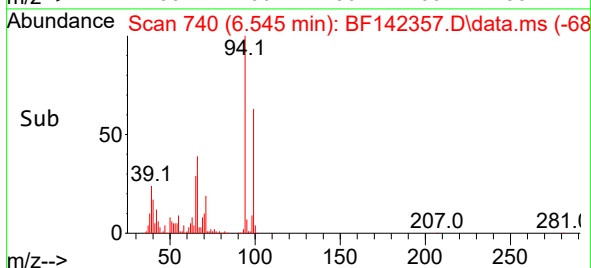
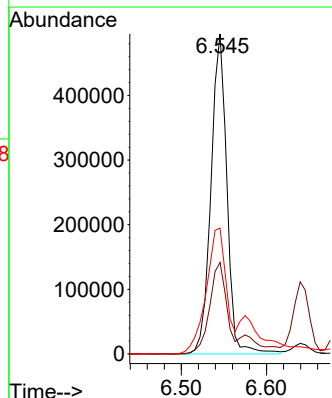
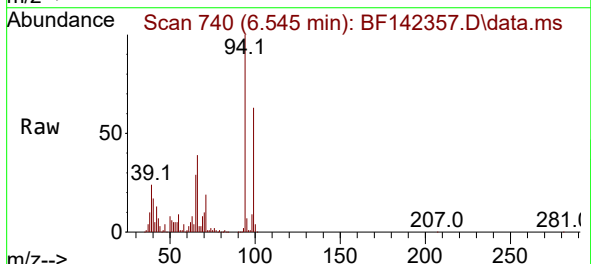
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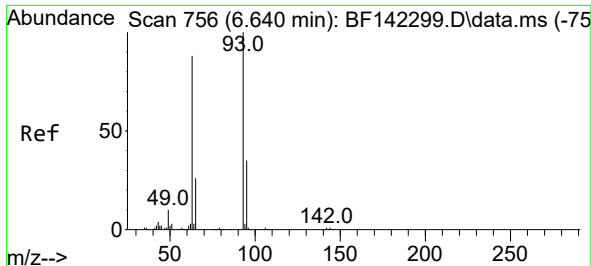
Tgt Ion: 77 Resp: 195451
Ion Ratio Lower Upper
77 100
105 101.4 82.0 122.0
106 97.3 77.2 117.2



#10
Phenol
Concen: 35.821 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion: 94 Resp: 642733
Ion Ratio Lower Upper
94 100
65 28.6 8.5 48.5
66 39.4 17.3 57.3





#11

bis(2-Chloroethyl)ether

Concen: 34.109 ng

RT: 6.640 min Scan# 756

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

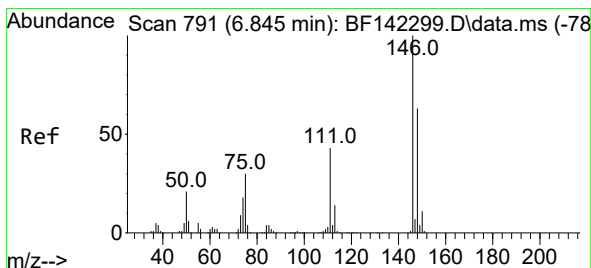
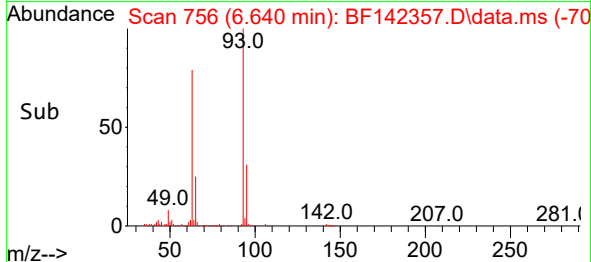
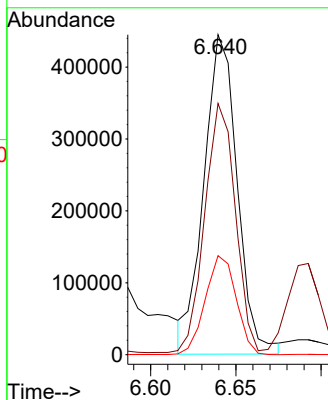
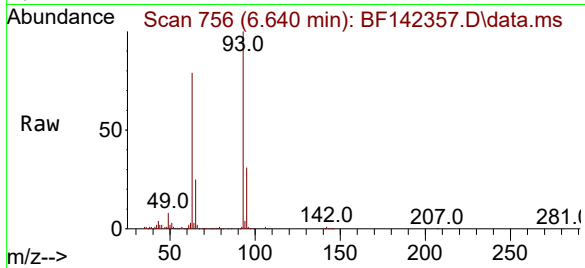
Tgt Ion: 93 Resp: 603541

Ion Ratio Lower Upper

93 100

63 78.5 58.4 98.4

95 31.0 10.6 50.6



#12

1,3-Dichlorobenzene

Concen: 33.076 ng

RT: 6.845 min Scan# 791

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

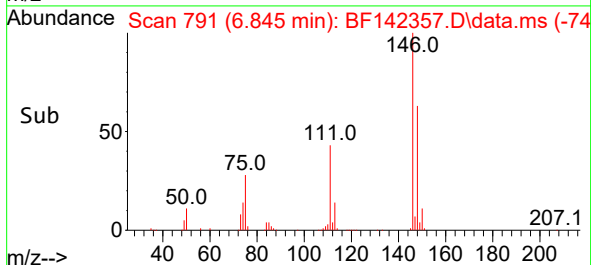
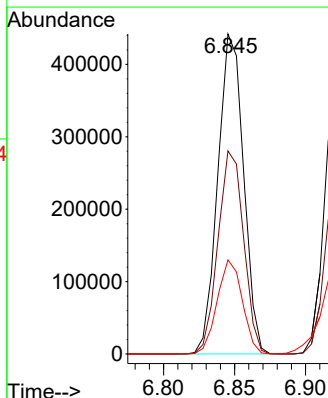
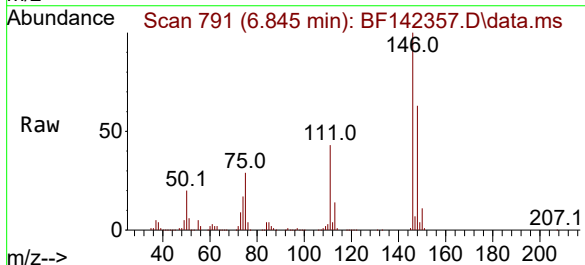
Tgt Ion:146 Resp: 556529

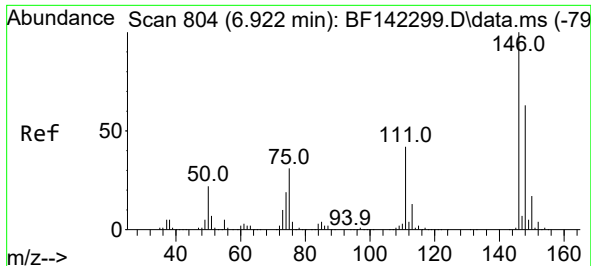
Ion Ratio Lower Upper

146 100

148 63.5 50.6 76.0

75 29.4 24.2 36.4

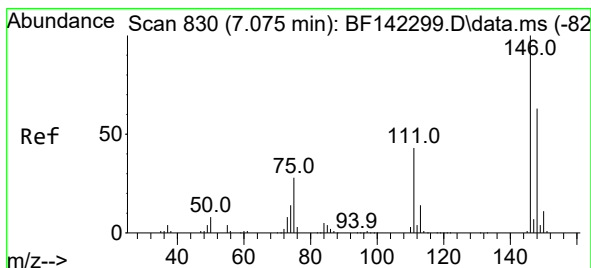
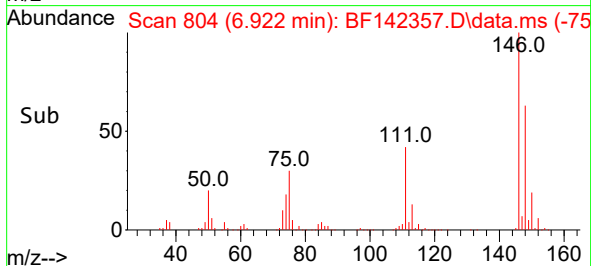
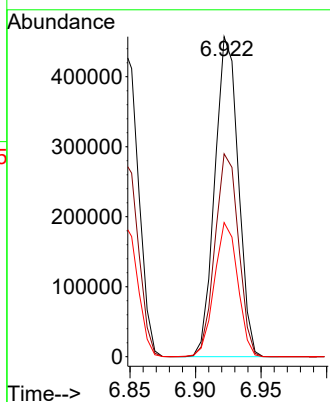
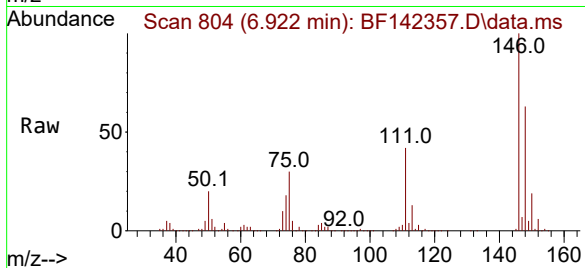




#13
1,4-Dichlorobenzene
Concen: 33.629 ng
RT: 6.922 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

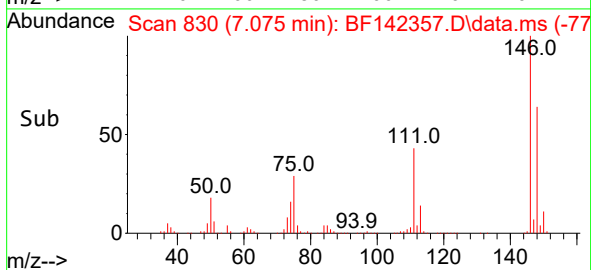
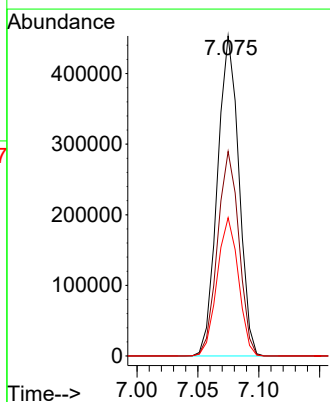
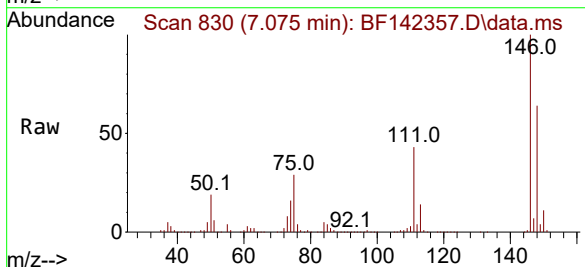
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

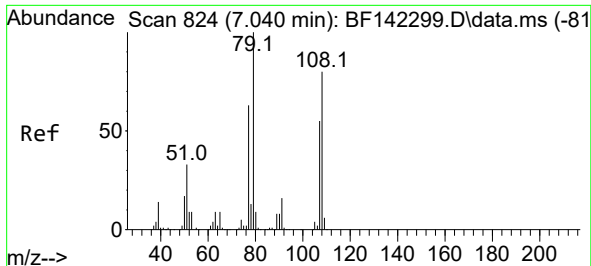
Tgt Ion:146 Resp: 568127
Ion Ratio Lower Upper
146 100
148 63.4 50.5 75.7
111 41.9 33.4 50.2



#14
1,2-Dichlorobenzene
Concen: 34.210 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:146 Resp: 554741
Ion Ratio Lower Upper
146 100
148 63.9 50.3 75.5
111 43.2 34.5 51.7

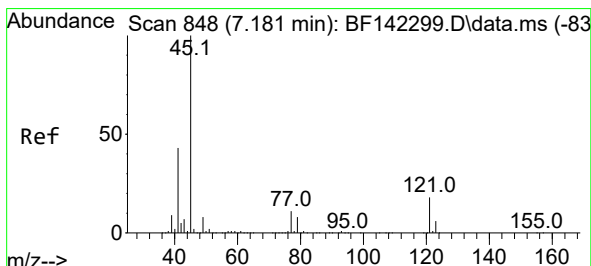
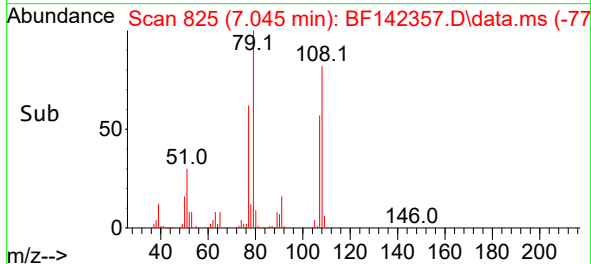
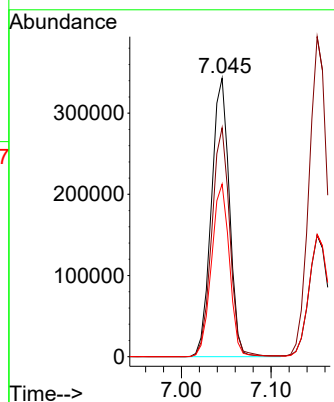
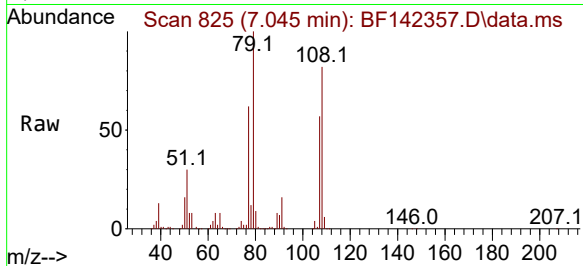




#15
Benzyl Alcohol
Concen: 43.647 ng
RT: 7.045 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

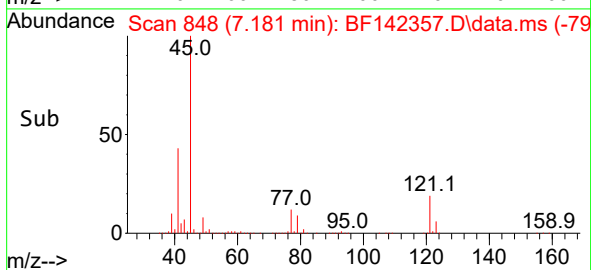
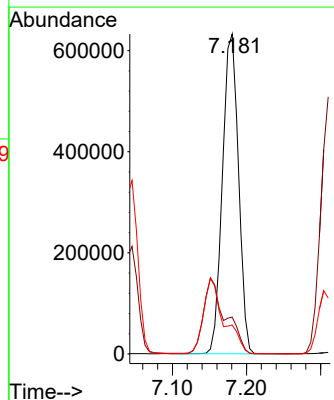
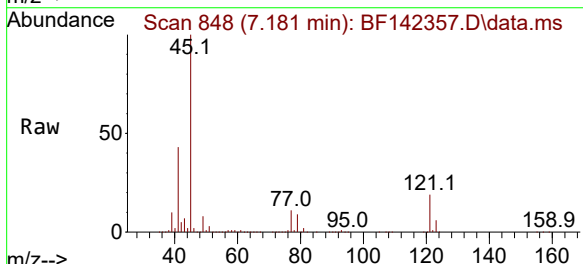
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

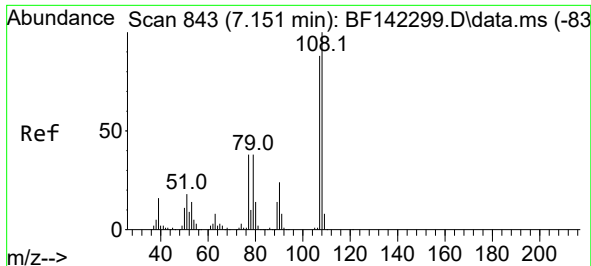
Tgt Ion: 79 Resp: 478413
Ion Ratio Lower Upper
79 100
108 82.2 63.9 95.9
77 62.0 50.7 76.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.939 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion: 45 Resp: 949622
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.2
79 9.1 0.0 28.5



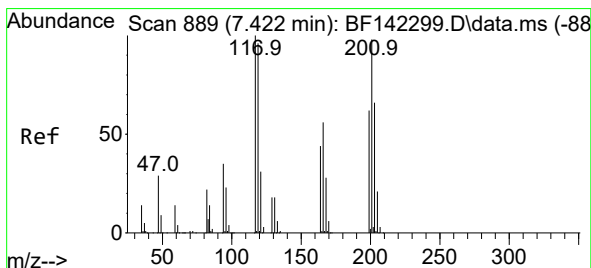
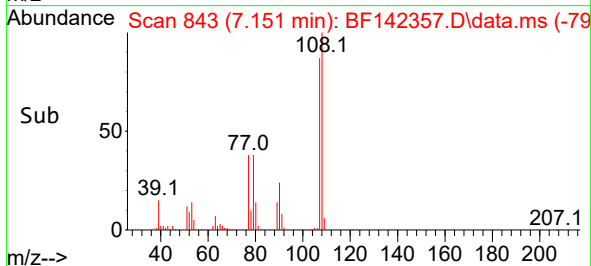
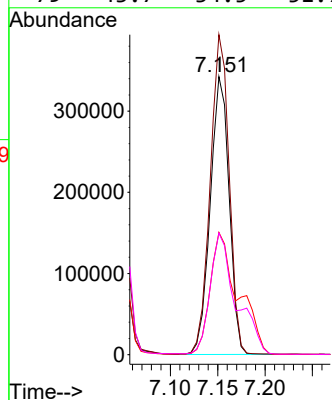
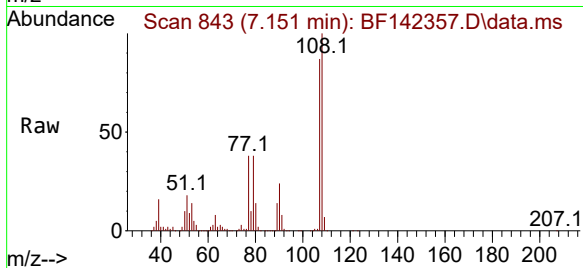


#17
2-Methylphenol
Concen: 39.863 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

Tgt Ion:107 Resp: 474643

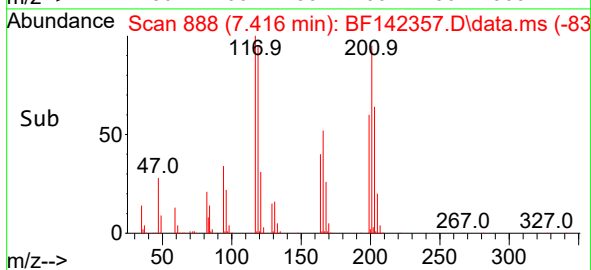
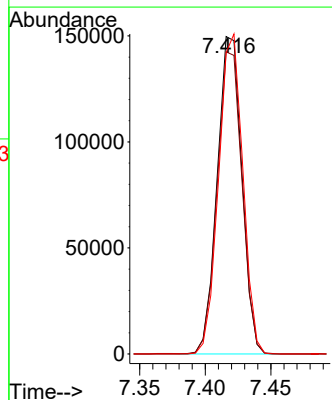
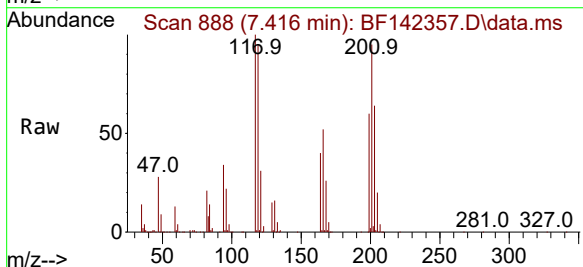
Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.1	136.7
77	44.0	34.7	52.1
79	43.7	34.5	51.7

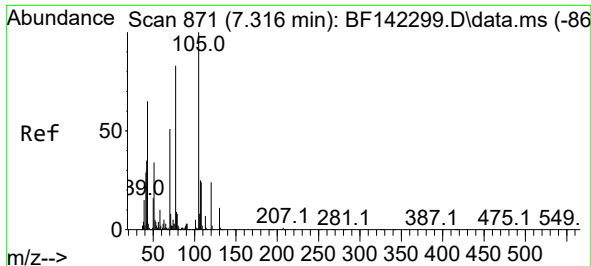


#18
Hexachloroethane
Concen: 34.830 ng
RT: 7.416 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:117 Resp: 195779

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.9	115.3
201	94.9	78.0	117.0

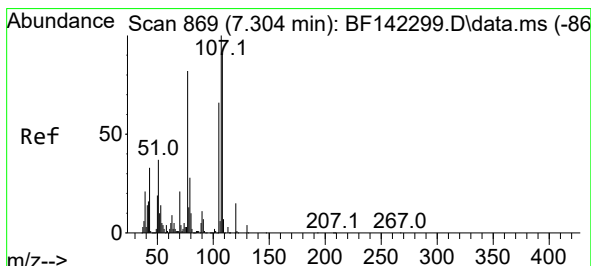
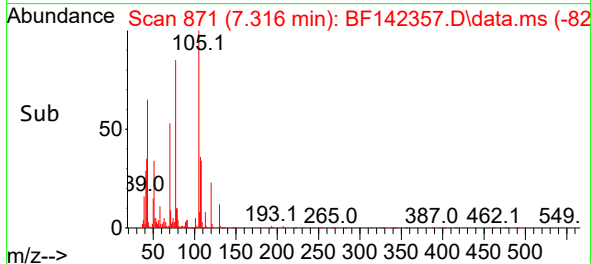
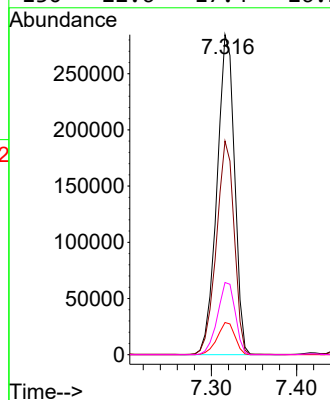
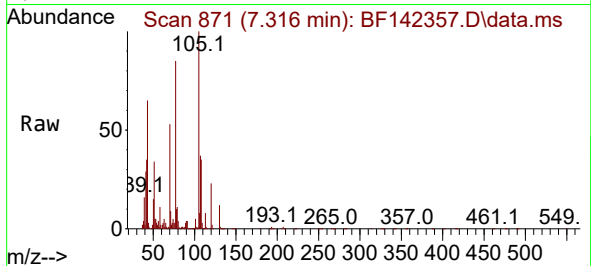




#19
n-Nitroso-di-n-propylamine
Concen: 39.121 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

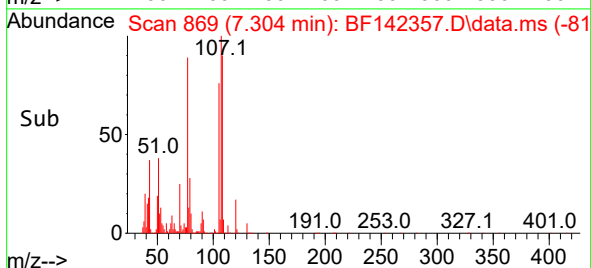
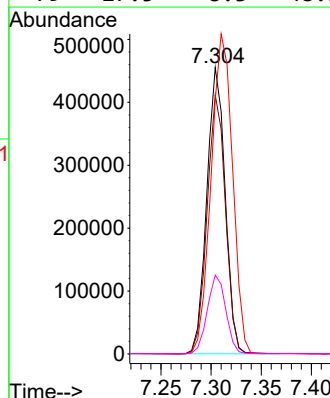
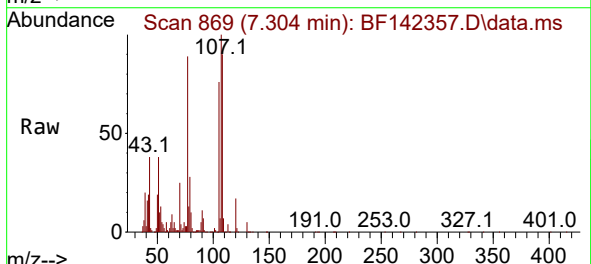
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

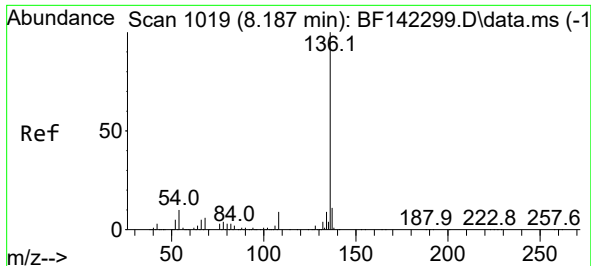
Tgt Ion: 70 Resp: 409620
Ion Ratio Lower Upper
70 100
42 66.8 54.8 82.2
101 10.0 7.7 11.5
130 22.6 17.4 26.2



#20
3+4-Methylphenols
Concen: 39.119 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion: 107 Resp: 581321
Ion Ratio Lower Upper
107 100
108 90.4 71.5 111.5
77 88.8 61.6 101.6
79 27.5 8.3 48.3

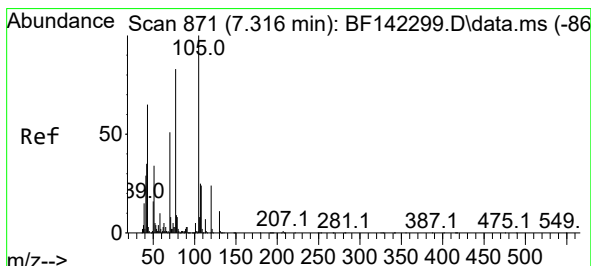
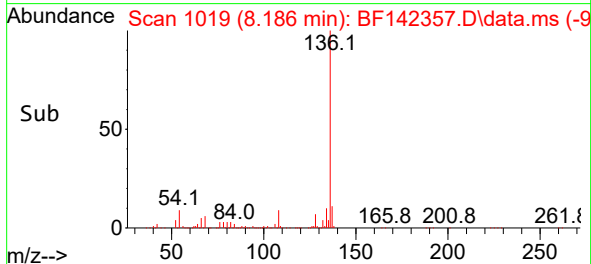
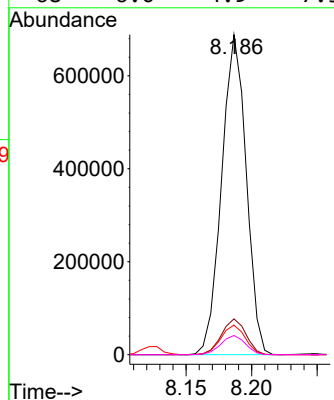
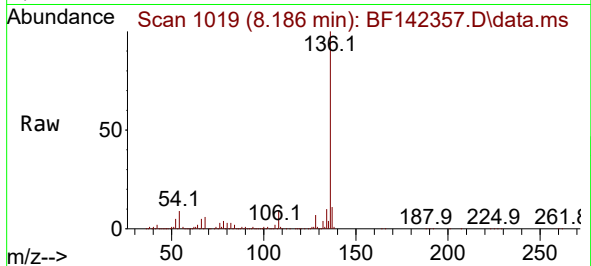




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

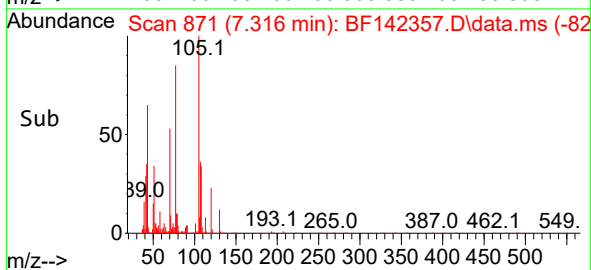
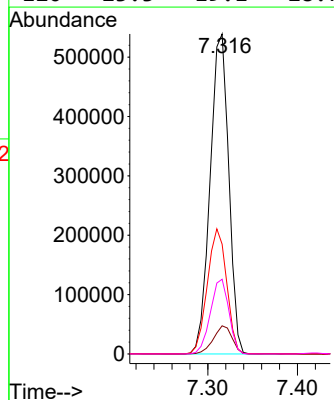
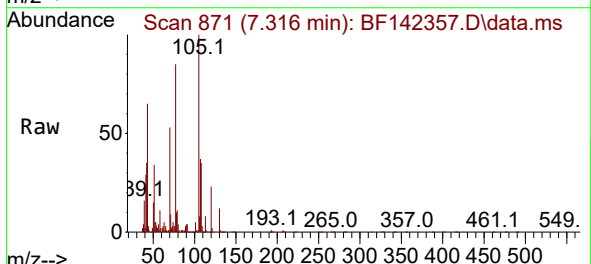
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

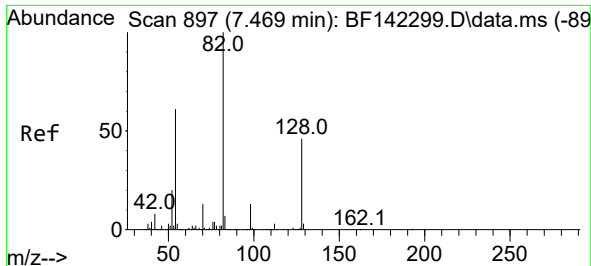
Tgt Ion:	136	Resp:	895836
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.2	7.7	11.5
68	6.0	4.9	7.3



#22
Acetophenone
Concen: 38.941 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:	105	Resp:	775647
Ion Ratio	Lower	Upper	
105	100		
71	8.8	6.7	10.1
51	34.3	27.6	41.4
120	23.3	19.1	28.7





#23

Nitrobenzene-d5

Concen: 79.295 ng

RT: 7.469 min Scan# 897

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

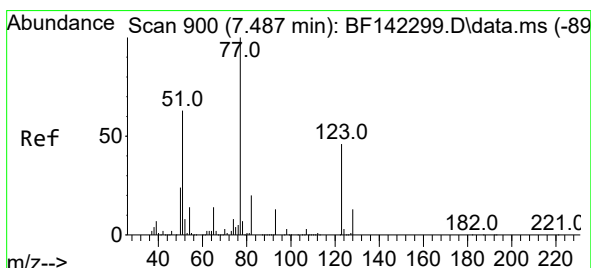
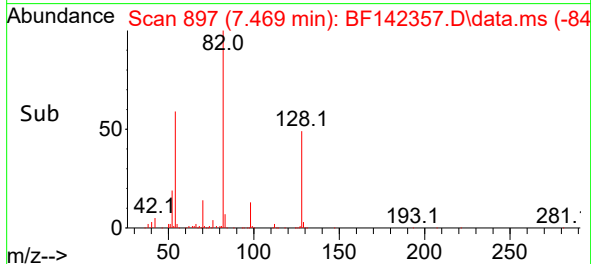
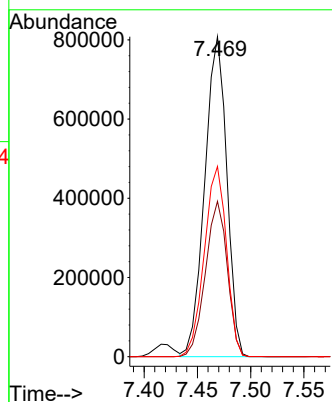
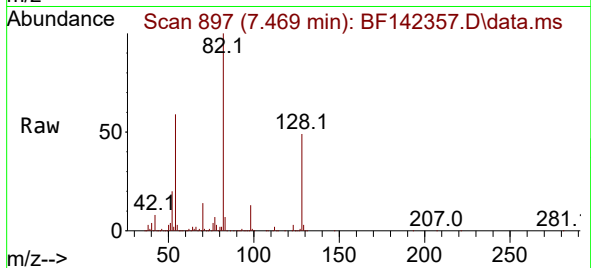
BNA_F

ClientSampleId :

VNJ-220MSD

Tgt Ion: 82 Resp: 1164765

Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.0	55.6
54	59.5	48.6	73.0



#24

Nitrobenzene

Concen: 42.312 ng

RT: 7.487 min Scan# 900

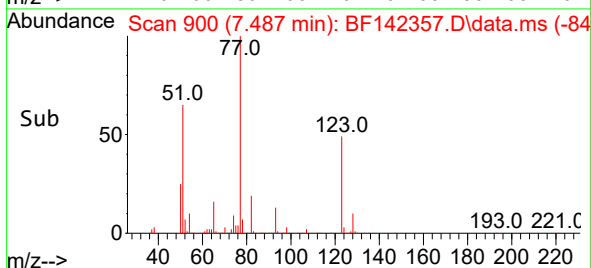
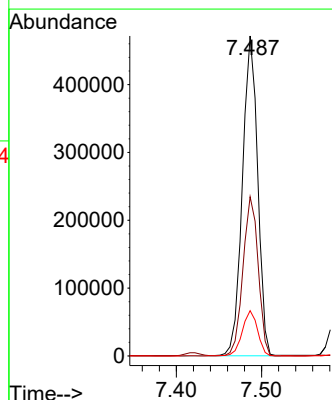
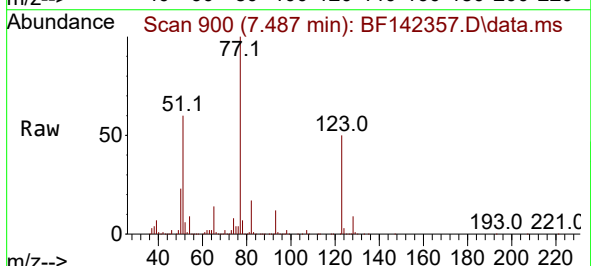
Delta R.T. -0.000 min

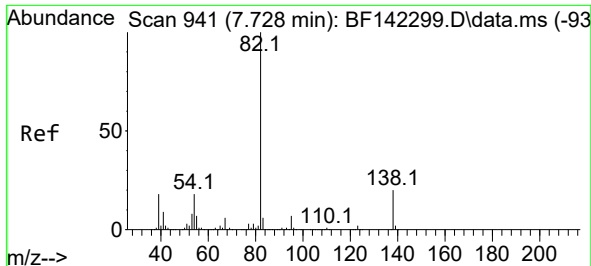
Lab File: BF142357.D

Acq: 13 May 2025 21:30

Tgt Ion: 77 Resp: 585857

Ion	Ratio	Lower	Upper
77	100		
123	49.8	37.8	56.8
65	14.1	11.4	17.0

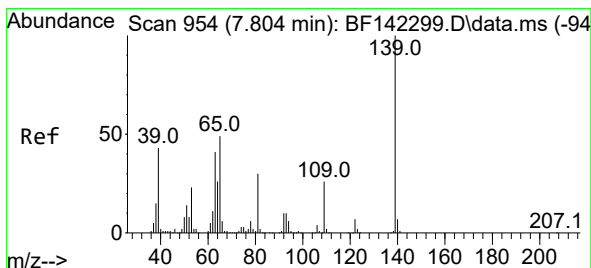
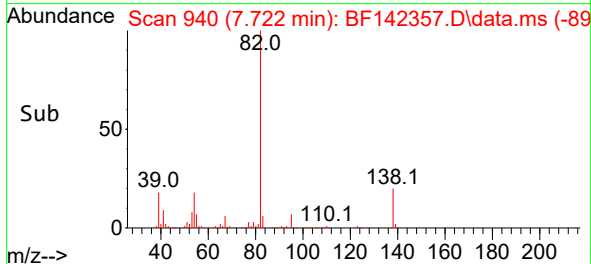
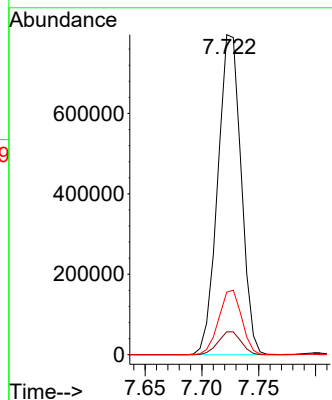
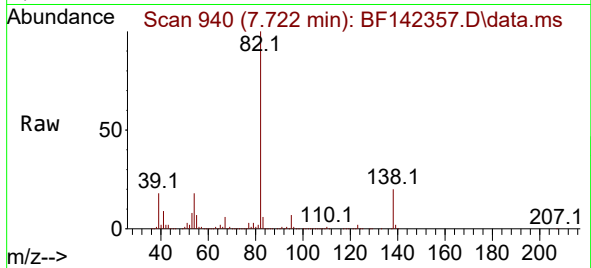




#25
Isophorone
Concen: 41.005 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

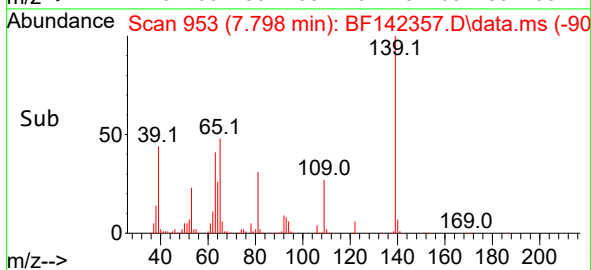
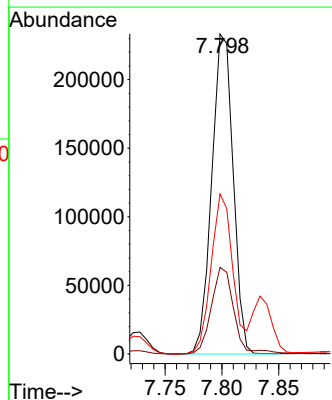
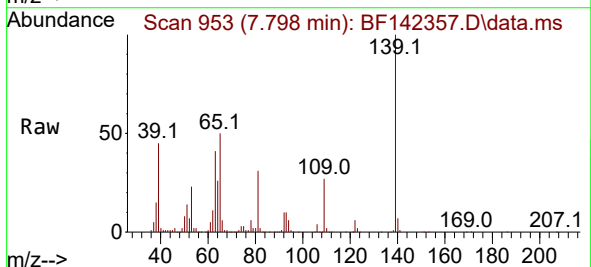
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

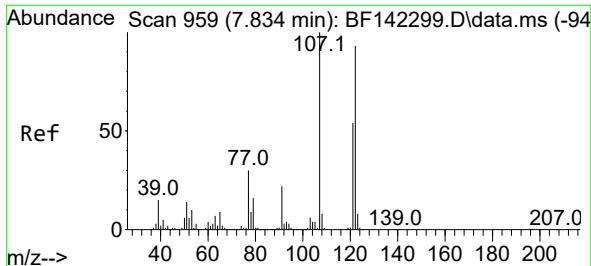
Tgt Ion: 82 Resp: 1140590
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.8
138 19.6 16.1 24.1



#26
2-Nitrophenol
Concen: 45.984 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion: 139 Resp: 305639
Ion Ratio Lower Upper
139 100
109 27.0 20.8 31.2
65 50.0 38.9 58.3





#27

2,4-Dimethylphenol

Concen: 43.302 ng

RT: 7.834 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

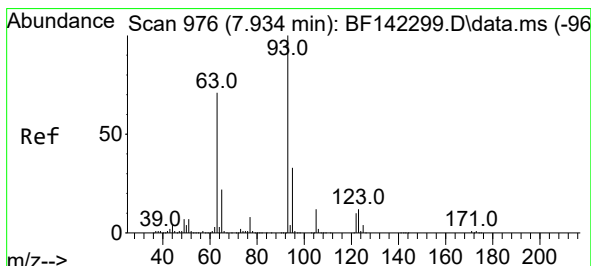
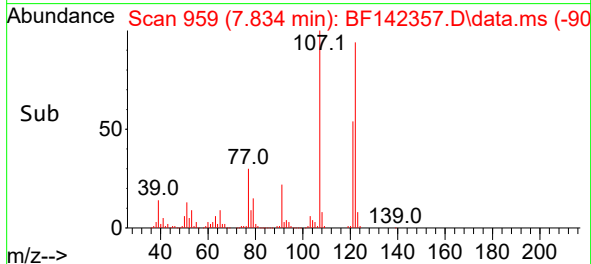
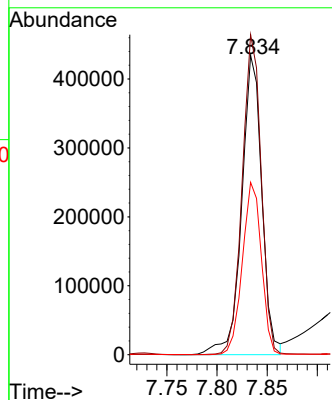
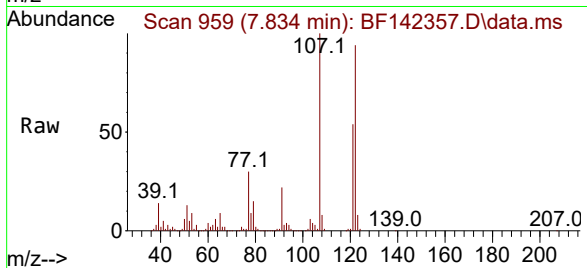
Tgt Ion:122 Resp: 605579

Ion Ratio Lower Upper

122 100

107 106.9 86.0 129.0

121 57.6 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 40.196 ng

RT: 7.934 min Scan# 976

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

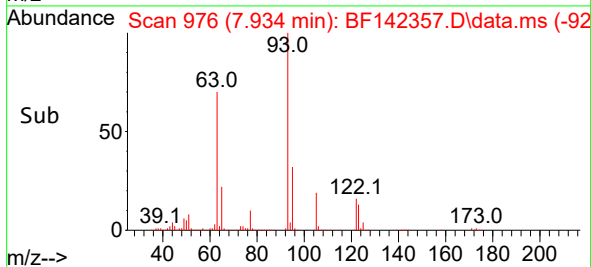
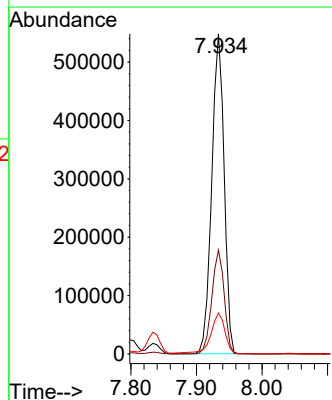
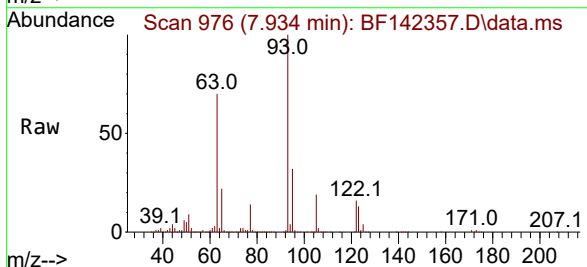
Tgt Ion: 93 Resp: 718945

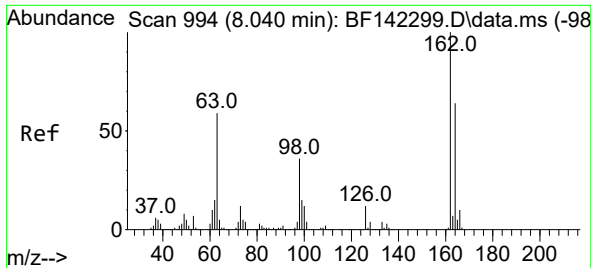
Ion Ratio Lower Upper

93 100

95 32.5 26.1 39.1

123 12.8 10.2 15.4

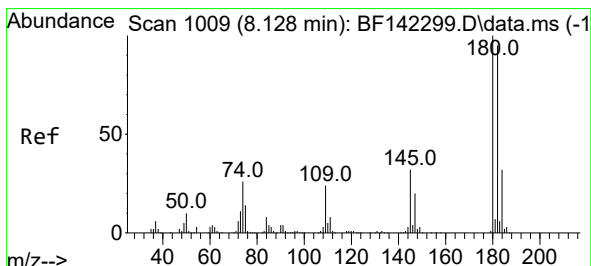
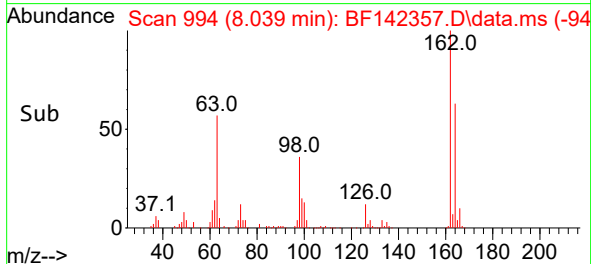
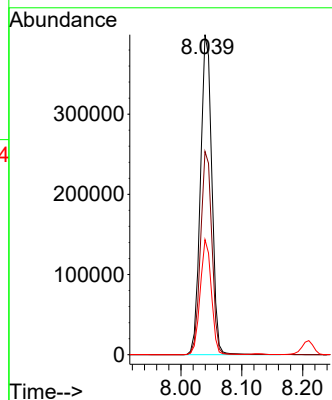
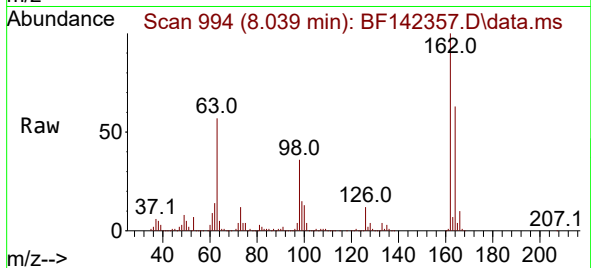




#29
2,4-Dichlorophenol
Concen: 43.627 ng
RT: 8.039 min Scan# 994
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

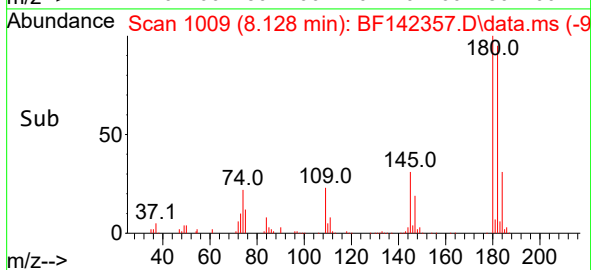
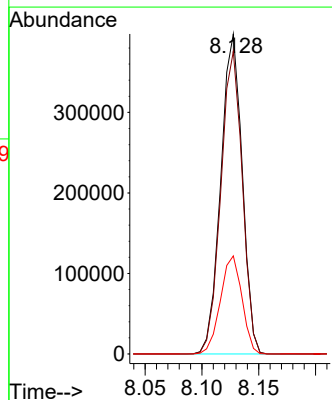
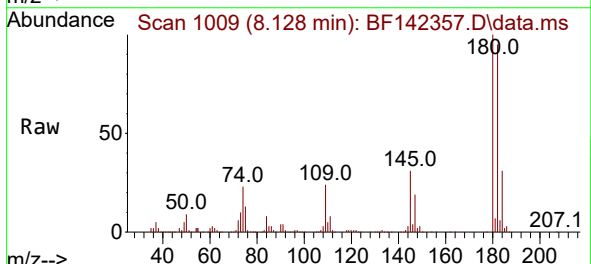
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

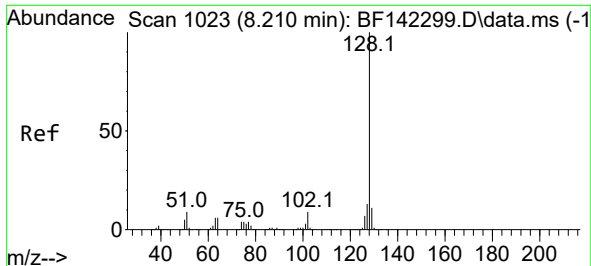
Tgt Ion:162 Resp: 518716
Ion Ratio Lower Upper
162 100
164 63.5 43.6 83.6
98 35.9 16.5 56.5



#30
1,2,4-Trichlorobenzene
Concen: 38.984 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:180 Resp: 521639
Ion Ratio Lower Upper
180 100
182 94.6 76.2 114.4
145 30.7 25.8 38.6





#31

Naphthalene

Concen: 38.717 ng

RT: 8.210 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

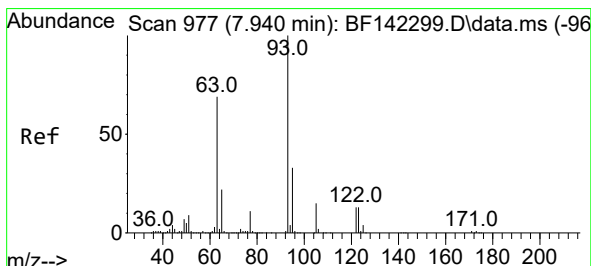
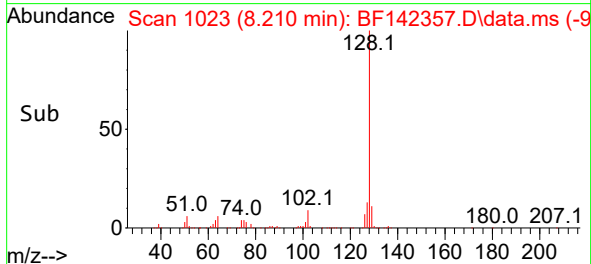
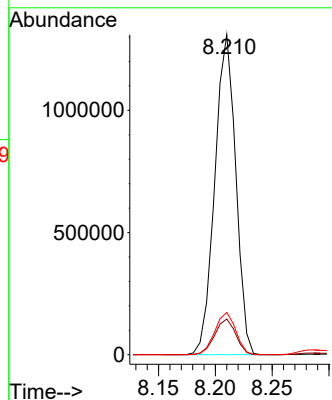
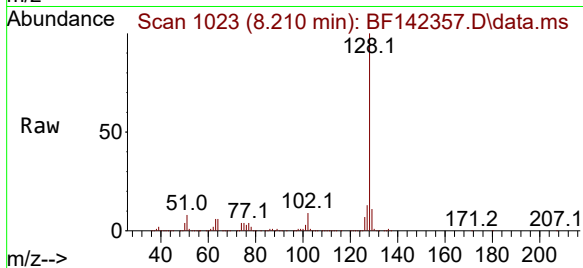
Tgt Ion:128 Resp: 1681002

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

127 13.2 10.5 15.7



#32

Benzoic acid

Concen: 40.776 ng

RT: 7.939 min Scan# 977

Delta R.T. -0.001 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

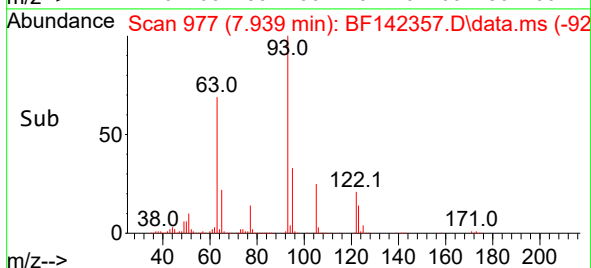
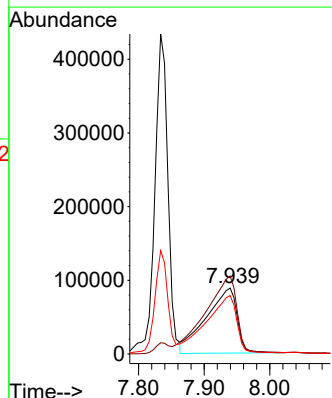
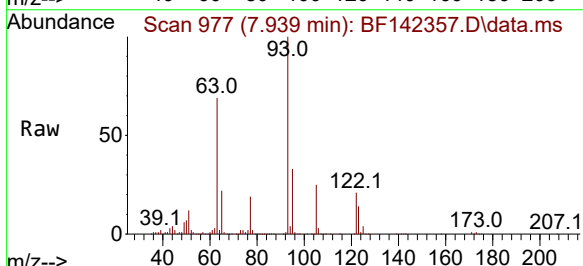
Tgt Ion:122 Resp: 290529

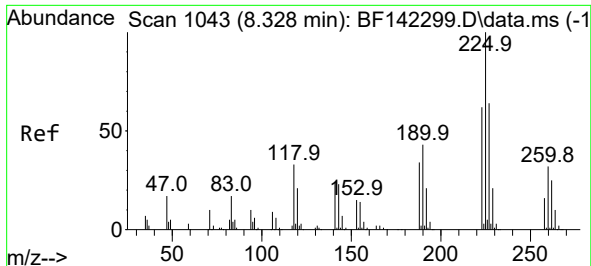
Ion Ratio Lower Upper

122 100

105 118.4 97.9 137.9

77 88.8 67.7 107.7

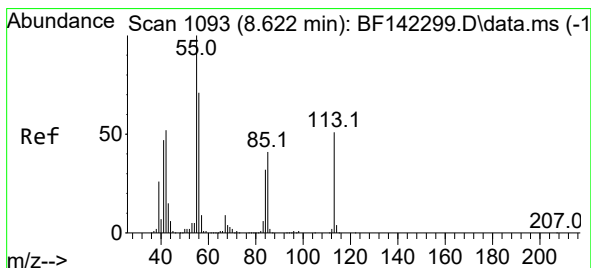
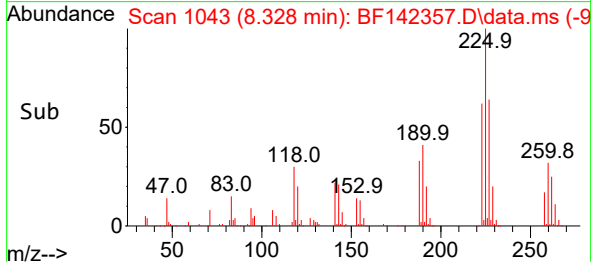
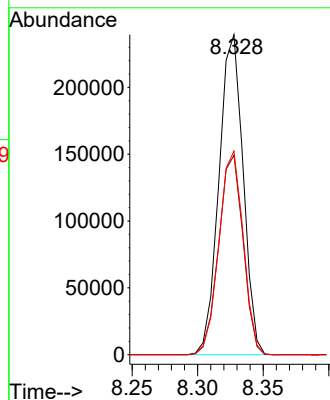
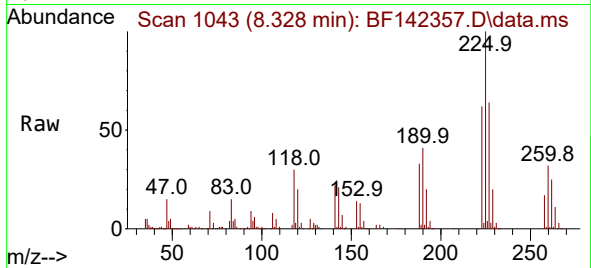




#34
Hexachlorobutadiene
Concen: 38.622 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

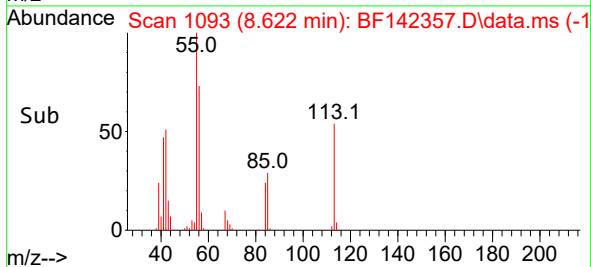
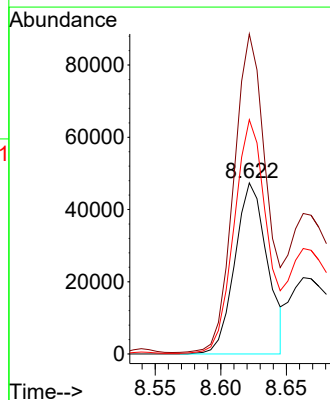
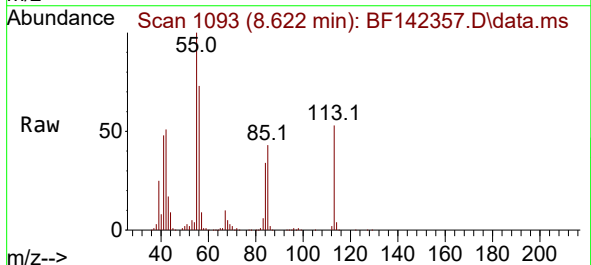
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

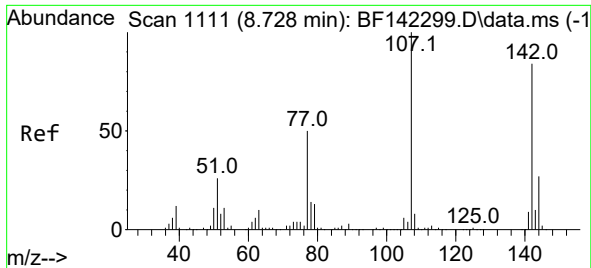
Tgt Ion:225 Resp: 306013
Ion Ratio Lower Upper
225 100
223 62.3 49.8 74.6
227 63.6 50.9 76.3



#35
Caprolactam
Concen: 23.557 ng
RT: 8.622 min Scan# 1093
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:113 Resp: 81628
Ion Ratio Lower Upper
113 100
55 187.1 176.4 216.4
56 137.0 120.3 160.3





#36

4-Chloro-3-methylphenol

Concen: 43.090 ng

RT: 8.733 min Scan# 1111

Delta R.T. 0.006 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

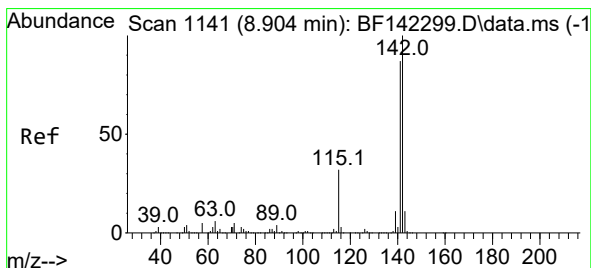
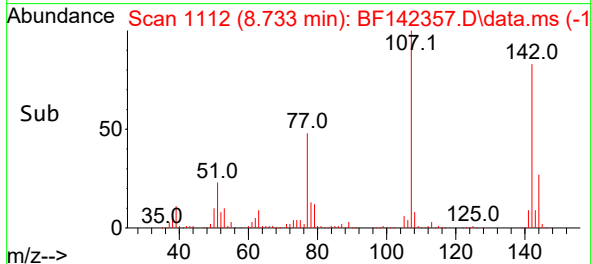
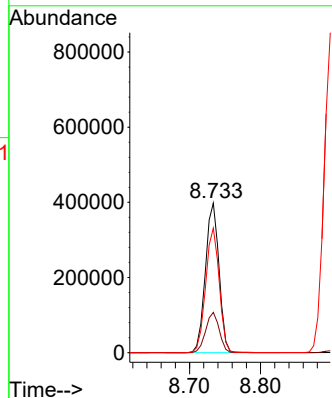
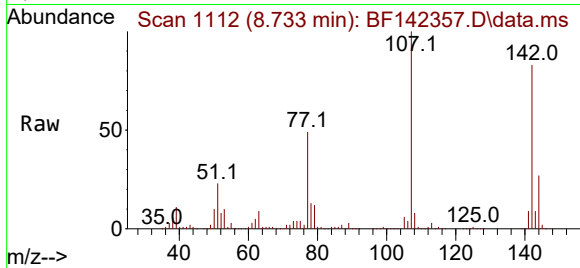
Tgt Ion:107 Resp: 532571

Ion Ratio Lower Upper

107 100

144 26.9 21.3 31.9

142 83.3 66.9 100.3



#37

2-Methylnaphthalene

Concen: 40.241 ng

RT: 8.898 min Scan# 1140

Delta R.T. -0.006 min

Lab File: BF142357.D

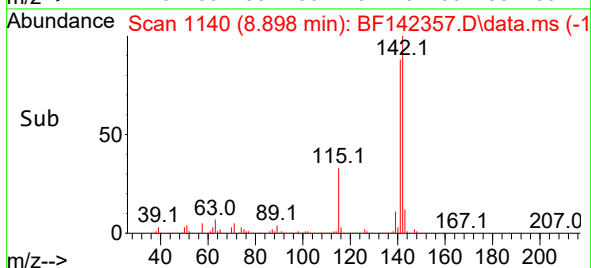
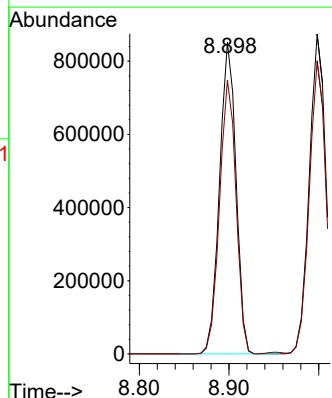
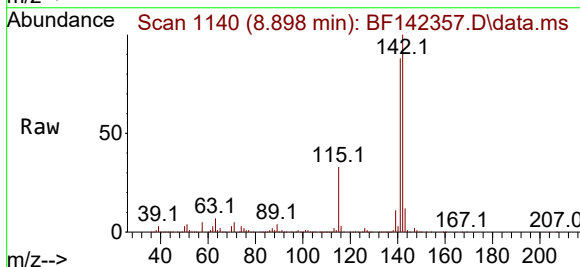
Acq: 13 May 2025 21:30

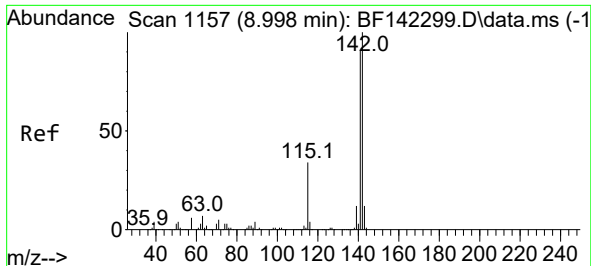
Tgt Ion:142 Resp: 1085644

Ion Ratio Lower Upper

142 100

141 87.9 69.4 104.2





#38

1-Methylnaphthalene

Concen: 39.839 ng

RT: 8.998 min Scan# 1157

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

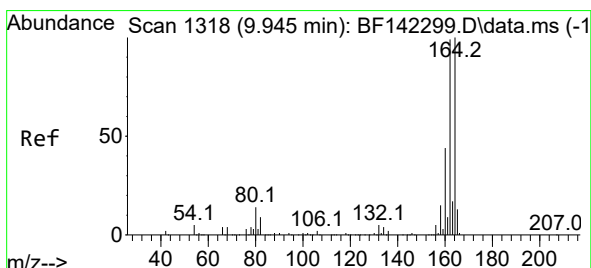
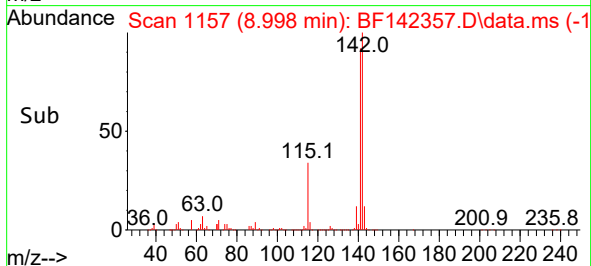
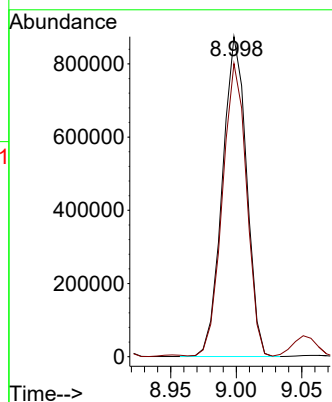
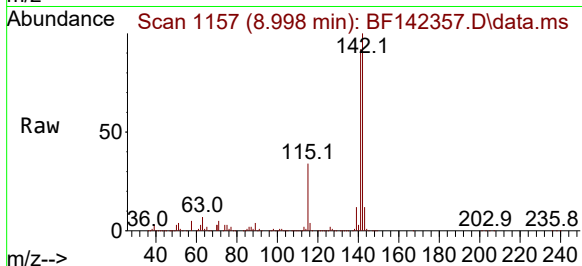
VNJ-220MSD

Tgt Ion:142 Resp: 1120234

Ion Ratio Lower Upper

142 100

141 91.6 72.5 108.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

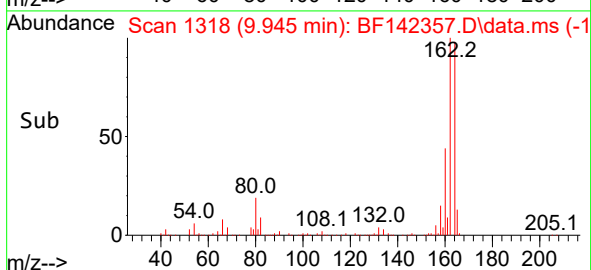
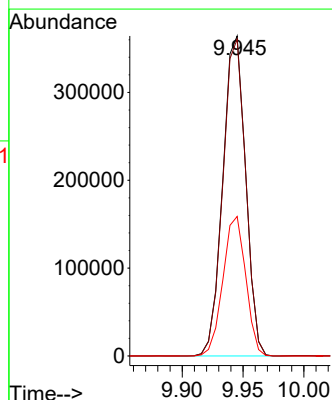
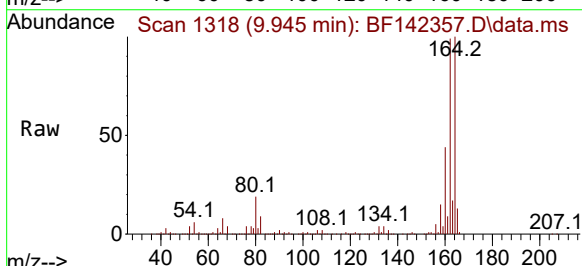
Tgt Ion:164 Resp: 475224

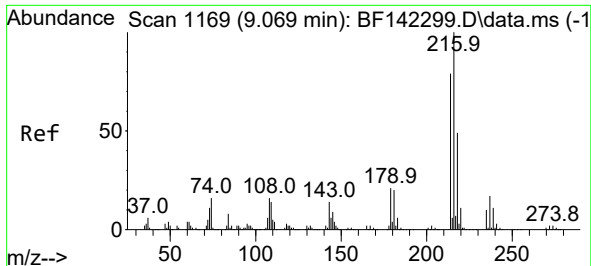
Ion Ratio Lower Upper

164 100

162 99.0 79.2 118.8

160 43.6 35.3 52.9

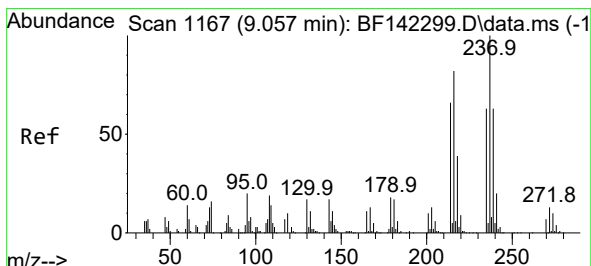
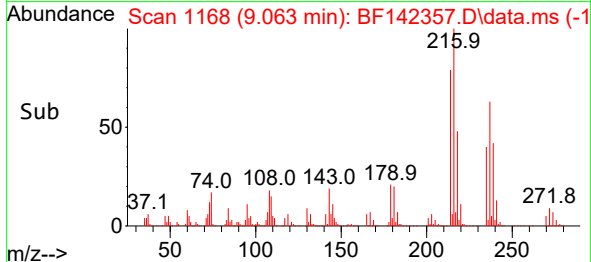
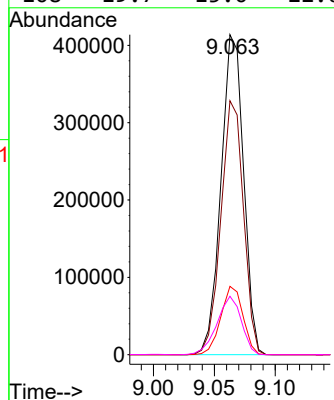
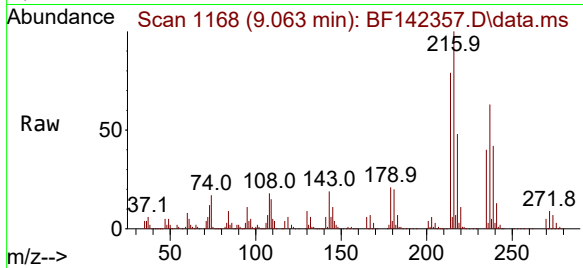




#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.268 ng
 RT: 9.063 min Scan# 1168
 Delta R.T. -0.006 min
 Lab File: BF142357.D
 Acq: 13 May 2025 21:30

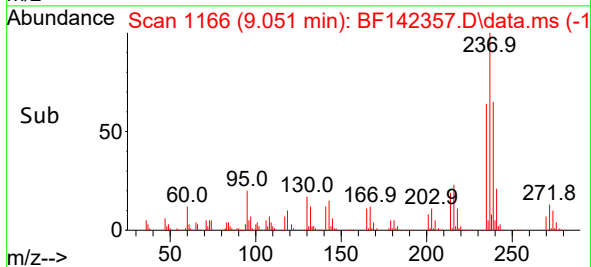
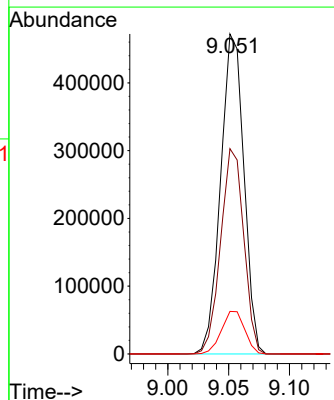
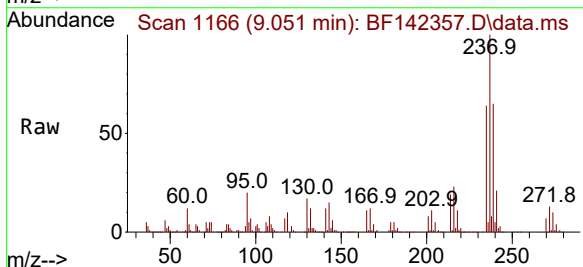
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220MSD

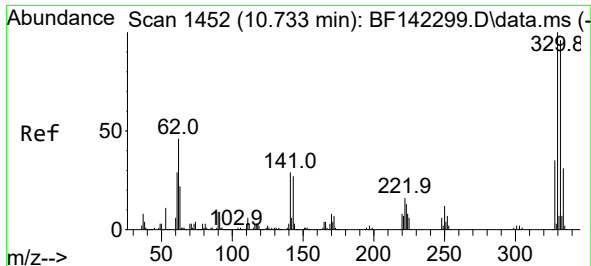
Tgt Ion:	216	Resp:	534457
Ion Ratio	Lower	Upper	
216	100		
214	79.2	63.8	95.6
179	21.0	17.0	25.6
108	19.7	15.0	22.6



#41
 Hexachlorocyclopentadiene
 Concen: 76.584 ng
 RT: 9.051 min Scan# 1166
 Delta R.T. -0.006 min
 Lab File: BF142357.D
 Acq: 13 May 2025 21:30

Tgt Ion:	237	Resp:	628200
Ion Ratio	Lower	Upper	
237	100		
235	64.2	42.8	82.8
272	13.3	0.0	33.0





#42

2,4,6-Tribromophenol

Concen: 130.370 ng

RT: 10.733 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

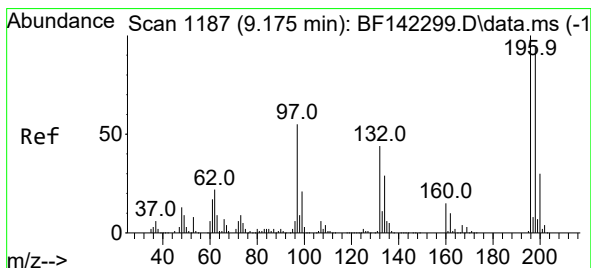
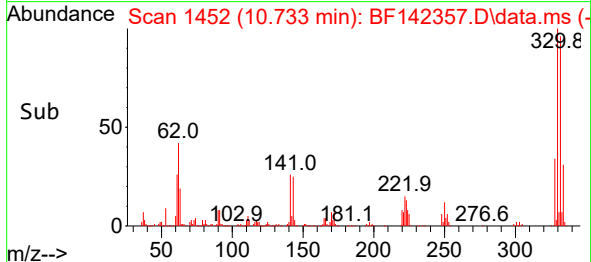
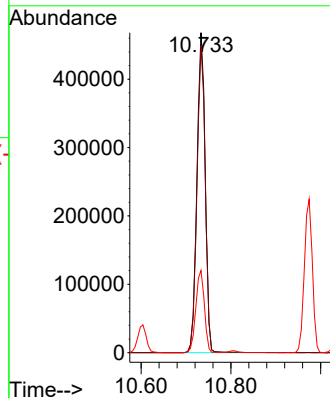
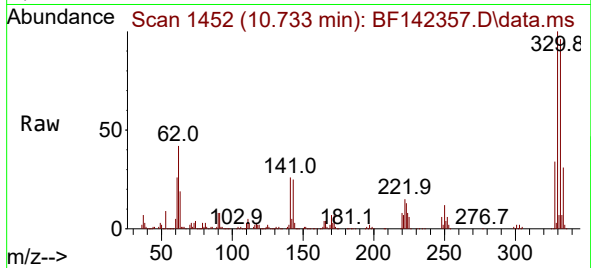
Tgt Ion:330 Resp: 598163

Ion Ratio Lower Upper

330 100

332 95.9 76.8 115.2

141 26.7 24.9 37.3



#43

2,4,6-Trichlorophenol

Concen: 45.494 ng

RT: 9.175 min Scan# 1187

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

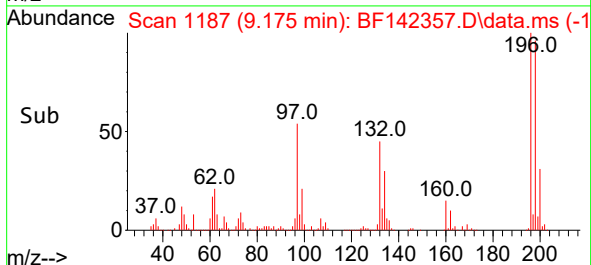
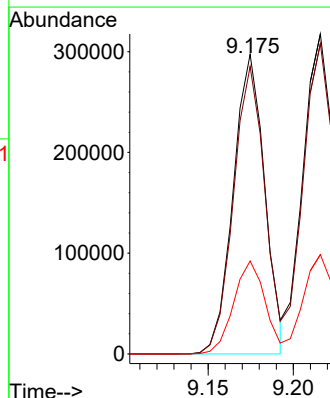
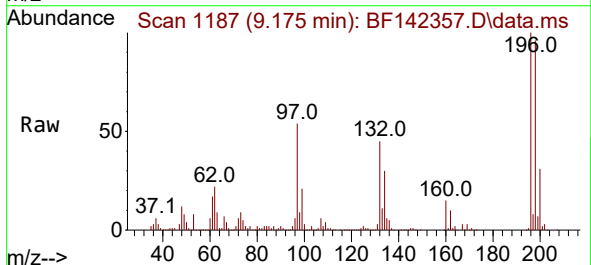
Tgt Ion:196 Resp: 380867

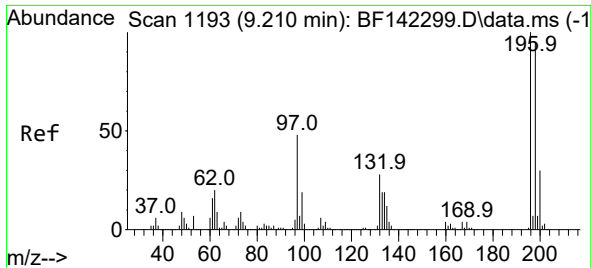
Ion Ratio Lower Upper

196 100

198 95.9 75.4 113.0

200 31.0 24.3 36.5

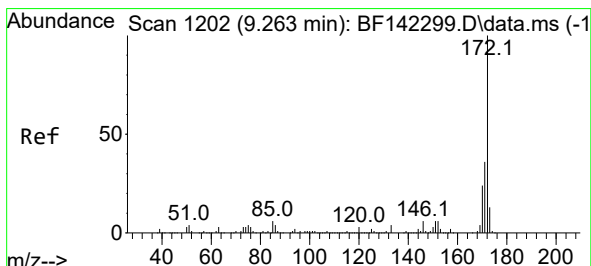
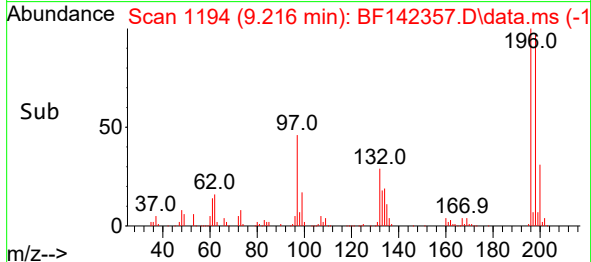
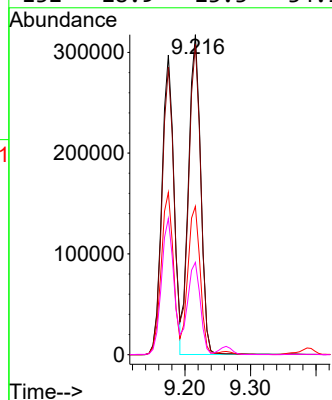
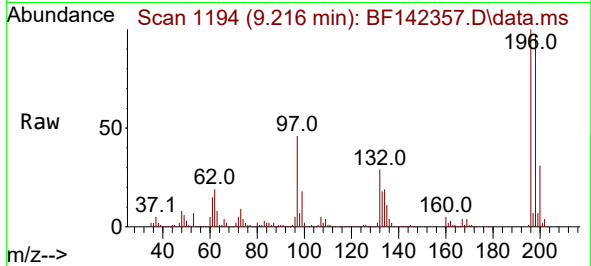




#44
2,4,5-Trichlorophenol
Concen: 45.657 ng
RT: 9.216 min Scan# 1193
Delta R.T. 0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

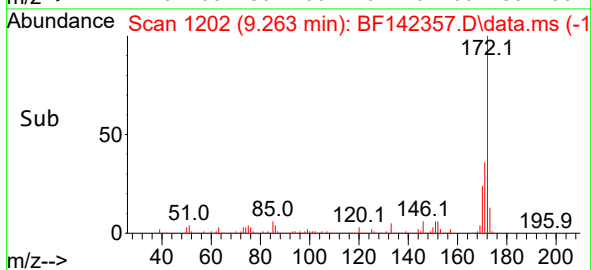
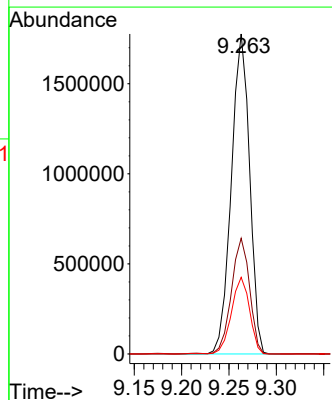
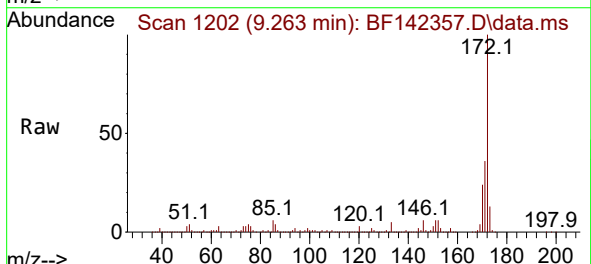
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

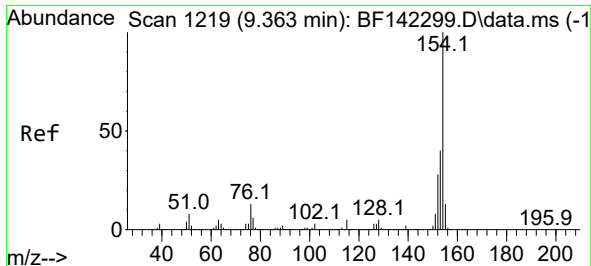
Tgt Ion:196 Resp: 406700
Ion Ratio Lower Upper
196 100
198 97.0 76.1 114.1
97 46.3 39.0 58.4
132 28.9 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 71.380 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:172 Resp: 2379006
Ion Ratio Lower Upper
172 100
171 36.1 28.6 42.8
170 23.9 19.0 28.4

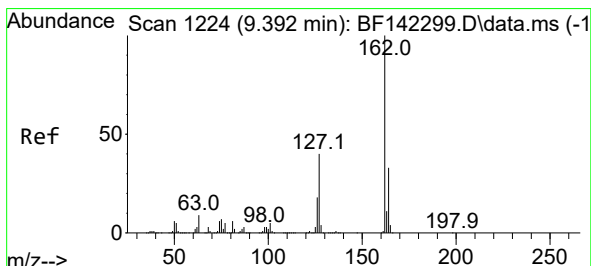
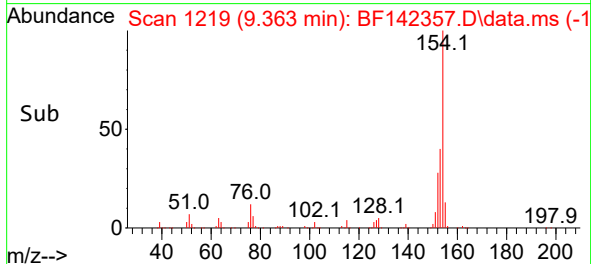
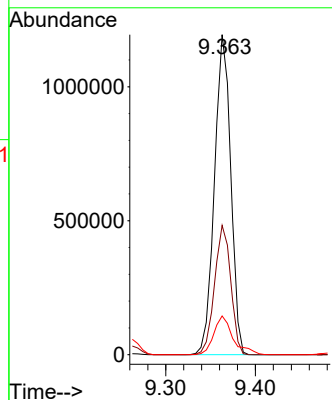
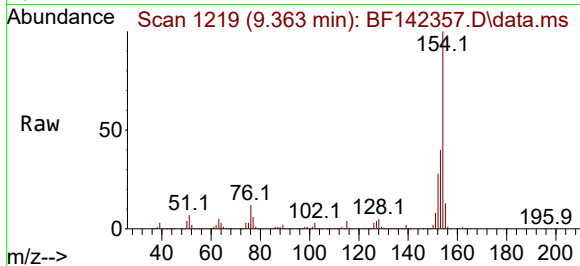




#46
 1,1'-Biphenyl
 Concen: 41.247 ng
 RT: 9.363 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF142357.D
 Acq: 13 May 2025 21:30

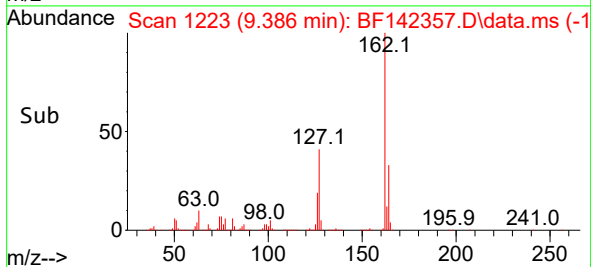
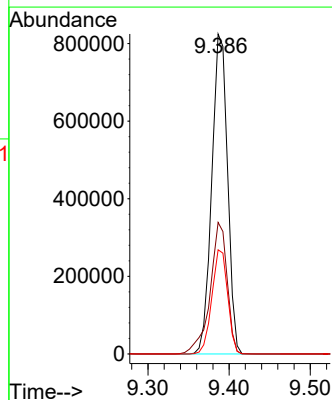
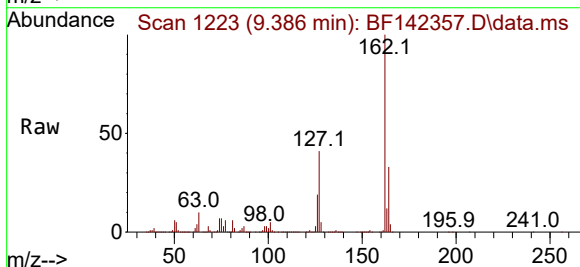
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220MSD

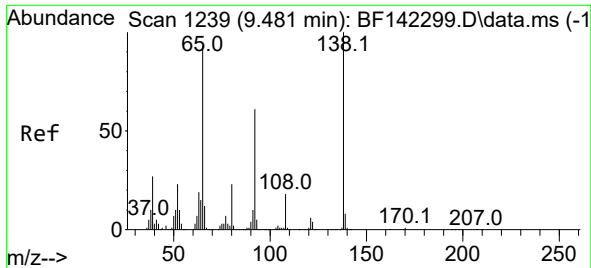
Tgt Ion:154 Resp: 1502945
 Ion Ratio Lower Upper
 154 100
 153 40.4 20.5 60.5
 76 12.1 0.0 32.8



#47
 2-Chloronaphthalene
 Concen: 40.940 ng
 RT: 9.386 min Scan# 1223
 Delta R.T. -0.006 min
 Lab File: BF142357.D
 Acq: 13 May 2025 21:30

Tgt Ion:162 Resp: 1109375
 Ion Ratio Lower Upper
 162 100
 127 41.1 32.3 48.5
 164 32.6 26.6 40.0

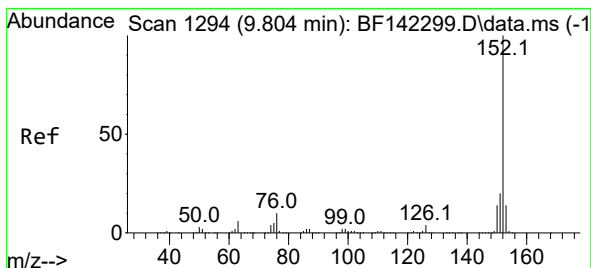
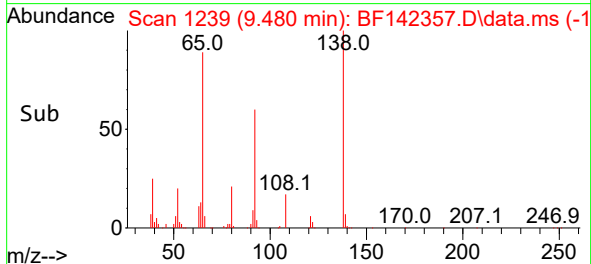
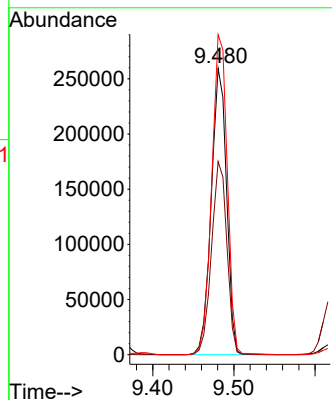
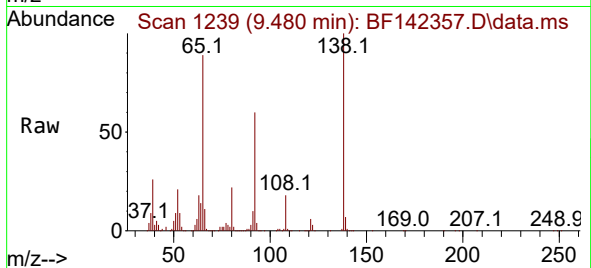




#48
2-Nitroaniline
Concen: 49.001 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

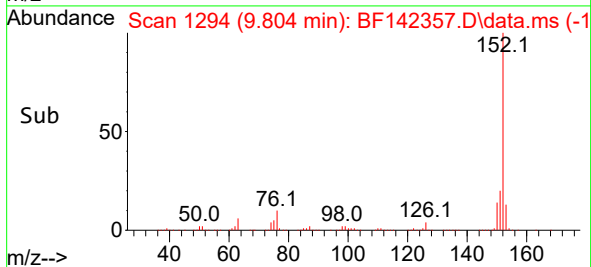
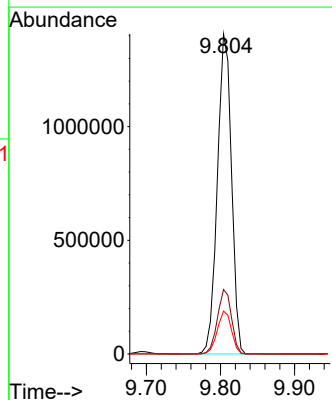
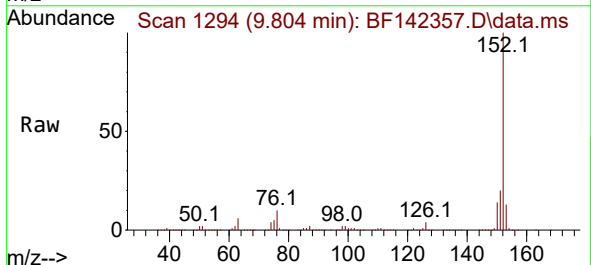
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

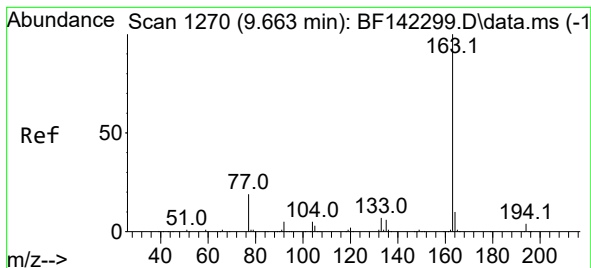
Tgt Ion: 65 Resp: 340347
Ion Ratio Lower Upper
65 100
92 67.5 52.3 78.5
138 111.8 85.6 128.4



#49
Acenaphthylene
Concen: 41.024 ng
RT: 9.804 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion: 152 Resp: 1859652
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.4 10.8 16.2





#50

Dimethylphthalate

Concen: 45.939 ng

RT: 9.663 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

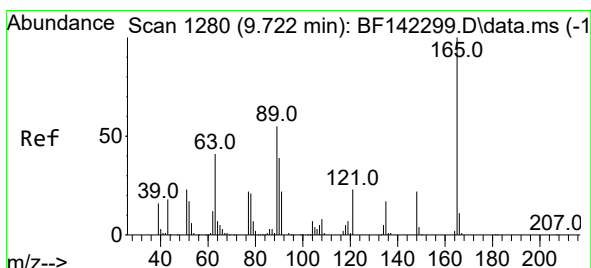
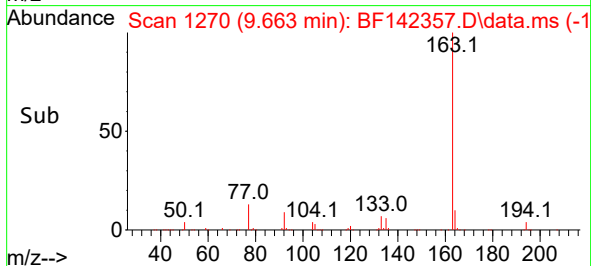
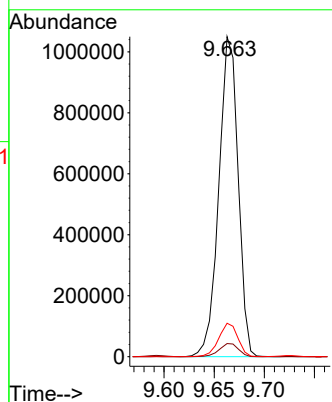
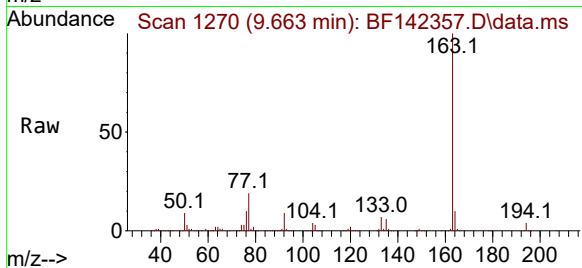
Tgt Ion:163 Resp: 1401844

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 10.4 8.3 12.5



#51

2,6-Dinitrotoluene

Concen: 51.119 ng

RT: 9.728 min Scan# 1281

Delta R.T. 0.006 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

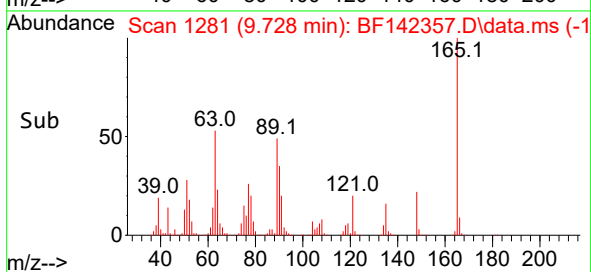
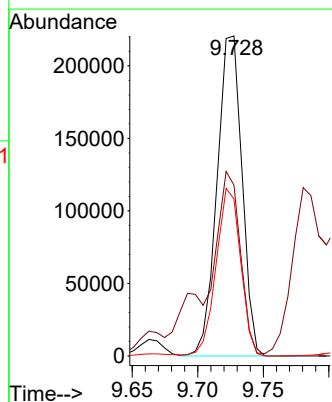
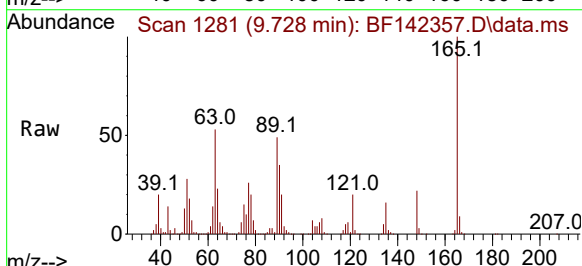
Tgt Ion:165 Resp: 291988

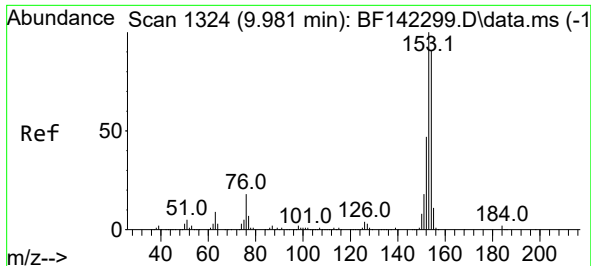
Ion Ratio Lower Upper

165 100

63 53.4 49.5 74.3

89 49.1 44.6 66.8

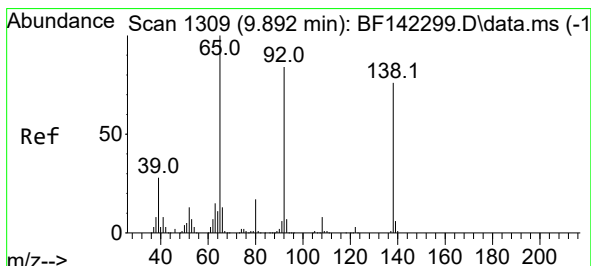
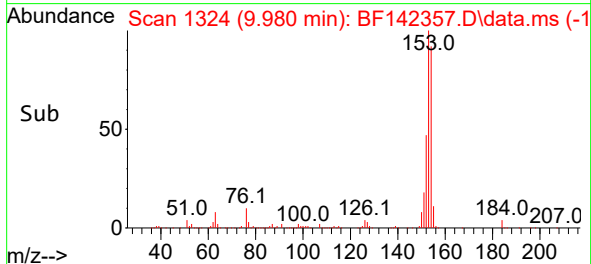
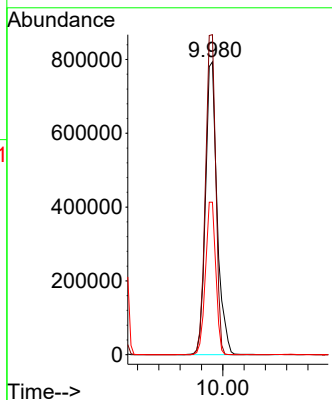
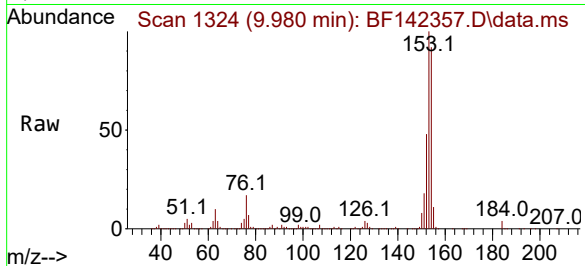




#52
Acenaphthene
Concen: 44.299 ng
RT: 9.980 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

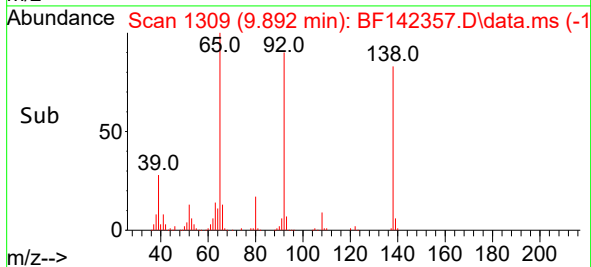
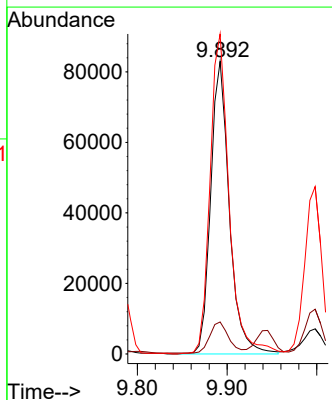
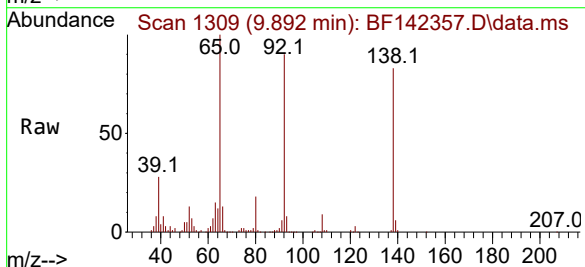
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

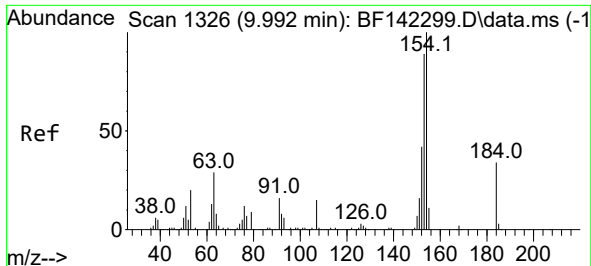
Tgt Ion:154 Resp: 1207434
Ion Ratio Lower Upper
154 100
153 109.3 88.0 132.0
152 52.1 41.6 62.4



#53
3-Nitroaniline
Concen: 17.913 ng
RT: 9.892 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:138 Resp: 120001
Ion Ratio Lower Upper
138 100
108 10.9 8.7 13.1
92 109.4 89.5 134.3

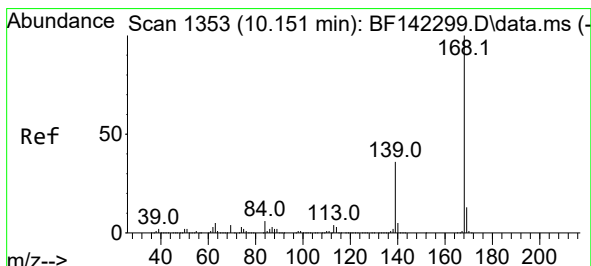
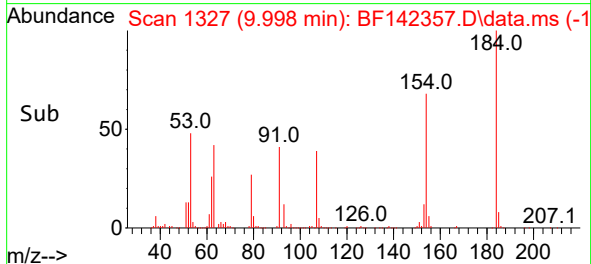
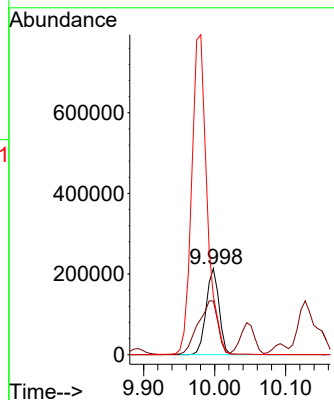
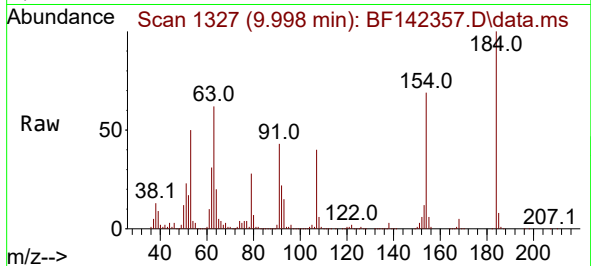




#54
2,4-Dinitrophenol
Concen: 90.004 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

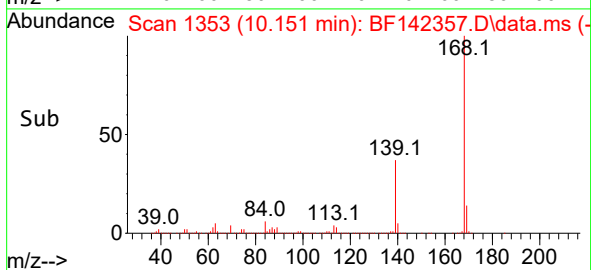
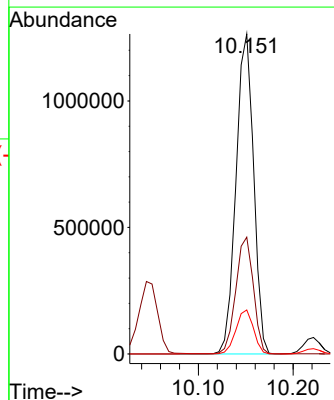
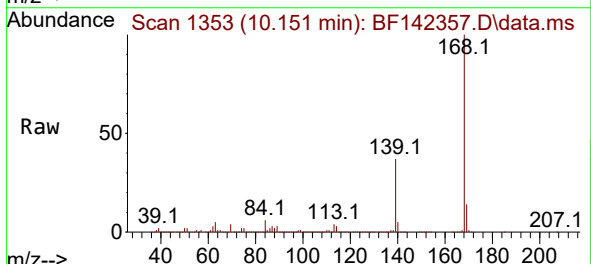
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

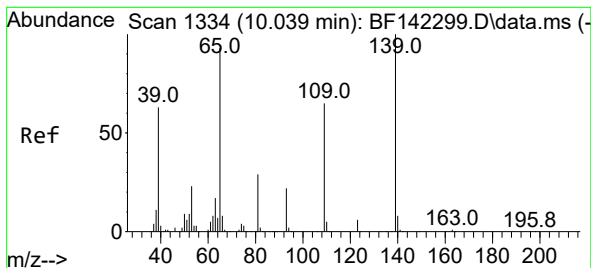
Tgt Ion:184 Resp: 272124
Ion Ratio Lower Upper
184 100
63 62.5 70.6 105.8#
154 68.6 257.2 385.8#



#55
Dibenzofuran
Concen: 40.531 ng
RT: 10.151 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:168 Resp: 1630397
Ion Ratio Lower Upper
168 100
139 36.5 29.0 43.4
169 13.8 10.7 16.1

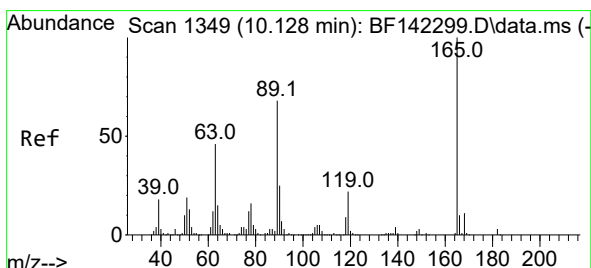
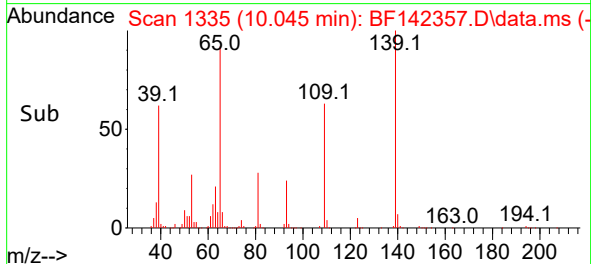
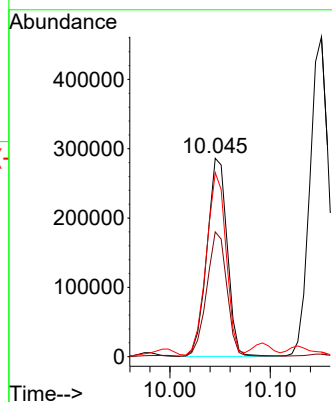
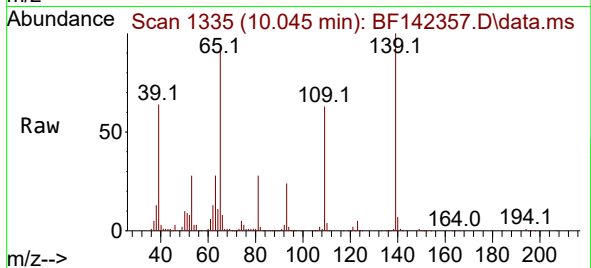




#56
4-Nitrophenol
Concen: 79.533 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

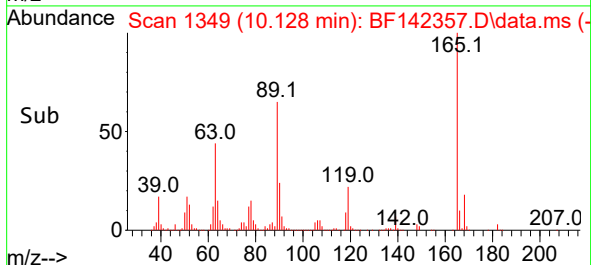
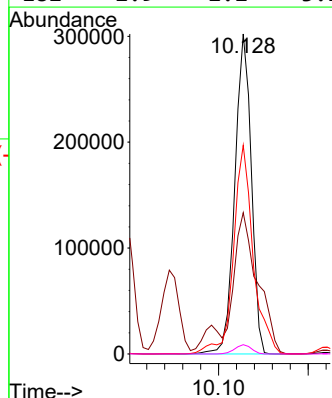
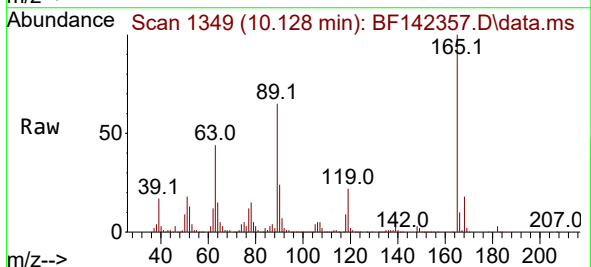
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

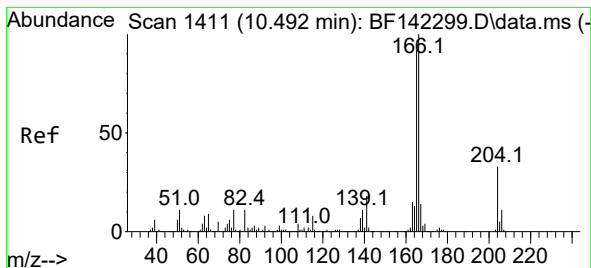
Tgt Ion:139 Resp: 400993
Ion Ratio Lower Upper
139 100
109 62.9 45.3 85.3
65 92.7 73.9 113.9



#57
2,4-Dinitrotoluene
Concen: 52.535 ng
RT: 10.128 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:165 Resp: 384914
Ion Ratio Lower Upper
165 100
63 44.2 37.1 55.7
89 65.2 54.4 81.6
182 2.9 2.2 3.2





#58

Fluorene

Concen: 39.727 ng

RT: 10.492 min Scan# 1411

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

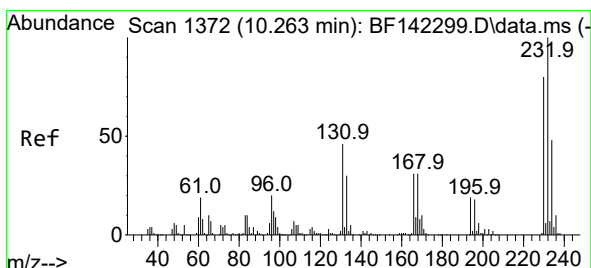
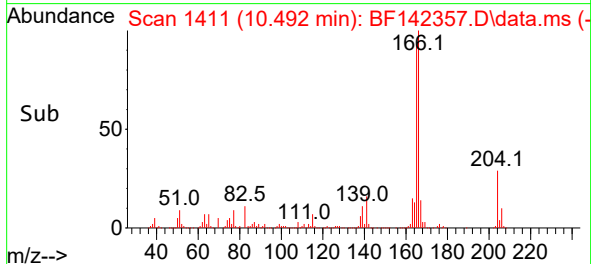
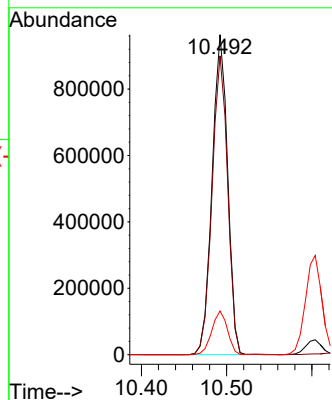
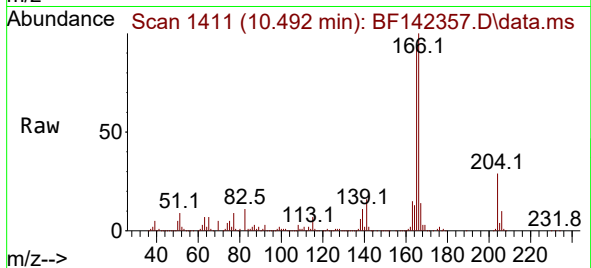
Tgt Ion:166 Resp: 1219550

Ion Ratio Lower Upper

166 100

165 93.4 74.0 111.0

167 13.7 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 45.600 ng

RT: 10.263 min Scan# 1372

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Tgt Ion:232 Resp: 335317

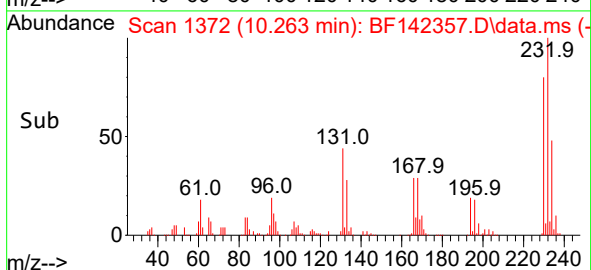
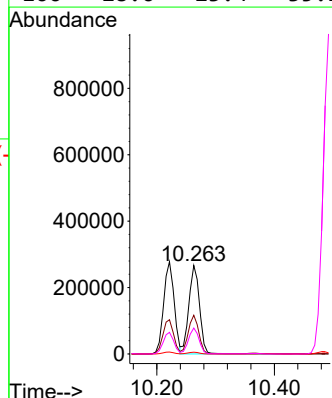
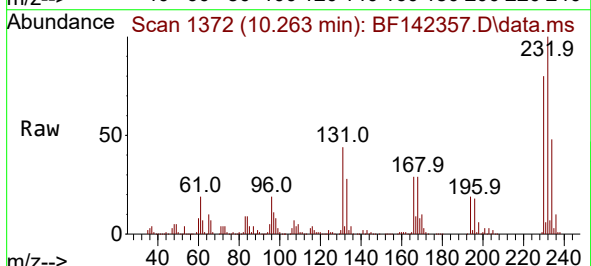
Ion Ratio Lower Upper

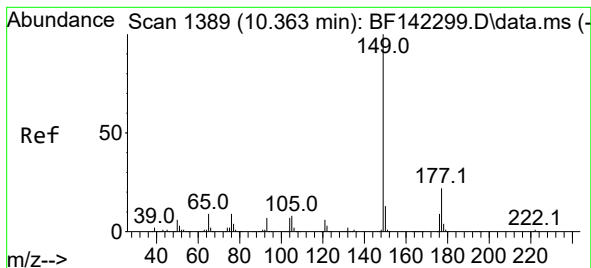
232 100

131 43.2 36.0 54.0

130 2.1 1.8 2.6

166 28.6 23.4 35.2





#60

Diethylphthalate

Concen: 44.618 ng

RT: 10.363 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

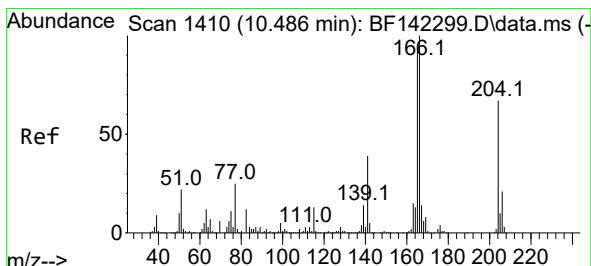
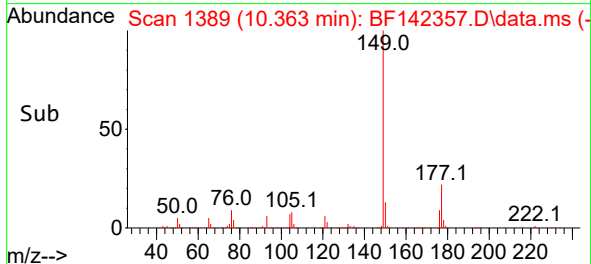
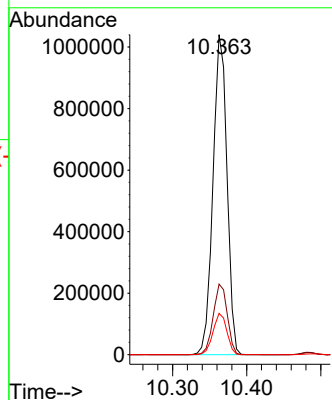
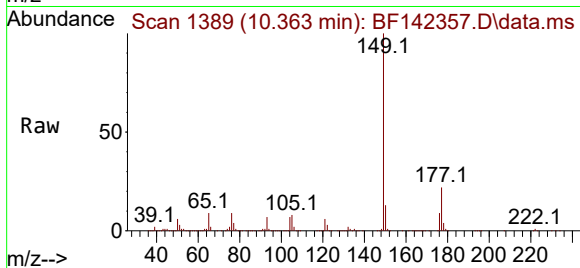
BNA_F

ClientSampleId :

VNJ-220MSD

Tgt Ion:149 Resp: 1359713

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.9	10.1	15.1



#61

4-Chlorophenyl-phenylether

Concen: 42.159 ng

RT: 10.480 min Scan# 1409

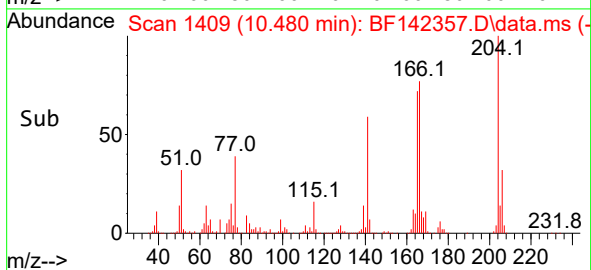
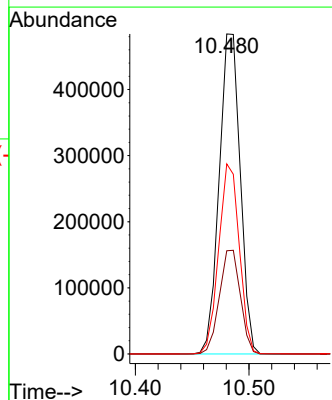
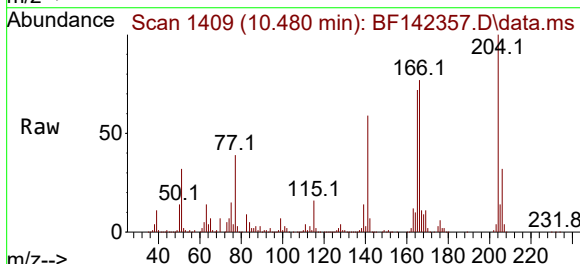
Delta R.T. -0.006 min

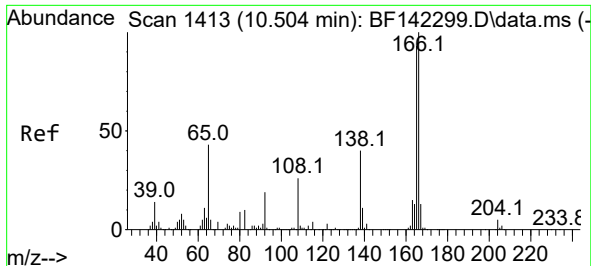
Lab File: BF142357.D

Acq: 13 May 2025 21:30

Tgt Ion:204 Resp: 624401

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.5	38.3
141	59.4	46.4	69.6

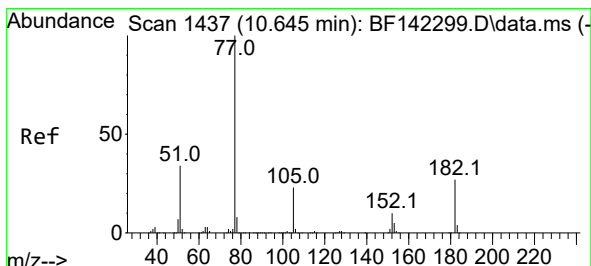
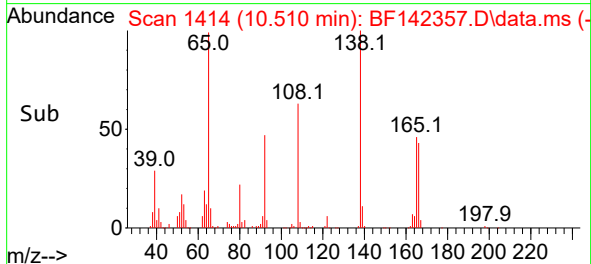
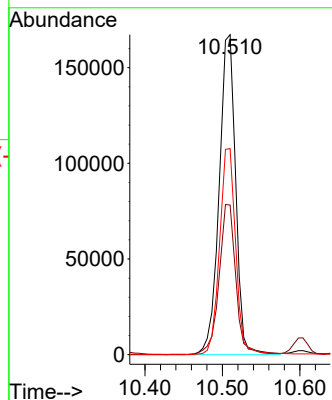
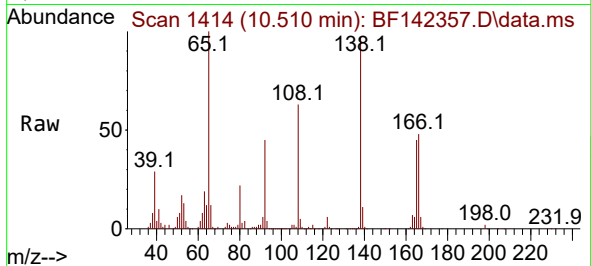




#62
4-Nitroaniline
Concen: 46.605 ng
RT: 10.510 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

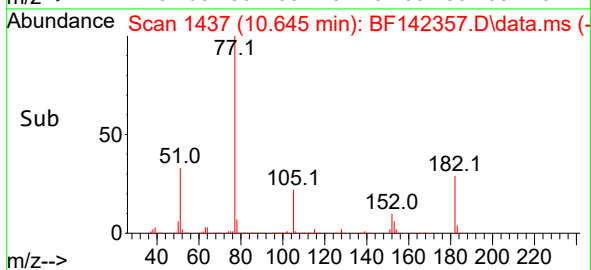
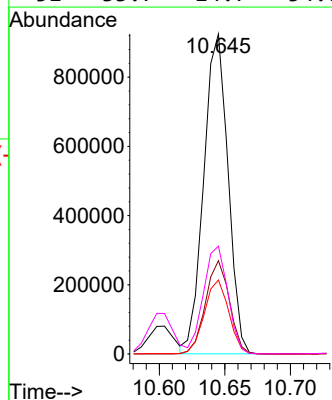
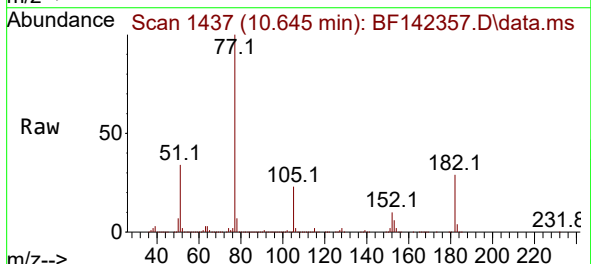
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

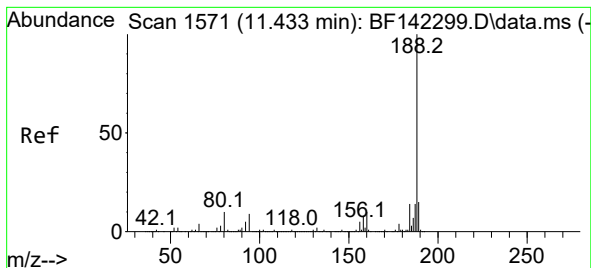
Tgt Ion:138 Resp: 247446
Ion Ratio Lower Upper
138 100
92 46.7 27.3 67.3
108 64.4 45.1 85.1



#63
Azobenzene
Concen: 40.938 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion: 77 Resp: 1192156
Ion Ratio Lower Upper
77 100
182 29.1 6.9 46.9
105 23.1 2.7 42.7
51 33.7 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

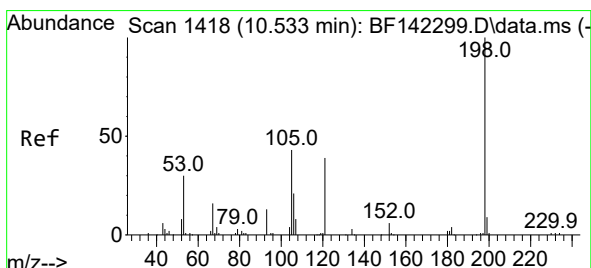
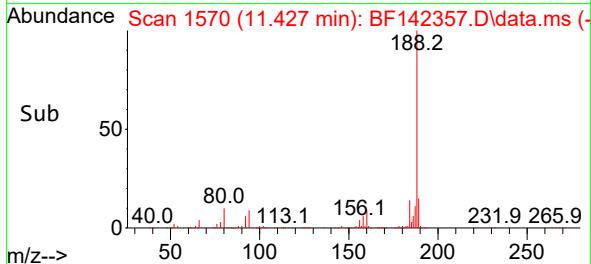
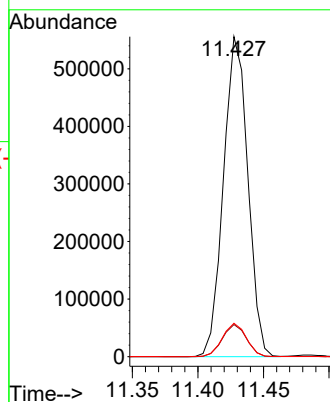
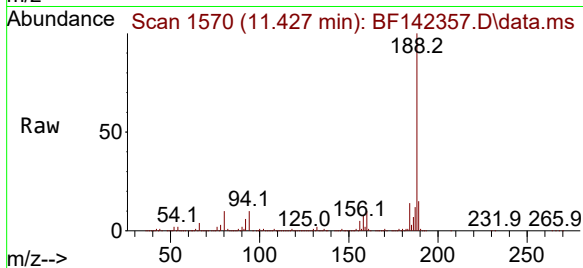
Tgt Ion:188 Resp: 717979

Ion Ratio Lower Upper

188 100

94 10.0 7.5 11.3

80 10.4 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 50.082 ng

RT: 10.533 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

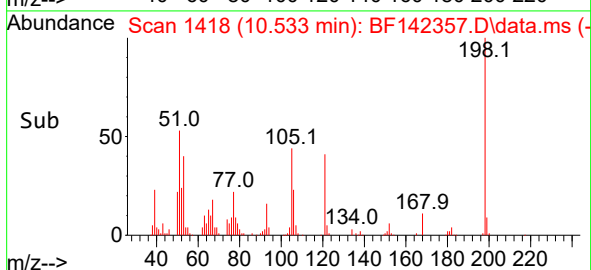
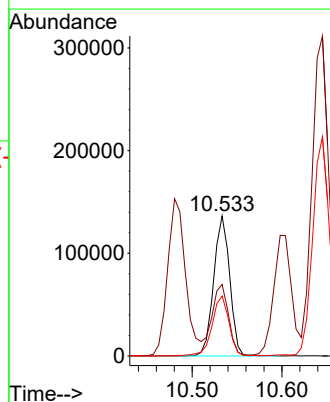
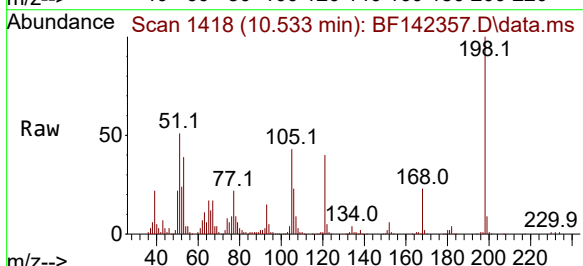
Tgt Ion:198 Resp: 168843

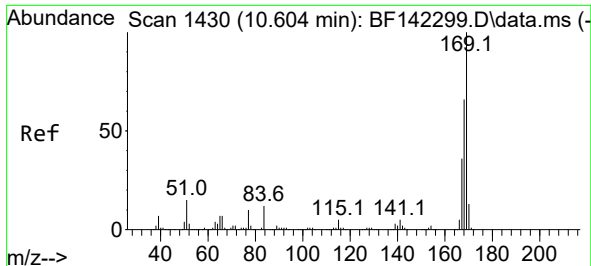
Ion Ratio Lower Upper

198 100

51 51.1 32.9 72.9

105 42.9 23.7 63.7

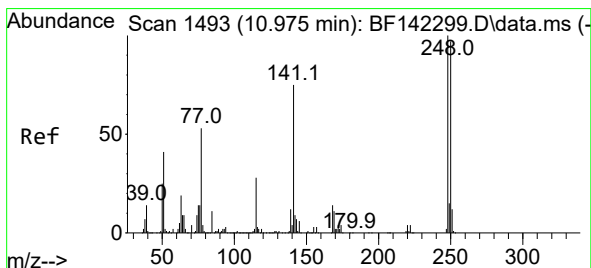
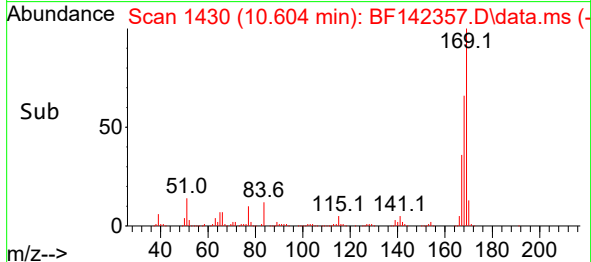
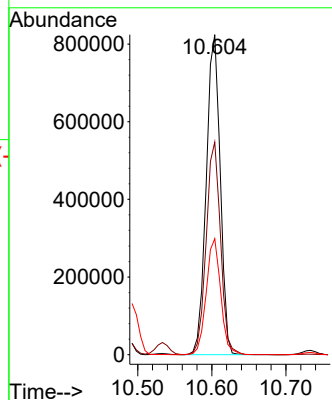
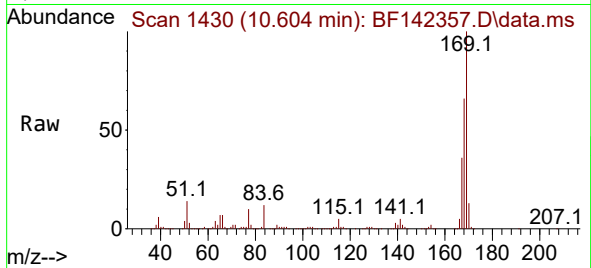




#66
n-Nitrosodiphenylamine
Concen: 45.176 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

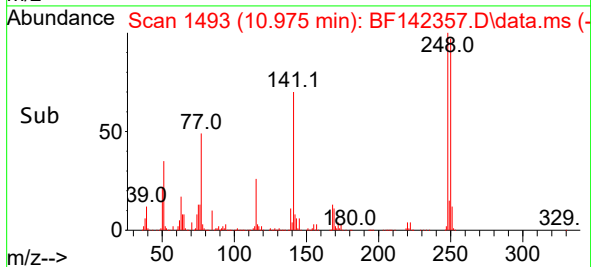
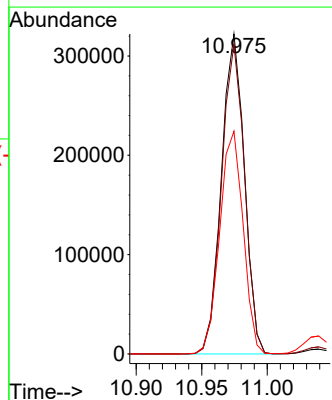
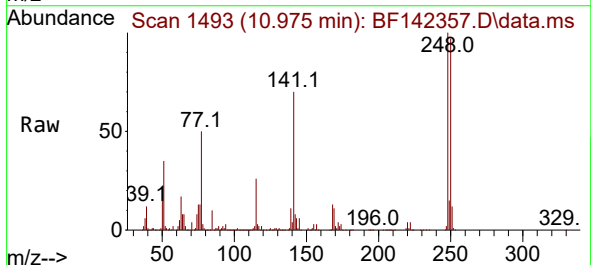
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

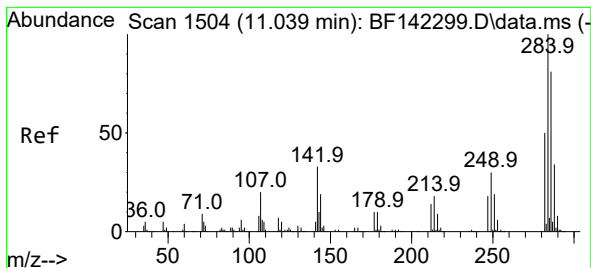
Tgt Ion:169 Resp: 1079324
Ion Ratio Lower Upper
169 100
168 66.4 53.2 79.8
167 36.2 28.9 43.3



#67
4-Bromophenyl-phenylether
Concen: 48.283 ng
RT: 10.975 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:248 Resp: 392880
Ion Ratio Lower Upper
248 100
250 96.8 77.9 116.9
141 69.6 59.8 89.8





#68

Hexachlorobenzene

Concen: 46.292 ng

RT: 11.039 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

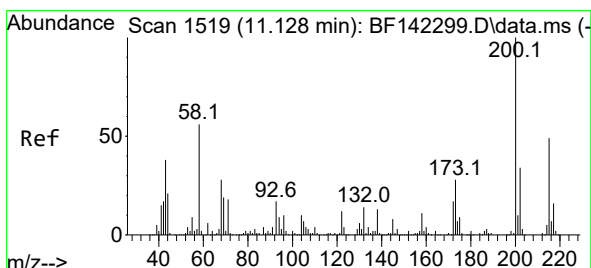
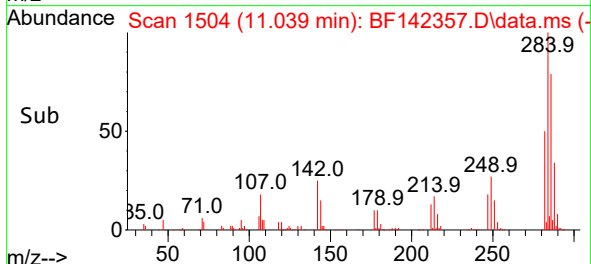
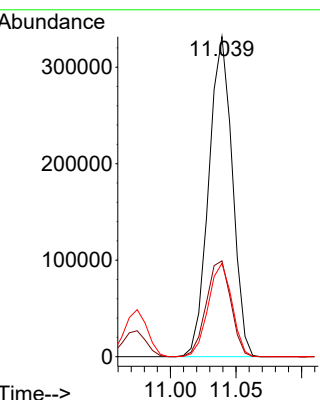
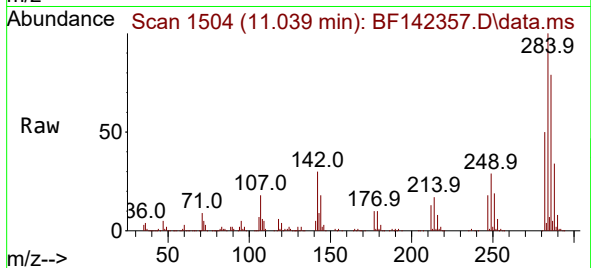
Tgt Ion:284 Resp: 414346

Ion Ratio Lower Upper

284 100

142 29.9 26.6 39.8

249 29.2 24.1 36.1



#69

Atrazine

Concen: 35.199 ng

RT: 11.127 min Scan# 1519

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

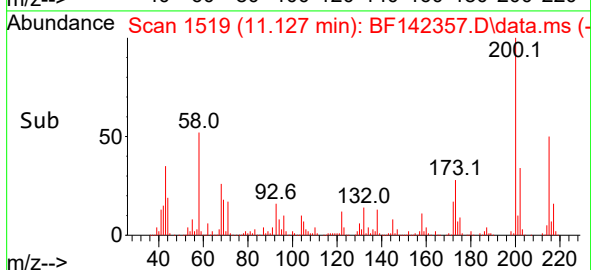
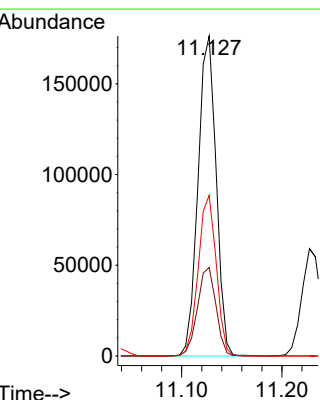
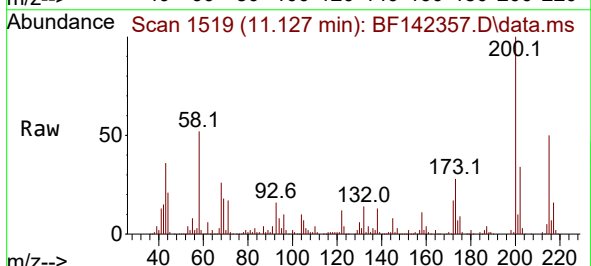
Tgt Ion:200 Resp: 221679

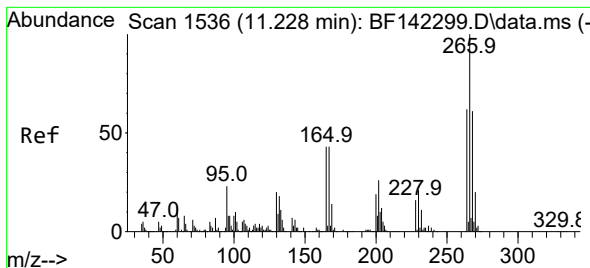
Ion Ratio Lower Upper

200 100

173 27.6 8.1 48.1

215 50.2 28.8 68.8





#70

Pentachlorophenol

Concen: 94.879 ng

RT: 11.227 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

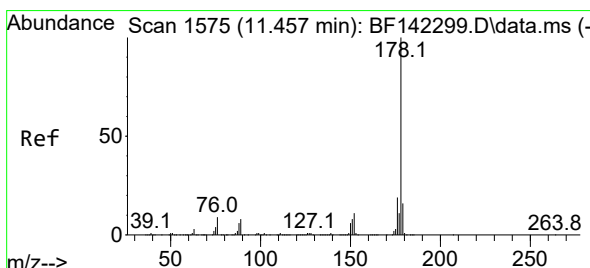
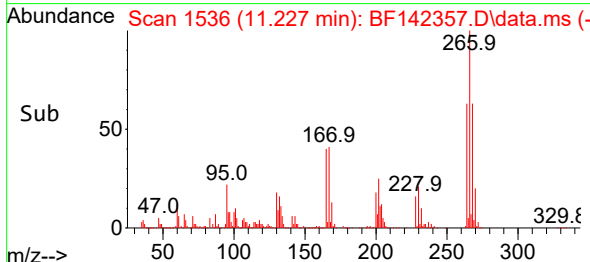
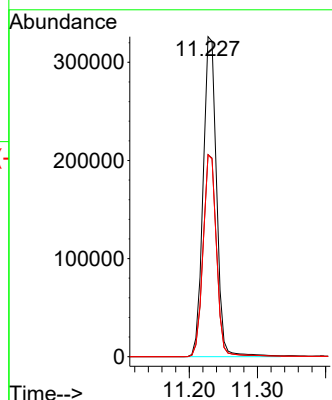
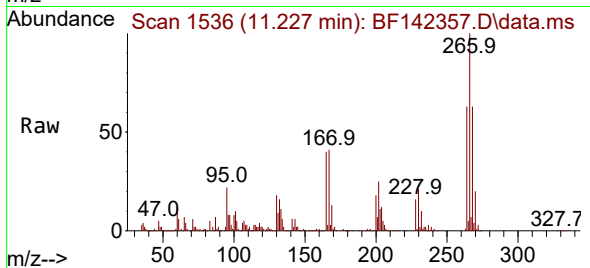
Tgt Ion:266 Resp: 446756

Ion Ratio Lower Upper

266 100

268 63.1 48.7 73.1

264 63.0 49.8 74.6



#71

Phenanthrene

Concen: 42.821 ng

RT: 11.457 min Scan# 1575

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

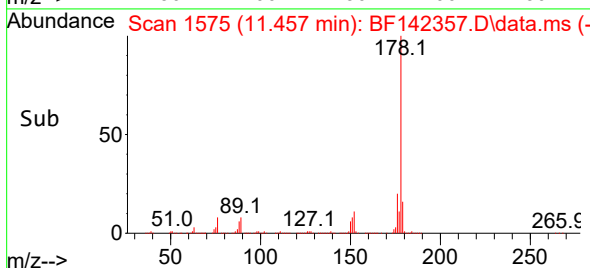
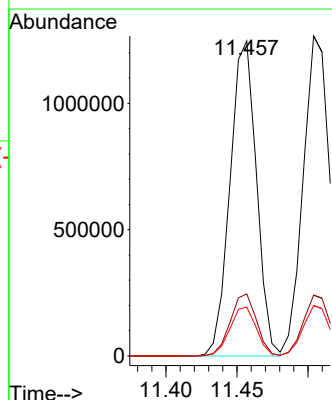
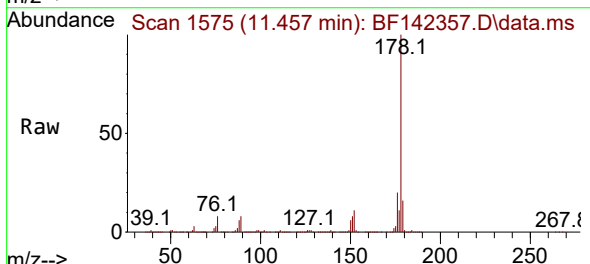
Tgt Ion:178 Resp: 1611570

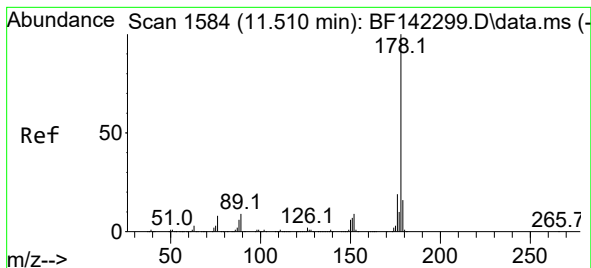
Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

179 15.5 12.6 18.8





#72

Anthracene

Concen: 42.384 ng

RT: 11.504 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

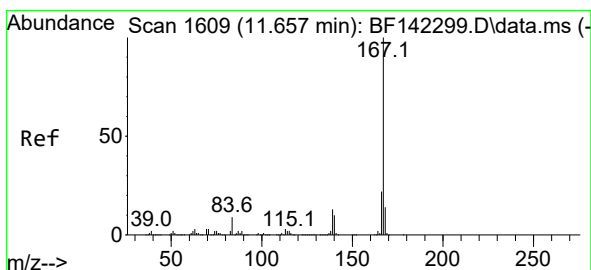
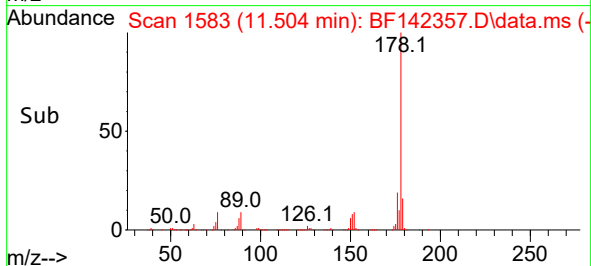
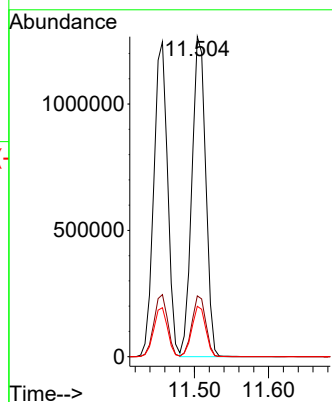
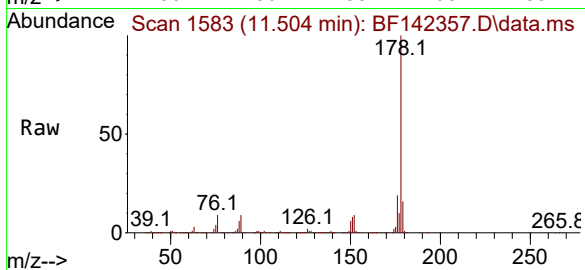
Tgt Ion:178 Resp: 1638959

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.8 12.6 18.8



#73

Carbazole

Concen: 39.821 ng

RT: 11.657 min Scan# 1609

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

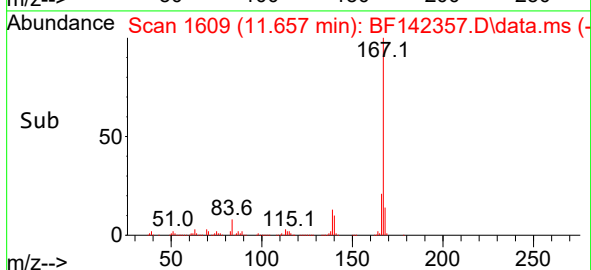
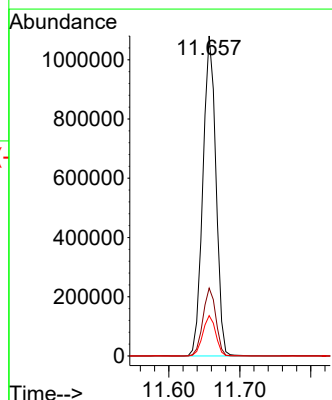
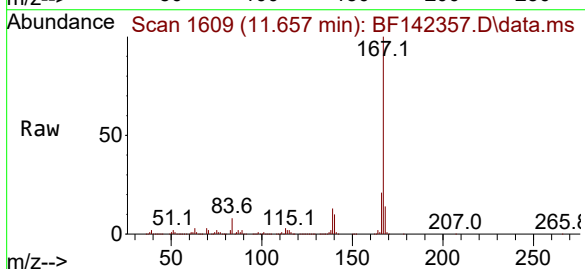
Tgt Ion:167 Resp: 1381500

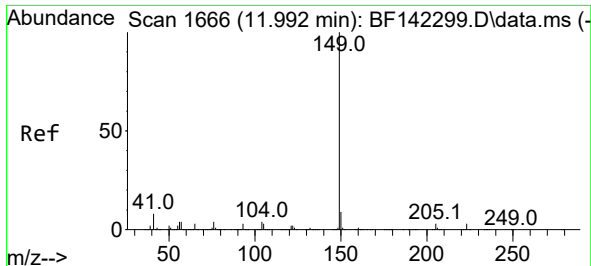
Ion Ratio Lower Upper

167 100

166 21.2 17.2 25.8

139 12.6 10.3 15.5

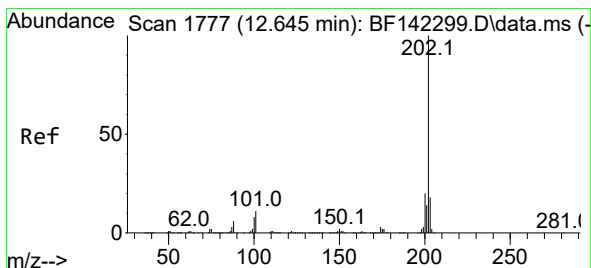
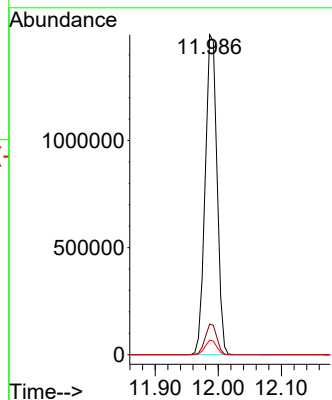
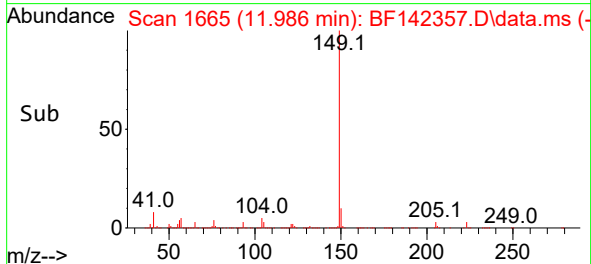
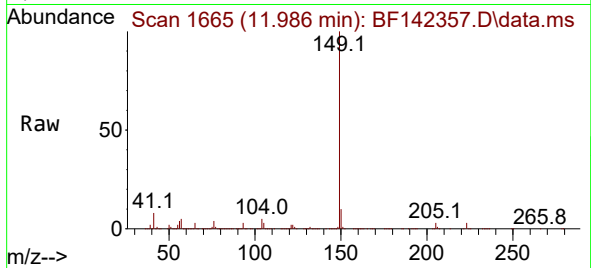




#74
Di-n-butylphthalate
Concen: 53.328 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

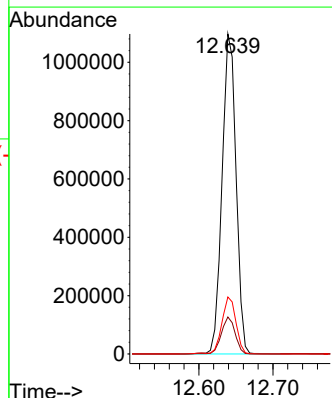
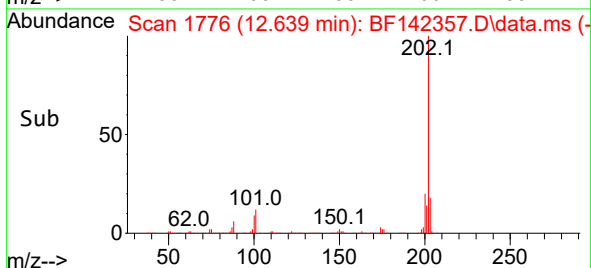
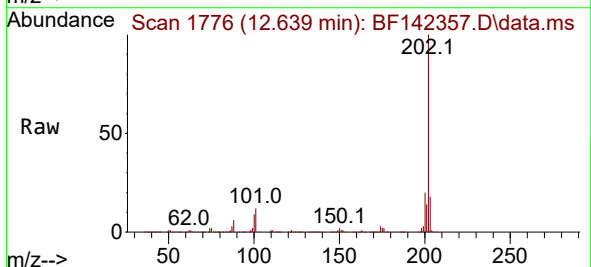
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

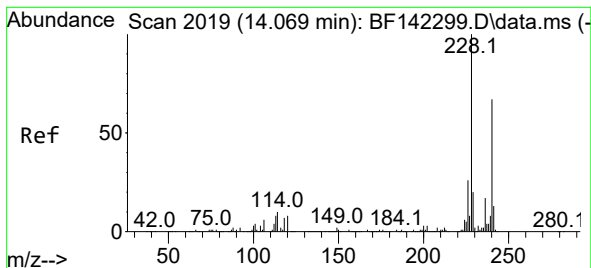
Tgt Ion:149 Resp: 1945443
Ion Ratio Lower Upper
149 100
150 9.6 7.5 11.3
104 4.5 3.6 5.4



#75
Fluoranthene
Concen: 38.260 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:202 Resp: 1439366
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 17.8 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

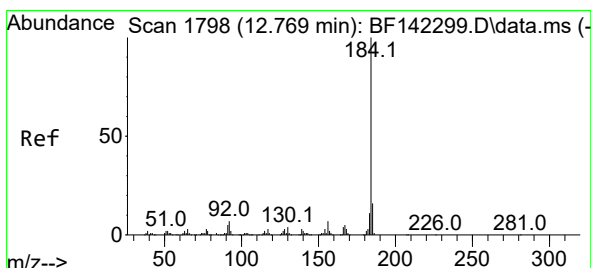
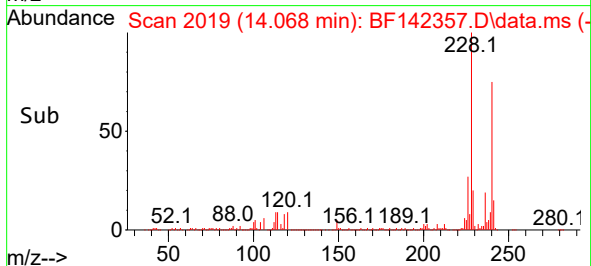
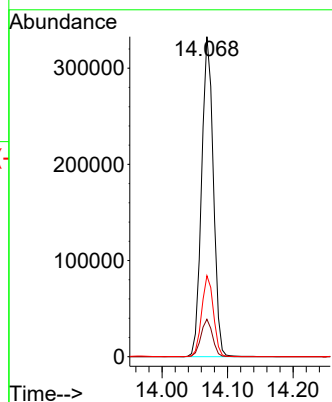
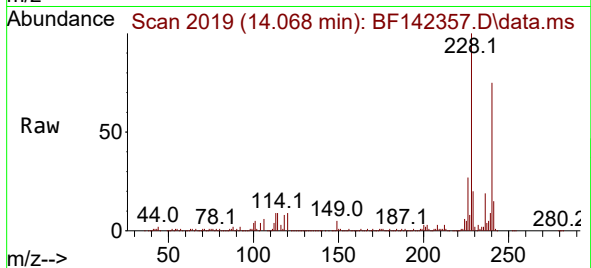
Tgt Ion:240 Resp: 415381

Ion Ratio Lower Upper

240 100

120 11.7 9.7 14.5

236 25.3 20.0 30.0



#77

Benzydine

Concen: 8.370 ng

RT: 12.769 min Scan# 1798

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

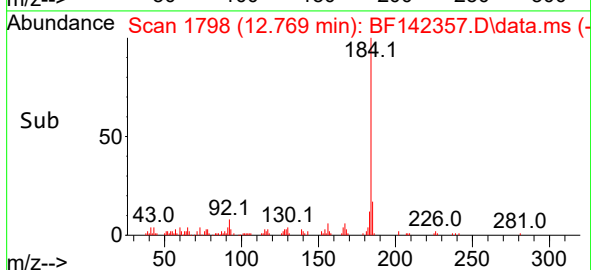
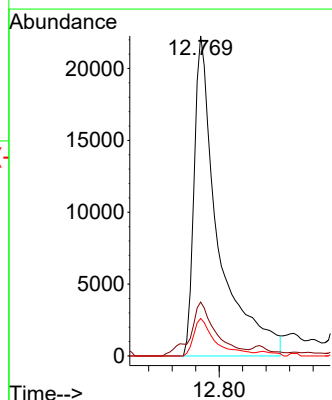
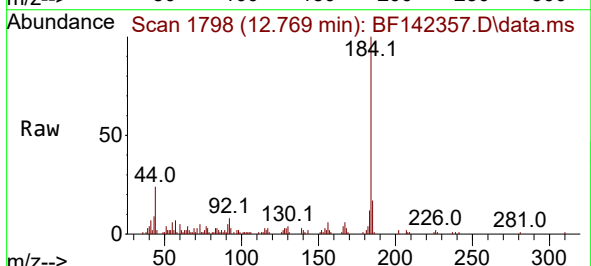
Tgt Ion:184 Resp: 63185

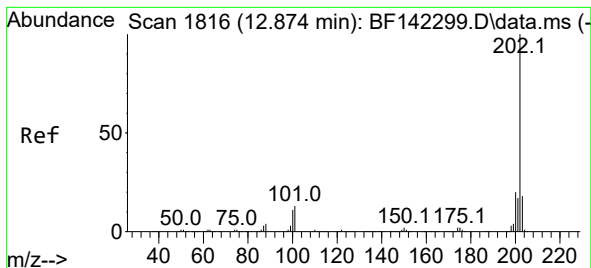
Ion Ratio Lower Upper

184 100

185 16.9 12.6 18.8

183 11.7 8.6 12.8





#78

Pyrene

Concen: 37.946 ng

RT: 12.868 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

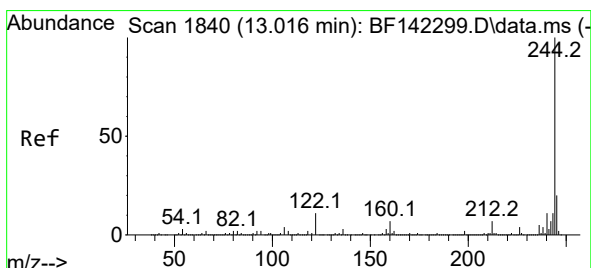
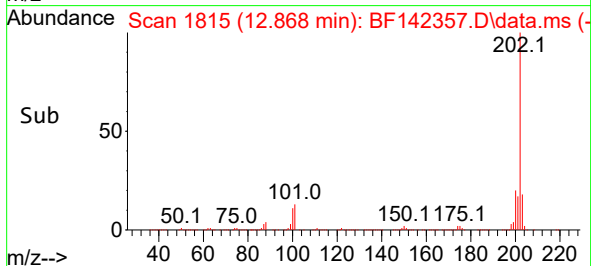
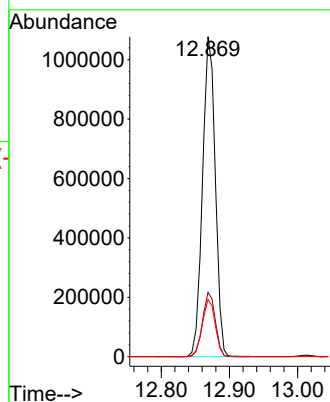
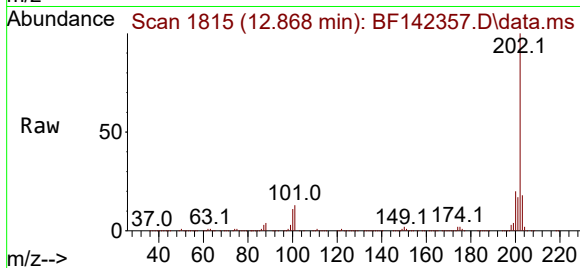
Tgt Ion:202 Resp: 1402973

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.4

203 17.9 14.3 21.5



#79

Terphenyl-d14

Concen: 68.434 ng

RT: 13.016 min Scan# 1840

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

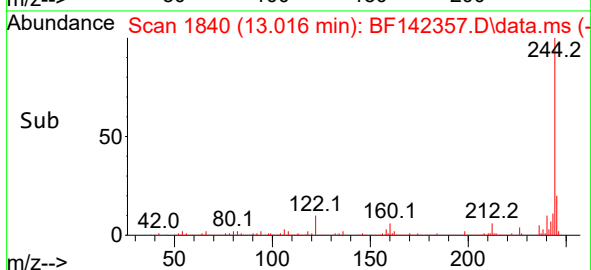
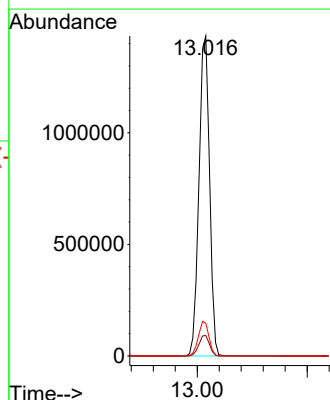
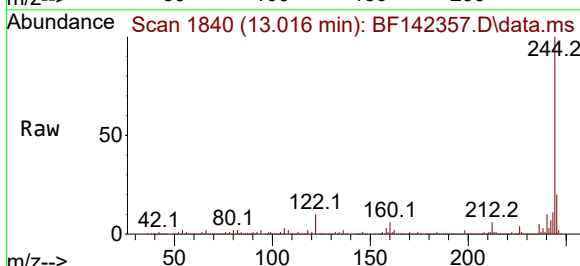
Tgt Ion:244 Resp: 1920539

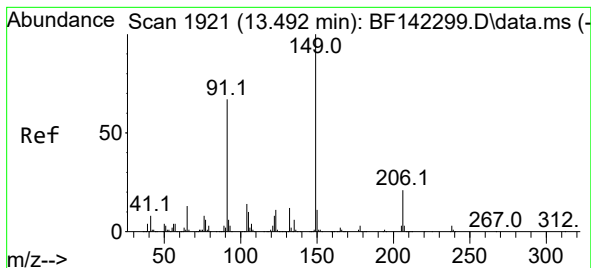
Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 10.2 9.0 13.4





#80

Butylbenzylphthalate

Concen: 53.586 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

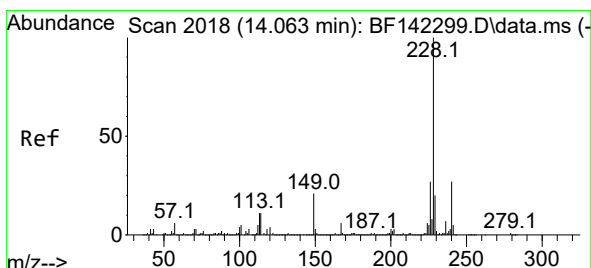
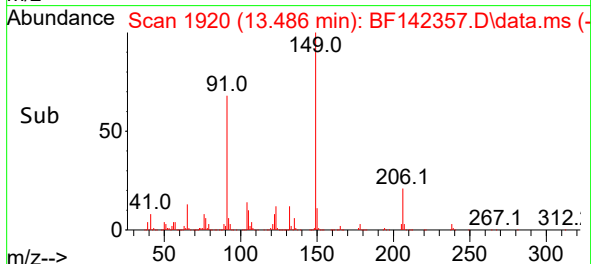
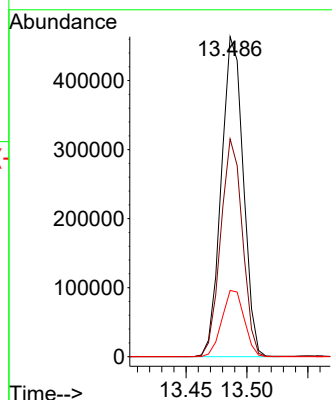
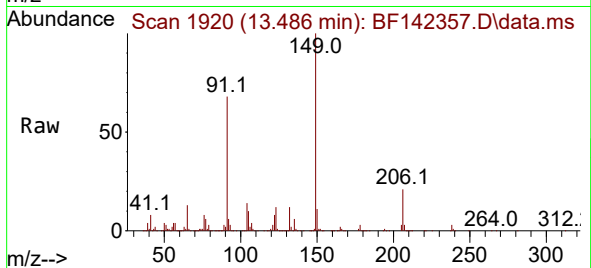
Tgt Ion:149 Resp: 583166

Ion Ratio Lower Upper

149 100

91 68.0 53.8 80.6

206 20.7 16.6 24.8



#81

Benzo(a)anthracene

Concen: 43.262 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

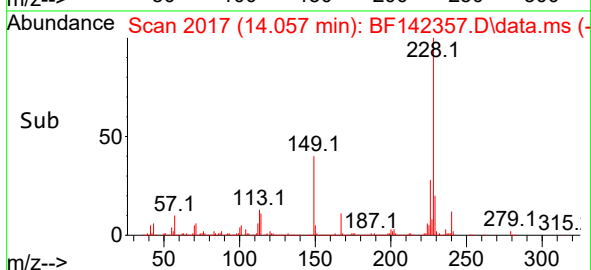
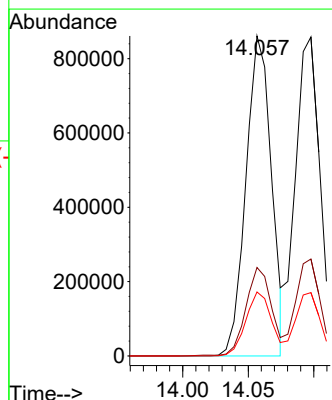
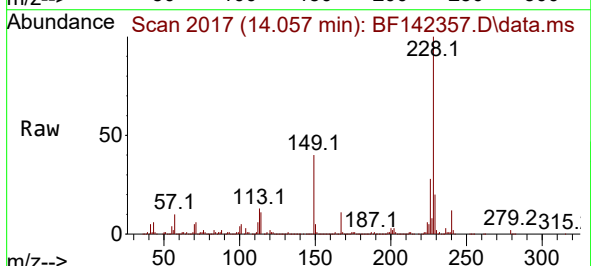
Tgt Ion:228 Resp: 1163771

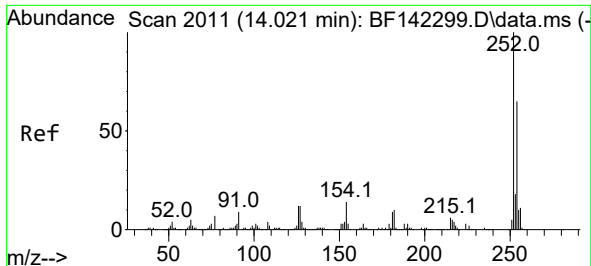
Ion Ratio Lower Upper

228 100

226 27.6 21.5 32.3

229 20.0 15.9 23.9

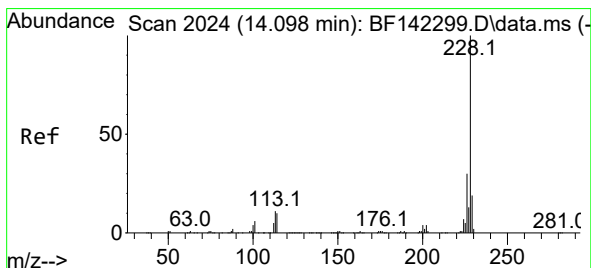
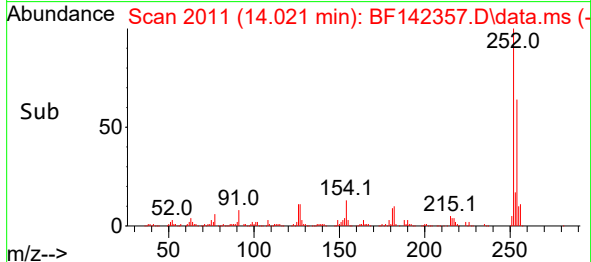
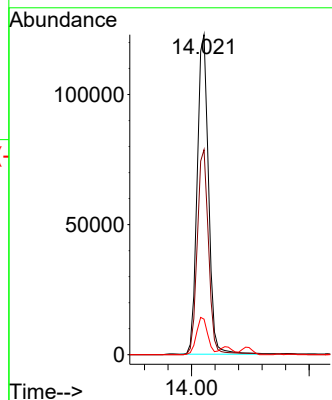
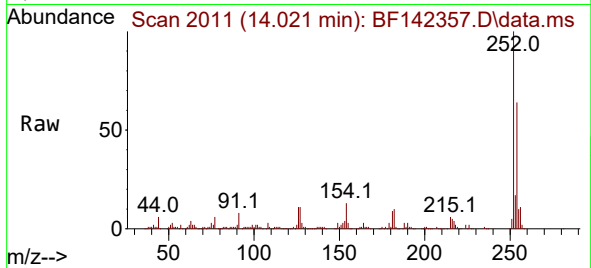




#82
3,3'-Dichlorobenzidine
Concen: 26.331 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

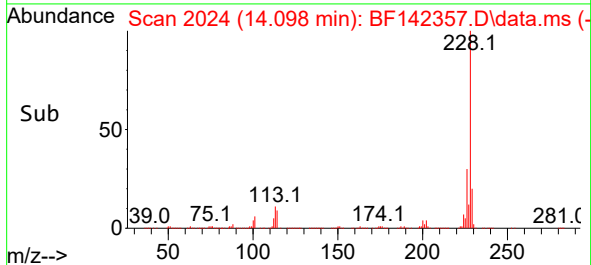
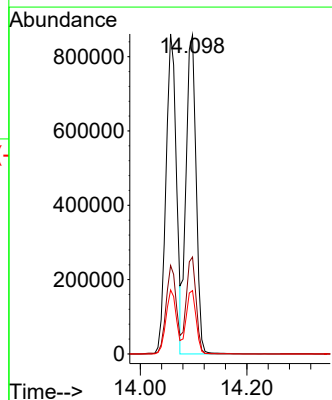
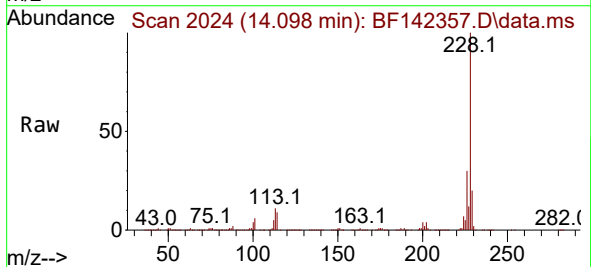
Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

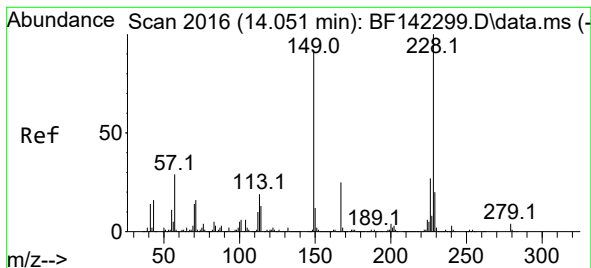
Tgt Ion:252 Resp: 164721
Ion Ratio Lower Upper
252 100
254 64.1 52.0 78.0
126 11.1 9.7 14.5



#83
Chrysene
Concen: 44.799 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:228 Resp: 1121886
Ion Ratio Lower Upper
228 100
226 30.4 23.9 35.9
229 19.9 15.4 23.2

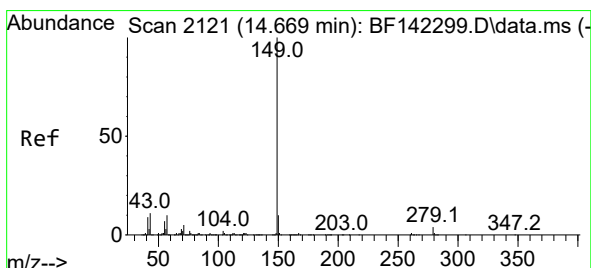
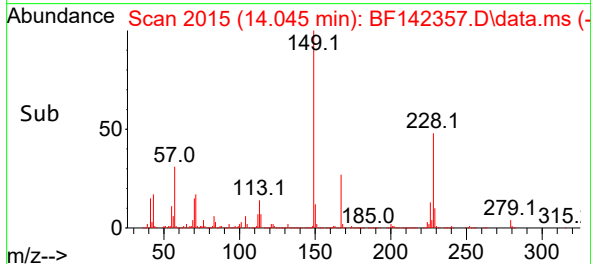
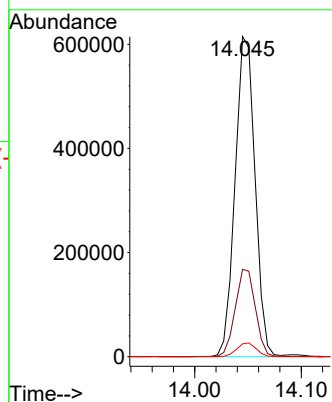
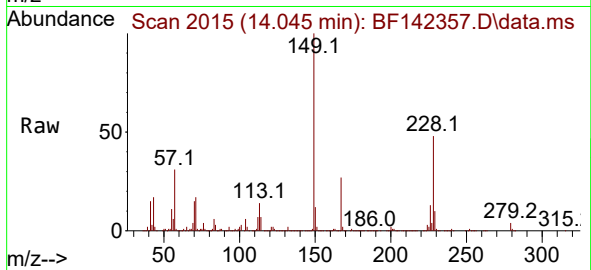




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 56.209 ng
 RT: 14.045 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF142357.D
 Acq: 13 May 2025 21:30

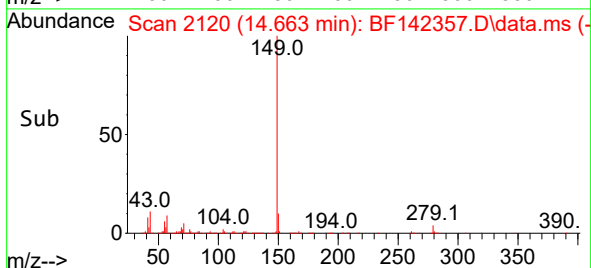
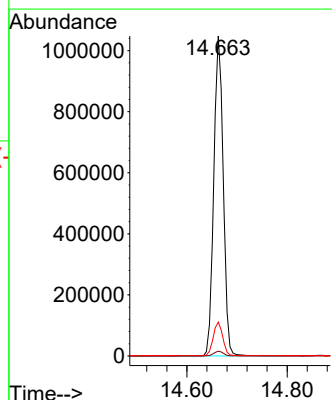
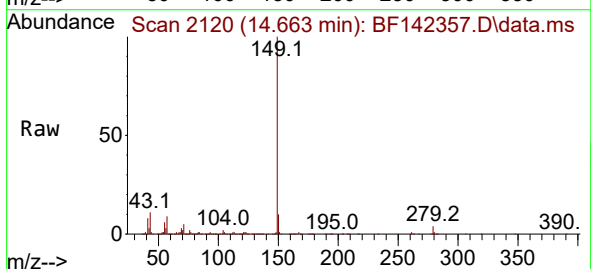
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220MSD

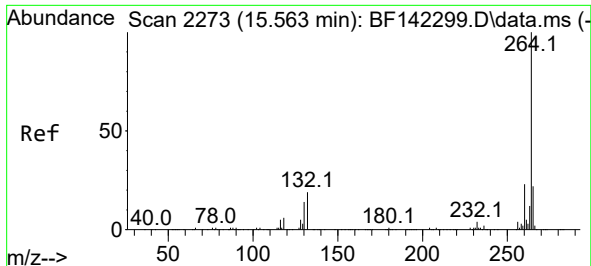
Tgt Ion:149 Resp: 800985
 Ion Ratio Lower Upper
 149 100
 167 27.3 22.0 33.0
 279 4.0 3.0 4.6



#85
 Di-n-octyl phthalate
 Concen: 53.071 ng
 RT: 14.663 min Scan# 2120
 Delta R.T. -0.007 min
 Lab File: BF142357.D
 Acq: 13 May 2025 21:30

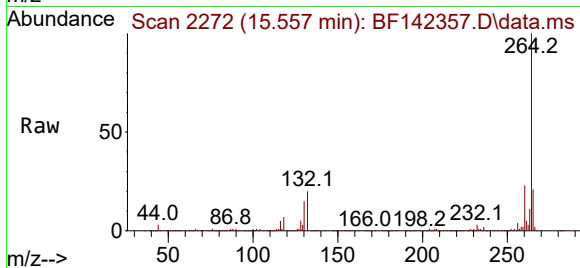
Tgt Ion:149 Resp: 1369610
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.1 1.7
 43 10.6 9.2 13.8



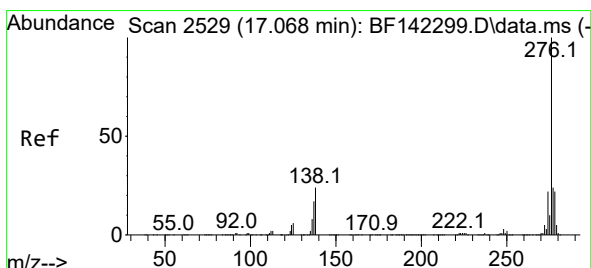
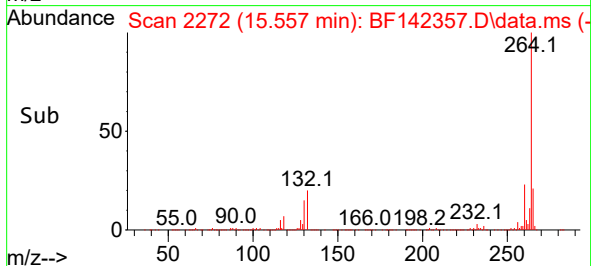
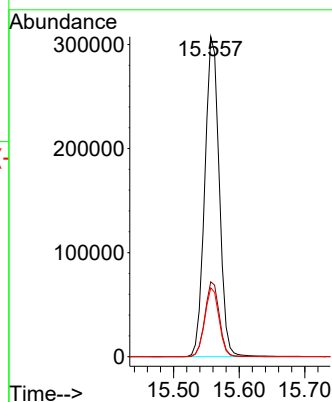


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Instrument :
BNA_F
ClientSampleId :
VNJ-220MSD

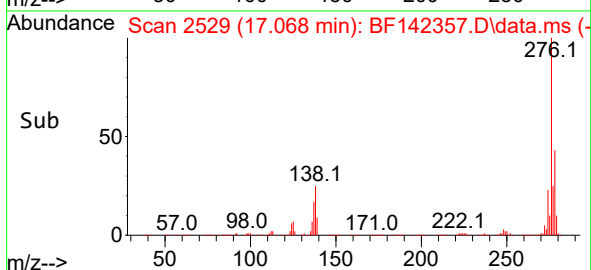
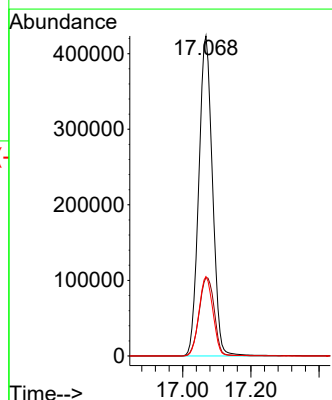
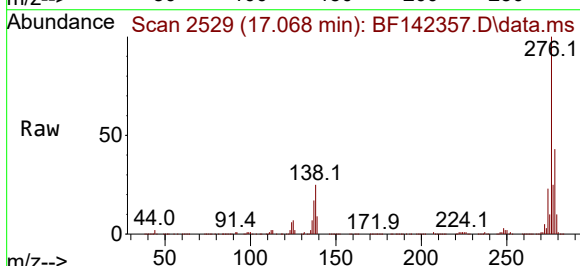


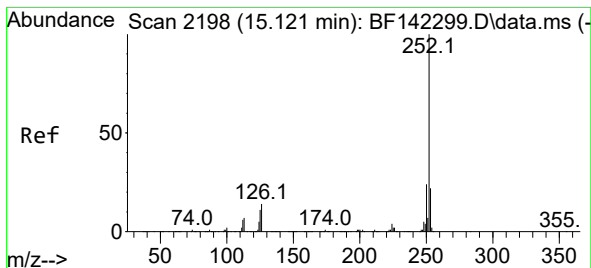
Tgt Ion:264 Resp: 472241
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.5 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 35.985 ng
RT: 17.068 min Scan# 2529
Delta R.T. -0.000 min
Lab File: BF142357.D
Acq: 13 May 2025 21:30

Tgt Ion:276 Resp: 1182113
Ion Ratio Lower Upper
276 100
138 27.1 22.0 33.0
277 25.4 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 42.297 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

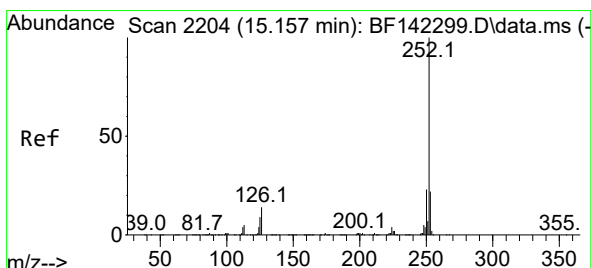
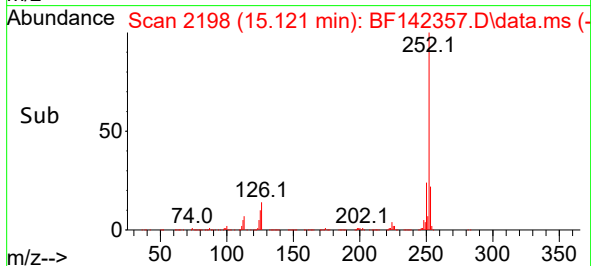
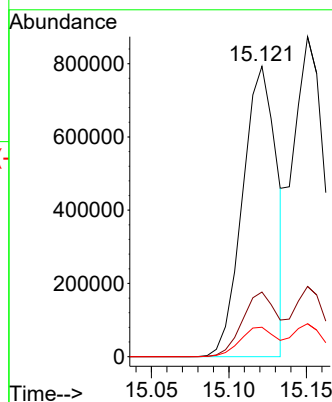
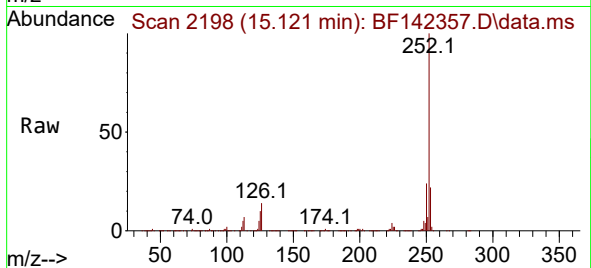
Tgt Ion:252 Resp: 1209754

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 10.2 8.7 13.1



#89

Benzo(k)fluoranthene

Concen: 47.101 ng

RT: 15.151 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

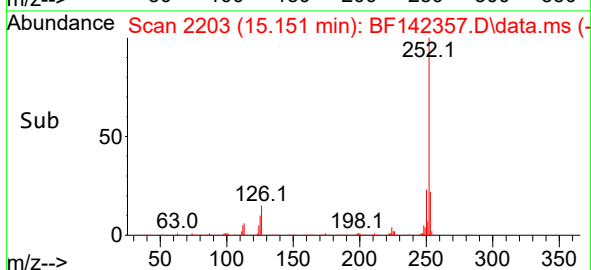
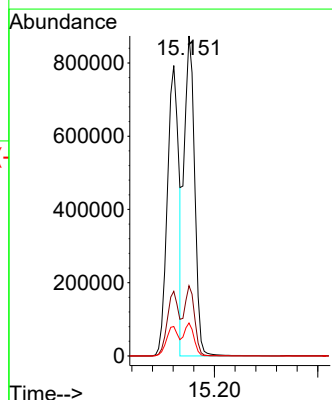
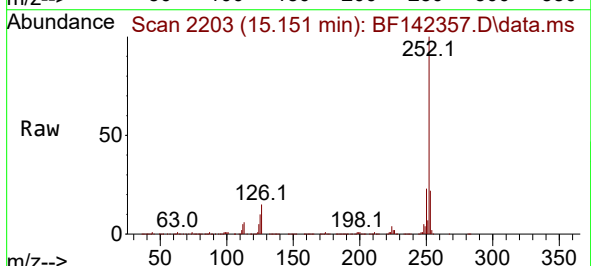
Tgt Ion:252 Resp: 1232834

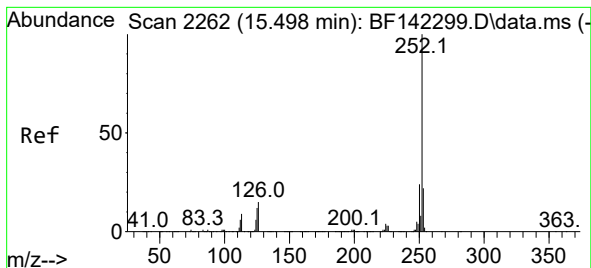
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.3 8.1 12.1





#90

Benzo(a)pyrene

Concen: 46.081 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD

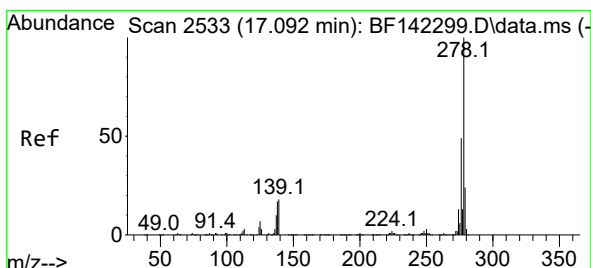
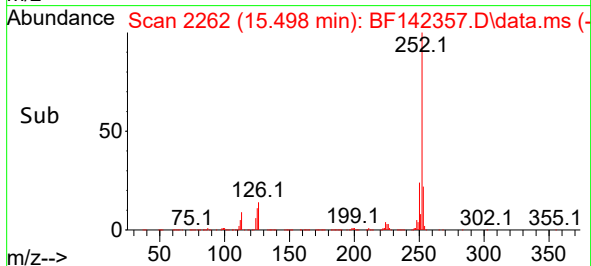
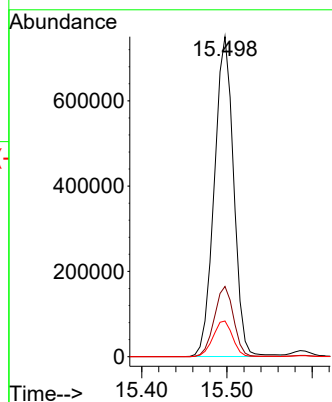
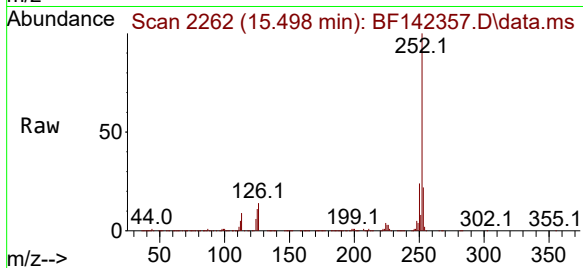
Tgt Ion:252 Resp: 1181056

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 11.2 9.4 14.0



#91

Dibenzo(a,h)anthracene

Concen: 36.489 ng

RT: 17.086 min Scan# 2532

Delta R.T. -0.006 min

Lab File: BF142357.D

Acq: 13 May 2025 21:30

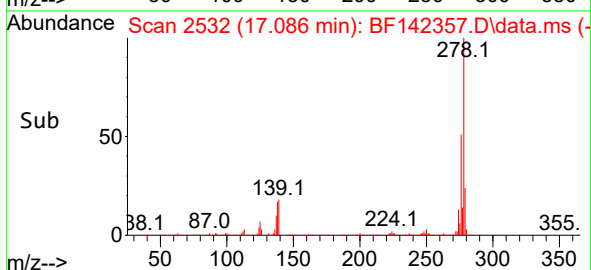
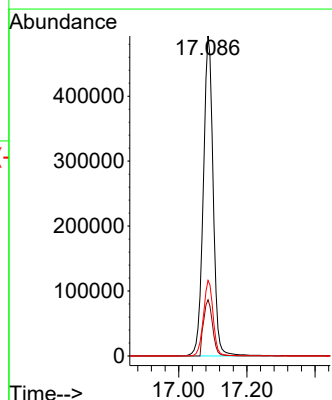
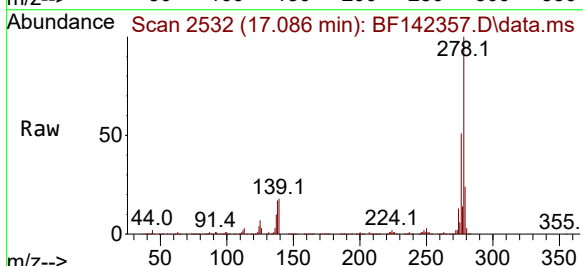
Tgt Ion:278 Resp: 990307

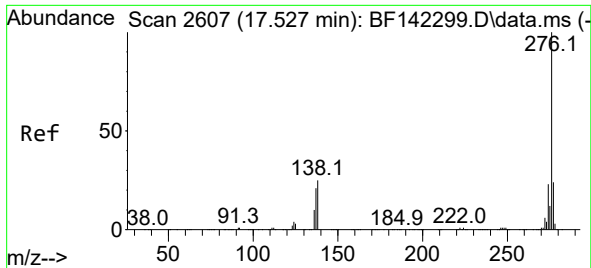
Ion Ratio Lower Upper

278 100

139 17.5 14.5 21.7

279 23.6 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 32.258 ng

RT: 17.521 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142357.D

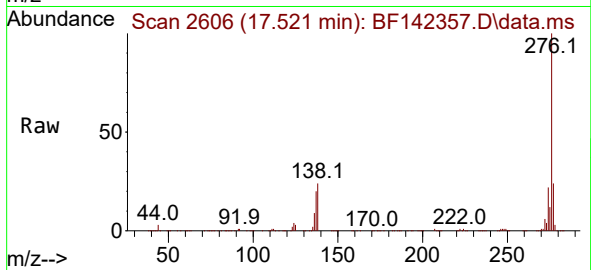
Acq: 13 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

VNJ-220MSD



Tgt Ion:276 Resp: 868911

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 23.9 19.8 29.6

