

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143313.D
 Acq On : 05 Aug 2025 13:59
 Operator : RC/JU
 Sample : Q2734-01MS 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-253MS

Quant Time: Aug 05 19:35:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	130860	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	486158	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	224868	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	312204	20.000	ng	0.00
76) Chrysene-d12	14.133	240	241353	20.000	ng	0.01
86) Perylene-d12	15.645	264	186398	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	333444	40.323	ng	0.01
7) Phenol-d6	6.592	99	435211	41.813	ng	0.00
23) Nitrobenzene-d5	7.516	82	275271	28.224	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	83476	35.934	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	484848	29.488	ng	0.00
79) Terphenyl-d14	13.069	244	381121	23.499	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	65474	16.733	ng	99
3) Pyridine	3.604	79	164496	16.197	ng	98
4) n-Nitrosodimethylamine	3.528	42	97480	18.590	ng	97
6) Aniline	6.622	93	84409	5.819	ng	# 83
8) 2-Chlorophenol	6.751	128	169608	19.567	ng	97
9) Benzaldehyde	6.510	77	105300	13.492	ng	98
10) Phenol	6.604	94	218878	19.303	ng	100
11) bis(2-Chloroethyl)ether	6.692	93	182838	21.060	ng	97
12) 1,3-Dichlorobenzene	6.904	146	177685	18.870	ng	100
13) 1,4-Dichlorobenzene	6.981	146	179746	18.955	ng	99
14) 1,2-Dichlorobenzene	7.134	146	173303	19.215	ng	99
15) Benzyl Alcohol	7.098	79	153915	19.367	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	318887	19.800	ng	97
17) 2-Methylphenol	7.216	107	139737	19.173	ng	99
18) Hexachloroethane	7.481	117	52594	16.021	ng	98
19) n-Nitroso-di-n-propyla...	7.369	70	126399	18.928	ng	98
20) 3+4-Methylphenols	7.363	107	176660	19.978	ng	# 69
22) Acetophenone	7.363	105	234736	20.394	ng	# 95
24) Nitrobenzene	7.539	77	185250	20.373	ng	100
25) Isophorone	7.781	82	345353	20.059	ng	98
26) 2-Nitrophenol	7.857	139	89217	22.608	ng	99
27) 2,4-Dimethylphenol	7.892	122	148709	18.487	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	211672	20.505	ng	99
29) 2,4-Dichlorophenol	8.104	162	128258	18.907	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	142684	19.469	ng	100
31) Naphthalene	8.269	128	477055	19.925	ng	100
32) Benzoic acid	7.981	122	80819	21.090	ng	99
33) 4-Chloroaniline	8.310	127	52381	5.358	ng	99
34) Hexachlorobutadiene	8.386	225	85967	19.202	ng	99
35) Caprolactam	8.657	113	42764	20.861	ng	96
36) 4-Chloro-3-methylphenol	8.792	107	135660	18.399	ng	97
37) 2-Methylnaphthalene	8.957	142	284935	19.557	ng	100
38) 1-Methylnaphthalene	9.057	142	292390	19.489	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	139365	21.467	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	84670	18.844	ng	97
44) 2,4,5-Trichlorophenol	9.275	196	82644	18.388	ng	98

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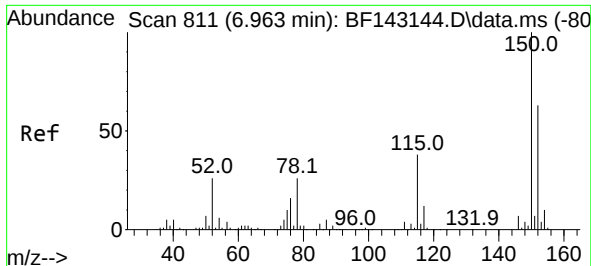
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.422	154	382379	21.795	ng	99
47) 2-Chloronaphthalene	9.445	162	262793	20.244	ng	99
48) 2-Nitroaniline	9.533	65	88146	21.653	ng	98
49) Acenaphthylene	9.863	152	430327	19.781	ng	100
50) Dimethylphthalate	9.710	163	326052	22.245	ng	100
51) 2,6-Dinitrotoluene	9.775	165	64618	21.671	ng	96
52) Acenaphthene	10.033	154	257617	20.035	ng	97
53) 3-Nitroaniline	9.939	138	47291	13.560	ng	96
54) 2,4-Dinitrophenol	10.051	184	19195	19.684	ng #	9
55) Dibenzofuran	10.204	168	370877	19.428	ng	99
56) 4-Nitrophenol	10.104	139	82334	31.613	ng	97
57) 2,4-Dinitrotoluene	10.175	165	77385	20.686	ng	99
58) Fluorene	10.551	166	277735	19.385	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.328	232	63002	16.922	ng	98
60) Diethylphthalate	10.416	149	305410	21.081	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	139599	19.567	ng	99
62) 4-Nitroaniline	10.551	138	49643	16.608	ng	98
63) Azobenzene	10.698	77	295403	19.564	ng	97
65) 4,6-Dinitro-2-methylph...	10.586	198	15461	13.794	ng	90
66) n-Nitrosodiphenylamine	10.651	169	240384	21.866	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	76580	20.583	ng	98
68) Hexachlorobenzene	11.104	284	69382	17.841	ng	99
69) Atrazine	11.180	200	68641	22.647	ng	100
70) Pentachlorophenol	11.292	266	72936	31.892	ng	98
71) Phenanthrene	11.516	178	453203	27.339	ng	100
72) Anthracene	11.563	178	368566	21.800	ng	99
73) Carbazole	11.716	167	318850	21.598	ng	100
74) Di-n-butylphthalate	12.045	149	399160	23.896	ng	99
75) Fluoranthene	12.704	202	687059	45.155	ng	99
78) Pyrene	12.933	202	677000	32.867	ng	99
80) Butylbenzylphthalate	13.545	149	162294	25.730	ng	98
81) Benzo(a)anthracene	14.121	228	499986	30.942	ng	98
82) 3,3'-Dichlorobenzidine	14.080	252	58890	10.935	ng	99
83) Chrysene	14.157	228	438517	30.184	ng	98
84) Bis(2-ethylhexyl)phtha...	14.104	149	242982	25.451	ng	99
85) Di-n-octyl phthalate	14.721	149	393515	22.740	ng	100
87) Indeno(1,2,3-cd)pyrene	17.192	276	246288	18.738	ng	99
88) Benzo(b)fluoranthene	15.198	252	376253	33.042	ng #	97
89) Benzo(k)fluoranthene	15.198	252	376253	37.028	ng	97
90) Benzo(a)pyrene	15.580	252	301255	28.714	ng #	96
91) Dibenzo(a,h)anthracene	17.209	278	174886	16.348	ng	98
92) Benzo(g,h,i)perylene	17.662	276	200796	19.403	ng	99

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

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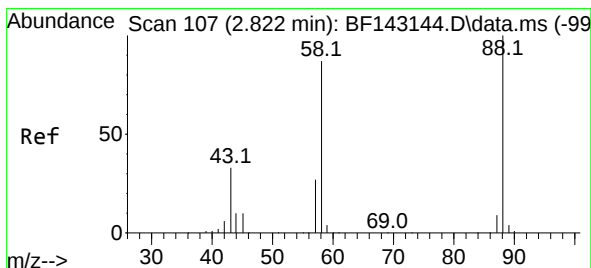
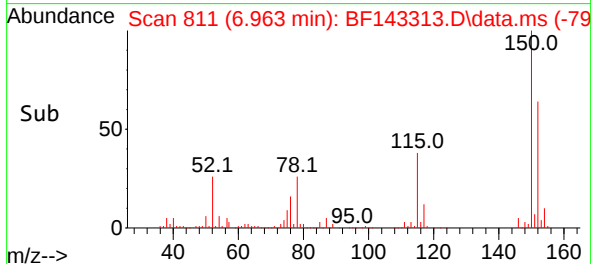
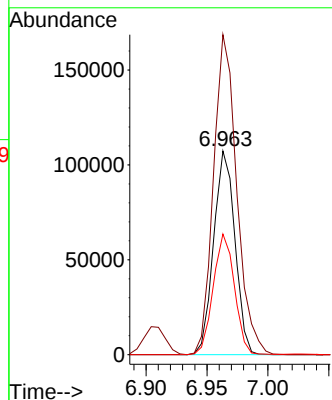
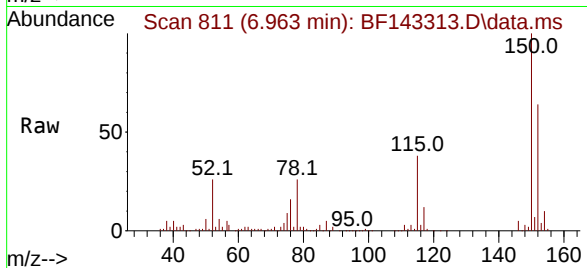




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 811
 Delta R.T. 0.000 min
 Lab File: BF143313.D
 Acq: 05 Aug 2025 13:59

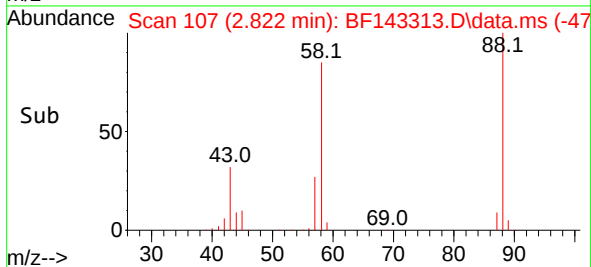
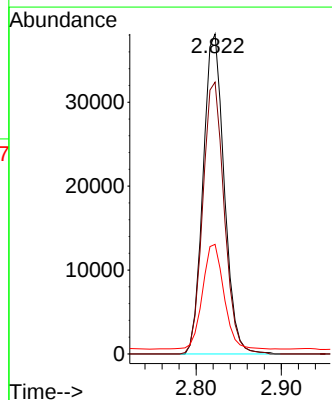
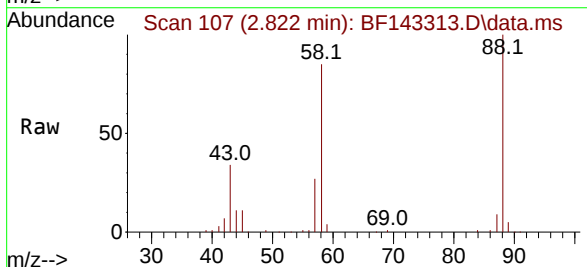
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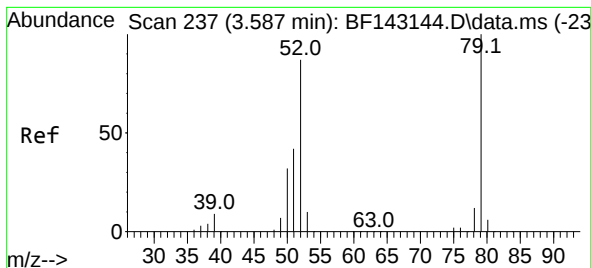
Tgt Ion:152 Resp: 130860
 Ion Ratio Lower Upper
 152 100
 150 157.1 128.2 192.4
 115 59.2 47.9 71.9



#2
 1,4-Dioxane
 Concen: 16.733 ng
 RT: 2.822 min Scan# 107
 Delta R.T. 0.000 min
 Lab File: BF143313.D
 Acq: 05 Aug 2025 13:59

Tgt Ion: 88 Resp: 65474
 Ion Ratio Lower Upper
 88 100
 58 86.6 70.2 105.2
 43 33.1 27.1 40.7





#3

Pyridine

Concen: 16.197 ng

RT: 3.604 min Scan# 24

Delta R.T. 0.018 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

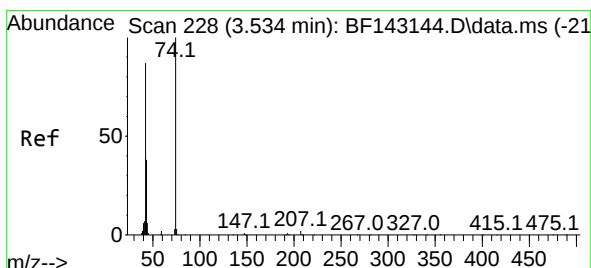
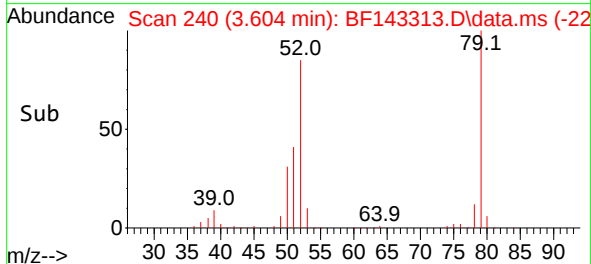
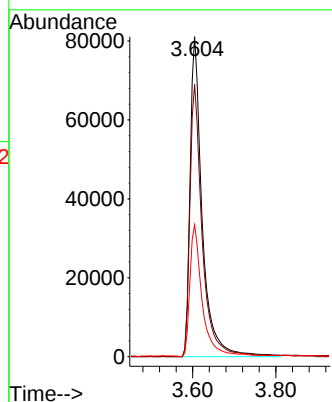
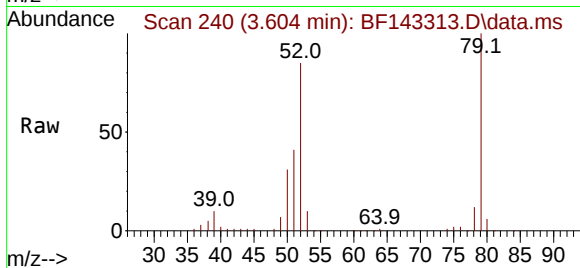
Tgt Ion: 79 Resp: 164496

Ion Ratio Lower Upper

79 100

52 85.1 69.4 104.2

51 41.2 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 18.590 ng

RT: 3.528 min Scan# 227

Delta R.T. -0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

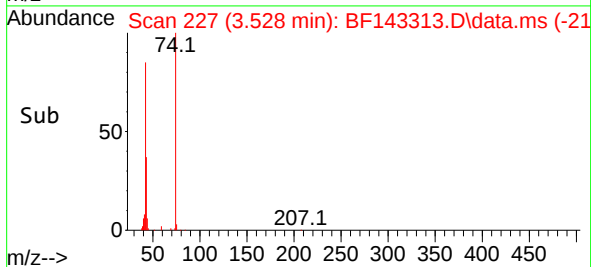
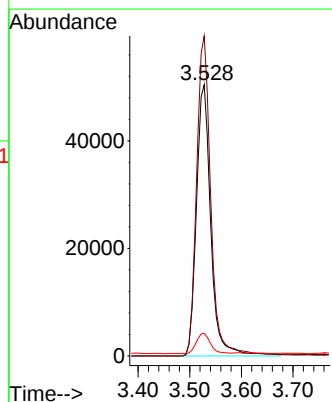
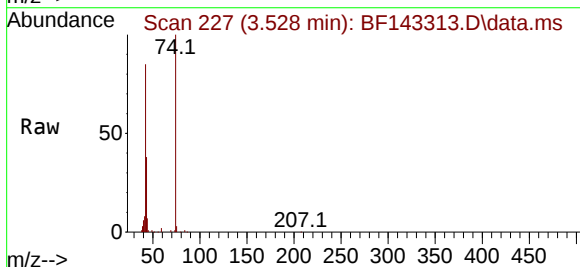
Tgt Ion: 42 Resp: 97480

Ion Ratio Lower Upper

42 100

74 118.0 91.7 137.5

44 8.4 5.6 8.4

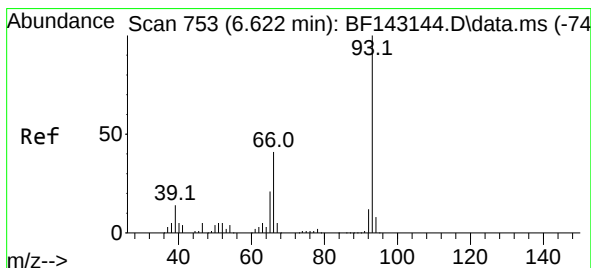
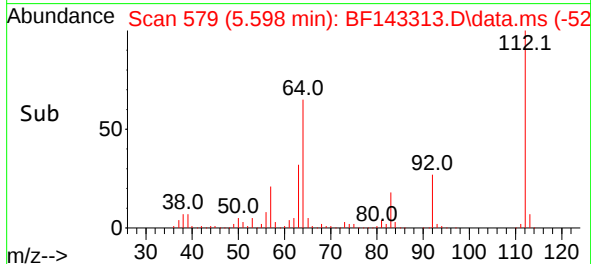
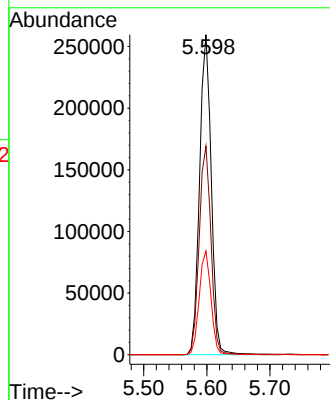
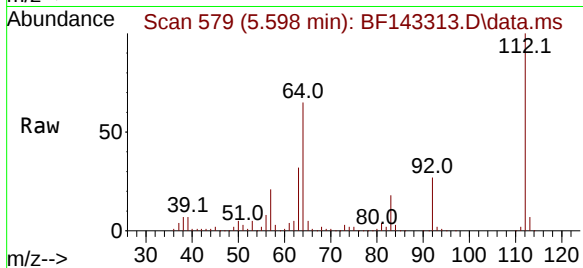




#5
2-Fluorophenol
Concen: 40.323 ng
RT: 5.598 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

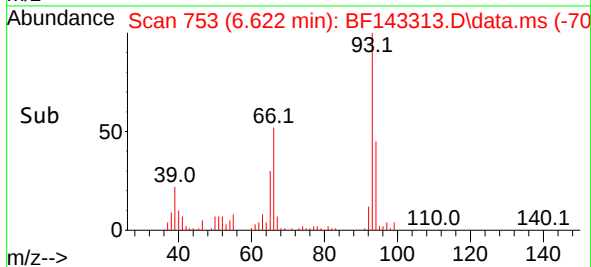
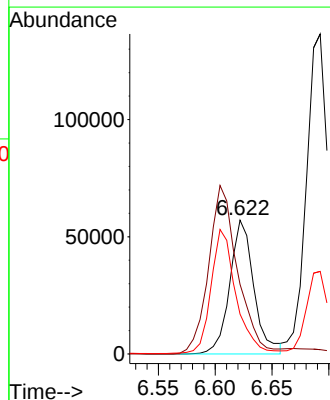
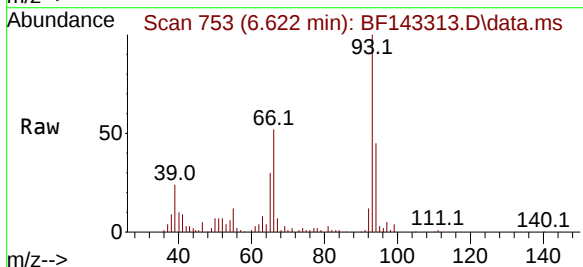
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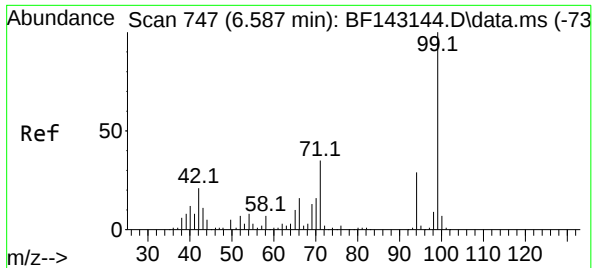
Tgt Ion:112 Resp: 333444
Ion Ratio Lower Upper
112 100
64 65.2 53.1 79.7
63 32.4 26.6 40.0



#6
Aniline
Concen: 5.819 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 93 Resp: 84409
Ion Ratio Lower Upper
93 100
66 52.0 33.2 49.8#
65 29.8 16.9 25.3#

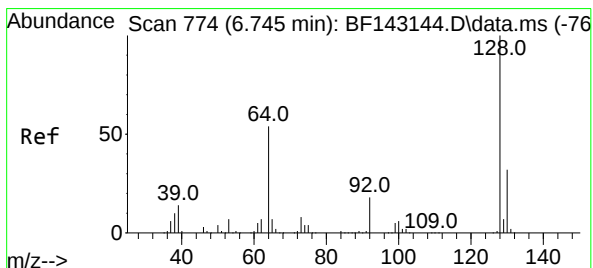
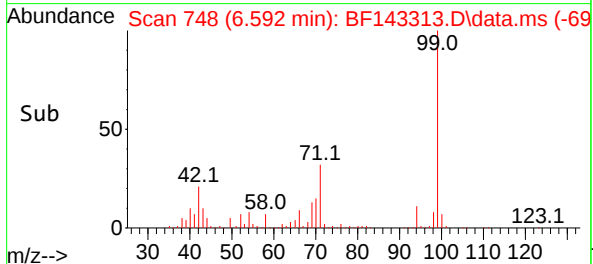
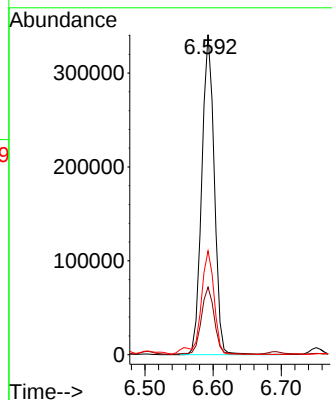
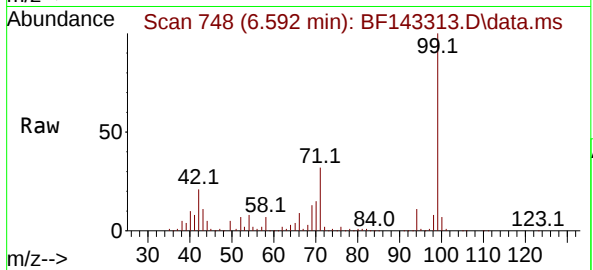




#7
Phenol-d6
Concen: 41.813 ng
RT: 6.592 min Scan# 748
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

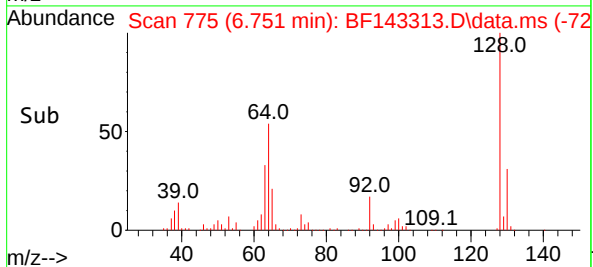
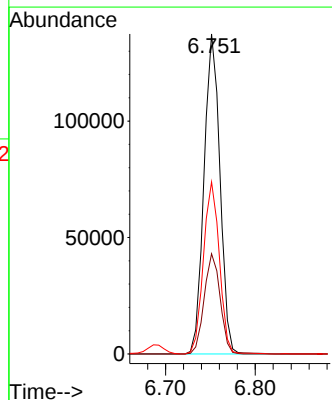
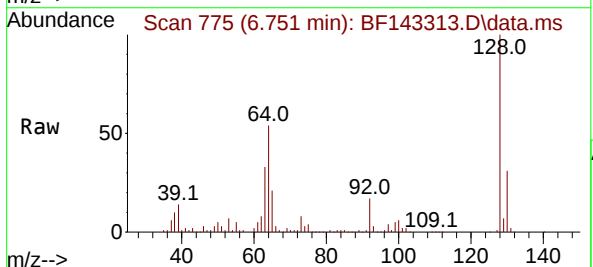
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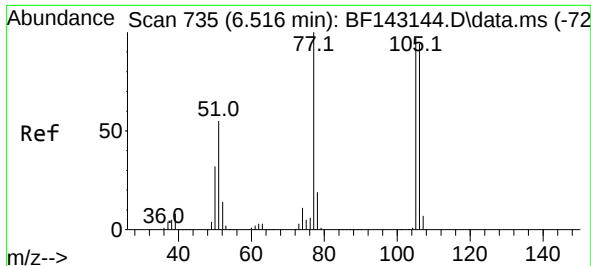
Tgt Ion: 99 Resp: 435211
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 32.5 27.7 41.5



#8
2-Chlorophenol
Concen: 19.567 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:128 Resp: 169608
Ion Ratio Lower Upper
128 100
130 31.3 12.3 52.3
64 53.7 35.9 75.9

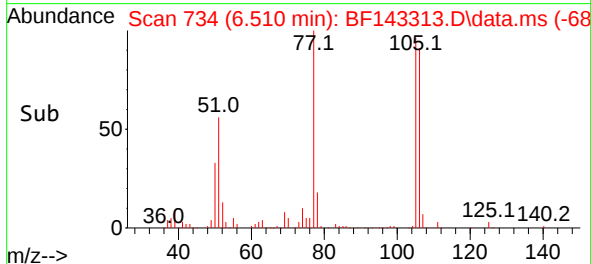
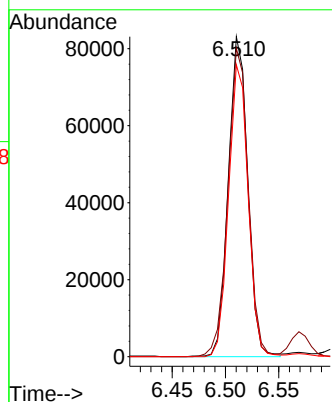
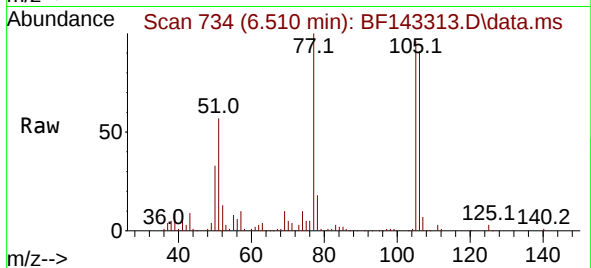




#9
Benzaldehyde
Concen: 13.492 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

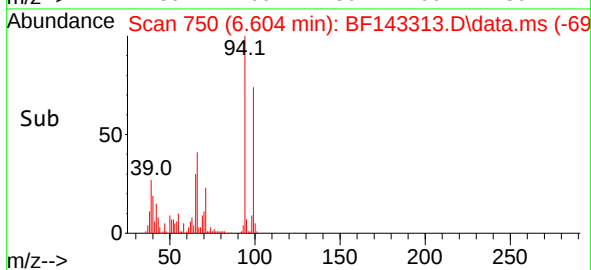
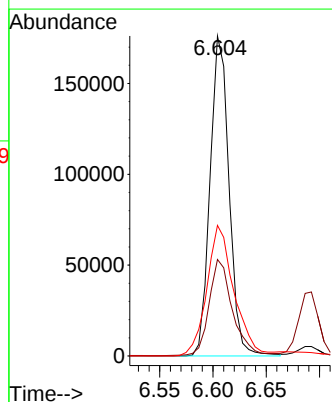
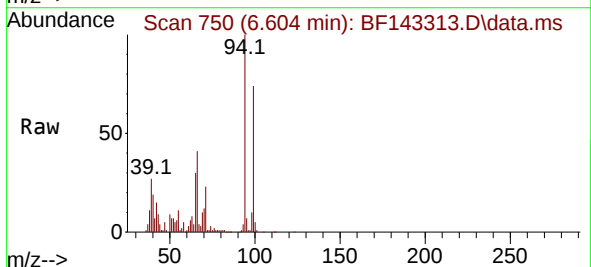
Instrument :
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ClientSampleId :
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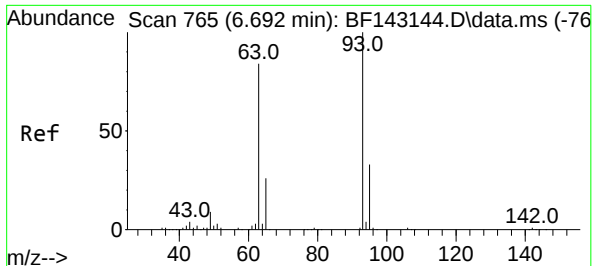
Tgt Ion: 77 Resp: 105300
Ion Ratio Lower Upper
77 100
105 96.3 76.8 116.8
106 91.2 74.4 114.4



#10
Phenol
Concen: 19.303 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 94 Resp: 218878
Ion Ratio Lower Upper
94 100
65 30.1 10.0 50.0
66 40.8 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 21.060 ng

RT: 6.692 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

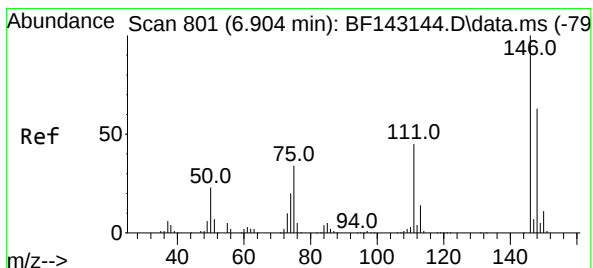
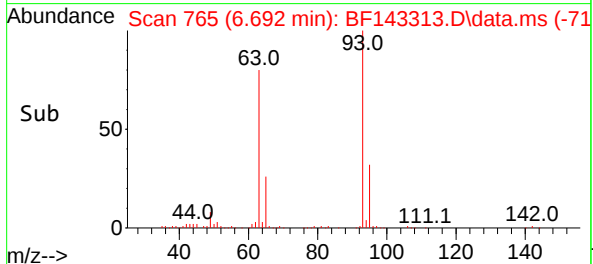
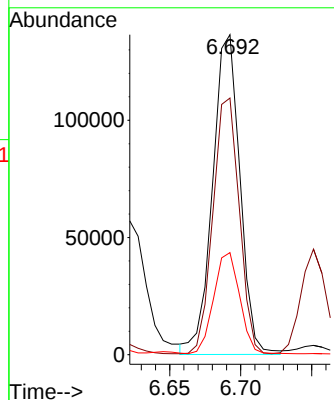
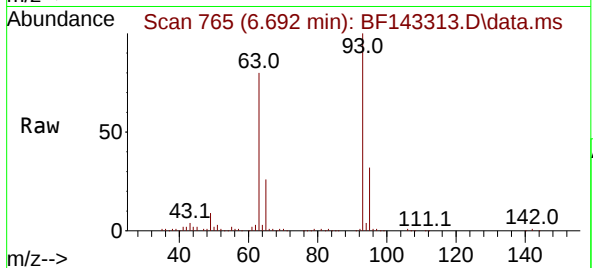
Tgt Ion: 93 Resp: 182838

Ion Ratio Lower Upper

93 100

63 80.2 63.4 103.4

95 31.9 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 18.870 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

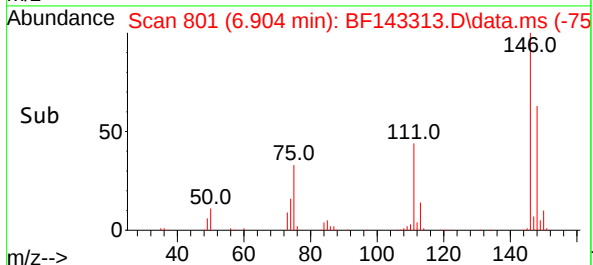
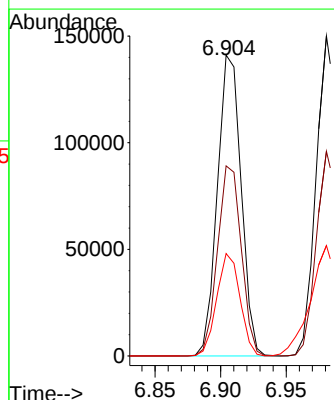
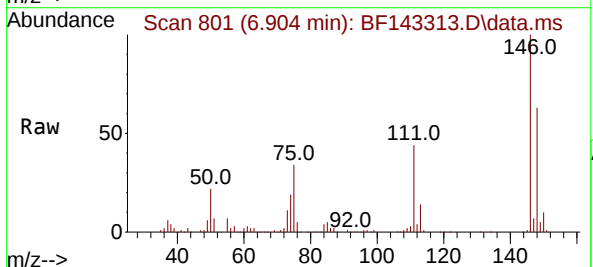
Tgt Ion: 146 Resp: 177685

Ion Ratio Lower Upper

146 100

148 63.2 50.6 76.0

75 34.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 18.955 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

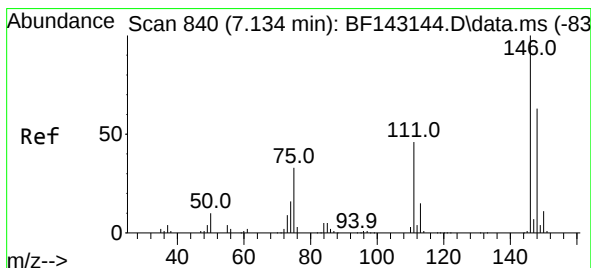
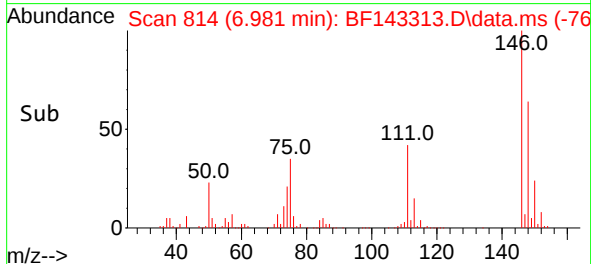
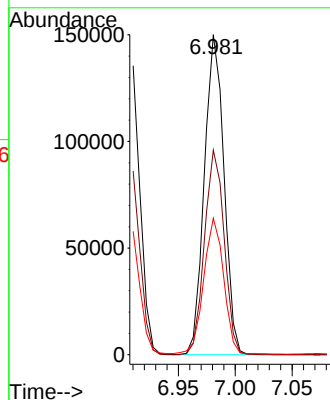
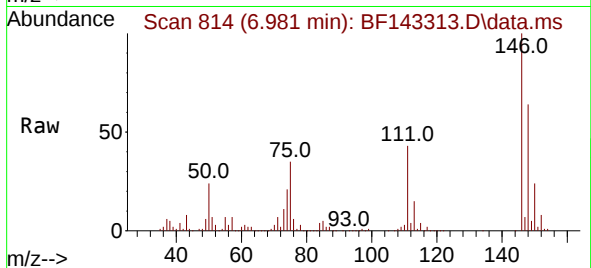
Tgt Ion:146 Resp: 179746

Ion Ratio Lower Upper

146 100

148 63.9 50.3 75.5

111 42.6 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 19.215 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

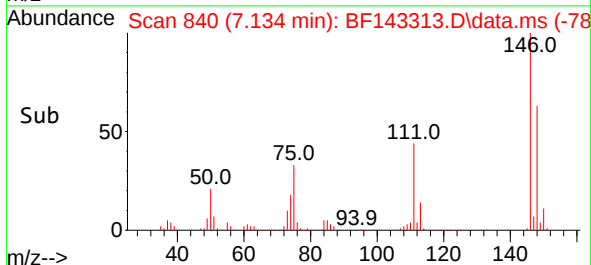
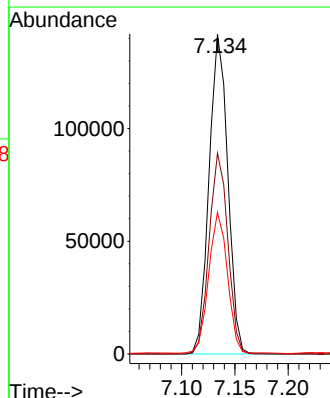
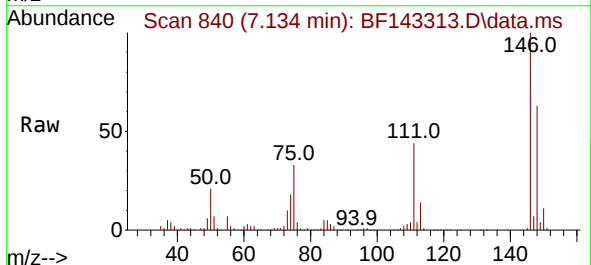
Tgt Ion:146 Resp: 173303

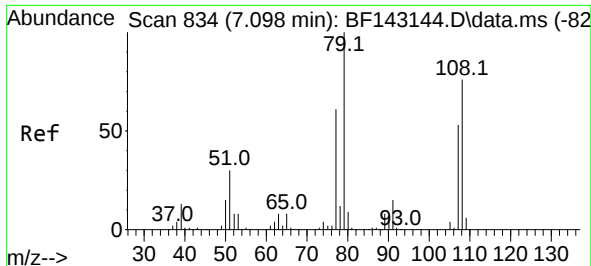
Ion Ratio Lower Upper

146 100

148 62.7 50.7 76.1

111 44.3 36.6 54.8

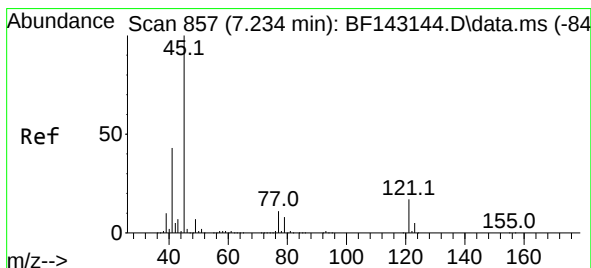
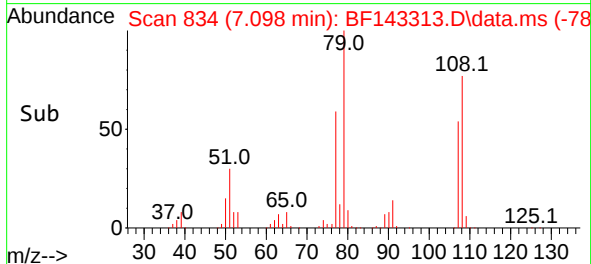
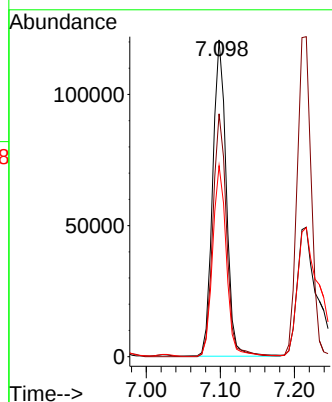
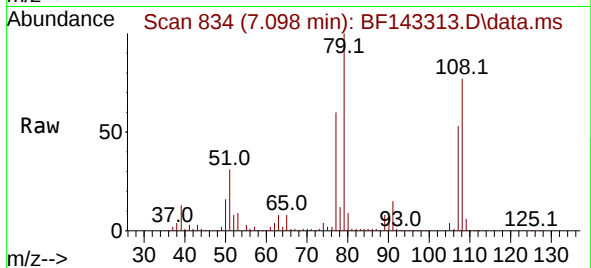




#15
Benzyl Alcohol
Concen: 19.367 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

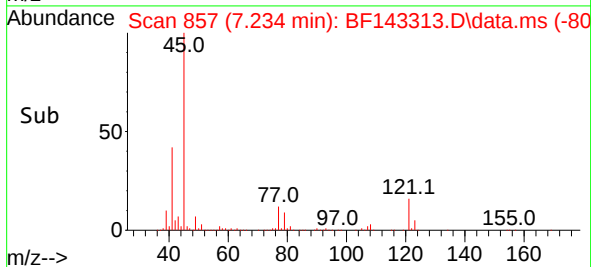
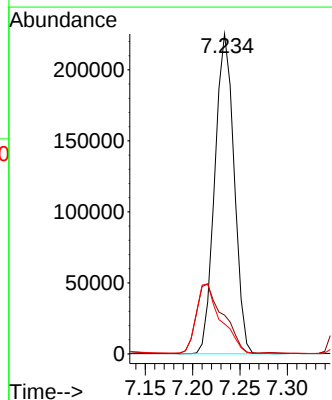
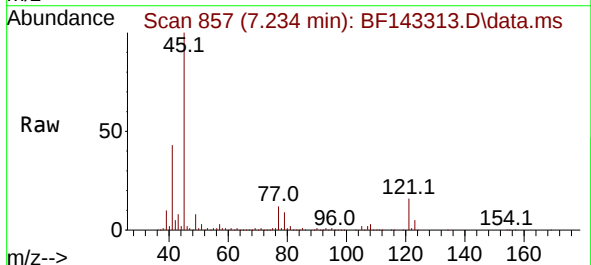
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

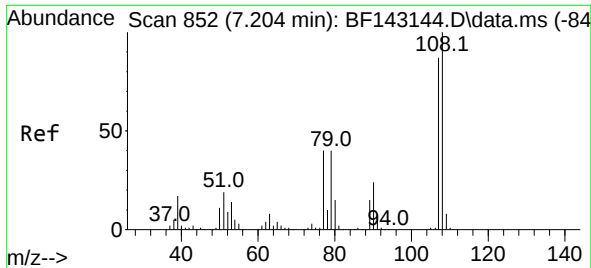
Tgt Ion: 79 Resp: 153915
Ion Ratio Lower Upper
79 100
108 76.6 61.1 91.7
77 60.3 48.9 73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.800 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 45 Resp: 318887
Ion Ratio Lower Upper
45 100
77 12.2 0.0 31.2
79 9.4 0.0 28.5

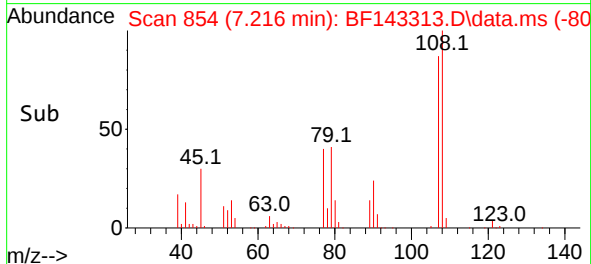
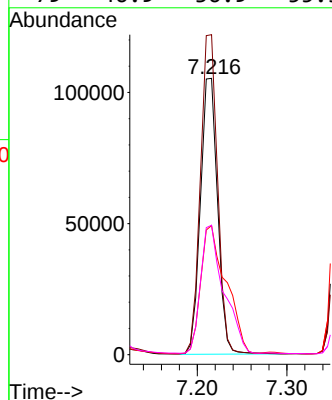
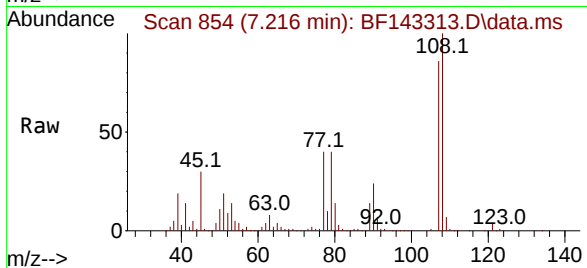




#17
2-Methylphenol
Concen: 19.173 ng
RT: 7.216 min Scan# 854
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

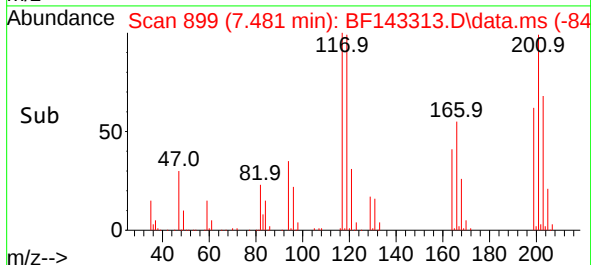
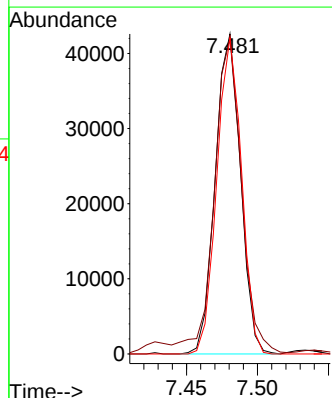
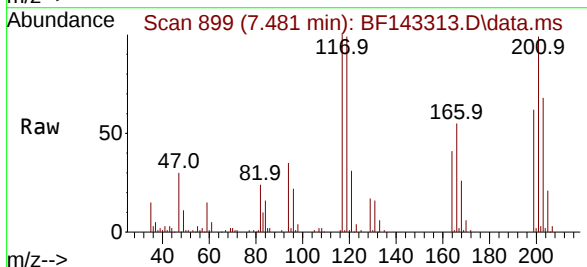
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:	107	Resp:	139737
Ion	Ratio	Lower	Upper
107	100		
108	115.8	91.8	137.6
77	46.7	37.0	55.6
79	46.9	36.9	55.3



#18
Hexachloroethane
Concen: 16.021 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:	117	Resp:	52594
Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.8	116.8
201	98.8	77.0	115.4

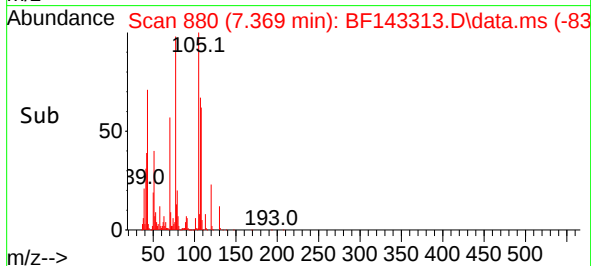
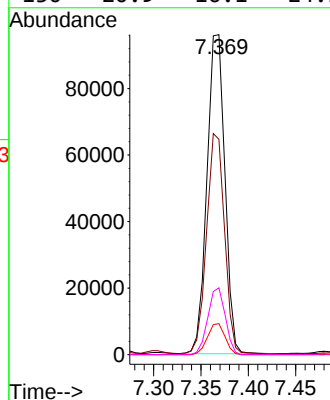
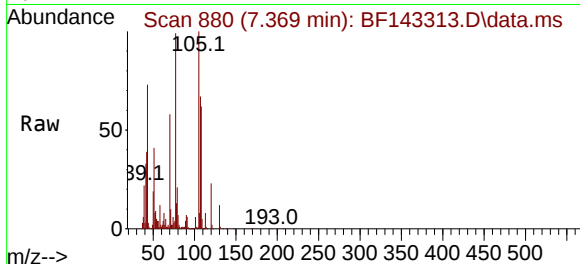




#19
n-Nitroso-di-n-propylamine
Concen: 18.928 ng
RT: 7.369 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

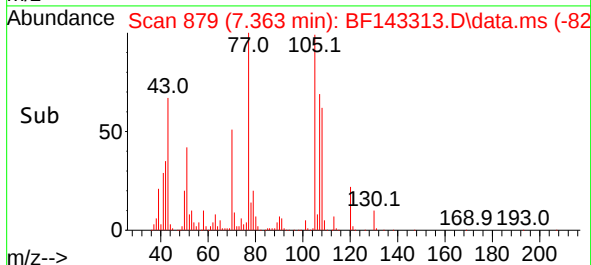
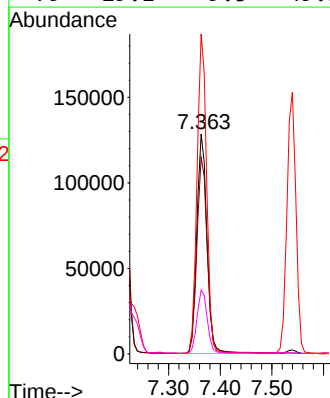
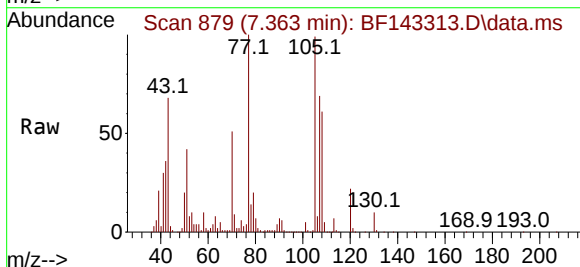
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:	70	Resp:	126399
Ion	Ratio	Lower	Upper
70	100		
42	67.3	52.5	78.7
101	9.7	7.6	11.4
130	20.9	16.1	24.1



#20
3+4-Methylphenols
Concen: 19.978 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:	107	Resp:	176660
Ion	Ratio	Lower	Upper
107	100		
108	89.5	70.0	110.0
77	145.6	57.8	97.8#
79	29.1	9.5	49.5

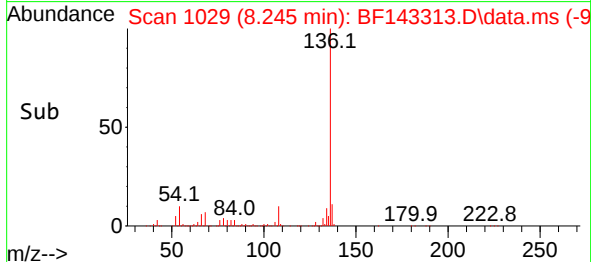
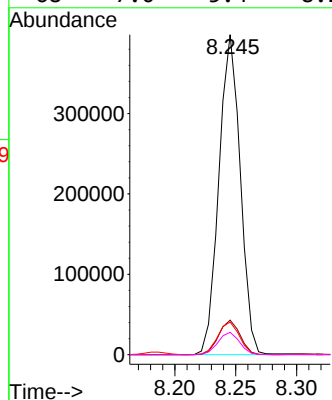
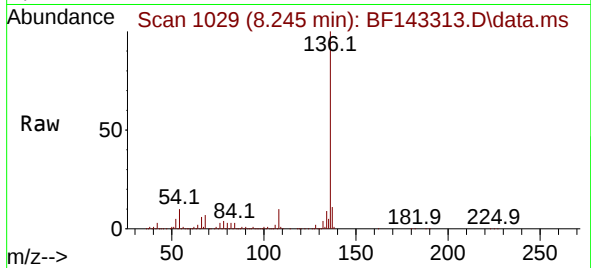




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

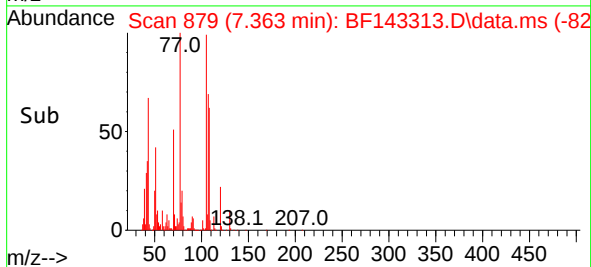
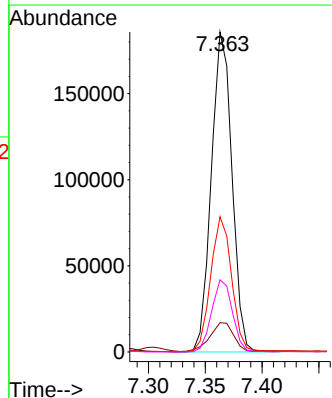
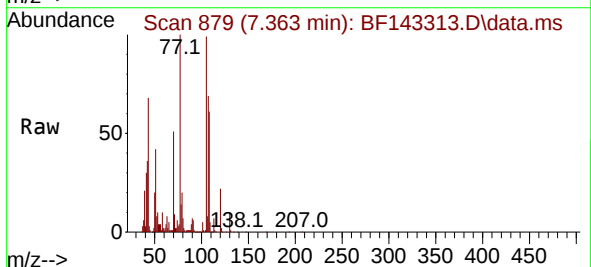
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:	136	Resp:	486158
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.2	8.2	12.2
68	7.0	5.4	8.2



#22
Acetophenone
Concen: 20.394 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:	105	Resp:	234736
Ion	Ratio	Lower	Upper
105	100		
71	9.2	5.8	8.6#
51	42.2	30.2	45.2
120	22.5	18.2	27.4





#23

Nitrobenzene-d5

Concen: 28.224 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

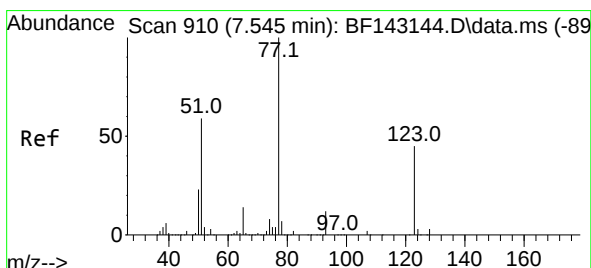
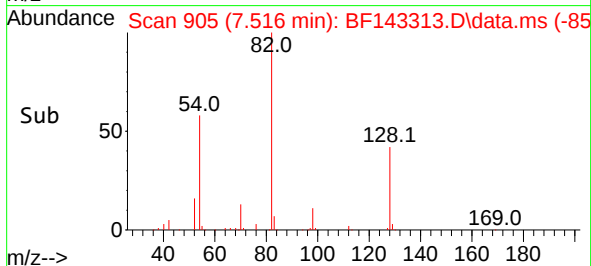
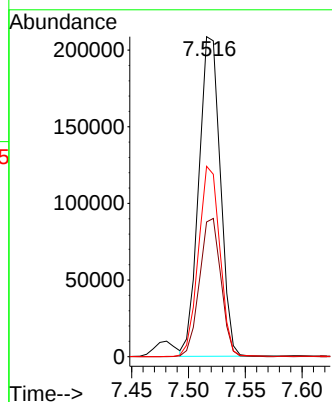
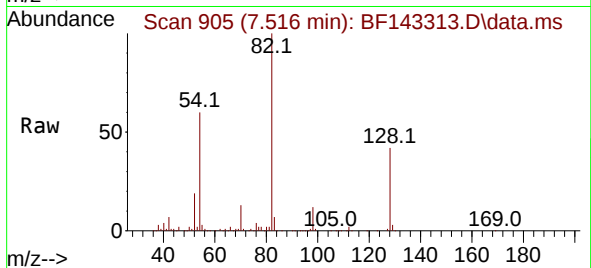
Tgt Ion: 82 Resp: 275271

Ion Ratio Lower Upper

82 100

128 42.1 33.6 50.4

54 59.5 47.1 70.7



#24

Nitrobenzene

Concen: 20.373 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

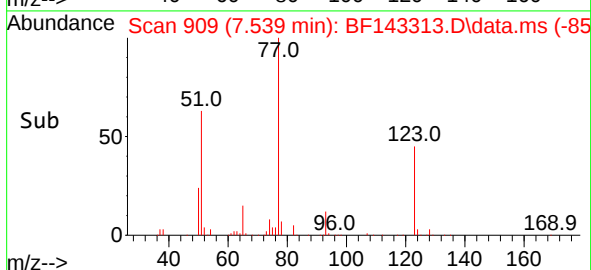
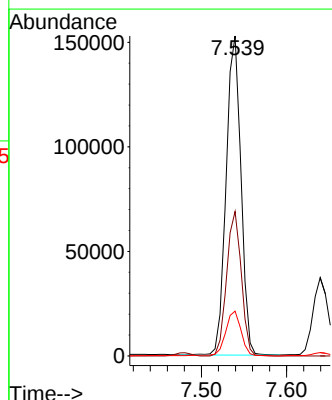
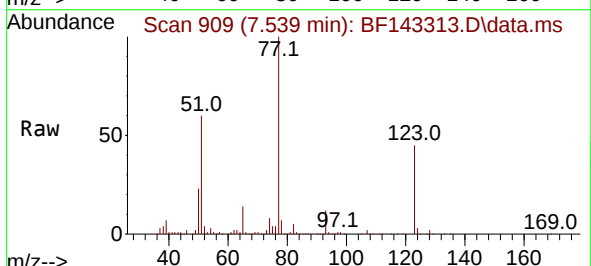
Tgt Ion: 77 Resp: 185250

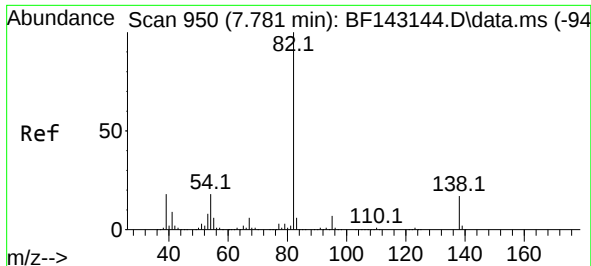
Ion Ratio Lower Upper

77 100

123 45.2 36.1 54.1

65 14.0 11.4 17.2

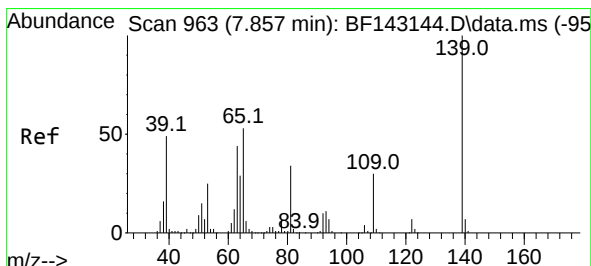
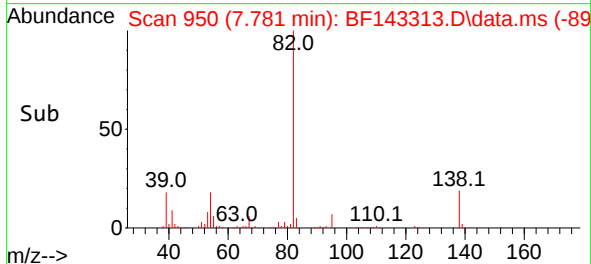
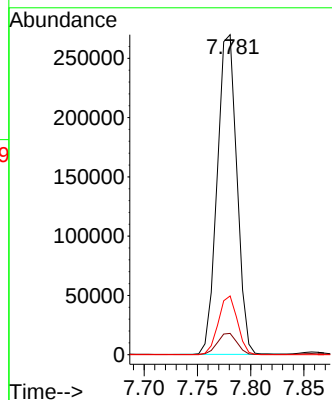
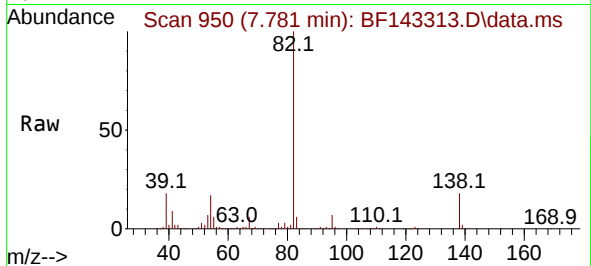




#25
Isophorone
Concen: 20.059 ng
RT: 7.781 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

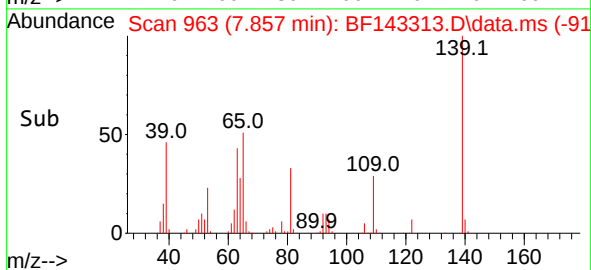
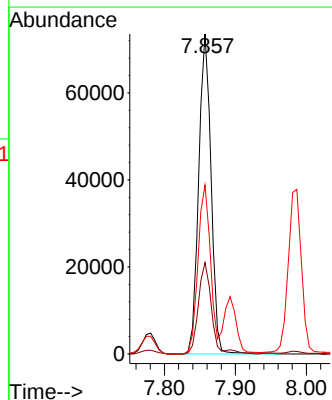
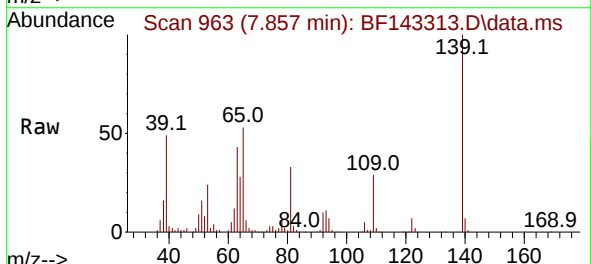
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

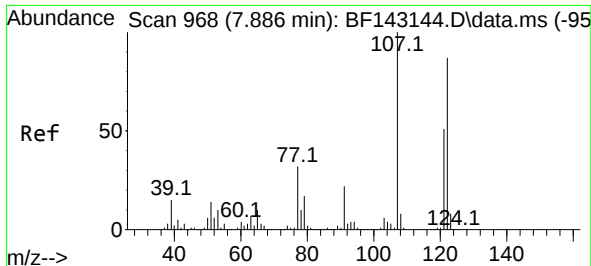
Tgt Ion: 82 Resp: 345353
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 18.4 13.8 20.8



#26
2-Nitrophenol
Concen: 22.608 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 139 Resp: 89217
Ion Ratio Lower Upper
139 100
109 28.5 23.6 35.4
65 52.8 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 18.487 ng

RT: 7.892 min Scan# 9

Delta R.T. 0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

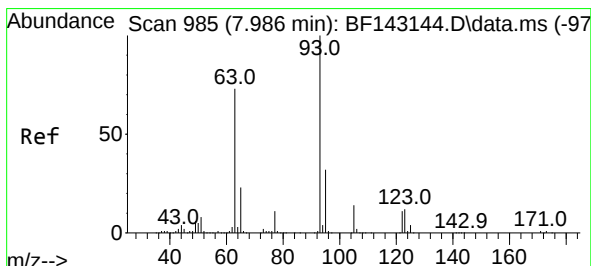
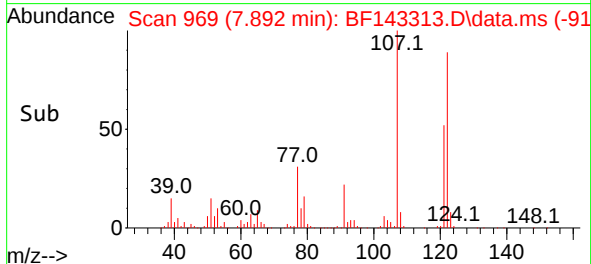
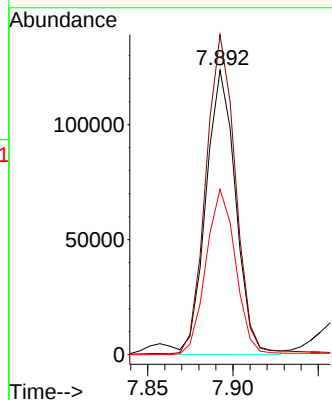
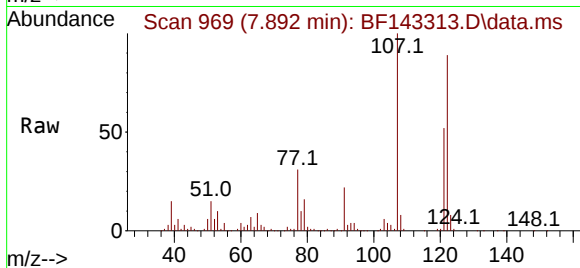
Tgt Ion:122 Resp: 148709

Ion Ratio Lower Upper

122 100

107 112.5 91.8 137.6

121 58.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 20.505 ng

RT: 7.986 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

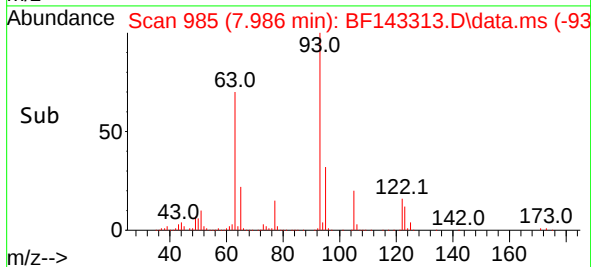
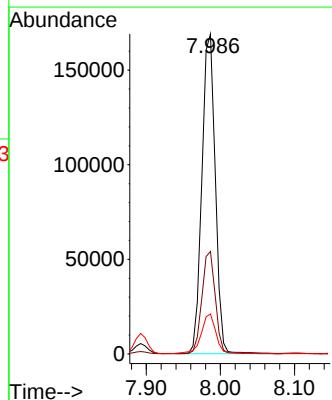
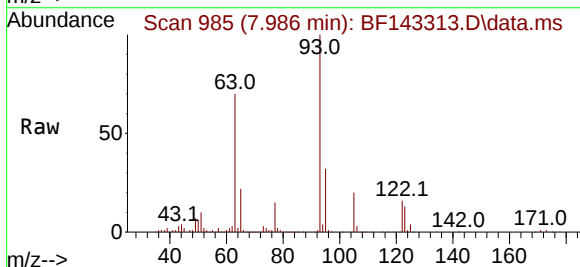
Tgt Ion: 93 Resp: 211672

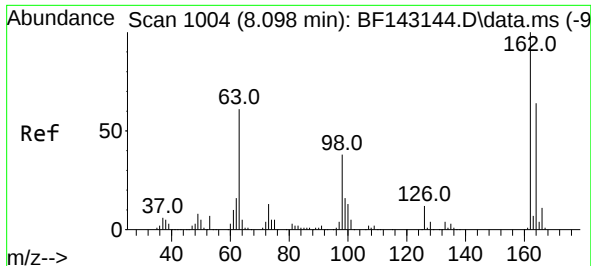
Ion Ratio Lower Upper

93 100

95 32.0 25.8 38.6

123 12.5 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 18.907 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

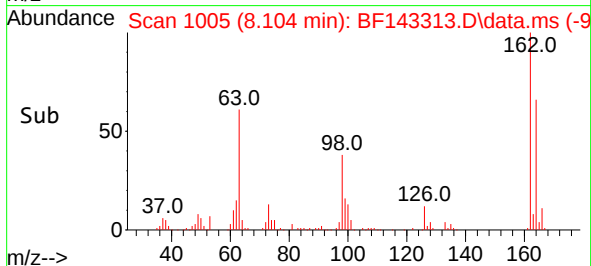
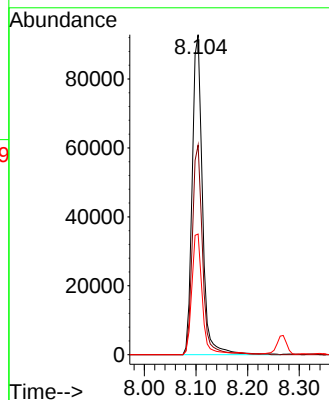
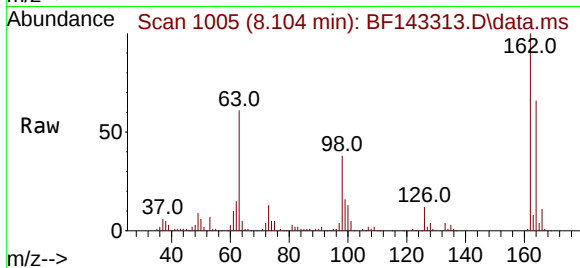
Tgt Ion:162 Resp: 128258

Ion Ratio Lower Upper

162 100

164 65.5 44.2 84.2

98 37.7 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 19.469 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

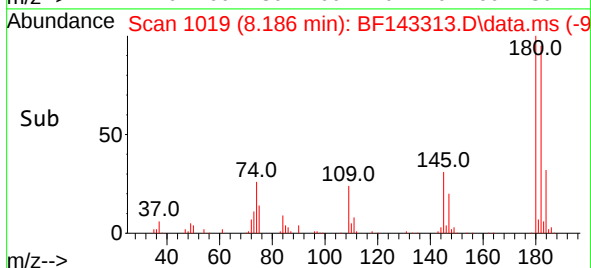
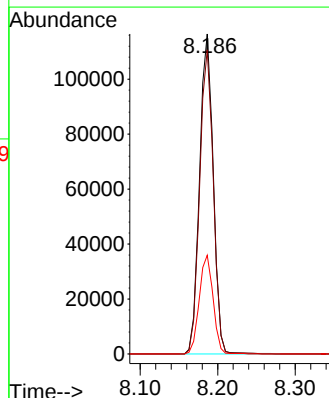
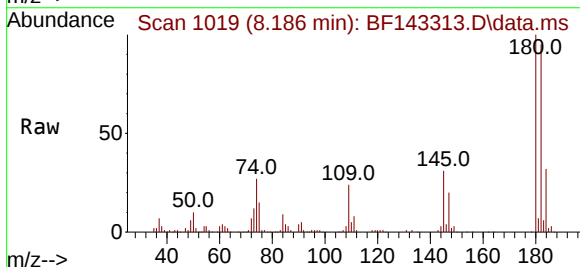
Tgt Ion:180 Resp: 142684

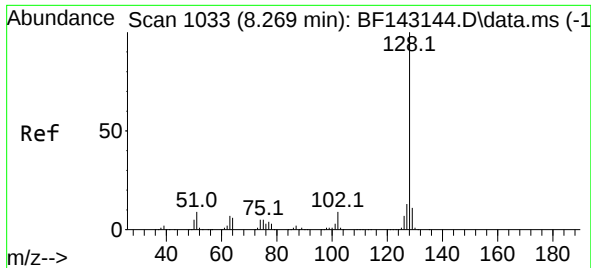
Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.2

145 30.9 25.0 37.6

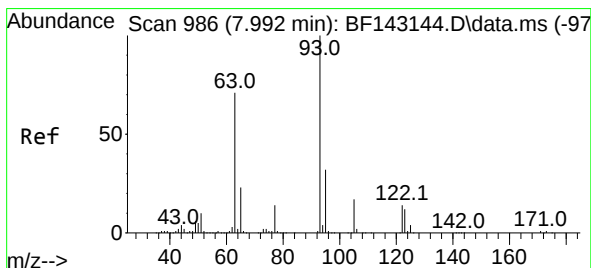
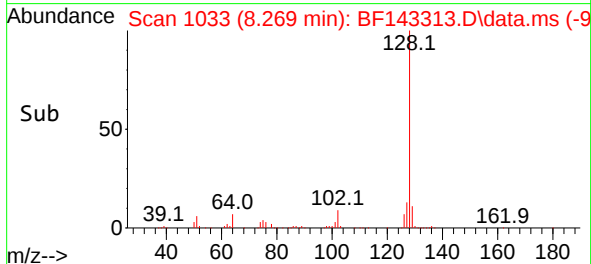
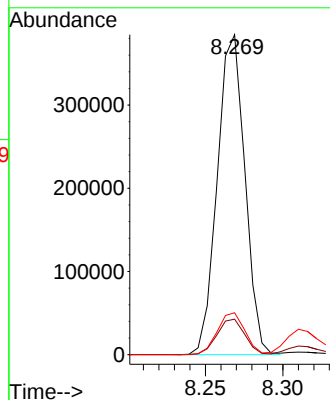
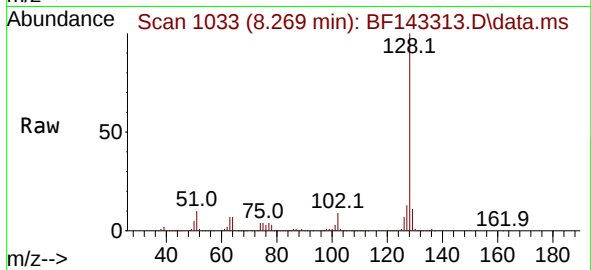




#31
Naphthalene
Concen: 19.925 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

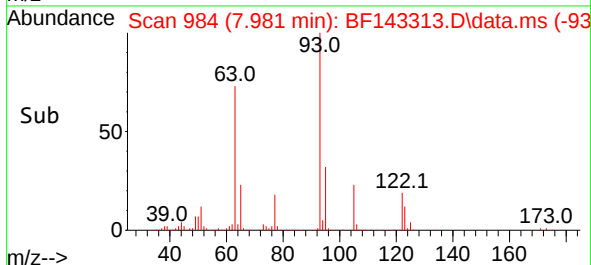
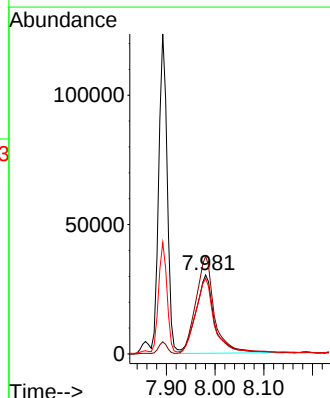
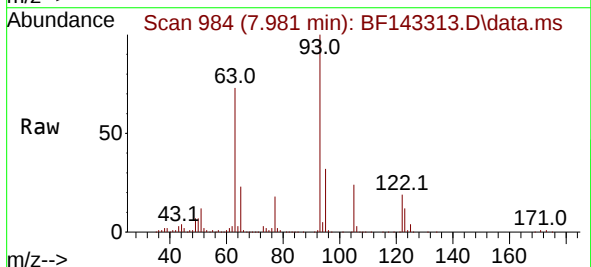
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:128 Resp: 477055
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.1 10.6 16.0



#32
Benzoic acid
Concen: 21.090 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:122 Resp: 80819
Ion Ratio Lower Upper
122 100
105 124.0 104.8 144.8
77 95.9 77.6 117.6

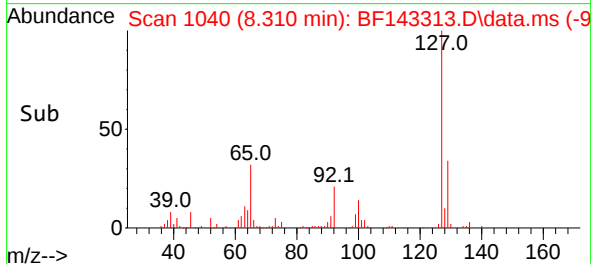
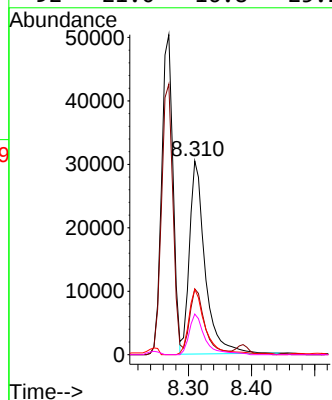
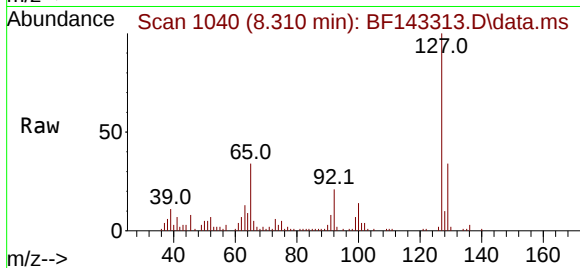




#33
4-Chloroaniline
Concen: 5.358 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

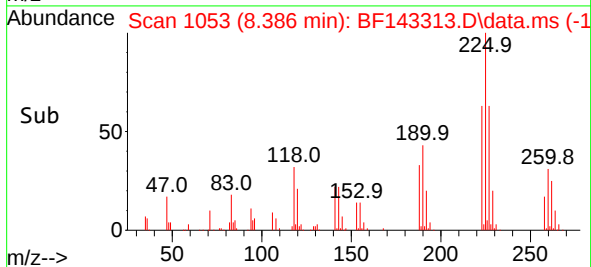
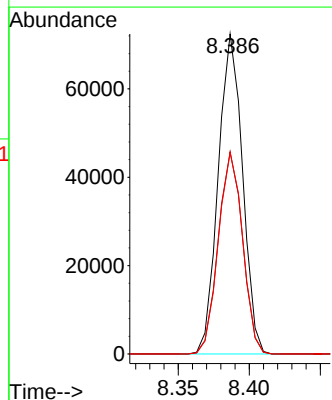
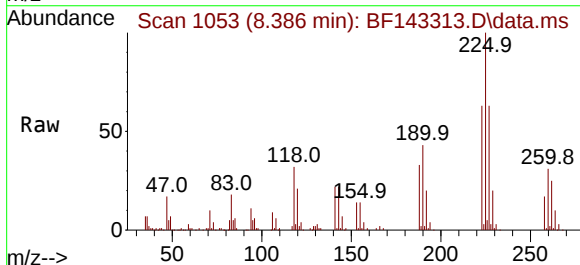
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

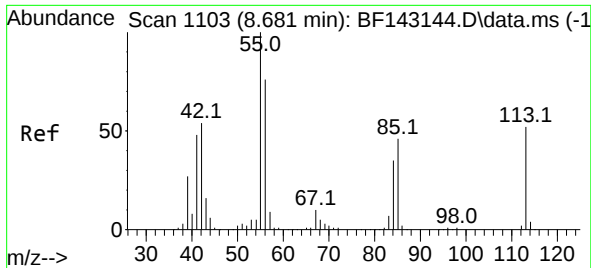
Tgt Ion:	127	Resp:	52381
Ion Ratio	Lower	Upper	
127	100		
129	33.9	26.0	39.0
65	33.7	27.4	41.2
92	21.0	16.8	25.2



#34
Hexachlorobutadiene
Concen: 19.202 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:	225	Resp:	85967
Ion Ratio	Lower	Upper	
225	100		
223	63.2	49.8	74.6
227	63.0	50.2	75.4

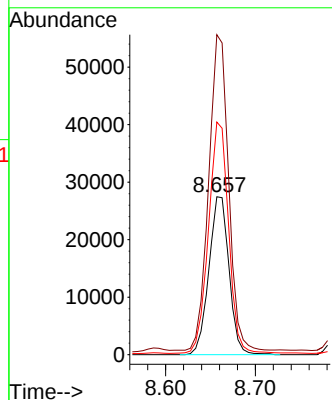
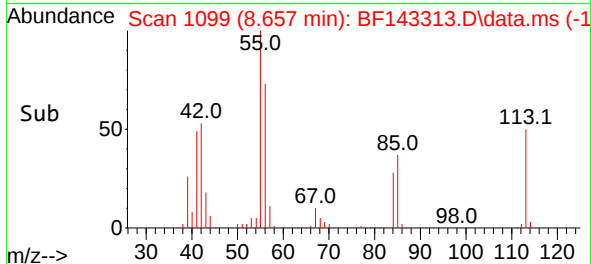
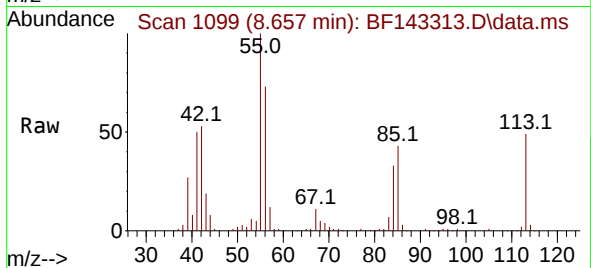




#35
 Caprolactam
 Concen: 20.861 ng
 RT: 8.657 min Scan# 1099
 Delta R.T. -0.024 min
 Lab File: BF143313.D
 Acq: 05 Aug 2025 13:59

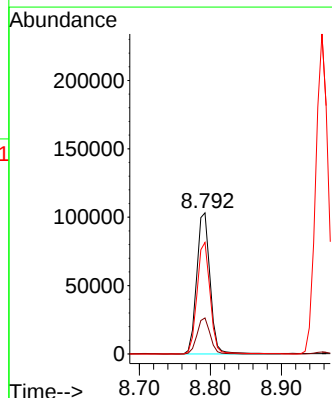
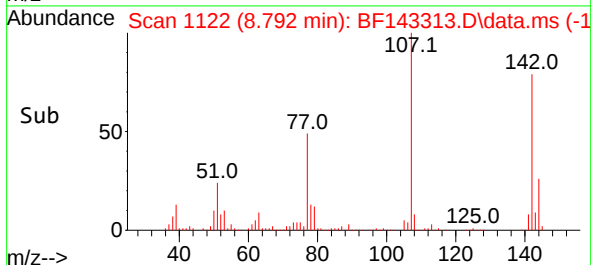
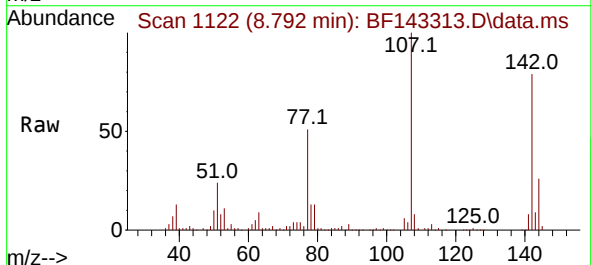
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-253MS

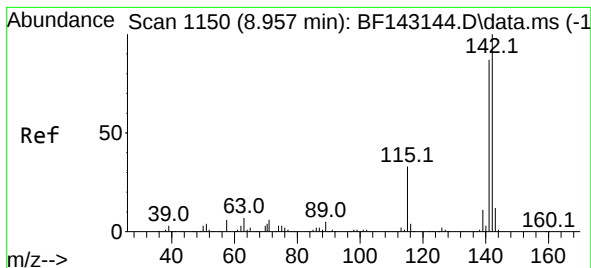
Tgt Ion:113 Resp: 42764
 Ion Ratio Lower Upper
 113 100
 55 202.6 174.0 214.0
 56 147.3 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 18.399 ng
 RT: 8.792 min Scan# 1122
 Delta R.T. 0.012 min
 Lab File: BF143313.D
 Acq: 05 Aug 2025 13:59

Tgt Ion:107 Resp: 135660
 Ion Ratio Lower Upper
 107 100
 144 25.5 19.8 29.6
 142 79.0 60.6 90.8





#37

2-Methylnaphthalene

Concen: 19.557 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

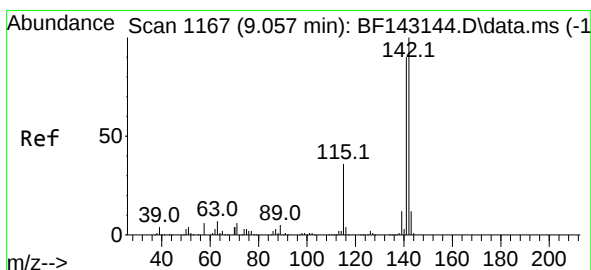
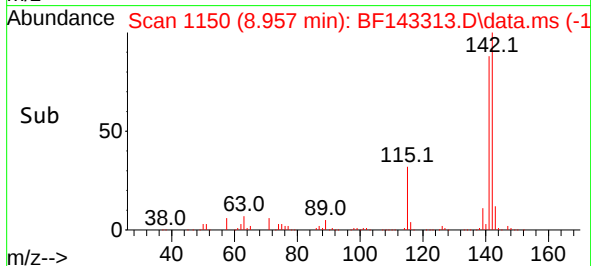
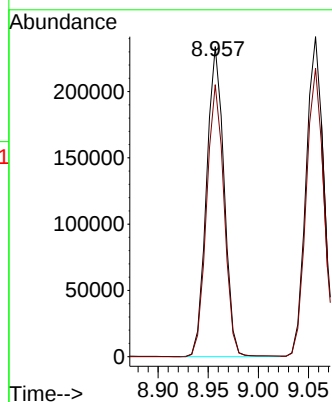
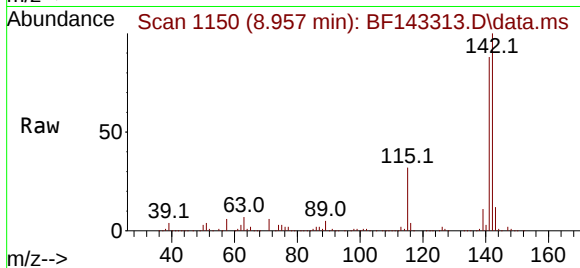
VNJ-253MS

Tgt Ion:142 Resp: 284935

Ion Ratio Lower Upper

142 100

141 87.7 69.9 104.9



#38

1-Methylnaphthalene

Concen: 19.489 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143313.D

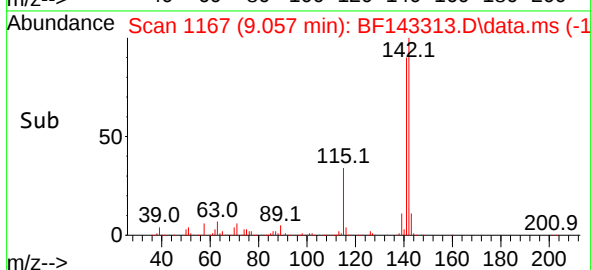
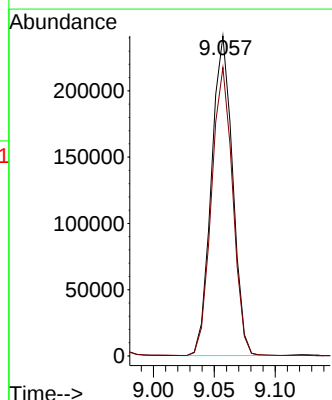
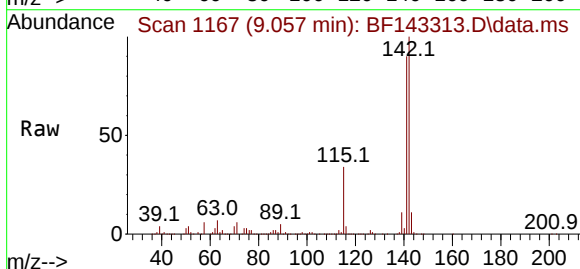
Acq: 05 Aug 2025 13:59

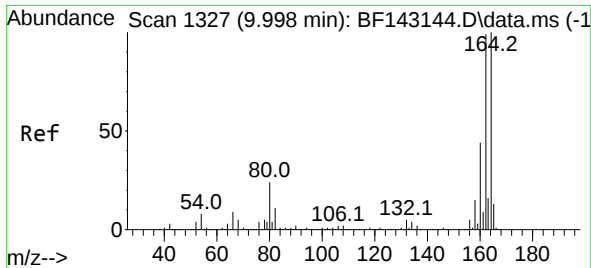
Tgt Ion:142 Resp: 292390

Ion Ratio Lower Upper

142 100

141 90.2 72.3 108.5

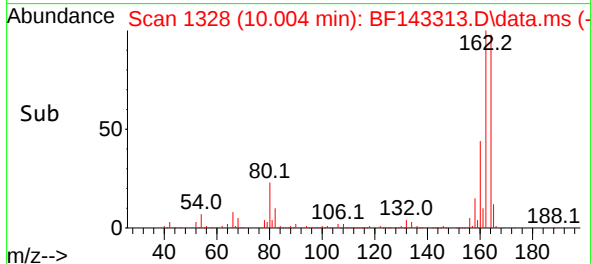
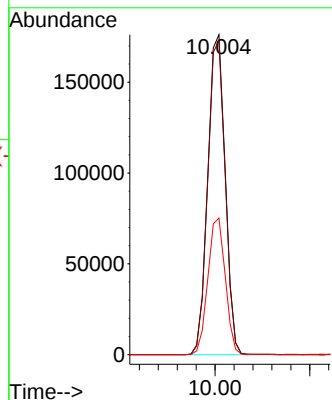
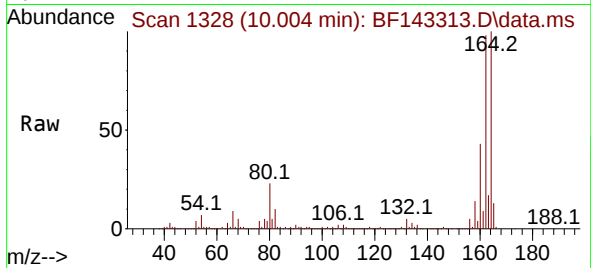




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

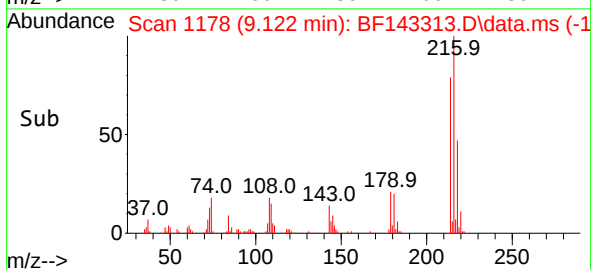
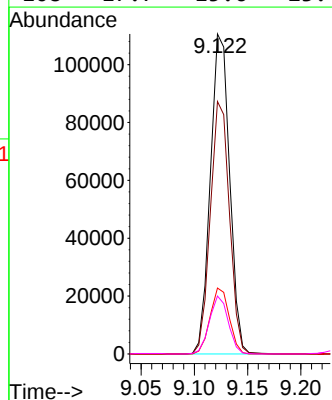
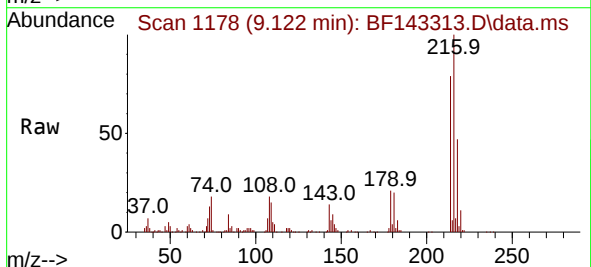
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

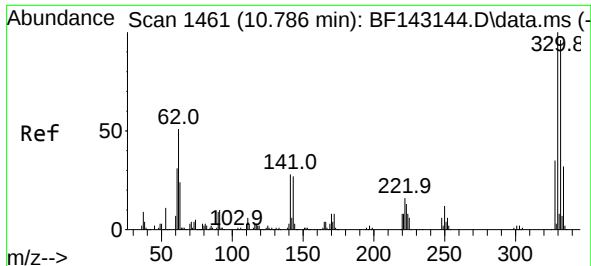
Tgt Ion:164 Resp: 224868
Ion Ratio Lower Upper
164 100
162 98.2 79.0 118.6
160 42.7 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.467 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:216 Resp: 139365
Ion Ratio Lower Upper
216 100
214 78.3 63.8 95.8
179 20.4 16.4 24.6
108 17.7 15.6 23.4

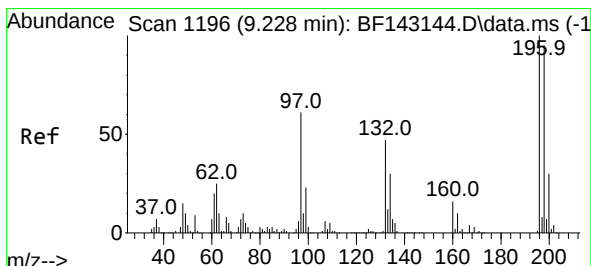
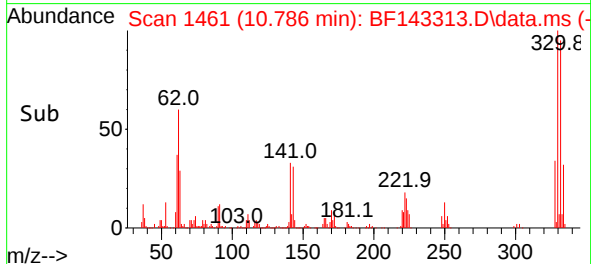
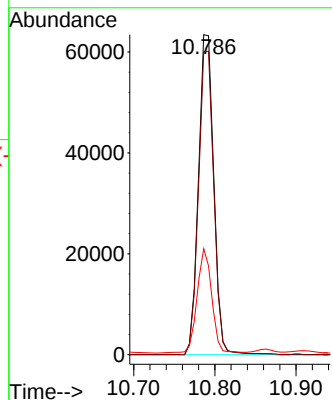
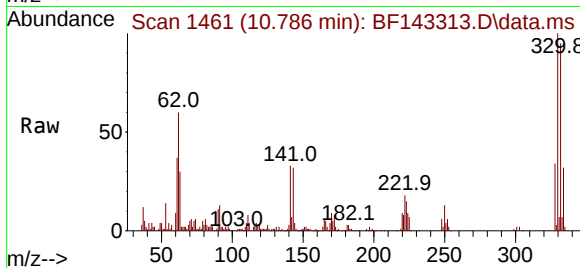




#42
2,4,6-Tribromophenol
Concen: 35.934 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

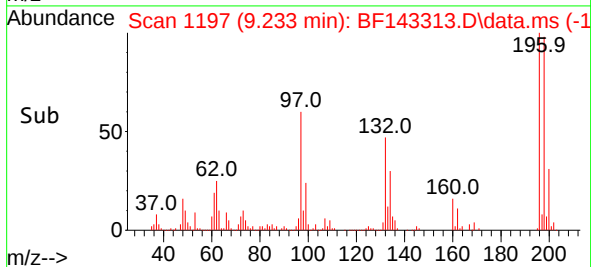
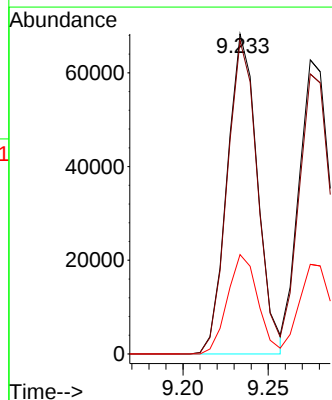
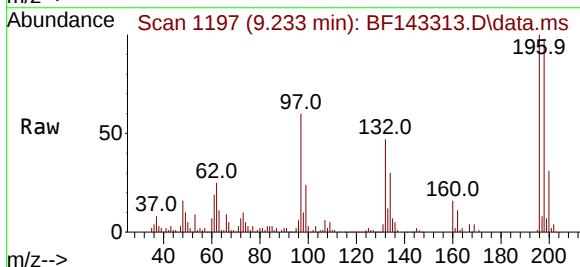
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

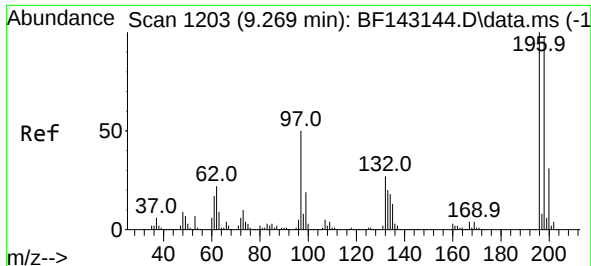
Tgt Ion:330 Resp: 83476
Ion Ratio Lower Upper
330 100
332 94.9 76.7 115.1
141 31.3 23.3 34.9



#43
2,4,6-Trichlorophenol
Concen: 18.844 ng
RT: 9.233 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:196 Resp: 84670
Ion Ratio Lower Upper
196 100
198 97.9 76.2 114.2
200 31.1 23.9 35.9

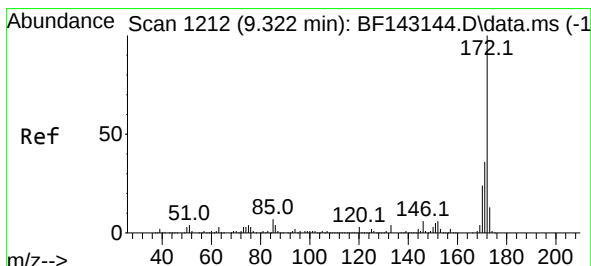
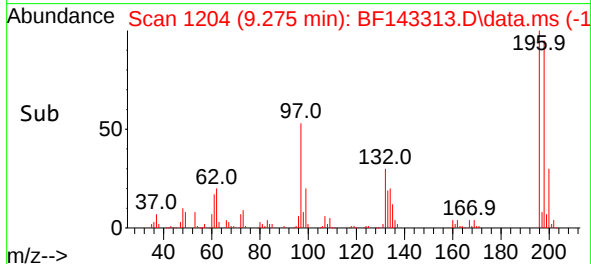
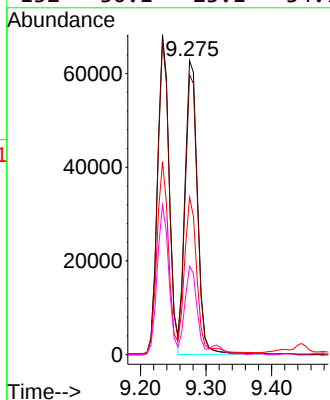
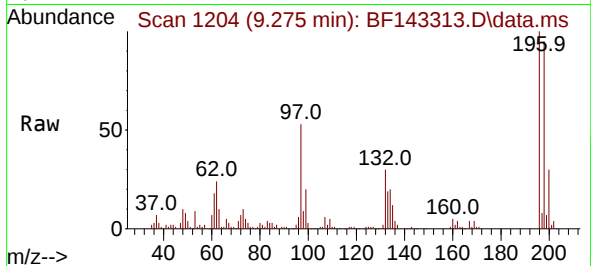




#44
2,4,5-Trichlorophenol
Concen: 18.388 ng
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

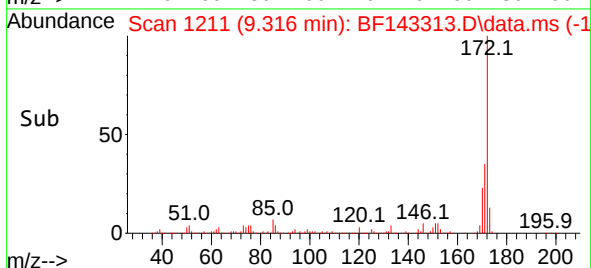
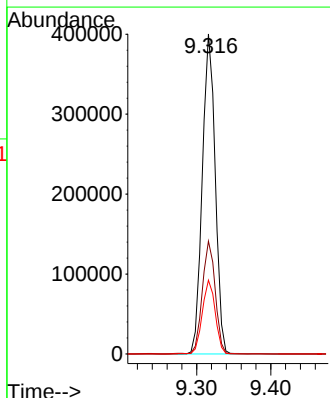
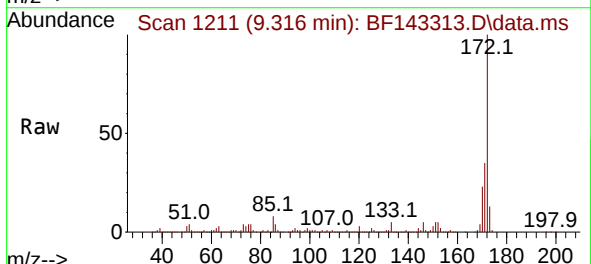
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

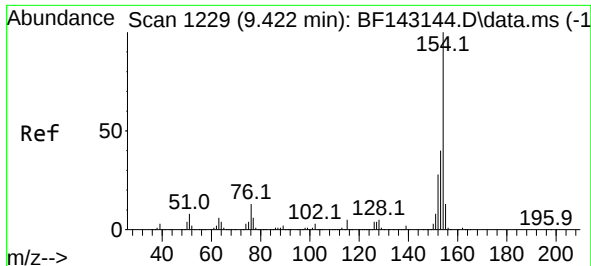
Tgt Ion:196 Resp: 82644
Ion Ratio Lower Upper
196 100
198 95.2 77.3 115.9
97 53.5 40.3 60.5
132 30.1 23.1 34.7



#45
2-Fluorobiphenyl
Concen: 29.488 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:172 Resp: 484848
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.1 18.8 28.2





#46

1,1'-Biphenyl

Concen: 21.795 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

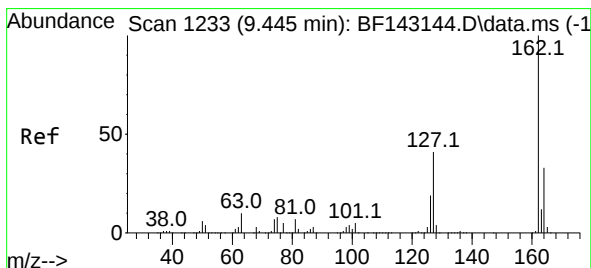
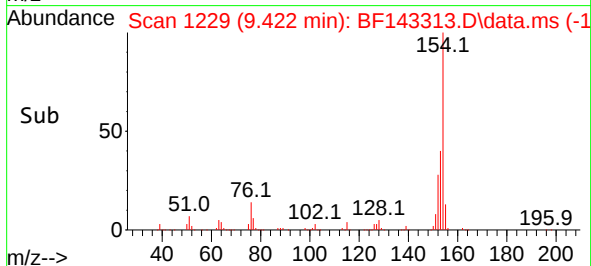
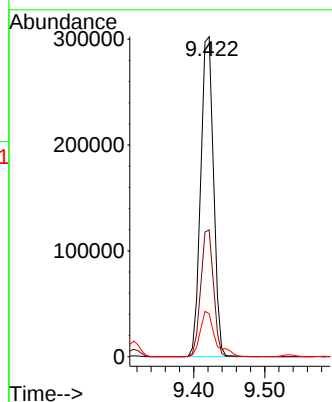
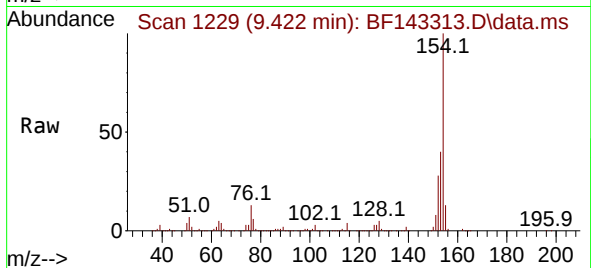
Tgt Ion:154 Resp: 382379

Ion Ratio Lower Upper

154 100

153 39.6 20.3 60.3

76 13.5 0.0 33.3



#47

2-Chloronaphthalene

Concen: 20.244 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

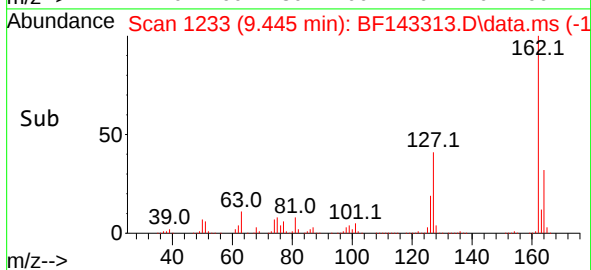
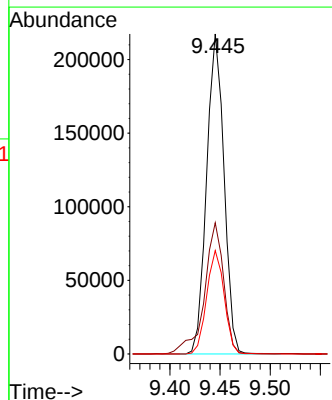
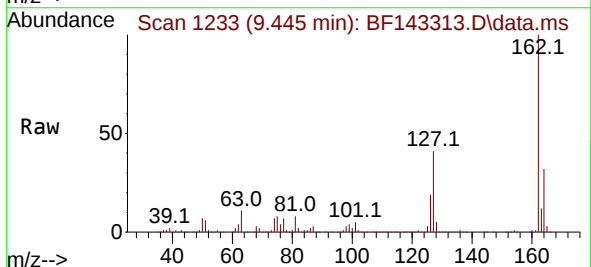
Tgt Ion:162 Resp: 262793

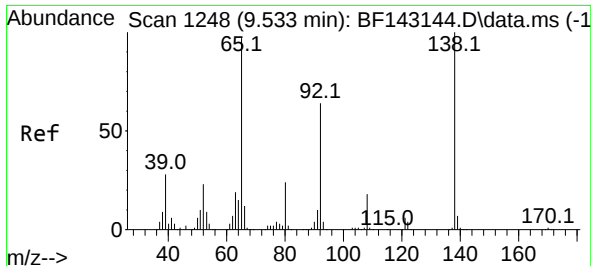
Ion Ratio Lower Upper

162 100

127 41.0 33.4 50.2

164 32.3 26.2 39.2

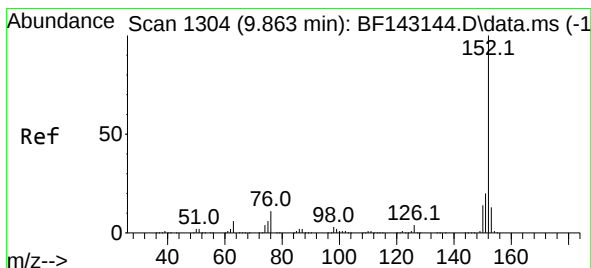
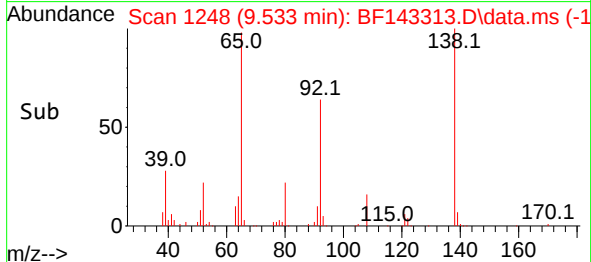
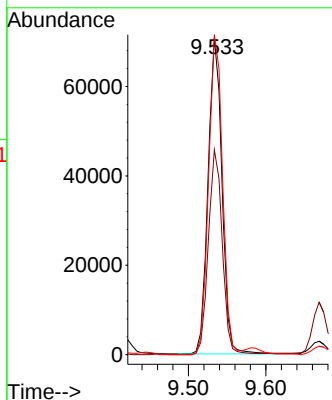
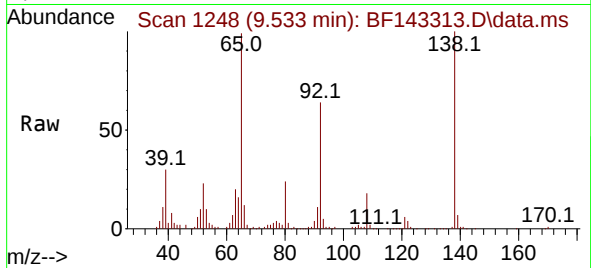




#48
2-Nitroaniline
Concen: 21.653 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

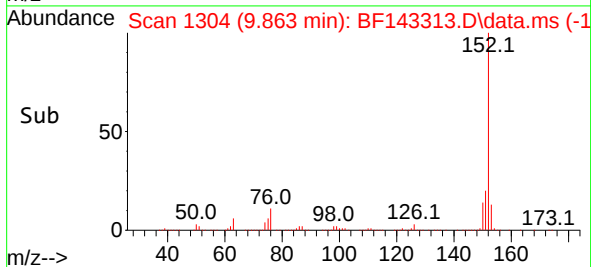
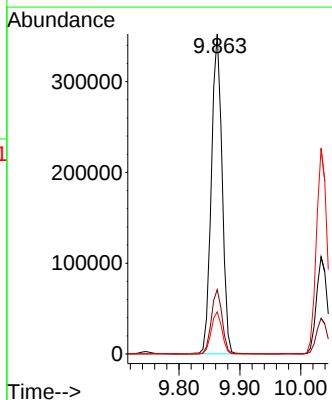
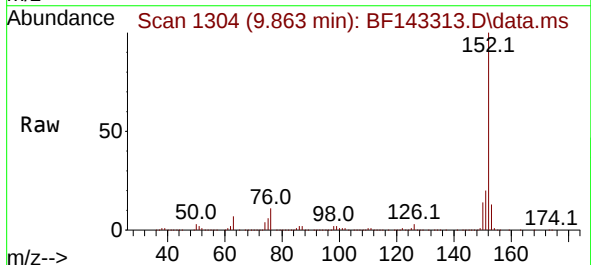
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

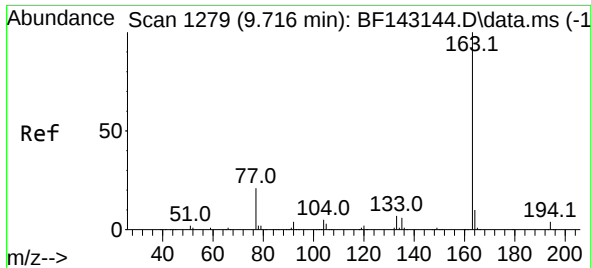
Tgt Ion: 65 Resp: 88146
Ion Ratio Lower Upper
65 100
92 64.6 52.4 78.6
138 100.9 82.3 123.5



#49
Acenaphthylene
Concen: 19.781 ng
RT: 9.863 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:152 Resp: 430327
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.1 10.6 16.0

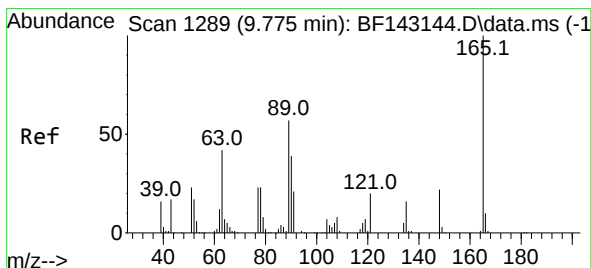
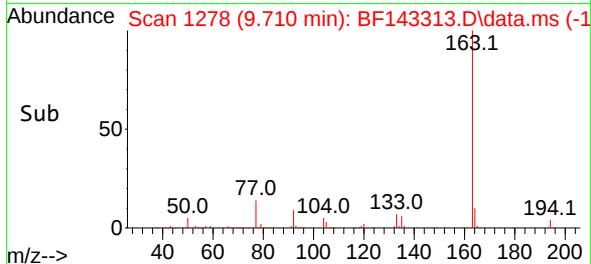
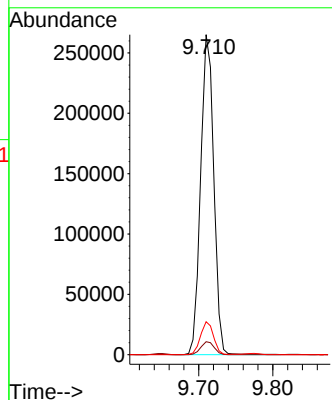
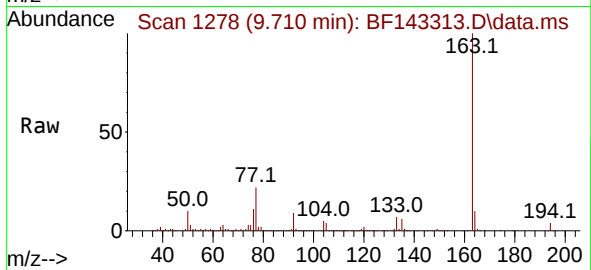




#50
Dimethylphthalate
Concen: 22.245 ng
RT: 9.710 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

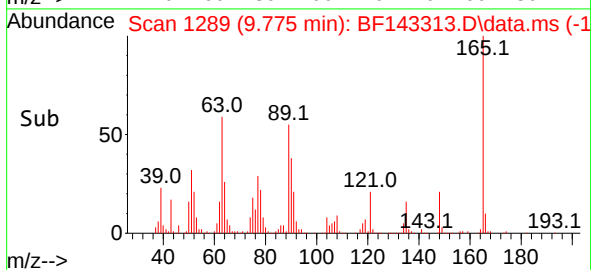
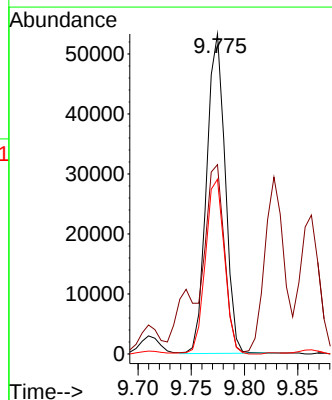
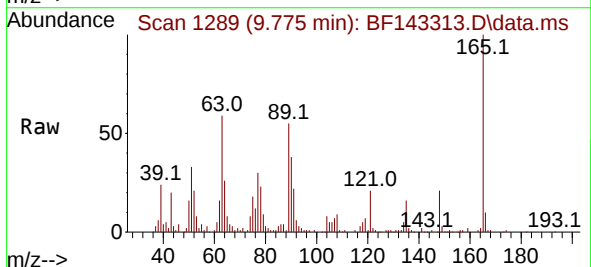
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

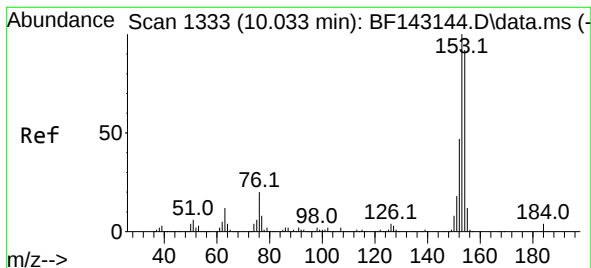
Tgt Ion:163 Resp: 326052
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.3 8.3 12.5



#51
2,6-Dinitrotoluene
Concen: 21.671 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:165 Resp: 64618
Ion Ratio Lower Upper
165 100
63 59.2 49.4 74.2
89 54.6 46.2 69.2





#52

Acenaphthene

Concen: 20.035 ng

RT: 10.033 min Scan# 1333

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

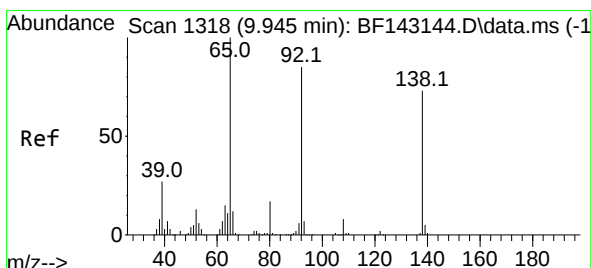
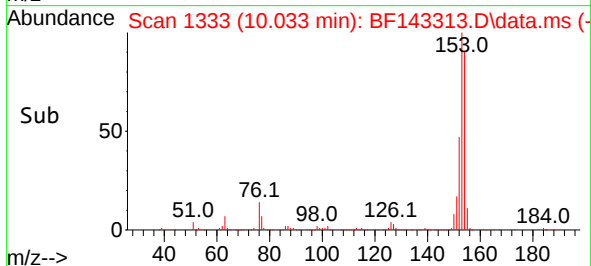
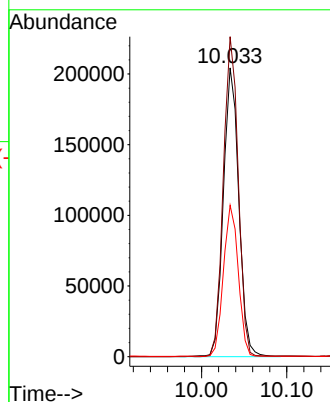
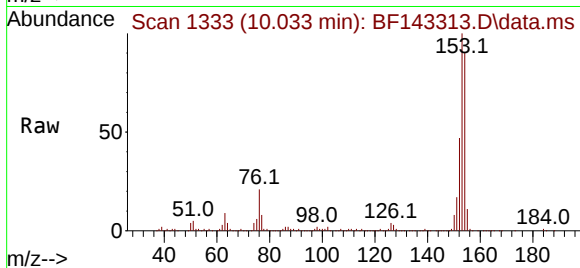
Tgt Ion:154 Resp: 257617

Ion Ratio Lower Upper

154 100

153 110.8 86.6 129.8

152 52.4 40.4 60.6



#53

3-Nitroaniline

Concen: 13.560 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

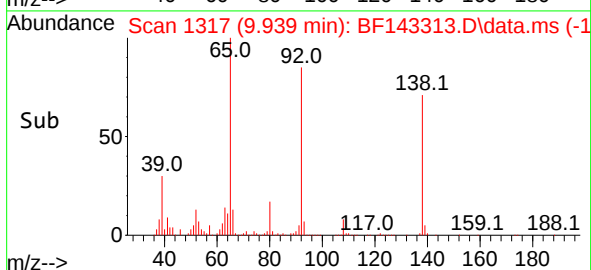
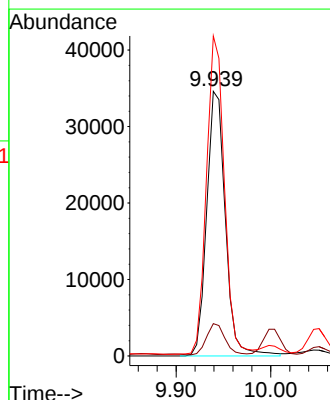
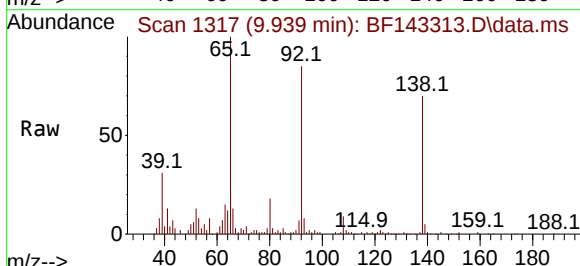
Tgt Ion:138 Resp: 47291

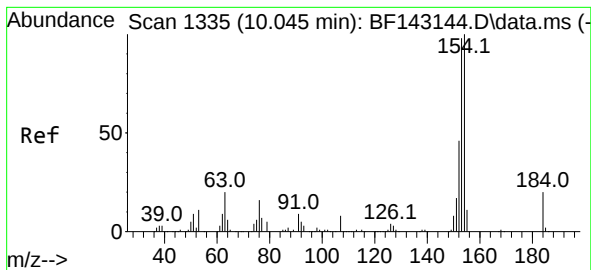
Ion Ratio Lower Upper

138 100

108 12.2 9.0 13.6

92 120.9 93.0 139.4

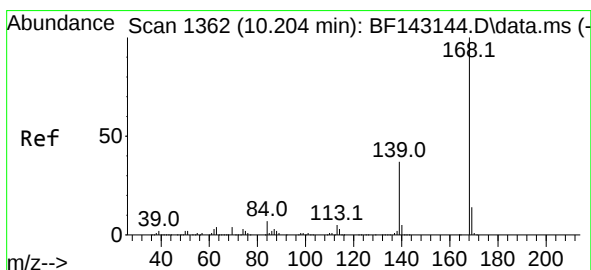
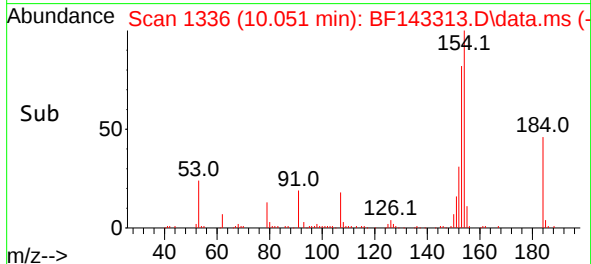
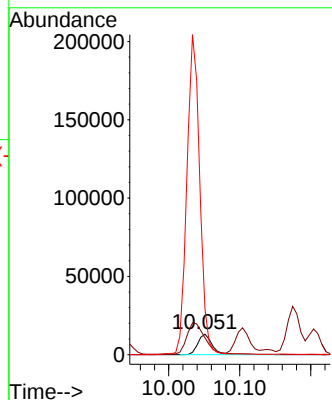
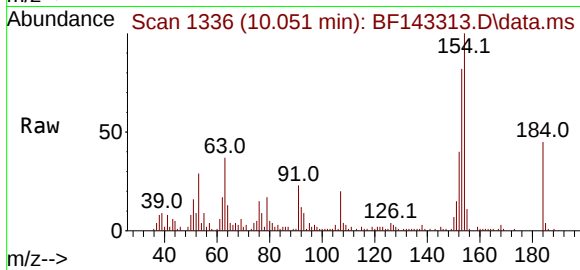




#54
2,4-Dinitrophenol
Concen: 19.684 ng
RT: 10.051 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

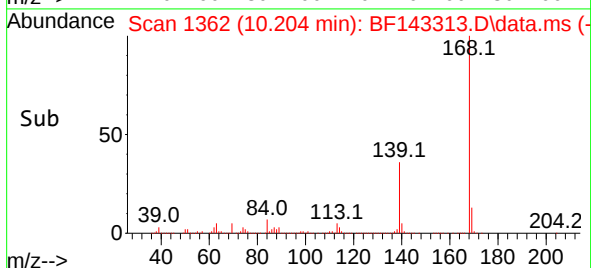
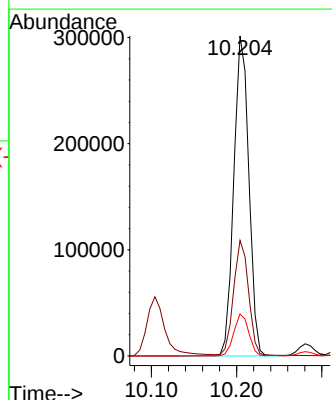
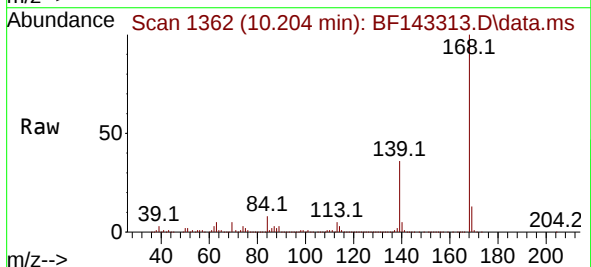
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

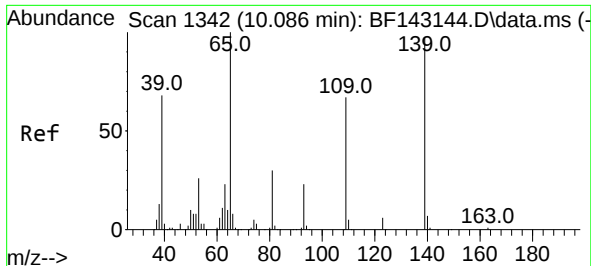
Tgt Ion:184 Resp: 19195
Ion Ratio Lower Upper
184 100
63 82.1 81.8 122.6
154 221.0 412.2 618.4#



#55
Dibenzofuran
Concen: 19.428 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:168 Resp: 370877
Ion Ratio Lower Upper
168 100
139 36.1 29.5 44.3
169 13.1 10.9 16.3

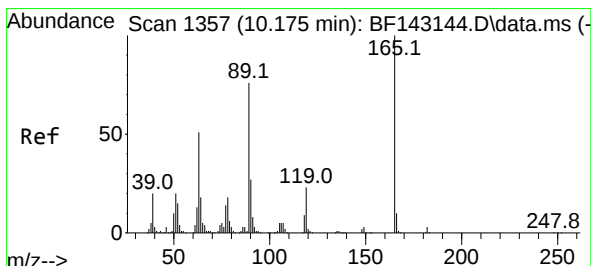
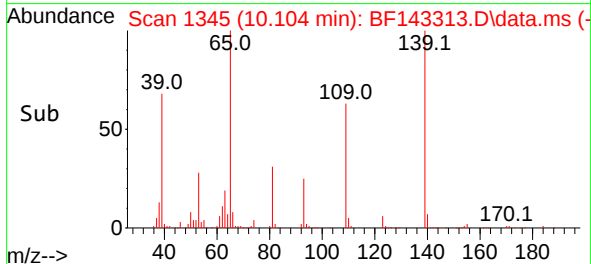
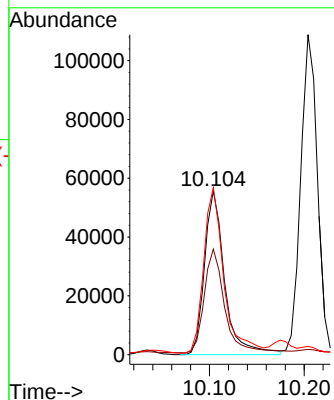
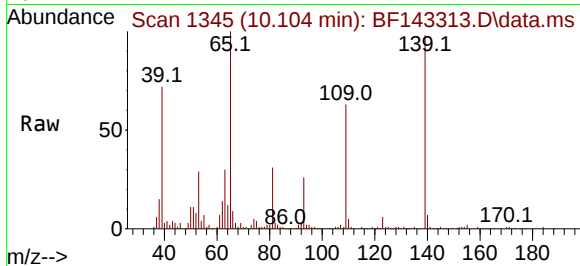




#56
4-Nitrophenol
Concen: 31.613 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

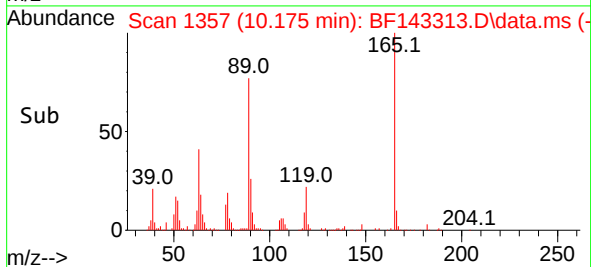
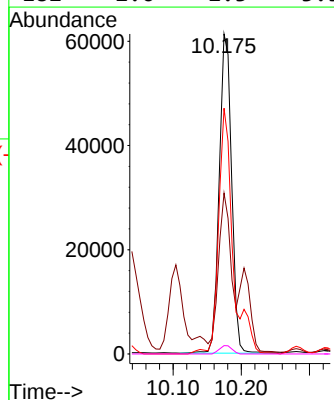
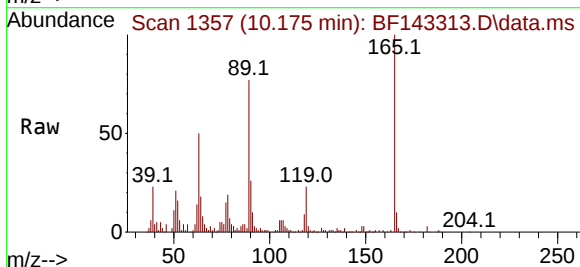
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

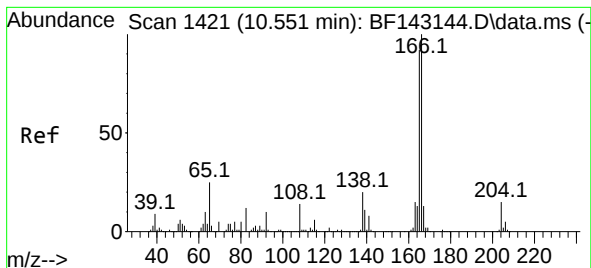
Tgt Ion:139 Resp: 82334
Ion Ratio Lower Upper
139 100
109 64.4 48.5 88.5
65 101.9 83.4 123.4



#57
2,4-Dinitrotoluene
Concen: 20.686 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:165 Resp: 77385
Ion Ratio Lower Upper
165 100
63 50.2 41.0 61.4
89 76.8 61.1 91.7
182 2.6 2.3 3.5





#58

Fluorene

Concen: 19.385 ng

RT: 10.551 min Scan# 1421

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

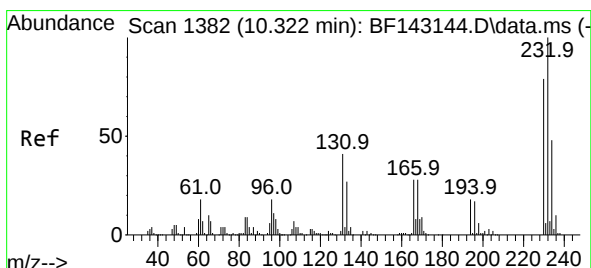
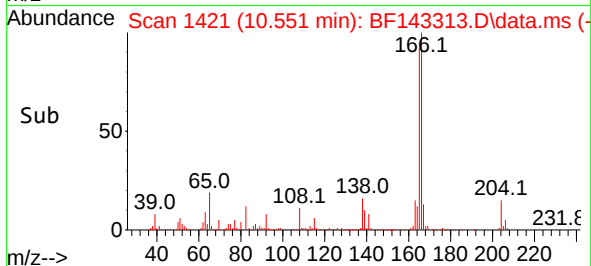
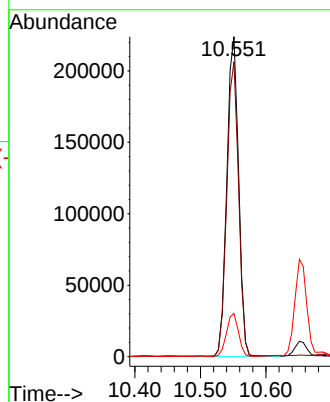
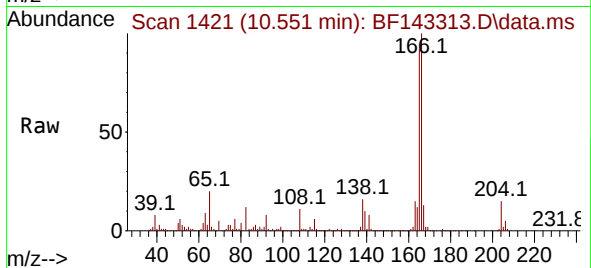
Tgt Ion:166 Resp: 277735

Ion Ratio Lower Upper

166 100

165 92.2 73.7 110.5

167 13.5 10.6 16.0



#59

2,3,4,6-Tetrachlorophenol

Concen: 16.922 ng

RT: 10.328 min Scan# 1383

Delta R.T. 0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Tgt Ion:232 Resp: 63002

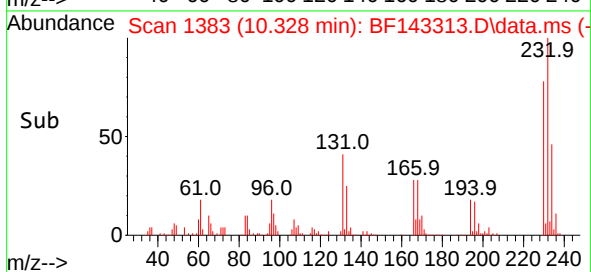
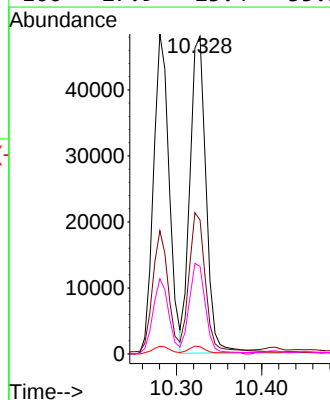
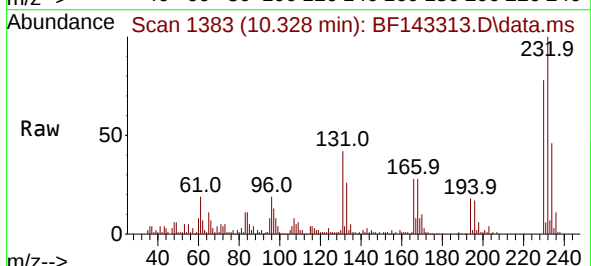
Ion Ratio Lower Upper

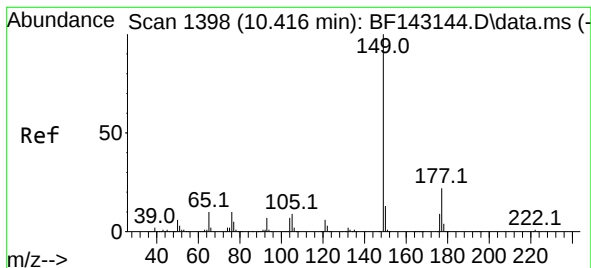
232 100

131 42.5 35.3 52.9

130 2.1 1.7 2.5

166 27.9 23.4 35.2





#60

Diethylphthalate

Concen: 21.081 ng

RT: 10.416 min Scan# 1398

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

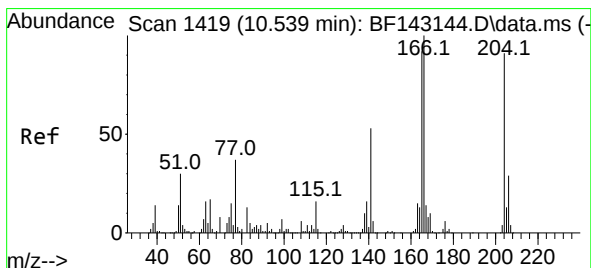
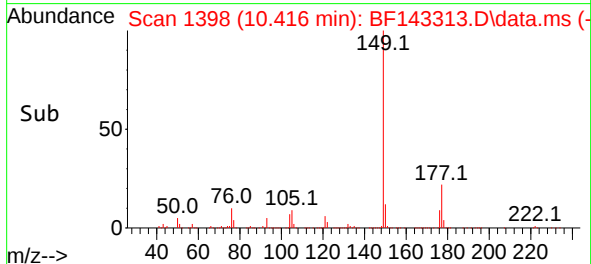
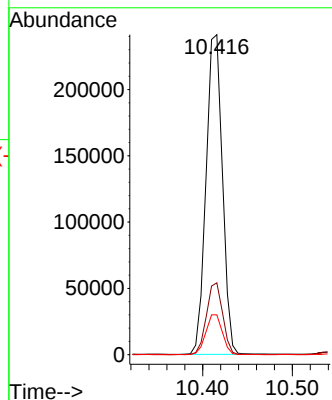
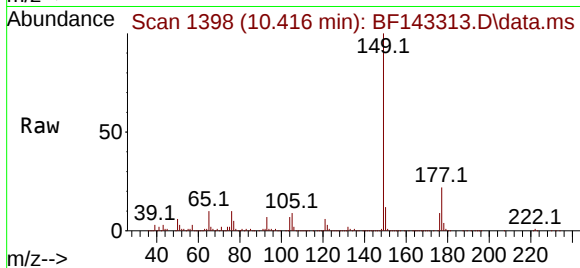
Tgt Ion:149 Resp: 305410

Ion Ratio Lower Upper

149 100

177 22.5 17.5 26.3

150 12.5 10.2 15.2



#61

4-Chlorophenyl-phenylether

Concen: 19.567 ng

RT: 10.539 min Scan# 1419

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

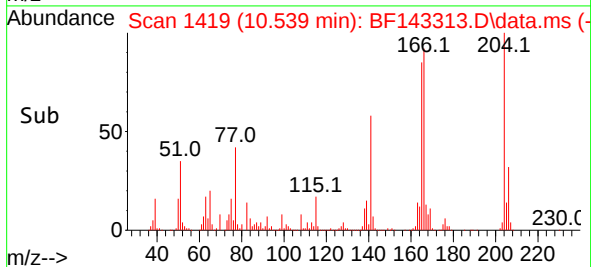
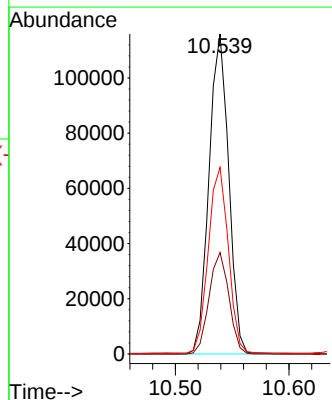
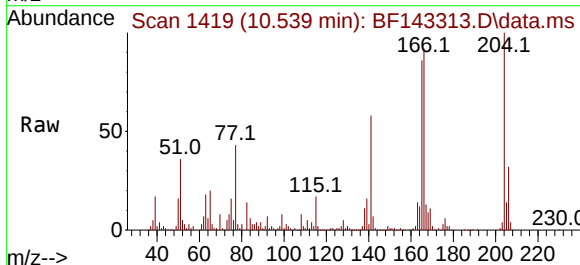
Tgt Ion:204 Resp: 139599

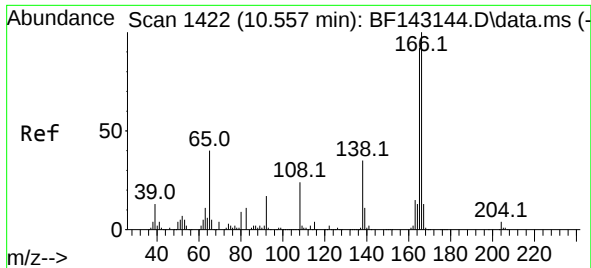
Ion Ratio Lower Upper

204 100

206 31.7 25.8 38.8

141 58.3 47.0 70.4

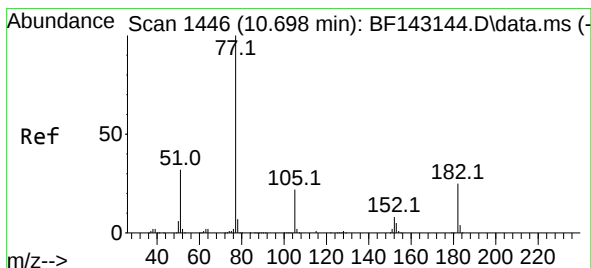
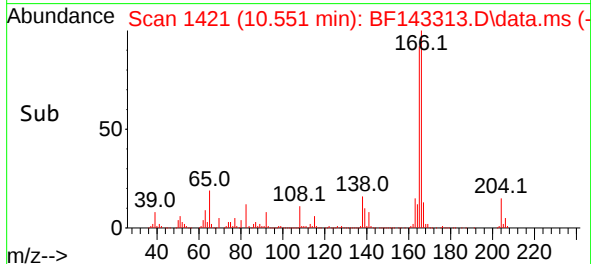
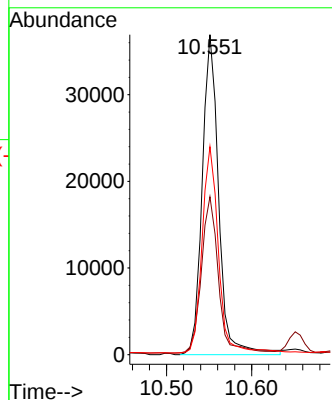
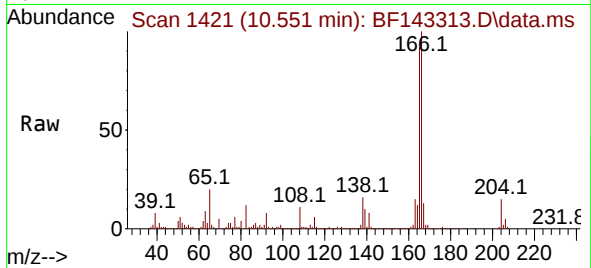




#62
4-Nitroaniline
Concen: 16.608 ng
RT: 10.551 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

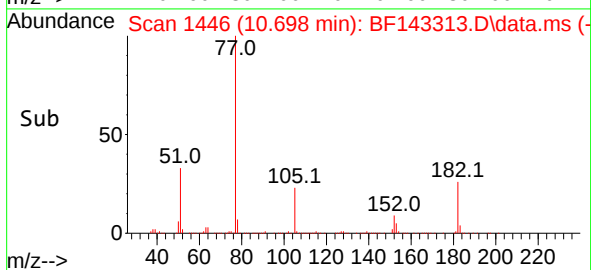
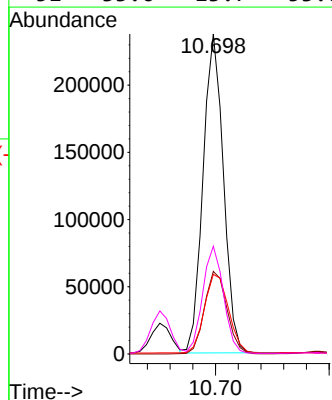
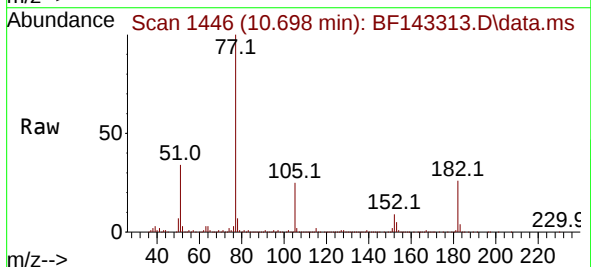
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

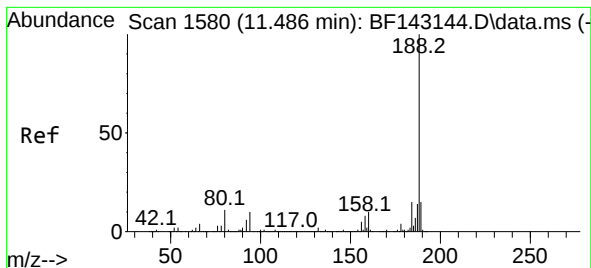
Tgt Ion:138 Resp: 49643
Ion Ratio Lower Upper
138 100
92 49.3 29.3 69.3
108 65.0 48.3 88.3



#63
Azobenzene
Concen: 19.564 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 77 Resp: 295403
Ion Ratio Lower Upper
77 100
182 25.8 4.6 44.6
105 24.8 1.4 41.4
51 33.6 13.7 53.7

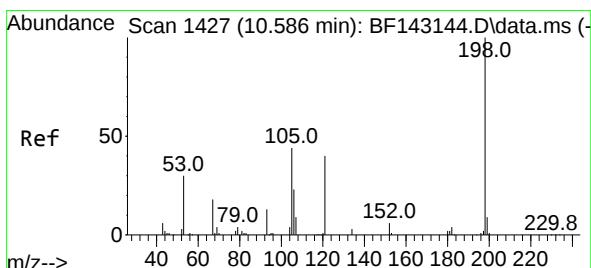
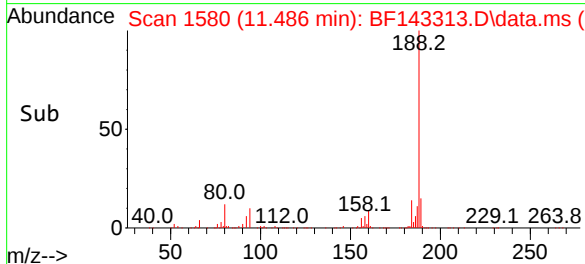
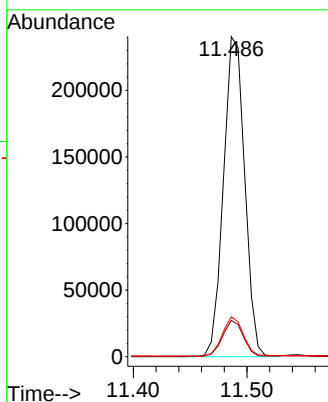
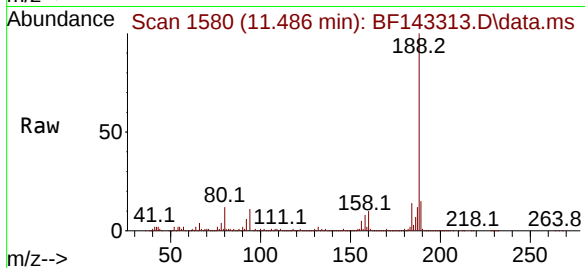




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

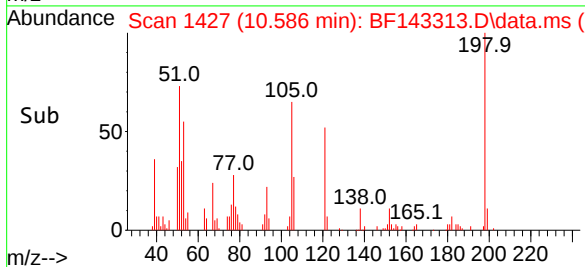
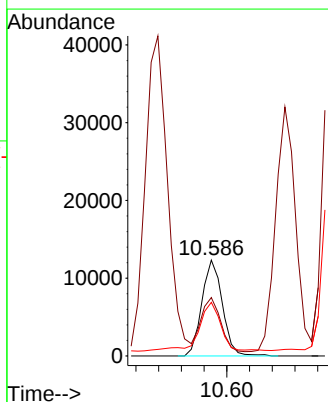
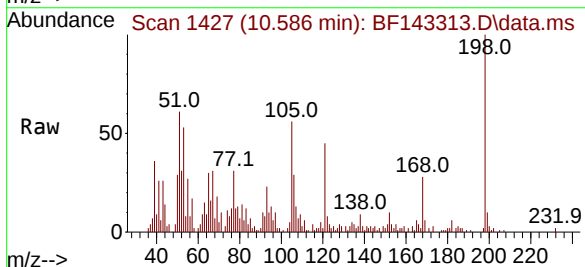
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

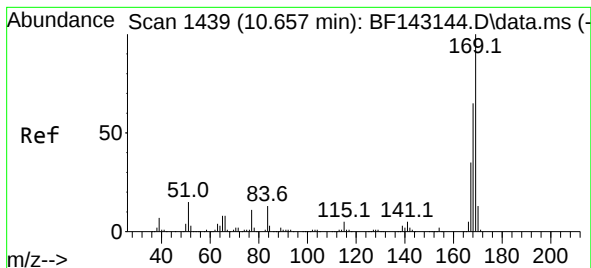
Tgt Ion:188 Resp: 312204
Ion Ratio Lower Upper
188 100
94 11.3 8.3 12.5
80 12.4 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 13.794 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:198 Resp: 15461
Ion Ratio Lower Upper
198 100
51 60.9 37.2 77.2
105 55.9 24.8 64.8





#66

n-Nitrosodiphenylamine

Concen: 21.866 ng

RT: 10.651 min Scan# 1438

Delta R.T. -0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

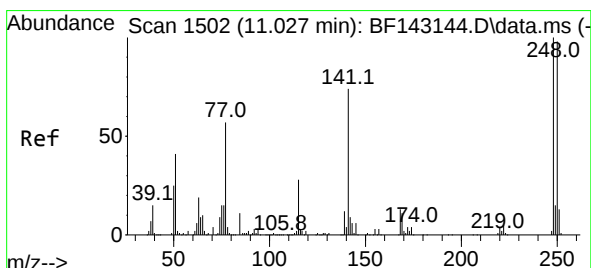
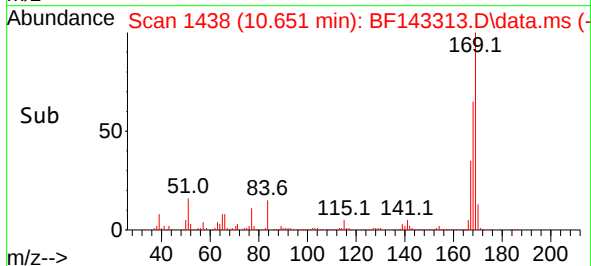
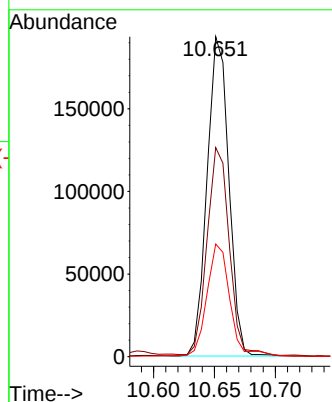
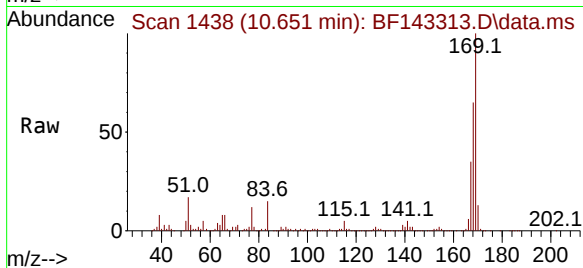
Tgt Ion:169 Resp: 240384

Ion Ratio Lower Upper

169 100

168 65.4 52.1 78.1

167 35.2 28.2 42.2



#67

4-Bromophenyl-phenylether

Concen: 20.583 ng

RT: 11.027 min Scan# 1502

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

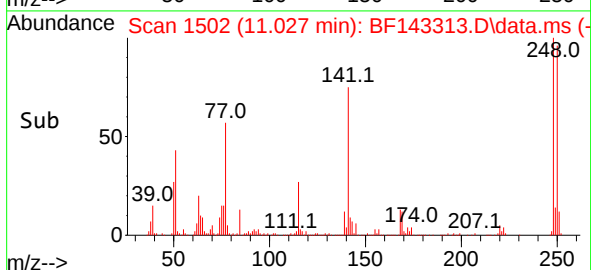
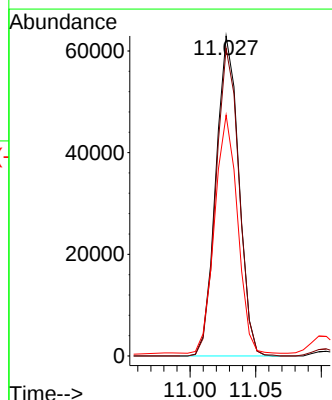
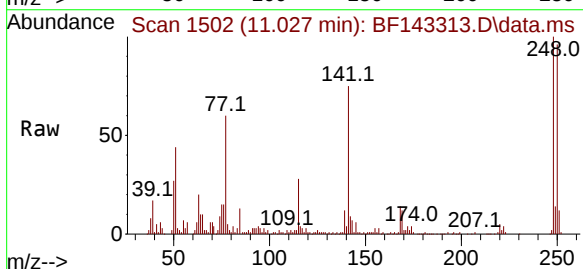
Tgt Ion:248 Resp: 76580

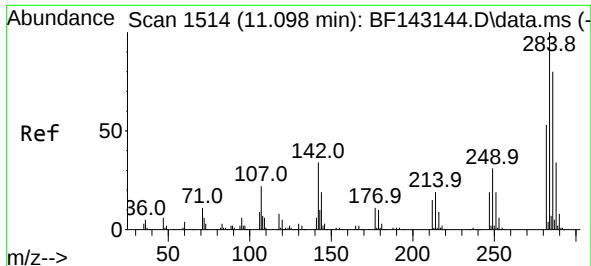
Ion Ratio Lower Upper

248 100

250 96.1 78.3 117.5

141 75.3 59.2 88.8

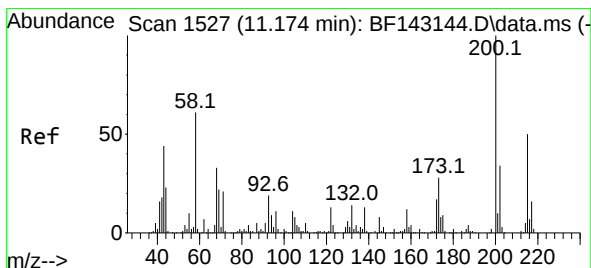
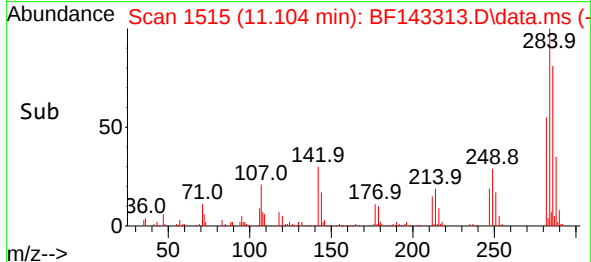
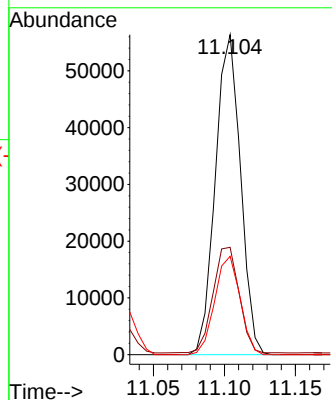
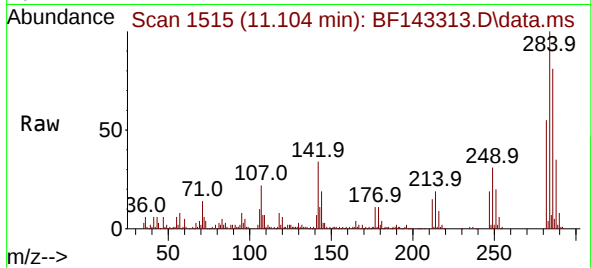




#68
Hexachlorobenzene
Concen: 17.841 ng
RT: 11.104 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

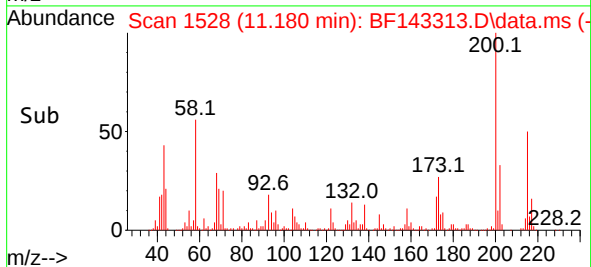
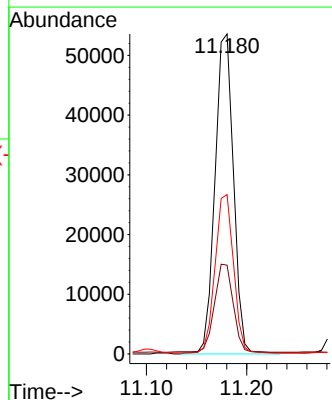
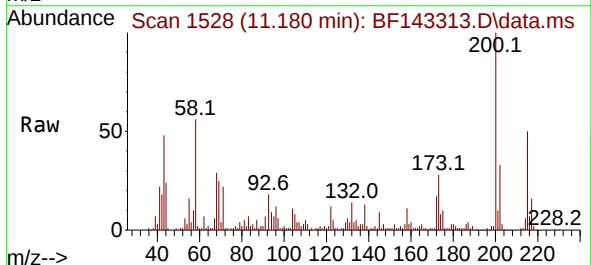
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

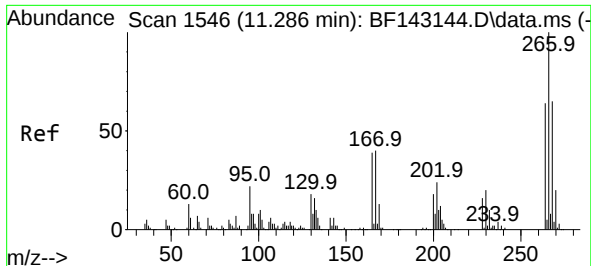
Tgt Ion:284 Resp: 69382
Ion Ratio Lower Upper
284 100
142 33.5 27.0 40.6
249 30.8 25.0 37.6



#69
Atrazine
Concen: 22.647 ng
RT: 11.180 min Scan# 1528
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:200 Resp: 68641
Ion Ratio Lower Upper
200 100
173 27.7 7.9 47.9
215 49.8 30.1 70.1

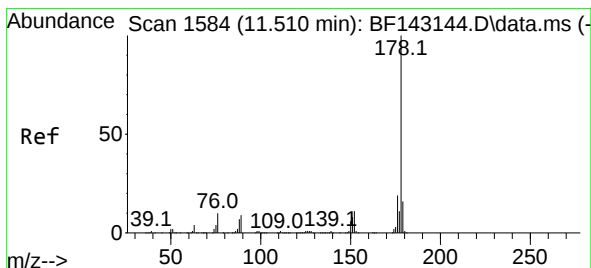
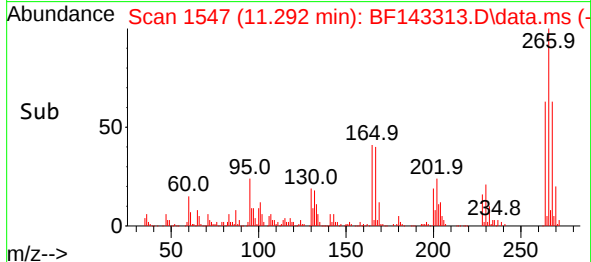
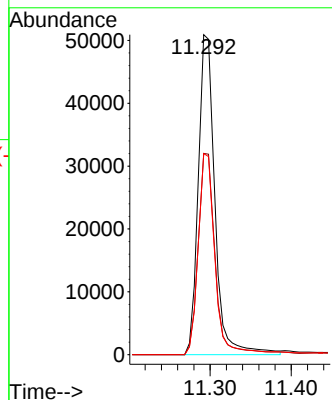
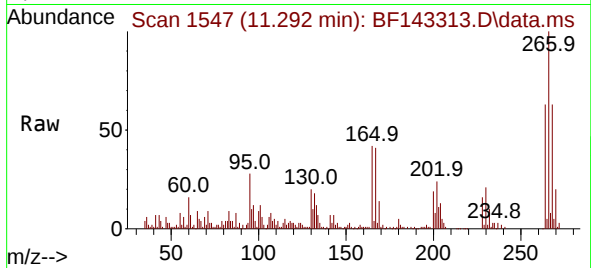




#70
 Pentachlorophenol
 Concen: 31.892 ng
 RT: 11.292 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143313.D
 Acq: 05 Aug 2025 13:59

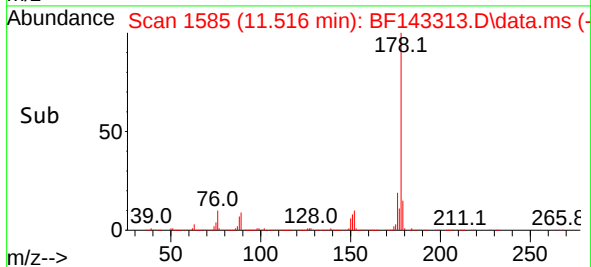
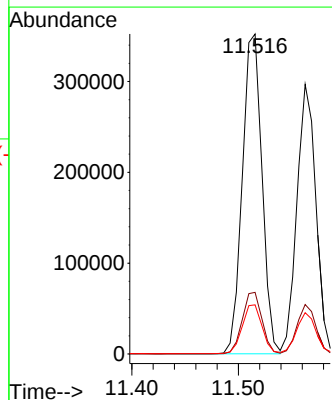
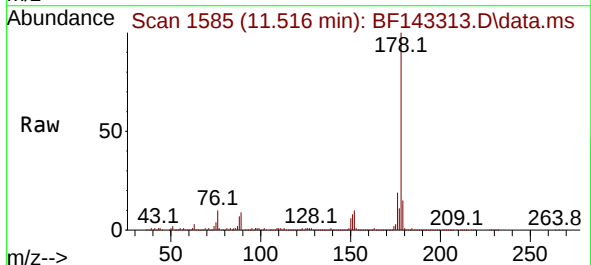
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-253MS

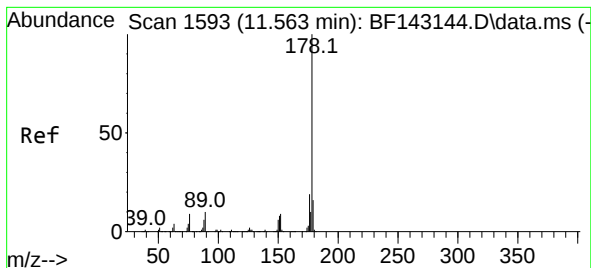
Tgt Ion:266 Resp: 72936
 Ion Ratio Lower Upper
 266 100
 268 62.9 51.9 77.9
 264 62.9 51.0 76.6



#71
 Phenanthrene
 Concen: 27.339 ng
 RT: 11.516 min Scan# 1585
 Delta R.T. 0.006 min
 Lab File: BF143313.D
 Acq: 05 Aug 2025 13:59

Tgt Ion:178 Resp: 453203
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.3 22.9
 179 15.3 12.5 18.7





#72

Anthracene

Concen: 21.800 ng

RT: 11.563 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

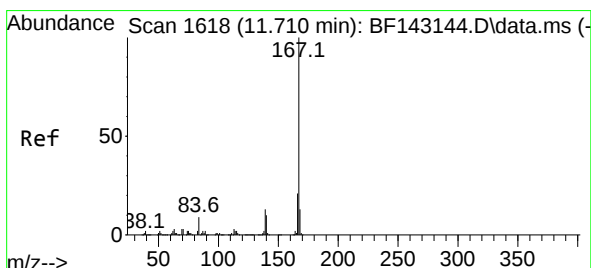
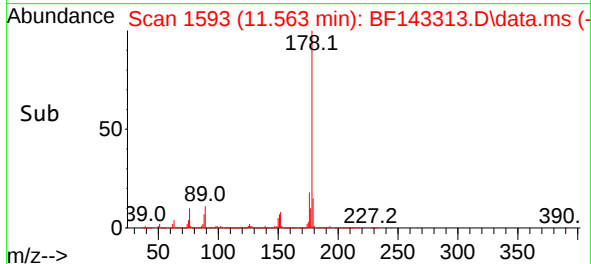
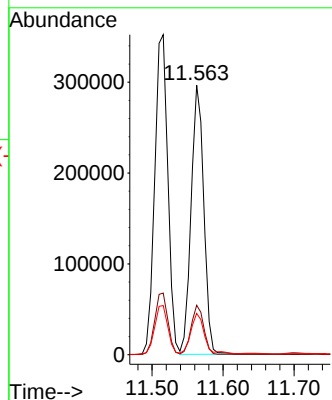
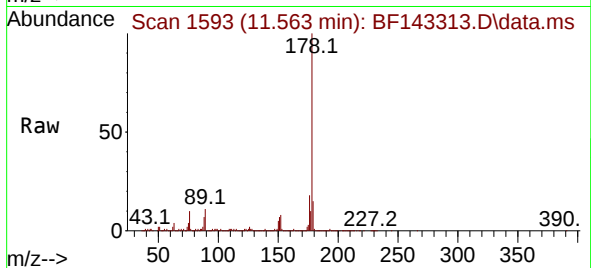
Tgt Ion:178 Resp: 368566

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

179 15.3 12.5 18.7



#73

Carbazole

Concen: 21.598 ng

RT: 11.716 min Scan# 1619

Delta R.T. 0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

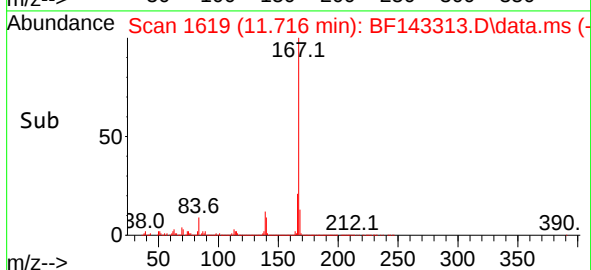
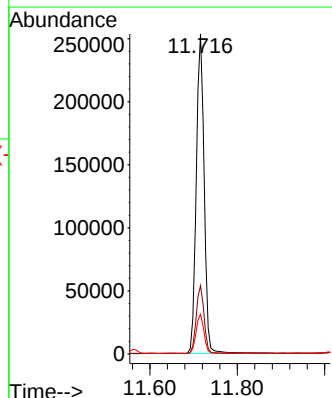
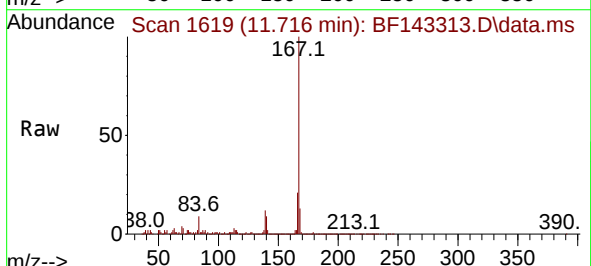
Tgt Ion:167 Resp: 318850

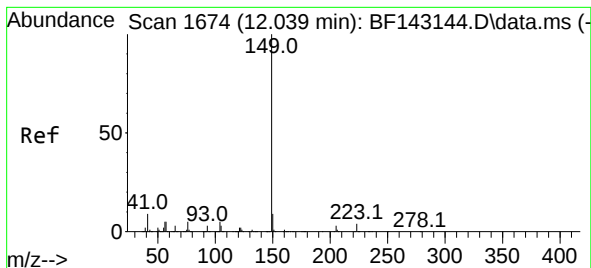
Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.6

139 12.4 10.0 15.0





#74

Di-n-butylphthalate

Concen: 23.896 ng

RT: 12.045 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

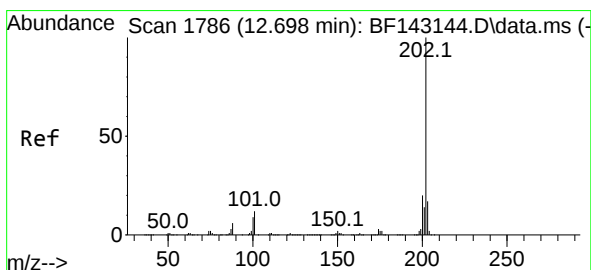
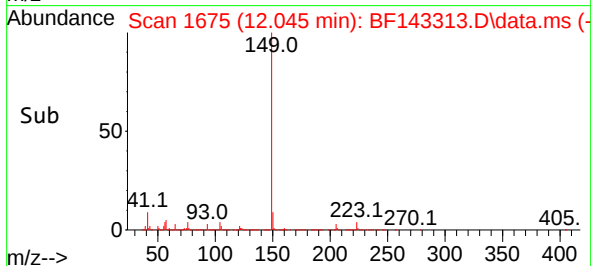
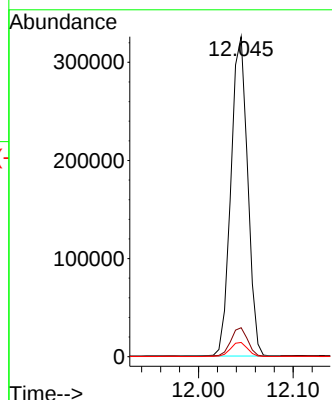
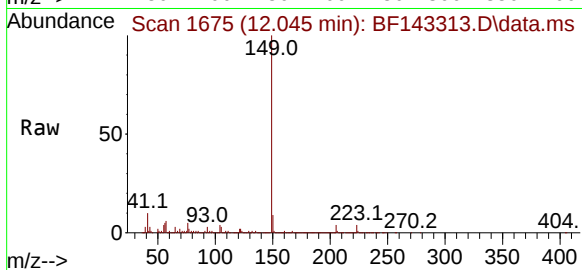
Tgt Ion:149 Resp: 399160

Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 4.5 3.8 5.8



#75

Fluoranthene

Concen: 45.155 ng

RT: 12.704 min Scan# 1787

Delta R.T. 0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

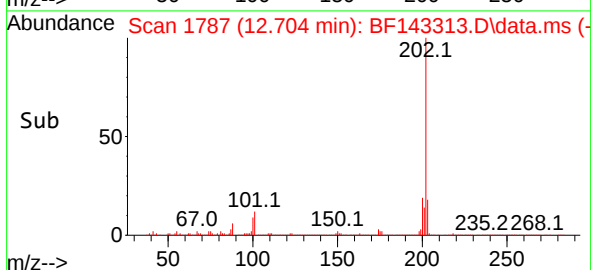
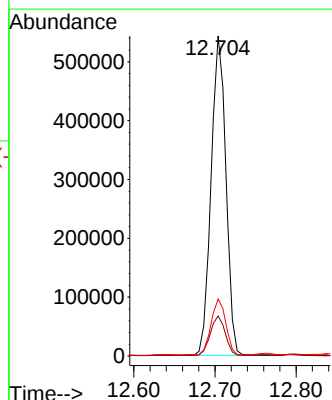
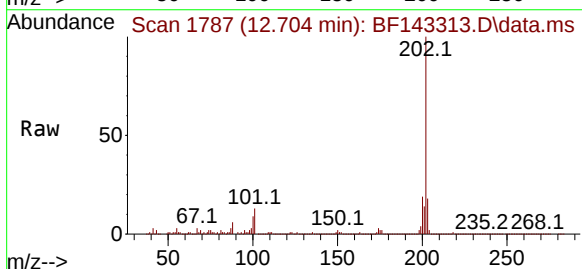
Tgt Ion:202 Resp: 687059

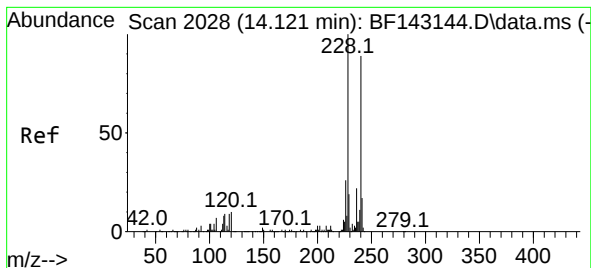
Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.7

203 17.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2028

Delta R.T. 0.012 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

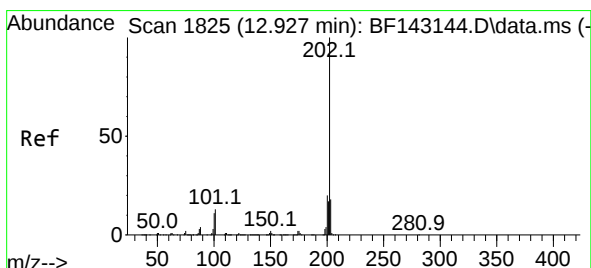
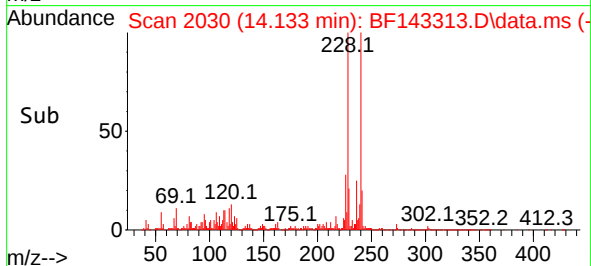
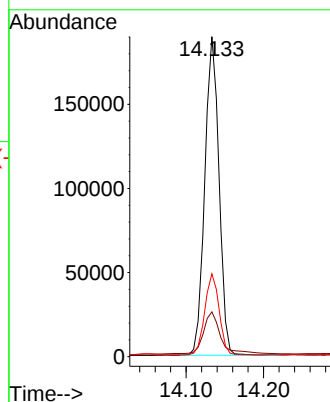
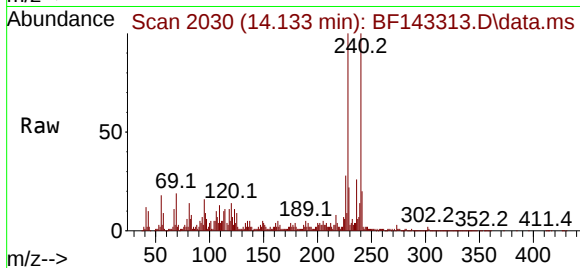
Tgt Ion:240 Resp: 241353

Ion Ratio Lower Upper

240 100

120 14.0 9.4 14.2

236 25.9 20.2 30.4



#78

Pyrene

Concen: 32.867 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

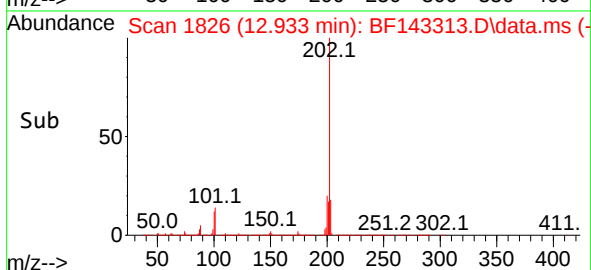
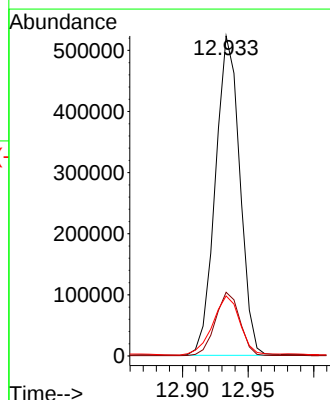
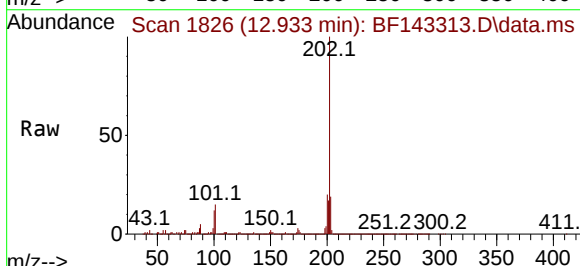
Tgt Ion:202 Resp: 677000

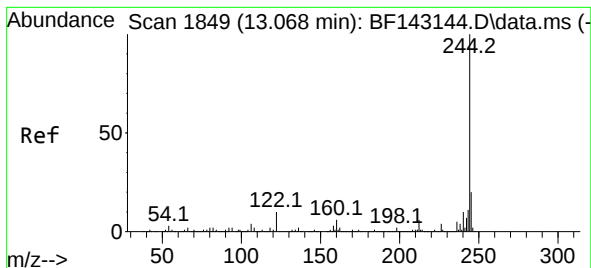
Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

203 18.8 14.2 21.2





#79

Terphenyl-d14

Concen: 23.499 ng

RT: 13.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

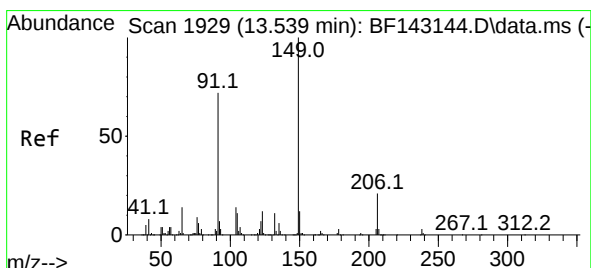
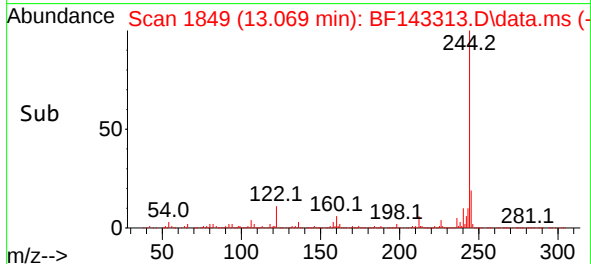
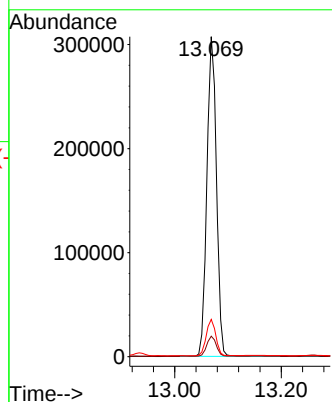
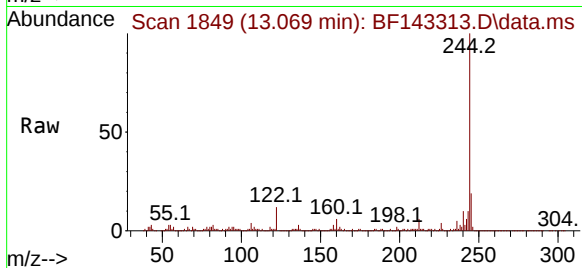
Tgt Ion:244 Resp: 381121

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 11.7 8.2 12.2



#80

Butylbenzylphthalate

Concen: 25.730 ng

RT: 13.545 min Scan# 1930

Delta R.T. 0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

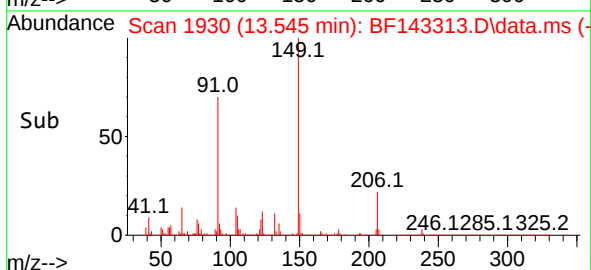
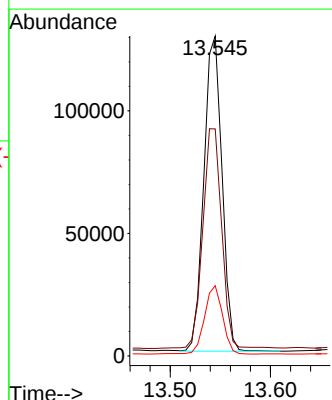
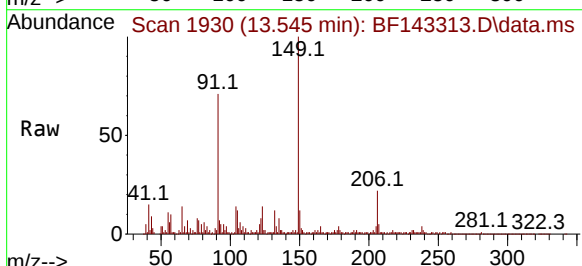
Tgt Ion:149 Resp: 162294

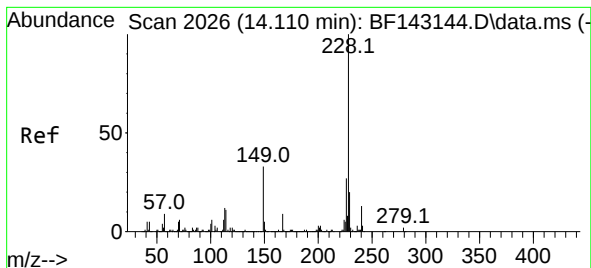
Ion Ratio Lower Upper

149 100

91 71.0 57.9 86.9

206 22.0 17.0 25.4





#81

Benzo(a)anthracene

Concen: 30.942 ng

RT: 14.121 min Scan# 2026

Delta R.T. 0.012 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

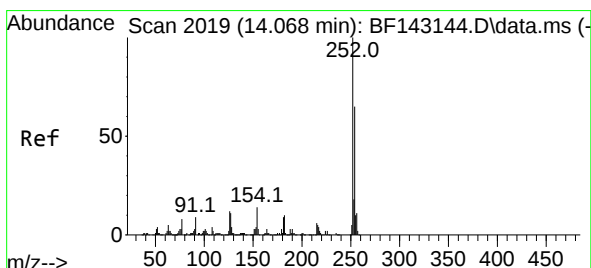
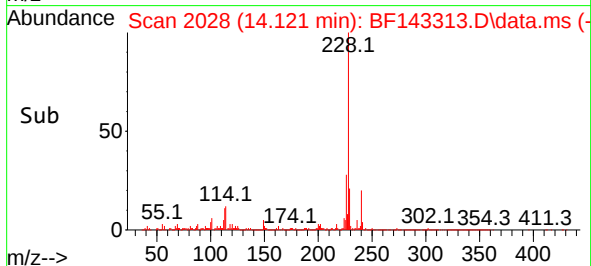
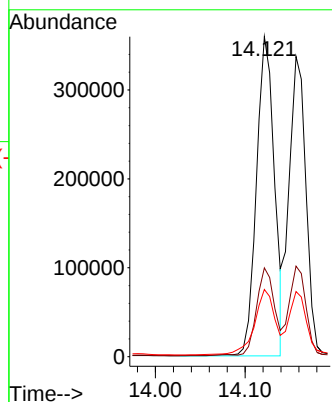
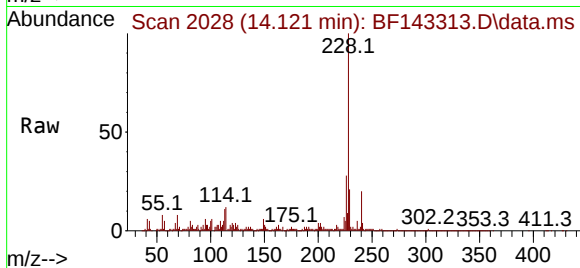
Tgt Ion:228 Resp: 499986

Ion Ratio Lower Upper

228 100

226 27.8 21.7 32.5

229 21.0 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 10.935 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.012 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

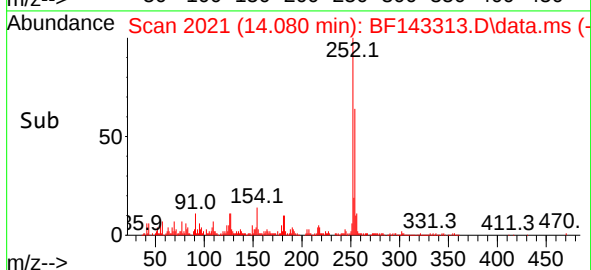
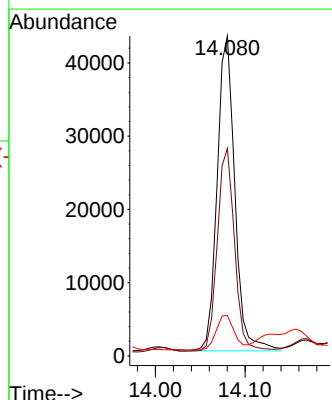
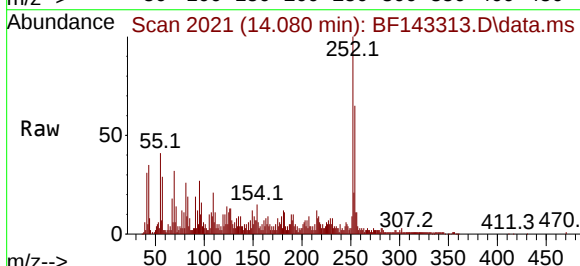
Tgt Ion:252 Resp: 58890

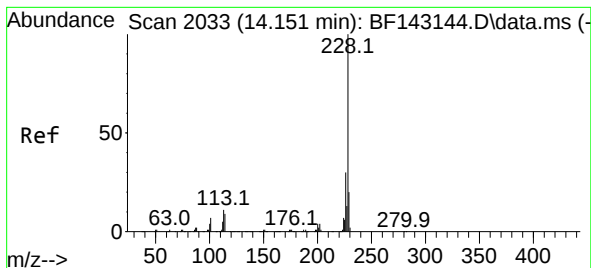
Ion Ratio Lower Upper

252 100

254 64.9 51.7 77.5

126 12.7 9.4 14.0





#83

Chrysene

Concen: 30.184 ng

RT: 14.157 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

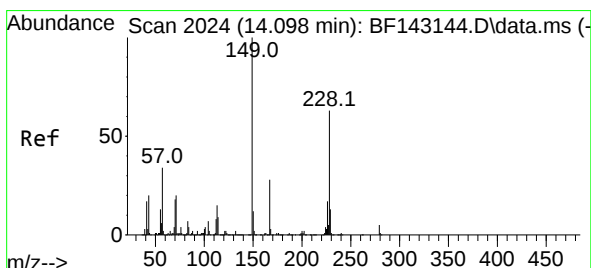
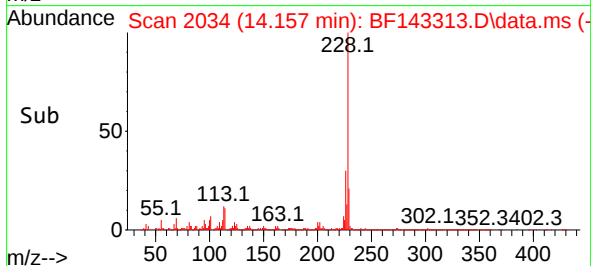
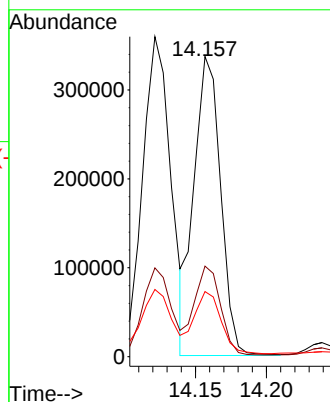
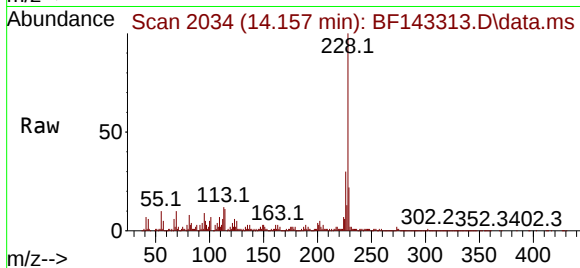
Tgt Ion:228 Resp: 438517

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 21.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 25.451 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

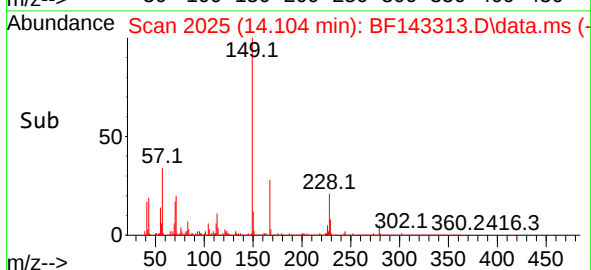
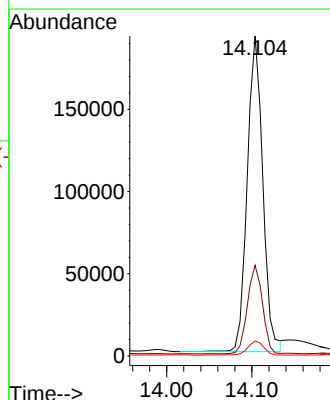
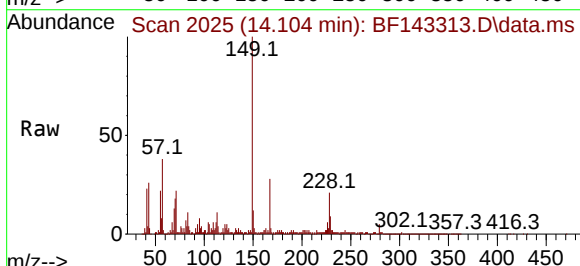
Tgt Ion:149 Resp: 242982

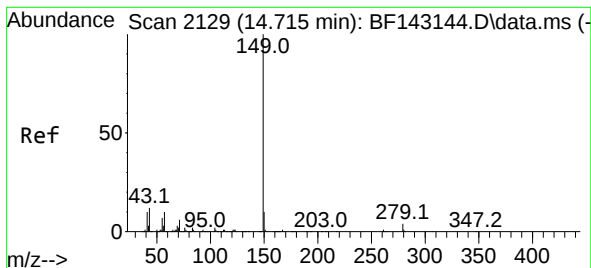
Ion Ratio Lower Upper

149 100

167 28.4 22.3 33.5

279 4.7 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 22.740 ng

RT: 14.721 min Scan# 2129

Delta R.T. 0.006 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

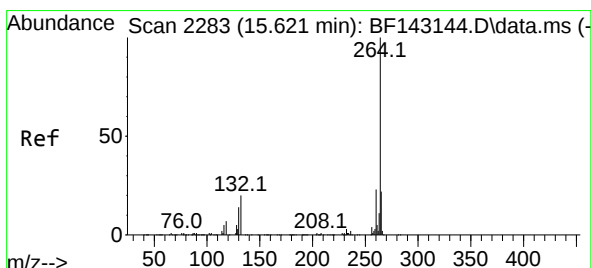
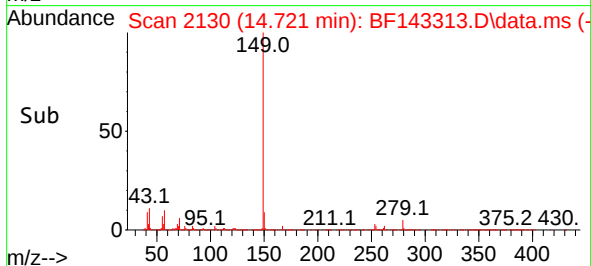
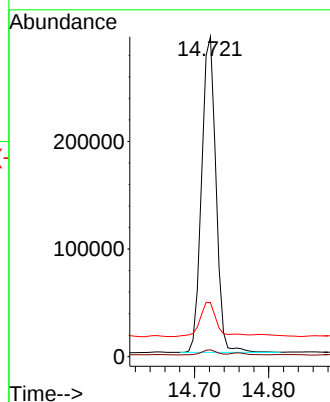
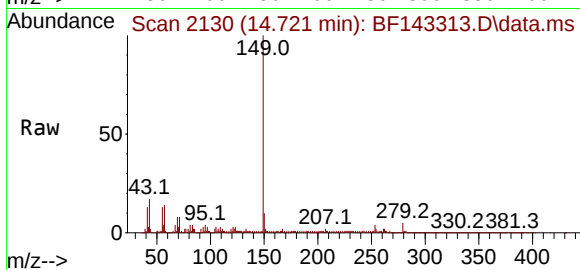
Tgt Ion:149 Resp: 393515

Ion Ratio Lower Upper

149 100

167 1.7 1.1 1.7

43 12.0 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 2287

Delta R.T. 0.024 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

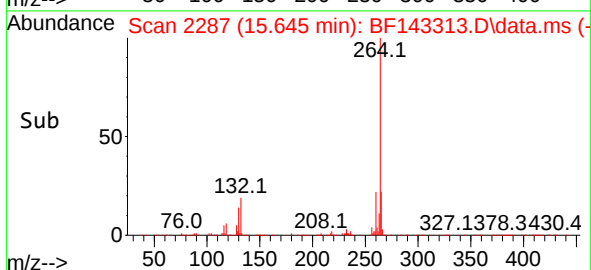
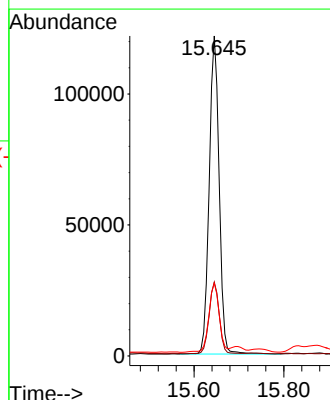
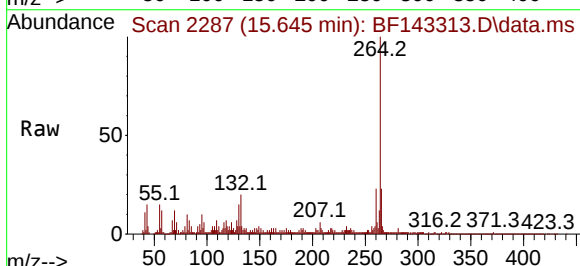
Tgt Ion:264 Resp: 186398

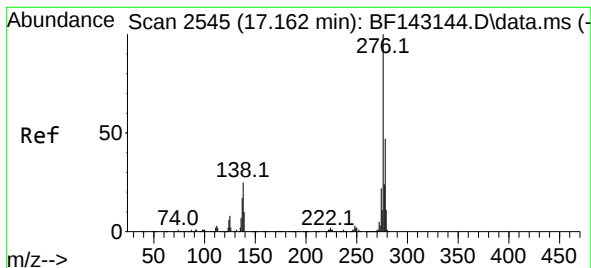
Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 22.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.738 ng

RT: 17.192 min Scan# 2111

Delta R.T. 0.029 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

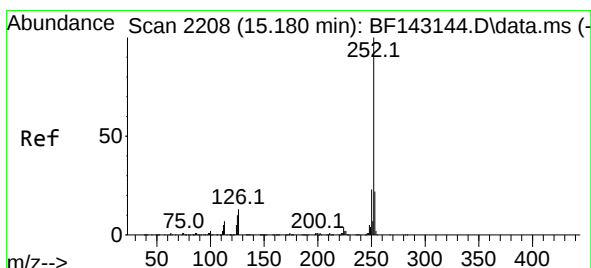
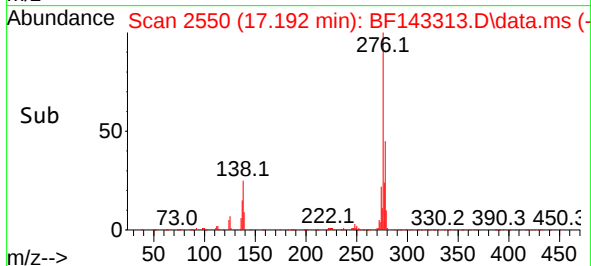
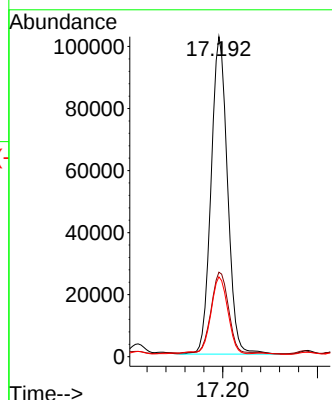
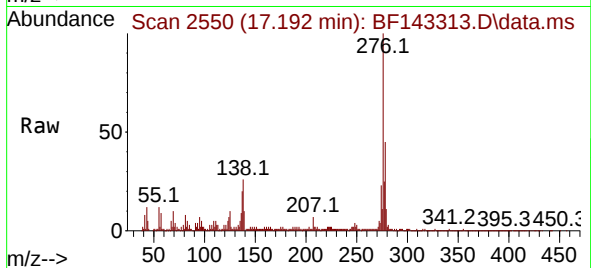
Tgt Ion:276 Resp: 246288

Ion Ratio Lower Upper

276 100

138 27.9 21.8 32.6

277 24.4 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 33.042 ng

RT: 15.198 min Scan# 2211

Delta R.T. 0.018 min

Lab File: BF143313.D

Acq: 05 Aug 2025 13:59

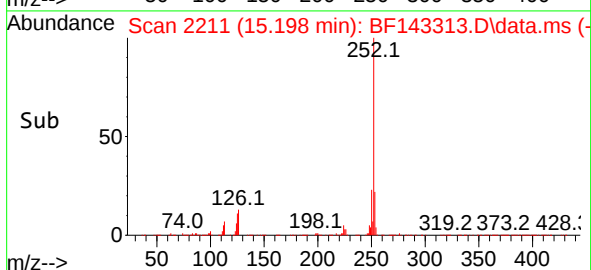
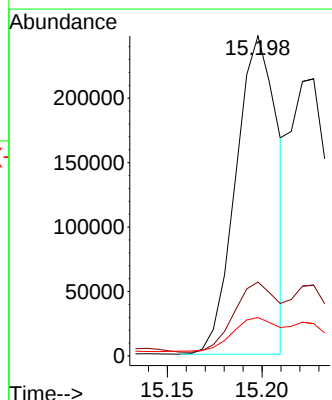
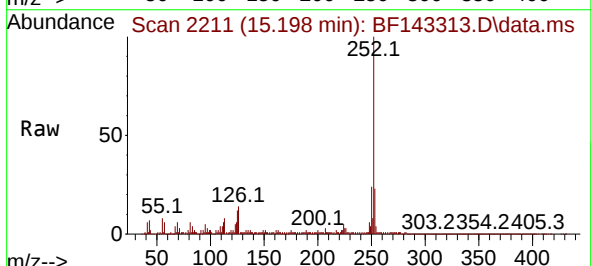
Tgt Ion:252 Resp: 376253

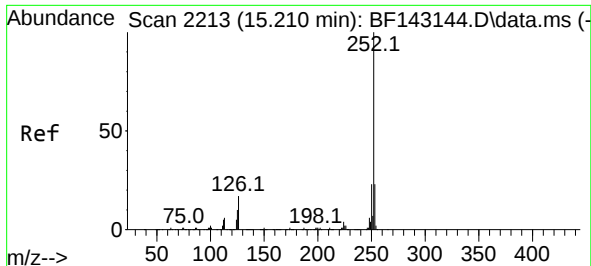
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 12.0 8.0 12.0#

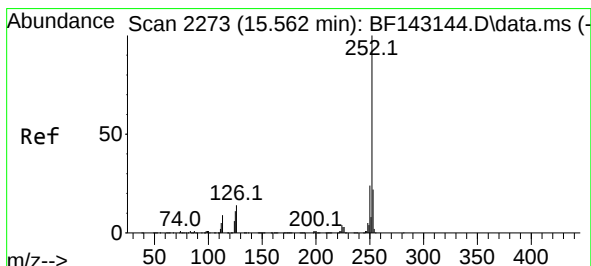
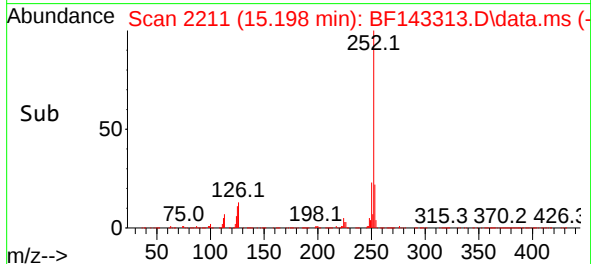
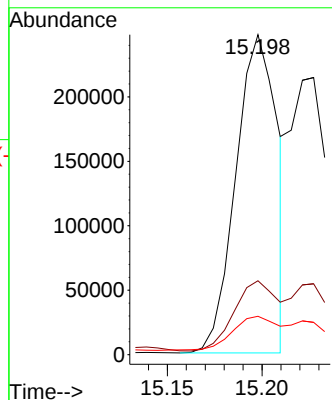
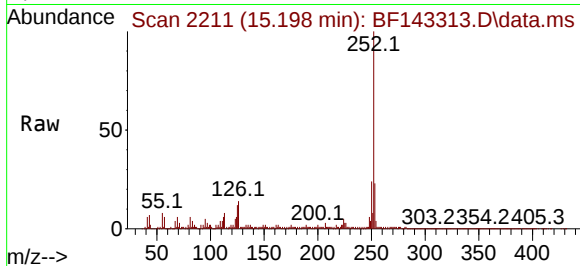




#89
Benzo(k)fluoranthene
Concen: 37.028 ng
RT: 15.198 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

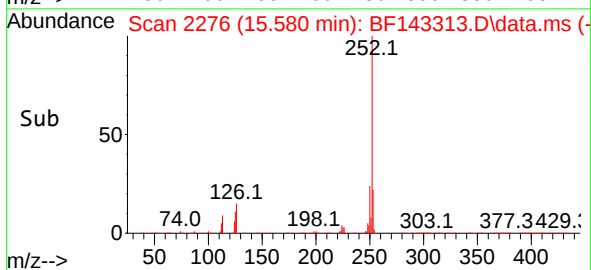
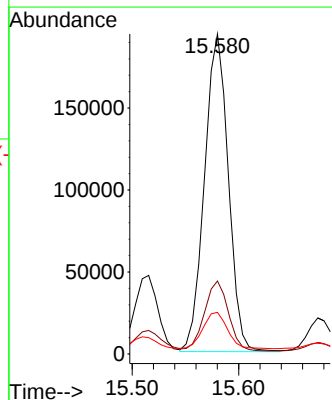
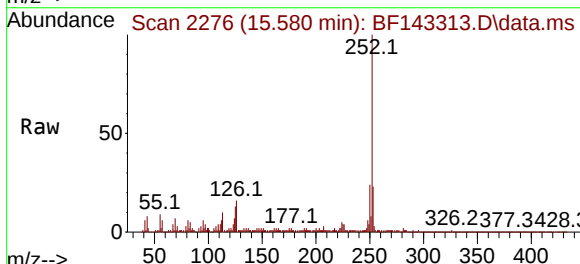
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

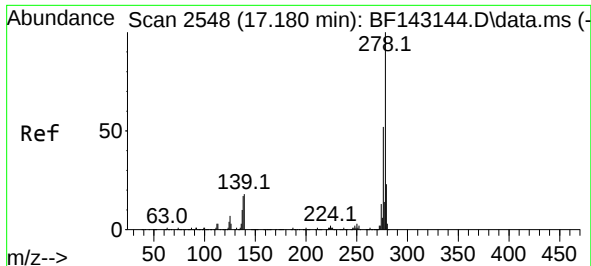
Tgt Ion:252 Resp: 376253
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 12.0 8.1 12.1



#90
Benzo(a)pyrene
Concen: 28.714 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.018 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:252 Resp: 301255
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 13.0 8.6 13.0#

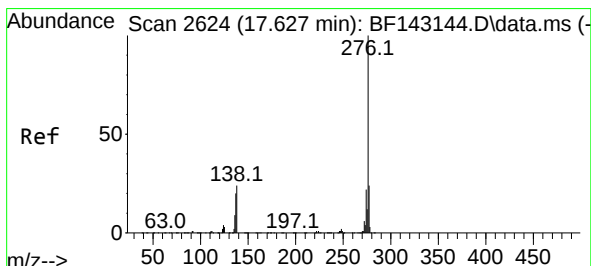
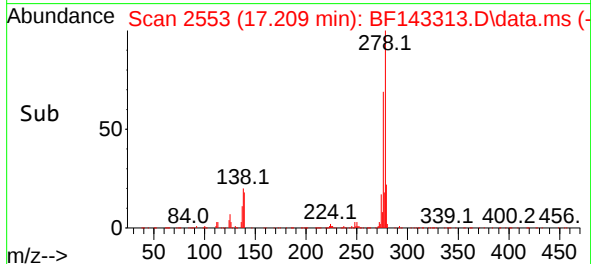
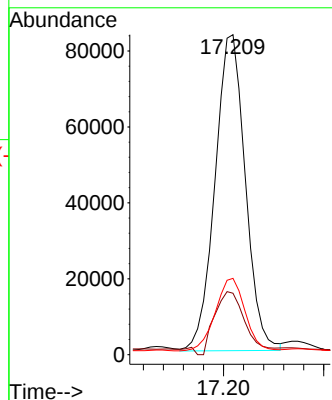
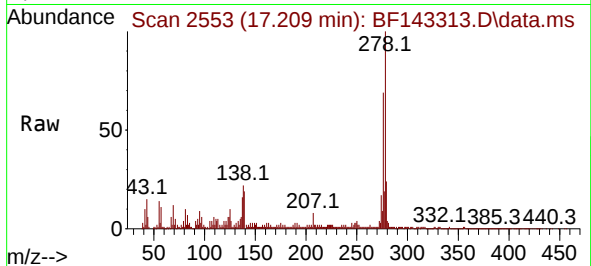




#91
Dibenzo(a,h)anthracene
Concen: 16.348 ng
RT: 17.209 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:278 Resp: 174886
Ion Ratio Lower Upper
278 100
139 19.2 14.1 21.1
279 23.8 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 19.403 ng
RT: 17.662 min Scan# 2630
Delta R.T. 0.035 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:276 Resp: 200796
Ion Ratio Lower Upper
276 100
277 24.2 19.1 28.7
138 24.7 18.9 28.3

