

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
 Data File : BF143251.D
 Acq On : 25 Jul 2025 15:18
 Operator : RC/JU
 Sample : Q2687-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-251MS

Quant Time: Jul 25 15:43:25 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	91630	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	327243	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	146247	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	207876	20.000	ng	0.00
76) Chrysene-d12	14.127	240	189106	20.000	ng	0.00
86) Perylene-d12	15.633	264	211277	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.599	112	487867	84.255	ng	0.01
7) Phenol-d6	6.587	99	612012	83.973	ng	0.00
23) Nitrobenzene-d5	7.516	82	399561	60.863	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	128255	84.891	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	661306	61.842	ng	0.00
79) Terphenyl-d14	13.069	244	513504	40.409	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.869	88	97182	35.470	ng	98
3) Pyridine	3.628	79	260533	36.636	ng	99
4) n-Nitrosodimethylamine	3.569	42	146818	39.987	ng	95
6) Aniline	6.622	93	178690	17.592	ng	98
8) 2-Chlorophenol	6.751	128	233714	38.507	ng	96
9) Benzaldehyde	6.510	77	153015	27.999	ng	99
10) Phenol	6.604	94	299618	37.736	ng	96
11) bis(2-Chloroethyl)ether	6.693	93	226528	37.263	ng	99
12) 1,3-Dichlorobenzene	6.904	146	257940	39.121	ng	100
13) 1,4-Dichlorobenzene	6.981	146	264099	39.775	ng	99
14) 1,2-Dichlorobenzene	7.134	146	247731	39.227	ng	99
15) Benzyl Alcohol	7.098	79	212002	38.096	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	407147	36.104	ng	99
17) 2-Methylphenol	7.210	107	190483	37.325	ng	98
18) Hexachloroethane	7.481	117	92636	40.300	ng	98
19) n-Nitroso-di-n-propyla...	7.363	70	168097	35.950	ng	97
20) 3+4-Methylphenols	7.357	107	232534	37.556	ng	# 81
22) Acetophenone	7.363	105	314281	40.565	ng	95
24) Nitrobenzene	7.540	77	255499	41.744	ng	100
25) Isophorone	7.775	82	449065	38.748	ng	99
26) 2-Nitrophenol	7.857	139	120189	45.246	ng	99
27) 2,4-Dimethylphenol	7.887	122	204333	37.737	ng	98
28) bis(2-Chloroethoxy)met...	7.981	93	267801	38.541	ng	99
29) 2,4-Dichlorophenol	8.098	162	179392	39.286	ng	99
30) 1,2,4-Trichlorobenzene	8.181	180	201423	40.830	ng	99
31) Naphthalene	8.263	128	655767	40.690	ng	100
32) Benzoic acid	7.987	122	121195	40.627	ng	99
33) 4-Chloroaniline	8.304	127	56213	8.542	ng	100
34) Hexachlorobutadiene	8.387	225	124448	41.296	ng	99
35) Caprolactam	8.663	113	54464	39.471	ng	97
36) 4-Chloro-3-methylphenol	8.787	107	185429	37.361	ng	99
37) 2-Methylnaphthalene	8.957	142	383096	39.063	ng	99
38) 1-Methylnaphthalene	9.057	142	393423	38.957	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	191713	45.405	ng	98
41) Hexachlorocyclopentadiene	9.116	237	228502	83.172	ng	100
43) 2,4,6-Trichlorophenol	9.234	196	121490	41.575	ng	100

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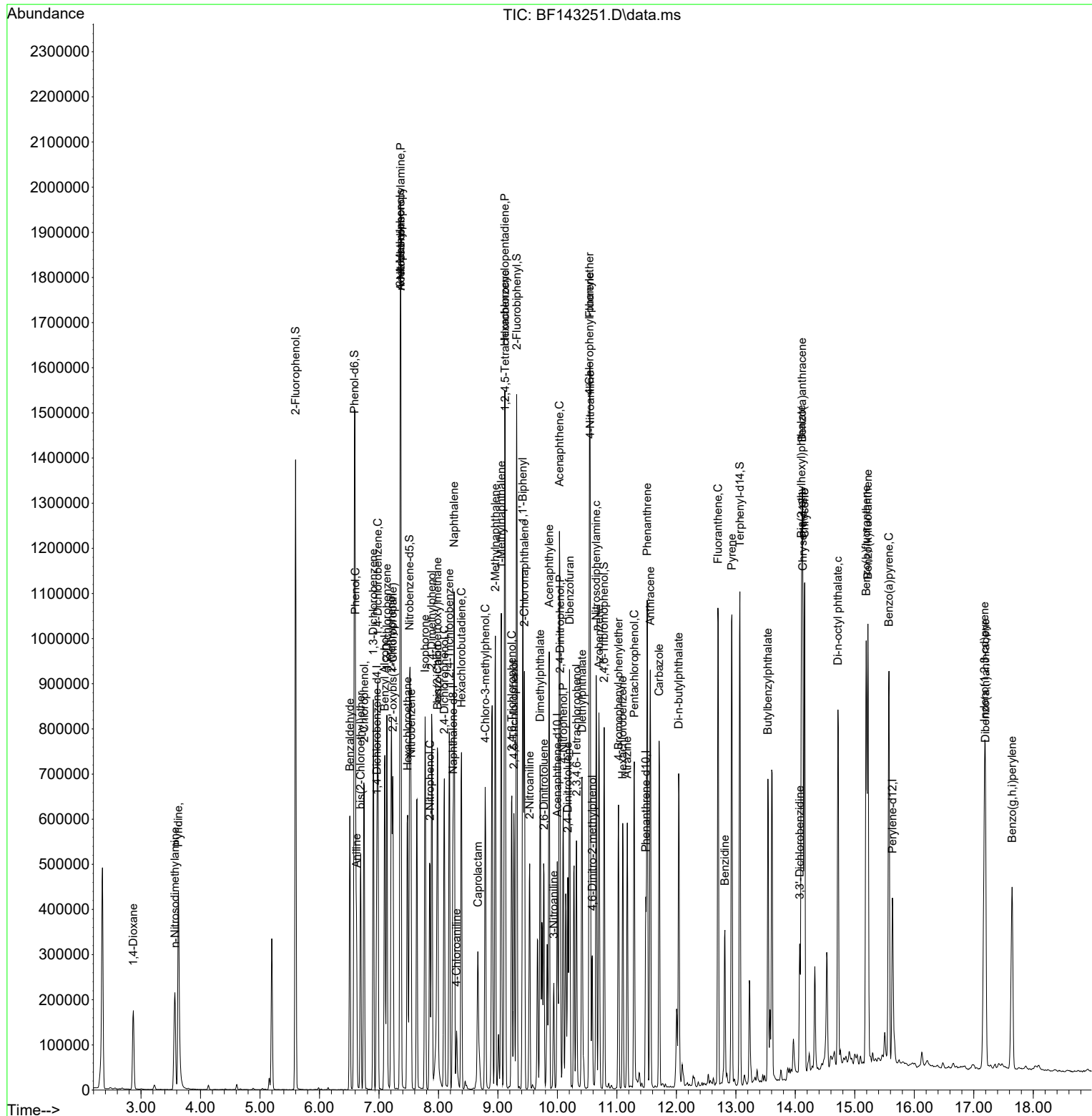
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	122127	41.780	ng	97
46) 1,1'-Biphenyl	9.416	154	504252	44.193	ng	99
47) 2-Chloronaphthalene	9.445	162	362145	42.895	ng	100
48) 2-Nitroaniline	9.534	65	115564	43.649	ng	100
49) Acenaphthylene	9.863	152	595504	42.089	ng	99
50) Dimethylphthalate	9.710	163	393754	41.305	ng	100
51) 2,6-Dinitrotoluene	9.775	165	84014	43.323	ng	96
52) Acenaphthene	10.034	154	383872	45.904	ng	99
53) 3-Nitroaniline	9.939	138	46399	20.456	ng	98
54) 2,4-Dinitrophenol	10.045	184	83770	94.036	ng	# 3
55) Dibenzofuran	10.204	168	506642	40.807	ng	99
56) 4-Nitrophenol	10.098	139	128939	76.123	ng	98
57) 2,4-Dinitrotoluene	10.175	165	107416	44.150	ng	96
58) Fluorene	10.545	166	375689	40.318	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	95231	39.329	ng	98
60) Diethylphthalate	10.416	149	371417	39.419	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	183801	39.613	ng	99
62) 4-Nitroaniline	10.551	138	74059	38.096	ng	98
63) Azobenzene	10.698	77	413840	42.142	ng	93
65) 4,6-Dinitro-2-methylph...	10.586	198	52162	47.881	ng	97
66) n-Nitrosodiphenylamine	10.651	169	311131	42.504	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	104384	42.136	ng	97
68) Hexachlorobenzene	11.098	284	107544	41.534	ng	99
69) Atrazine	11.175	200	88912	44.059	ng	99
70) Pentachlorophenol	11.292	266	120487	79.125	ng	99
71) Phenanthrene	11.510	178	555033	50.286	ng	100
72) Anthracene	11.563	178	486041	43.176	ng	100
73) Carbazole	11.710	167	435501	44.305	ng	100
74) Di-n-butylphthalate	12.039	149	479787	43.138	ng	99
75) Fluoranthene	12.698	202	618718	61.072	ng	100
77) Benzidine	12.816	184	182179	25.005	ng	98
78) Pyrene	12.933	202	620950	38.475	ng	100
80) Butylbenzylphthalate	13.539	149	209137	42.318	ng	99
81) Benzo(a)anthracene	14.116	228	605124	47.796	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	83252	19.730	ng	99
83) Chrysene	14.157	228	512512	45.024	ng	99
84) Bis(2-ethylhexyl)phtha...	14.104	149	288150	38.521	ng	99
85) Di-n-octyl phthalate	14.716	149	525371	38.747	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.180	276	483625	32.463	ng	97
88) Benzo(b)fluoranthene	15.192	252	662135	51.300	ng	99
89) Benzo(k)fluoranthene	15.221	252	486642	42.252	ng	99
90) Benzo(a)pyrene	15.574	252	550005	46.250	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	387748	31.977	ng	98
92) Benzo(g,h,i)perylene	17.645	276	364719	31.093	ng	97

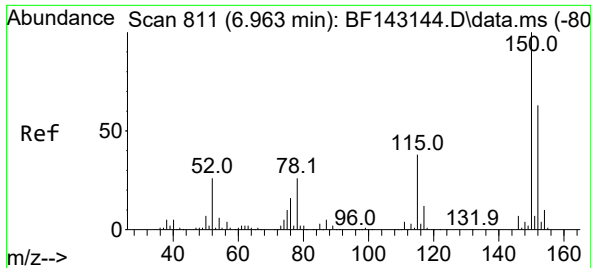
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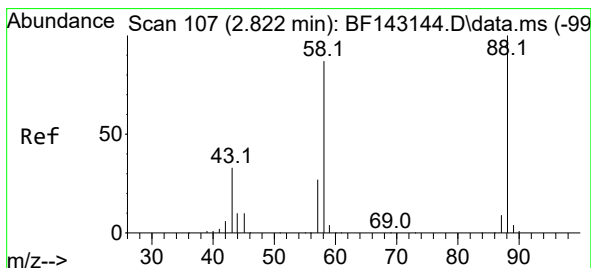
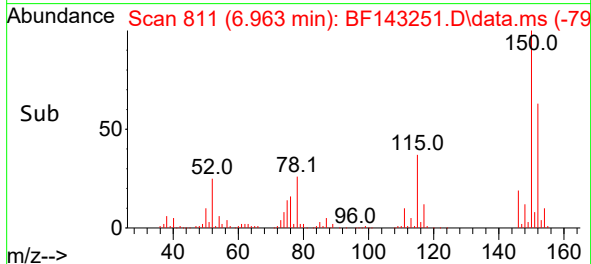
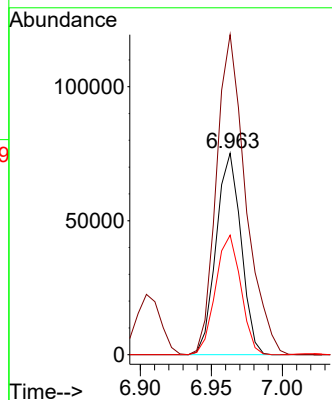
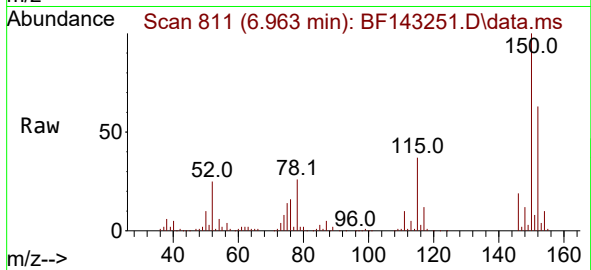




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143251.D
 Acq: 25 Jul 2025 15:18

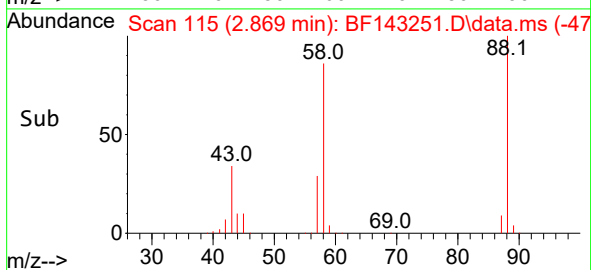
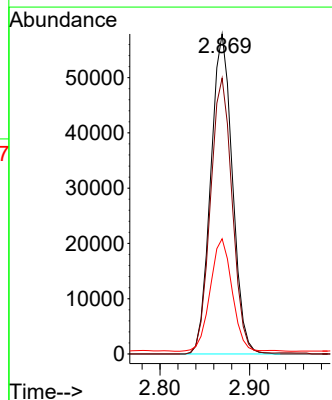
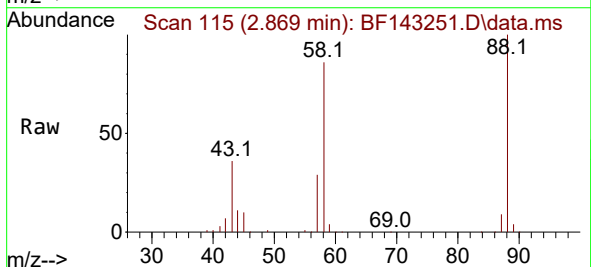
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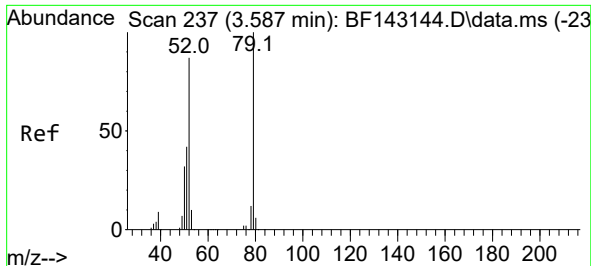
Tgt Ion:152 Resp: 91630
 Ion Ratio Lower Upper
 152 100
 150 158.9 128.2 192.4
 115 59.3 47.9 71.9



#2
 1,4-Dioxane
 Concen: 35.470 ng
 RT: 2.869 min Scan# 115
 Delta R.T. 0.047 min
 Lab File: BF143251.D
 Acq: 25 Jul 2025 15:18

Tgt Ion: 88 Resp: 97182
 Ion Ratio Lower Upper
 88 100
 58 86.7 70.2 105.2
 43 35.4 27.1 40.7





#3

Pyridine

Concen: 36.636 ng

RT: 3.628 min Scan# 24

Delta R.T. 0.041 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

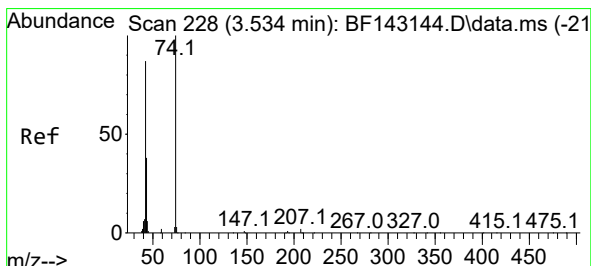
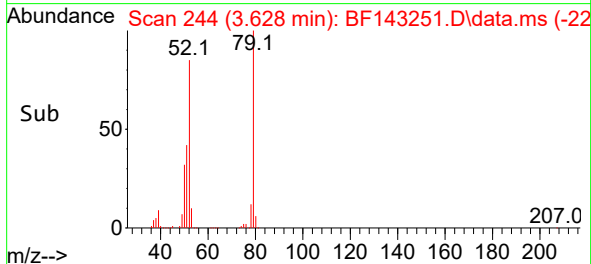
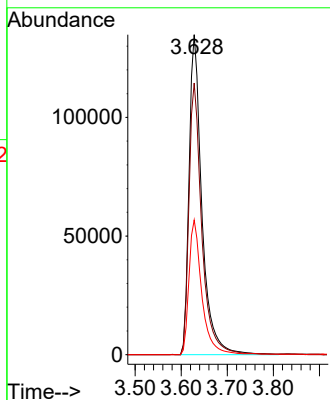
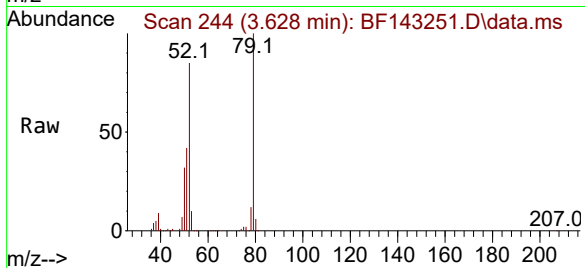
Tgt Ion: 79 Resp: 260533

Ion Ratio Lower Upper

79 100

52 84.9 69.4 104.2

51 42.1 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 39.987 ng

RT: 3.569 min Scan# 234

Delta R.T. 0.035 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

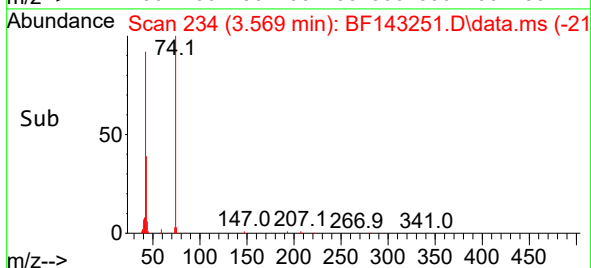
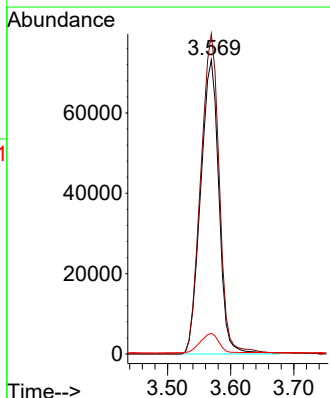
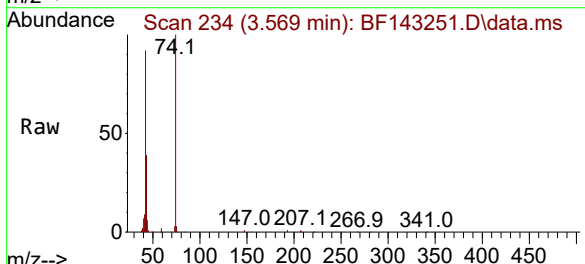
Tgt Ion: 42 Resp: 146818

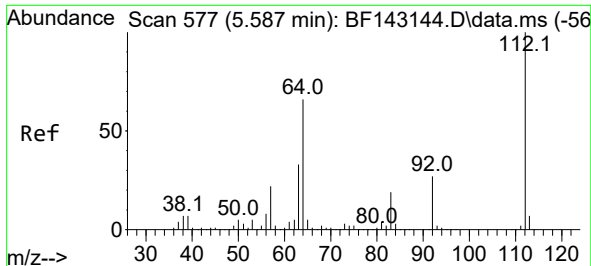
Ion Ratio Lower Upper

42 100

74 108.8 91.7 137.5

44 7.0 5.6 8.4

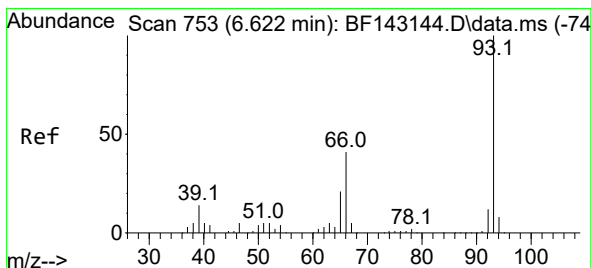
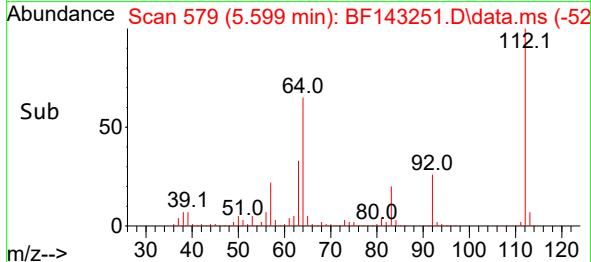
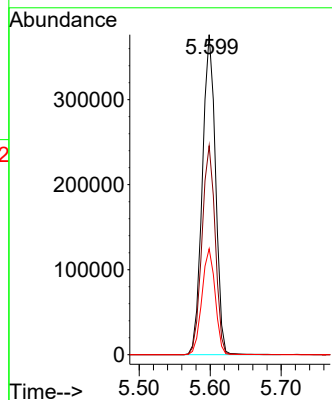
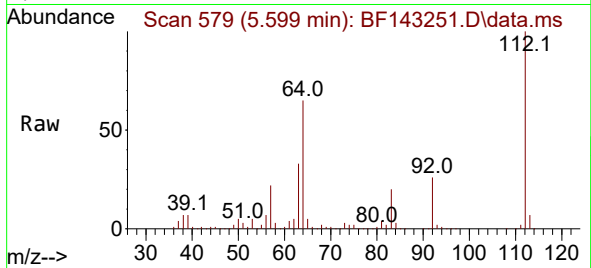




#5
2-Fluorophenol
Concen: 84.255 ng
RT: 5.599 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

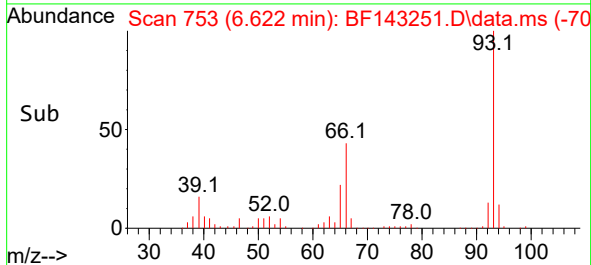
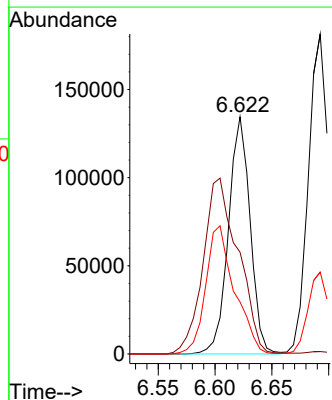
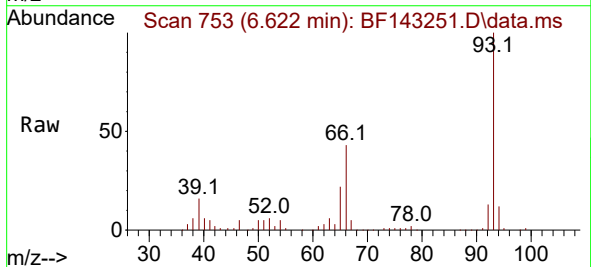
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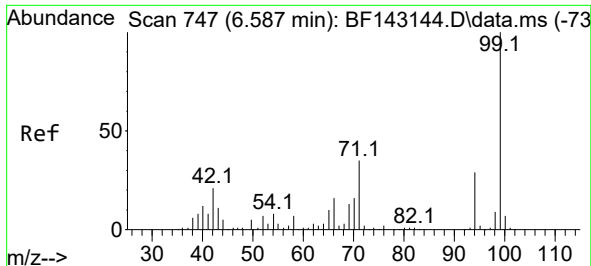
Tgt Ion:112 Resp: 487867
Ion Ratio Lower Upper
112 100
64 65.3 53.1 79.7
63 33.1 26.6 40.0



#6
Aniline
Concen: 17.592 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion: 93 Resp: 178690
Ion Ratio Lower Upper
93 100
66 42.9 33.2 49.8
65 22.0 16.9 25.3

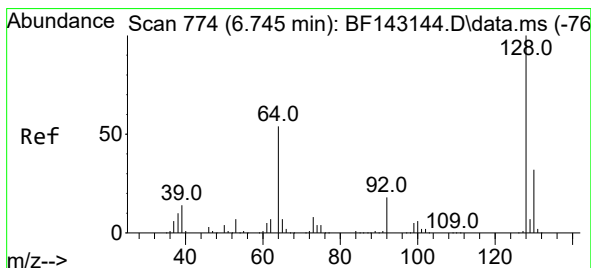
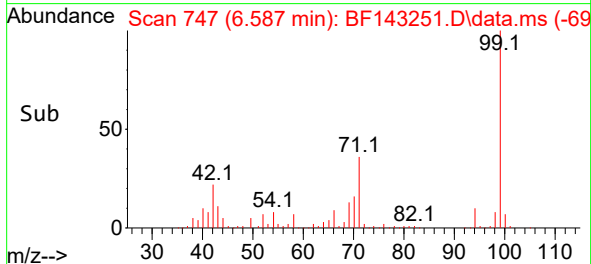
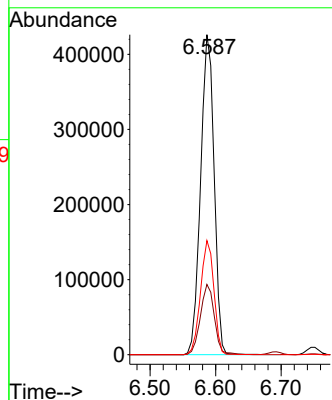
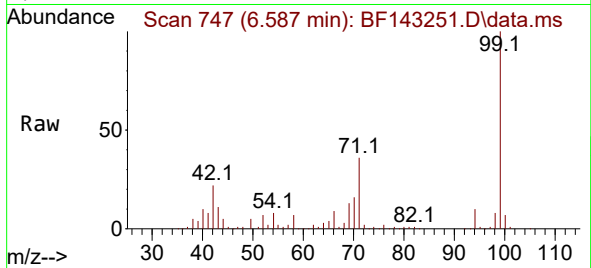




#7
Phenol-d6
Concen: 83.973 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

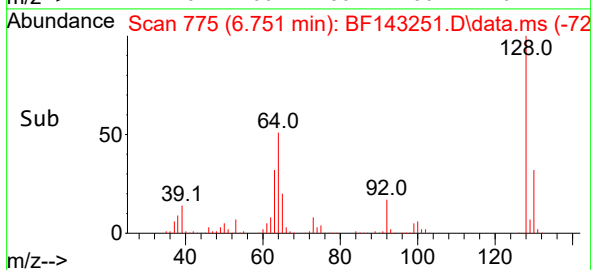
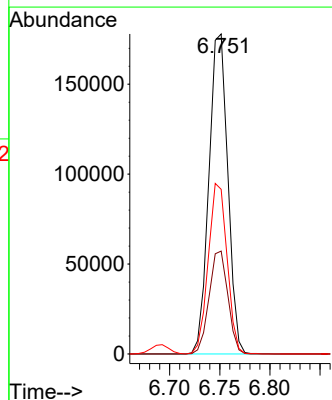
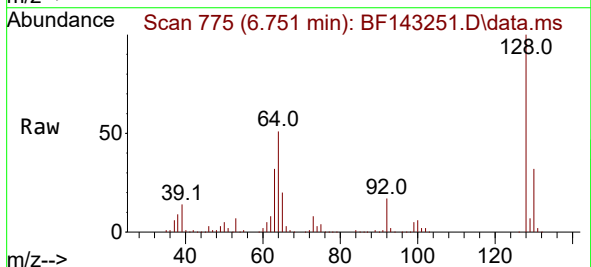
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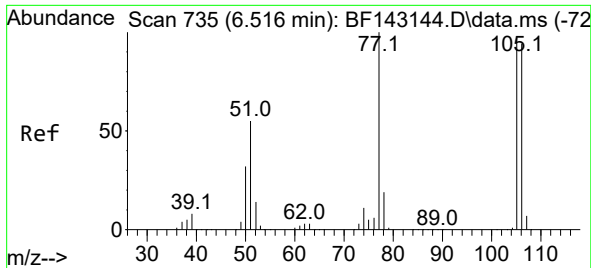
Tgt Ion: 99 Resp: 612012
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 35.6 27.7 41.5



#8
2-Chlorophenol
Concen: 38.507 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143251.D
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Tgt Ion: 128 Resp: 233714
Ion Ratio Lower Upper
128 100
130 32.2 12.3 52.3
64 51.4 35.9 75.9

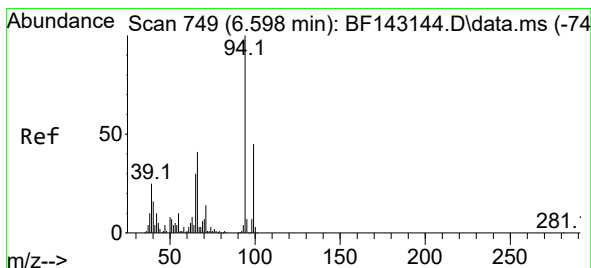
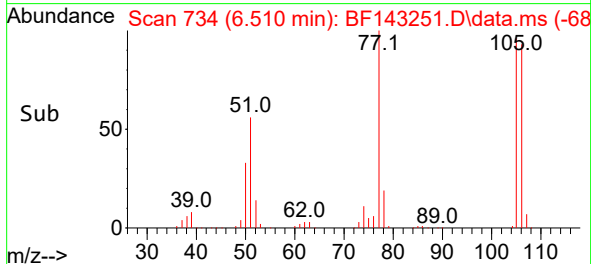
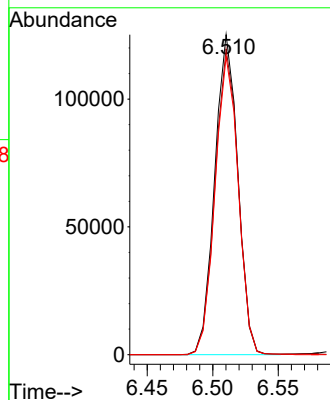
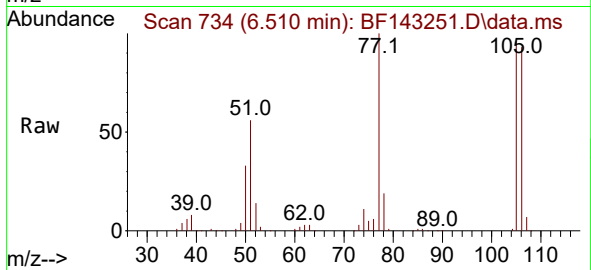




#9
Benzaldehyde
Concen: 27.999 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143251.D
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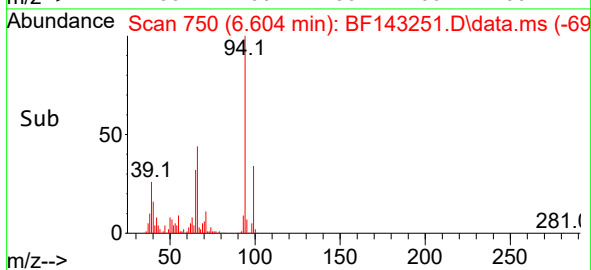
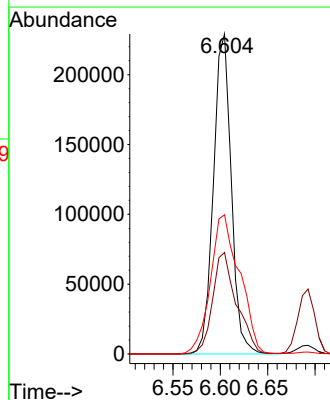
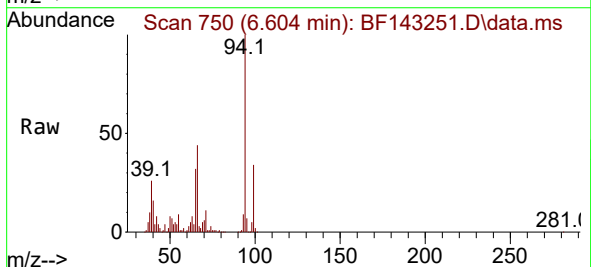
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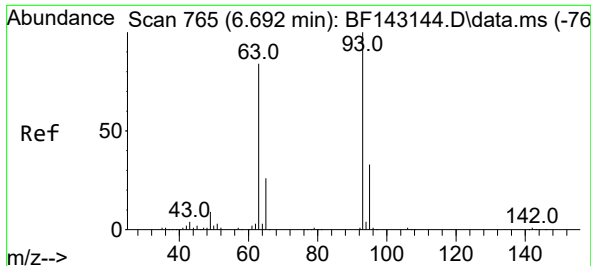
Tgt Ion: 77 Resp: 153015
Ion Ratio Lower Upper
77 100
105 95.6 76.8 116.8
106 93.2 74.4 114.4



#10
Phenol
Concen: 37.736 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
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Tgt Ion: 94 Resp: 299618
Ion Ratio Lower Upper
94 100
65 31.7 10.0 50.0
66 43.5 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 37.263 ng

RT: 6.693 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

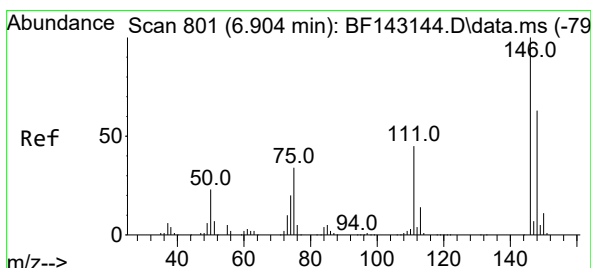
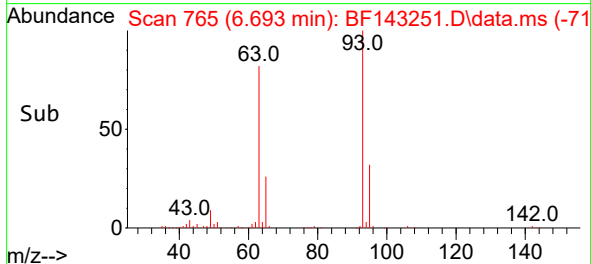
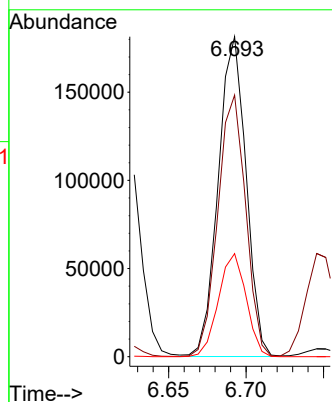
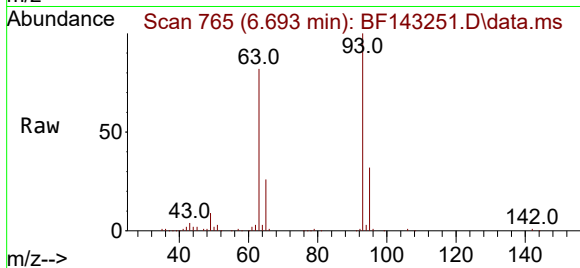
Tgt Ion: 93 Resp: 226528

Ion Ratio Lower Upper

93 100

63 81.7 63.4 103.4

95 32.2 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 39.121 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

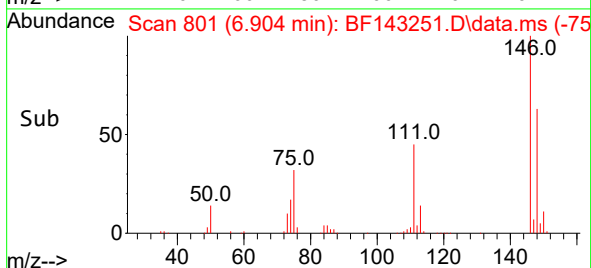
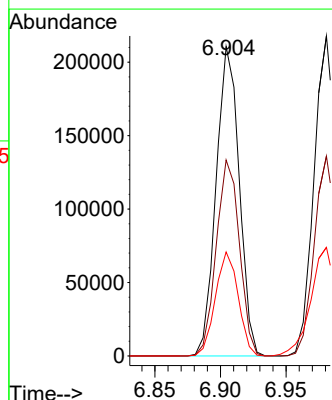
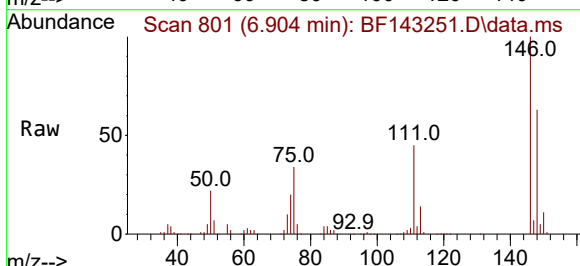
Tgt Ion:146 Resp: 257940

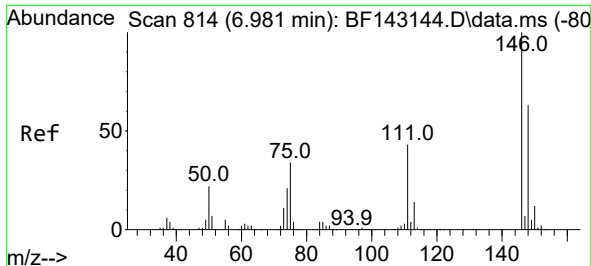
Ion Ratio Lower Upper

146 100

148 63.3 50.6 76.0

75 33.6 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.775 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

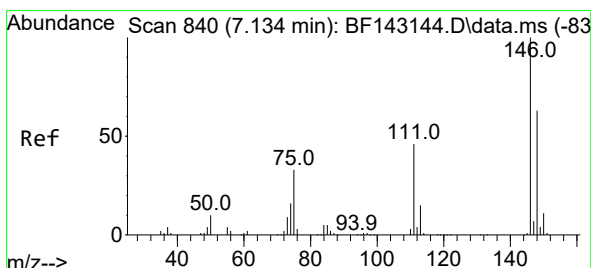
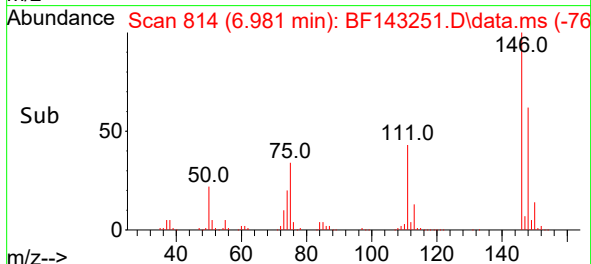
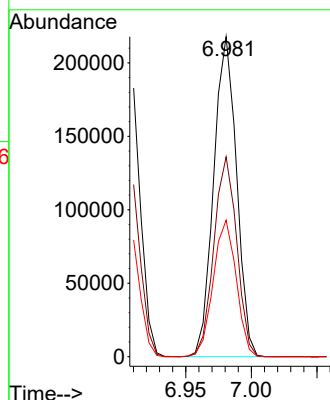
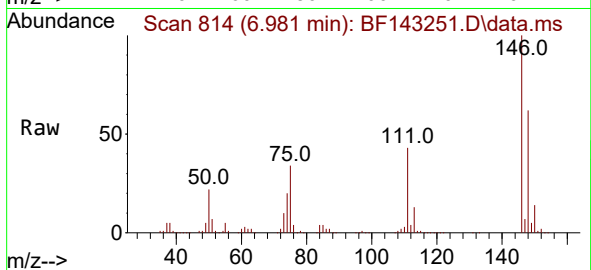
Tgt Ion:146 Resp: 264099

Ion Ratio Lower Upper

146 100

148 62.5 50.3 75.5

111 42.7 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 39.227 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

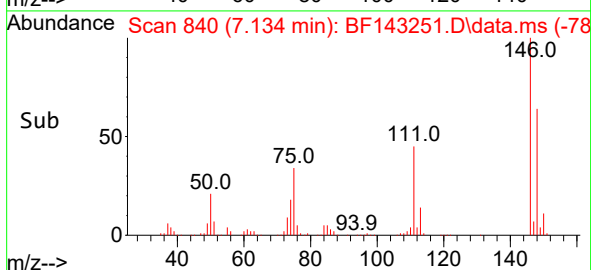
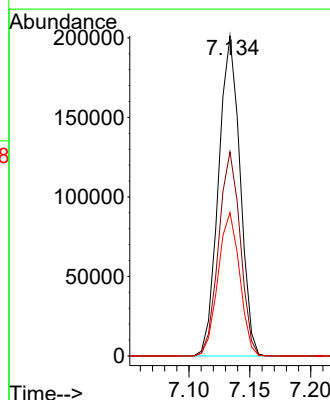
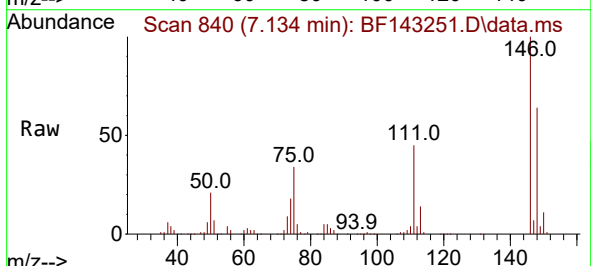
Tgt Ion:146 Resp: 247731

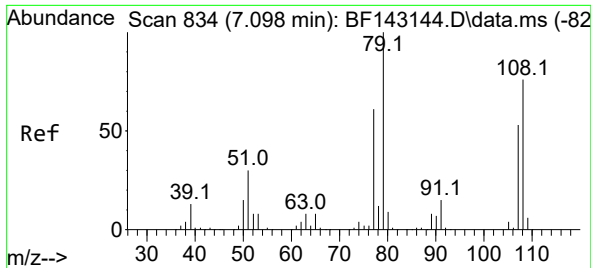
Ion Ratio Lower Upper

146 100

148 63.8 50.7 76.1

111 44.8 36.6 54.8

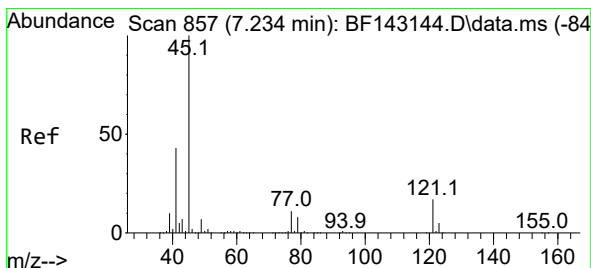
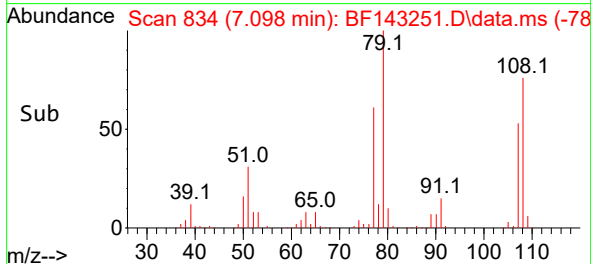
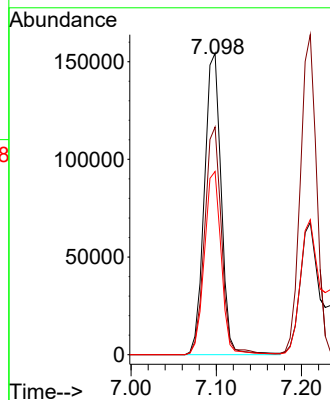
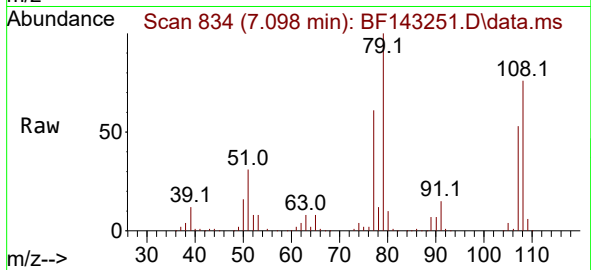




#15
Benzyl Alcohol
Concen: 38.096 ng
RT: 7.098 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

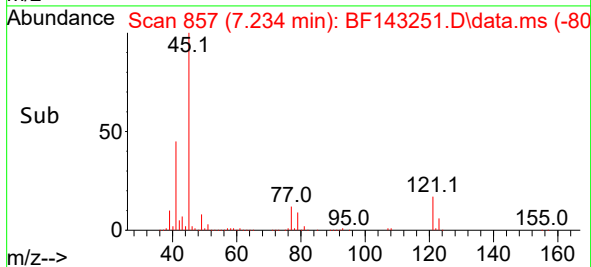
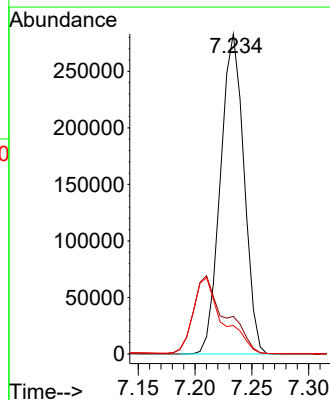
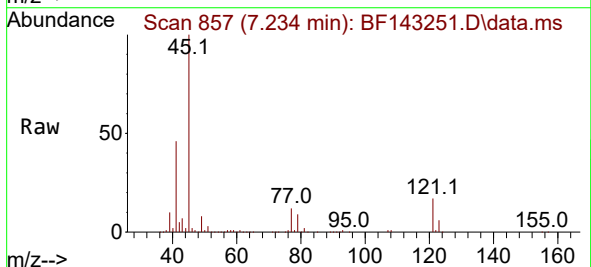
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

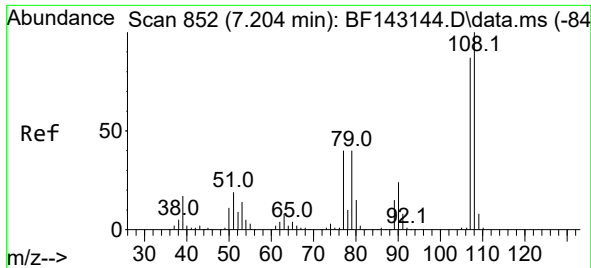
Tgt Ion: 79 Resp: 212002
Ion Ratio Lower Upper
79 100
108 75.5 61.1 91.7
77 60.8 48.9 73.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 36.104 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion: 45 Resp: 407147
Ion Ratio Lower Upper
45 100
77 11.7 0.0 31.2
79 8.9 0.0 28.5

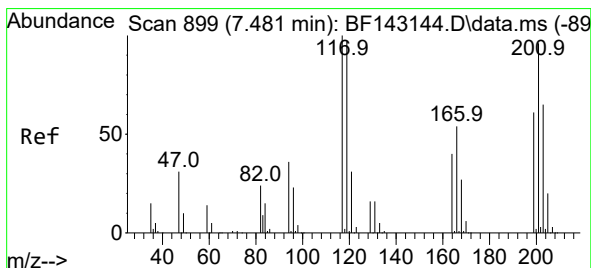
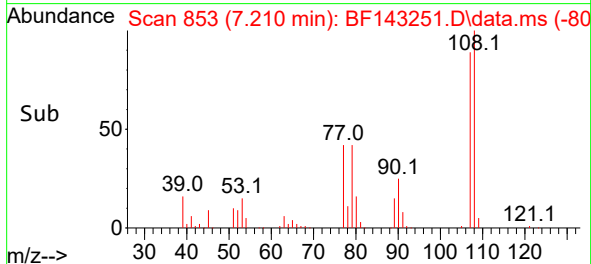
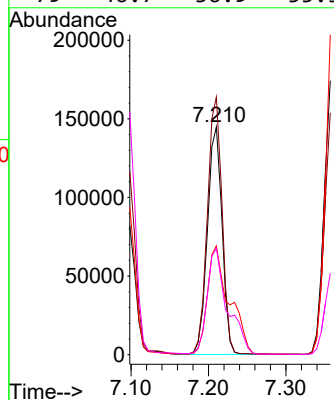
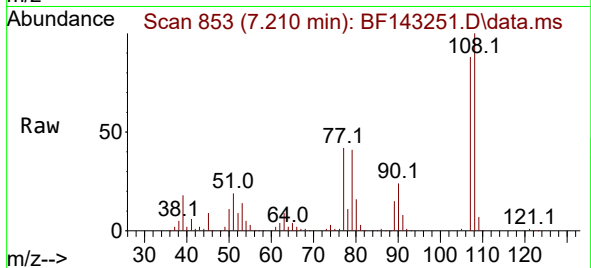




#17
2-Methylphenol
Concen: 37.325 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

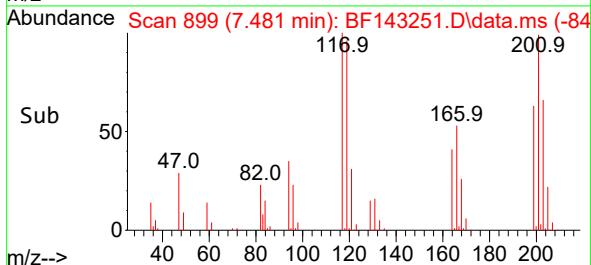
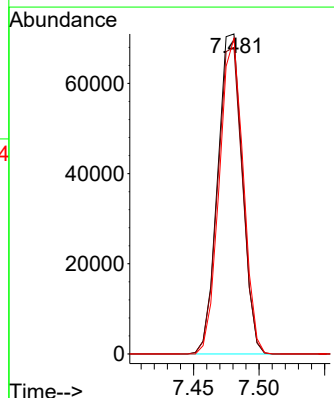
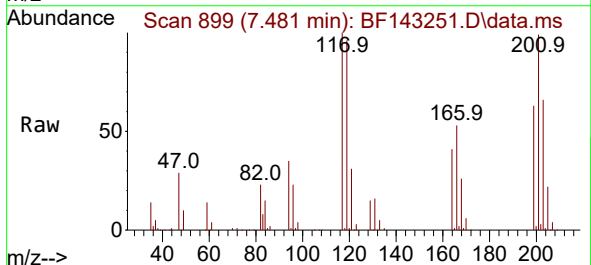
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

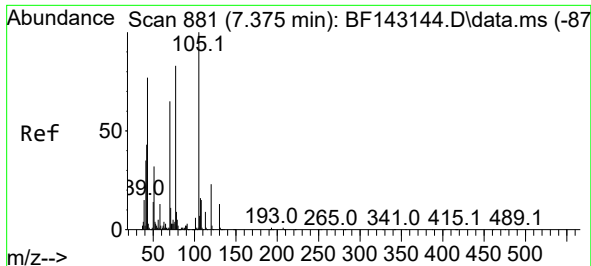
Tgt Ion:	107	Resp:	190483
Ion	Ratio	Lower	Upper
107	100		
108	113.1	91.8	137.6
77	47.8	37.0	55.6
79	46.7	36.9	55.3



#18
Hexachloroethane
Concen: 40.300 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:	117	Resp:	92636
Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.8	116.8
201	98.6	77.0	115.4





#19

n-Nitroso-di-n-propylamine

Concen: 35.950 ng

RT: 7.363 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

Tgt Ion: 70 Resp: 168097

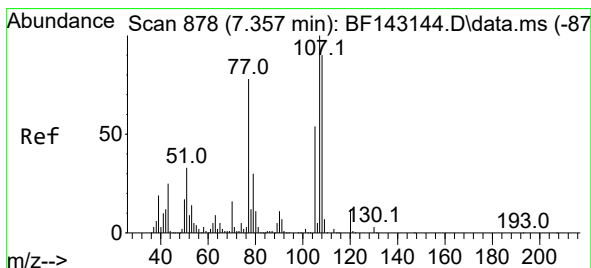
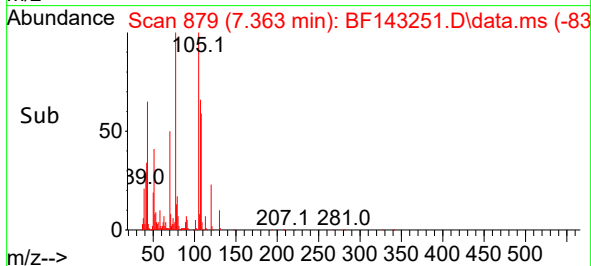
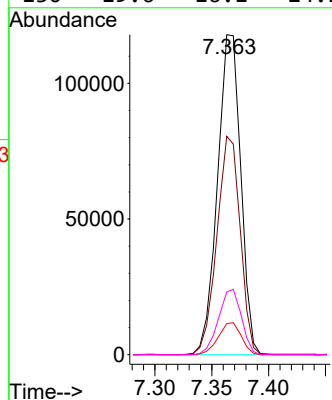
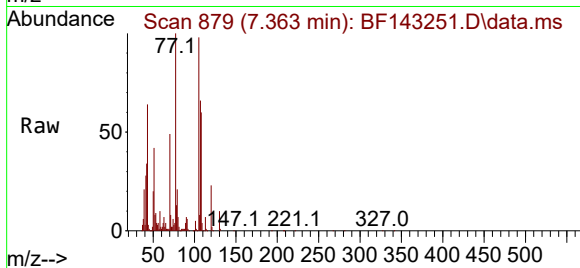
Ion Ratio Lower Upper

70 100

42 68.2 52.5 78.7

101 9.7 7.6 11.4

130 19.6 16.1 24.1



#20

3+4-Methylphenols

Concen: 37.556 ng

RT: 7.357 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Tgt Ion:107 Resp: 232534

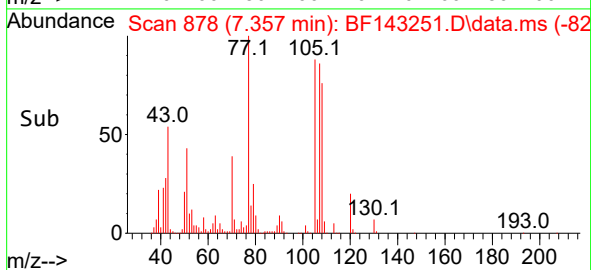
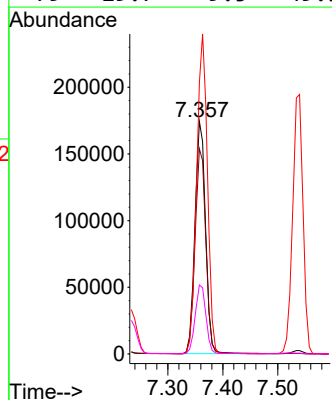
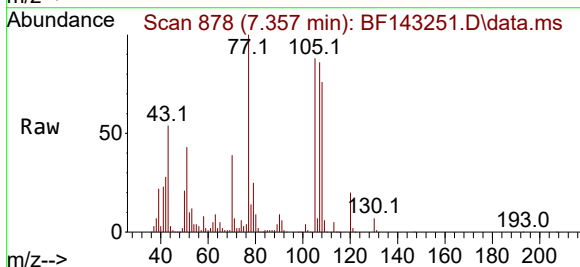
Ion Ratio Lower Upper

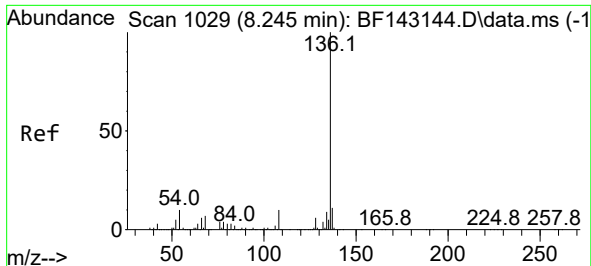
107 100

108 88.3 70.0 110.0

77 116.7 57.8 97.8#

79 29.7 9.5 49.5



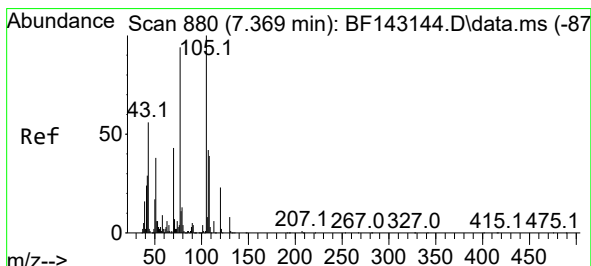
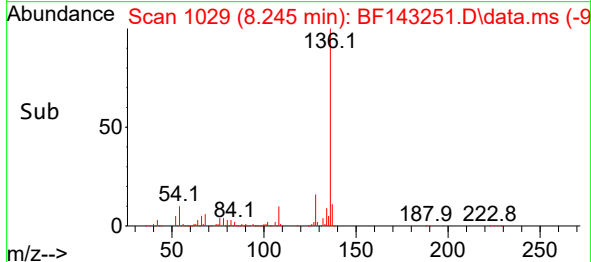
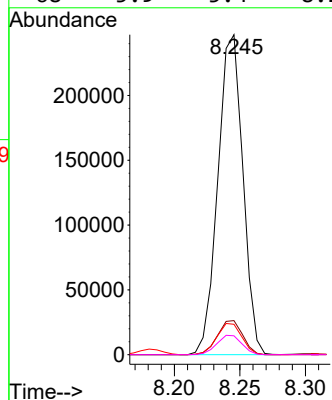
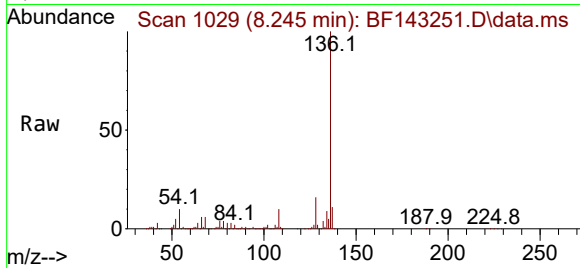


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

Tgt Ion:136 Resp: 327243

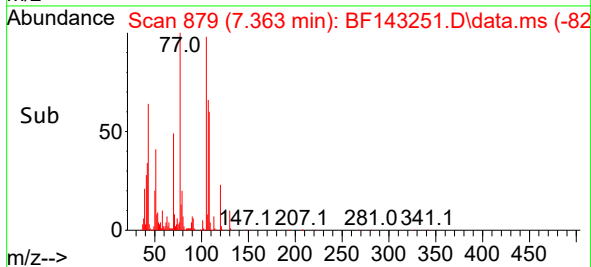
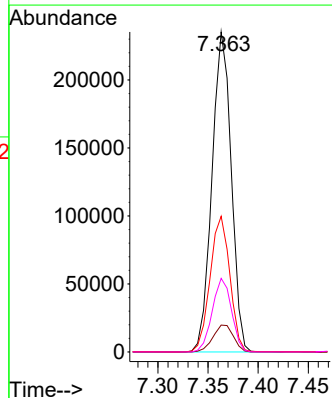
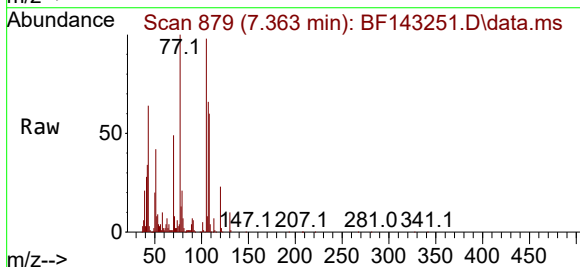
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	9.5	8.2	12.2
68	5.9	5.4	8.2

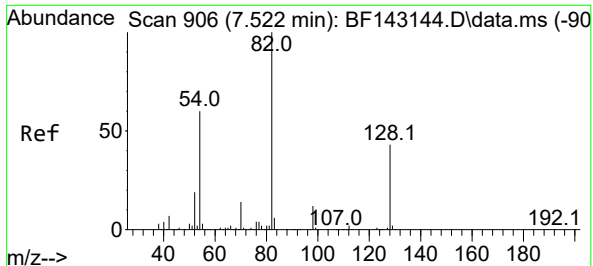


#22
Acetophenone
Concen: 40.565 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:105 Resp: 314281

Ion	Ratio	Lower	Upper
105	100		
71	8.4	5.8	8.6
51	42.4	30.2	45.2
120	23.0	18.2	27.4





#23

Nitrobenzene-d5

Concen: 60.863 ng

RT: 7.516 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

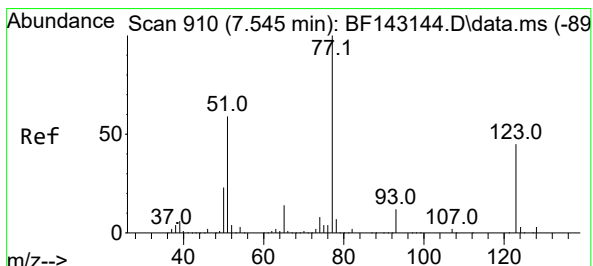
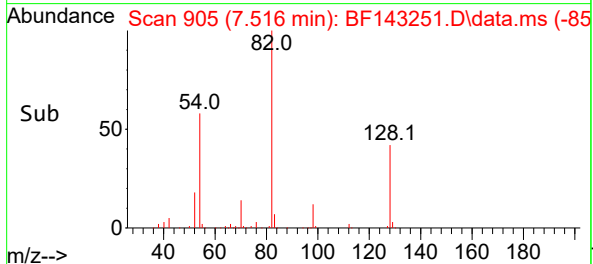
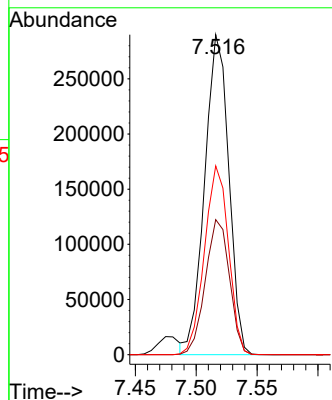
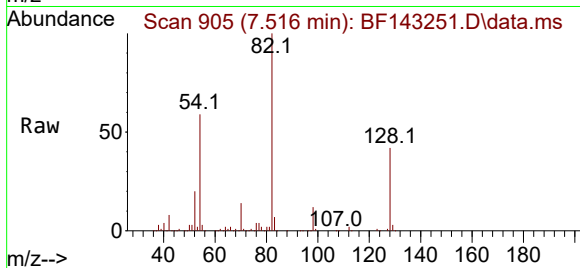
Tgt Ion: 82 Resp: 399561

Ion Ratio Lower Upper

82 100

128 42.2 33.6 50.4

54 59.0 47.1 70.7



#24

Nitrobenzene

Concen: 41.744 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

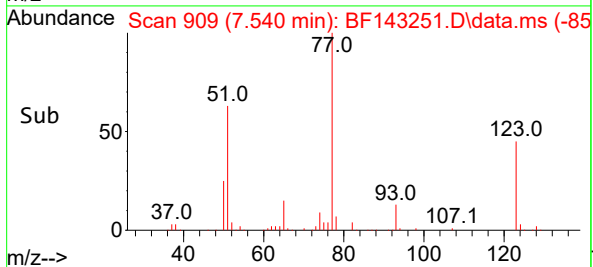
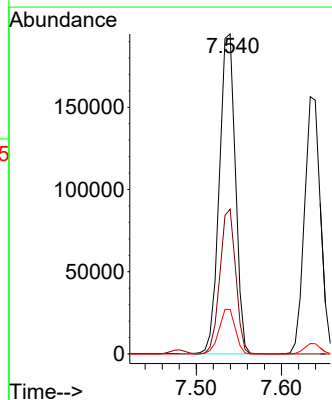
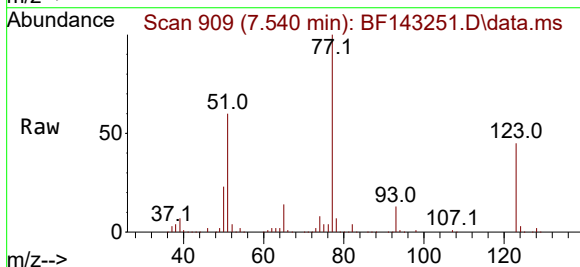
Tgt Ion: 77 Resp: 255499

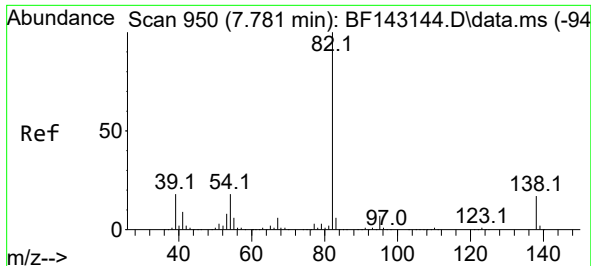
Ion Ratio Lower Upper

77 100

123 45.3 36.1 54.1

65 13.9 11.4 17.2

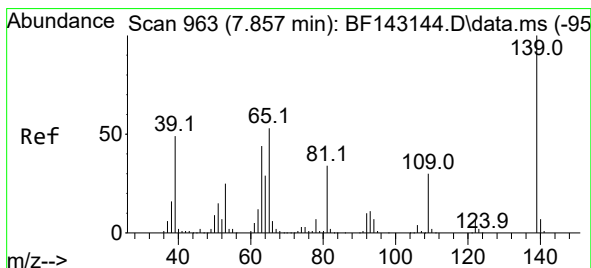
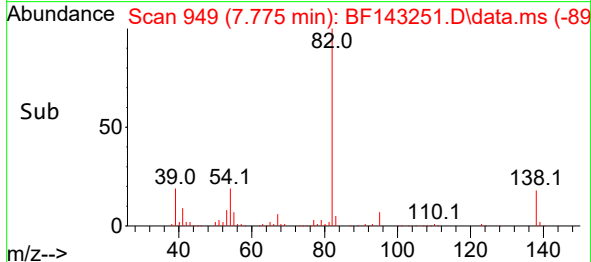
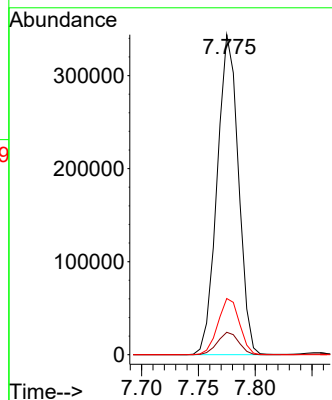
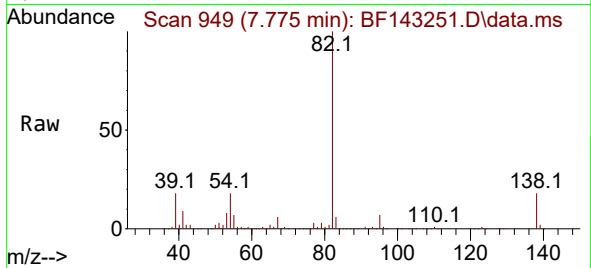




#25
Isophorone
Concen: 38.748 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

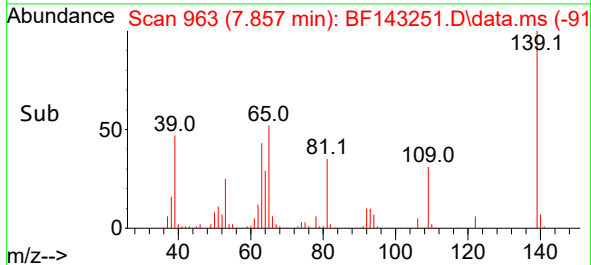
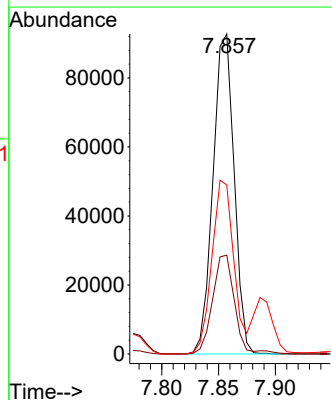
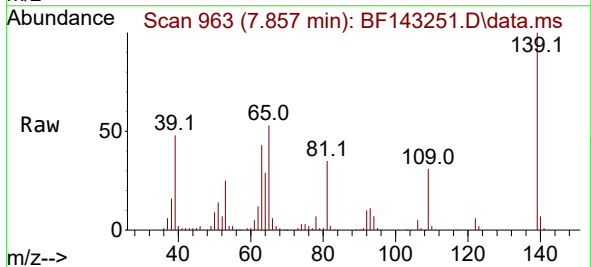
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

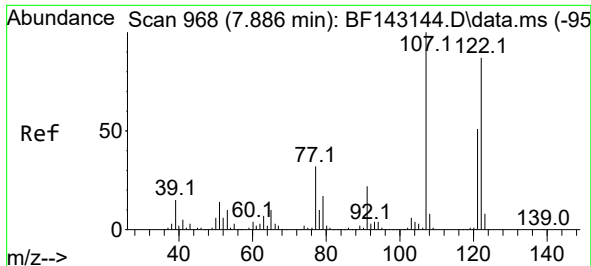
Tgt Ion: 82 Resp: 449065
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.6 13.8 20.8



#26
2-Nitrophenol
Concen: 45.246 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:139 Resp: 120189
Ion Ratio Lower Upper
139 100
109 30.9 23.6 35.4
65 52.8 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 37.737 ng

RT: 7.887 min Scan# 9

Delta R.T. 0.000 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

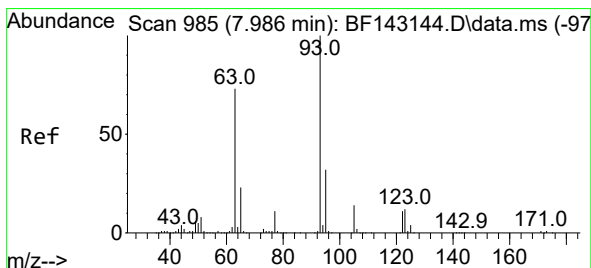
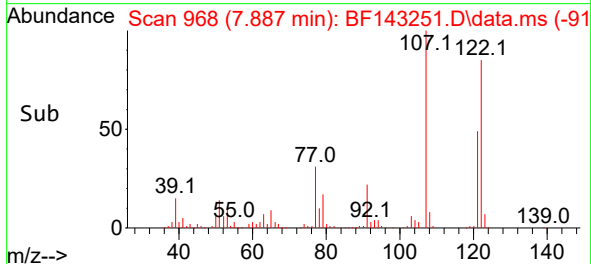
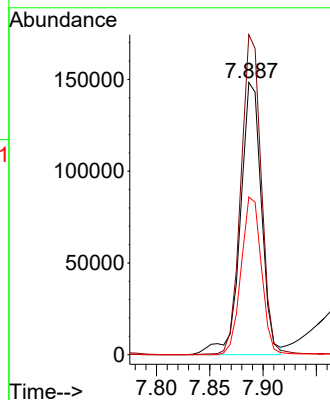
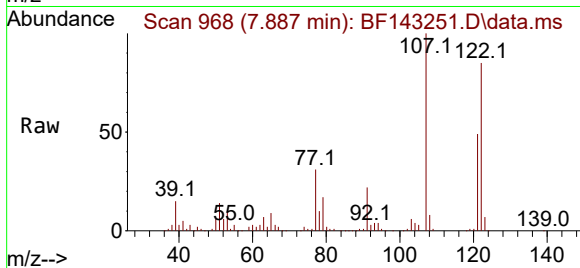
Tgt Ion:122 Resp: 204333

Ion Ratio Lower Upper

122 100

107 117.6 91.8 137.6

121 57.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 38.541 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

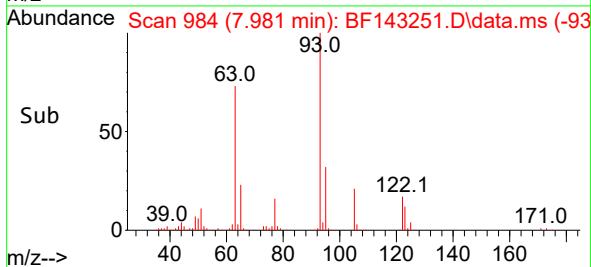
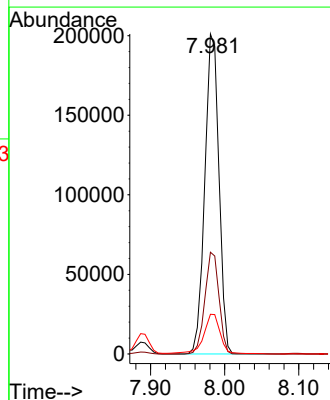
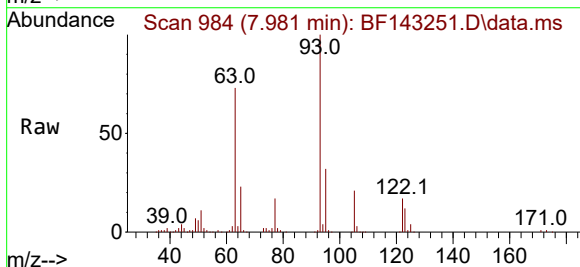
Tgt Ion: 93 Resp: 267801

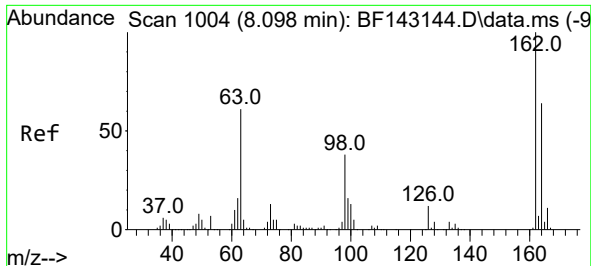
Ion Ratio Lower Upper

93 100

95 31.8 25.8 38.6

123 12.4 9.7 14.5

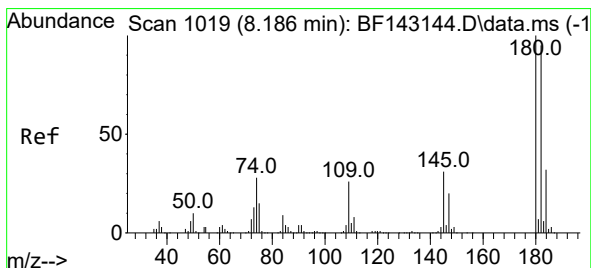
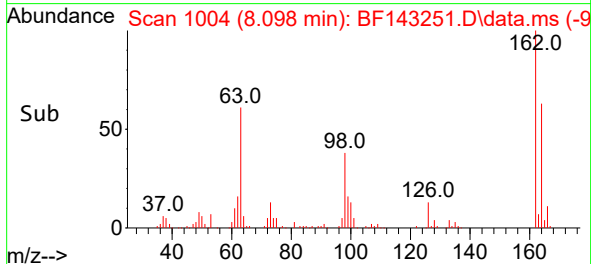
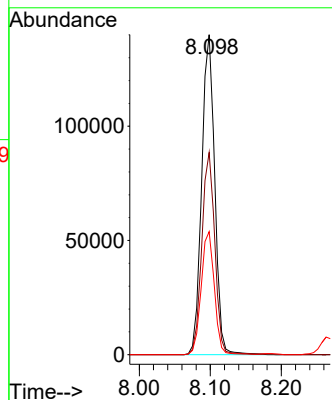
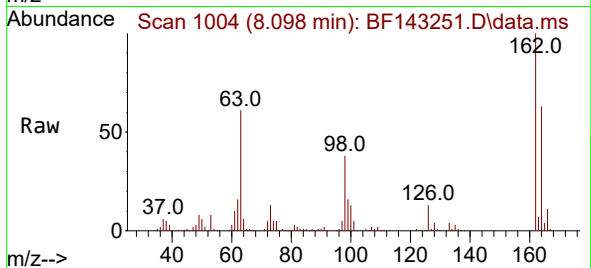




#29
2,4-Dichlorophenol
Concen: 39.286 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

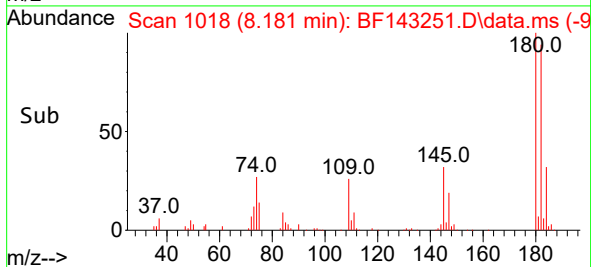
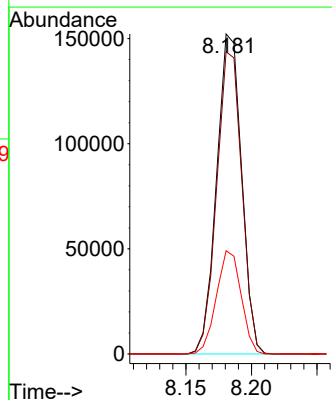
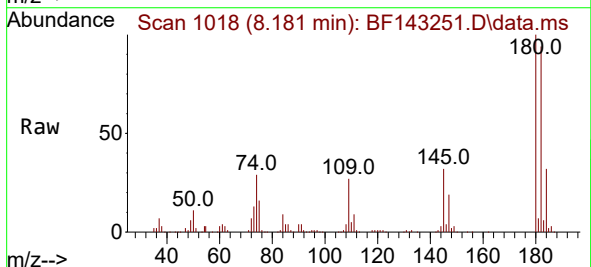
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

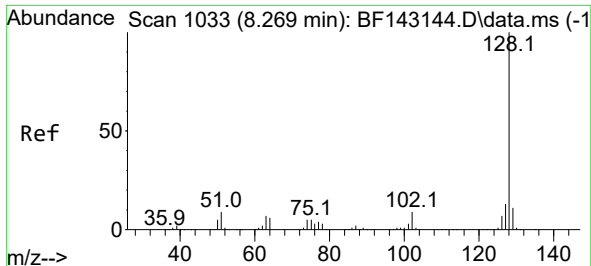
Tgt Ion:162 Resp: 179392
Ion Ratio Lower Upper
162 100
164 63.2 44.2 84.2
98 38.4 17.9 57.9



#30
1,2,4-Trichlorobenzene
Concen: 40.830 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

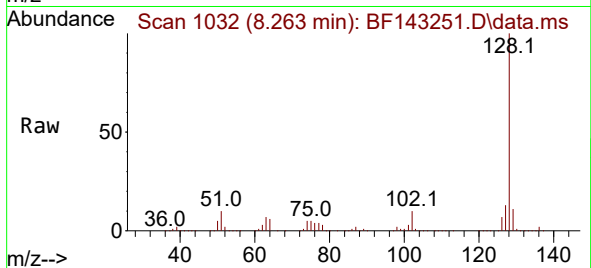
Tgt Ion:180 Resp: 201423
Ion Ratio Lower Upper
180 100
182 94.4 76.2 114.2
145 32.2 25.0 37.6



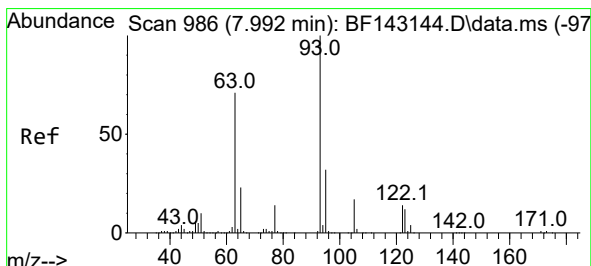
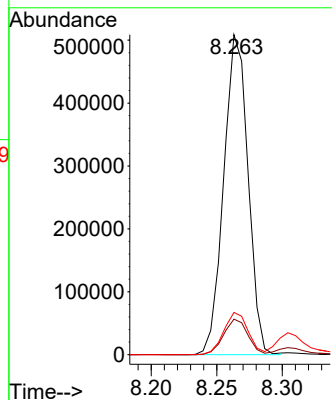
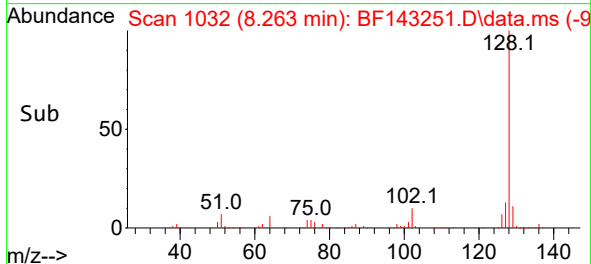


#31
Naphthalene
Concen: 40.690 ng
RT: 8.263 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

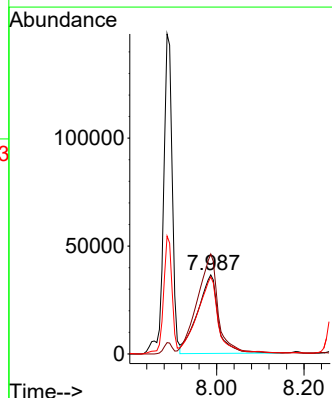
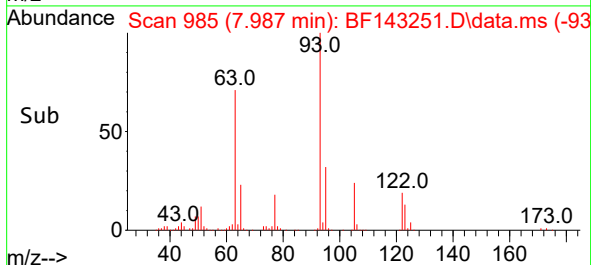
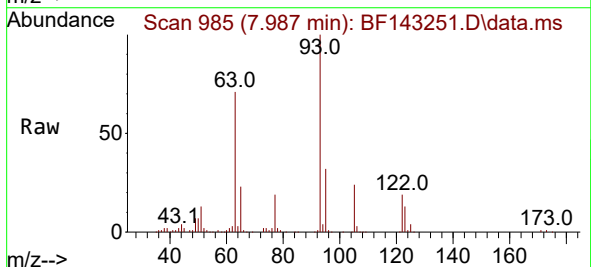


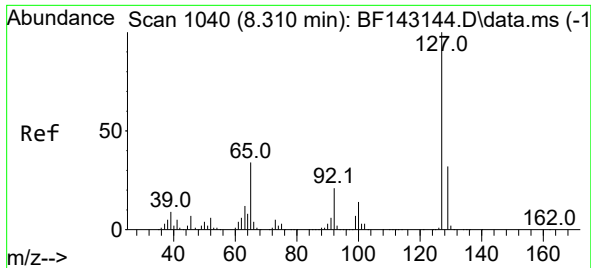
Tgt Ion:128 Resp: 655767
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 40.627 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.005 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:122 Resp: 121195
Ion Ratio Lower Upper
122 100
105 126.3 104.8 144.8
77 97.5 77.6 117.6

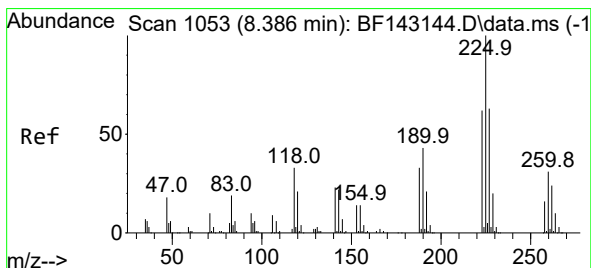
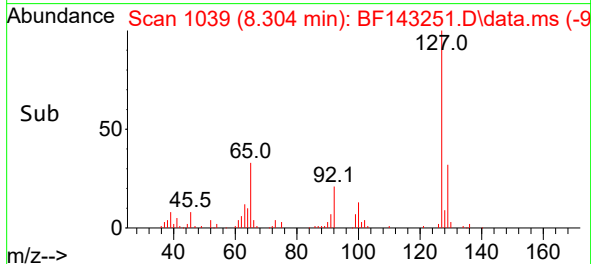
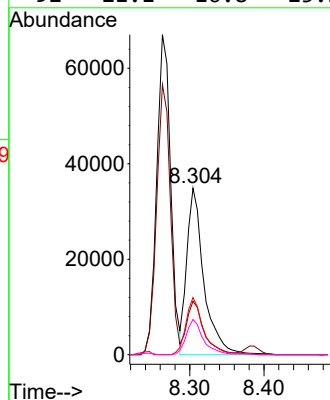
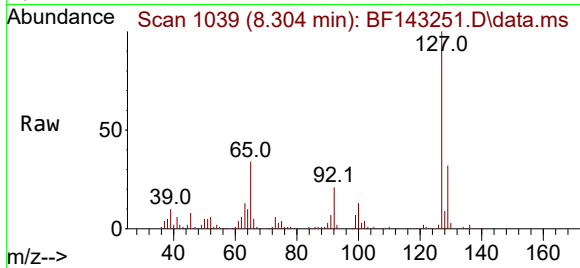




#33
4-Chloroaniline
Concen: 8.542 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

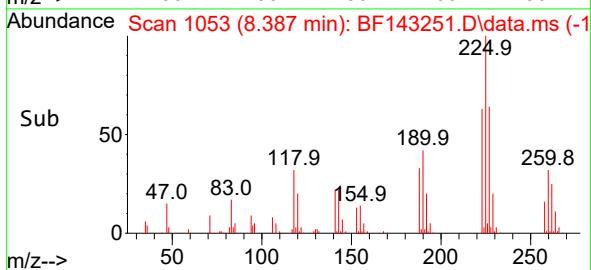
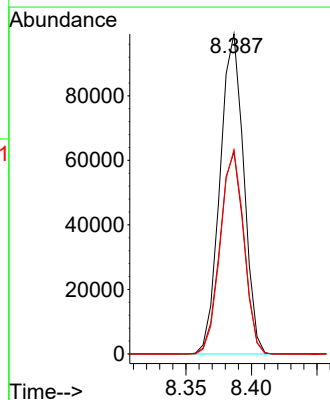
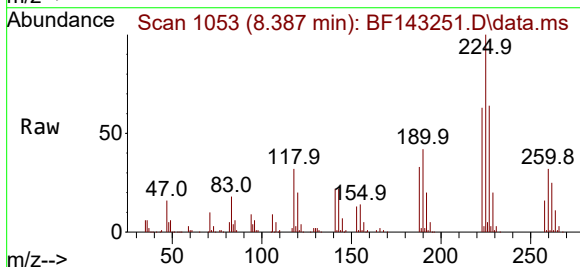
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

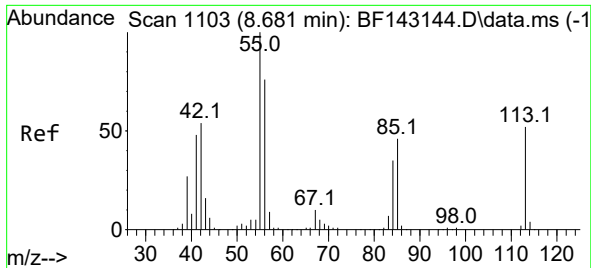
Tgt Ion:	127	Resp:	56213
Ion Ratio	Lower	Upper	
127	100		
129	32.1	26.0	39.0
65	34.3	27.4	41.2
92	21.1	16.8	25.2



#34
Hexachlorobutadiene
Concen: 41.296 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:	225	Resp:	124448
Ion Ratio	Lower	Upper	
225	100		
223	63.0	49.8	74.6
227	63.9	50.2	75.4

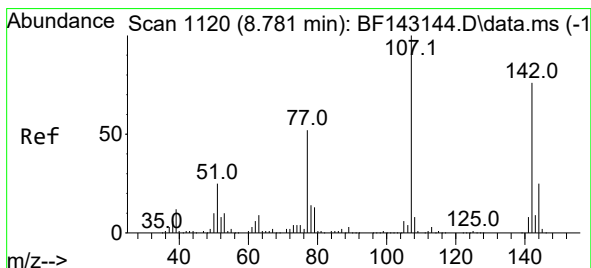
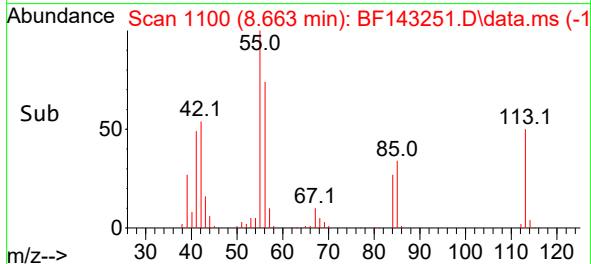
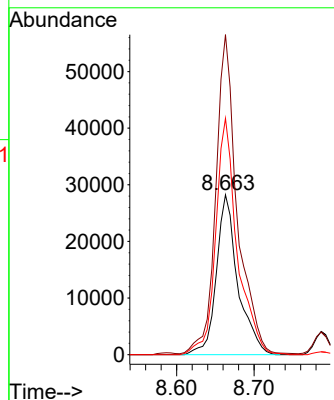
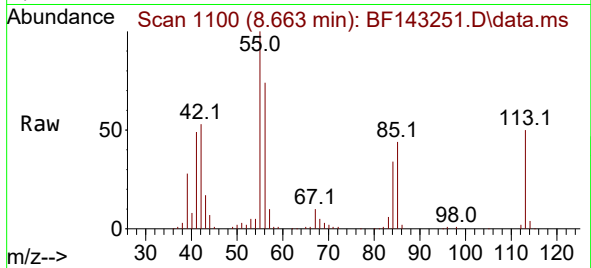




#35
 Caprolactam
 Concen: 39.471 ng
 RT: 8.663 min Scan# 1100
 Delta R.T. -0.018 min
 Lab File: BF143251.D
 Acq: 25 Jul 2025 15:18

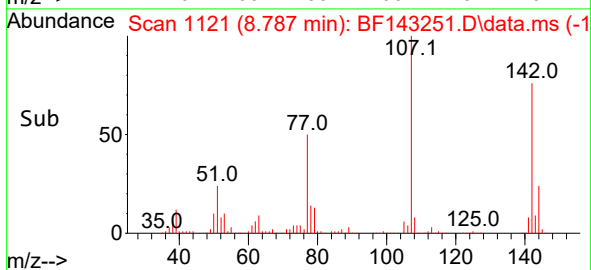
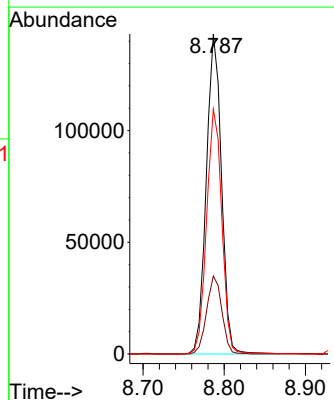
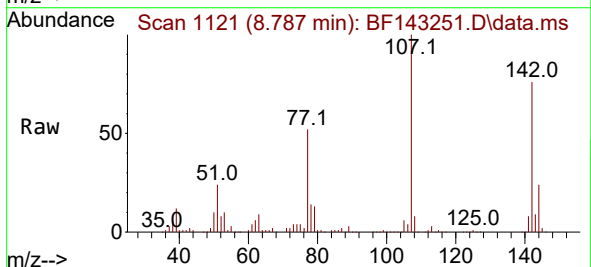
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-251MS

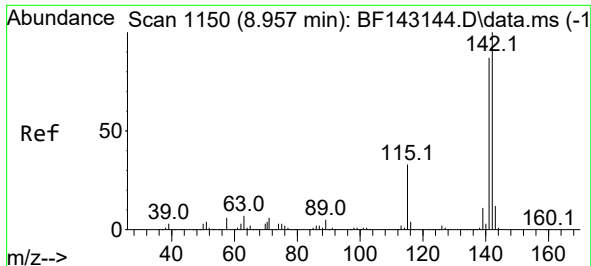
Tgt Ion:113 Resp: 54464
 Ion Ratio Lower Upper
 113 100
 55 200.1 174.0 214.0
 56 147.8 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 37.361 ng
 RT: 8.787 min Scan# 1121
 Delta R.T. 0.006 min
 Lab File: BF143251.D
 Acq: 25 Jul 2025 15:18

Tgt Ion:107 Resp: 185429
 Ion Ratio Lower Upper
 107 100
 144 24.3 19.8 29.6
 142 76.5 60.6 90.8

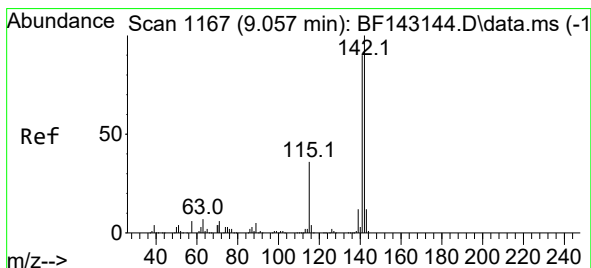
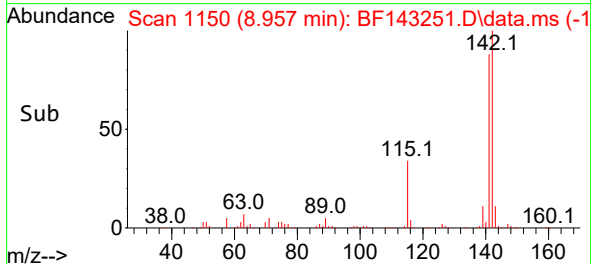
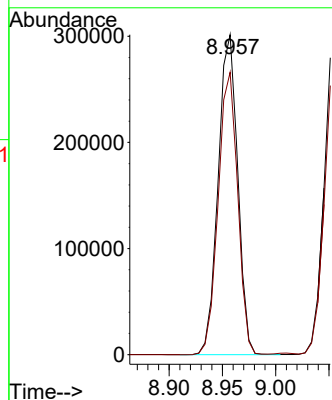
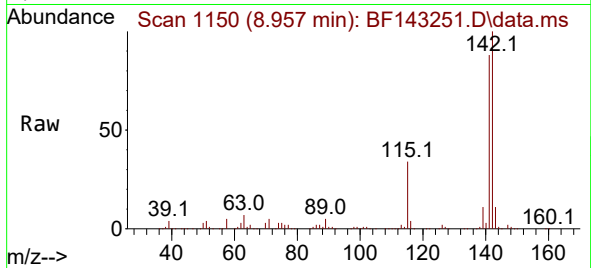




#37
2-Methylnaphthalene
Concen: 39.063 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

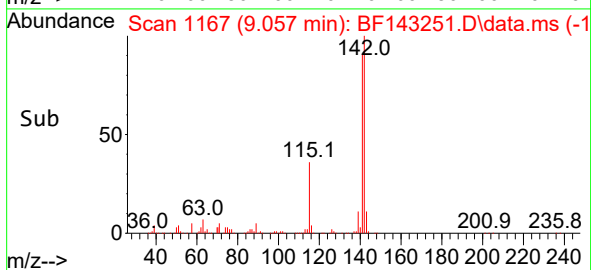
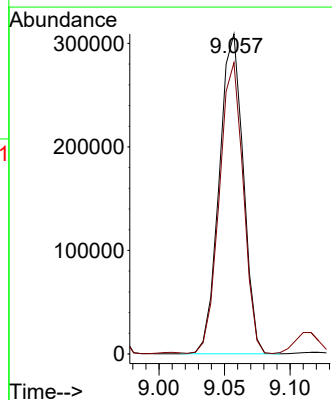
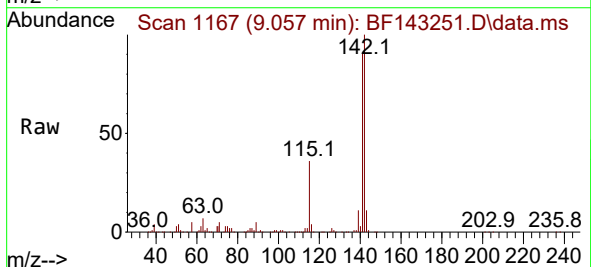
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

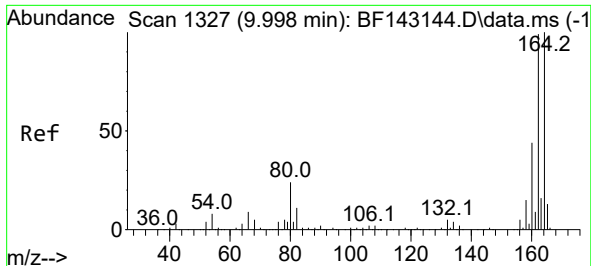
Tgt Ion:142 Resp: 383096
Ion Ratio Lower Upper
142 100
141 88.2 69.9 104.9



#38
1-Methylnaphthalene
Concen: 38.957 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:142 Resp: 393423
Ion Ratio Lower Upper
142 100
141 91.0 72.3 108.5

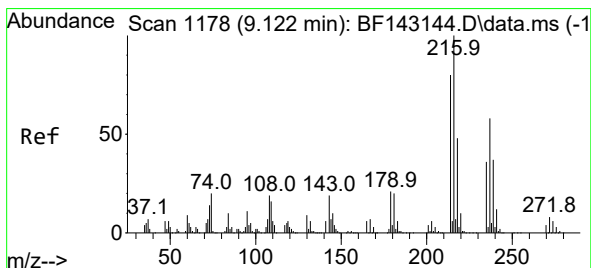
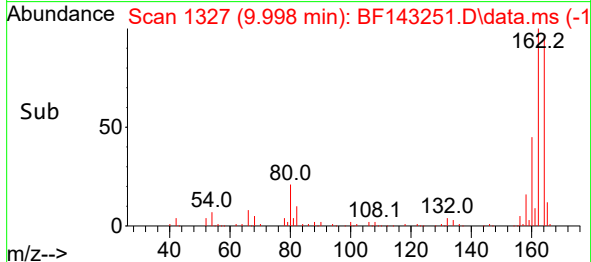
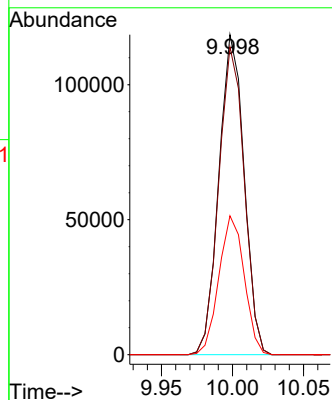
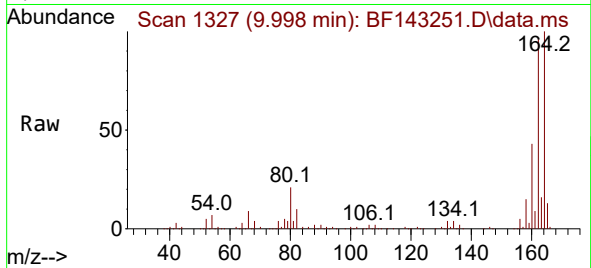




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

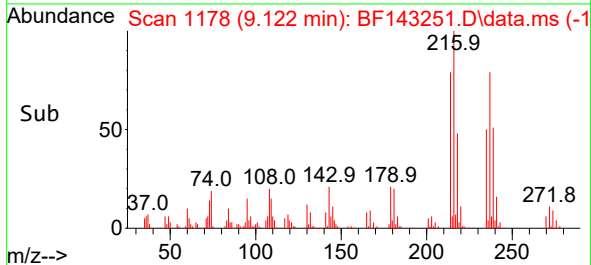
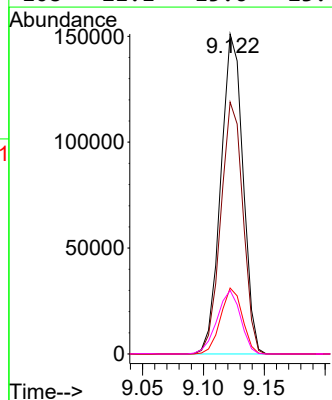
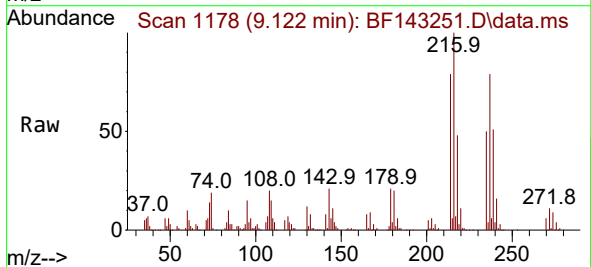
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

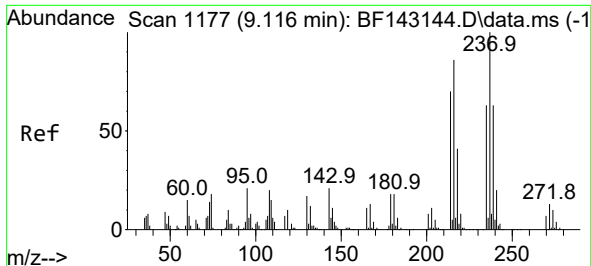
Tgt Ion:164 Resp: 146247
Ion Ratio Lower Upper
164 100
162 96.2 79.0 118.6
160 43.4 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.405 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:216 Resp: 191713
Ion Ratio Lower Upper
216 100
214 78.6 63.8 95.8
179 20.2 16.4 24.6
108 21.1 15.6 23.4

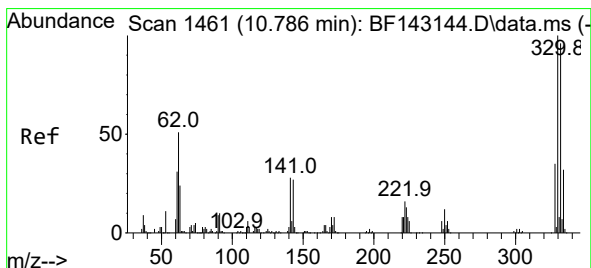
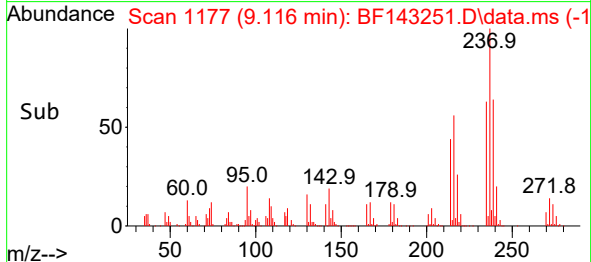
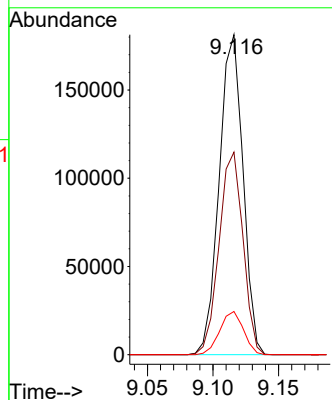
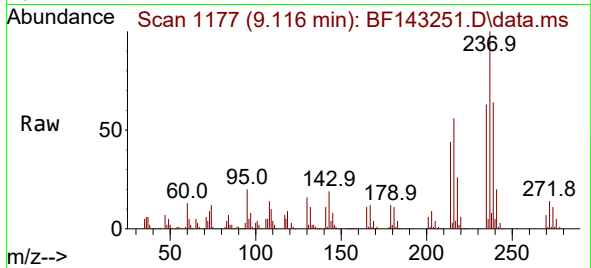




#41
Hexachlorocyclopentadiene
Concen: 83.172 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

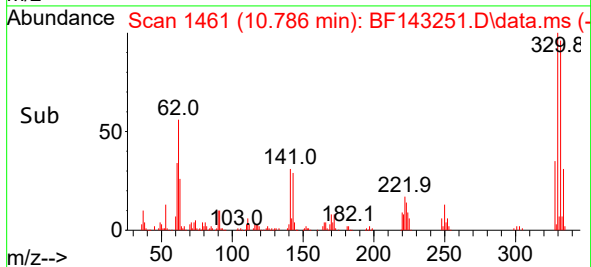
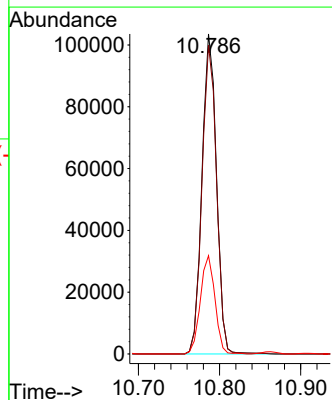
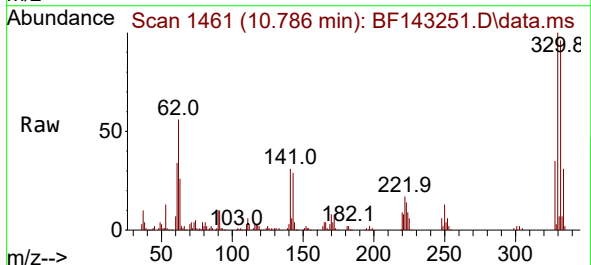
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

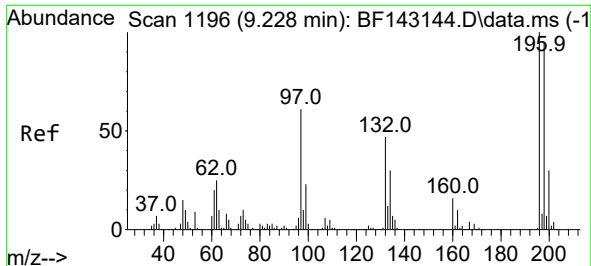
Tgt Ion:237 Resp: 228502
Ion Ratio Lower Upper
237 100
235 63.3 43.0 83.0
272 13.5 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 84.891 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

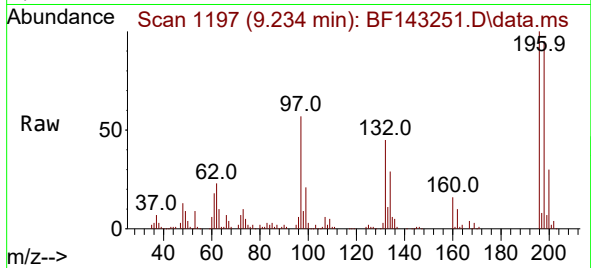
Tgt Ion:330 Resp: 128255
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 30.9 23.3 34.9



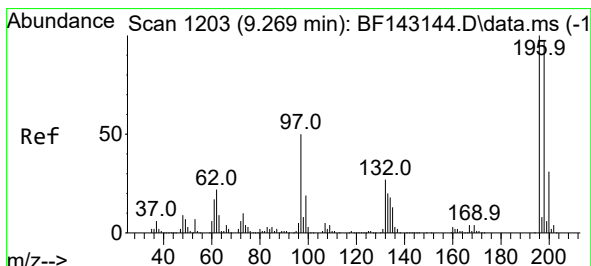
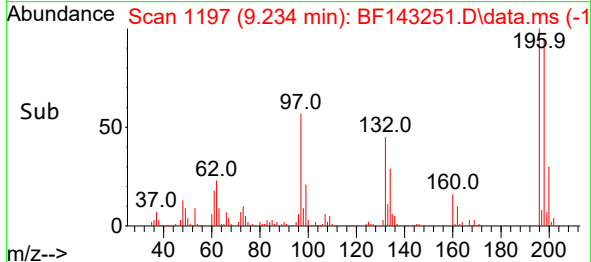
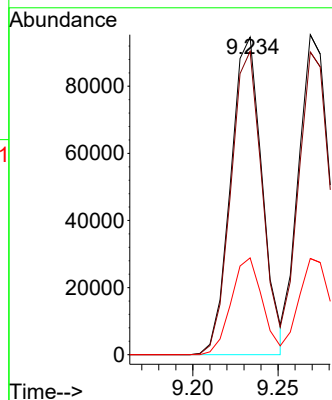


#43
2,4,6-Trichlorophenol
Concen: 41.575 ng
RT: 9.234 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

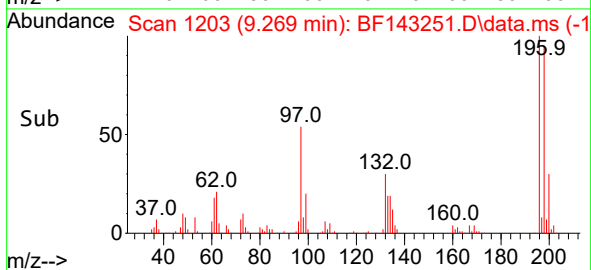
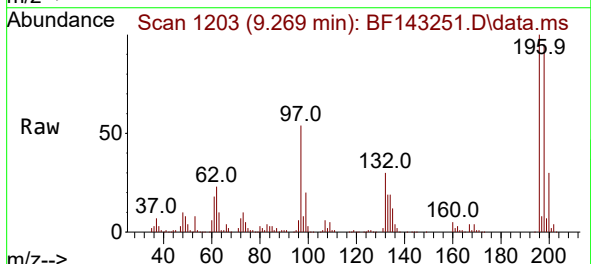
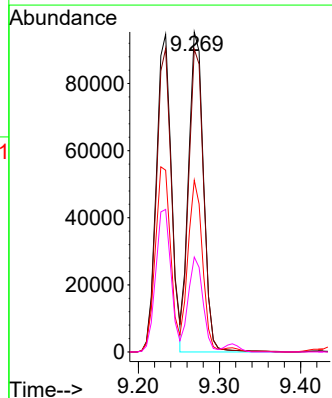


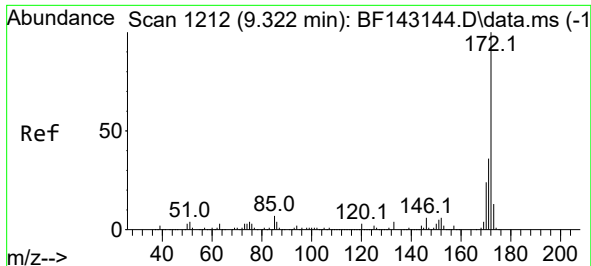
Tgt Ion:196 Resp: 121490
Ion Ratio Lower Upper
196 100
198 95.5 76.2 114.2
200 30.5 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 41.780 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:196 Resp: 122127
Ion Ratio Lower Upper
196 100
198 94.6 77.3 115.9
97 53.7 40.3 60.5
132 29.6 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 61.842 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

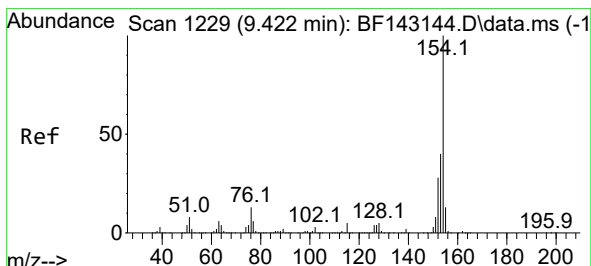
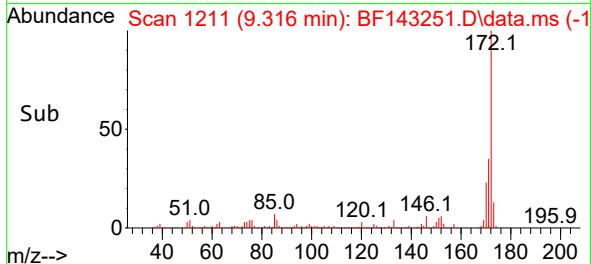
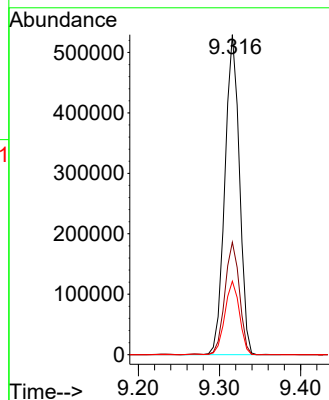
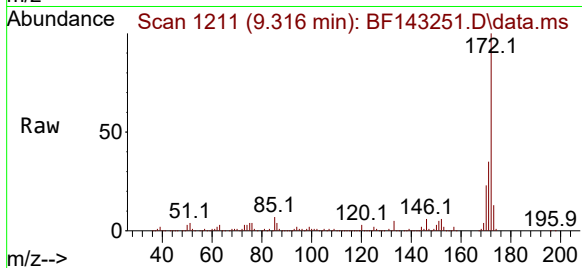
Tgt Ion:172 Resp: 661306

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.0 18.8 28.2



#46

1,1'-Biphenyl

Concen: 44.193 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

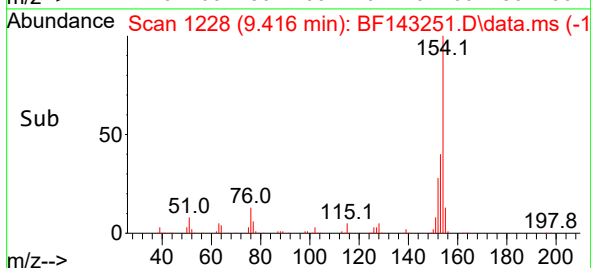
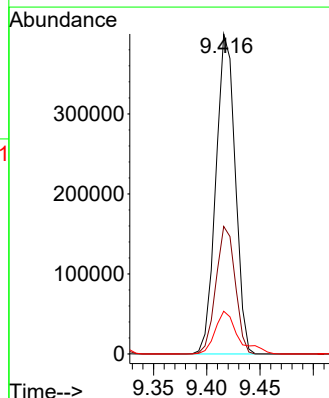
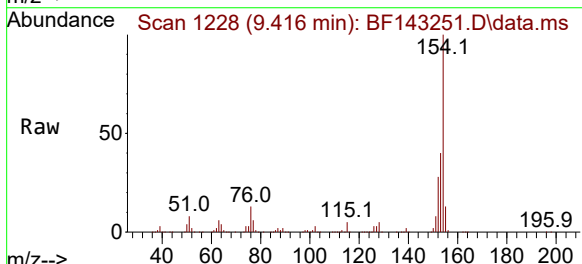
Tgt Ion:154 Resp: 504252

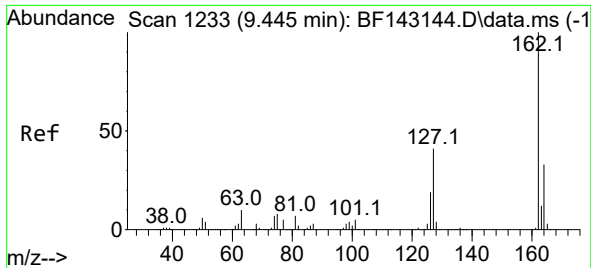
Ion Ratio Lower Upper

154 100

153 39.9 20.3 60.3

76 13.4 0.0 33.3

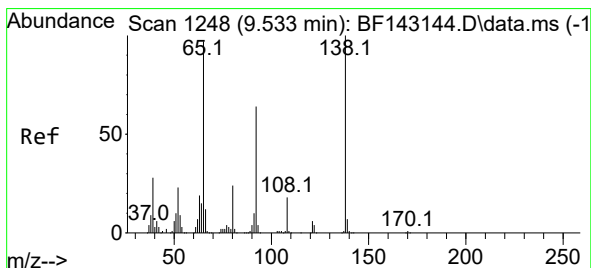
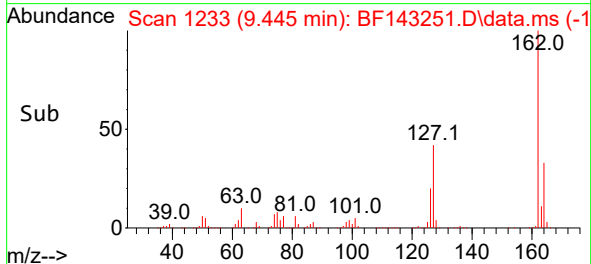
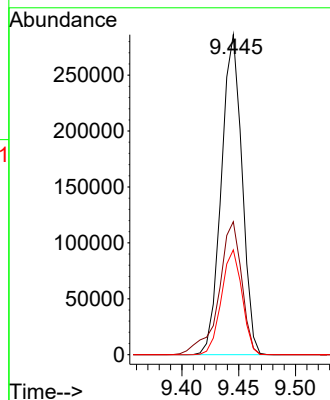
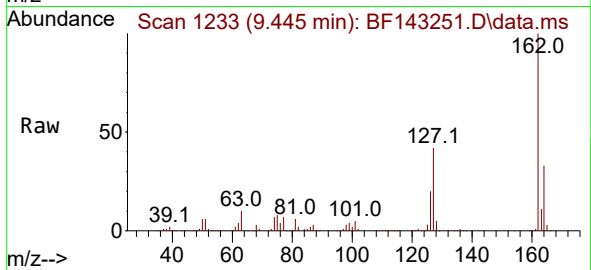




#47
2-Chloronaphthalene
Concen: 42.895 ng
RT: 9.445 min Scan# 1233
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

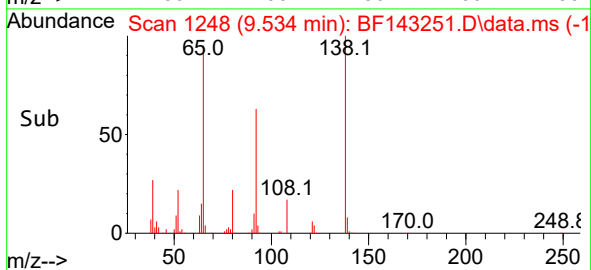
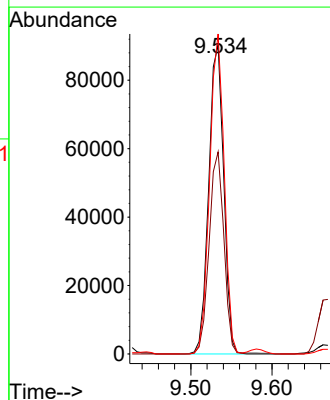
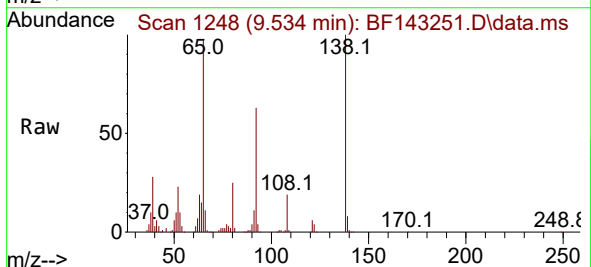
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

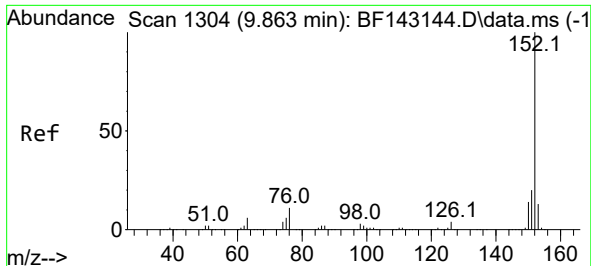
Tgt Ion:162 Resp: 362145
Ion Ratio Lower Upper
162 100
127 41.6 33.4 50.2
164 32.7 26.2 39.2



#48
2-Nitroaniline
Concen: 43.649 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

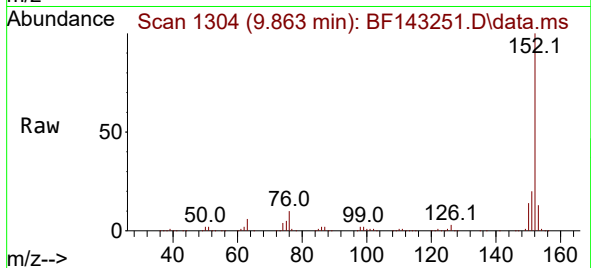
Tgt Ion: 65 Resp: 115564
Ion Ratio Lower Upper
65 100
92 65.4 52.4 78.6
138 103.6 82.3 123.5



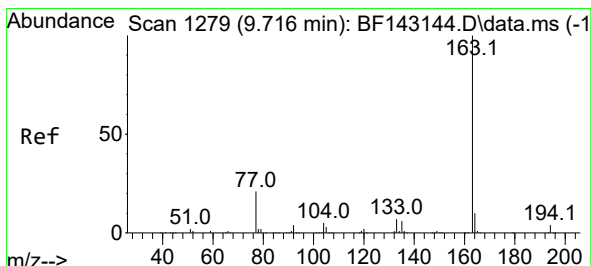
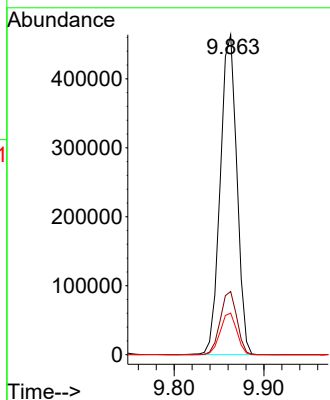
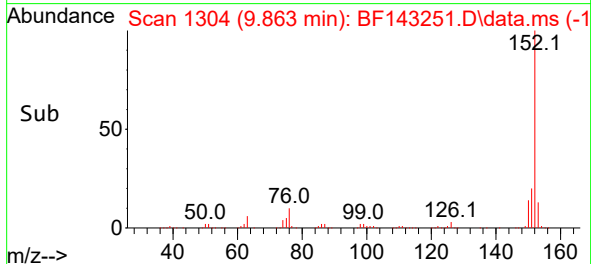


#49
Acenaphthylene
Concen: 42.089 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

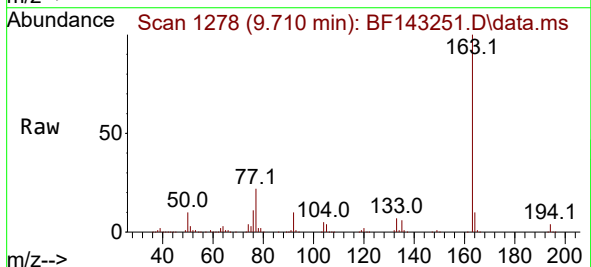
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS



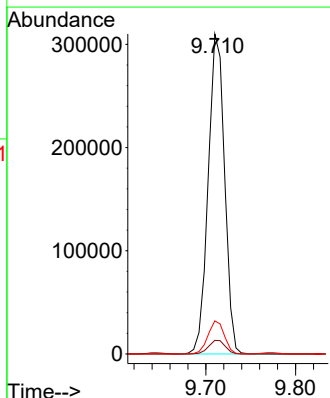
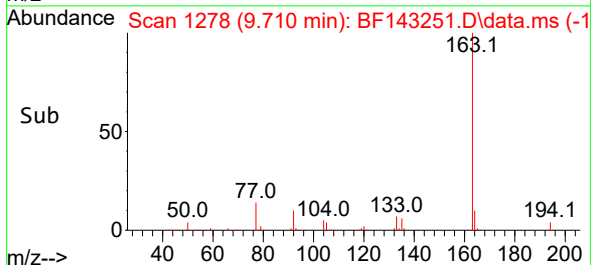
Tgt Ion:152 Resp: 595504
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.0 10.6 16.0

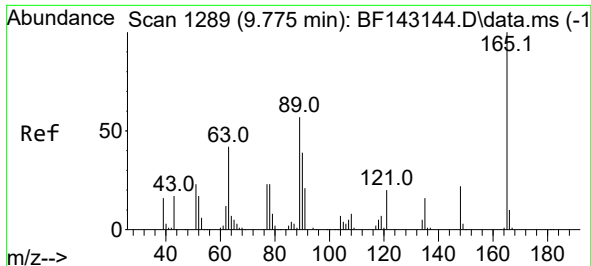


#50
Dimethylphthalate
Concen: 41.305 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18



Tgt Ion:163 Resp: 393754
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.4 8.3 12.5

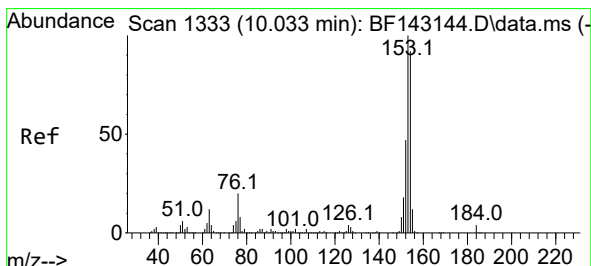
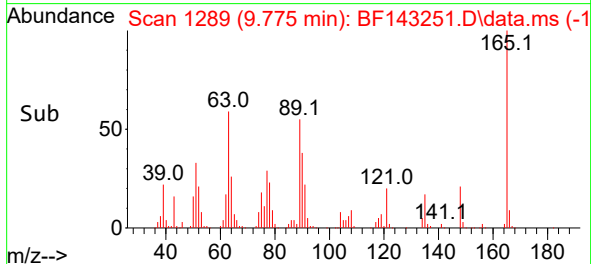
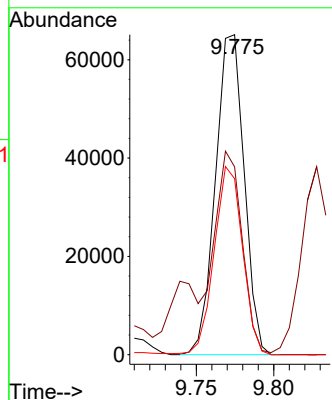
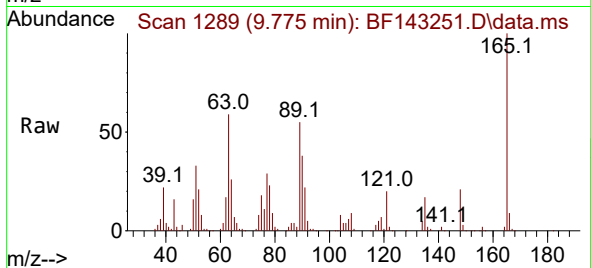




#51
2,6-Dinitrotoluene
Concen: 43.323 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

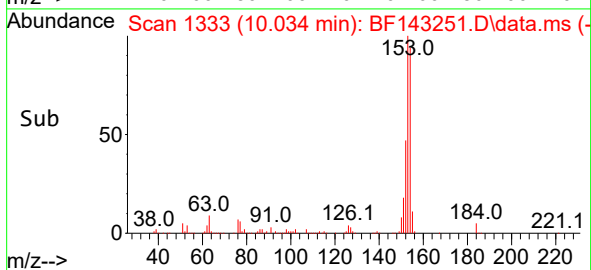
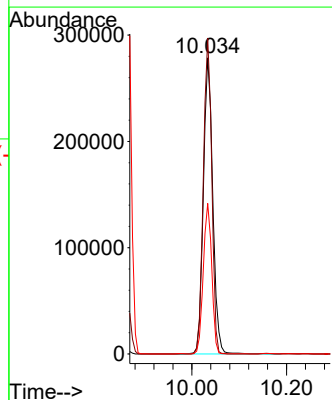
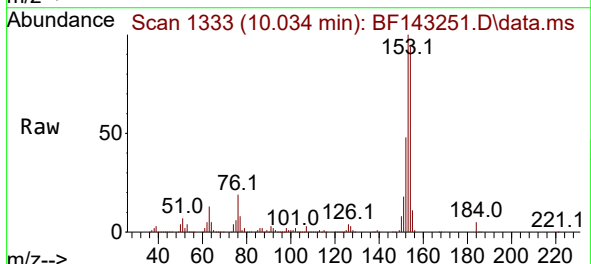
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

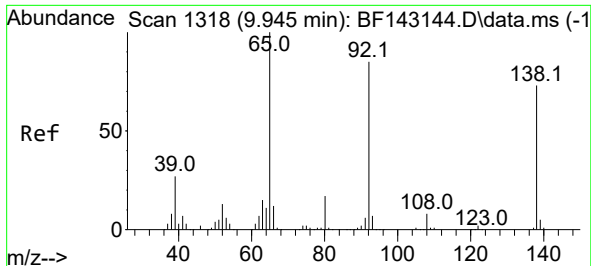
Tgt Ion:165 Resp: 84014
Ion Ratio Lower Upper
165 100
63 58.7 49.4 74.2
89 55.0 46.2 69.2



#52
Acenaphthene
Concen: 45.904 ng
RT: 10.034 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:154 Resp: 383872
Ion Ratio Lower Upper
154 100
153 106.7 86.6 129.8
152 50.8 40.4 60.6

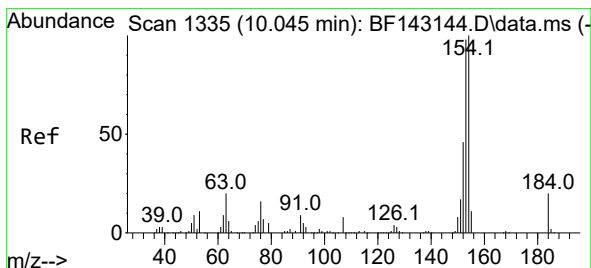
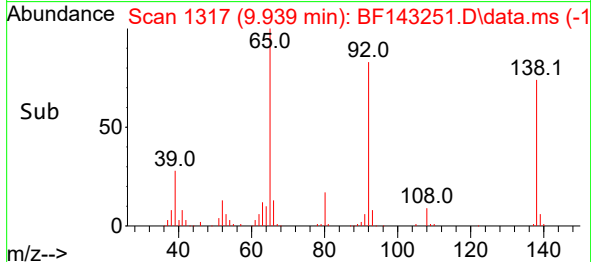
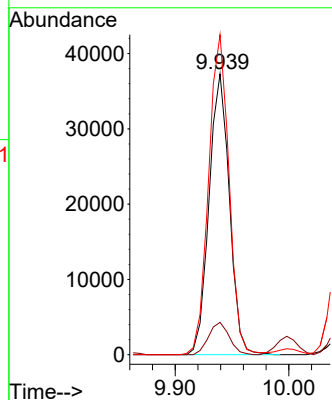
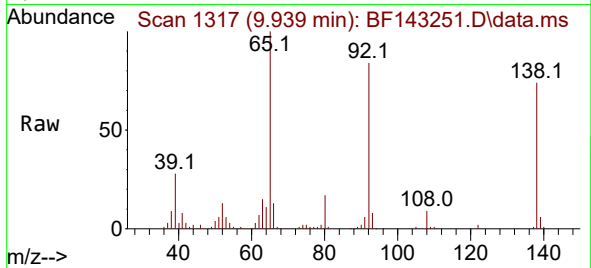




#53
3-Nitroaniline
Concen: 20.456 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

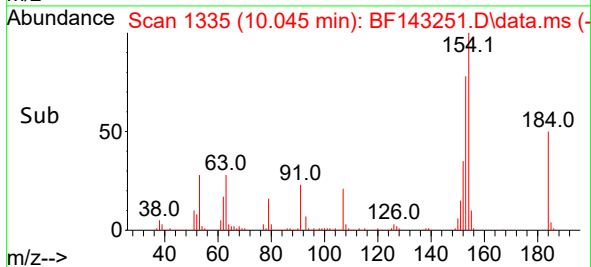
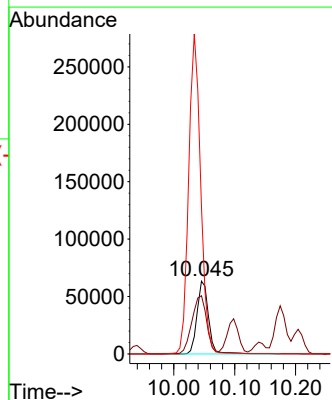
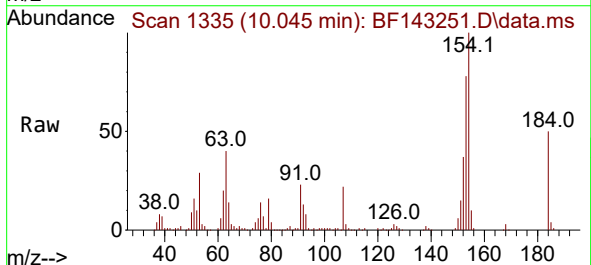
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

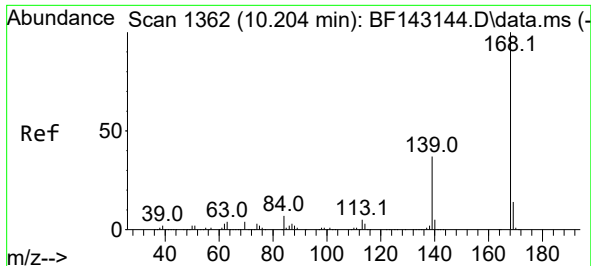
Tgt Ion:138 Resp: 46399
Ion Ratio Lower Upper
138 100
108 11.5 9.0 13.6
92 114.0 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 94.036 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:184 Resp: 83770
Ion Ratio Lower Upper
184 100
63 79.9 81.8 122.6#
154 201.5 412.2 618.4#

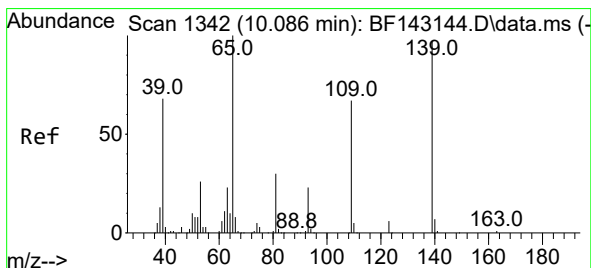
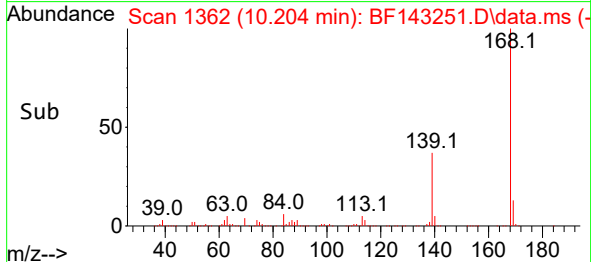
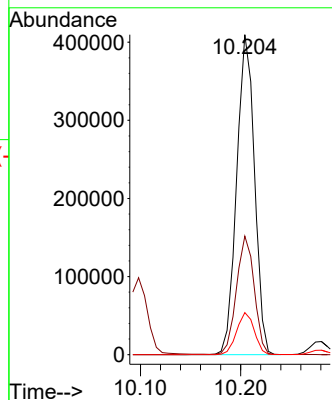
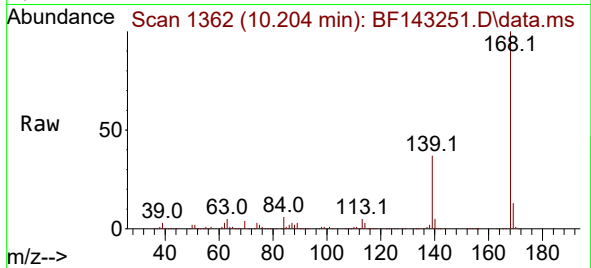




#55
Dibenzenofuran
Concen: 40.807 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

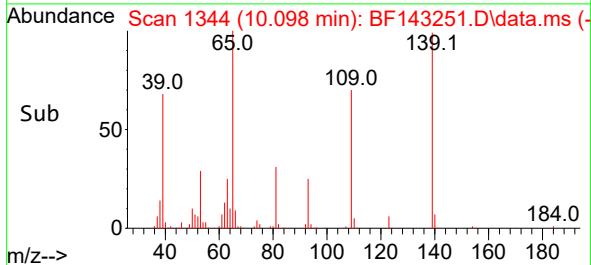
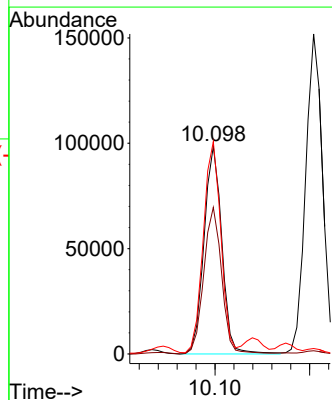
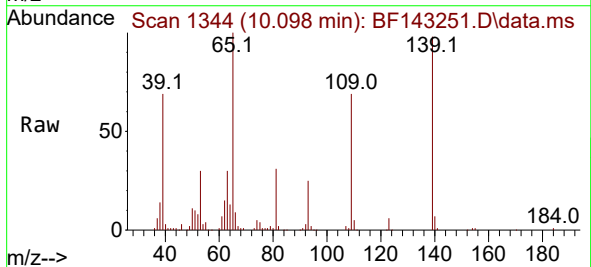
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

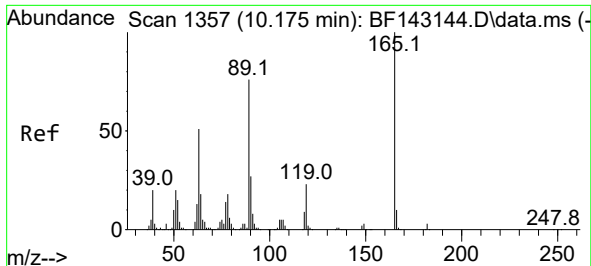
Tgt Ion:168 Resp: 506642
Ion Ratio Lower Upper
168 100
139 37.1 29.5 44.3
169 13.1 10.9 16.3



#56
4-Nitrophenol
Concen: 76.123 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:139 Resp: 128939
Ion Ratio Lower Upper
139 100
109 70.6 48.5 88.5
65 102.3 83.4 123.4

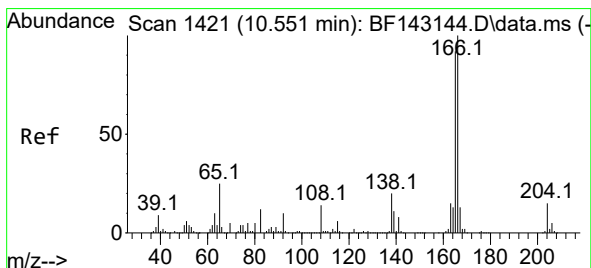
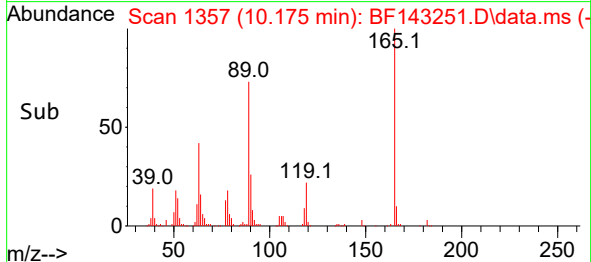
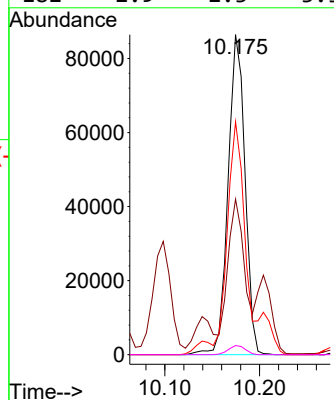
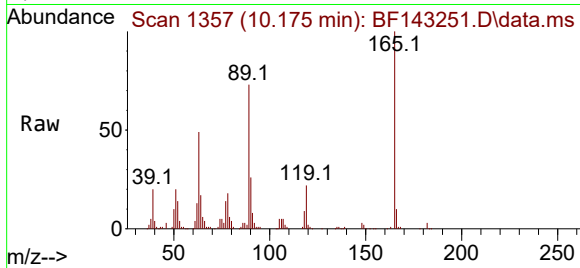




#57
2,4-Dinitrotoluene
Concen: 44.150 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

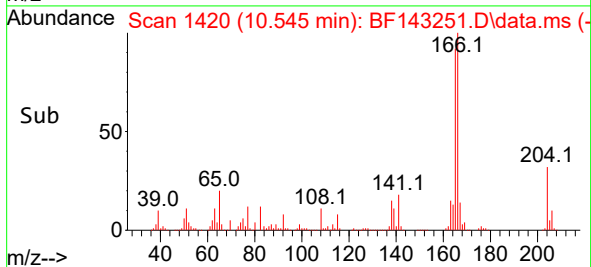
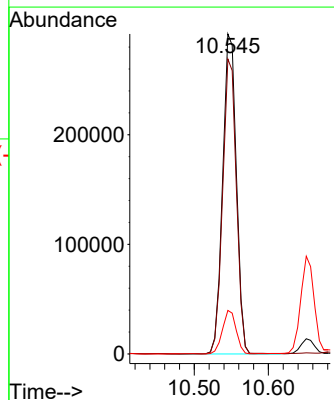
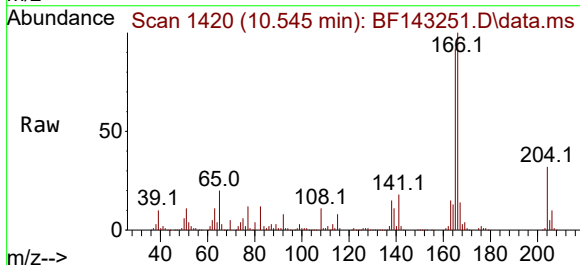
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

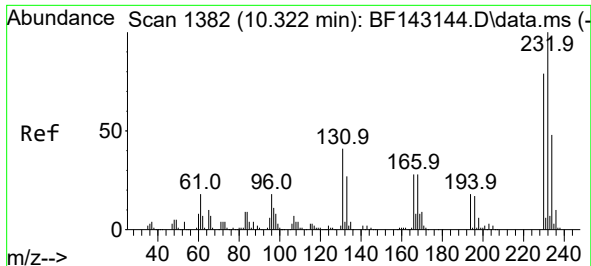
Tgt Ion:165 Resp: 107416
Ion Ratio Lower Upper
165 100
63 48.6 41.0 61.4
89 72.8 61.1 91.7
182 2.9 2.3 3.5



#58
Fluorene
Concen: 40.318 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:166 Resp: 375689
Ion Ratio Lower Upper
166 100
165 92.2 73.7 110.5
167 13.6 10.6 16.0

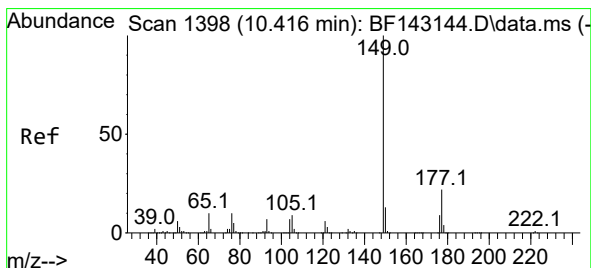
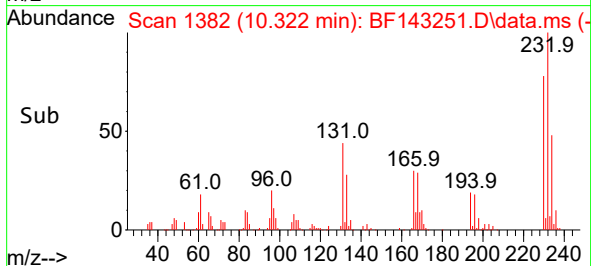
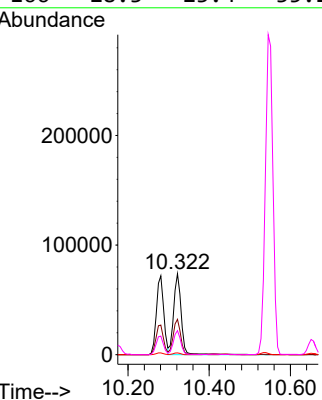
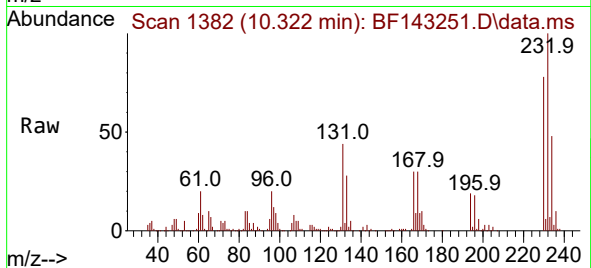




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.329 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

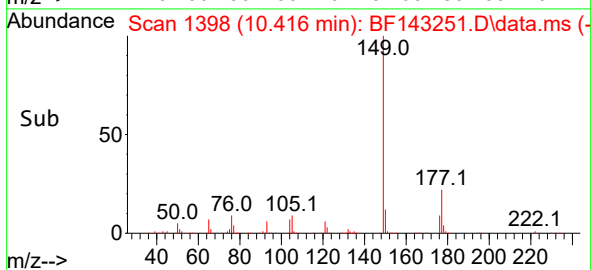
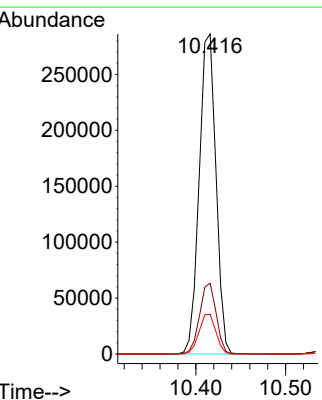
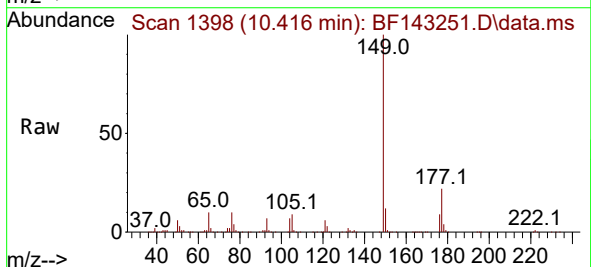
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

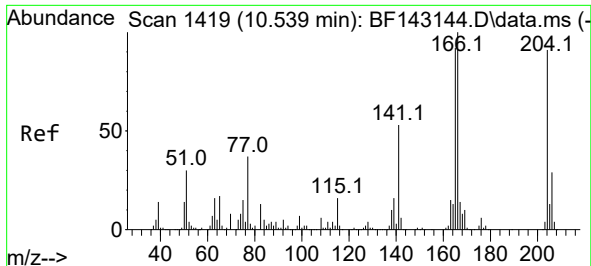
Tgt Ion:232 Resp: 95231
Ion Ratio Lower Upper
232 100
131 43.2 35.3 52.9
130 2.1 1.7 2.5
166 28.3 23.4 35.2



#60
Diethylphthalate
Concen: 39.419 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:149 Resp: 371417
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.4 10.2 15.2

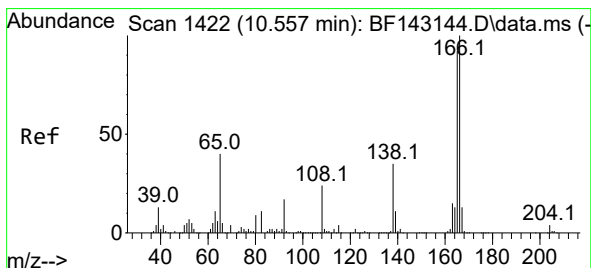
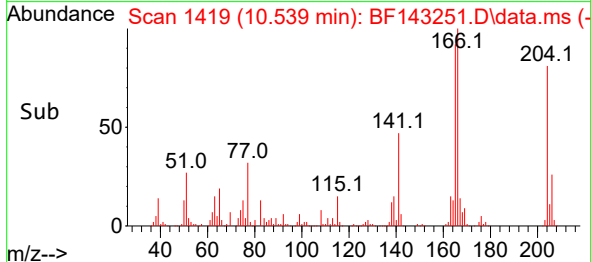
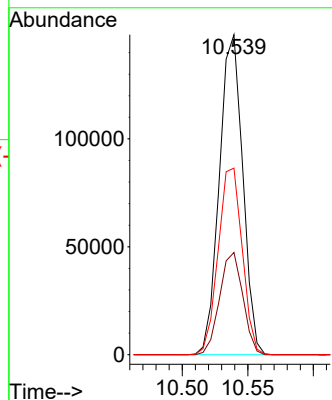
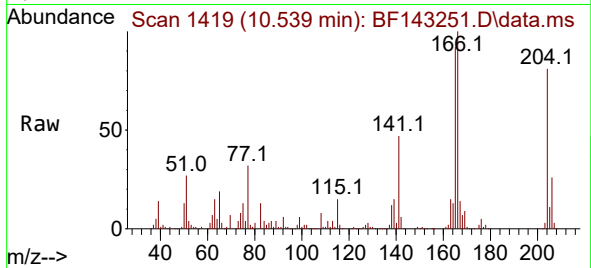




#61
4-Chlorophenyl-phenylether
Concen: 39.613 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

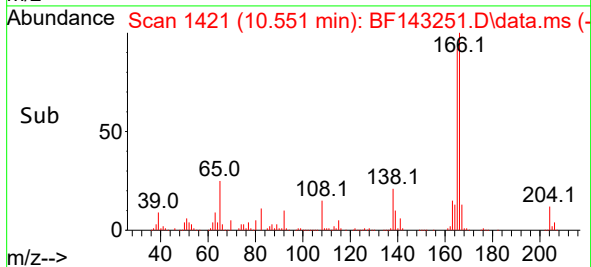
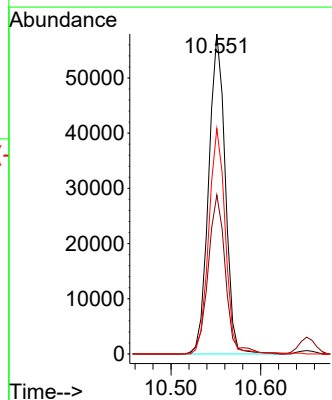
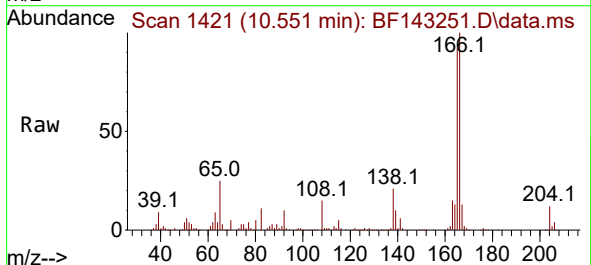
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

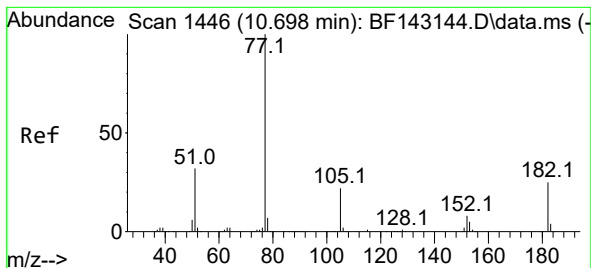
Tgt Ion:204 Resp: 183801
Ion Ratio Lower Upper
204 100
206 31.9 25.8 38.8
141 58.3 47.0 70.4



#62
4-Nitroaniline
Concen: 38.096 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:138 Resp: 74059
Ion Ratio Lower Upper
138 100
92 49.7 29.3 69.3
108 70.5 48.3 88.3





#63

Azobenzene

Concen: 42.142 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

Tgt Ion: 77 Resp: 413840

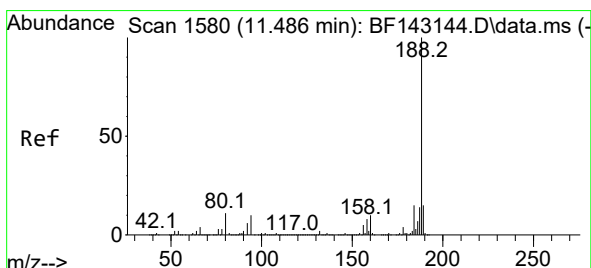
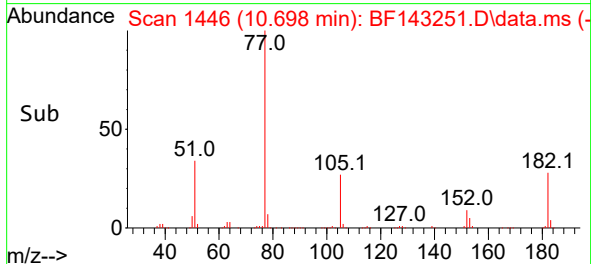
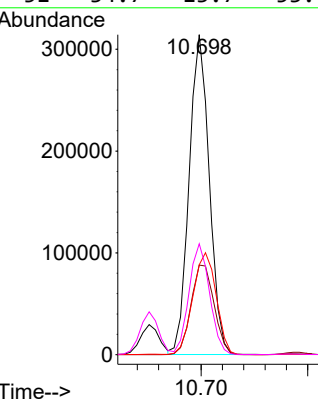
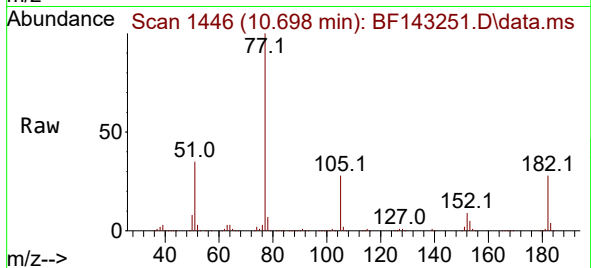
Ion Ratio Lower Upper

77 100

182 28.0 4.6 44.6

105 28.1 1.4 41.4

51 34.7 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

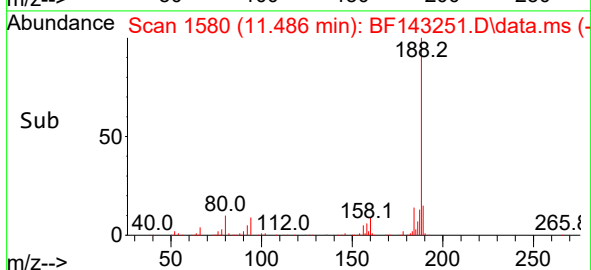
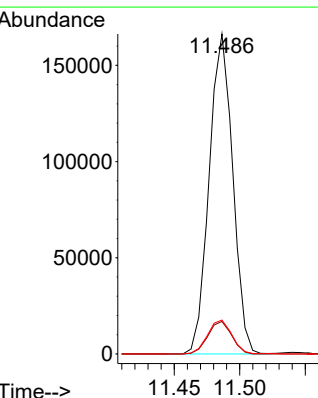
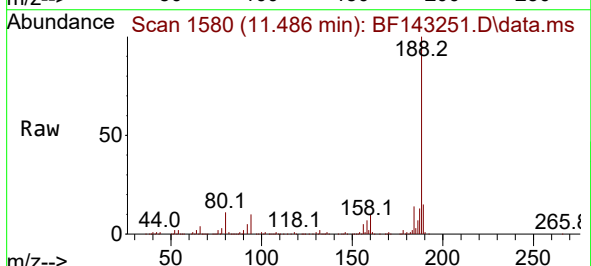
Tgt Ion:188 Resp: 207876

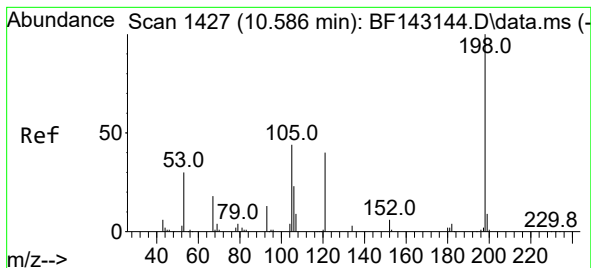
Ion Ratio Lower Upper

188 100

94 10.1 8.3 12.5

80 10.6 9.0 13.6

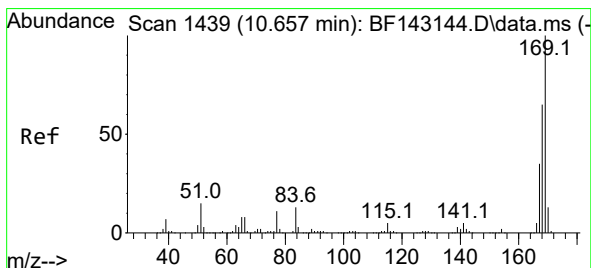
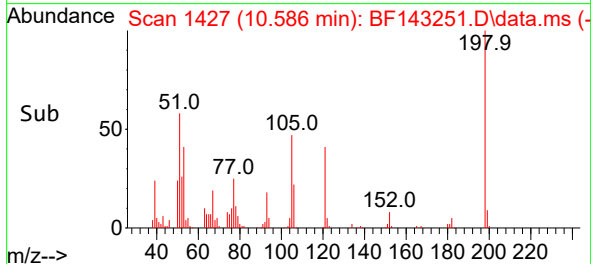
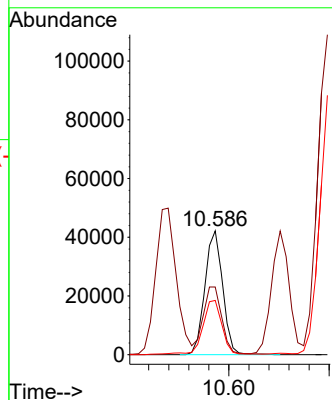
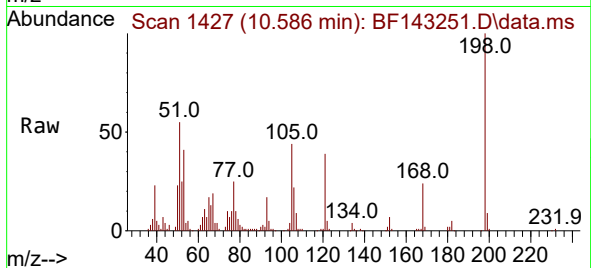




#65
4,6-Dinitro-2-methylphenol
Concen: 47.881 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

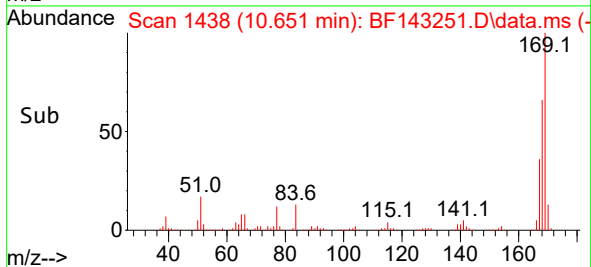
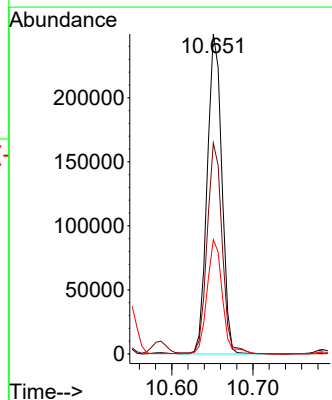
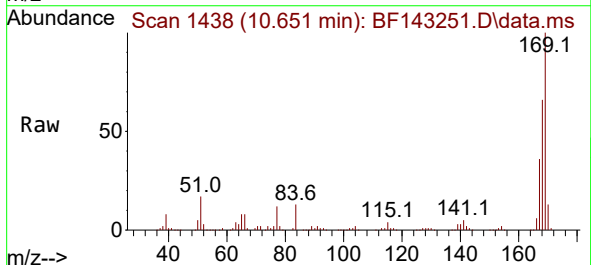
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

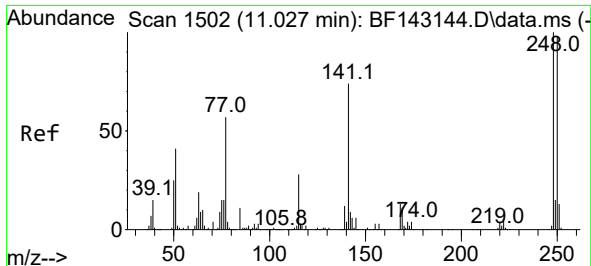
Tgt Ion:198 Resp: 52162
Ion Ratio Lower Upper
198 100
51 54.7 37.2 77.2
105 43.9 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 42.504 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:169 Resp: 311131
Ion Ratio Lower Upper
169 100
168 66.0 52.1 78.1
167 35.7 28.2 42.2

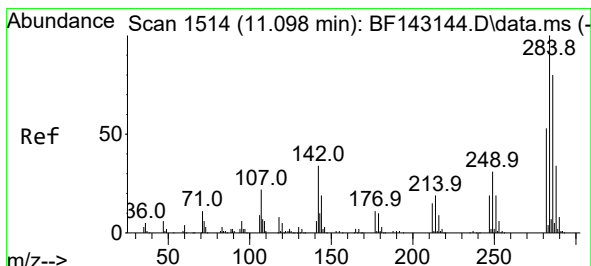
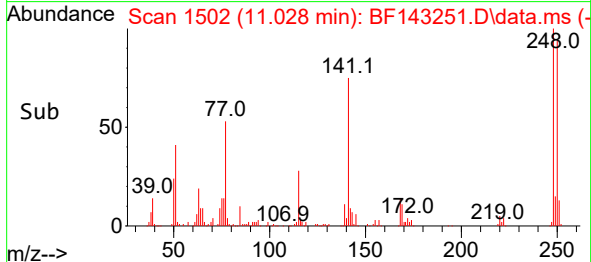
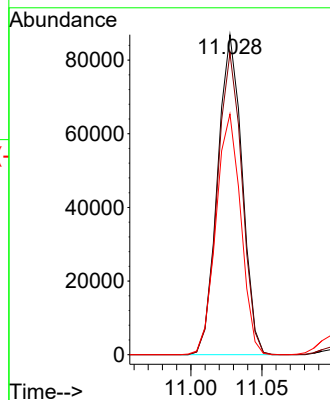
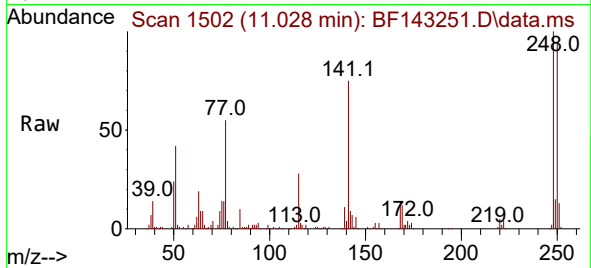




#67
4-Bromophenyl-phenylether
Concen: 42.136 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

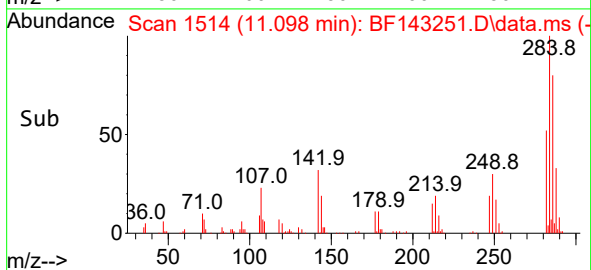
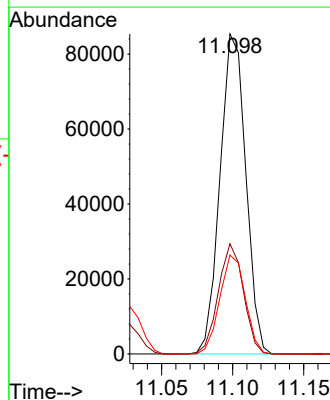
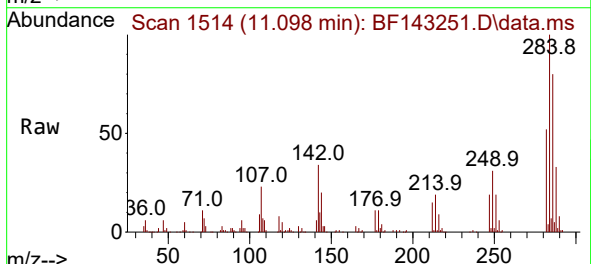
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

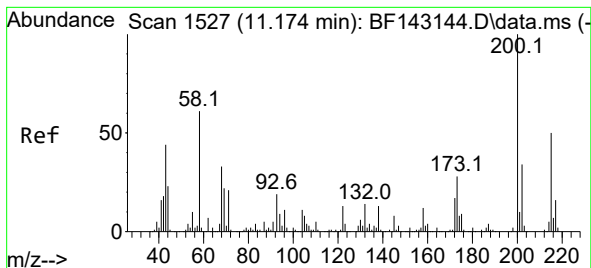
Tgt Ion:248 Resp: 104384
Ion Ratio Lower Upper
248 100
250 94.2 78.3 117.5
141 75.2 59.2 88.8



#68
Hexachlorobenzene
Concen: 41.534 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:284 Resp: 107544
Ion Ratio Lower Upper
284 100
142 34.5 27.0 40.6
249 30.9 25.0 37.6





#69

Atrazine

Concen: 44.059 ng

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

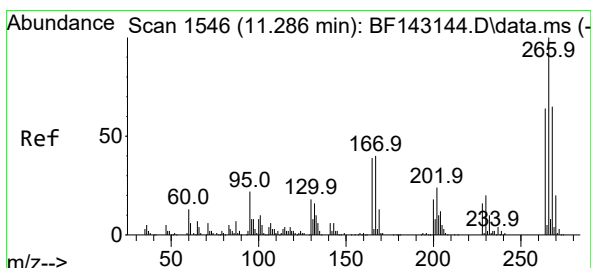
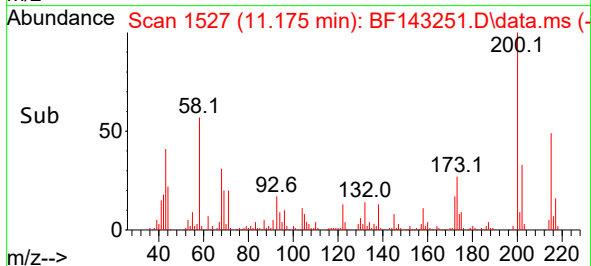
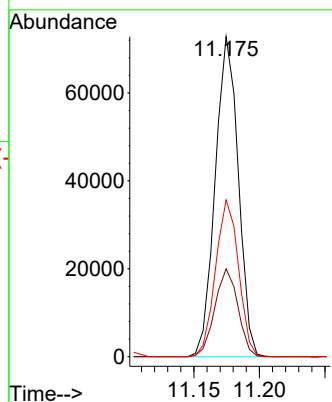
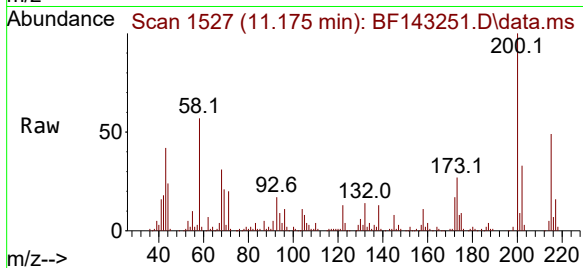
Tgt Ion:200 Resp: 88912

Ion Ratio Lower Upper

200 100

173 27.5 7.9 47.9

215 49.0 30.1 70.1



#70

Pentachlorophenol

Concen: 79.125 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

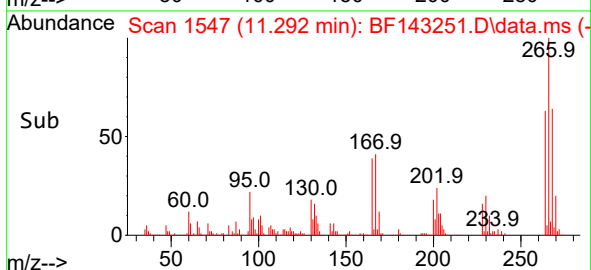
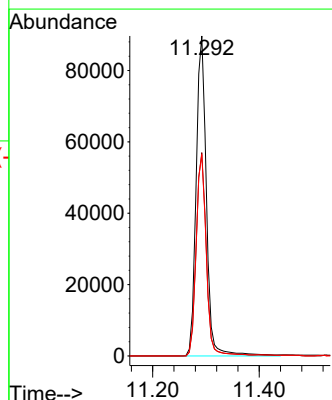
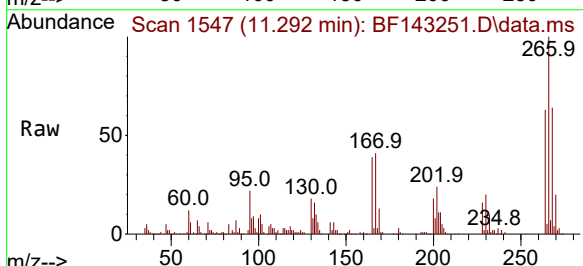
Tgt Ion:266 Resp: 120487

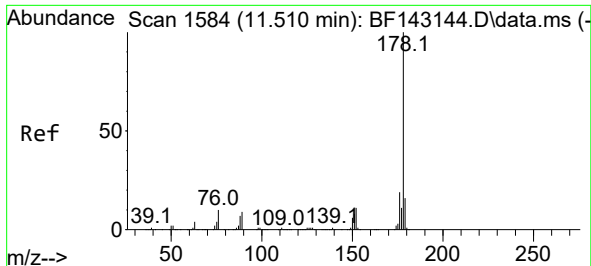
Ion Ratio Lower Upper

266 100

268 63.5 51.9 77.9

264 63.0 51.0 76.6

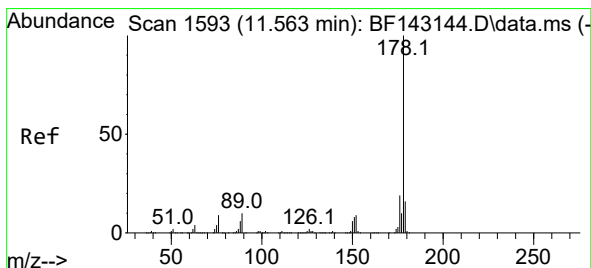
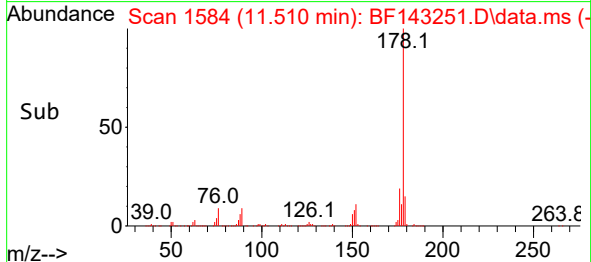
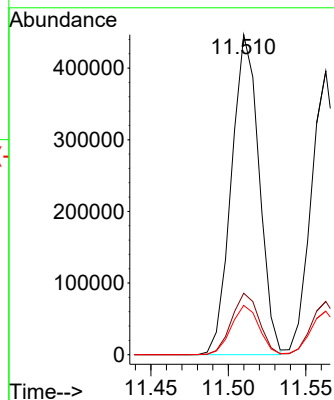
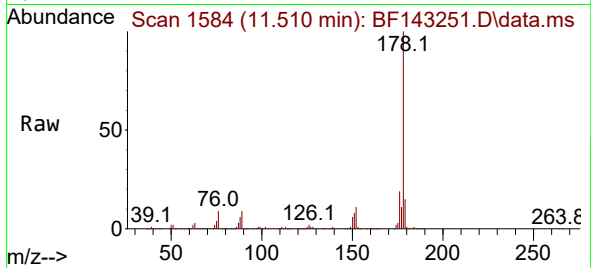




#71
Phenanthrene
Concen: 50.286 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

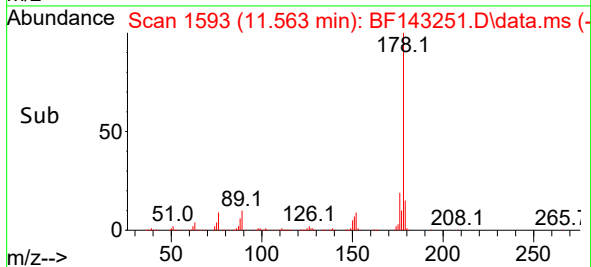
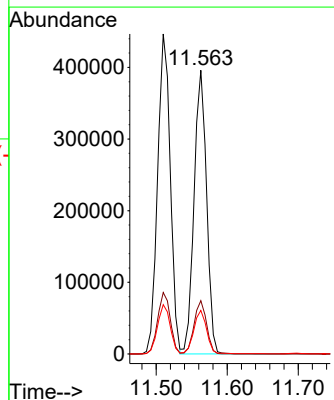
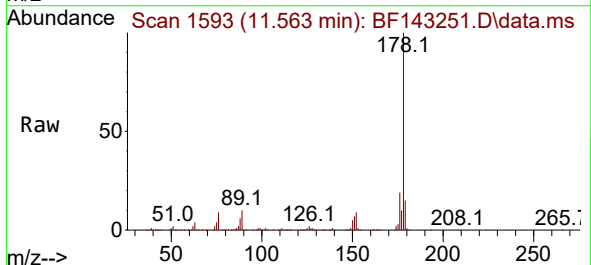
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

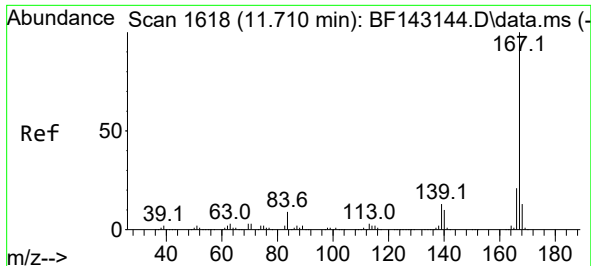
Tgt Ion:178 Resp: 555033
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 43.176 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:178 Resp: 486041
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.3 12.5 18.7

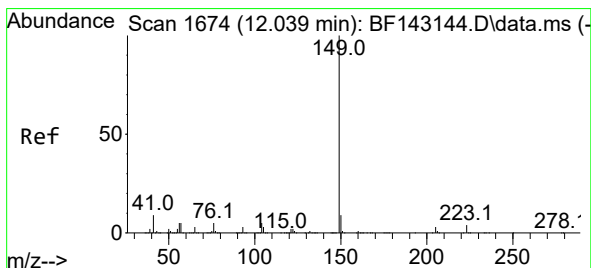
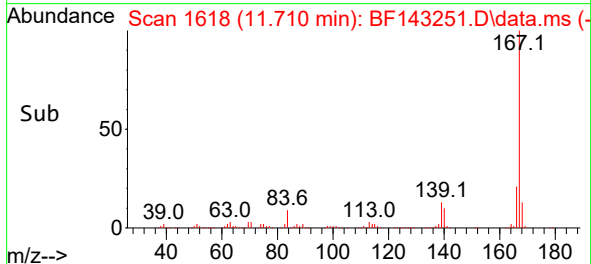
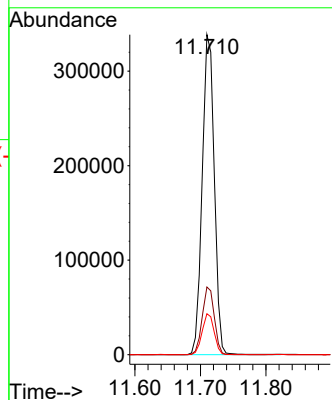
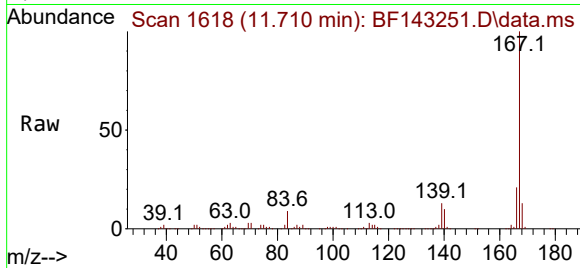




#73
 Carbazole
 Concen: 44.305 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. 0.000 min
 Lab File: BF143251.D
 Acq: 25 Jul 2025 15:18

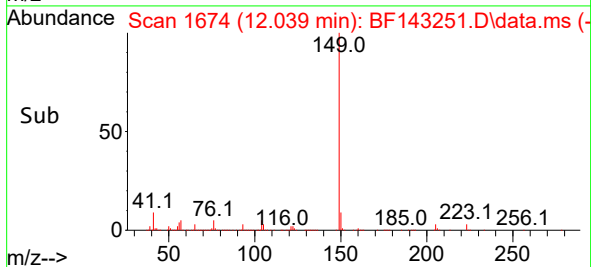
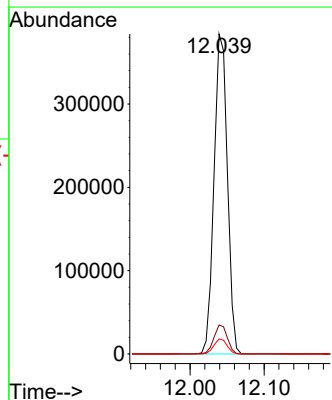
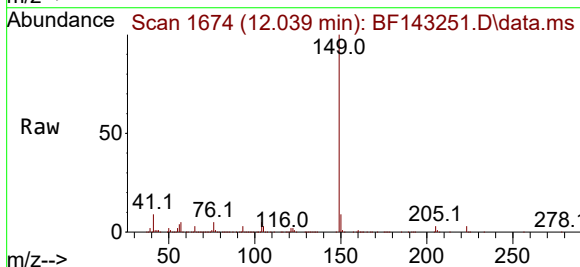
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-251MS

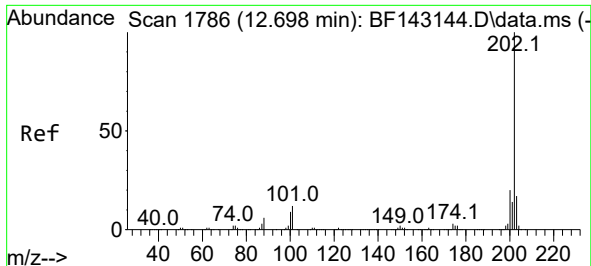
Tgt Ion:167 Resp: 435501
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.8 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 43.138 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143251.D
 Acq: 25 Jul 2025 15:18

Tgt Ion:149 Resp: 479787
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 4.7 3.8 5.8

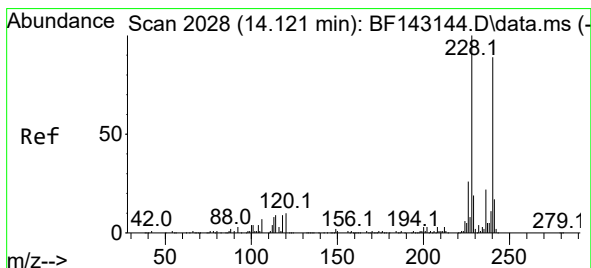
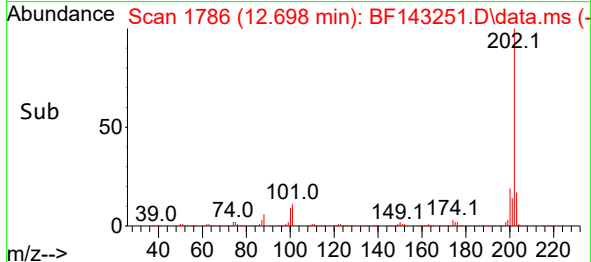
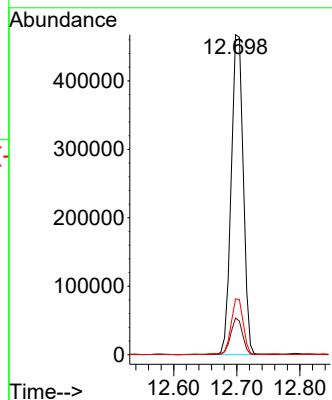
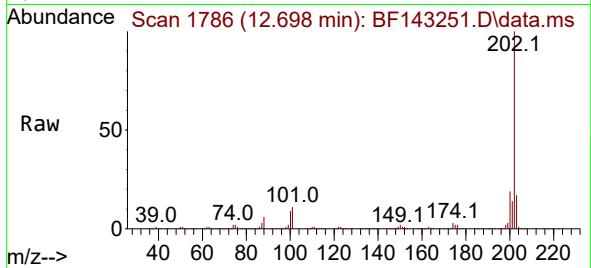




#75
Fluoranthene
Concen: 61.072 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

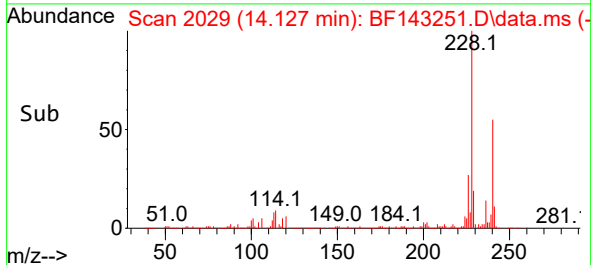
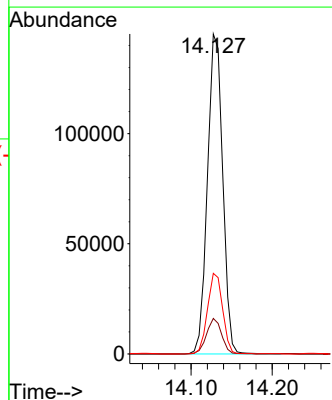
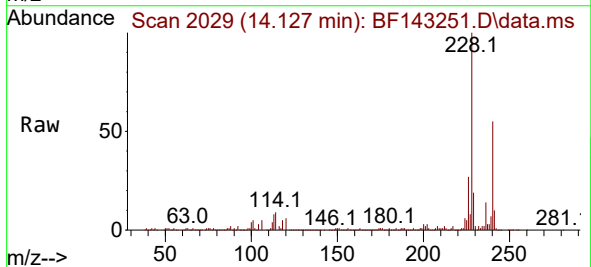
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

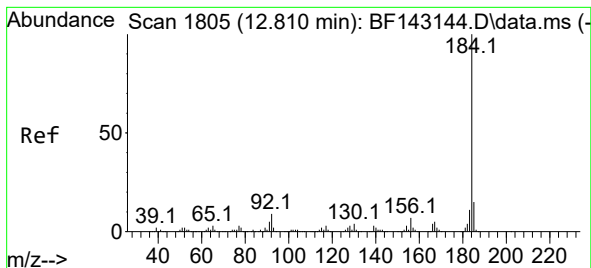
Tgt Ion:202 Resp: 618718
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.7
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:240 Resp: 189106
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 25.2 20.2 30.4





#77

Benzidine

Concen: 25.005 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.006 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

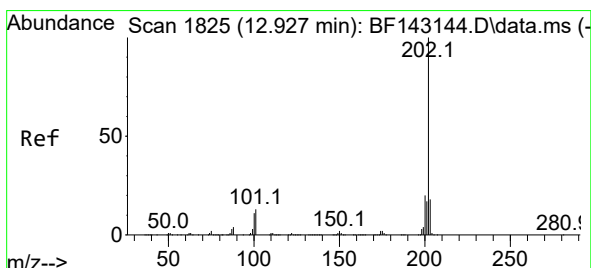
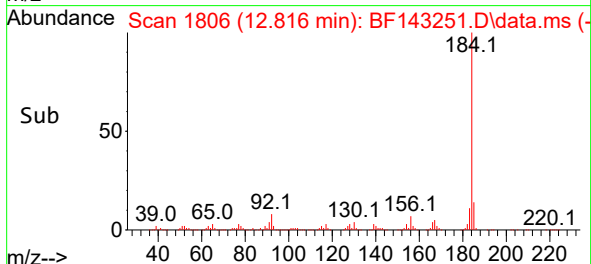
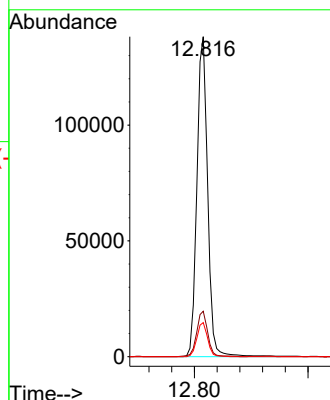
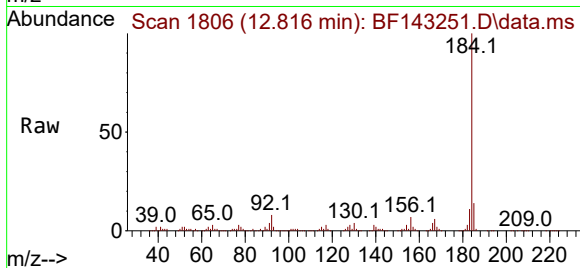
Tgt Ion:184 Resp: 182179

Ion Ratio Lower Upper

184 100

185 14.2 12.2 18.4

183 10.7 9.0 13.4



#78

Pyrene

Concen: 38.475 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

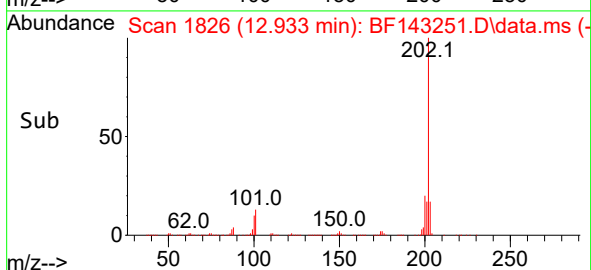
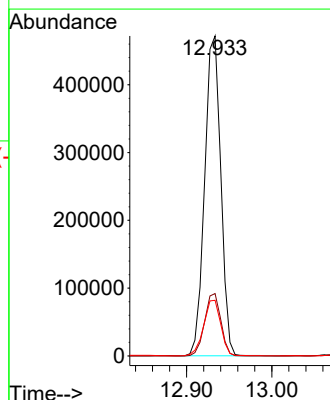
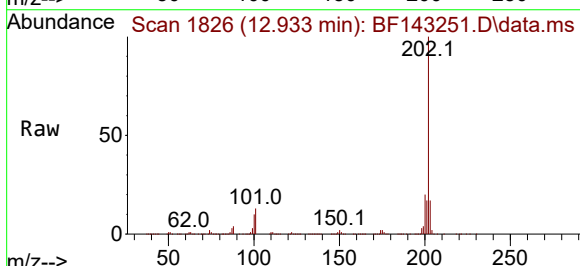
Tgt Ion:202 Resp: 620950

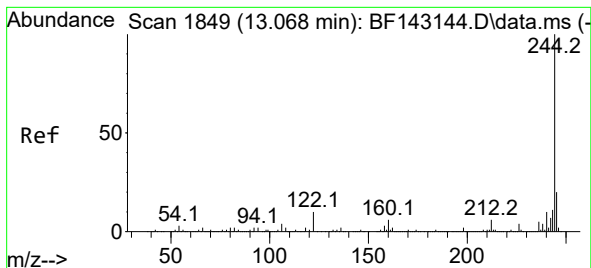
Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 40.409 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

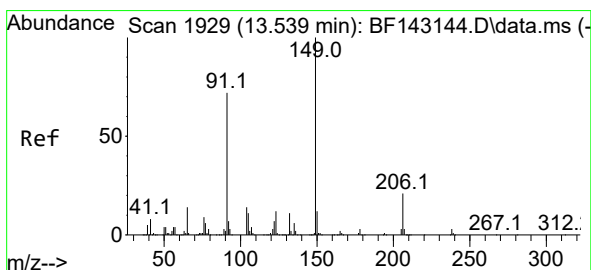
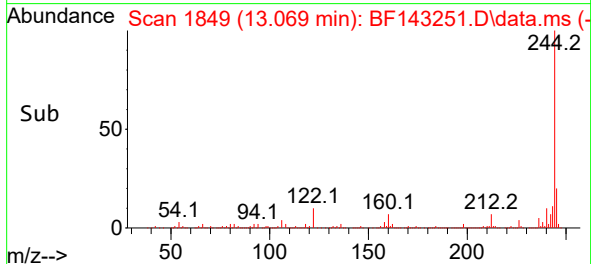
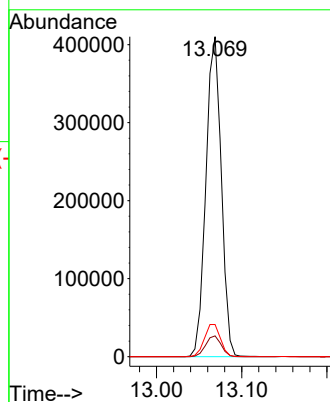
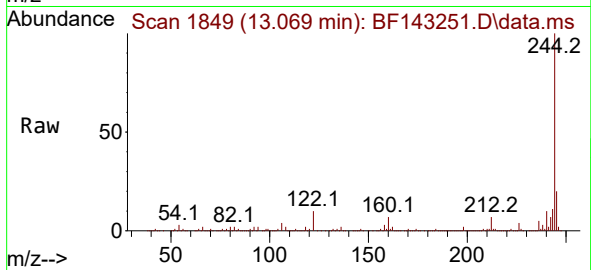
Tgt Ion:244 Resp: 513504

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 10.0 8.2 12.2



#80

Butylbenzylphthalate

Concen: 42.318 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

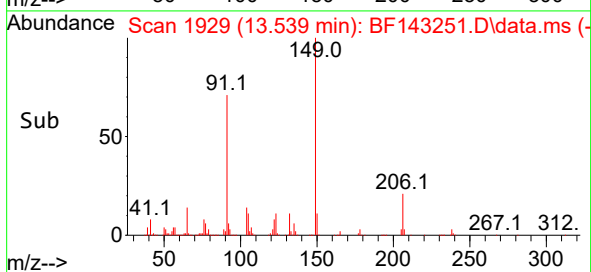
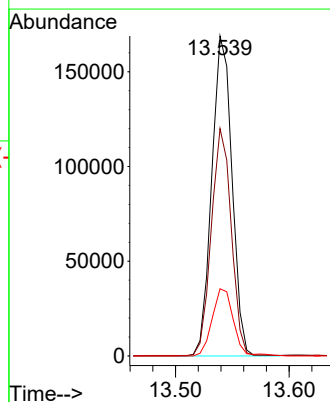
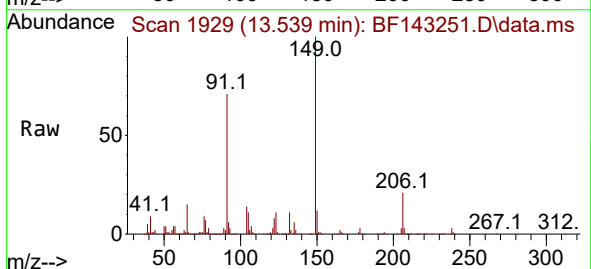
Tgt Ion:149 Resp: 209137

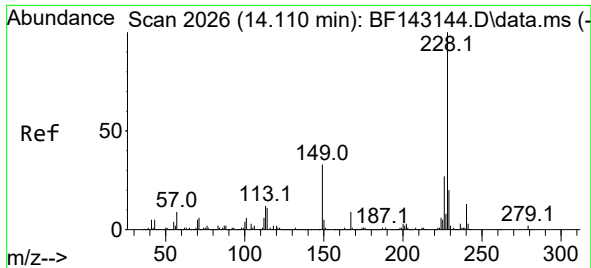
Ion Ratio Lower Upper

149 100

91 71.0 57.9 86.9

206 21.0 17.0 25.4

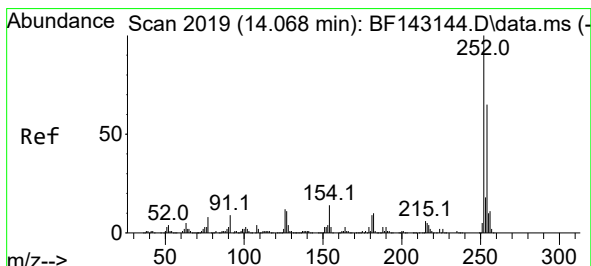
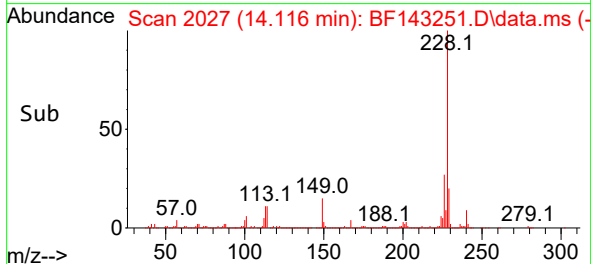
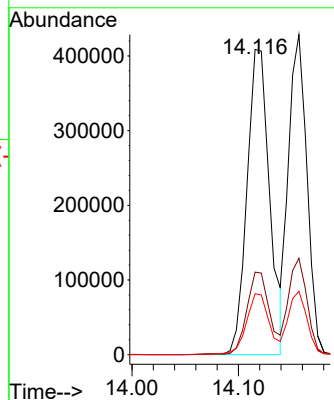
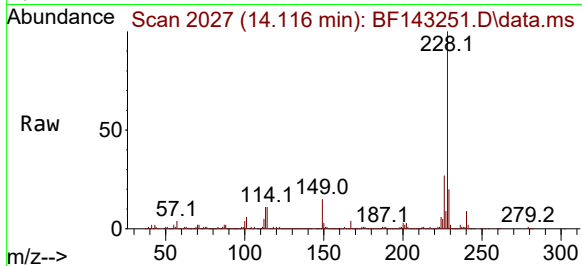




#81
Benzo(a)anthracene
Concen: 47.796 ng
RT: 14.116 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

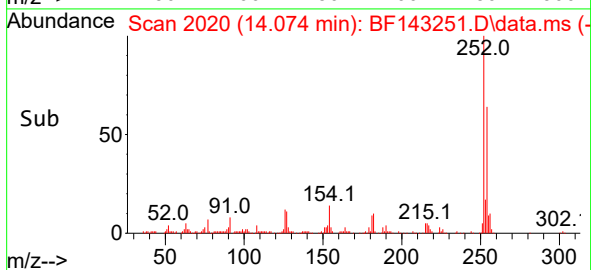
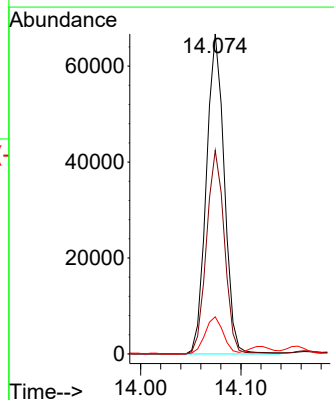
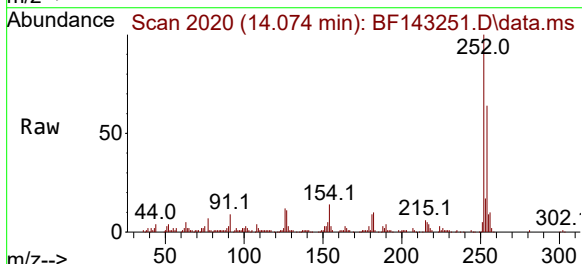
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

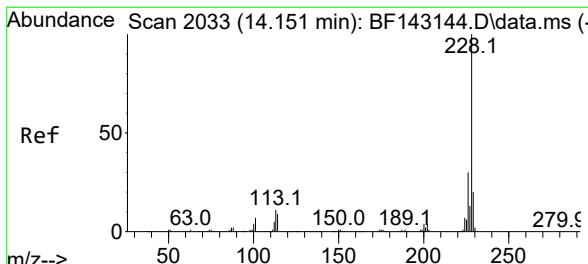
Tgt Ion:228 Resp: 605124
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.9 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 19.730 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:252 Resp: 83252
Ion Ratio Lower Upper
252 100
254 63.6 51.7 77.5
126 11.6 9.4 14.0





#83

Chrysene

Concen: 45.024 ng

RT: 14.157 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

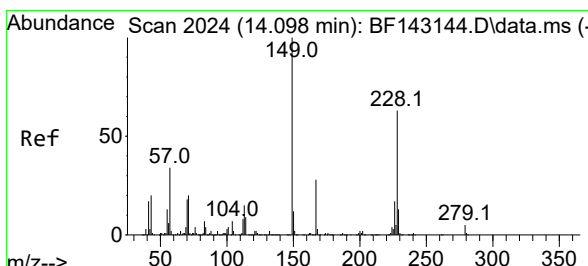
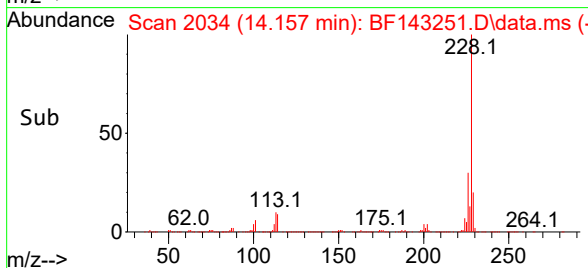
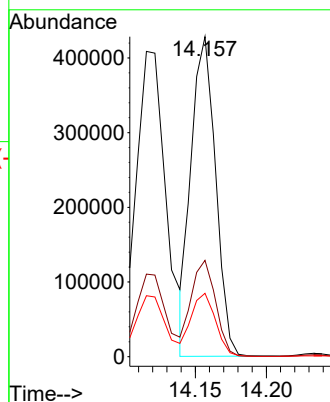
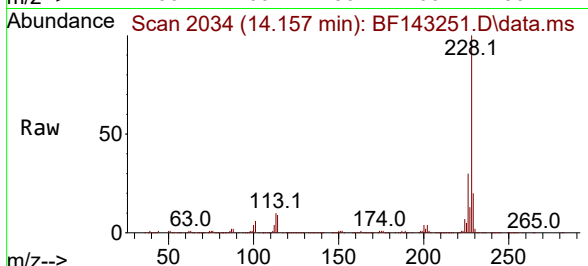
Tgt Ion:228 Resp: 512512

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.521 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

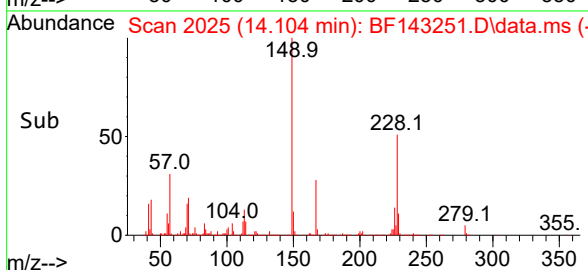
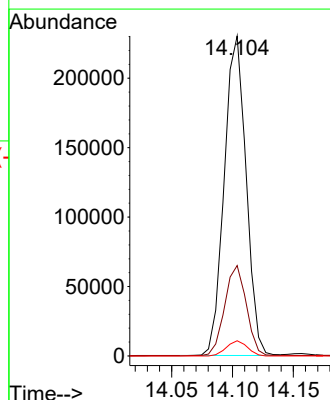
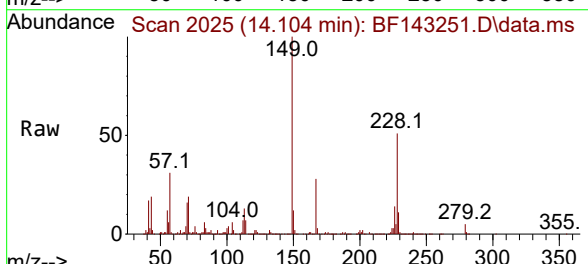
Tgt Ion:149 Resp: 288150

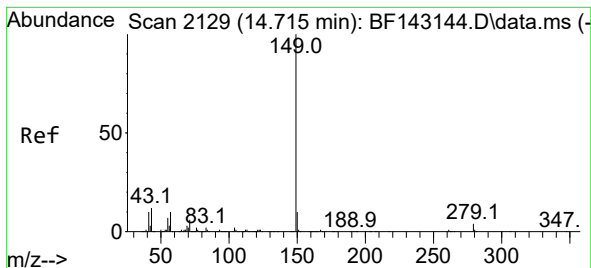
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.7 3.6 5.4

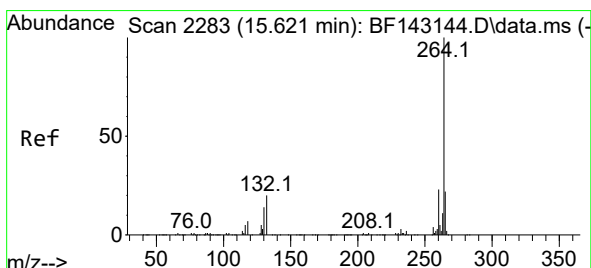
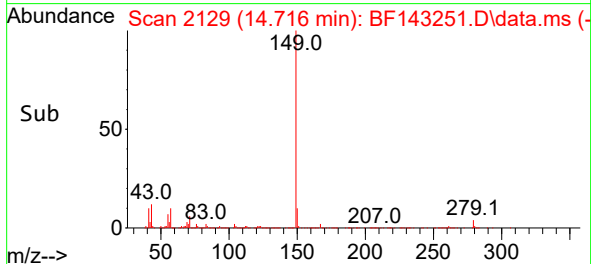
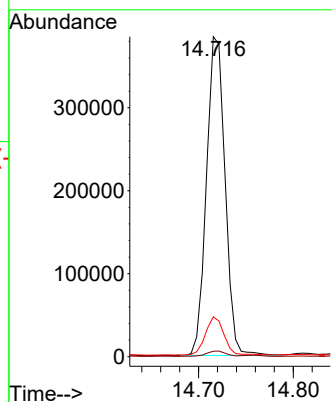
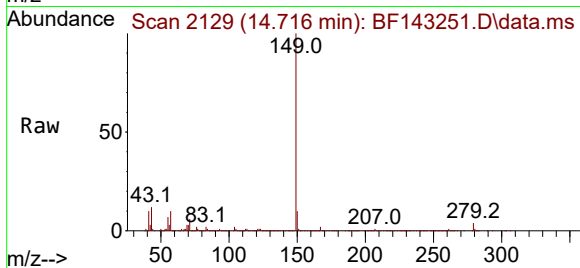




#85
Di-n-octyl phthalate
Concen: 38.747 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

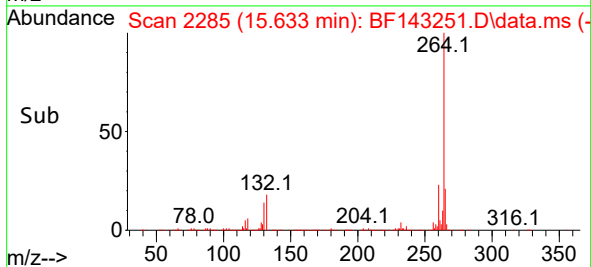
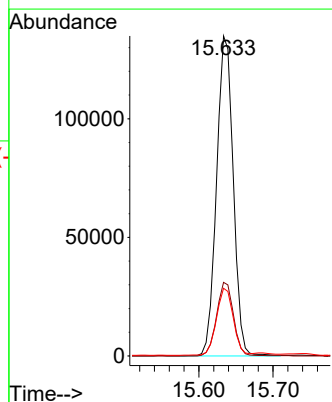
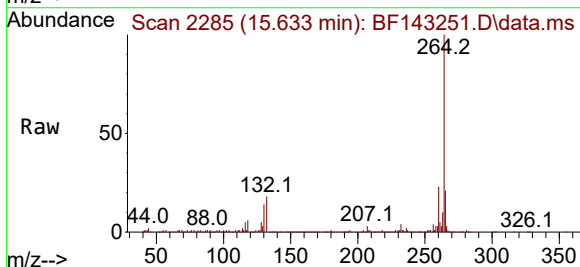
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

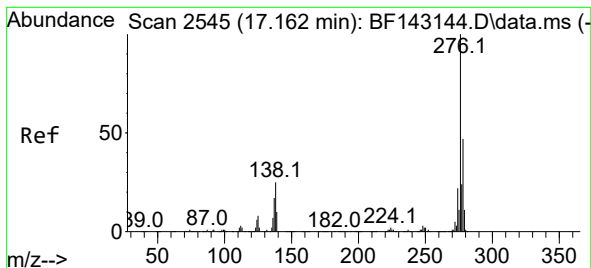
Tgt Ion:149 Resp: 525371
Ion Ratio Lower Upper
149 100
167 1.7 1.1 1.7#
43 11.8 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:264 Resp: 211277
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 32.463 ng

RT: 17.180 min Scan# 2110

Delta R.T. 0.018 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

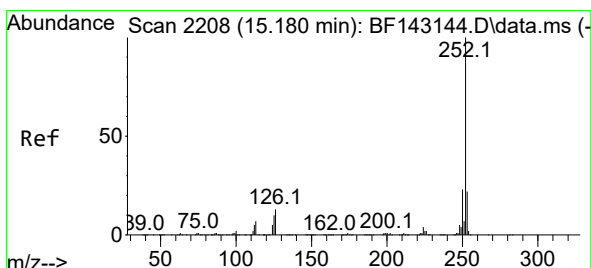
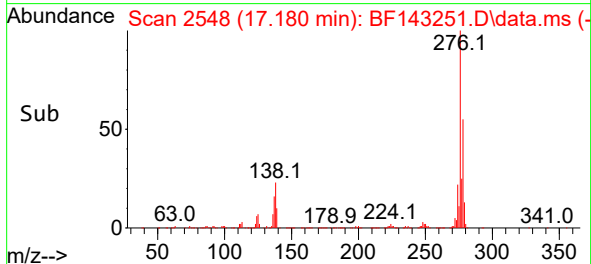
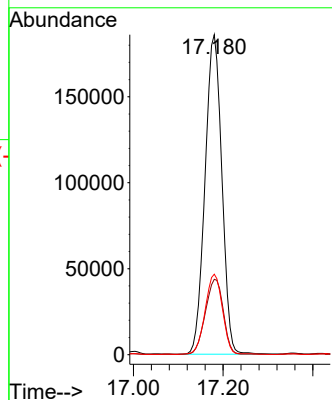
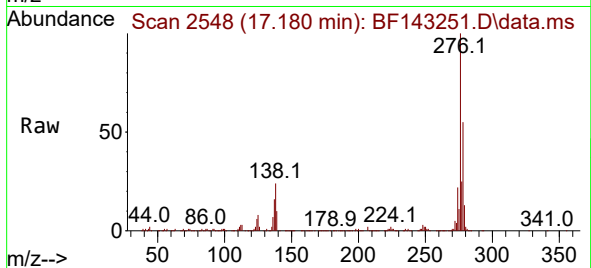
Tgt Ion:276 Resp: 483625

Ion Ratio Lower Upper

276 100

138 24.9 21.8 32.6

277 25.8 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 51.300 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

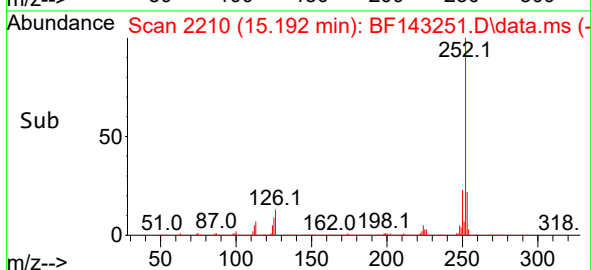
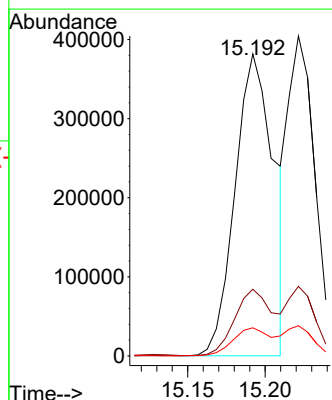
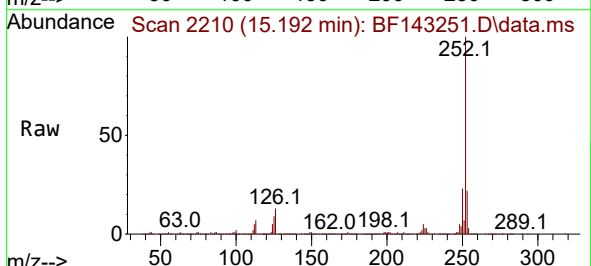
Tgt Ion:252 Resp: 662135

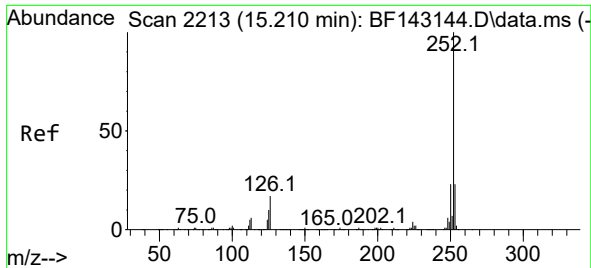
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 9.3 8.0 12.0

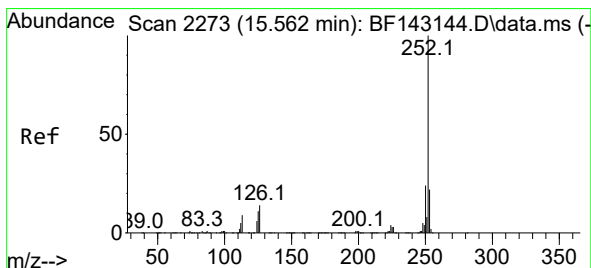
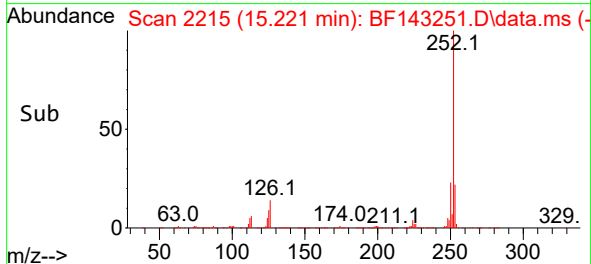
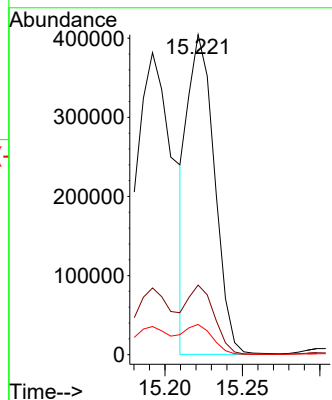
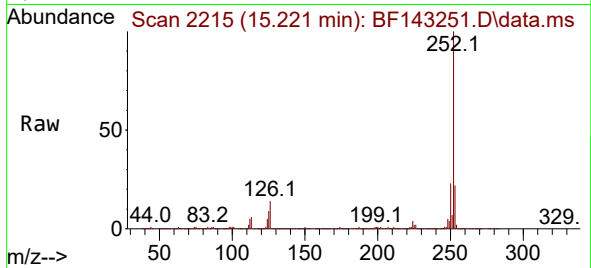




#89
Benzo(k)fluoranthene
Concen: 42.252 ng
RT: 15.221 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

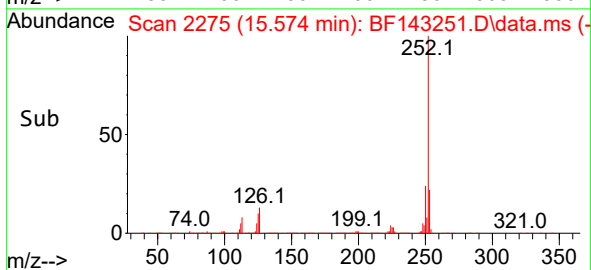
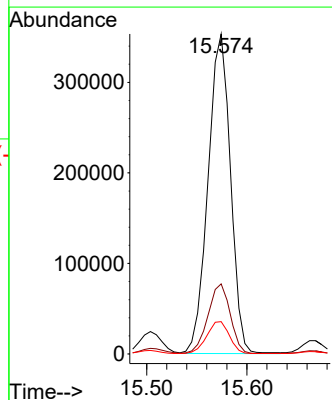
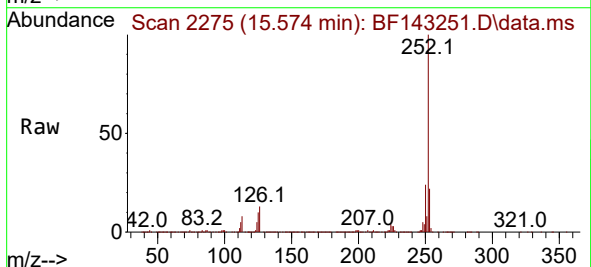
Instrument :
BNA_F
ClientSampleId :
VNJ-251MS

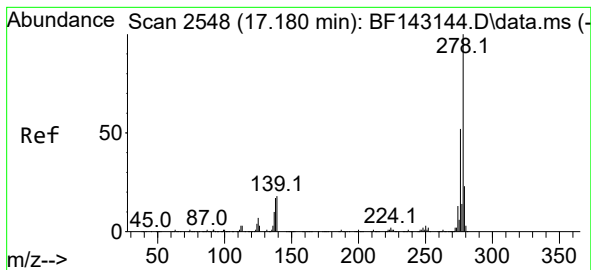
Tgt Ion:252 Resp: 486642
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 9.4 8.1 12.1



#90
Benzo(a)pyrene
Concen: 46.250 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BF143251.D
Acq: 25 Jul 2025 15:18

Tgt Ion:252 Resp: 550005
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 10.1 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 31.977 ng

RT: 17.198 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Instrument :

BNA_F

ClientSampleId :

VNJ-251MS

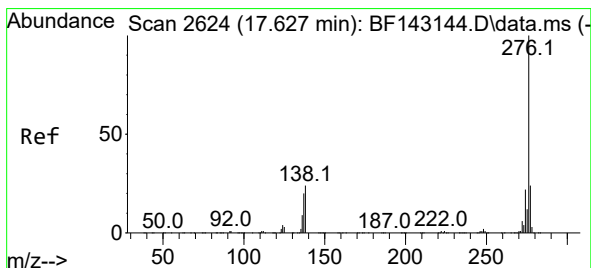
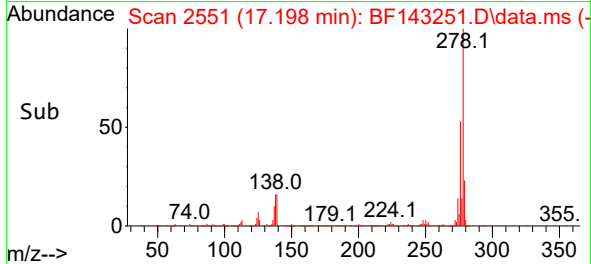
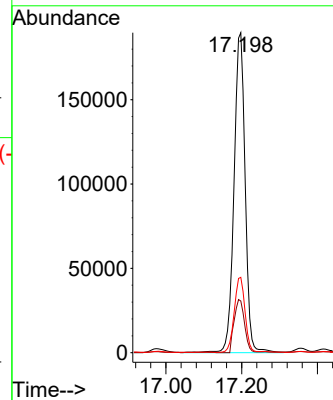
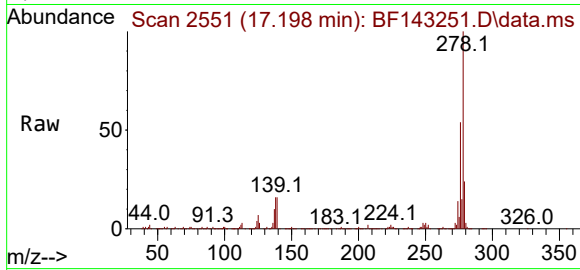
Tgt Ion:278 Resp: 387748

Ion Ratio Lower Upper

278 100

139 16.2 14.1 21.1

279 23.6 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 31.093 ng

RT: 17.645 min Scan# 2627

Delta R.T. 0.018 min

Lab File: BF143251.D

Acq: 25 Jul 2025 15:18

Tgt Ion:276 Resp: 364719

Ion Ratio Lower Upper

276 100

277 23.2 19.1 28.7

138 21.3 18.9 28.3

