

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
 Data File : BF143257.D
 Acq On : 25 Jul 2025 18:16
 Operator : RC/JU
 Sample : Q2687-01MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-251MSD

Quant Time: Jul 25 18:37:20 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	85134	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	307702	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	145693	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	255149	20.000	ng	0.00
76) Chrysene-d12	14.133	240	202962	20.000	ng	0.01
86) Perylene-d12	15.633	264	157062	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.599	112	460881	85.668	ng	0.01
7) Phenol-d6	6.587	99	577248	85.246	ng	0.00
23) Nitrobenzene-d5	7.516	82	365858	59.268	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	151652	100.759	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	637938	59.883	ng	0.00
79) Terphenyl-d14	13.069	244	677183	49.651	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.863	88	91974	36.130	ng	97
3) Pyridine	3.622	79	237619	35.963	ng	99
4) n-Nitrosodimethylamine	3.563	42	136284	39.950	ng	96
6) Aniline	6.622	93	146973	15.573	ng	98
8) 2-Chlorophenol	6.751	128	219395	38.906	ng	96
9) Benzaldehyde	6.510	77	143818	28.324	ng	99
10) Phenol	6.604	94	281425	38.150	ng	97
11) bis(2-Chloroethyl)ether	6.693	93	217161	38.448	ng	98
12) 1,3-Dichlorobenzene	6.904	146	238832	38.987	ng	100
13) 1,4-Dichlorobenzene	6.981	146	245011	39.715	ng	100
14) 1,2-Dichlorobenzene	7.134	146	230339	39.256	ng	99
15) Benzyl Alcohol	7.098	79	198833	38.456	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	375648	35.852	ng	99
17) 2-Methylphenol	7.210	107	177108	37.353	ng	99
18) Hexachloroethane	7.481	117	84774	39.694	ng	96
19) n-Nitroso-di-n-propyla...	7.363	70	158968	36.592	ng	98
20) 3+4-Methylphenols	7.363	107	224454	39.017	ng	# 69
22) Acetophenone	7.363	105	298474	40.972	ng	95
24) Nitrobenzene	7.540	77	235698	40.955	ng	98
25) Isophorone	7.775	82	421584	38.687	ng	99
26) 2-Nitrophenol	7.857	139	112033	44.854	ng	99
27) 2,4-Dimethylphenol	7.892	122	198219	38.933	ng	100
28) bis(2-Chloroethoxy)met...	7.981	93	252753	38.685	ng	99
29) 2,4-Dichlorophenol	8.098	162	171151	39.862	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	187429	40.406	ng	99
31) Naphthalene	8.263	128	605187	39.936	ng	100
32) Benzoic acid	7.987	122	117754	41.808	ng	98
33) 4-Chloroaniline	8.304	127	61782	9.985	ng	99
34) Hexachlorobutadiene	8.387	225	115282	40.684	ng	99
35) Caprolactam	8.663	113	57224	44.105	ng	98
36) 4-Chloro-3-methylphenol	8.787	107	182531	39.113	ng	100
37) 2-Methylnaphthalene	8.957	142	359646	39.001	ng	100
38) 1-Methylnaphthalene	9.057	142	371528	39.126	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	180139	42.826	ng	99
41) Hexachlorocyclopentadiene	9.116	237	136307	49.803	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	118904	40.845	ng	99

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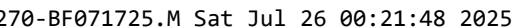
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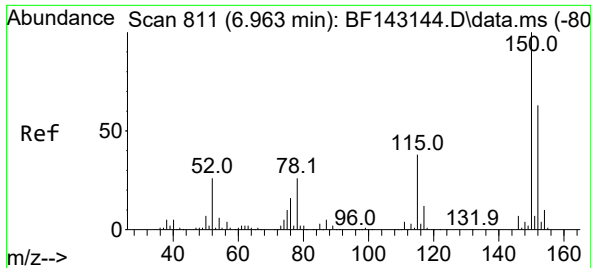
Quant Time: Jul 25 18:37:20 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	124633	42.800	ng	100
46) 1,1'-Biphenyl	9.416	154	484823	42.652	ng	99
47) 2-Chloronaphthalene	9.445	162	347463	41.312	ng	99
48) 2-Nitroaniline	9.534	65	119904	45.460	ng	100
49) Acenaphthylene	9.863	152	587588	41.688	ng	100
50) Dimethylphthalate	9.716	163	411538	43.335	ng	99
51) 2,6-Dinitrotoluene	9.775	165	86756	44.907	ng	99
52) Acenaphthene	10.034	154	365644	43.891	ng	99
53) 3-Nitroaniline	9.939	138	52547	23.254	ng	98
54) 2,4-Dinitrophenol	10.045	184	55410	64.676	ng	# 44
55) Dibenzofuran	10.204	168	510244	41.253	ng	100
56) 4-Nitrophenol	10.104	139	155133	91.936	ng	98
57) 2,4-Dinitrotoluene	10.181	165	119925	49.479	ng	94
58) Fluorene	10.551	166	395006	42.552	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	102232	42.381	ng	100
60) Diethylphthalate	10.416	149	408510	43.521	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	191709	41.475	ng	98
62) 4-Nitroaniline	10.551	138	77544	40.040	ng	98
63) Azobenzene	10.698	77	439859	44.962	ng	94
65) 4,6-Dinitro-2-methylph...	10.586	198	39042	31.310	ng	98
66) n-Nitrosodiphenylamine	10.651	169	343901	38.277	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	115438	37.964	ng	98
68) Hexachlorobenzene	11.104	284	121014	38.077	ng	99
69) Atrazine	11.181	200	112623	45.468	ng	99
70) Pentachlorophenol	11.292	266	158939	85.039	ng	98
71) Phenanthrene	11.516	178	659247	48.662	ng	99
72) Anthracene	11.563	178	593542	42.957	ng	99
73) Carbazole	11.716	167	551674	45.725	ng	100
74) Di-n-butylphthalate	12.045	149	631044	46.225	ng	100
75) Fluoranthene	12.704	202	804416	64.690	ng	99
77) Benzidine	12.816	184	256714	32.830	ng	98
78) Pyrene	12.933	202	794363	45.859	ng	100
80) Butylbenzylphthalate	13.545	149	275472	51.935	ng	97
81) Benzo(a)anthracene	14.121	228	640477	47.134	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	141269	31.193	ng	99
83) Chrysene	14.157	228	573372	46.932	ng	99
84) Bis(2-ethylhexyl)phtha...	14.104	149	373843	46.565	ng	99
85) Di-n-octyl phthalate	14.721	149	600773	41.283	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.180	276	384648	34.731	ng	97
88) Benzo(b)fluoranthene	15.192	252	519307	54.122	ng	99
89) Benzo(k)fluoranthene	15.221	252	388079	45.325	ng	99
90) Benzo(a)pyrene	15.574	252	407620	46.109	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	304854	33.819	ng	97
92) Benzo(g,h,i)perylene	17.645	276	299060	34.297	ng	97

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

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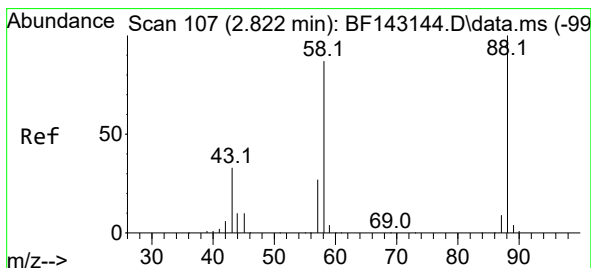
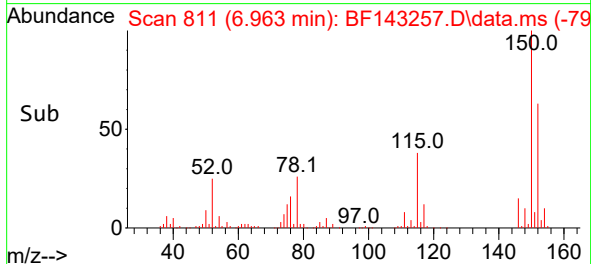
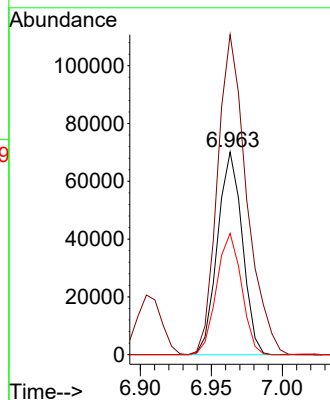
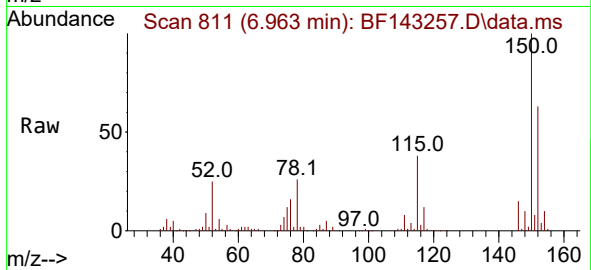




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143257.D
 Acq: 25 Jul 2025 18:16

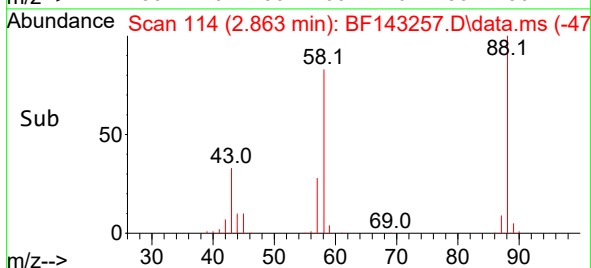
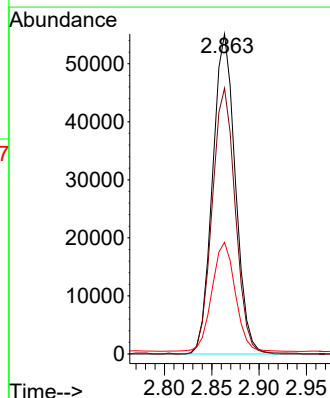
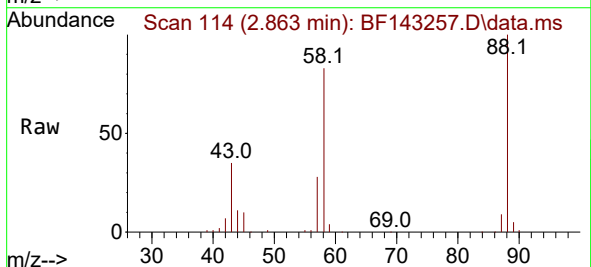
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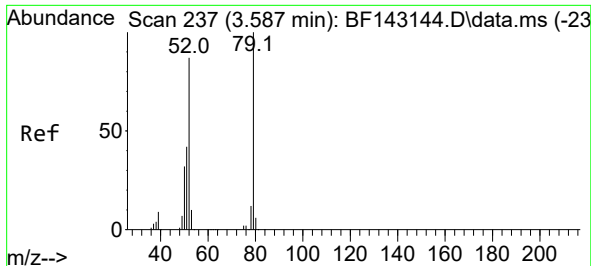
Tgt Ion:152 Resp: 85134
 Ion Ratio Lower Upper
 152 100
 150 157.9 128.2 192.4
 115 59.9 47.9 71.9



#2
 1,4-Dioxane
 Concen: 36.130 ng
 RT: 2.863 min Scan# 114
 Delta R.T. 0.041 min
 Lab File: BF143257.D
 Acq: 25 Jul 2025 18:16

Tgt Ion: 88 Resp: 91974
 Ion Ratio Lower Upper
 88 100
 58 84.7 70.2 105.2
 43 35.1 27.1 40.7





#3

Pyridine

Concen: 35.963 ng

RT: 3.622 min Scan# 24

Delta R.T. 0.035 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

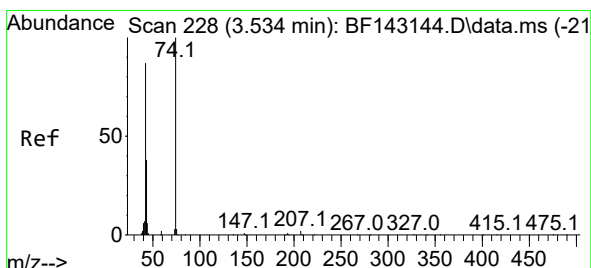
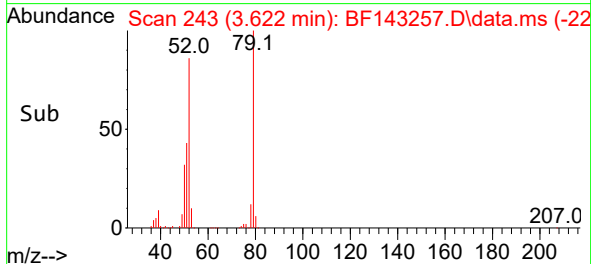
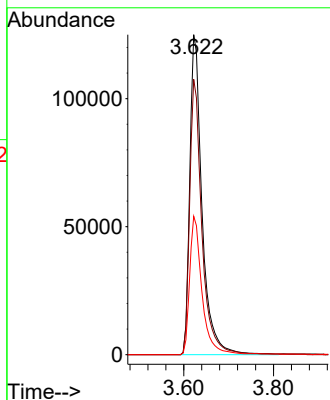
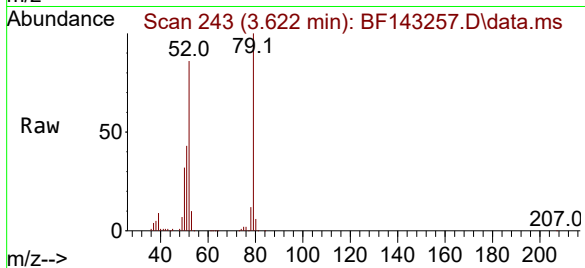
Tgt Ion: 79 Resp: 237619

Ion Ratio Lower Upper

79 100

52 86.0 69.4 104.2

51 43.3 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 39.950 ng

RT: 3.563 min Scan# 233

Delta R.T. 0.030 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

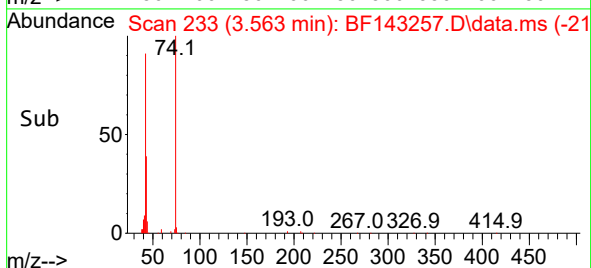
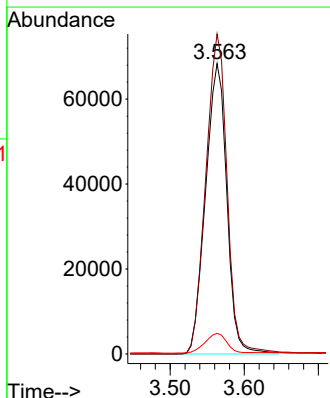
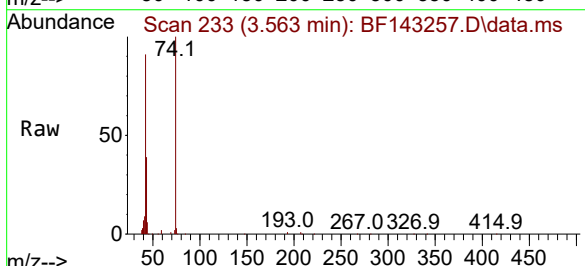
Tgt Ion: 42 Resp: 136284

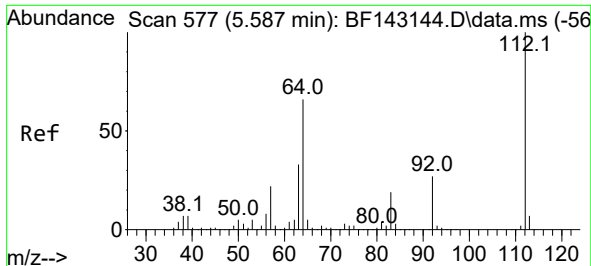
Ion Ratio Lower Upper

42 100

74 110.2 91.7 137.5

44 7.1 5.6 8.4

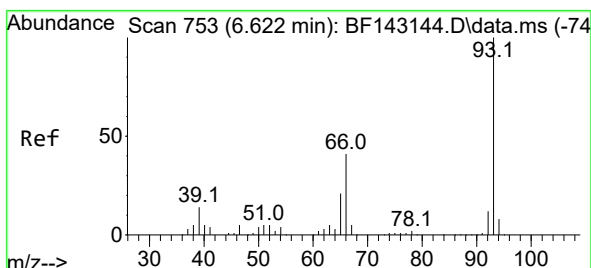
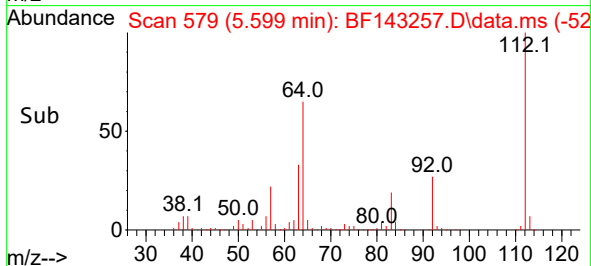
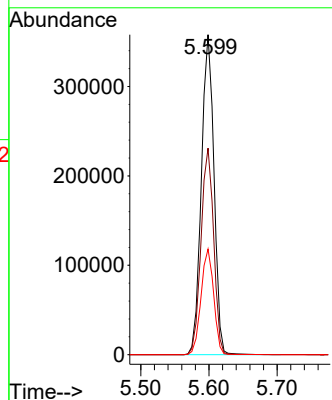
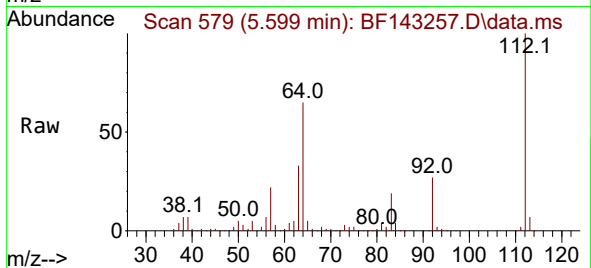




#5
2-Fluorophenol
Concen: 85.668 ng
RT: 5.599 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

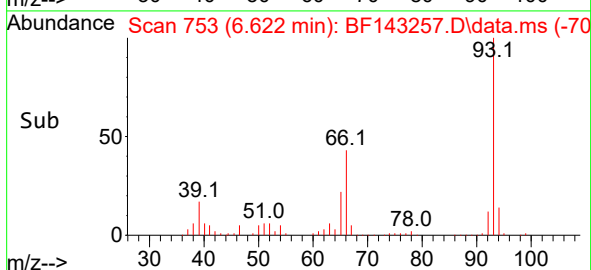
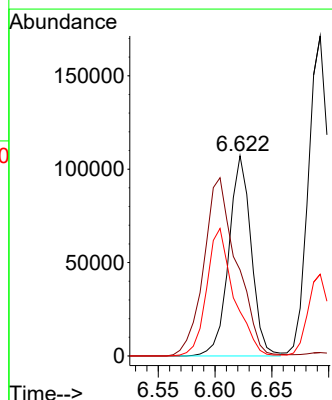
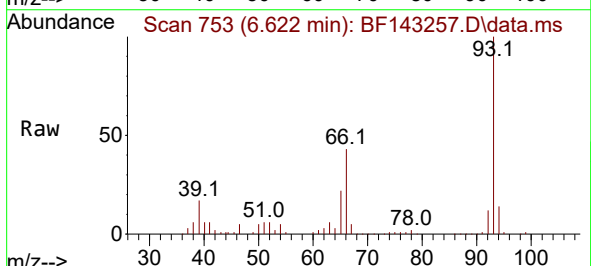
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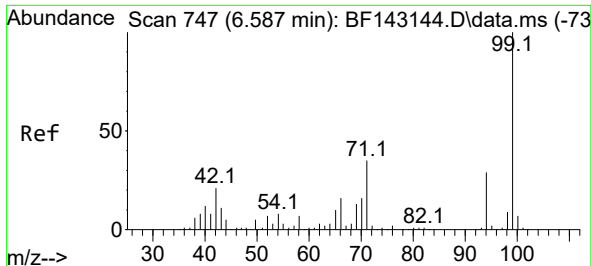
Tgt Ion:112 Resp: 460881
Ion Ratio Lower Upper
112 100
64 64.6 53.1 79.7
63 33.0 26.6 40.0



#6
Aniline
Concen: 15.573 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion: 93 Resp: 146973
Ion Ratio Lower Upper
93 100
66 43.0 33.2 49.8
65 22.1 16.9 25.3

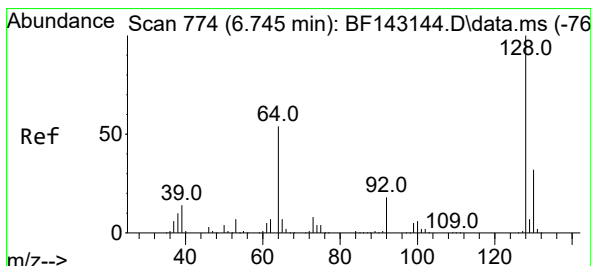
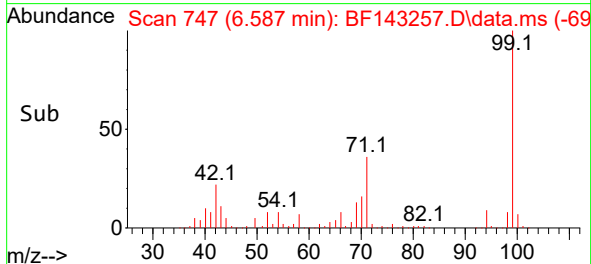
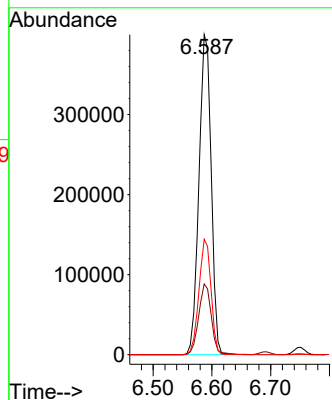
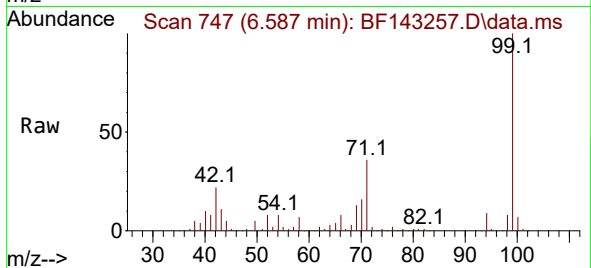




#7
Phenol-d6
Concen: 85.246 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

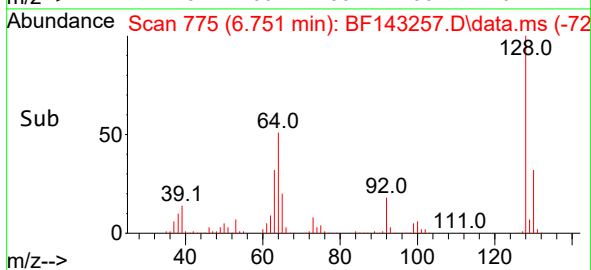
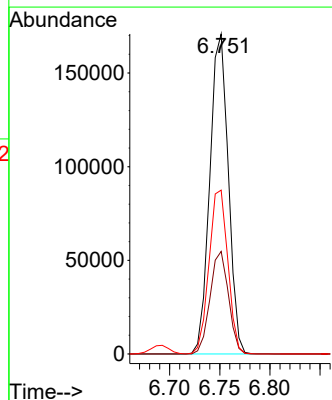
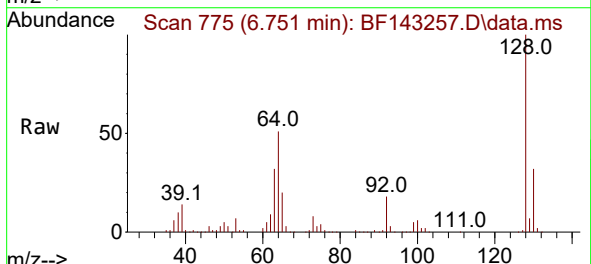
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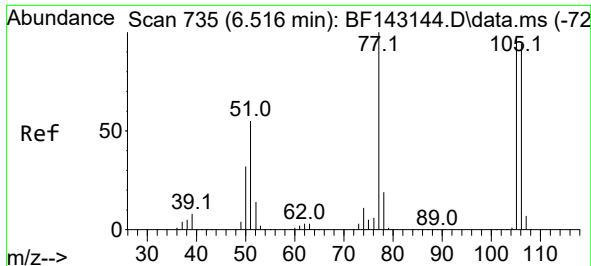
Tgt Ion: 99 Resp: 577248
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 36.0 27.7 41.5



#8
2-Chlorophenol
Concen: 38.906 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion: 128 Resp: 219395
Ion Ratio Lower Upper
128 100
130 32.1 12.3 52.3
64 51.2 35.9 75.9

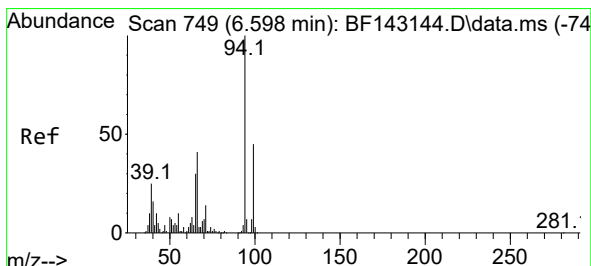
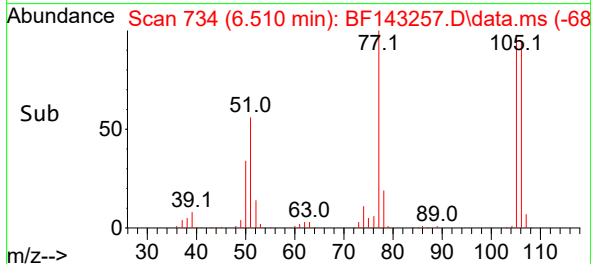
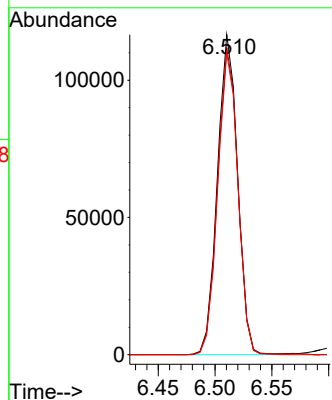
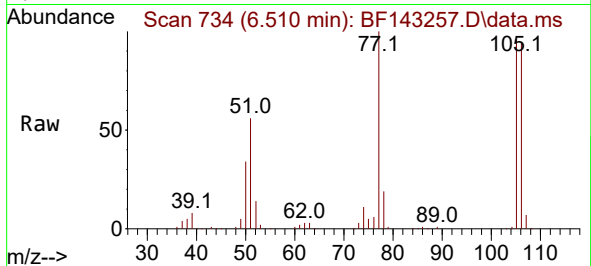




#9
Benzaldehyde
Concen: 28.324 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

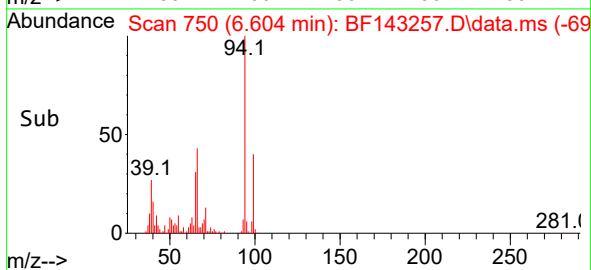
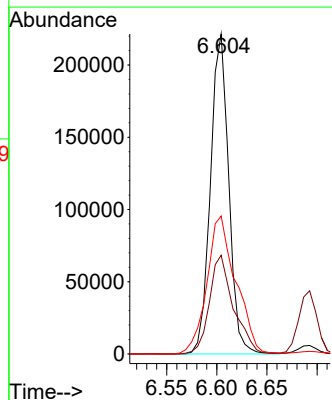
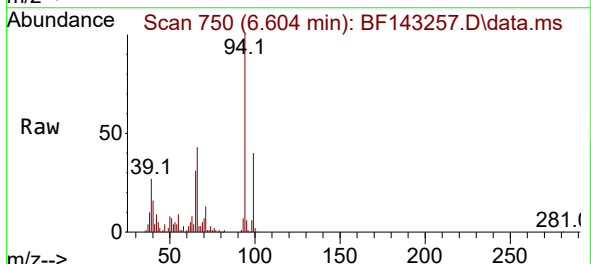
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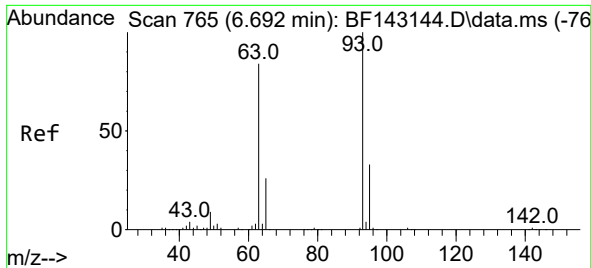
Tgt Ion: 77 Resp: 143818
Ion Ratio Lower Upper
77 100
105 95.9 76.8 116.8
106 94.2 74.4 114.4



#10
Phenol
Concen: 38.150 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion: 94 Resp: 281425
Ion Ratio Lower Upper
94 100
65 30.8 10.0 50.0
66 43.1 20.8 60.8

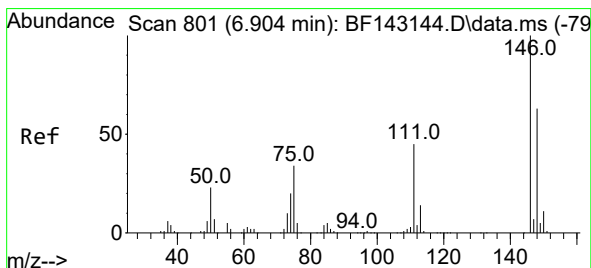
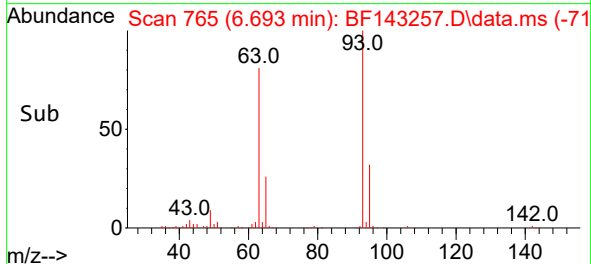
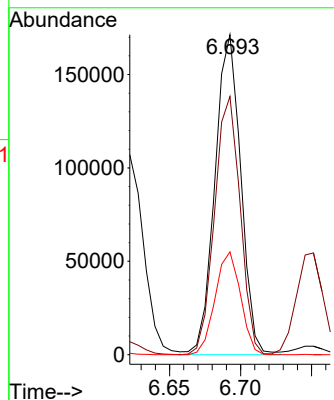
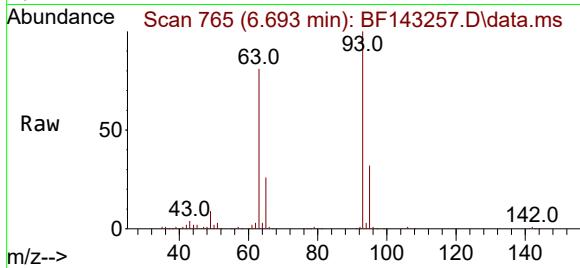




#11
bis(2-Chloroethyl)ether
Concen: 38.448 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

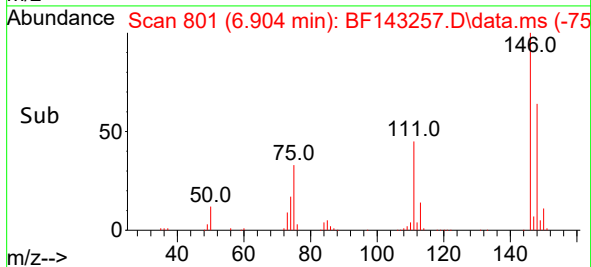
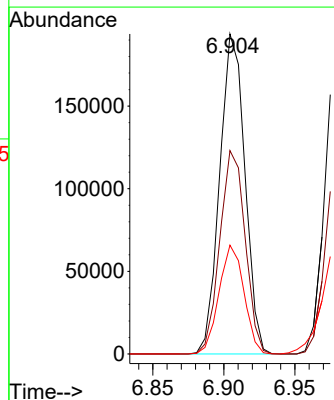
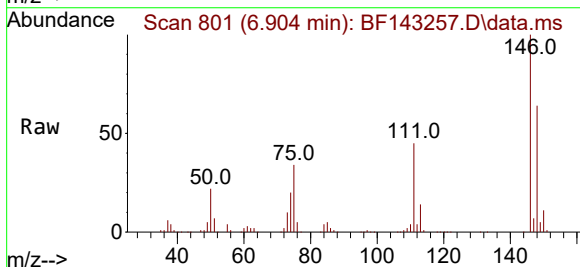
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

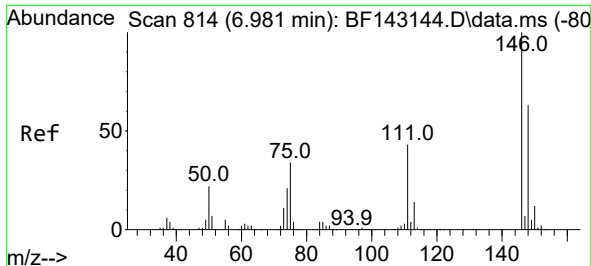
Tgt Ion: 93 Resp: 217161
Ion Ratio Lower Upper
93 100
63 80.7 63.4 103.4
95 32.1 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 38.987 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion: 146 Resp: 238832
Ion Ratio Lower Upper
146 100
148 63.5 50.6 76.0
75 34.0 27.4 41.2

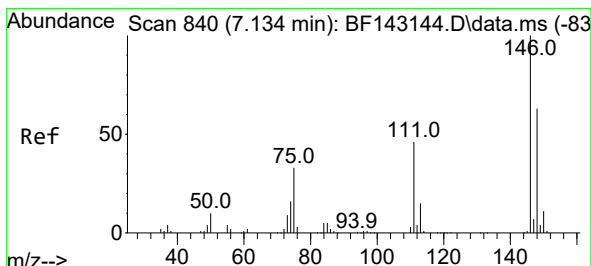
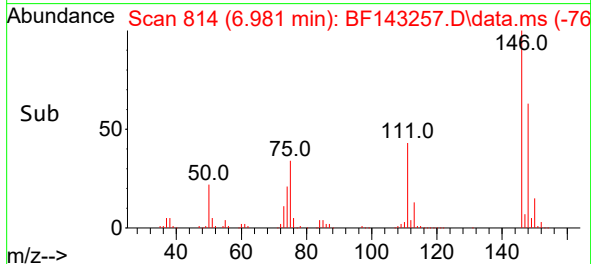
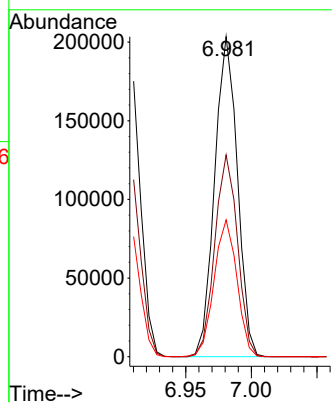
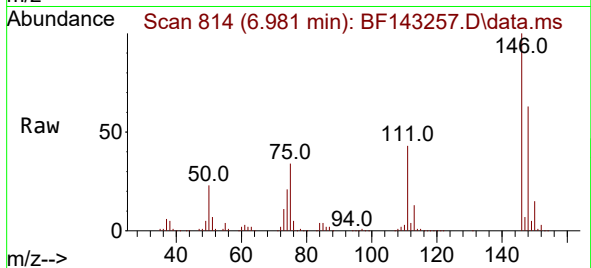




#13
1,4-Dichlorobenzene
Concen: 39.715 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

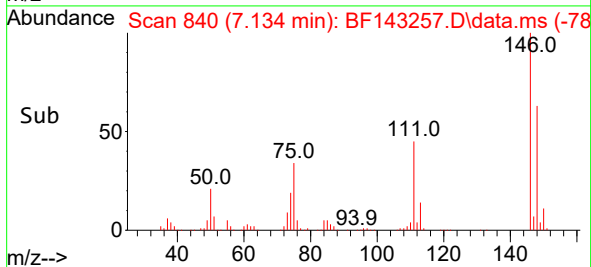
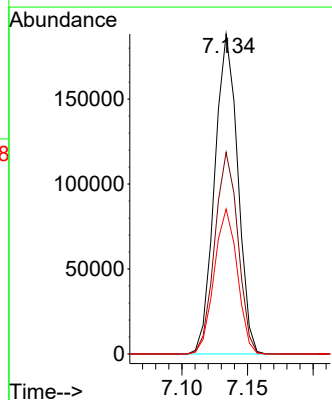
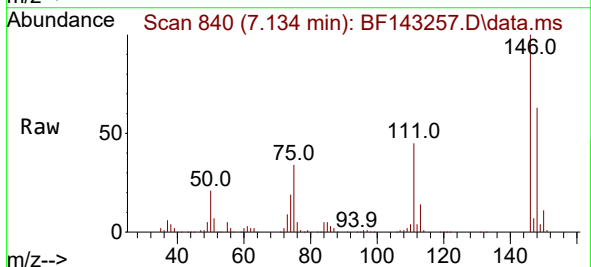
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

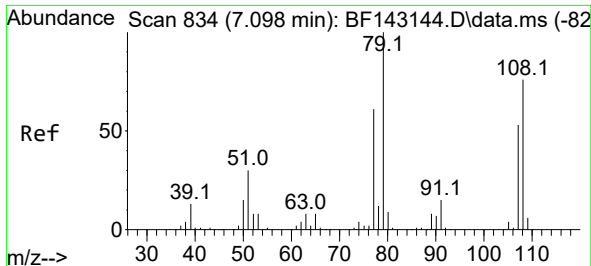
Tgt Ion:146 Resp: 245011
Ion Ratio Lower Upper
146 100
148 63.1 50.3 75.5
111 42.8 34.4 51.6



#14
1,2-Dichlorobenzene
Concen: 39.256 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:146 Resp: 230339
Ion Ratio Lower Upper
146 100
148 63.0 50.7 76.1
111 45.3 36.6 54.8

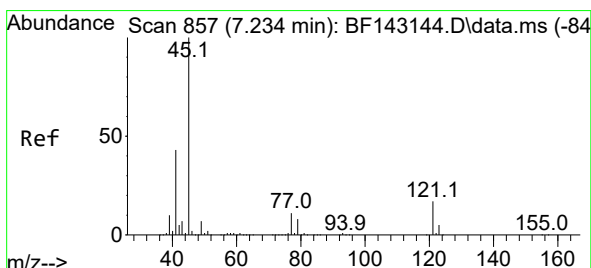
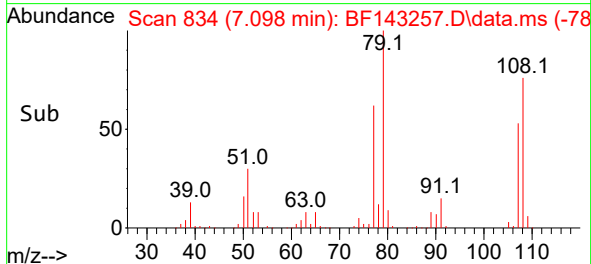
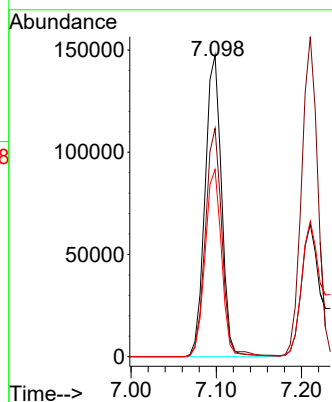
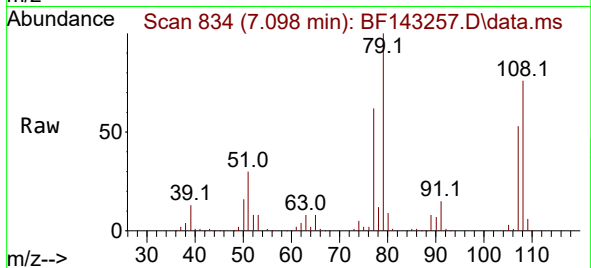




#15
Benzyl Alcohol
Concen: 38.456 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

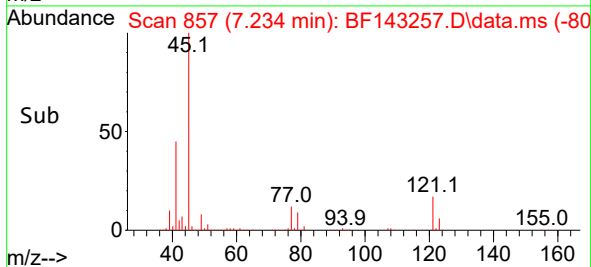
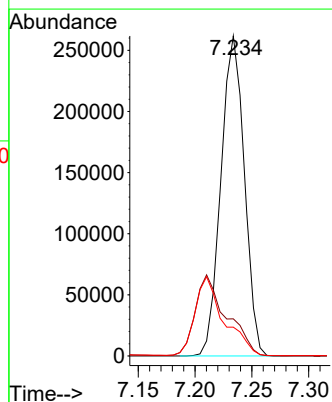
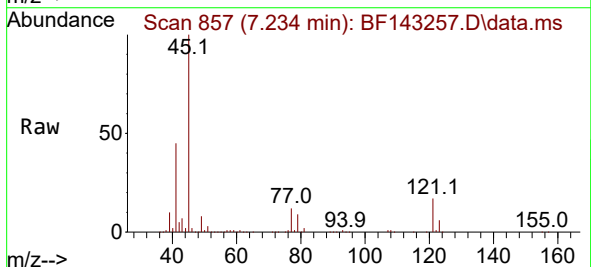
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

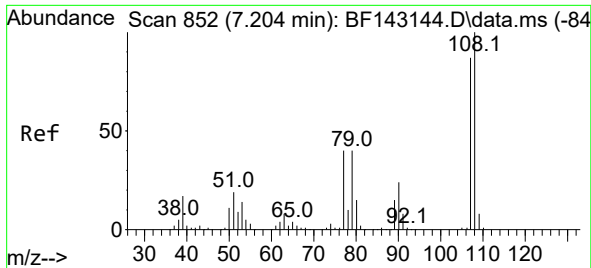
Tgt Ion: 79 Resp: 198833
Ion Ratio Lower Upper
79 100
108 75.7 61.1 91.7
77 62.1 48.9 73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.852 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion: 45 Resp: 375648
Ion Ratio Lower Upper
45 100
77 11.6 0.0 31.2
79 9.0 0.0 28.5

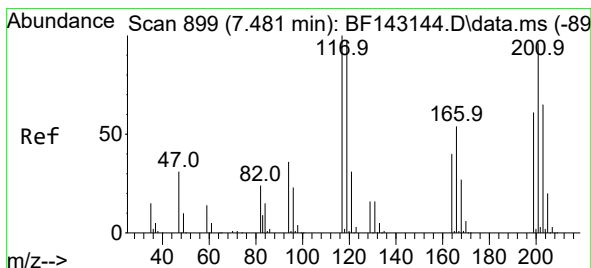
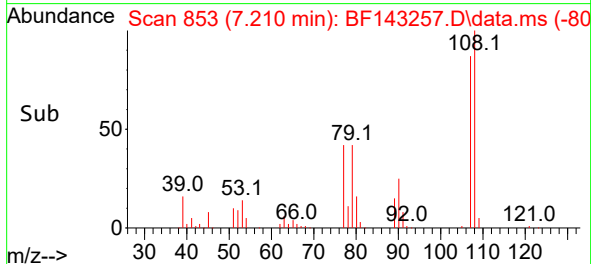
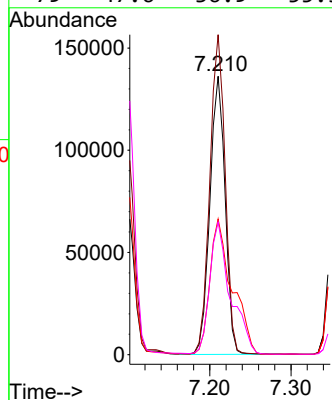
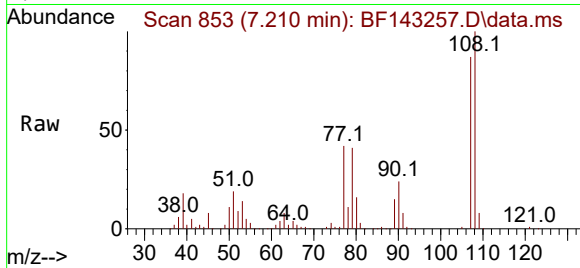




#17
2-Methylphenol
Concen: 37.353 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

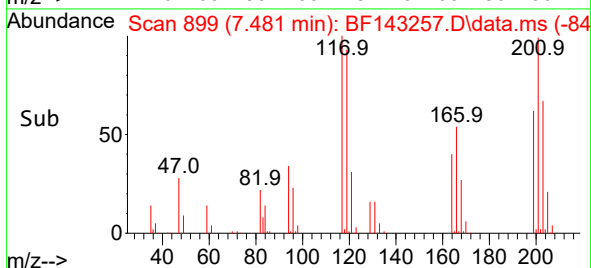
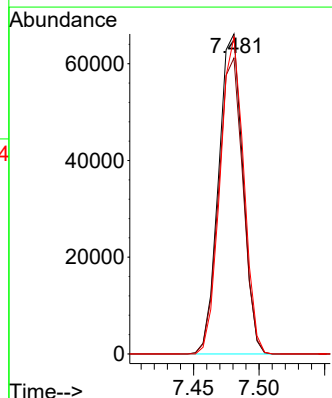
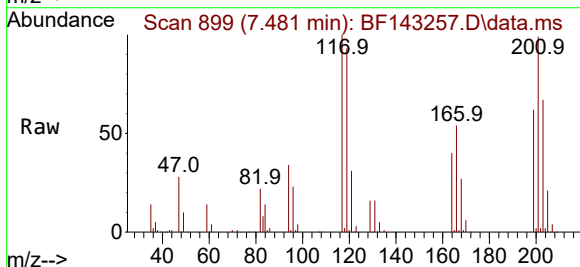
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

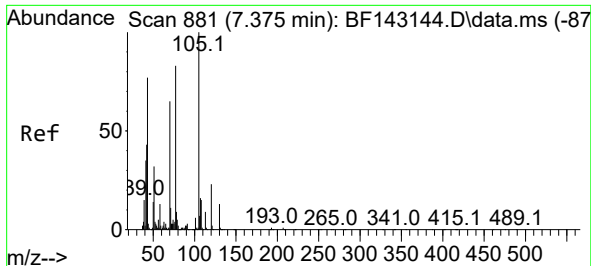
Tgt Ion:	107	Resp:	177108
Ion	Ratio	Lower	Upper
107	100		
108	114.9	91.8	137.6
77	48.7	37.0	55.6
79	47.6	36.9	55.3



#18
Hexachloroethane
Concen: 39.694 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:	117	Resp:	84774
Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.8	116.8
201	99.0	77.0	115.4



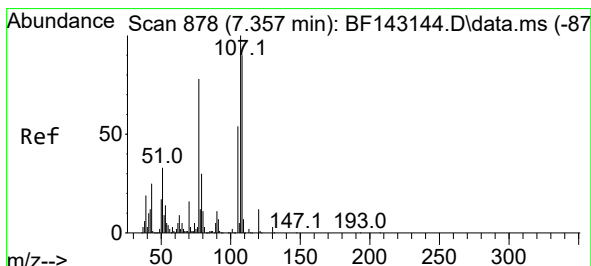
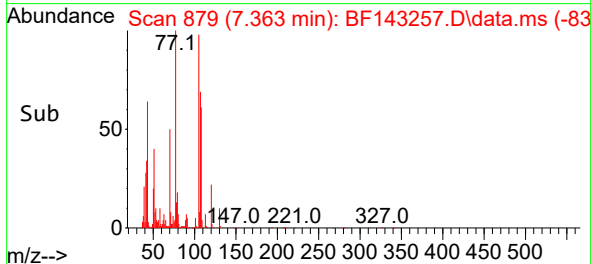
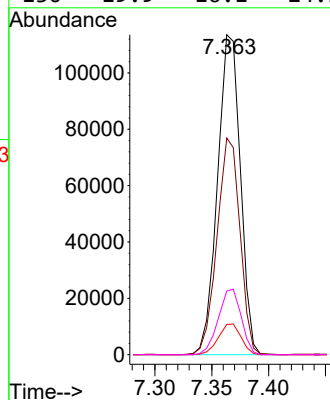
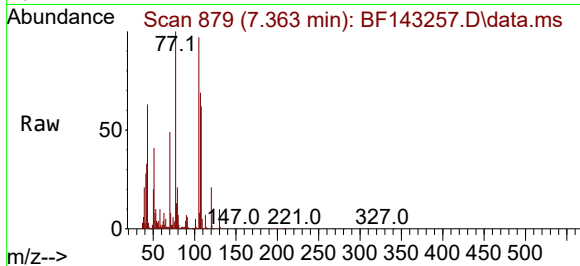


#19
n-Nitroso-di-n-propylamine
Concen: 36.592 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

Tgt Ion: 70 Resp: 158968

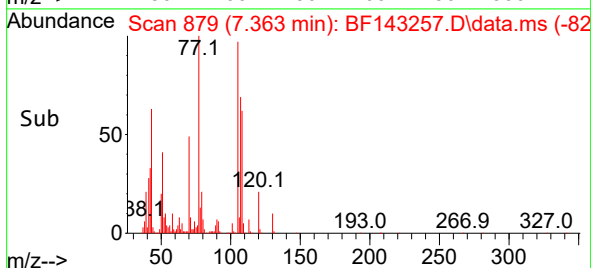
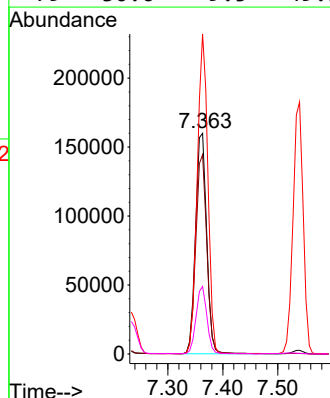
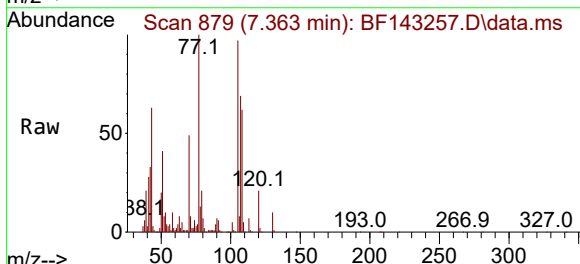
Ion	Ratio	Lower	Upper
70	100		
42	67.7	52.5	78.7
101	9.5	7.6	11.4
130	19.9	16.1	24.1

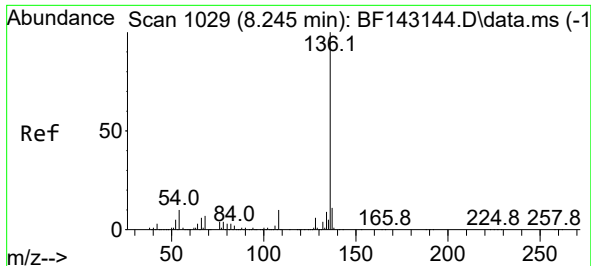


#20
3+4-Methylphenols
Concen: 39.017 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion: 107 Resp: 224454

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.0	110.0
77	145.0	57.8	97.8#
79	30.6	9.5	49.5



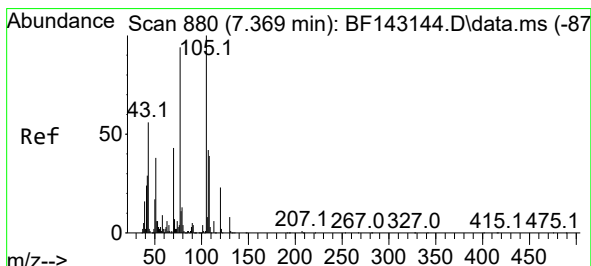
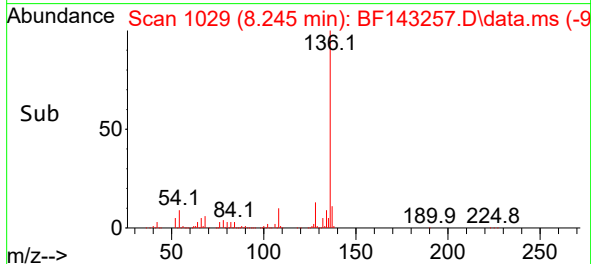
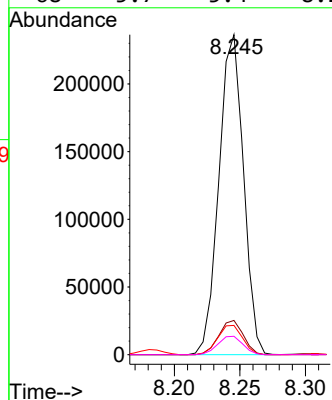
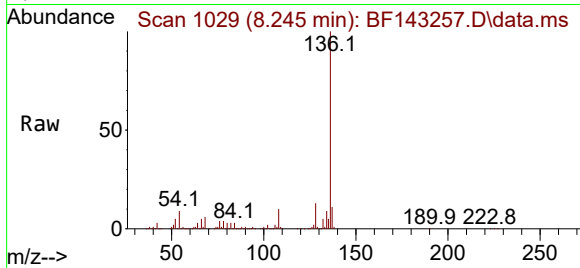


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

Tgt Ion:136 Resp: 307702

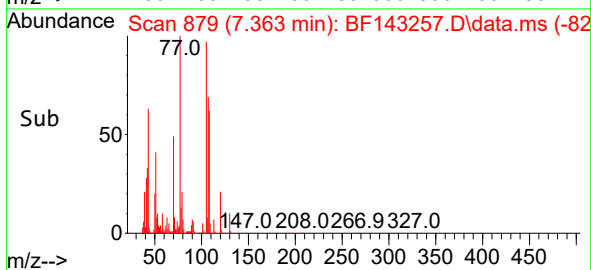
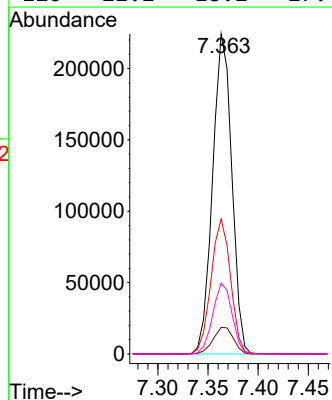
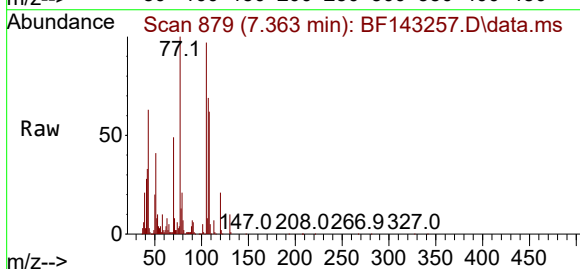
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.1	8.2	12.2
68	5.7	5.4	8.2

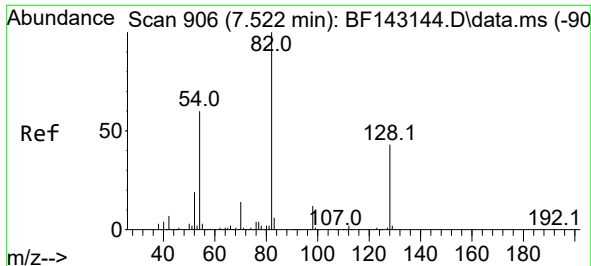


#22
Acetophenone
Concen: 40.972 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:105 Resp: 298474

Ion	Ratio	Lower	Upper
105	100		
71	8.3	5.8	8.6
51	42.2	30.2	45.2
120	22.2	18.2	27.4





#23

Nitrobenzene-d5

Concen: 59.268 ng

RT: 7.516 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

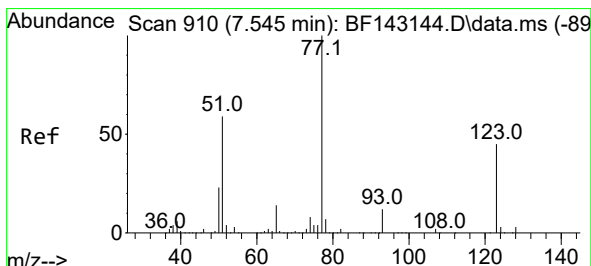
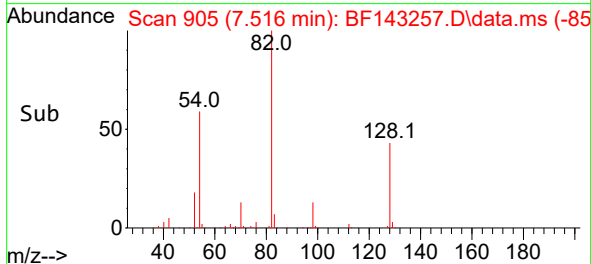
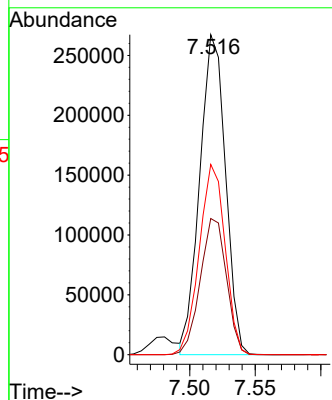
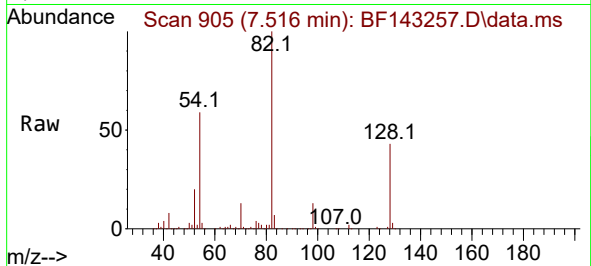
Tgt Ion: 82 Resp: 365858

Ion Ratio Lower Upper

82 100

128 42.5 33.6 50.4

54 59.5 47.1 70.7



#24

Nitrobenzene

Concen: 40.955 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

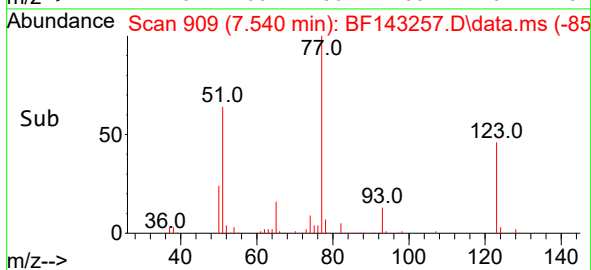
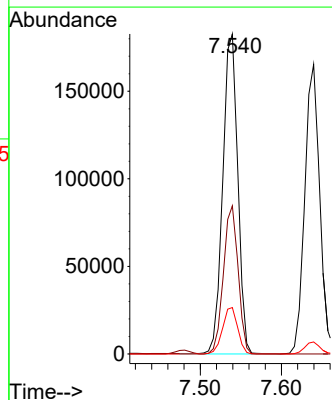
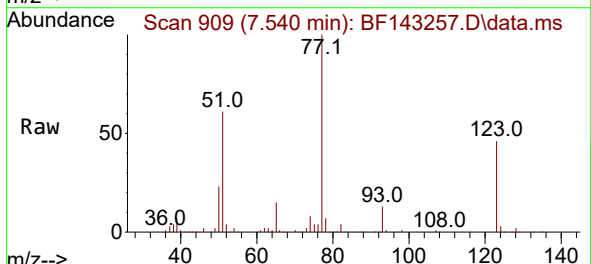
Tgt Ion: 77 Resp: 235698

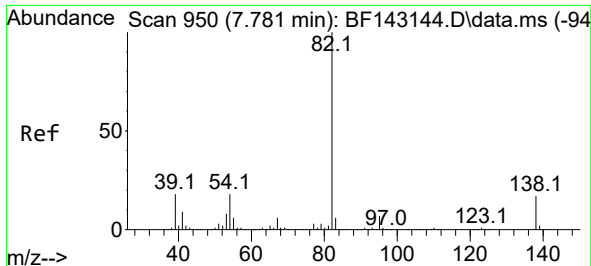
Ion Ratio Lower Upper

77 100

123 46.3 36.1 54.1

65 14.5 11.4 17.2

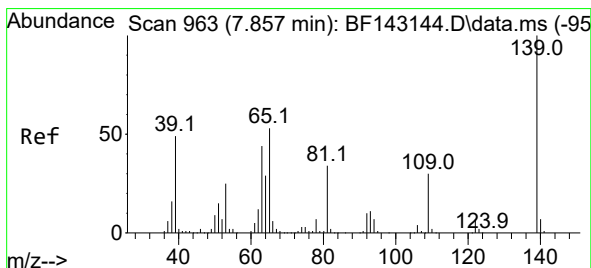
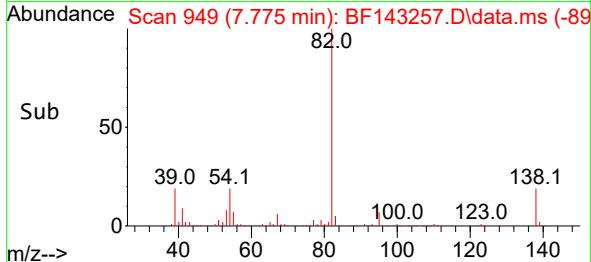
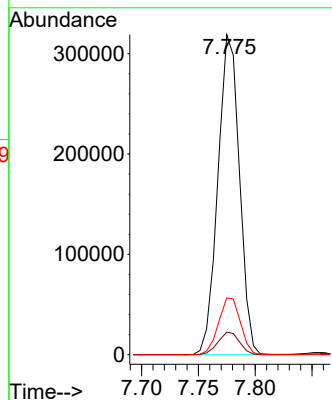
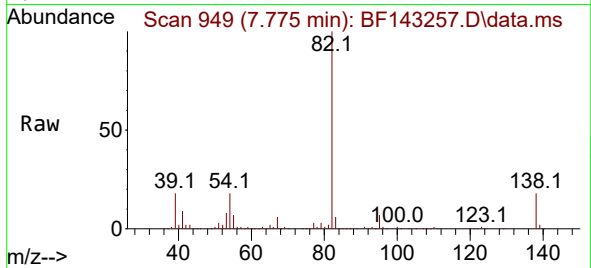




#25
Isophorone
Concen: 38.687 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

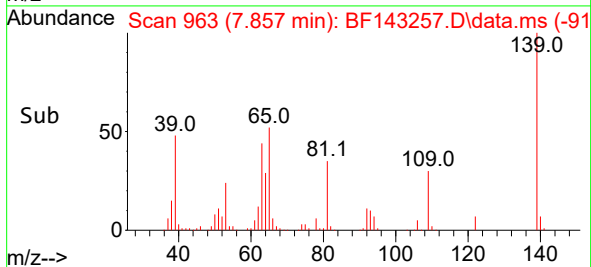
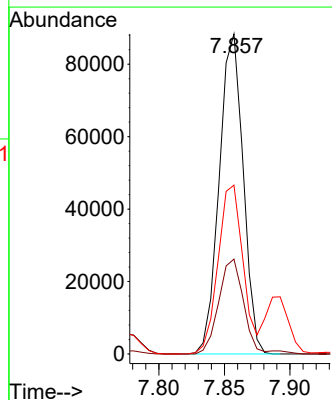
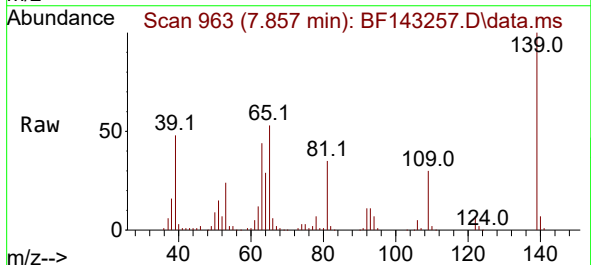
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

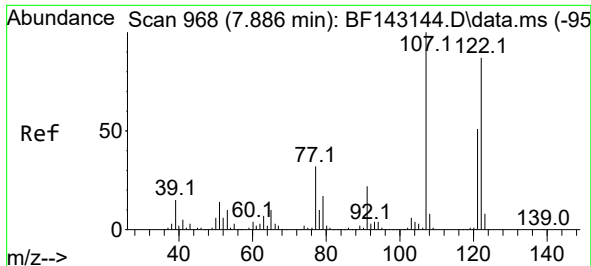
Tgt Ion: 82 Resp: 421584
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.8 13.8 20.8



#26
2-Nitrophenol
Concen: 44.854 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:139 Resp: 112033
Ion Ratio Lower Upper
139 100
109 29.7 23.6 35.4
65 52.8 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 38.933 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

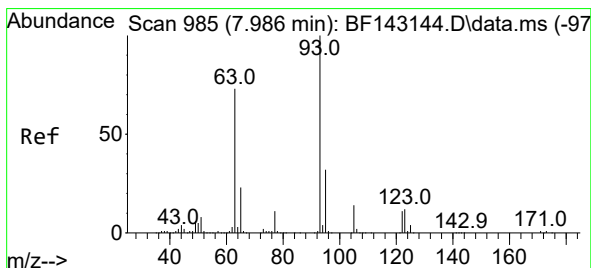
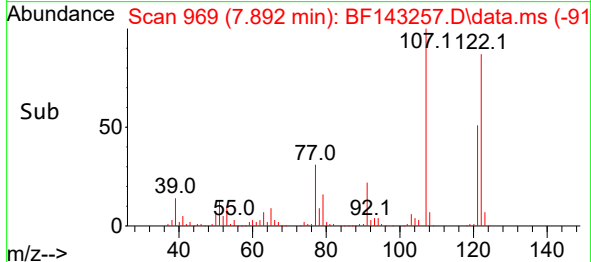
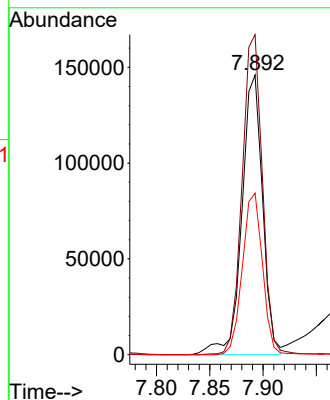
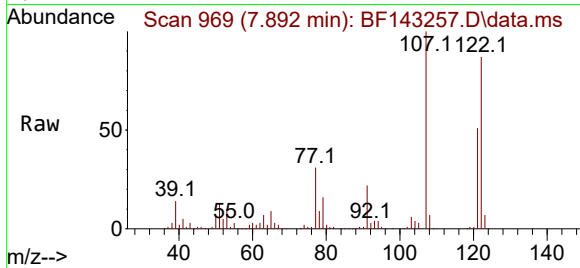
Tgt Ion:122 Resp: 198219

Ion Ratio Lower Upper

122 100

107 114.4 91.8 137.6

121 57.8 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 38.685 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

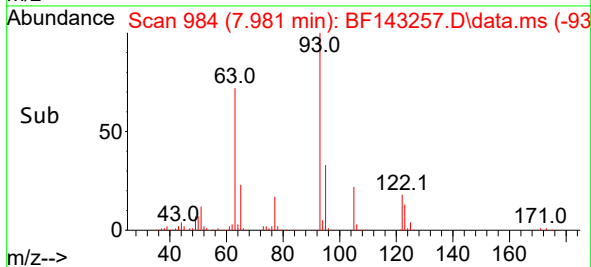
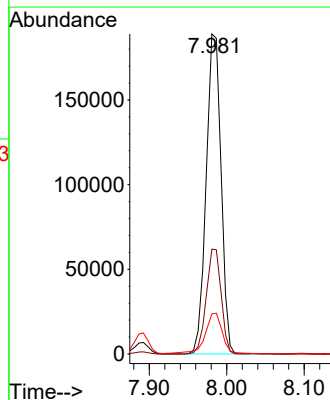
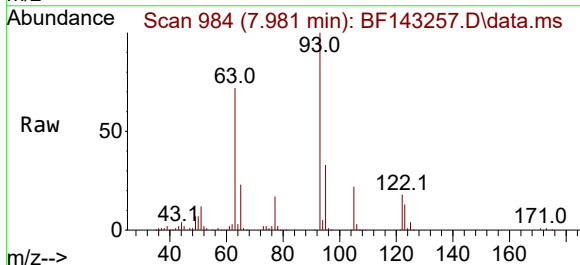
Tgt Ion: 93 Resp: 252753

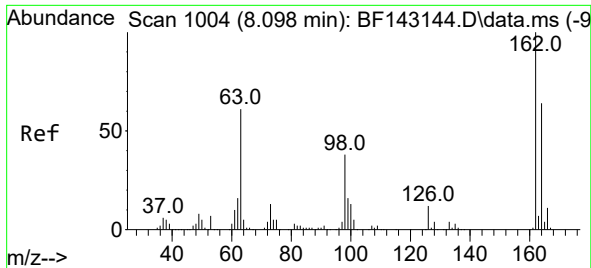
Ion Ratio Lower Upper

93 100

95 32.8 25.8 38.6

123 12.5 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 39.862 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

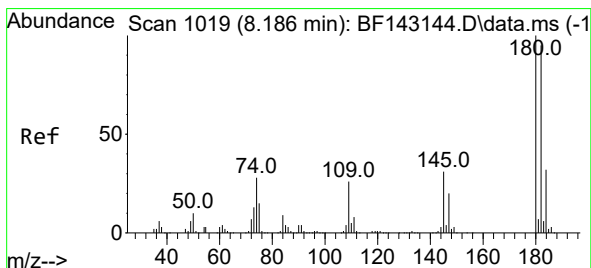
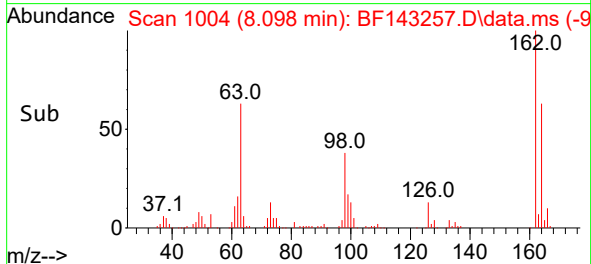
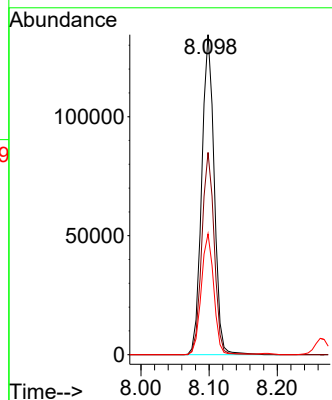
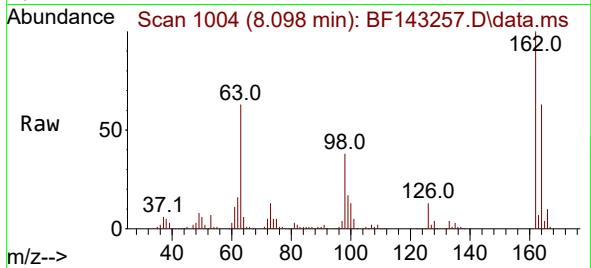
Tgt Ion:162 Resp: 171151

Ion Ratio Lower Upper

162 100

164 63.2 44.2 84.2

98 37.7 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 40.406 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

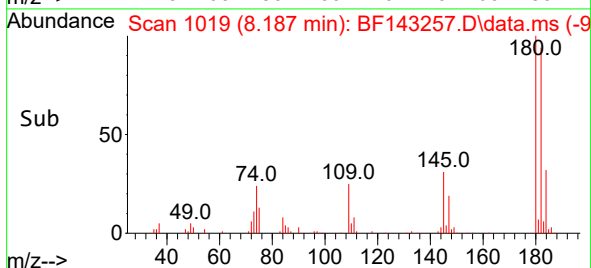
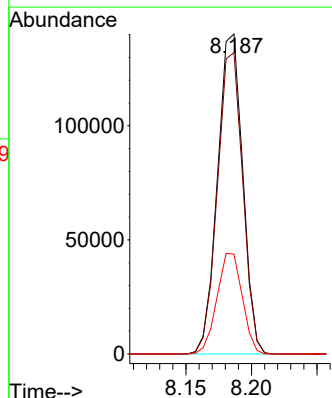
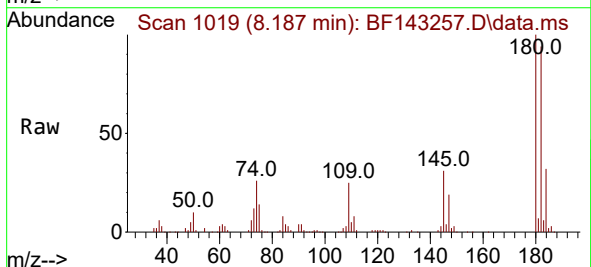
Tgt Ion:180 Resp: 187429

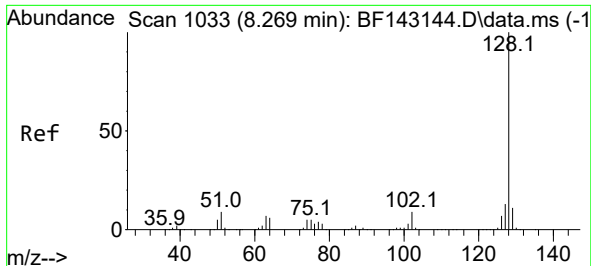
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

145 31.2 25.0 37.6

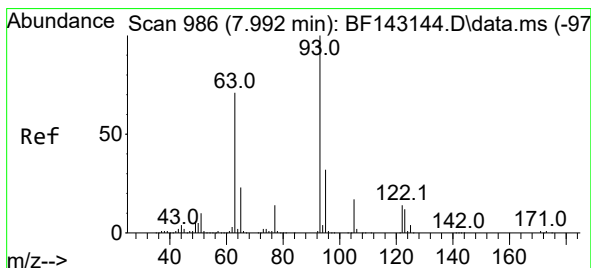
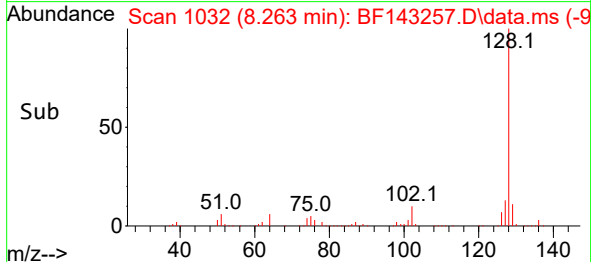
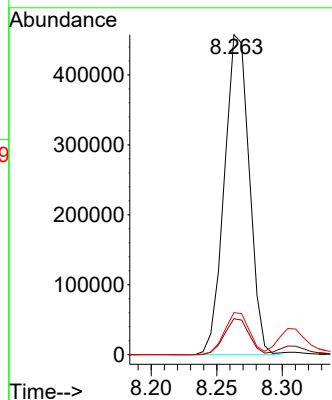
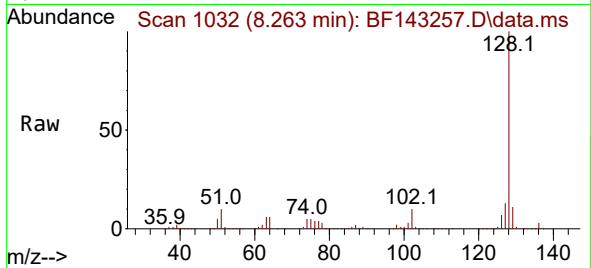




#31
Naphthalene
Concen: 39.936 ng
RT: 8.263 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

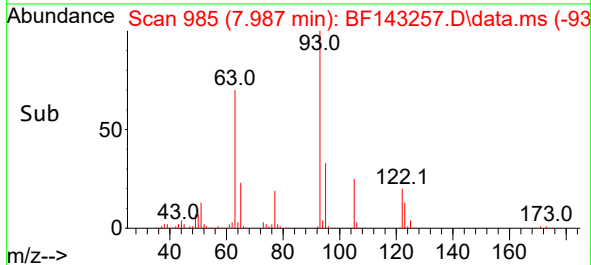
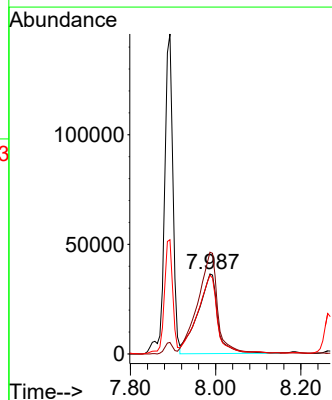
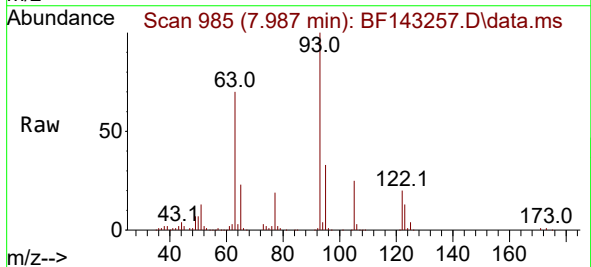
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

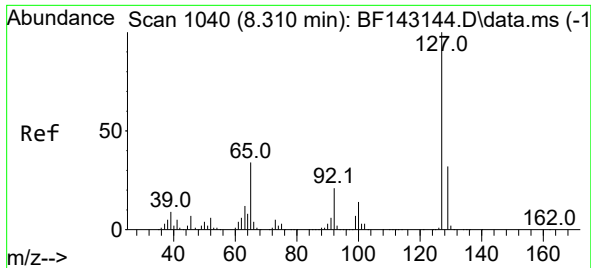
Tgt Ion:128 Resp: 605187
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 41.808 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.005 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:122 Resp: 117754
Ion Ratio Lower Upper
122 100
105 127.2 104.8 144.8
77 98.5 77.6 117.6

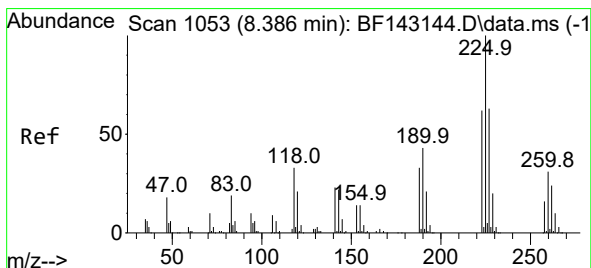
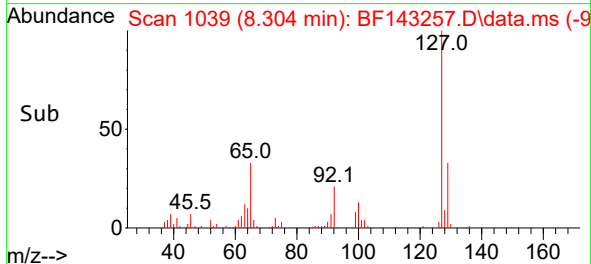
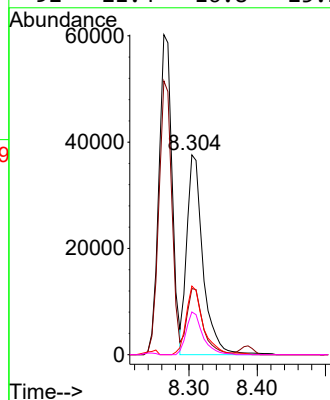
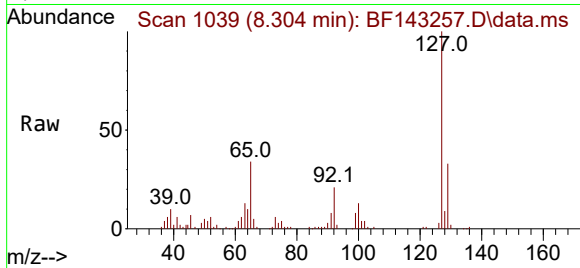




#33
4-Chloroaniline
Concen: 9.985 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

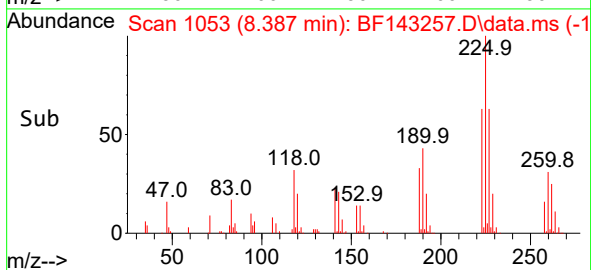
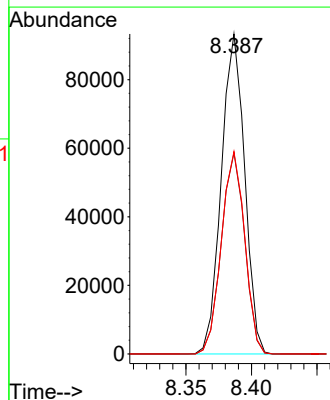
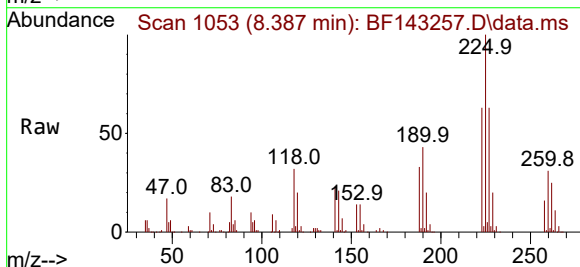
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

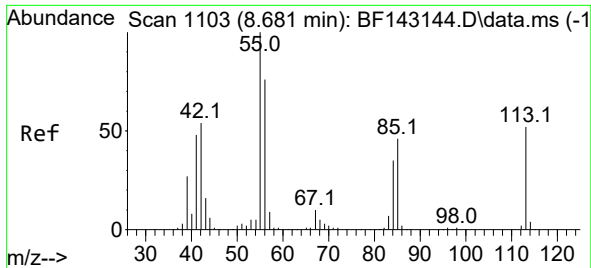
Tgt Ion:	127	Resp:	61782
Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.0	39.0
65	34.3	27.4	41.2
92	21.4	16.8	25.2



#34
Hexachlorobutadiene
Concen: 40.684 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:	225	Resp:	115282
Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.8	74.6
227	63.3	50.2	75.4

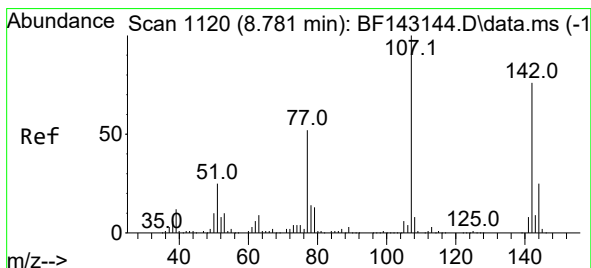
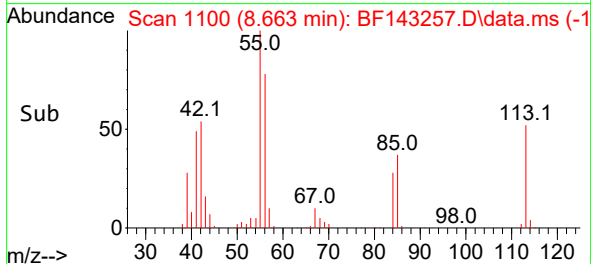
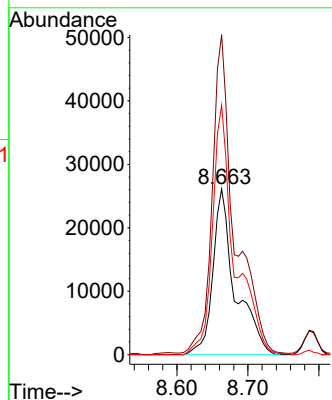
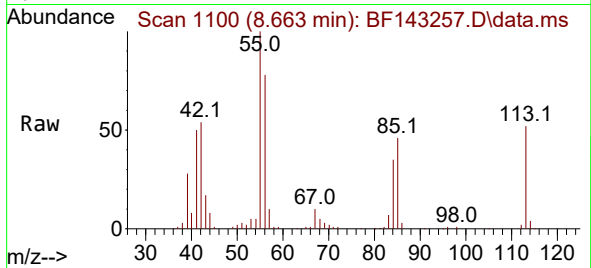




#35
 Caprolactam
 Concen: 44.105 ng
 RT: 8.663 min Scan# 1100
 Delta R.T. -0.018 min
 Lab File: BF143257.D
 Acq: 25 Jul 2025 18:16

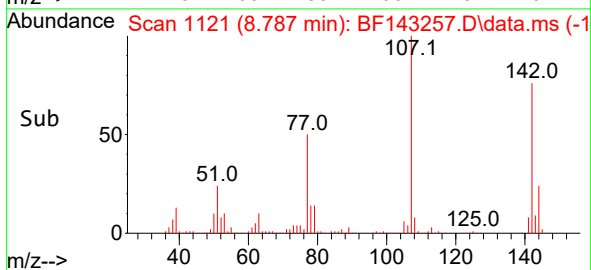
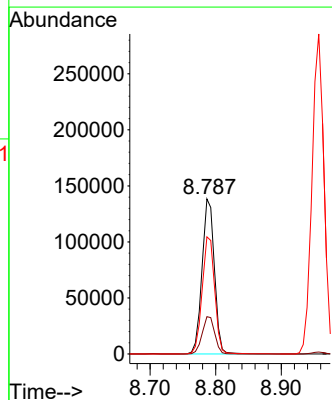
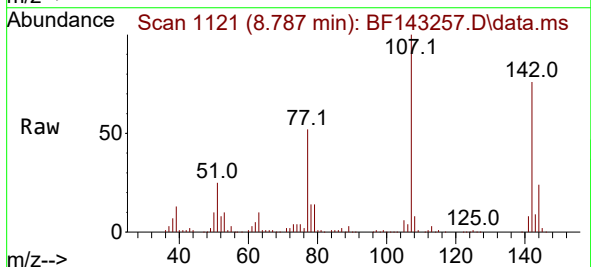
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-251MSD

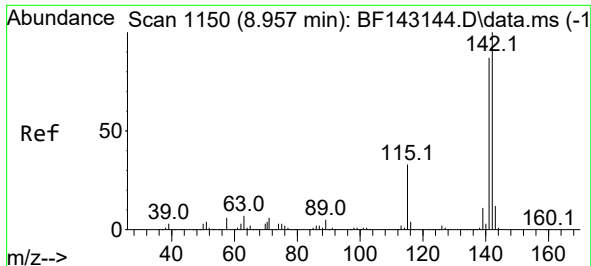
Tgt Ion:113 Resp: 57224
 Ion Ratio Lower Upper
 113 100
 55 193.3 174.0 214.0
 56 150.7 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 39.113 ng
 RT: 8.787 min Scan# 1121
 Delta R.T. 0.006 min
 Lab File: BF143257.D
 Acq: 25 Jul 2025 18:16

Tgt Ion:107 Resp: 182531
 Ion Ratio Lower Upper
 107 100
 144 24.0 19.8 29.6
 142 75.6 60.6 90.8

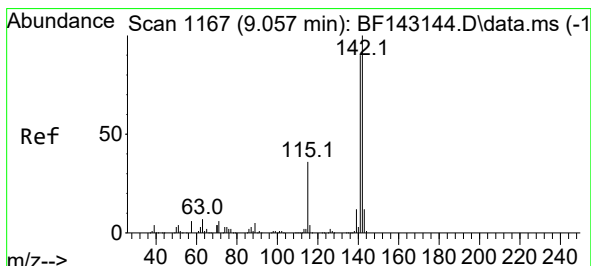
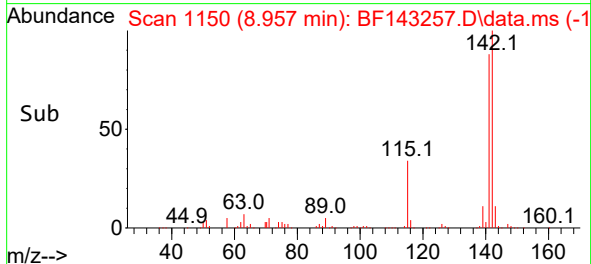
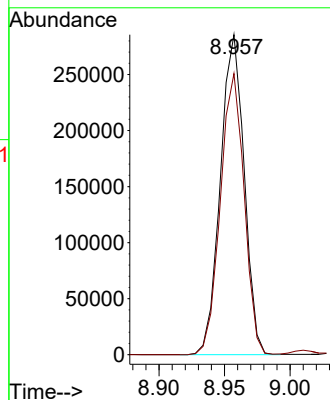
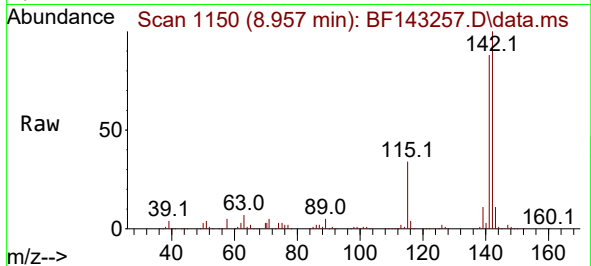




#37
2-Methylnaphthalene
Concen: 39.001 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

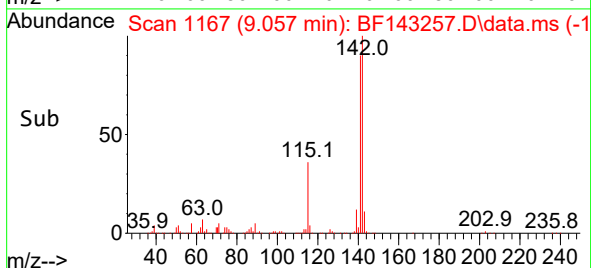
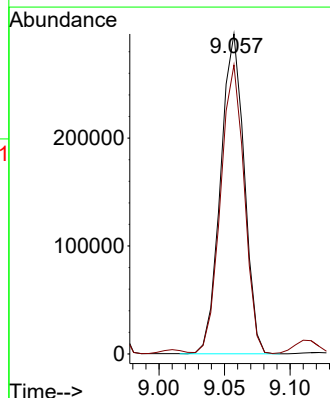
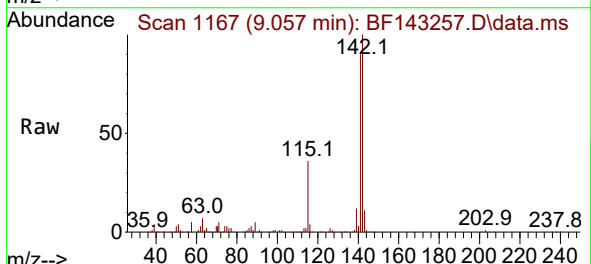
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

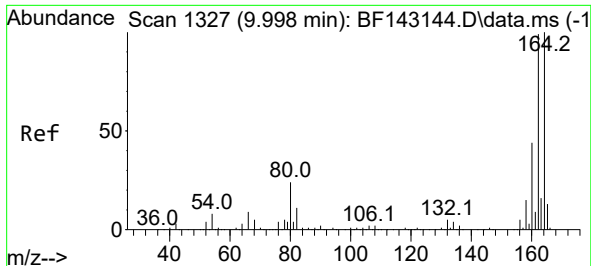
Tgt Ion:142 Resp: 359646
Ion Ratio Lower Upper
142 100
141 87.9 69.9 104.9



#38
1-Methylnaphthalene
Concen: 39.126 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:142 Resp: 371528
Ion Ratio Lower Upper
142 100
141 90.3 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

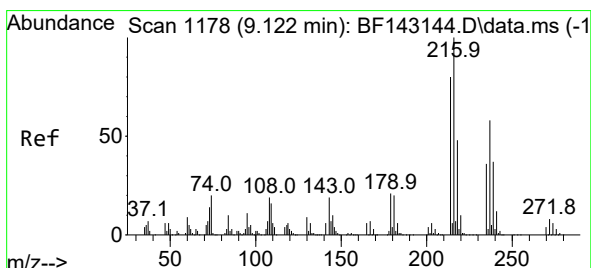
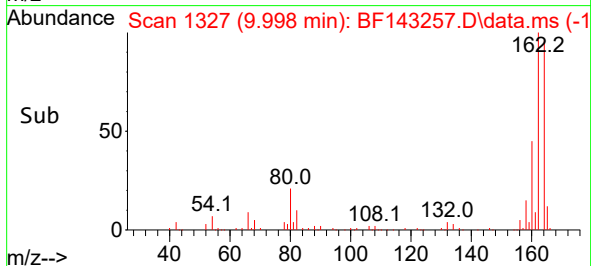
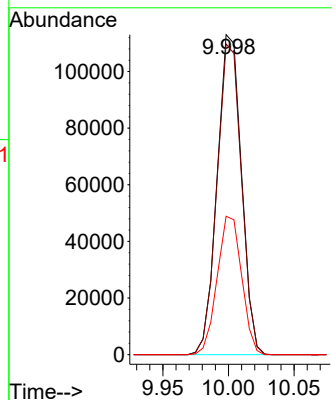
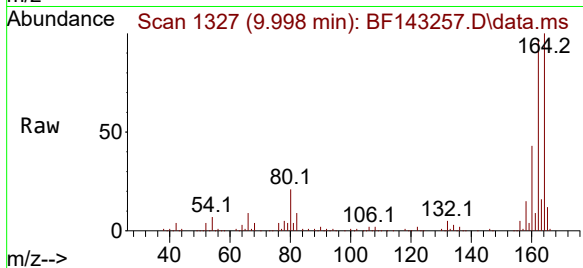
Tgt Ion:164 Resp: 145693

Ion Ratio Lower Upper

164 100

162 97.1 79.0 118.6

160 43.3 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.826 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Tgt Ion:216 Resp: 180139

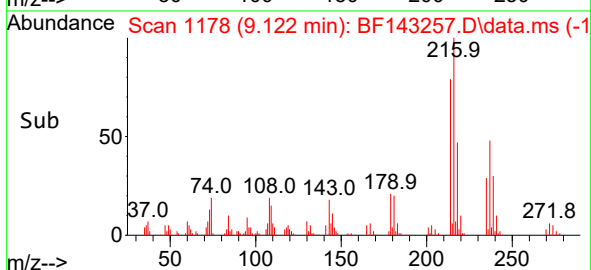
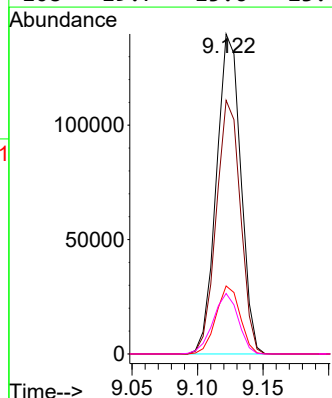
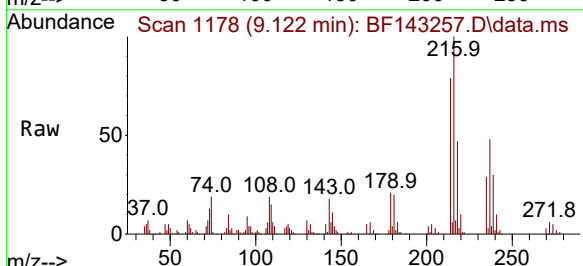
Ion Ratio Lower Upper

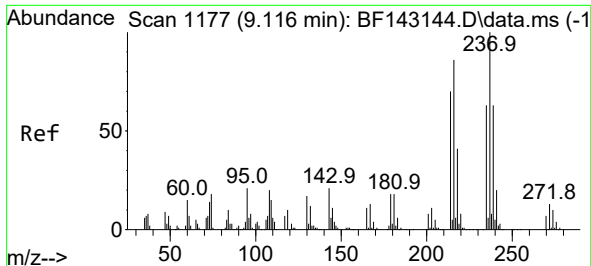
216 100

214 78.7 63.8 95.8

179 21.0 16.4 24.6

108 19.7 15.6 23.4

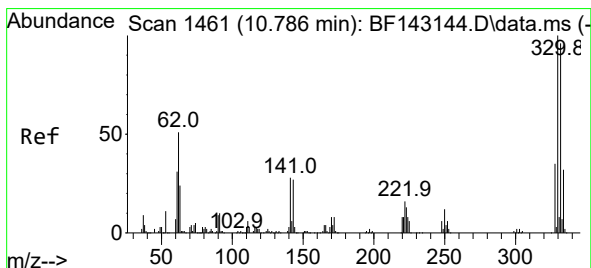
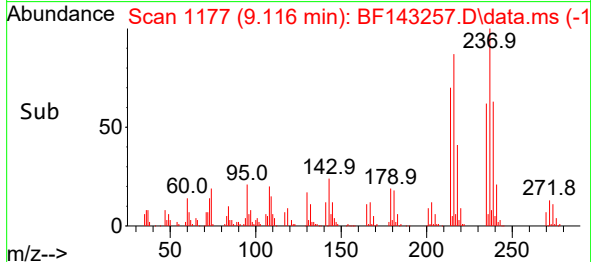
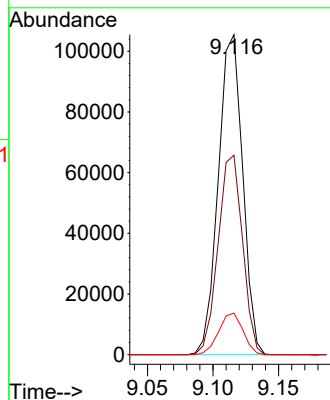
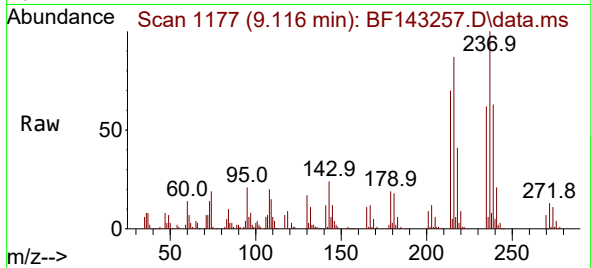




#41
Hexachlorocyclopentadiene
Concen: 49.803 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

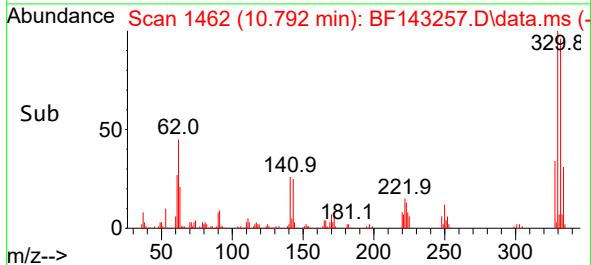
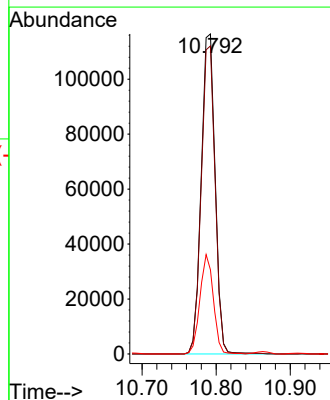
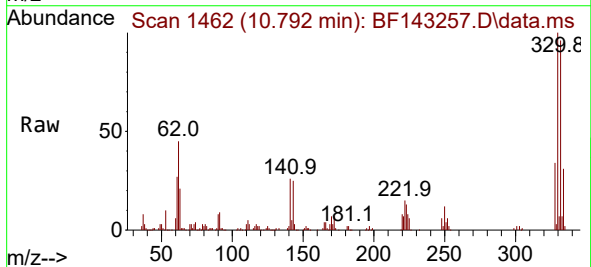
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

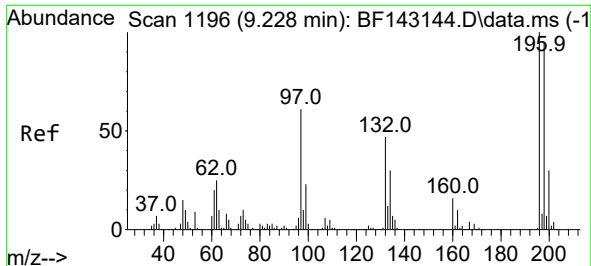
Tgt Ion:237 Resp: 136307
Ion Ratio Lower Upper
237 100
235 62.3 43.0 83.0
272 13.0 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 100.759 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:330 Resp: 151652
Ion Ratio Lower Upper
330 100
332 96.2 76.7 115.1
141 30.0 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 40.845 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

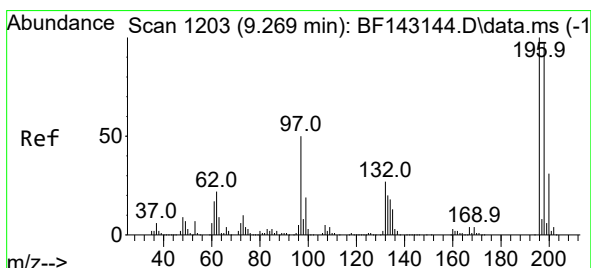
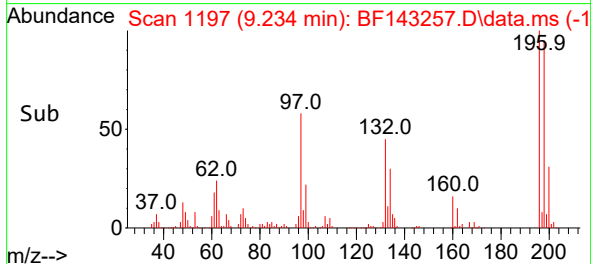
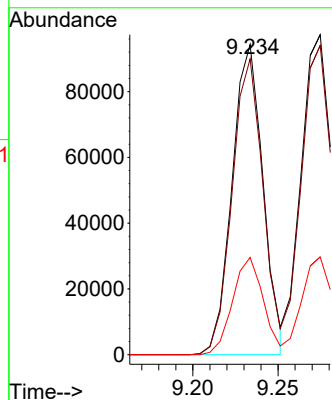
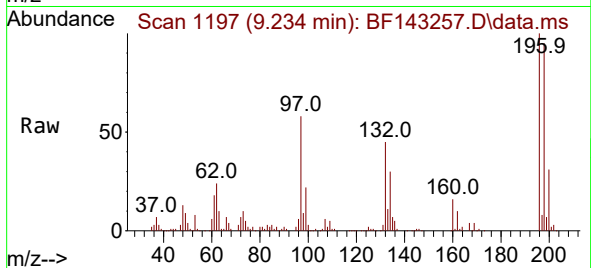
Tgt Ion:196 Resp: 118904

Ion Ratio Lower Upper

196 100

198 95.3 76.2 114.2

200 31.4 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 42.800 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Tgt Ion:196 Resp: 124633

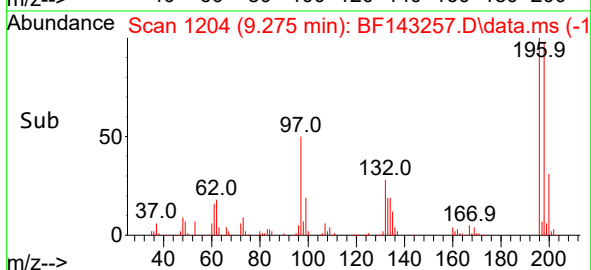
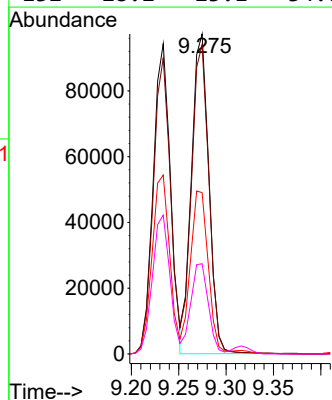
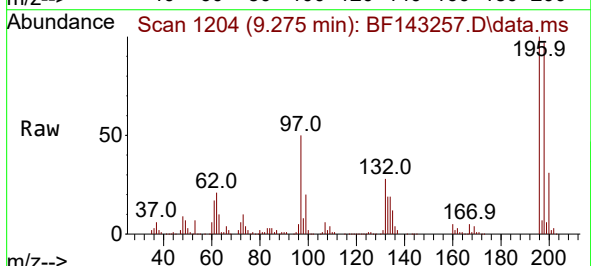
Ion Ratio Lower Upper

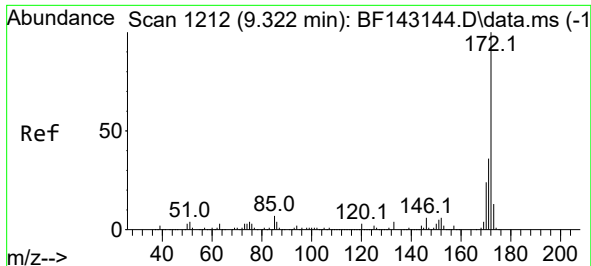
196 100

198 96.6 77.3 115.9

97 50.4 40.3 60.5

132 28.2 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 59.883 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

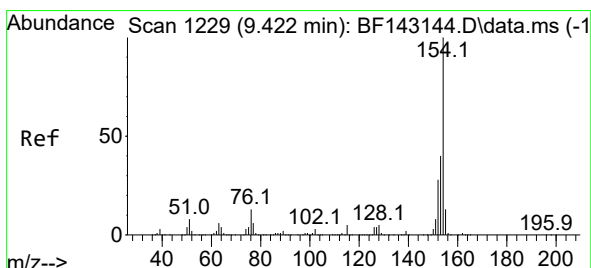
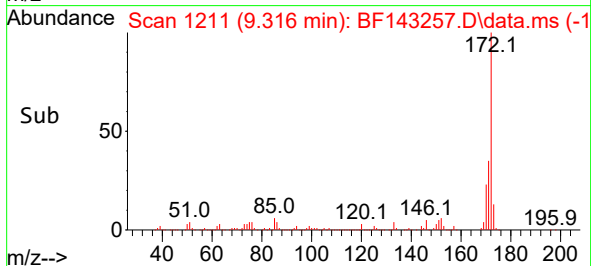
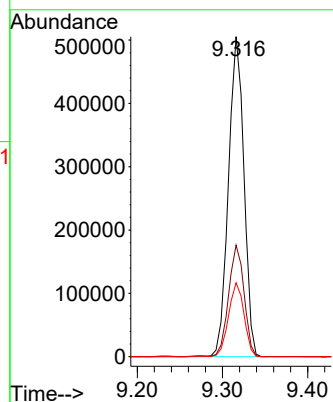
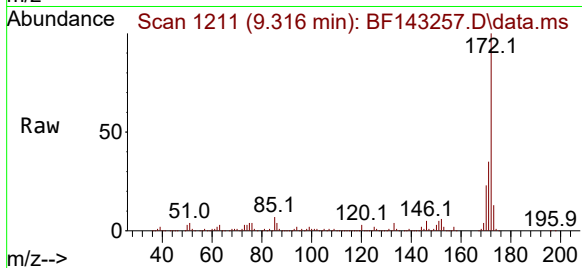
Tgt Ion:172 Resp: 637938

Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 23.1 18.8 28.2



#46

1,1'-Biphenyl

Concen: 42.652 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

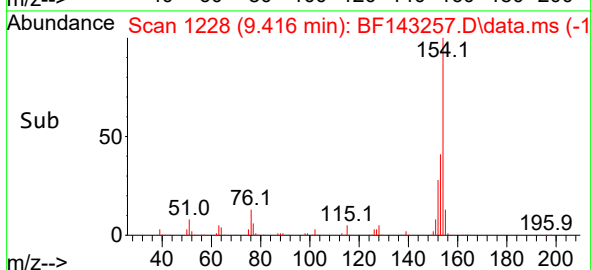
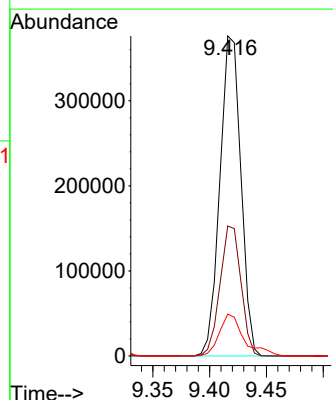
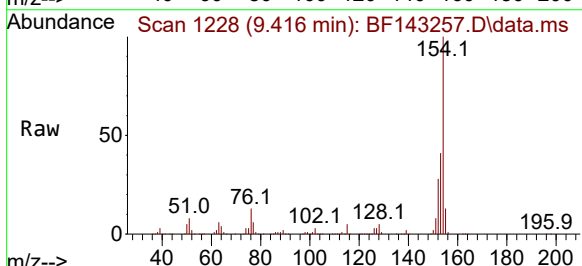
Tgt Ion:154 Resp: 484823

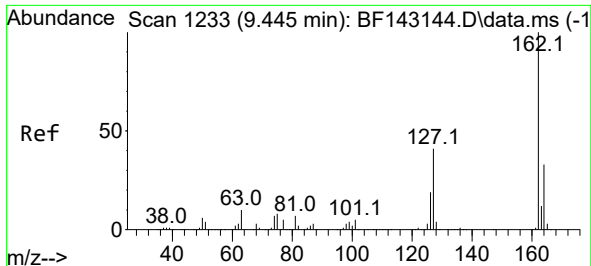
Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

76 13.0 0.0 33.3





#47

2-Chloronaphthalene

Concen: 41.312 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

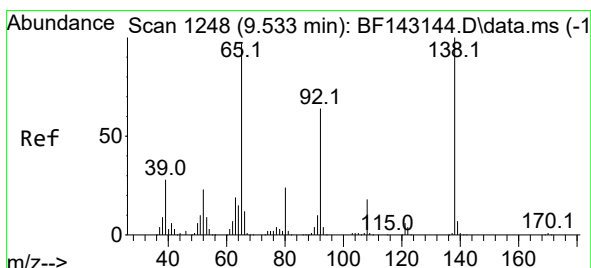
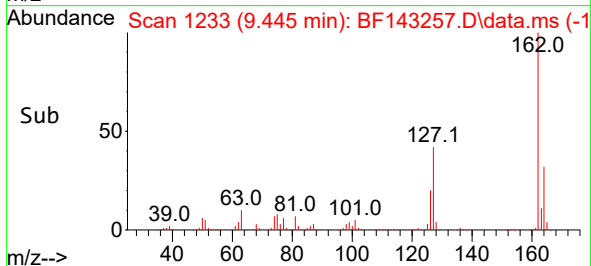
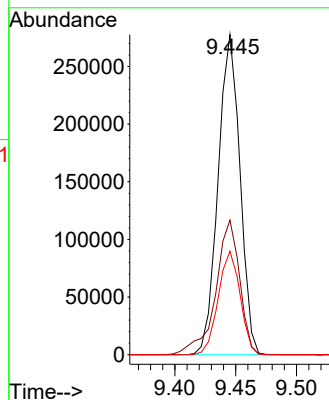
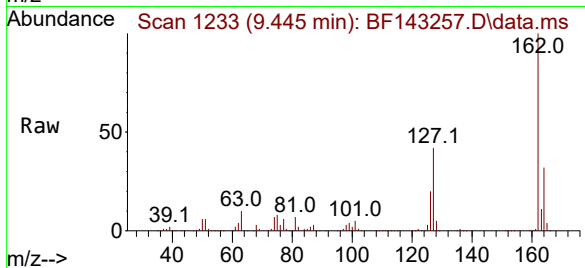
Tgt Ion:162 Resp: 347463

Ion Ratio Lower Upper

162 100

127 42.1 33.4 50.2

164 32.3 26.2 39.2



#48

2-Nitroaniline

Concen: 45.460 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

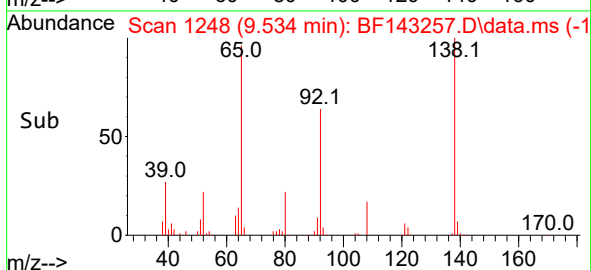
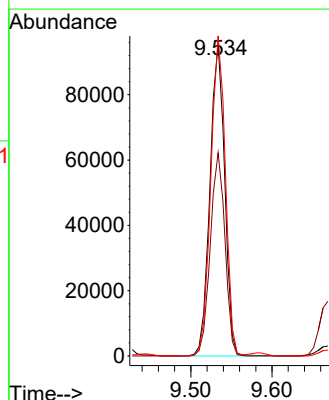
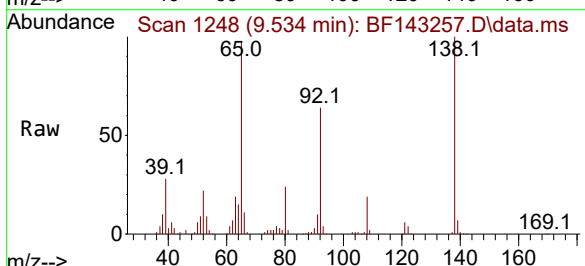
Tgt Ion: 65 Resp: 119904

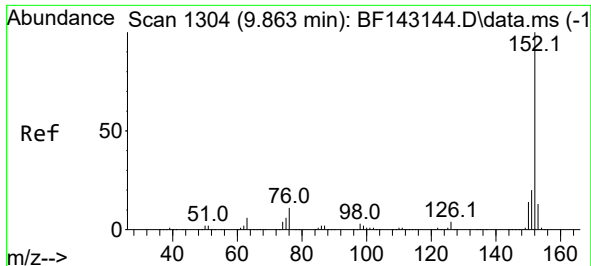
Ion Ratio Lower Upper

65 100

92 65.2 52.4 78.6

138 102.6 82.3 123.5

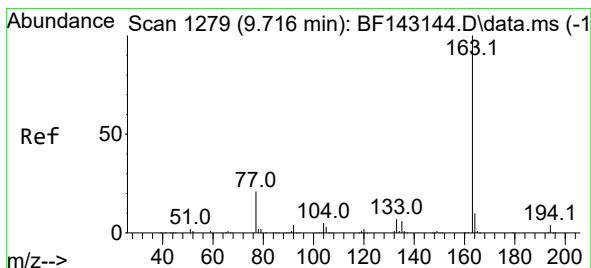
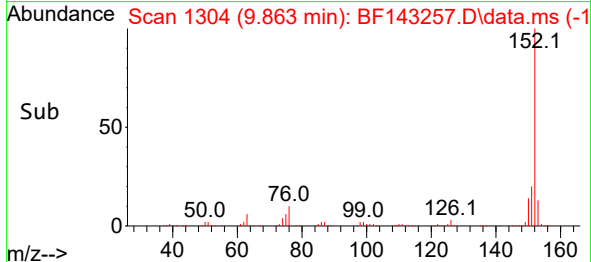
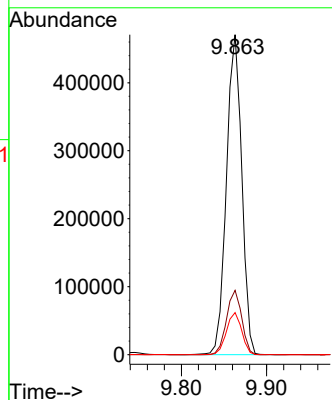
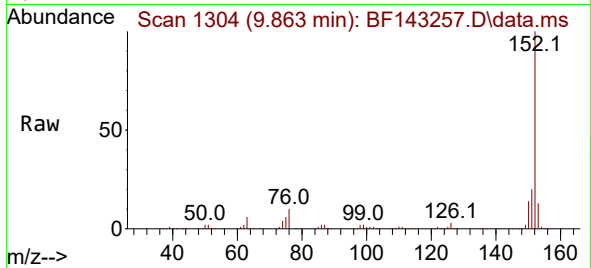




#49
Acenaphthylene
Concen: 41.688 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

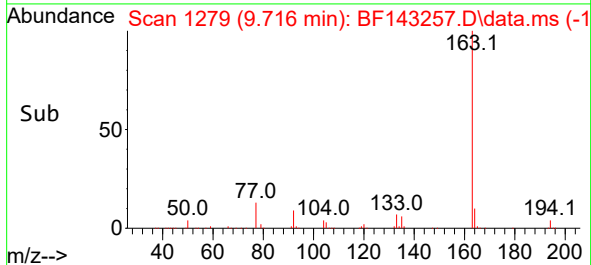
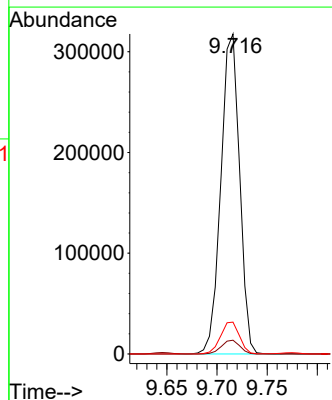
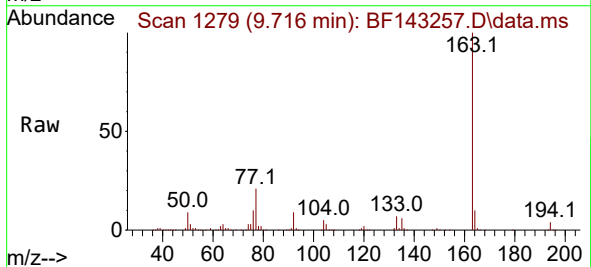
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

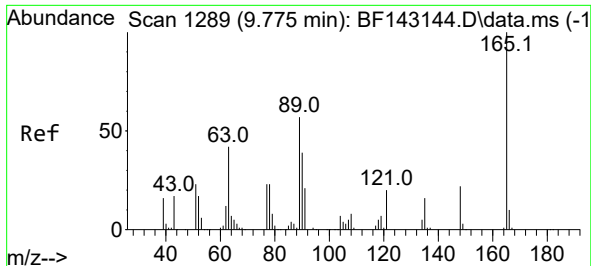
Tgt Ion:152 Resp: 587588
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.2 10.6 16.0



#50
Dimethylphthalate
Concen: 43.335 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:163 Resp: 411538
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.0 8.3 12.5

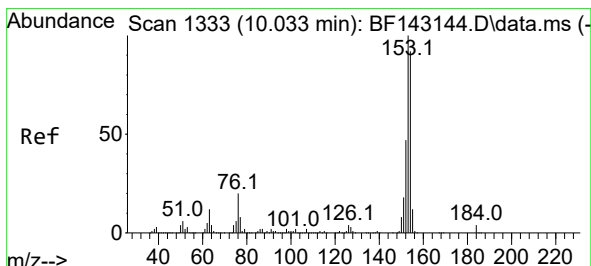
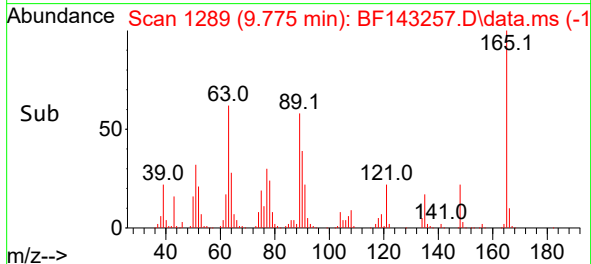
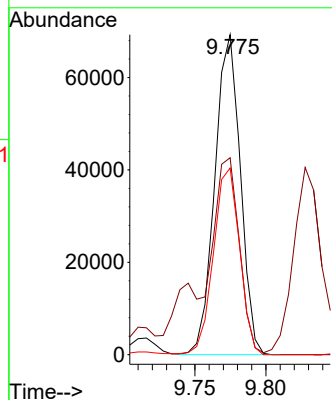
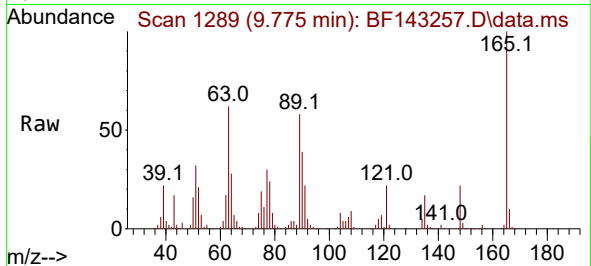




#51
2,6-Dinitrotoluene
Concen: 44.907 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

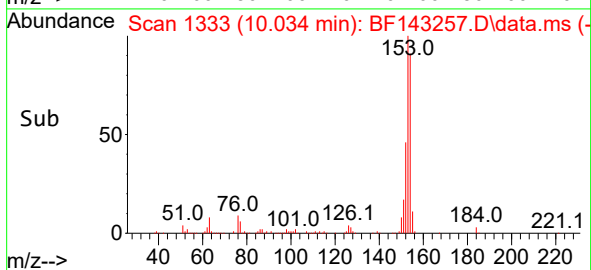
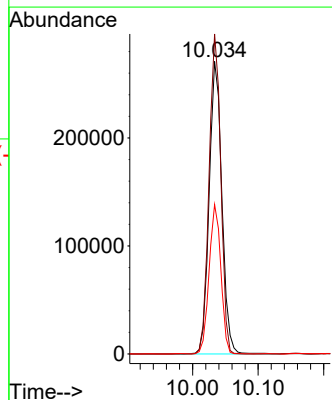
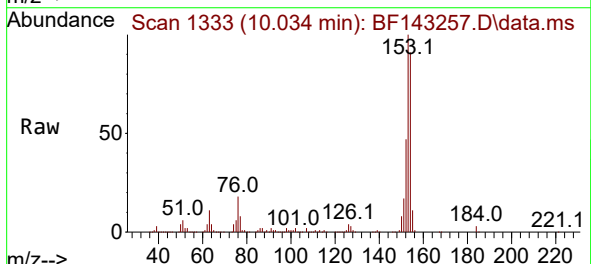
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

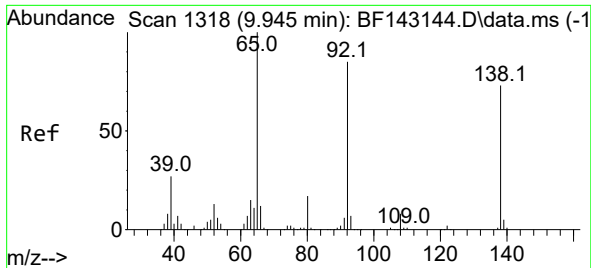
Tgt Ion:165 Resp: 86756
Ion Ratio Lower Upper
165 100
63 61.6 49.4 74.2
89 58.3 46.2 69.2



#52
Acenaphthene
Concen: 43.891 ng
RT: 10.034 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:154 Resp: 365644
Ion Ratio Lower Upper
154 100
153 109.4 86.6 129.8
152 51.1 40.4 60.6

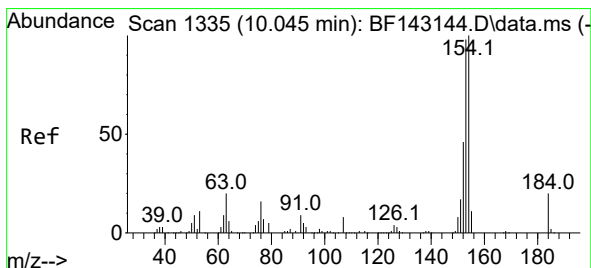
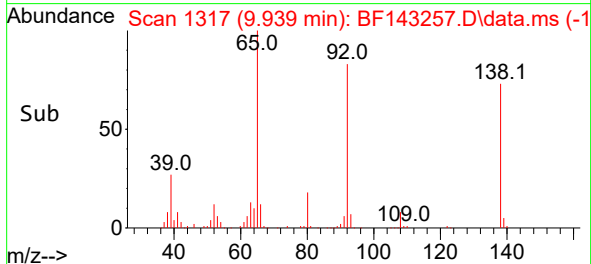
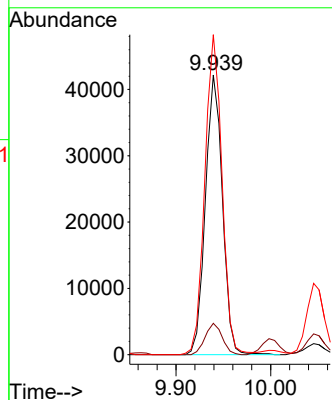
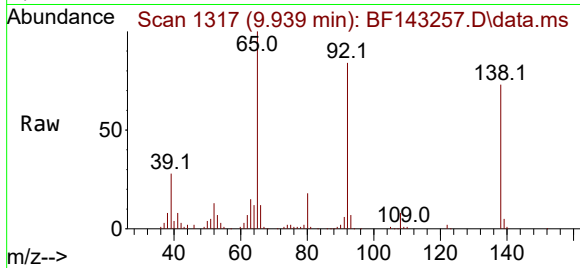




#53
3-Nitroaniline
Concen: 23.254 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

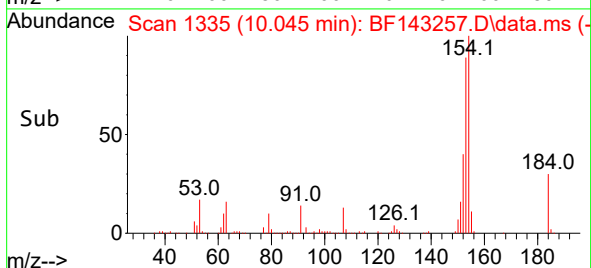
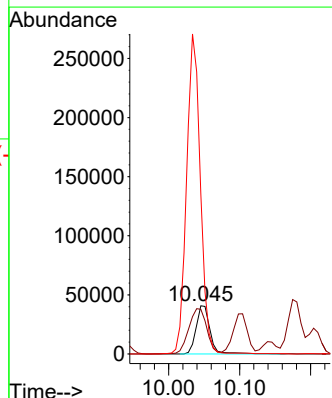
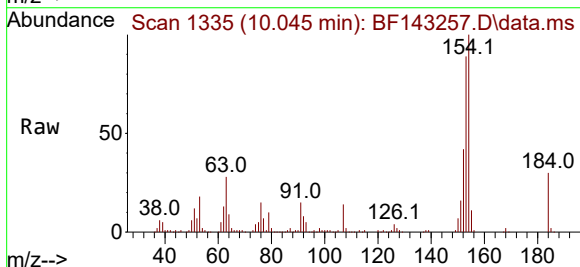
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

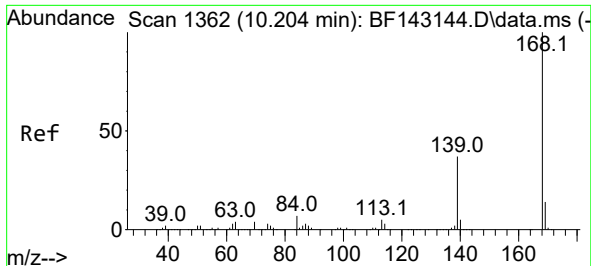
Tgt Ion:138 Resp: 52547
Ion Ratio Lower Upper
138 100
108 11.2 9.0 13.6
92 114.4 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 64.676 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:184 Resp: 55410
Ion Ratio Lower Upper
184 100
63 92.7 81.8 122.6
154 332.1 412.2 618.4#

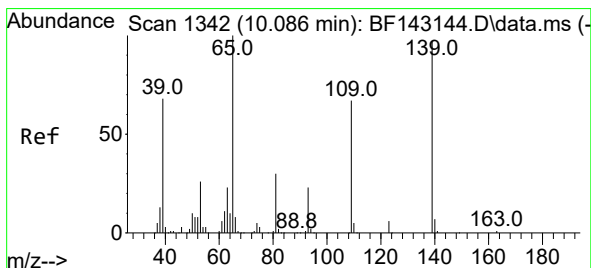
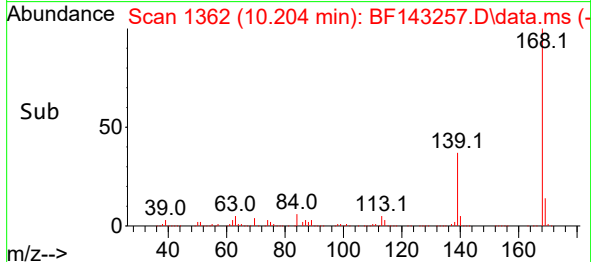
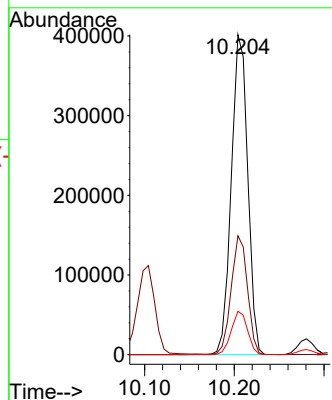
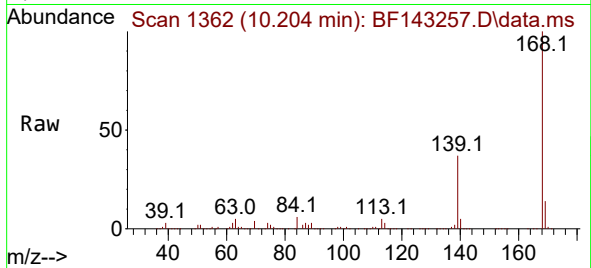




#55
Dibenzofuran
Concen: 41.253 ng
RT: 10.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

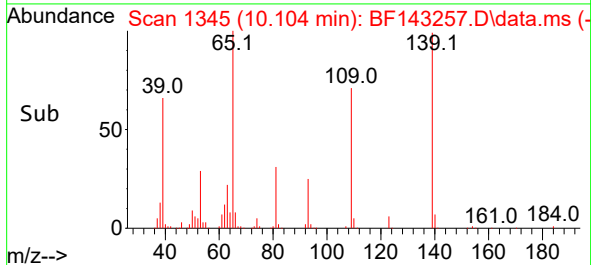
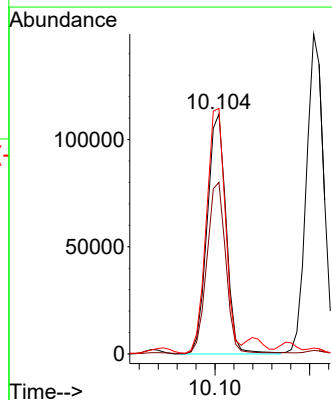
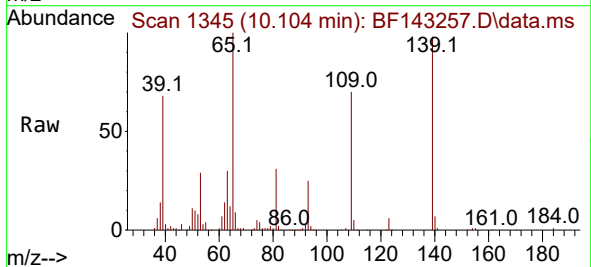
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

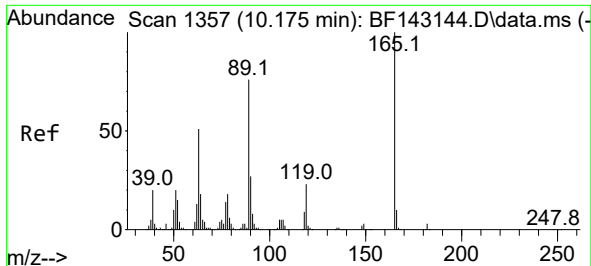
Tgt Ion:168 Resp: 510244
Ion Ratio Lower Upper
168 100
139 37.2 29.5 44.3
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 91.936 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:139 Resp: 155133
Ion Ratio Lower Upper
139 100
109 71.5 48.5 88.5
65 102.2 83.4 123.4

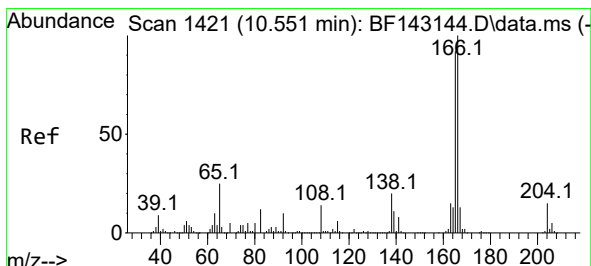
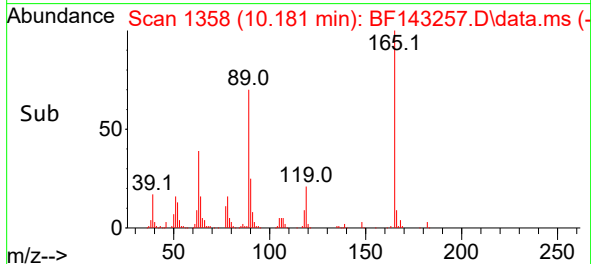
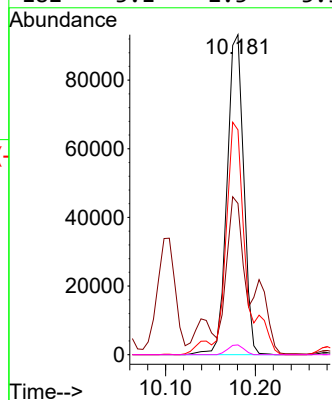
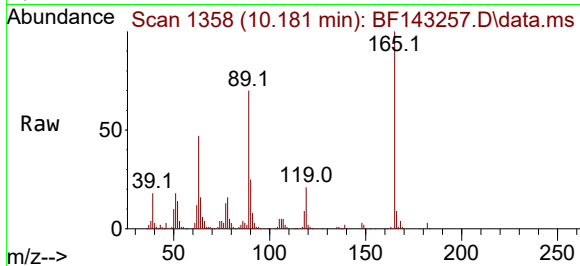




#57
2,4-Dinitrotoluene
Concen: 49.479 ng
RT: 10.181 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

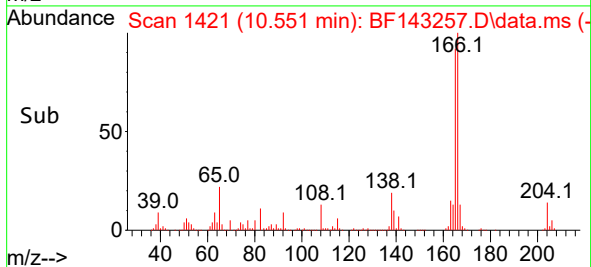
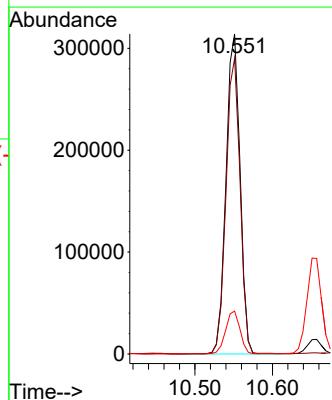
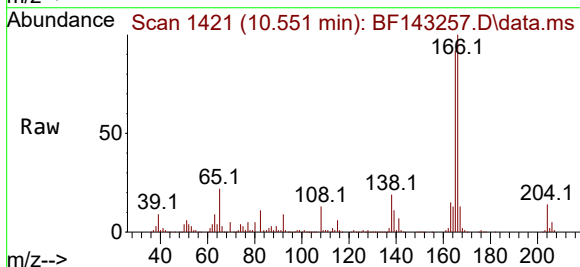
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

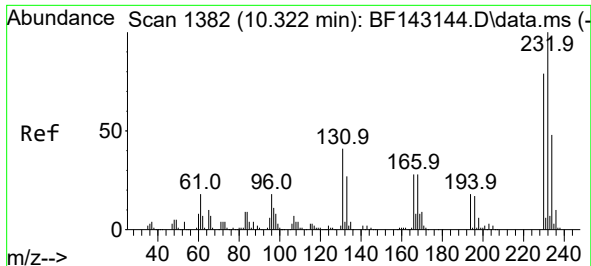
Tgt Ion:165 Resp: 119925
Ion Ratio Lower Upper
165 100
63 47.2 41.0 61.4
89 70.2 61.1 91.7
182 3.1 2.3 3.5



#58
Fluorene
Concen: 42.552 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:166 Resp: 395006
Ion Ratio Lower Upper
166 100
165 92.4 73.7 110.5
167 13.4 10.6 16.0

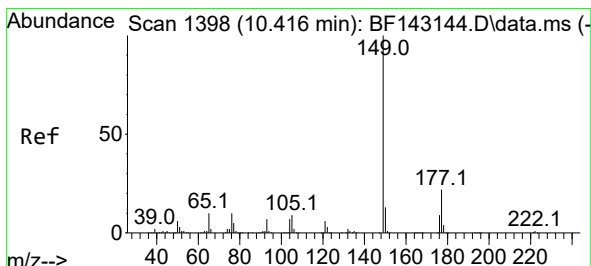
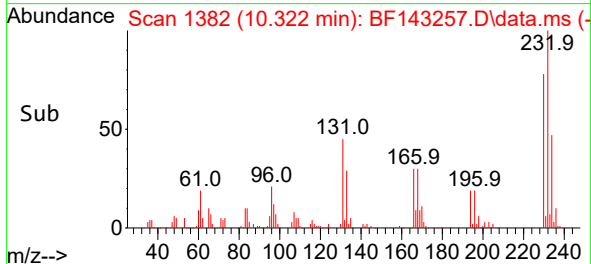
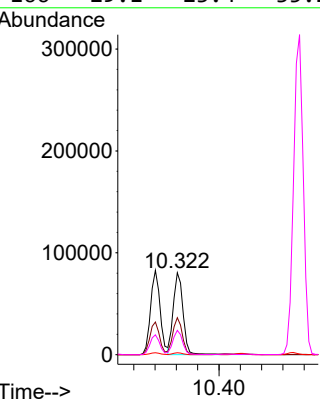
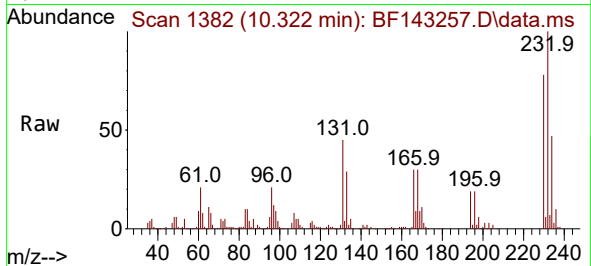




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.381 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

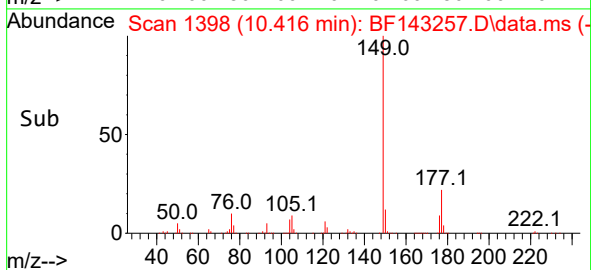
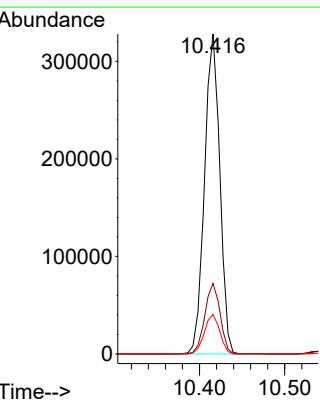
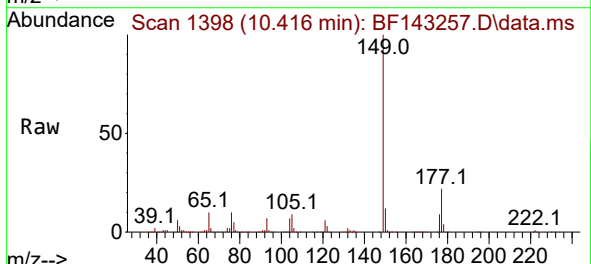
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

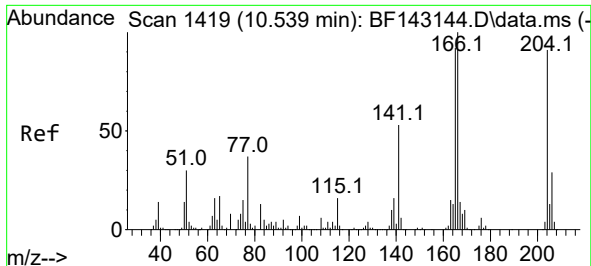
Tgt Ion:232 Resp: 102232
Ion Ratio Lower Upper
232 100
131 43.9 35.3 52.9
130 2.3 1.7 2.5
166 29.1 23.4 35.2



#60
Diethylphthalate
Concen: 43.521 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:149 Resp: 408510
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.4 10.2 15.2

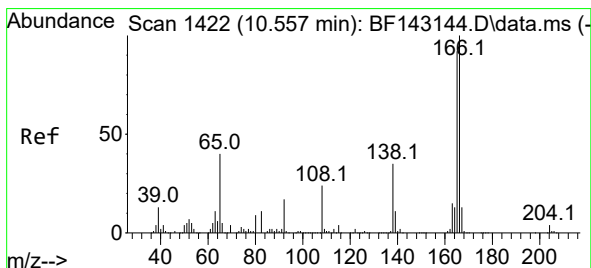
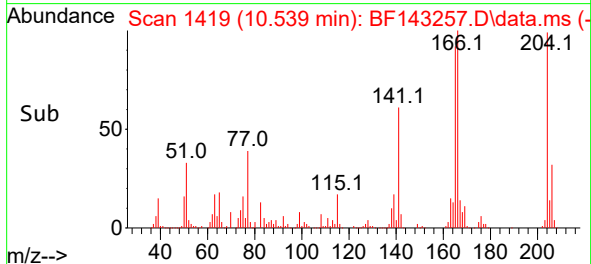
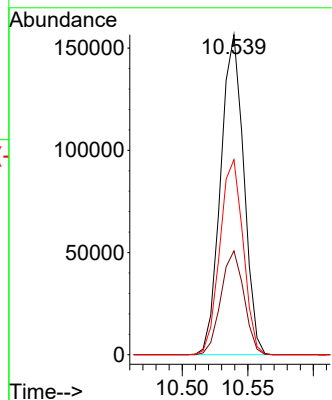
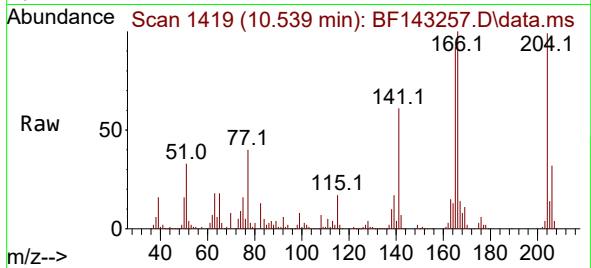




#61
4-Chlorophenyl-phenylether
Concen: 41.475 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

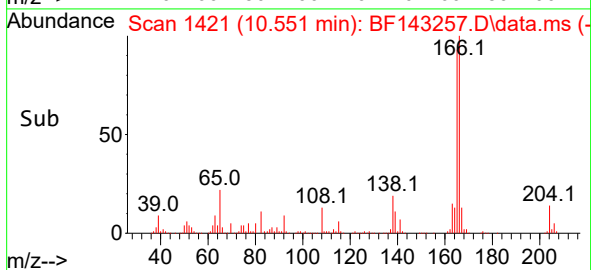
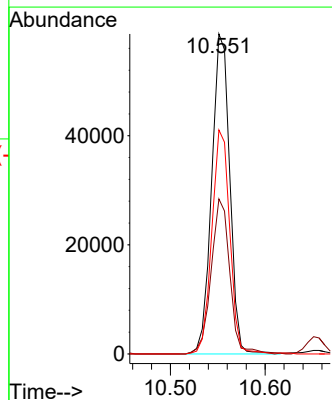
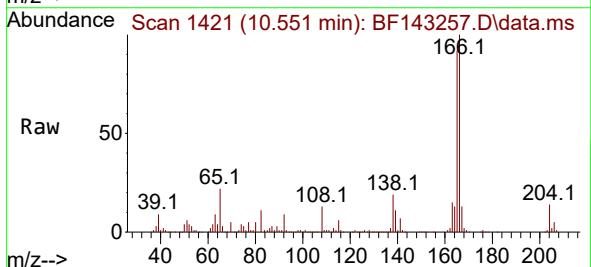
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

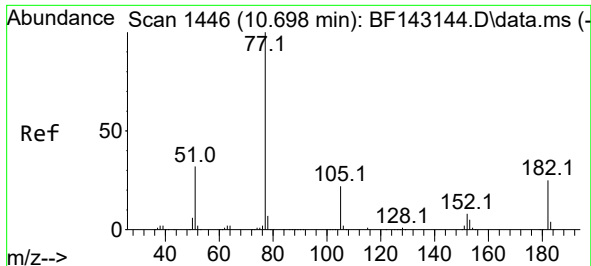
Tgt Ion:204 Resp: 191709
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.8
141 60.9 47.0 70.4



#62
4-Nitroaniline
Concen: 40.040 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:138 Resp: 77544
Ion Ratio Lower Upper
138 100
92 48.5 29.3 69.3
108 70.0 48.3 88.3

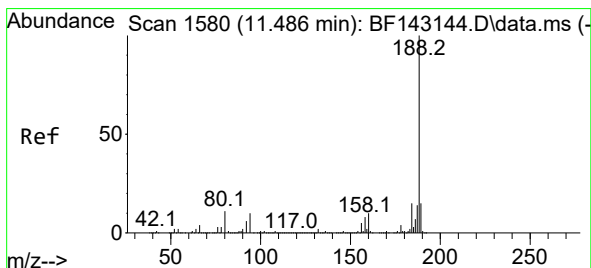
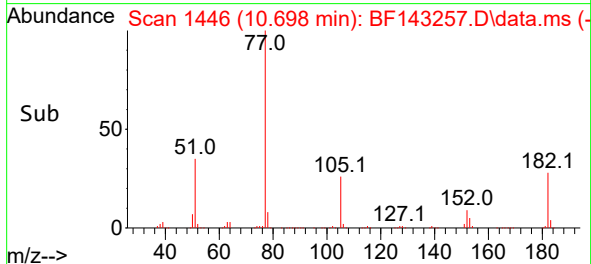
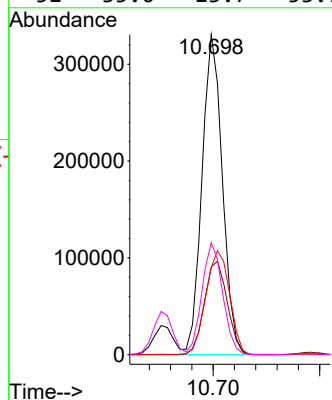
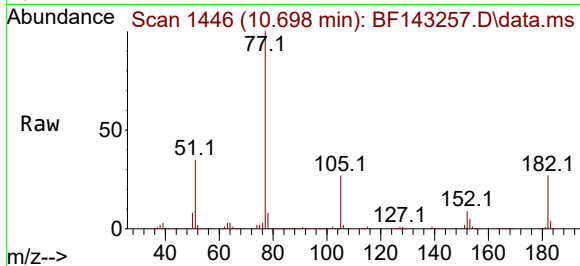




#63
Azobenzene
Concen: 44.962 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

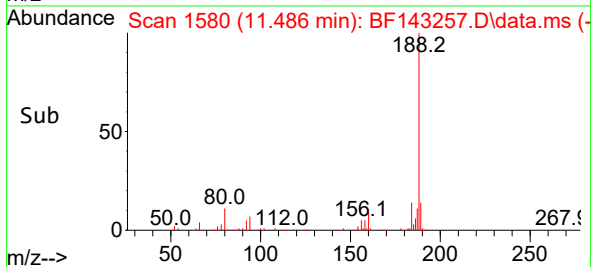
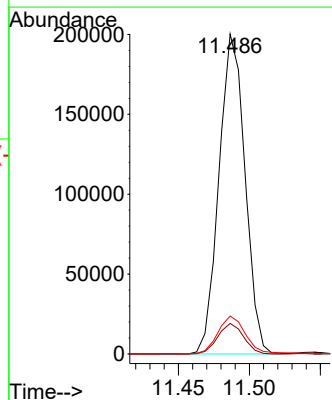
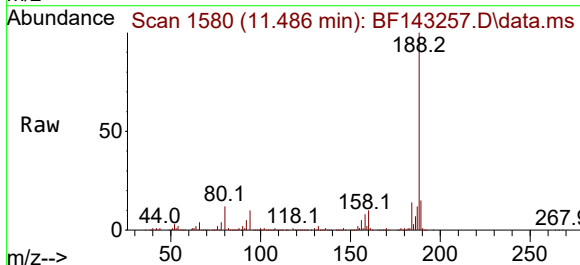
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

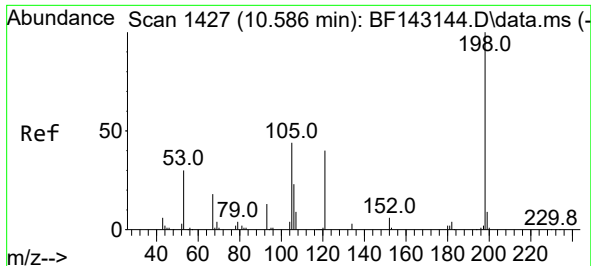
Tgt Ion: 77	Resp: 439859
Ion Ratio	Lower Upper
77 100	
182 27.4	4.6 44.6
105 27.3	1.4 41.4
51 35.0	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:188	Resp: 255149		
Ion Ratio	Lower	Upper	
188 100			
94 9.5	8.3	12.5	
80 11.8	9.0	13.6	

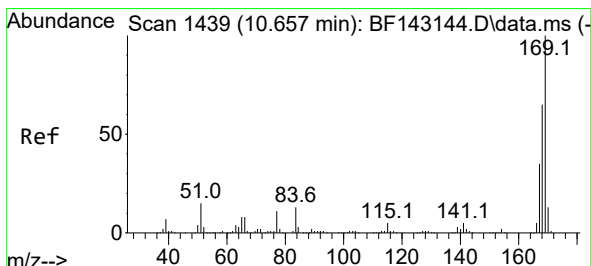
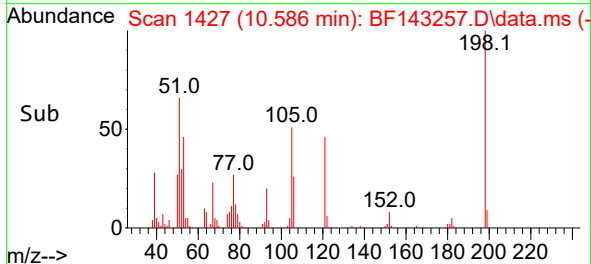
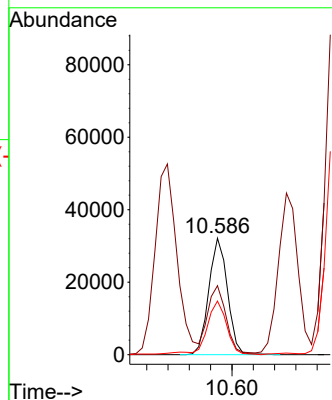
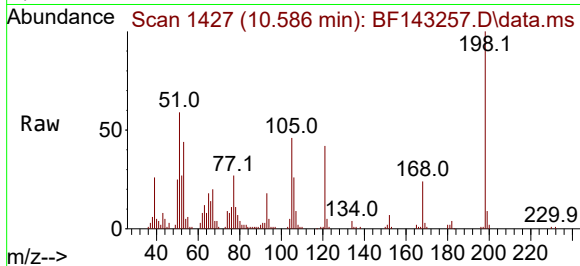




#65
4,6-Dinitro-2-methylphenol
Concen: 31.310 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

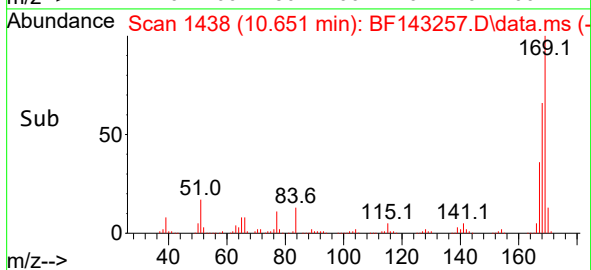
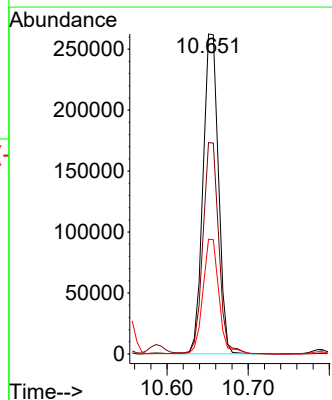
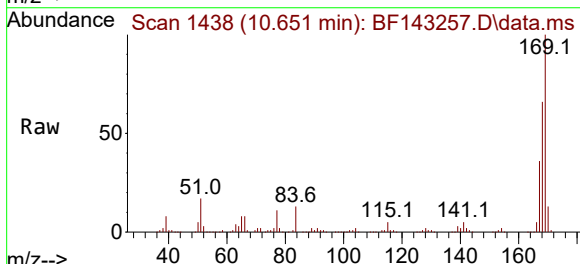
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

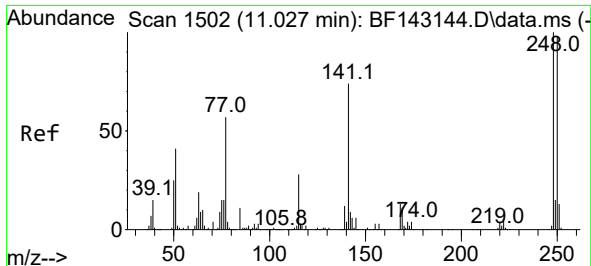
Tgt Ion:198 Resp: 39042
Ion Ratio Lower Upper
198 100
51 59.2 37.2 77.2
105 46.0 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 38.277 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:169 Resp: 343901
Ion Ratio Lower Upper
169 100
168 66.1 52.1 78.1
167 35.9 28.2 42.2

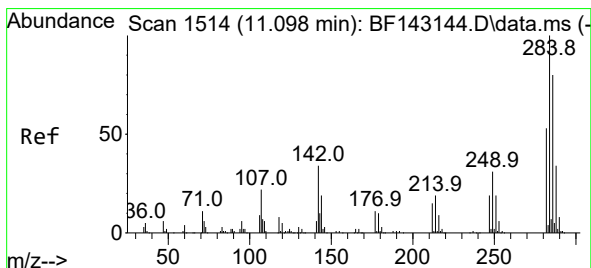
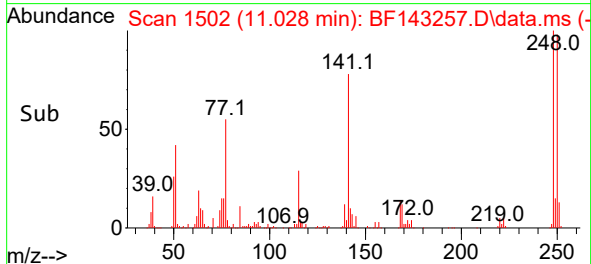
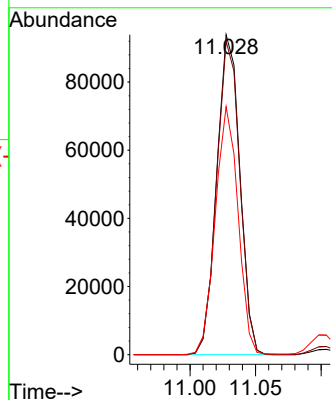
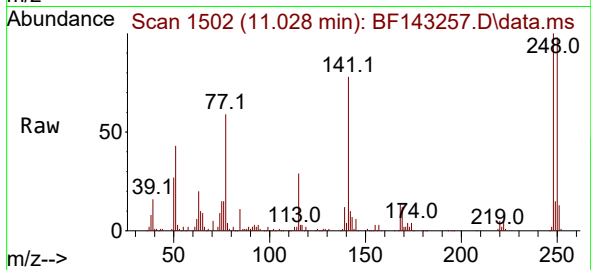




#67
4-Bromophenyl-phenylether
Concen: 37.964 ng
RT: 11.028 min Scan# 115438
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

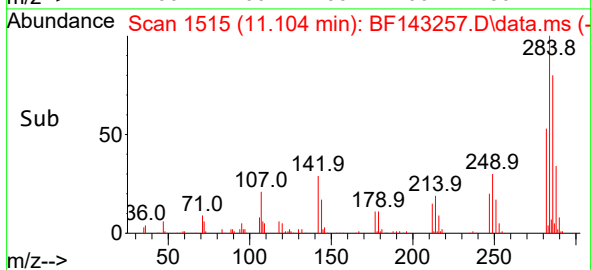
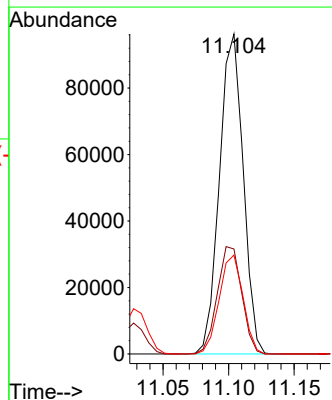
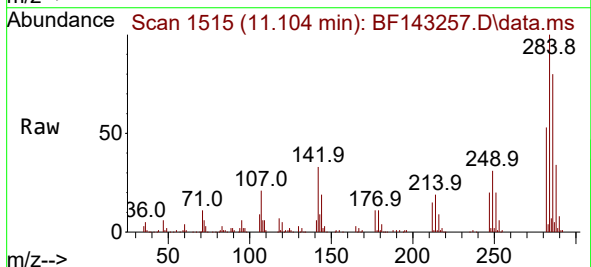
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

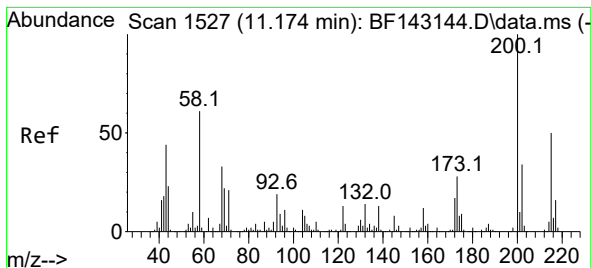
Tgt Ion:248 Resp: 115438
Ion Ratio Lower Upper
248 100
250 98.0 78.3 117.5
141 77.5 59.2 88.8



#68
Hexachlorobenzene
Concen: 38.077 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:284 Resp: 121014
Ion Ratio Lower Upper
284 100
142 32.8 27.0 40.6
249 30.9 25.0 37.6





#69

Atrazine

Concen: 45.468 ng

RT: 11.181 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

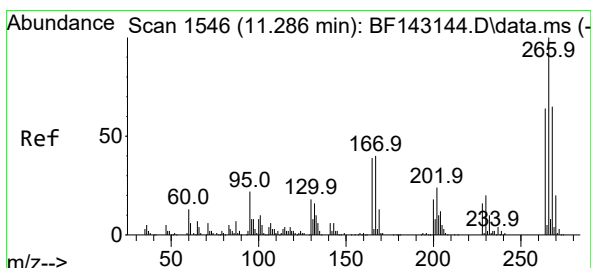
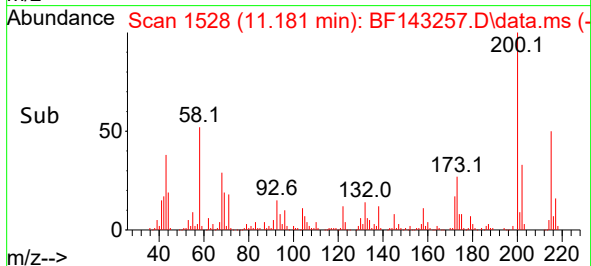
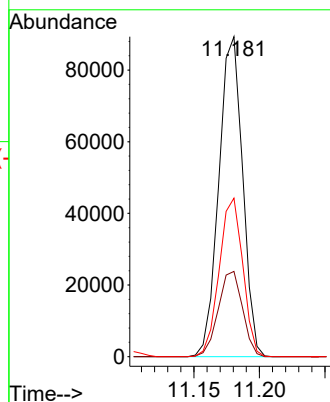
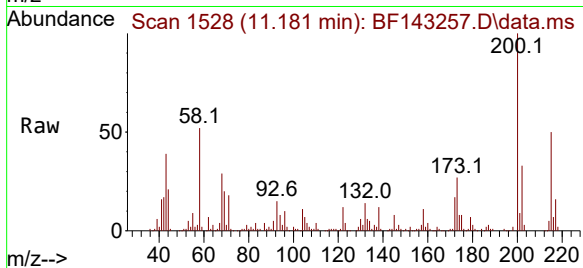
Tgt Ion:200 Resp: 112623

Ion Ratio Lower Upper

200 100

173 26.7 7.9 47.9

215 49.6 30.1 70.1



#70

Pentachlorophenol

Concen: 85.039 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

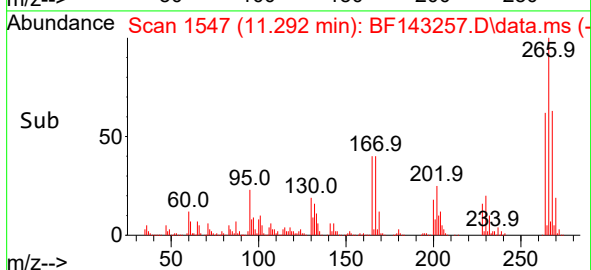
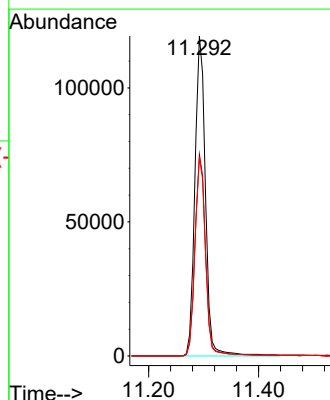
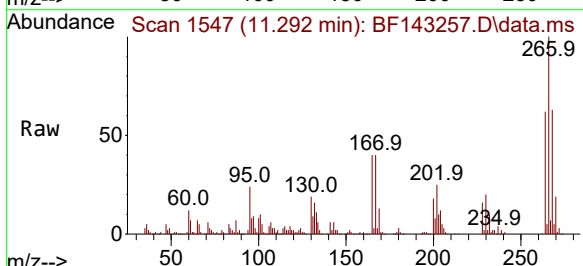
Tgt Ion:266 Resp: 158939

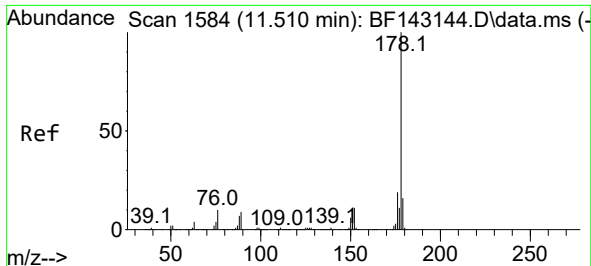
Ion Ratio Lower Upper

266 100

268 63.0 51.9 77.9

264 62.1 51.0 76.6

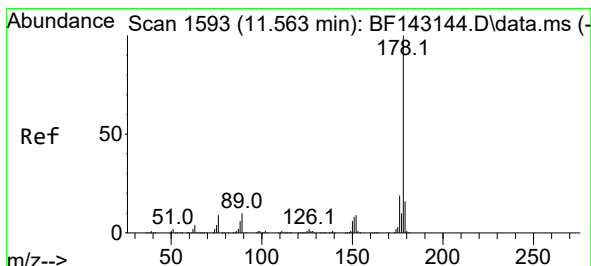
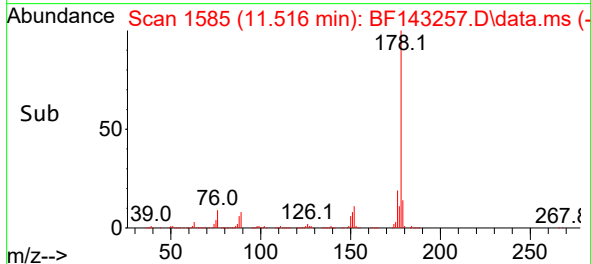
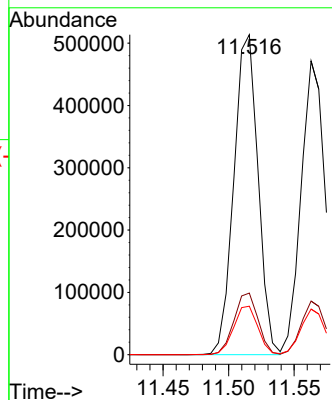
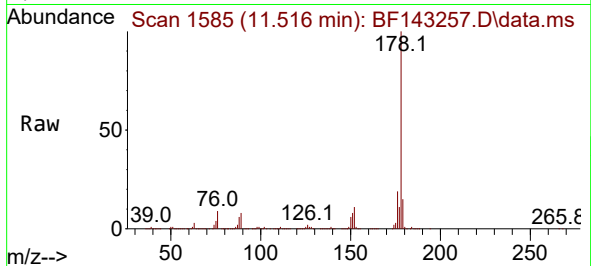




#71
Phenanthrene
Concen: 48.662 ng
RT: 11.516 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

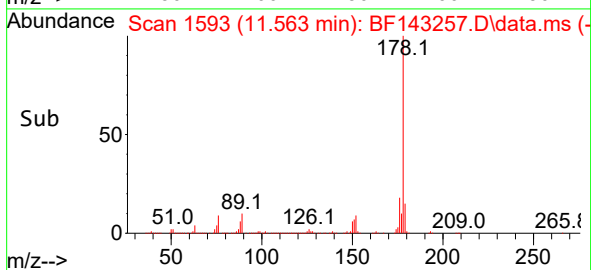
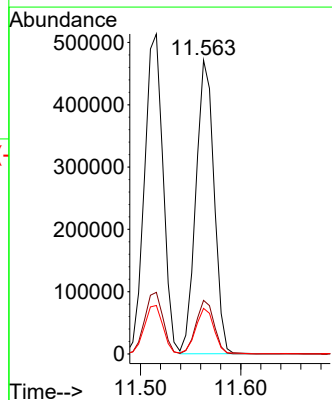
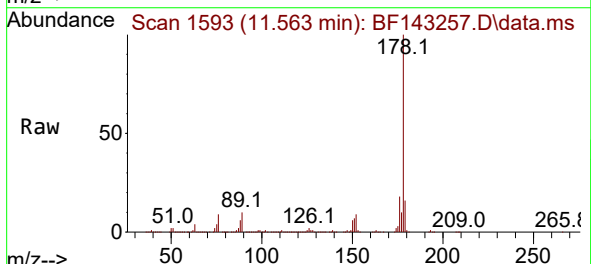
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

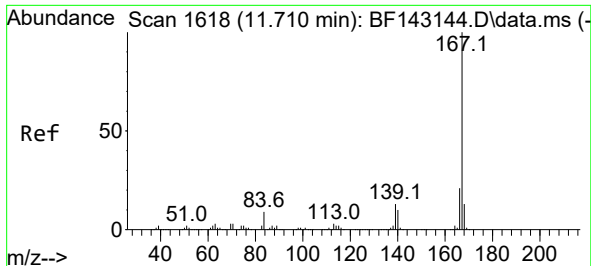
Tgt Ion:178 Resp: 659247
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.2 12.5 18.7



#72
Anthracene
Concen: 42.957 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:178 Resp: 593542
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.5 12.5 18.7

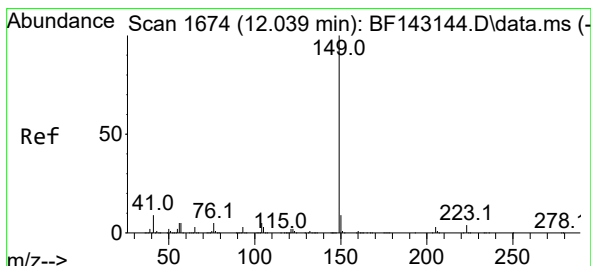
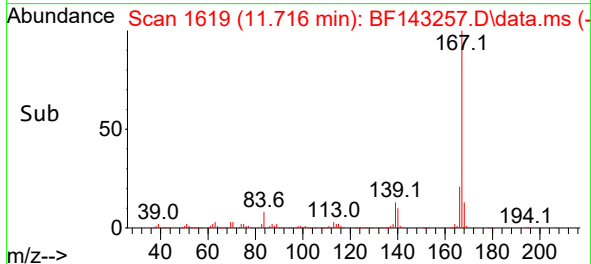
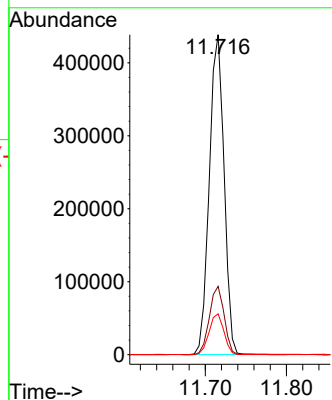
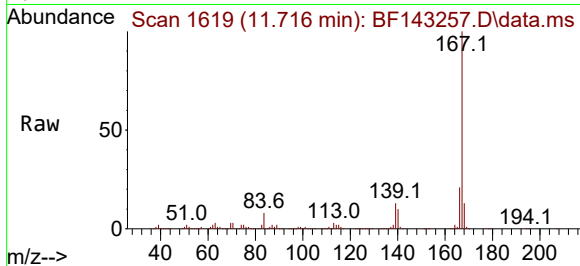




#73
 Carbazole
 Concen: 45.725 ng
 RT: 11.716 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF143257.D
 Acq: 25 Jul 2025 18:16

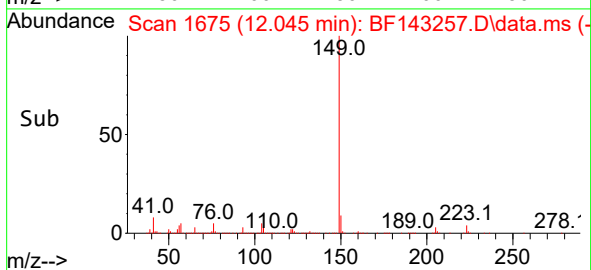
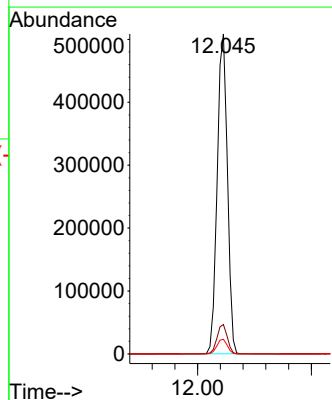
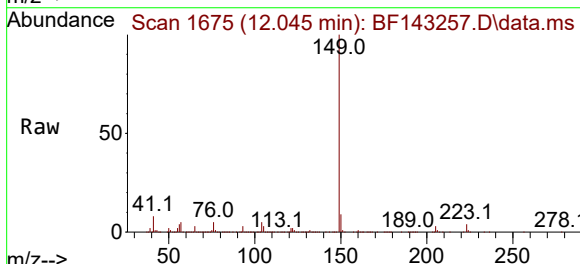
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-251MSD

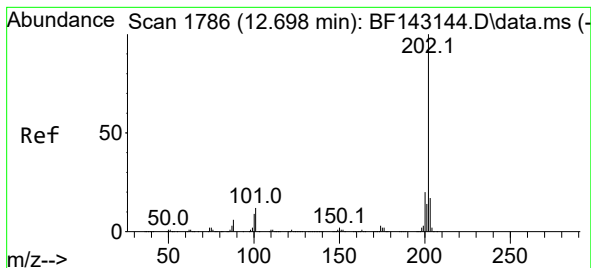
Tgt Ion:167 Resp: 551674
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.6
 139 12.8 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 46.225 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143257.D
 Acq: 25 Jul 2025 18:16

Tgt Ion:149 Resp: 631044
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 4.6 3.8 5.8





#75

Fluoranthene

Concen: 64.690 ng

RT: 12.704 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

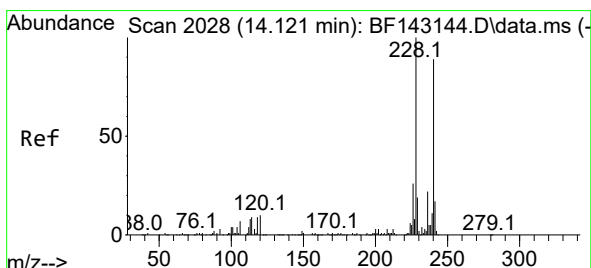
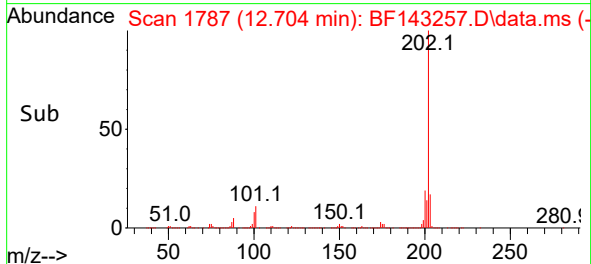
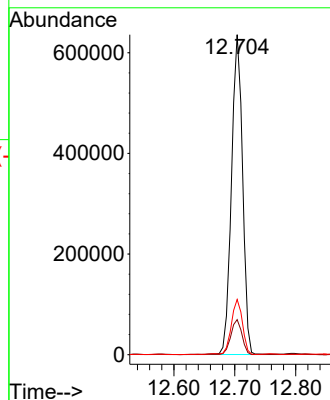
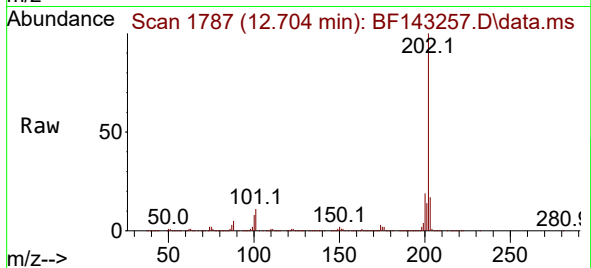
Tgt Ion:202 Resp: 804416

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.7

203 17.2 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2030

Delta R.T. 0.012 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

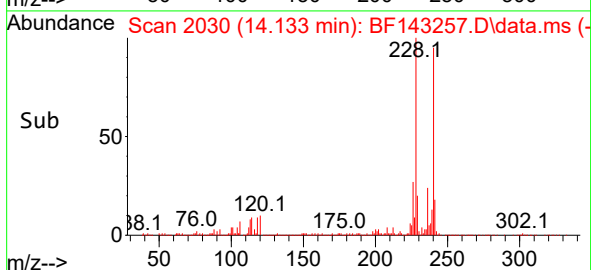
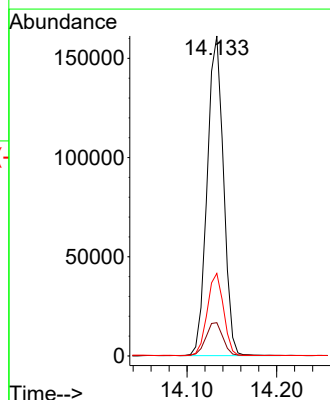
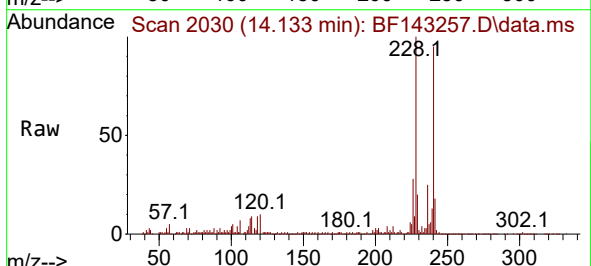
Tgt Ion:240 Resp: 202962

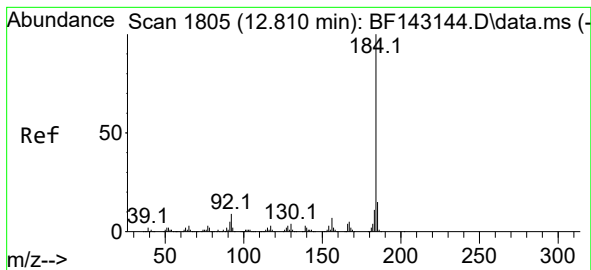
Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

236 25.8 20.2 30.4





#77

Benzidine

Concen: 32.830 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

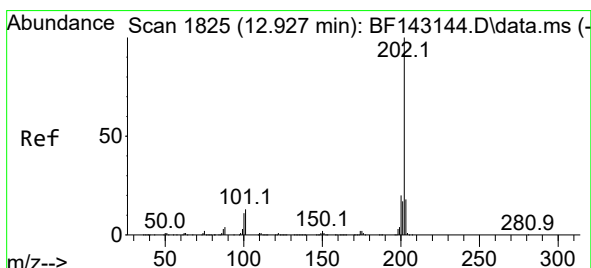
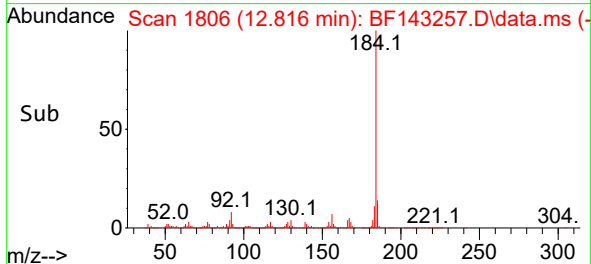
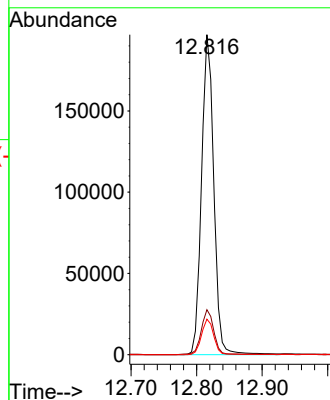
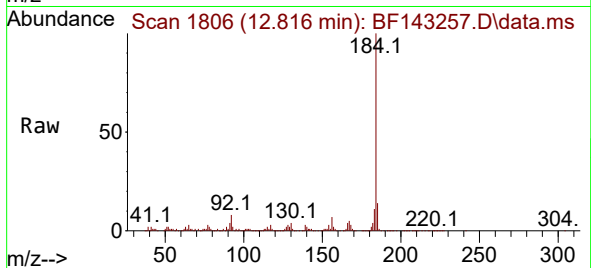
Tgt Ion:184 Resp: 256714

Ion Ratio Lower Upper

184 100

185 14.0 12.2 18.4

183 11.1 9.0 13.4



#78

Pyrene

Concen: 45.859 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

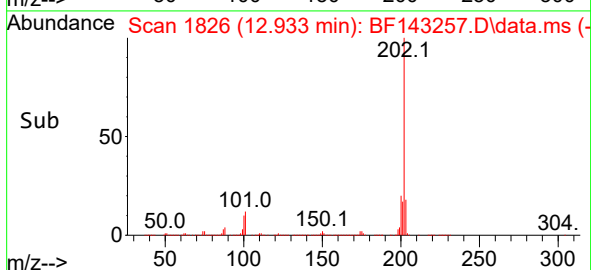
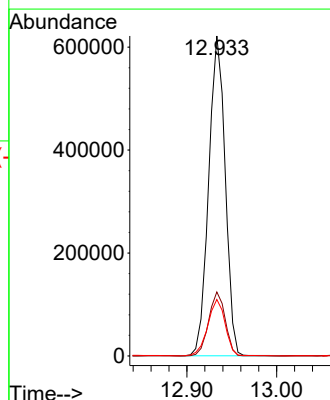
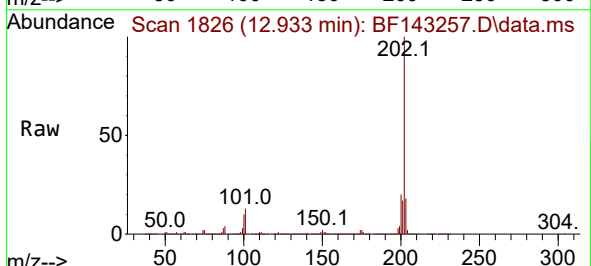
Tgt Ion:202 Resp: 794363

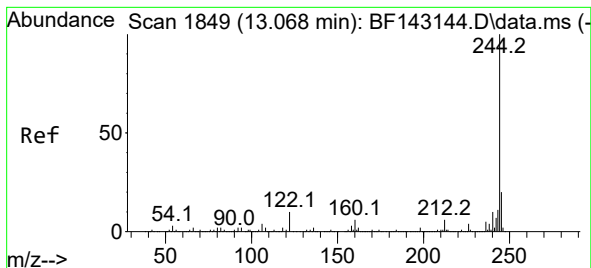
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 49.651 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

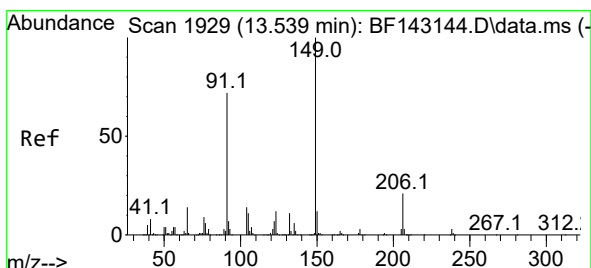
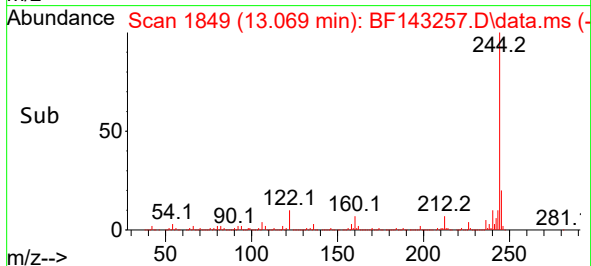
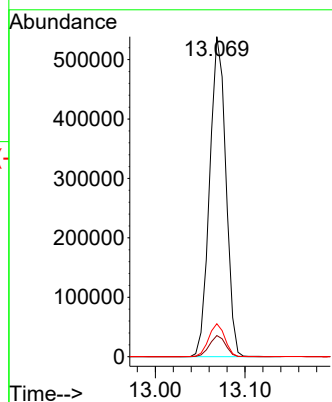
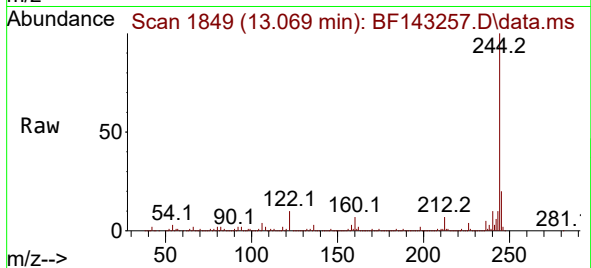
Tgt Ion:244 Resp: 677183

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.3 8.2 12.2



#80

Butylbenzylphthalate

Concen: 51.935 ng

RT: 13.545 min Scan# 1930

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

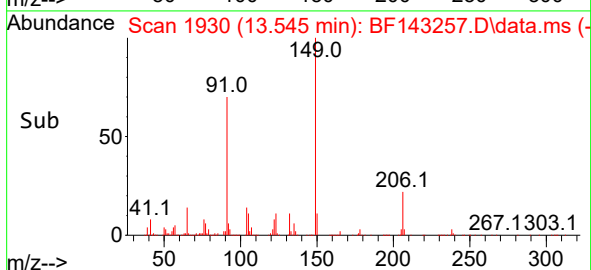
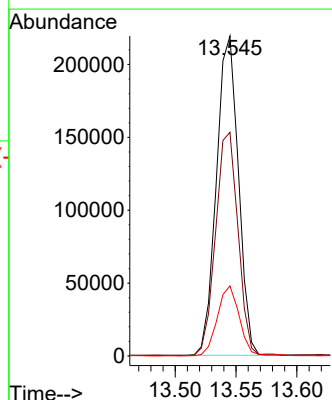
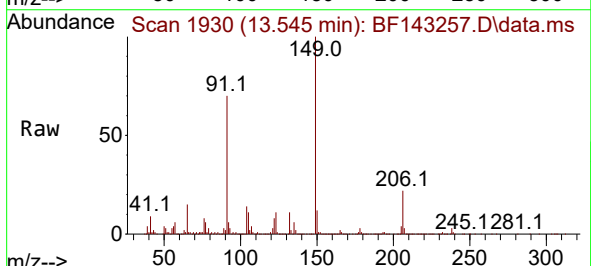
Tgt Ion:149 Resp: 275472

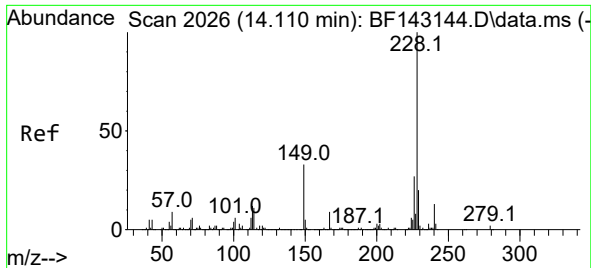
Ion Ratio Lower Upper

149 100

91 69.9 57.9 86.9

206 21.9 17.0 25.4

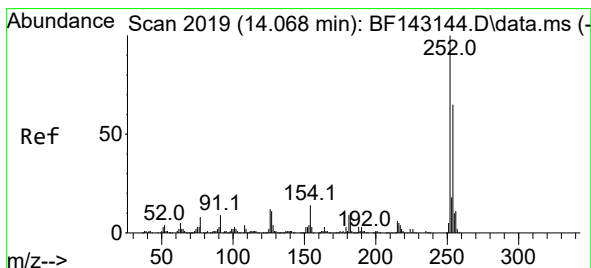
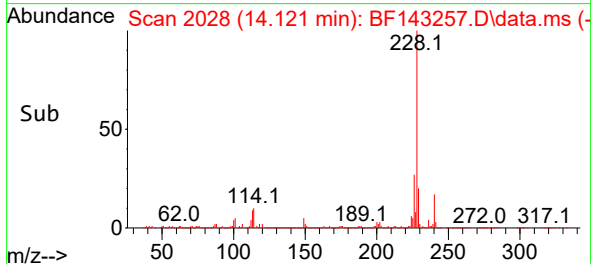
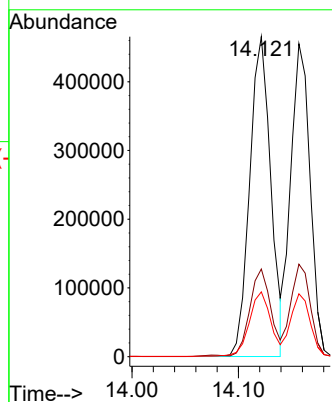
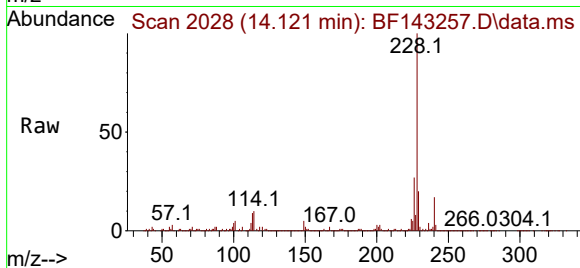




#81
Benzo(a)anthracene
Concen: 47.134 ng
RT: 14.121 min Scan# 2020
Delta R.T. 0.012 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

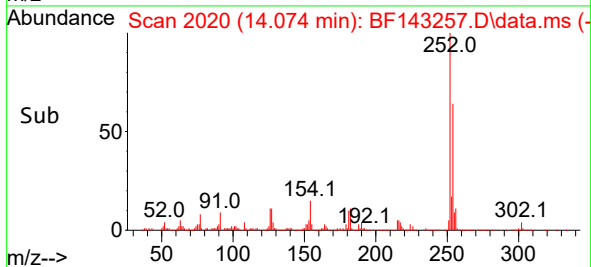
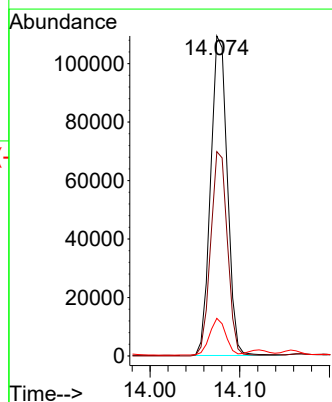
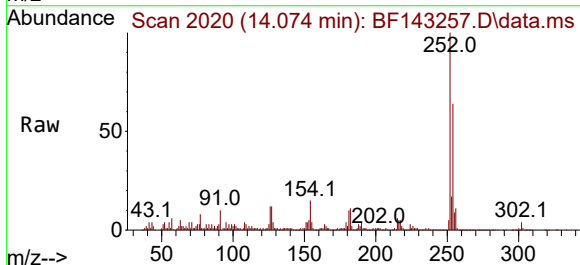
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

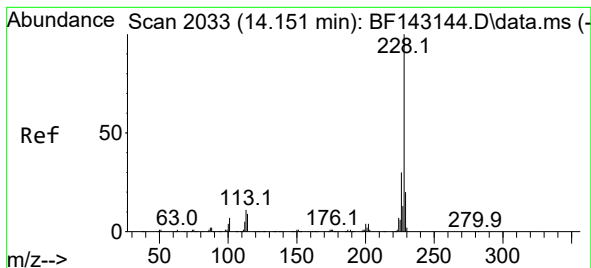
Tgt Ion:228 Resp: 640477
Ion Ratio Lower Upper
228 100
226 27.4 21.7 32.5
229 20.2 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 31.193 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:252 Resp: 141269
Ion Ratio Lower Upper
252 100
254 63.9 51.7 77.5
126 11.7 9.4 14.0





#83

Chrysene

Concen: 46.932 ng

RT: 14.157 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

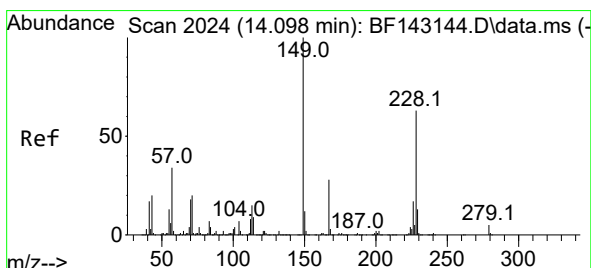
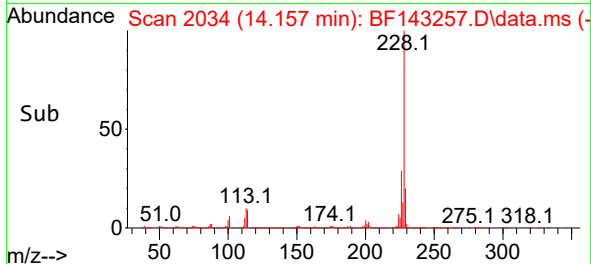
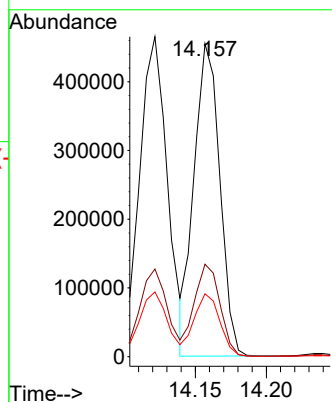
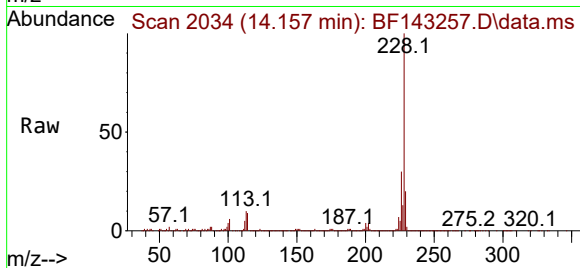
Tgt Ion:228 Resp: 573372

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.8

229 20.1 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.565 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

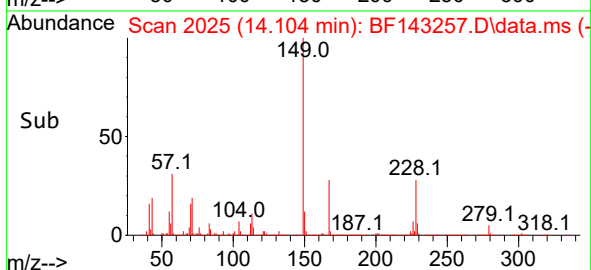
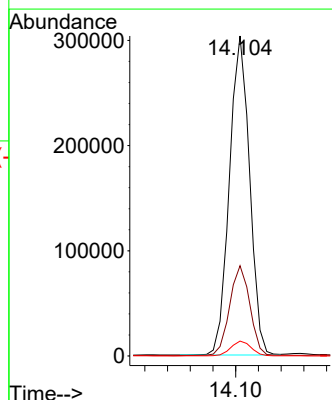
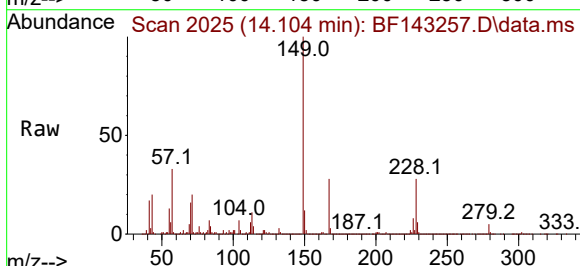
Tgt Ion:149 Resp: 373843

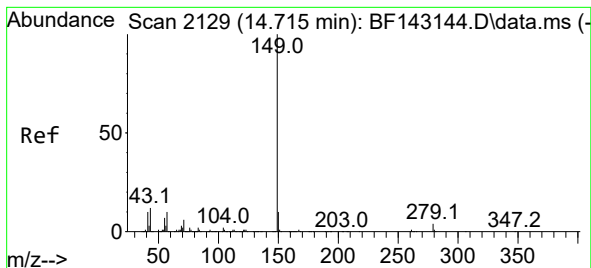
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.7 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 41.283 ng

RT: 14.721 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143257.D

Acq: 25 Jul 2025 18:16

Instrument :

BNA_F

ClientSampleId :

VNJ-251MSD

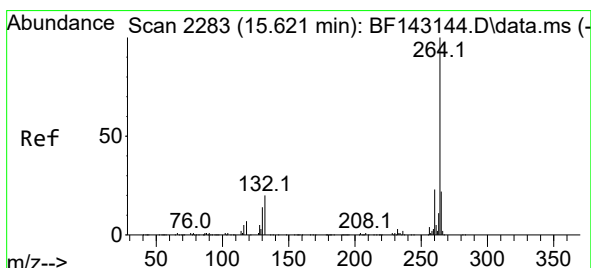
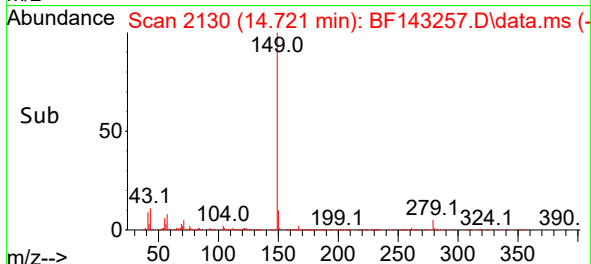
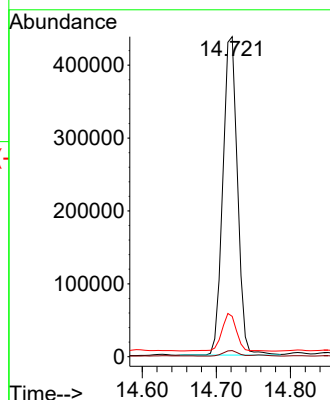
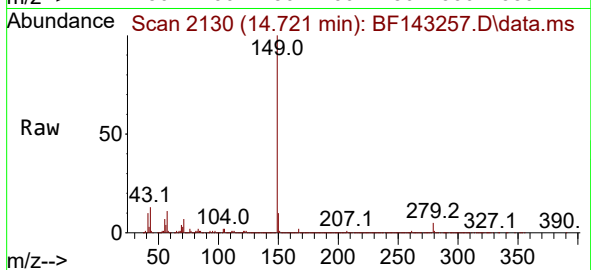
Tgt Ion:149 Resp: 600773

Ion Ratio Lower Upper

149 100

167 1.8 1.1 1.7#

43 11.6 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: BF143257.D

Acq: 25 Jul 2025 18:16

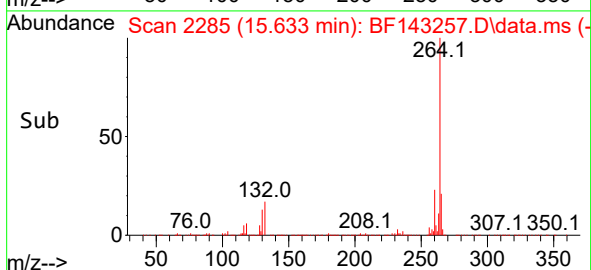
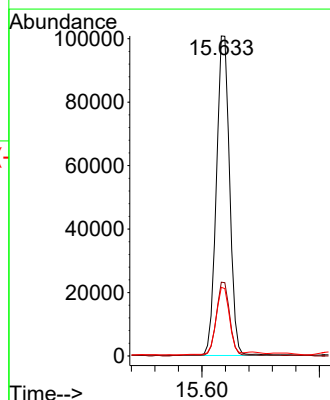
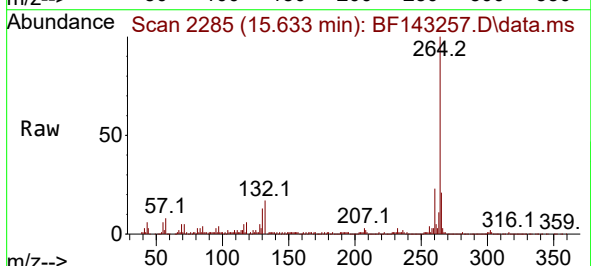
Tgt Ion:264 Resp: 157062

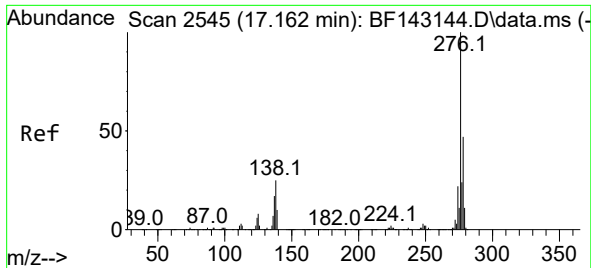
Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 21.5 17.4 26.2

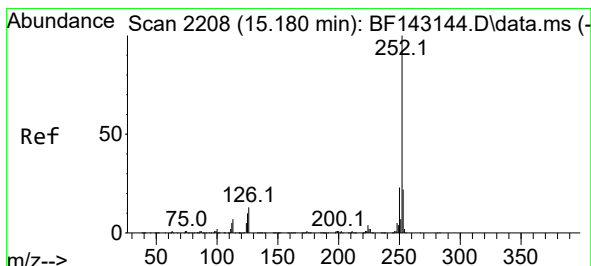
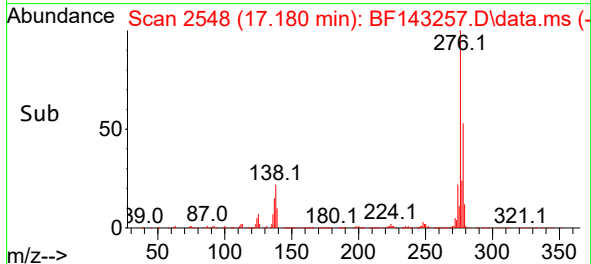
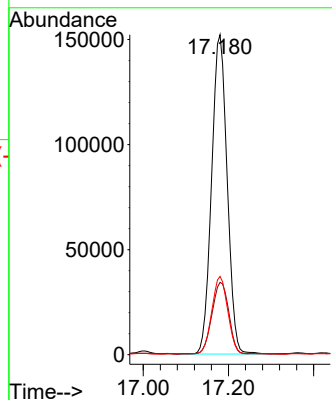
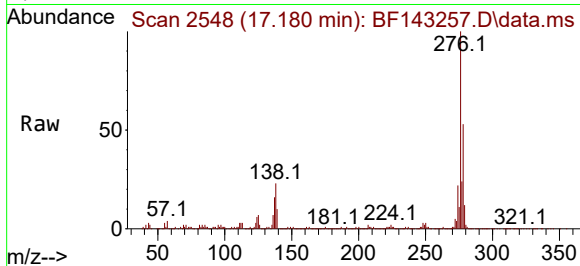




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 34.731 ng
 RT: 17.180 min Scan# 2110
 Delta R.T. 0.018 min
 Lab File: BF143257.D
 Acq: 25 Jul 2025 18:16

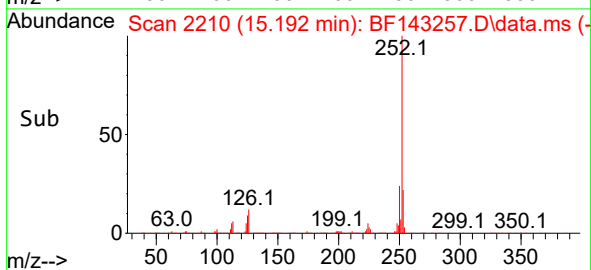
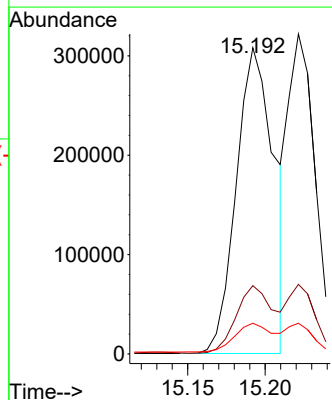
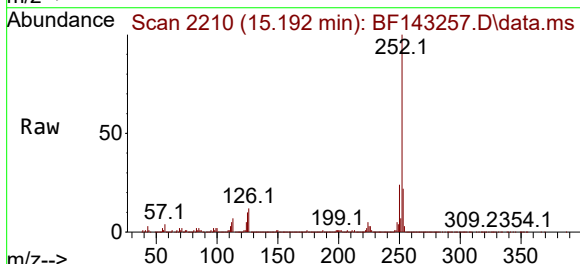
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-251MSD

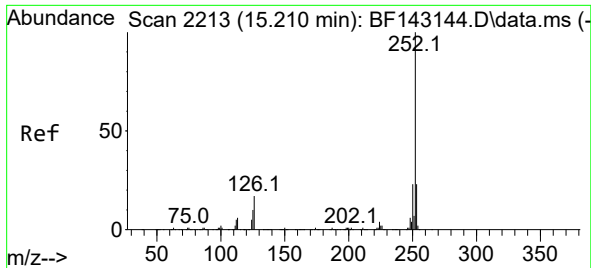
Tgt Ion:276 Resp: 384648
 Ion Ratio Lower Upper
 276 100
 138 24.1 21.8 32.6
 277 24.7 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 54.122 ng
 RT: 15.192 min Scan# 2210
 Delta R.T. 0.012 min
 Lab File: BF143257.D
 Acq: 25 Jul 2025 18:16

Tgt Ion:252 Resp: 519307
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.5 26.3
 125 10.0 8.0 12.0

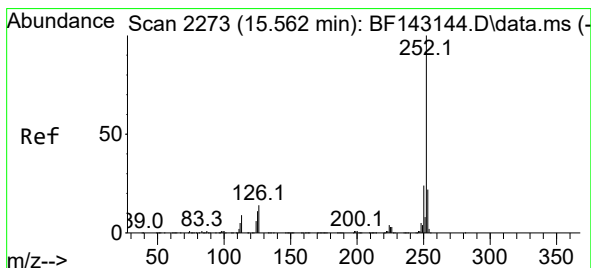
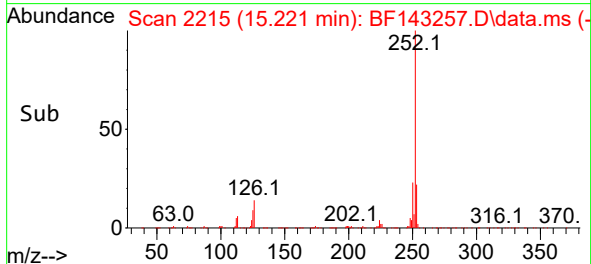
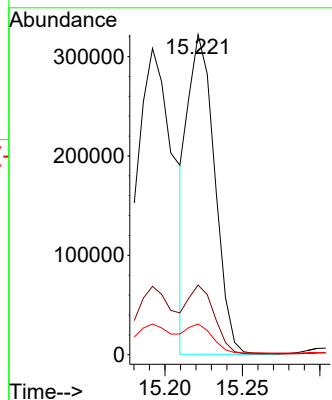
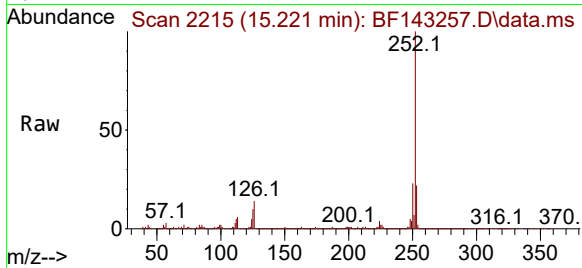




#89
Benzo(k)fluoranthene
Concen: 45.325 ng
RT: 15.221 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

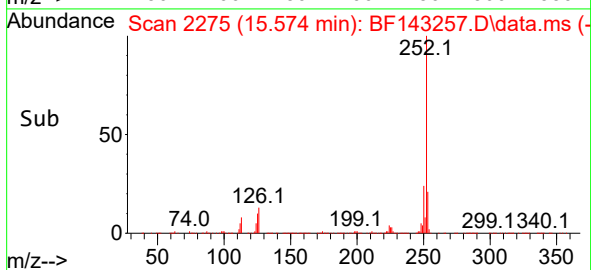
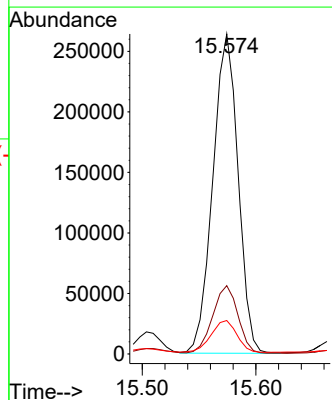
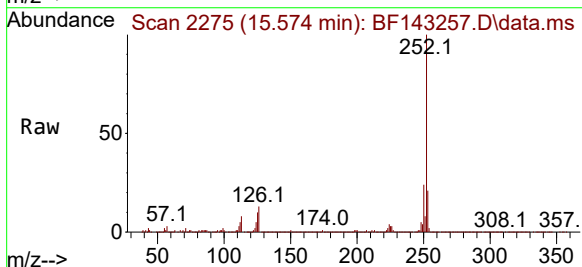
Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

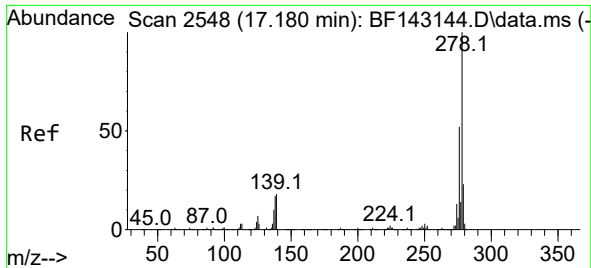
Tgt Ion:252 Resp: 388079
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 9.6 8.1 12.1



#90
Benzo(a)pyrene
Concen: 46.109 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:252 Resp: 407620
Ion Ratio Lower Upper
252 100
253 21.4 17.3 25.9
125 10.4 8.6 13.0

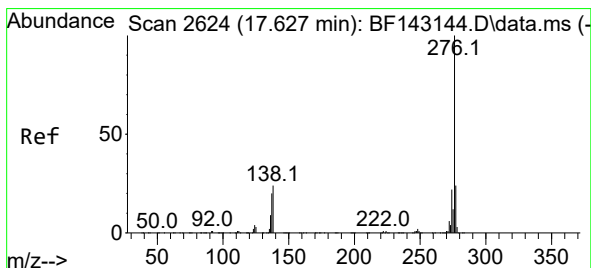
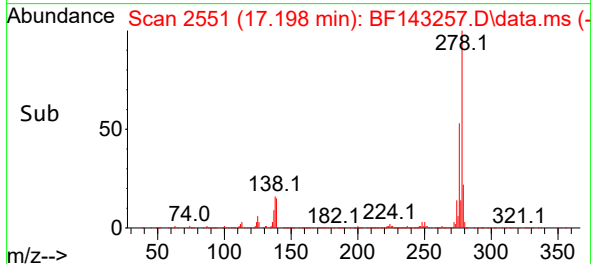
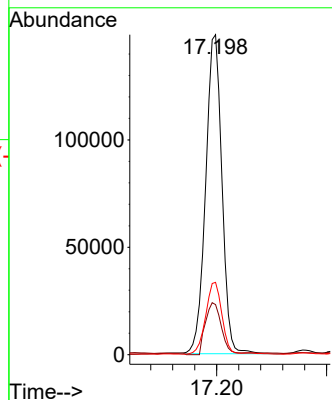
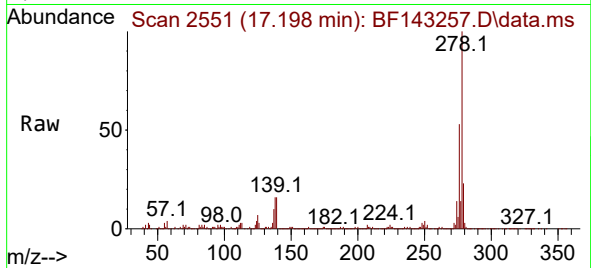




#91
Dibenzo(a,h)anthracene
Concen: 33.819 ng
RT: 17.198 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Instrument :
BNA_F
ClientSampleId :
VNJ-251MSD

Tgt Ion:278 Resp: 304854
Ion Ratio Lower Upper
278 100
139 15.7 14.1 21.1
279 22.6 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 34.297 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143257.D
Acq: 25 Jul 2025 18:16

Tgt Ion:276 Resp: 299060
Ion Ratio Lower Upper
276 100
277 23.4 19.1 28.7
138 21.6 18.9 28.3

