

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142375.D
 Acq On : 14 May 2025 19:39
 Operator : RC/JU
 Sample : Q2001-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-06-C

Quant Time: May 15 01:03:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

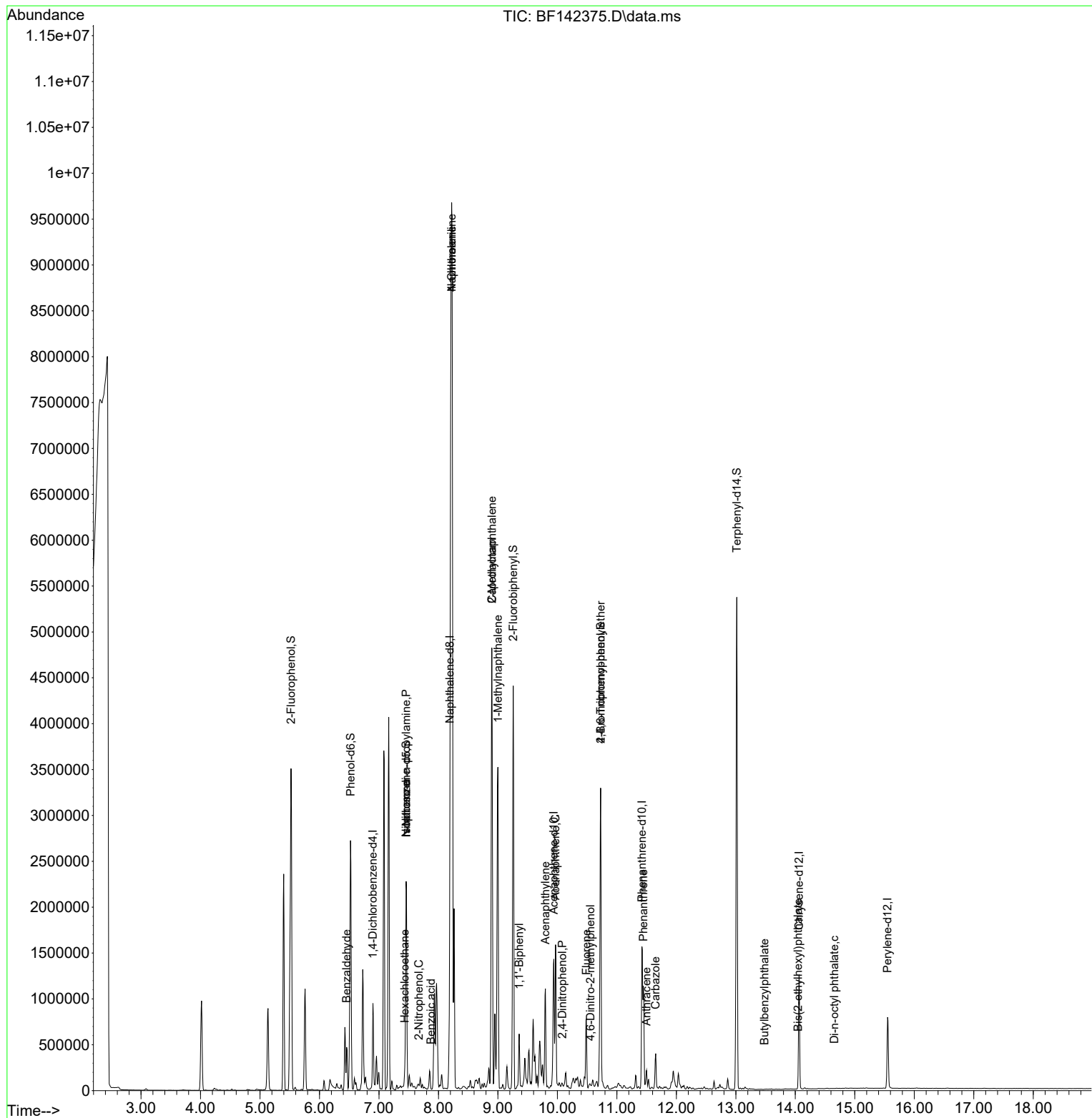
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	196619	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	643807	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	445636	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	829506	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	604563	20.000	ng	0.00
86) Perylene-d12	15.551	264	463034	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1205518	104.665	ng	0.01
7) Phenol-d6	6.522	99	1390811	98.179	ng	0.00
23) Nitrobenzene-d5	7.457	82	998252	94.563	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	656955	152.690	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2114810	67.666	ng	0.00
79) Terphenyl-d14	13.015	244	2831552	69.323	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	24022	2.897	ng	# 1
18) Hexachloroethane	7.433	117	27163	5.774	ng	# 1
19) n-Nitroso-di-n-propyla...	7.457	70	135630	15.478	ng	# 76
25) Isophorone	7.457	82	866812	43.362	ng	# 62
26) 2-Nitrophenol	7.669	139	200	4.126	ng	# 1
31) Naphthalene	8.222	128	10609886	340.032	ng	# 93
32) Benzoic acid	7.875	122	3263	6.634	ng	91
33) 4-Chloroaniline	8.222	127	1632703	128.234	ng	# 33
35) Caprolactam	8.898	113	41293	16.582	ng	# 1
37) 2-Methylnaphthalene	8.898	142	2074928	107.017	ng	97
38) 1-Methylnaphthalene	8.998	142	1425255	70.528	ng	99
46) 1,1'-Biphenyl	9.357	154	269112	7.876	ng	99
49) Acenaphthylene	9.798	152	596663	14.036	ng	99
52) Acenaphthene	9.969	154	488582	19.115	ng	98
54) 2,4-Dinitrophenol	10.080	184	453	7.808	ng	# 1
58) Fluorene	10.486	166	362146	12.580	ng	96
65) 4,6-Dinitro-2-methylph...	10.557	198	199	7.229	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	39009	4.149	ng	# 1
71) Phenanthrene	11.445	178	581318	13.370	ng	99
72) Anthracene	11.498	178	96151	2.152	ng	99
73) Carbazole	11.651	167	214918	5.362	ng	99
80) Butylbenzylphthalate	13.480	149	373	3.681	ng	# 6
84) Bis(2-ethylhexyl)phtha...	14.045	149	1813	4.318	ng	# 96
85) Di-n-octyl phthalate	14.657	149	482	7.851	ng	# 1

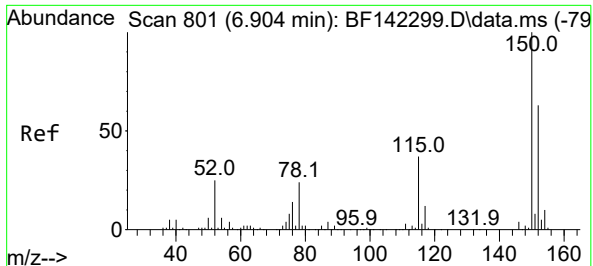
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142375.D
Acq On : 14 May 2025 19:39
Operator : RC/JU
Sample : Q2001-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

Quant Time: May 15 01:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

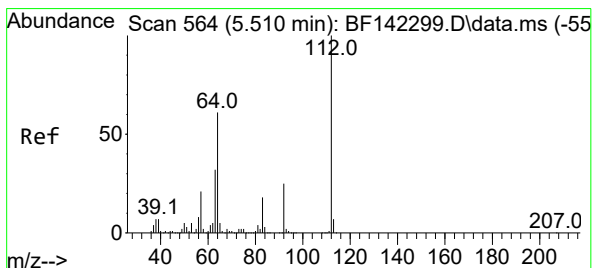
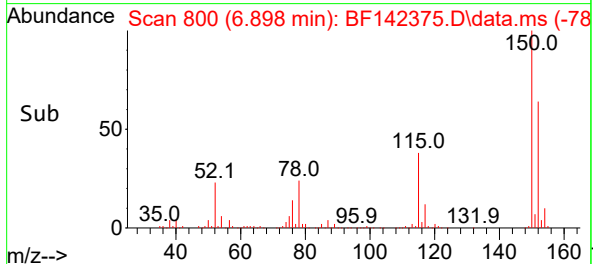
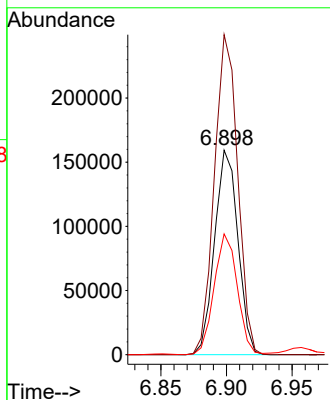
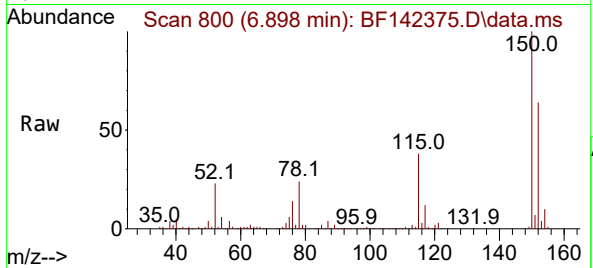




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

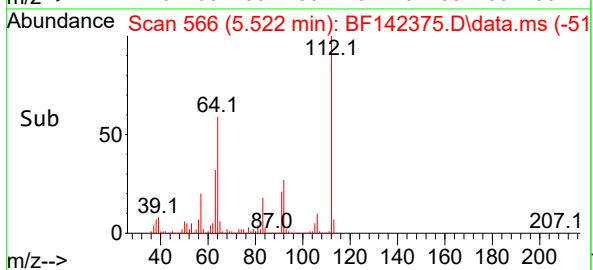
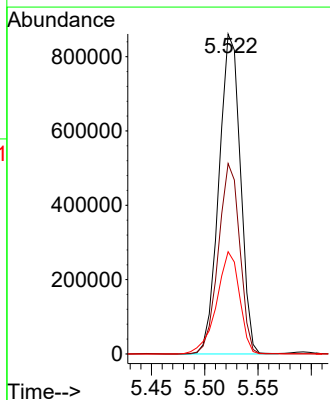
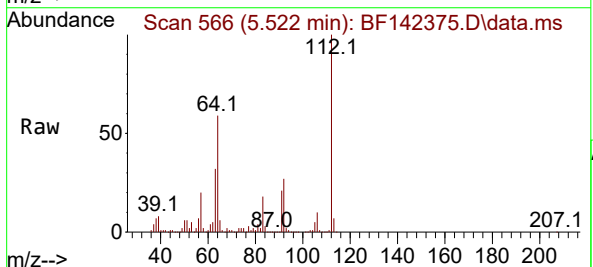
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

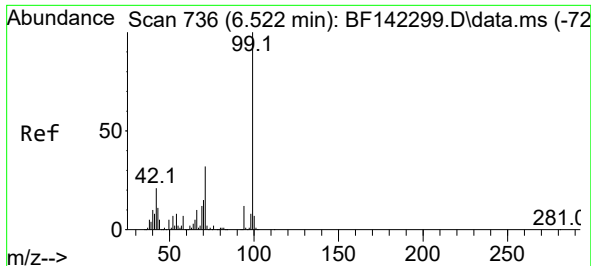
Tgt Ion:152 Resp: 196619
Ion Ratio Lower Upper
152 100
150 156.4 126.6 190.0
115 59.1 47.3 70.9



#5
2-Fluorophenol
Concen: 104.665 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:112 Resp: 1205518
Ion Ratio Lower Upper
112 100
64 59.5 48.9 73.3
63 31.9 25.6 38.4

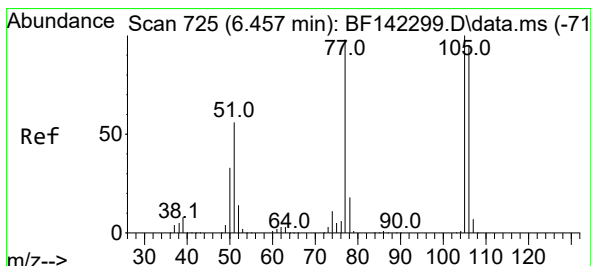
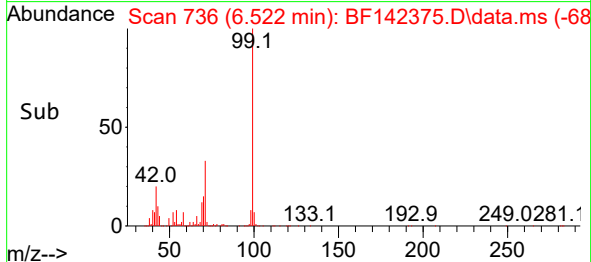
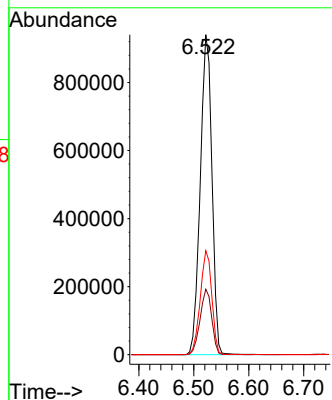
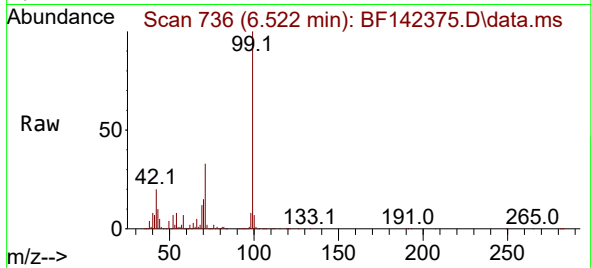




#7
Phenol-d6
Concen: 98.179 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

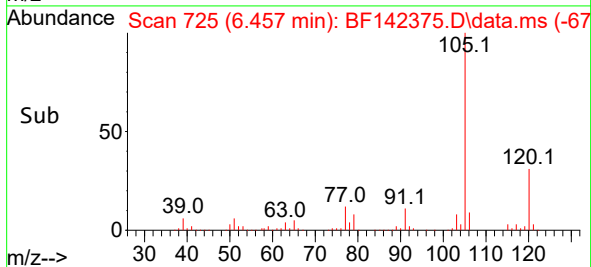
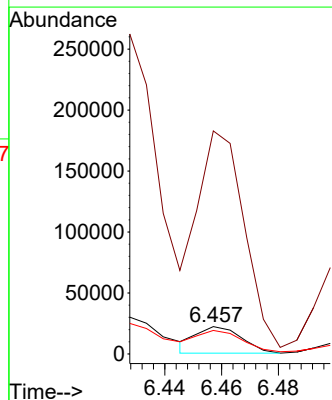
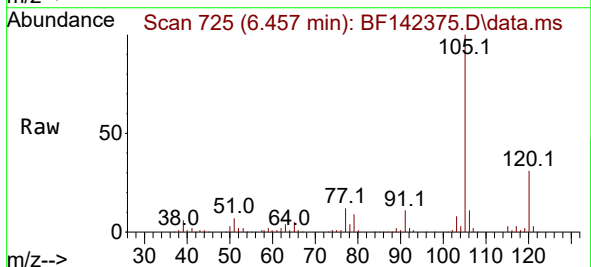
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

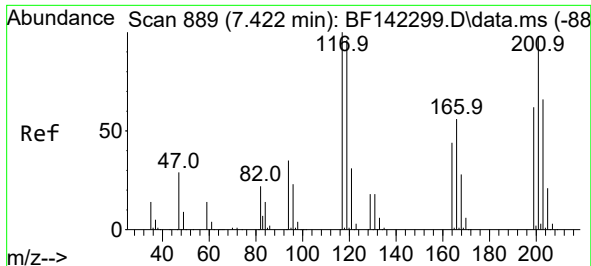
Tgt Ion: 99 Resp: 1390811
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.4
71 32.5 25.8 38.8



#9
Benzaldehyde
Concen: 2.897 ng
RT: 6.457 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion: 77 Resp: 24022
Ion Ratio Lower Upper
77 100
105 814.5 82.0 122.0#
106 85.7 77.2 117.2

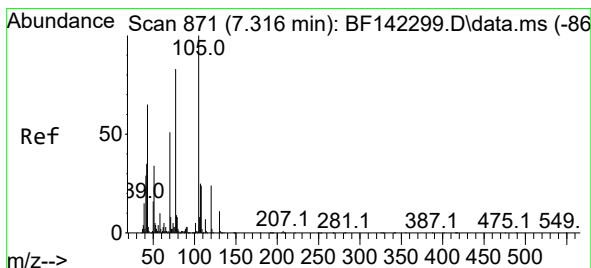
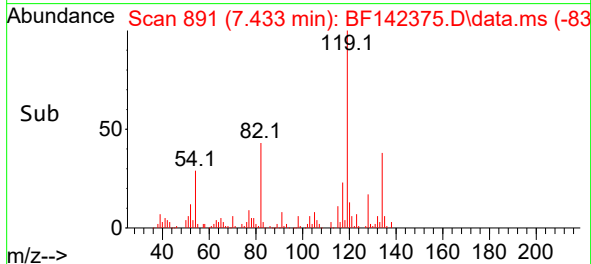
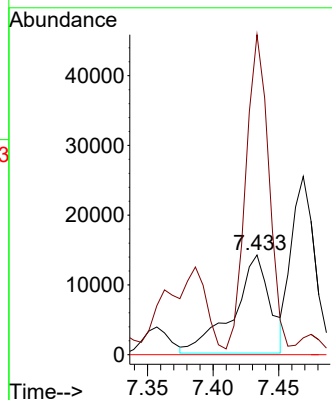
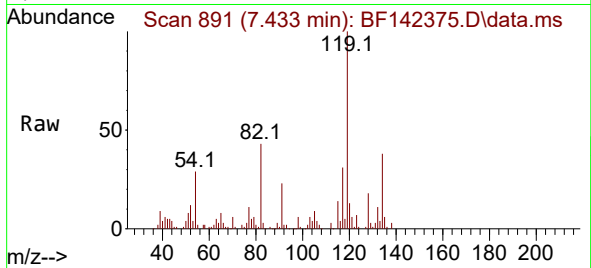




#18
Hexachloroethane
Concen: 5.774 ng
RT: 7.433 min Scan# 891
Delta R.T. 0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

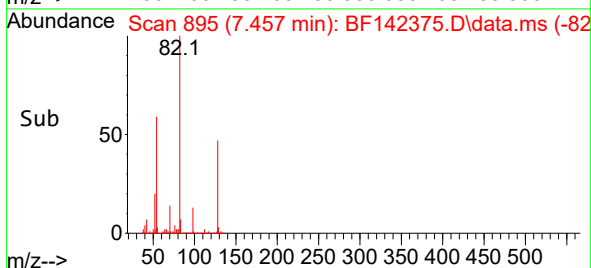
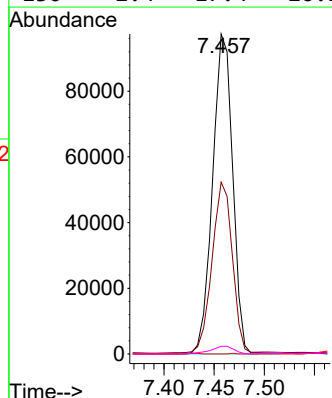
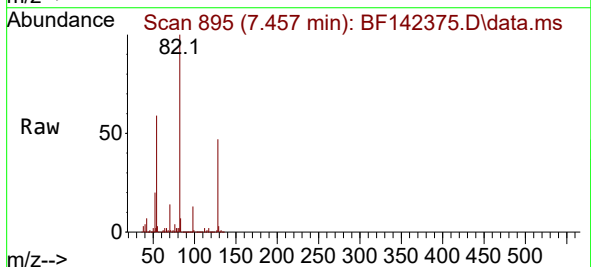
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

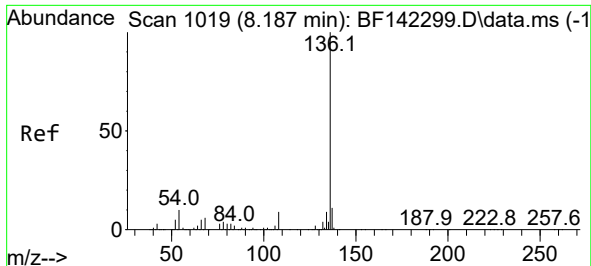
Tgt Ion:117 Resp: 27163
Ion Ratio Lower Upper
117 100
119 321.2 76.9 115.3#
201 0.0 78.0 117.0#



#19
n-Nitroso-di-n-propylamine
Concen: 15.478 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion: 70 Resp: 135630
Ion Ratio Lower Upper
70 100
42 53.7 54.8 82.2#
101 0.0 7.7 11.5#
130 2.4 17.4 26.2#

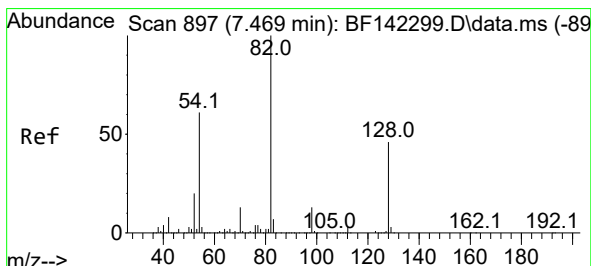
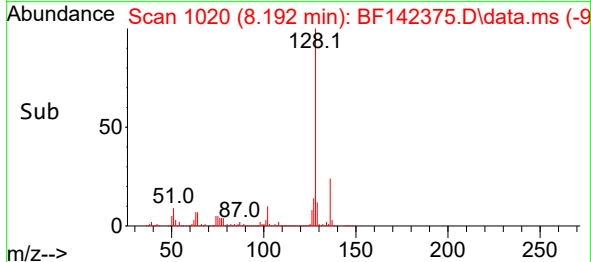
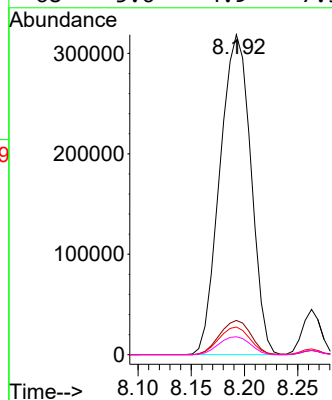
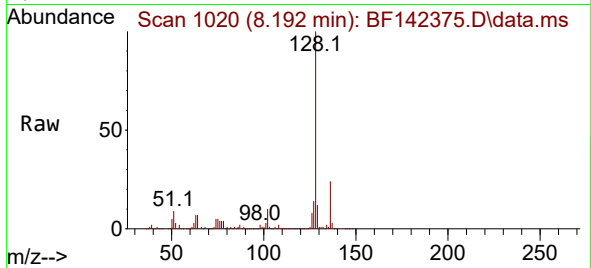




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

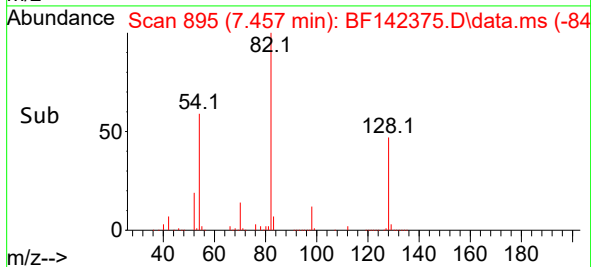
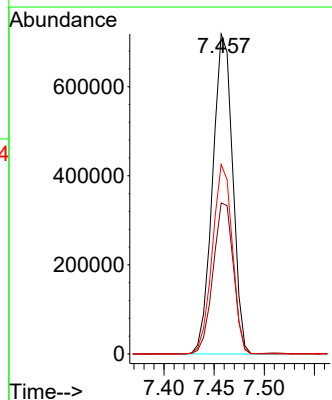
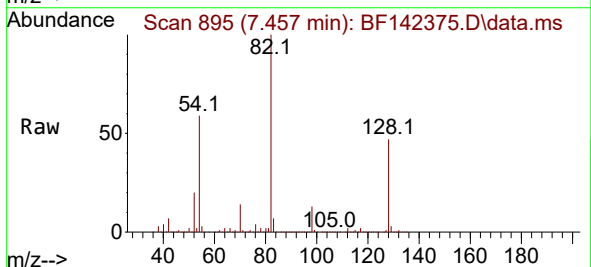
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

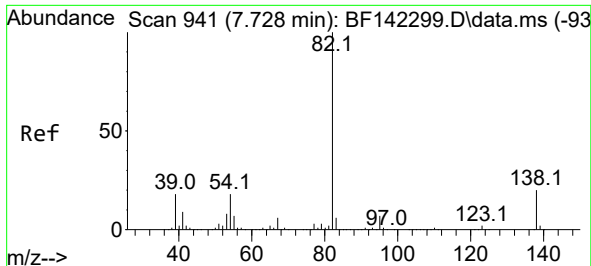
Tgt Ion:	136	Resp:	643807
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.6	7.7	11.5
68	5.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 94.563 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:	82	Resp:	998252
Ion Ratio	Lower	Upper	
82	100		
128	47.2	37.0	55.6
54	59.2	48.6	73.0

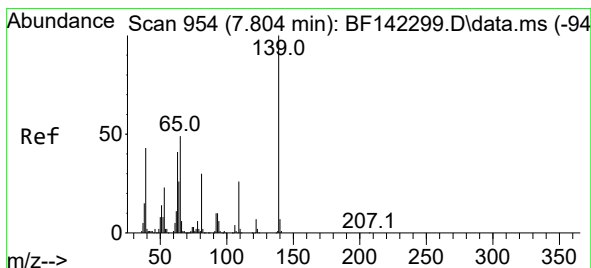
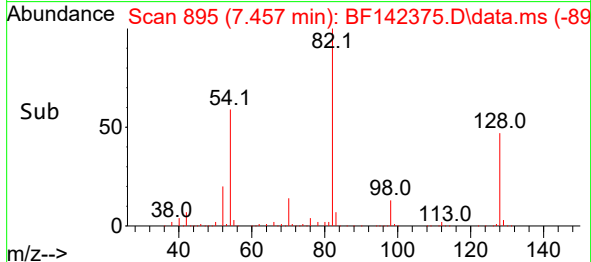
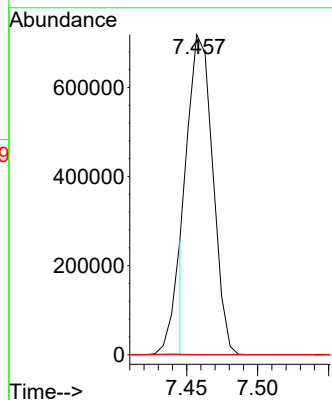
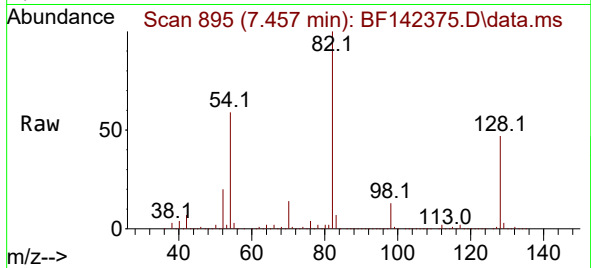




#25
Isophorone
Concen: 43.362 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

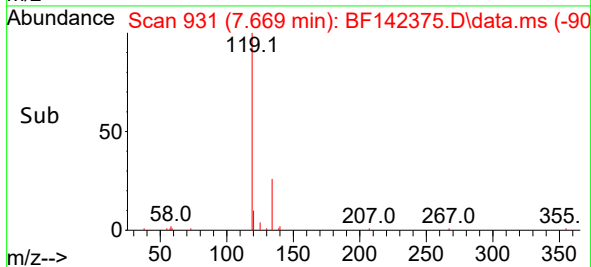
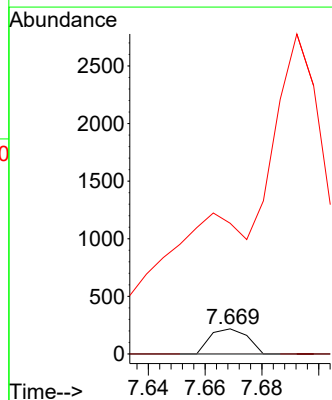
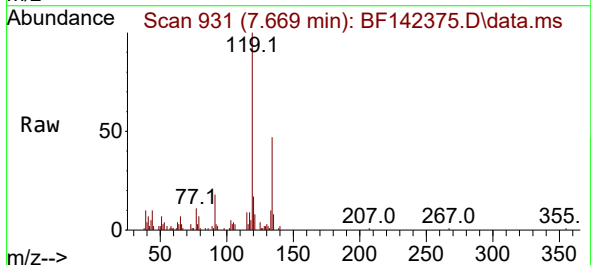
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

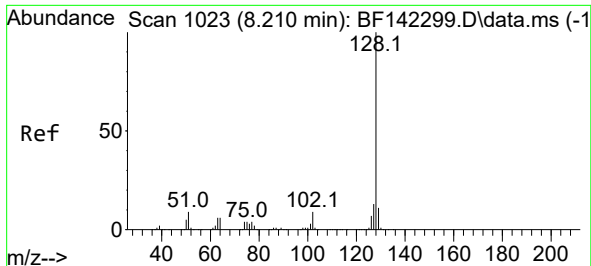
Tgt Ion: 82 Resp: 866812
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.126 ng
RT: 7.669 min Scan# 931
Delta R.T. -0.135 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:139 Resp: 200
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 520.6 38.9 58.3#

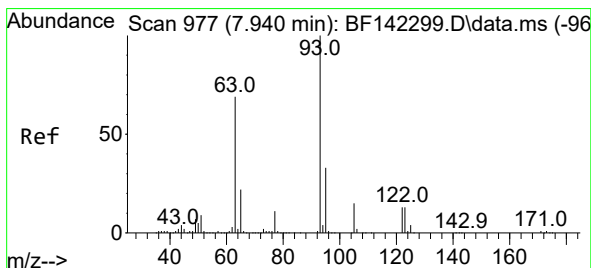
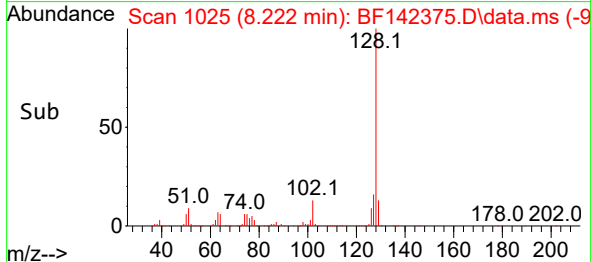
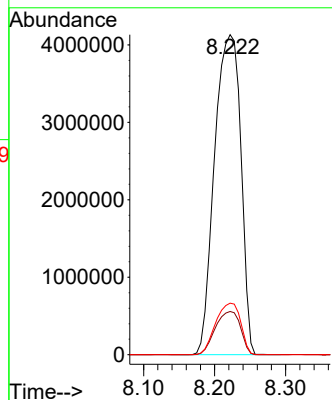
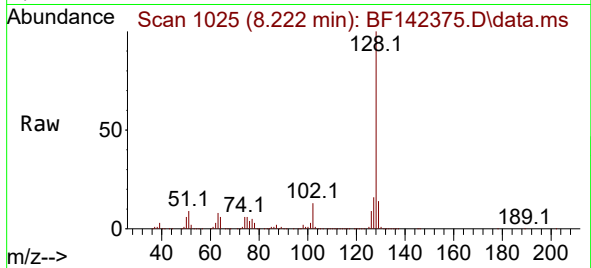




#31
Naphthalene
Concen: 340.032 ng
RT: 8.222 min Scan# 1025
Delta R.T. 0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

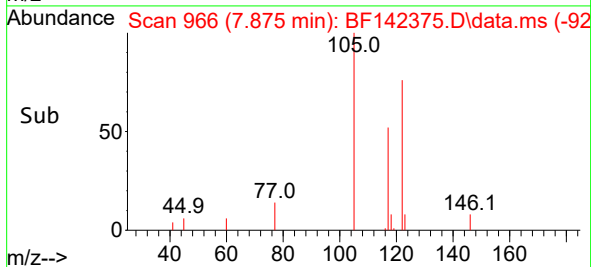
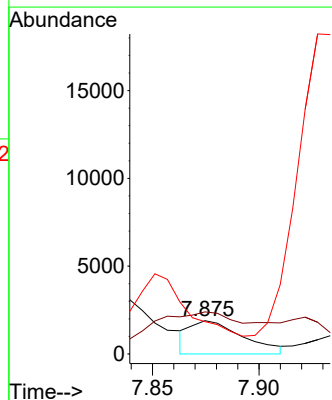
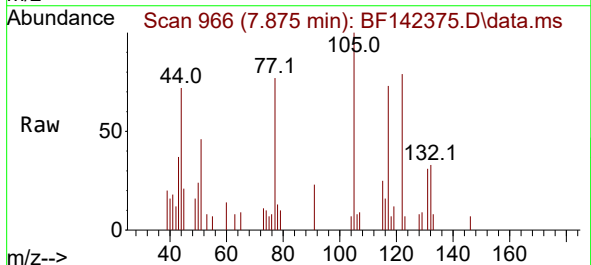
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

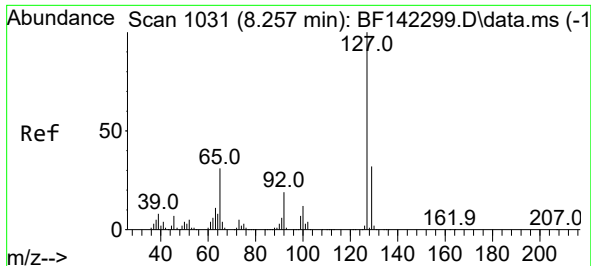
Tgt Ion:128 Resp:10609886
Ion Ratio Lower Upper
128 100
129 13.5 9.1 13.7
127 16.1 10.5 15.7#



#32
Benzoic acid
Concen: 6.634 ng
RT: 7.875 min Scan# 966
Delta R.T. -0.065 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:122 Resp: 3263
Ion Ratio Lower Upper
122 100
105 126.7 97.9 137.9
77 97.4 67.7 107.7

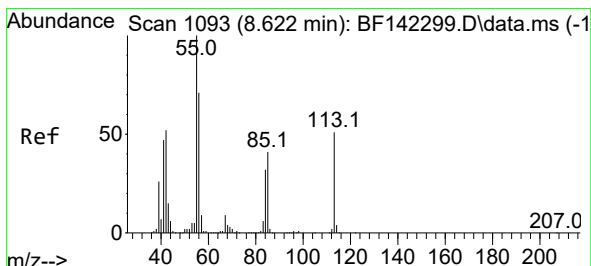
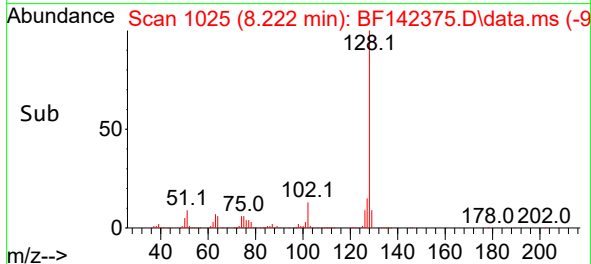
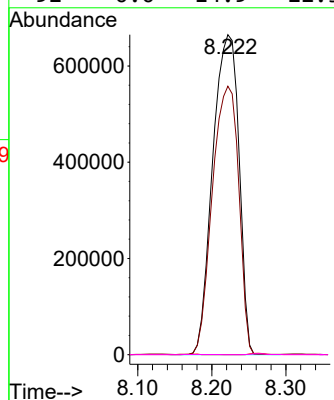
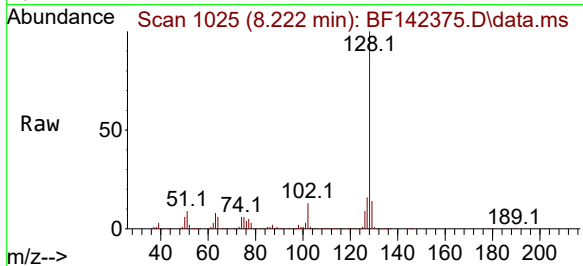




#33
4-Chloroaniline
Concen: 128.234 ng
RT: 8.222 min Scan# 1140
Delta R.T. -0.045 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

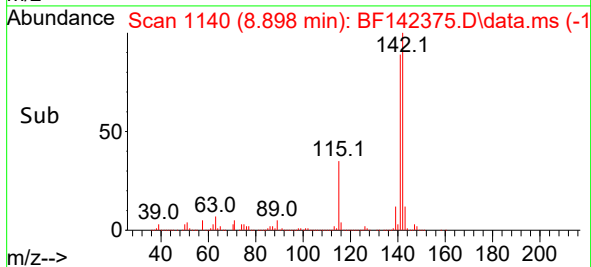
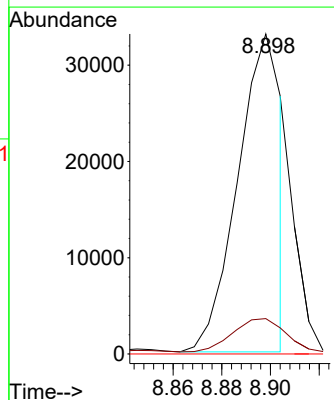
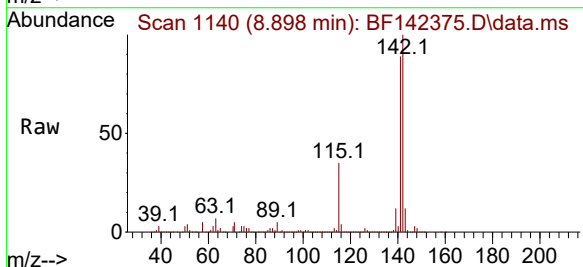
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

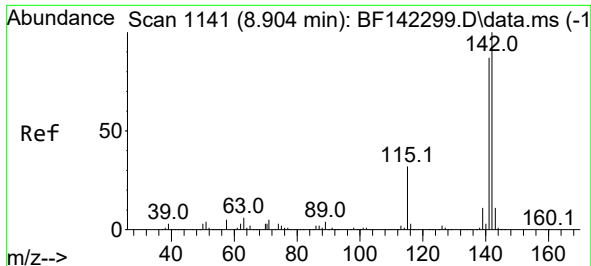
Tgt Ion:127 Resp: 1632703
Ion Ratio Lower Upper
127 100
129 83.9 25.7 38.5#
65 0.0 24.9 37.3#
92 0.0 14.9 22.3#



#35
Caprolactam
Concen: 16.582 ng
RT: 8.898 min Scan# 1140
Delta R.T. 0.276 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:113 Resp: 41293
Ion Ratio Lower Upper
113 100
55 11.0 176.4 216.4#
56 0.0 120.3 160.3#

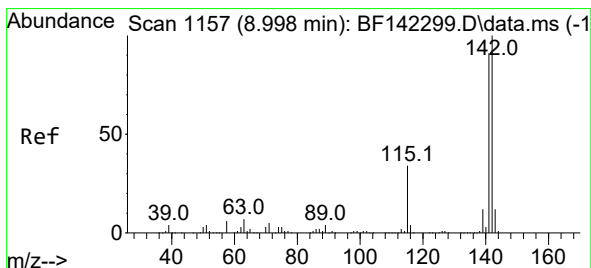
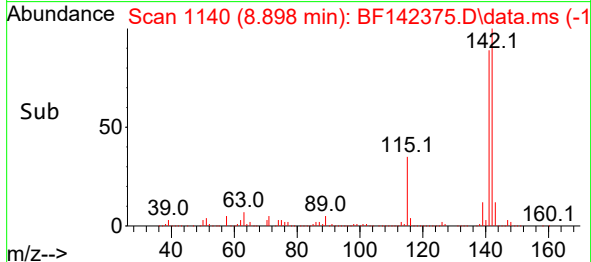
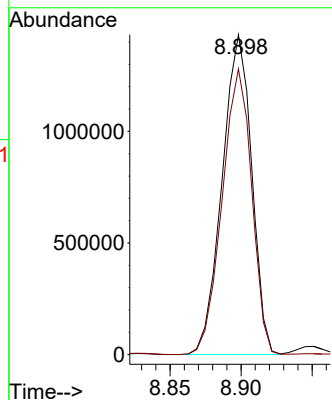
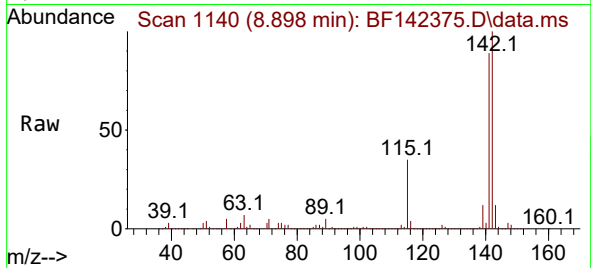




#37
2-Methylnaphthalene
Concen: 107.017 ng
RT: 8.898 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

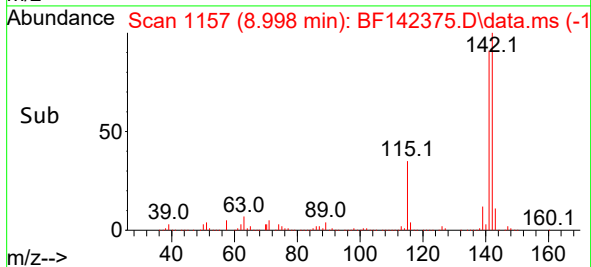
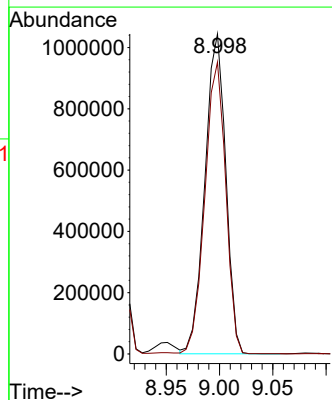
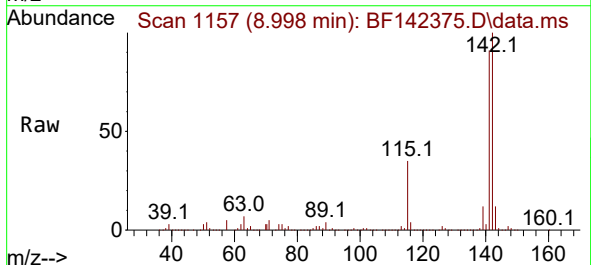
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

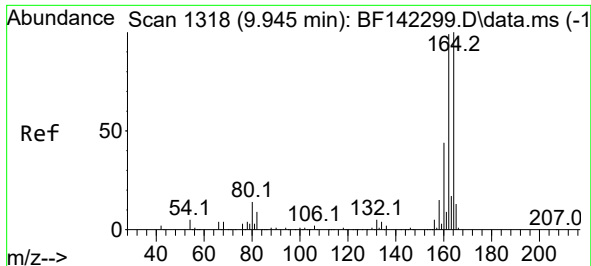
Tgt Ion:142 Resp: 2074928
Ion Ratio Lower Upper
142 100
141 89.3 69.4 104.2



#38
1-Methylnaphthalene
Concen: 70.528 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:142 Resp: 1425255
Ion Ratio Lower Upper
142 100
141 91.2 72.5 108.7

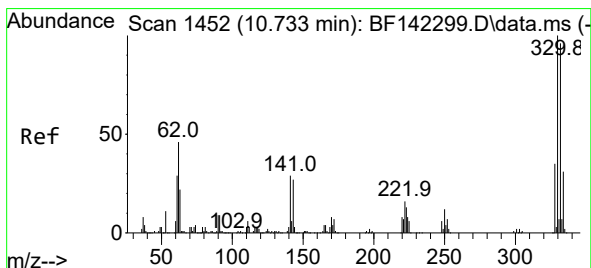
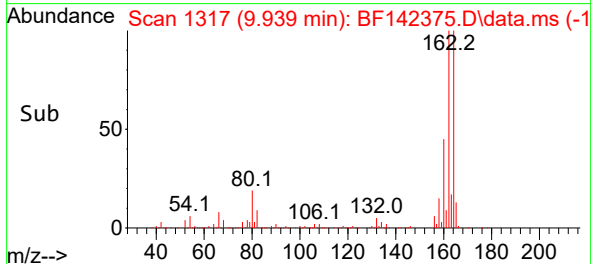
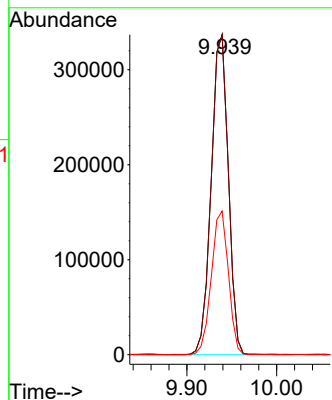
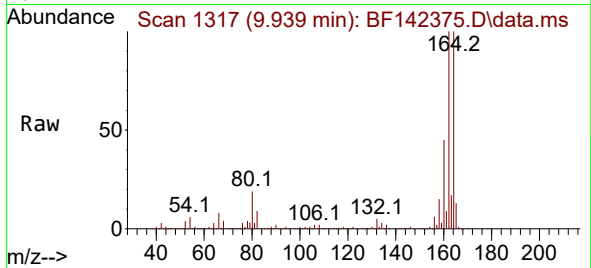




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

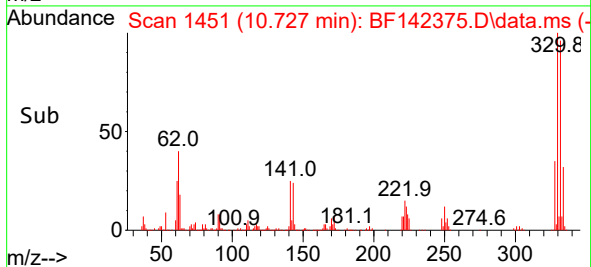
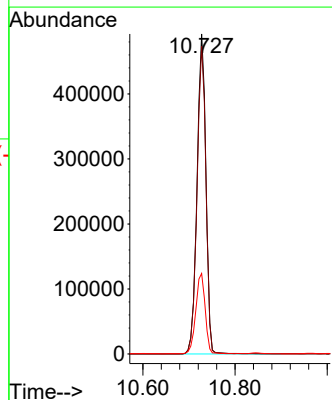
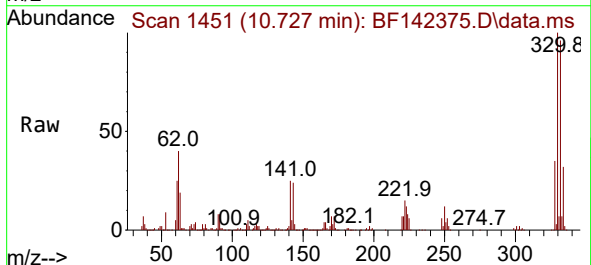
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

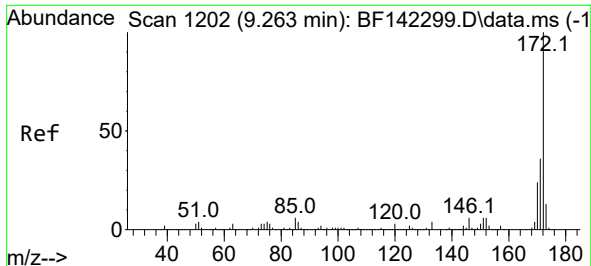
Tgt Ion:164 Resp: 445636
Ion Ratio Lower Upper
164 100
162 100.0 79.2 118.8
160 44.9 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 152.690 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:330 Resp: 656955
Ion Ratio Lower Upper
330 100
332 96.4 76.8 115.2
141 26.5 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 67.666 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

Instrument :

BNA_F

ClientSampleId :

WC-A1-06-C

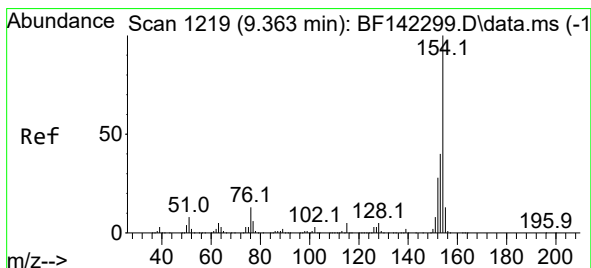
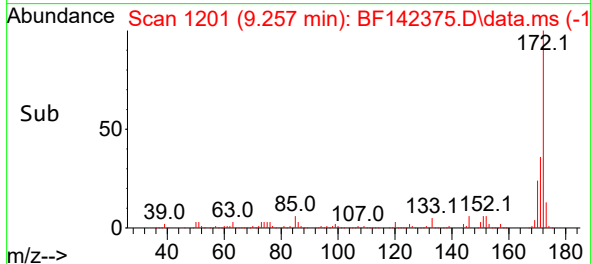
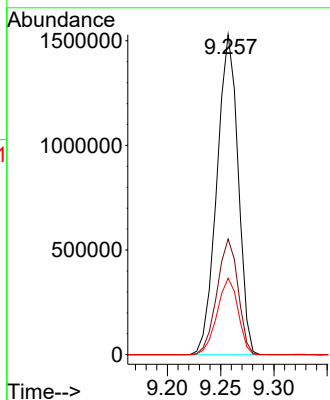
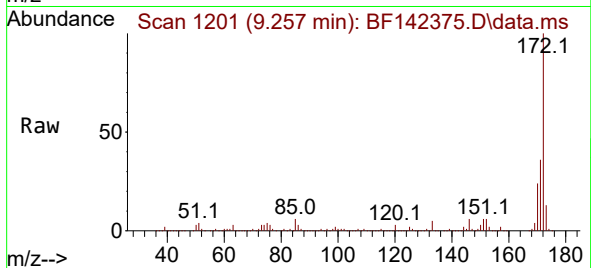
Tgt Ion:172 Resp: 2114810

Ion Ratio Lower Upper

172 100

171 36.1 28.6 42.8

170 23.9 19.0 28.4



#46

1,1'-Biphenyl

Concen: 7.876 ng

RT: 9.357 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

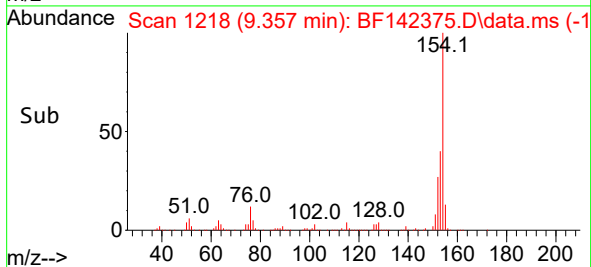
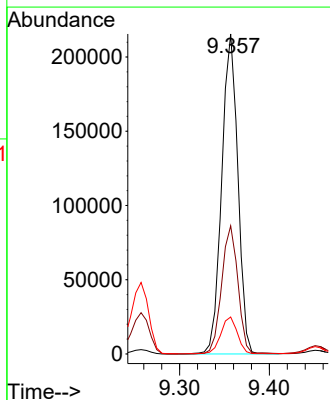
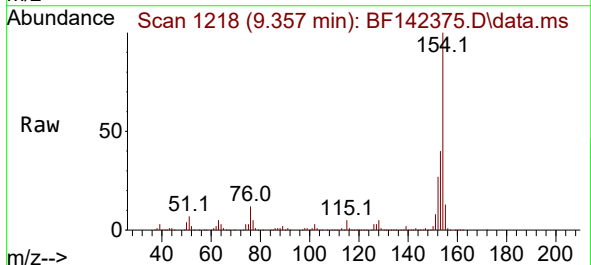
Tgt Ion:154 Resp: 269112

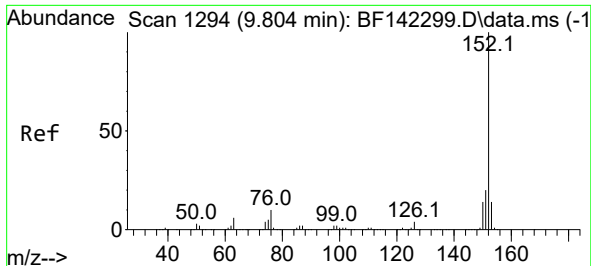
Ion Ratio Lower Upper

154 100

153 40.1 20.5 60.5

76 11.6 0.0 32.8

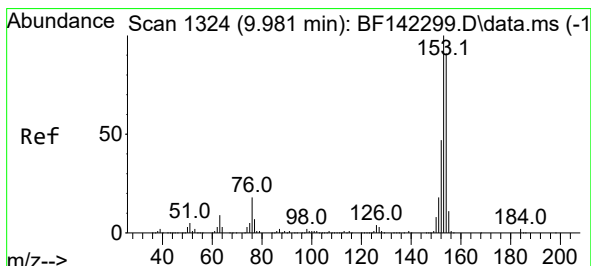
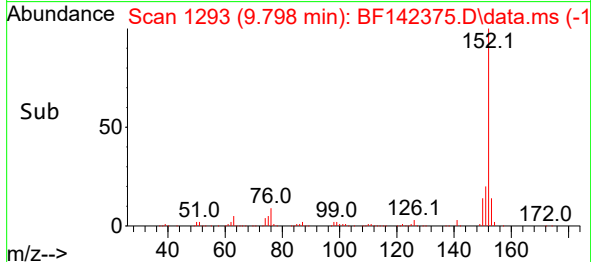
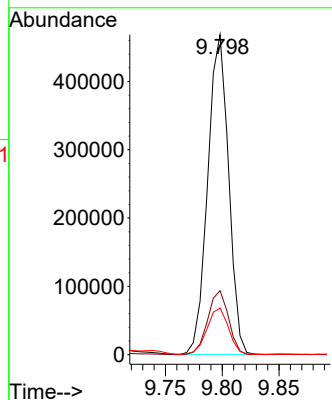
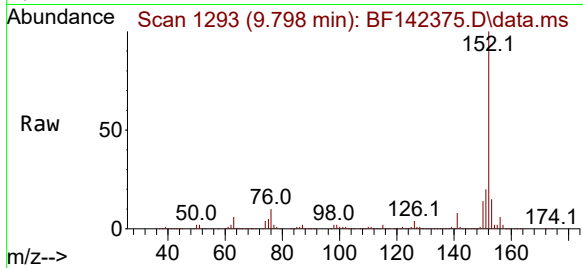




#49
Acenaphthylene
Concen: 14.036 ng
RT: 9.798 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

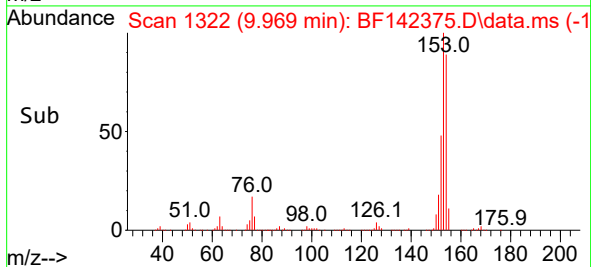
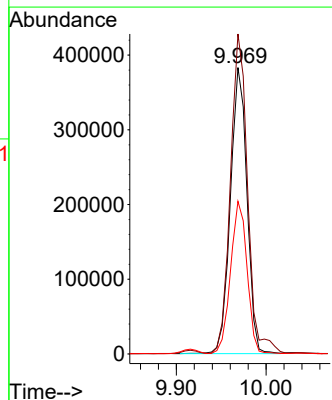
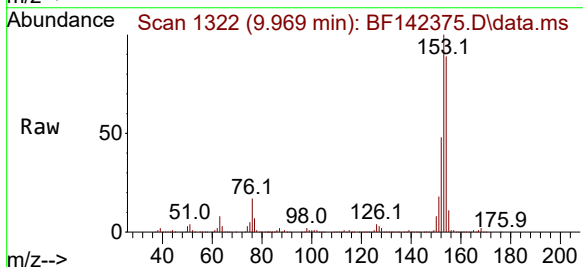
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

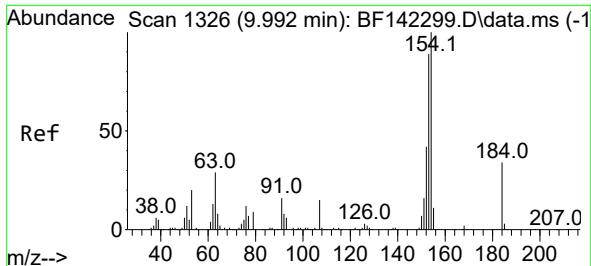
Tgt Ion:152 Resp: 596663
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 14.6 10.8 16.2



#52
Acenaphthene
Concen: 19.115 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:154 Resp: 488582
Ion Ratio Lower Upper
154 100
153 111.7 88.0 132.0
152 53.3 41.6 62.4

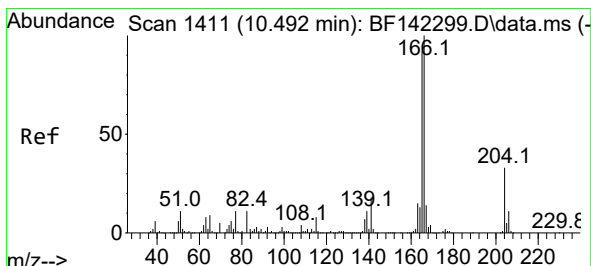
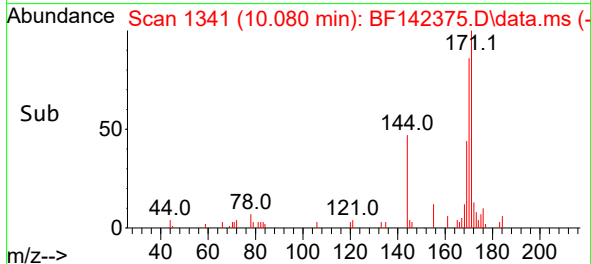
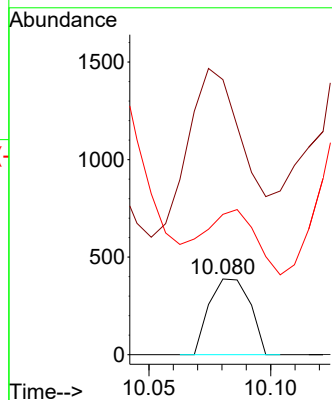
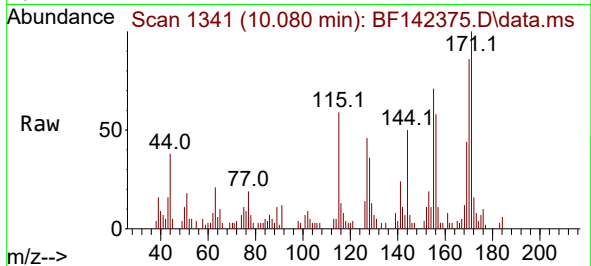




#54
2,4-Dinitrophenol
Concen: 7.808 ng
RT: 10.080 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

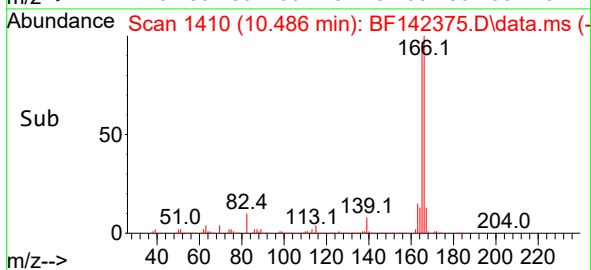
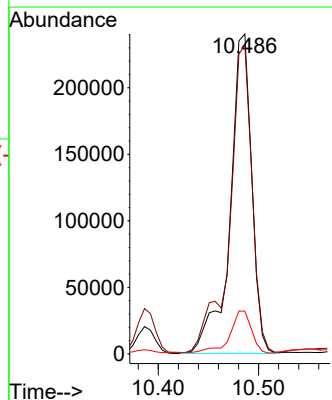
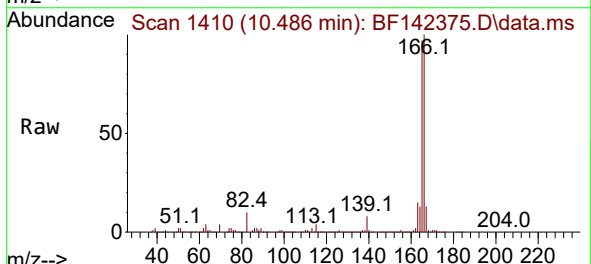
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

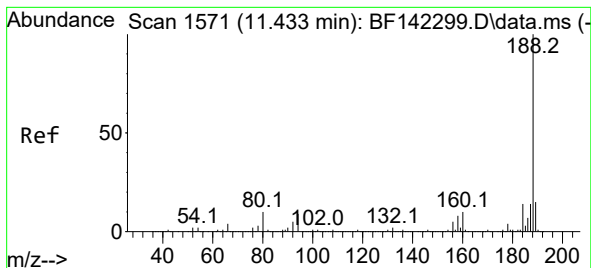
Tgt Ion:184 Resp: 453
Ion Ratio Lower Upper
184 100
63 363.4 70.6 105.8#
154 185.3 257.2 385.8#



#58
Fluorene
Concen: 12.580 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:166 Resp: 362146
Ion Ratio Lower Upper
166 100
165 96.7 74.0 111.0
167 13.4 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

Instrument :

BNA_F

ClientSampleId :

WC-A1-06-C

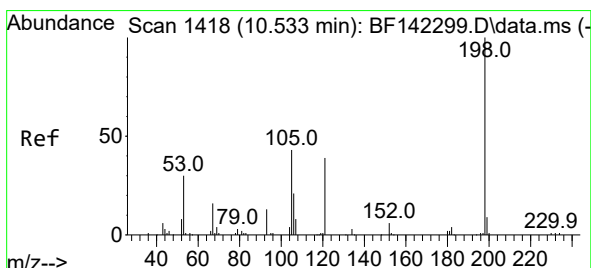
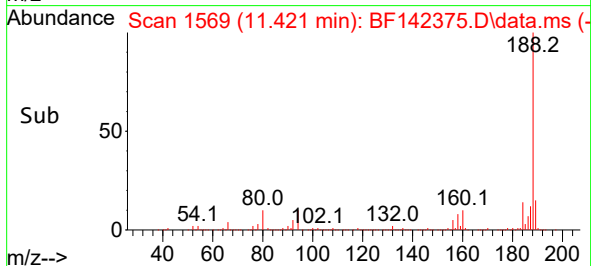
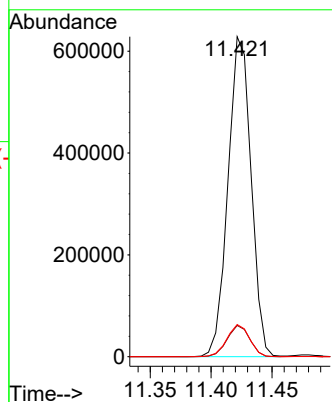
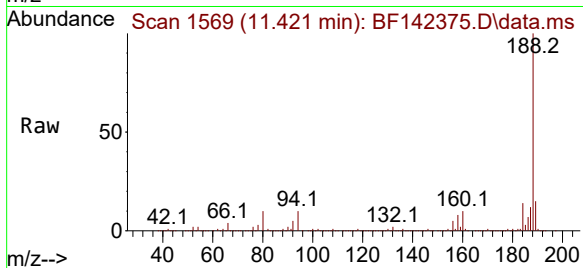
Tgt Ion:188 Resp: 829506

Ion Ratio Lower Upper

188 100

94 9.7 7.5 11.3

80 10.1 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.229 ng

RT: 10.557 min Scan# 1422

Delta R.T. 0.024 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

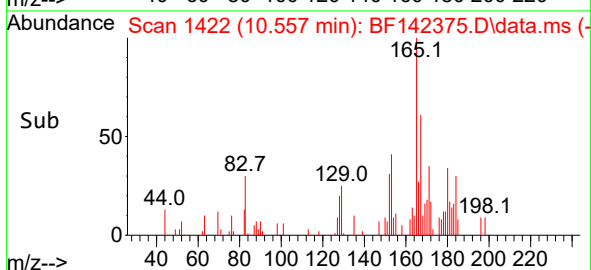
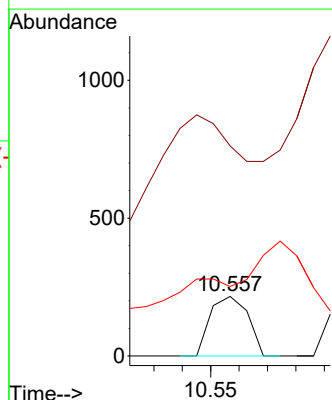
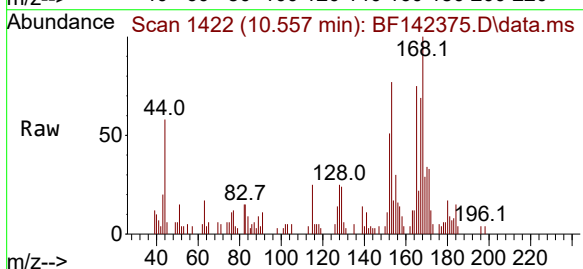
Tgt Ion:198 Resp: 199

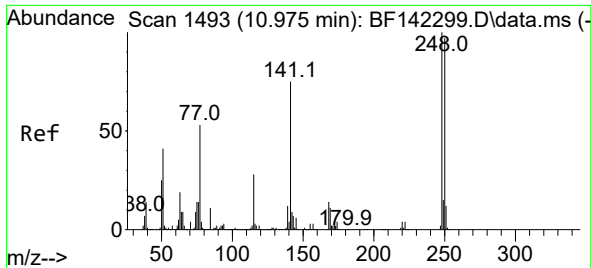
Ion Ratio Lower Upper

198 100

51 352.8 32.9 72.9#

105 116.7 23.7 63.7#

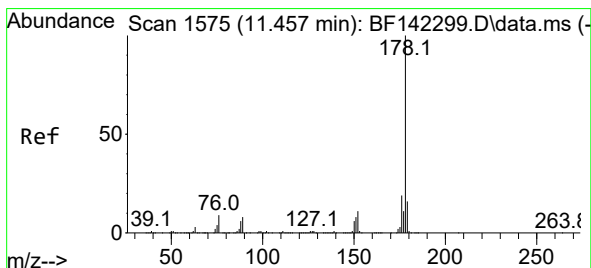
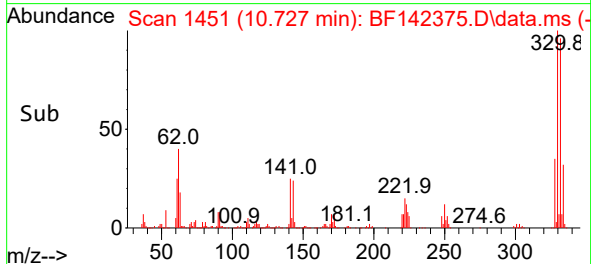
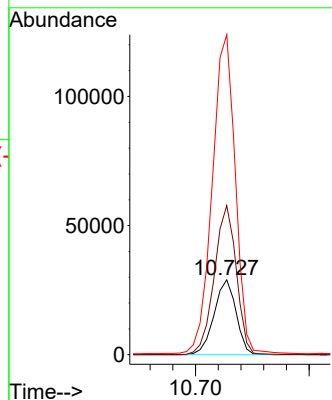
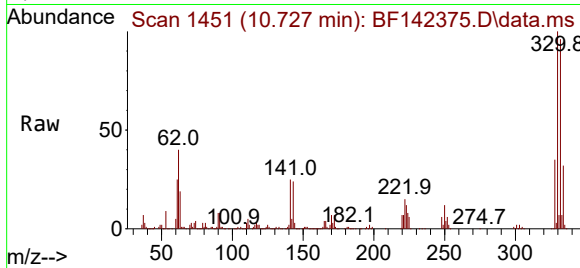




#67
4-Bromophenyl-phenylether
Concen: 4.149 ng
RT: 10.727 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

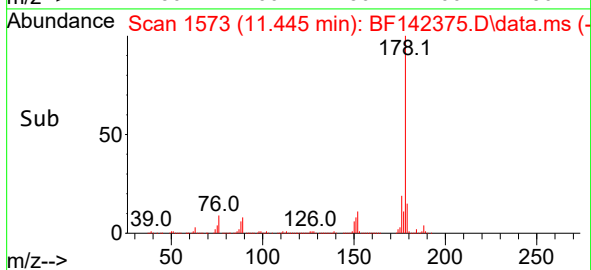
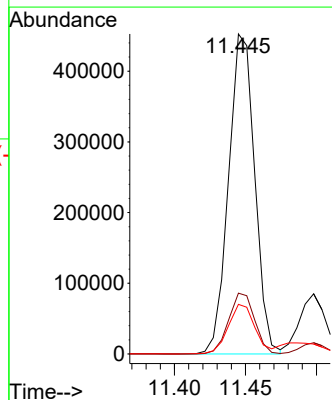
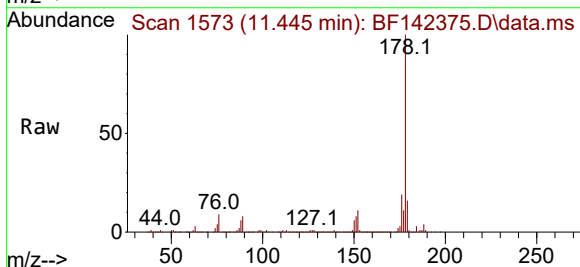
Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

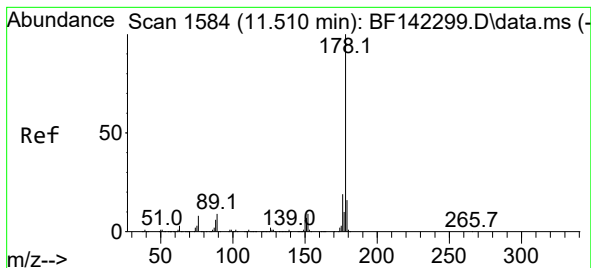
Tgt Ion:248 Resp: 39009
Ion Ratio Lower Upper
248 100
250 199.3 77.9 116.9#
141 427.5 59.8 89.8#



#71
Phenanthrene
Concen: 13.370 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:178 Resp: 581318
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.5 12.6 18.8





#72

Anthracene

Concen: 2.152 ng

RT: 11.498 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

Instrument :

BNA_F

ClientSampleId :

WC-A1-06-C

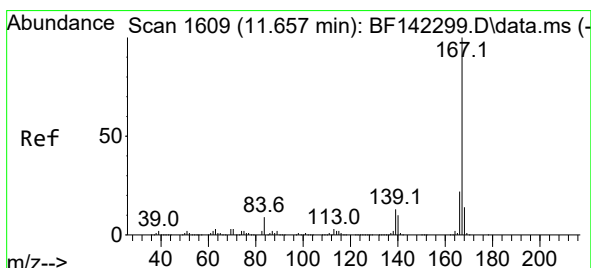
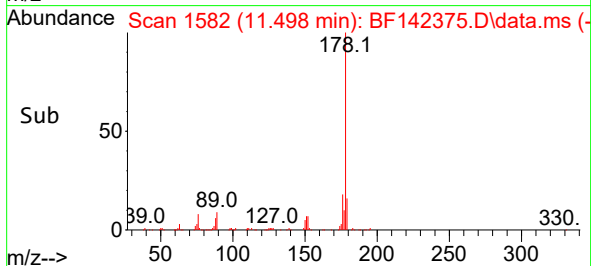
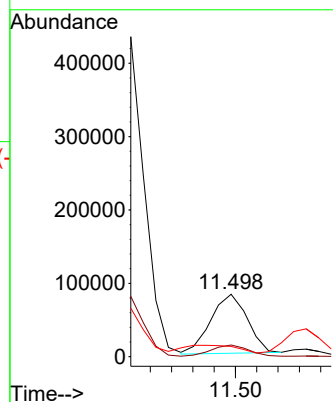
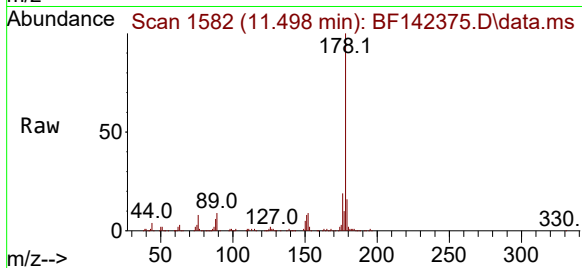
Tgt Ion:178 Resp: 96151

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 16.4 12.6 18.8



#73

Carbazole

Concen: 5.362 ng

RT: 11.651 min Scan# 1608

Delta R.T. -0.006 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

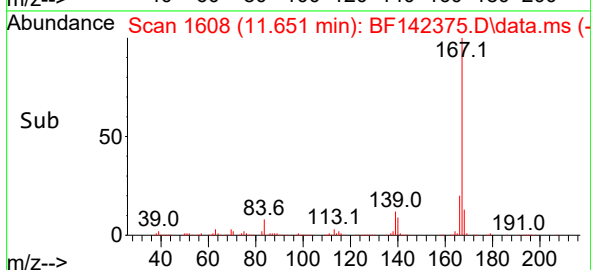
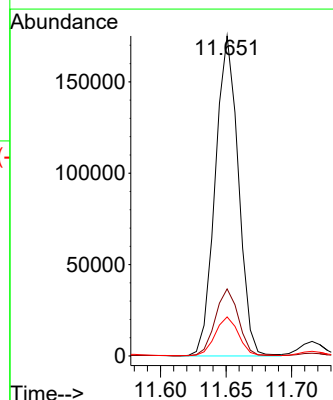
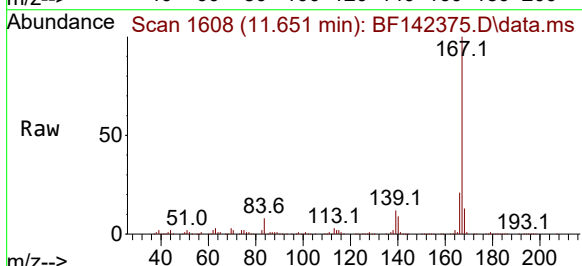
Tgt Ion:167 Resp: 214918

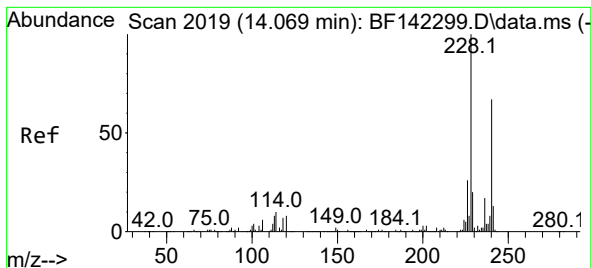
Ion Ratio Lower Upper

167 100

166 21.0 17.2 25.8

139 12.2 10.3 15.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.062 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

Instrument :

BNA_F

ClientSampleId :

WC-A1-06-C

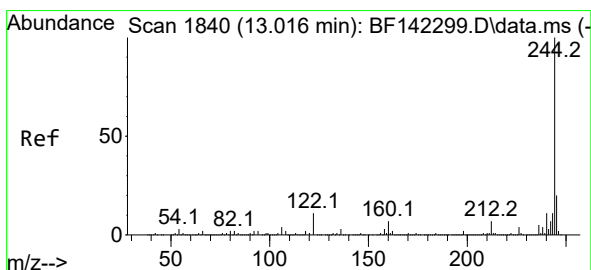
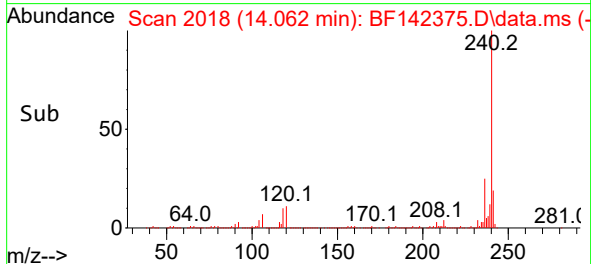
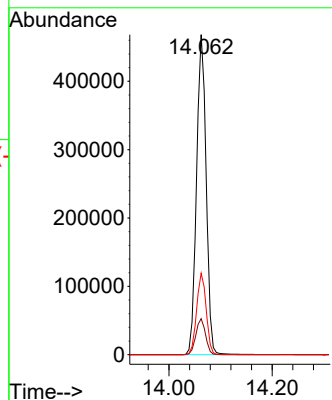
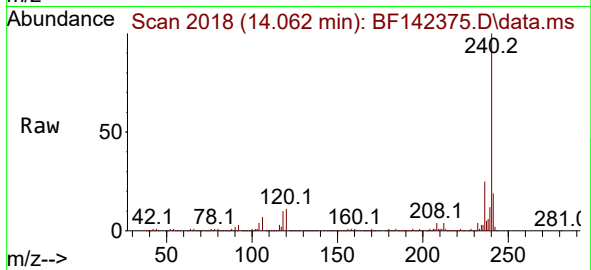
Tgt Ion:240 Resp: 604563

Ion Ratio Lower Upper

240 100

120 11.2 9.7 14.5

236 25.5 20.0 30.0



#79

Terphenyl-d14

Concen: 69.323 ng

RT: 13.015 min Scan# 1840

Delta R.T. -0.000 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

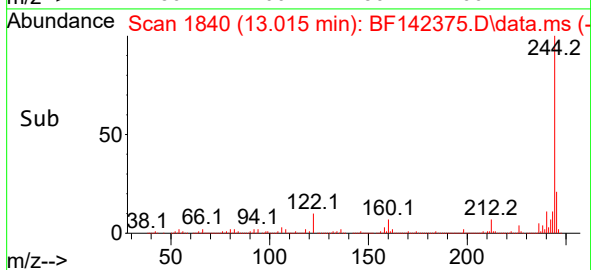
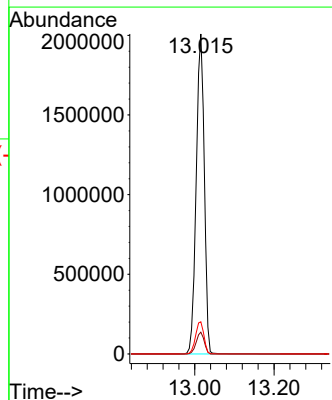
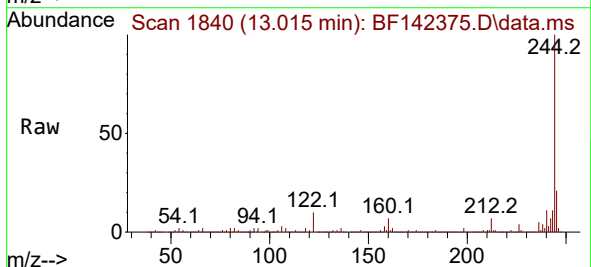
Tgt Ion:244 Resp: 2831552

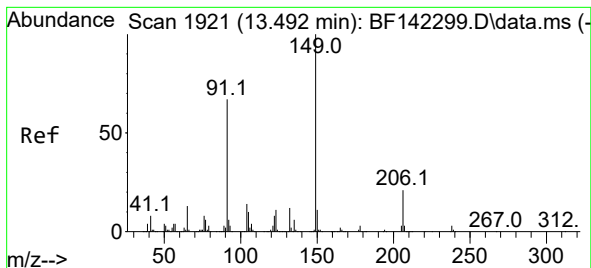
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.1 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.681 ng

RT: 13.480 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

Instrument :

BNA_F

ClientSampleId :

WC-A1-06-C

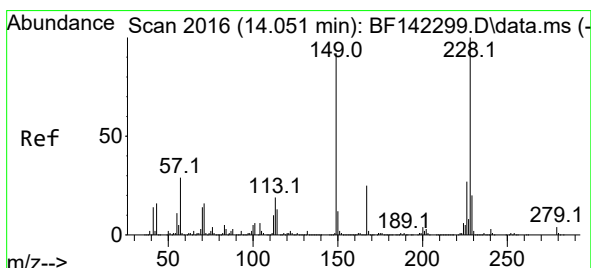
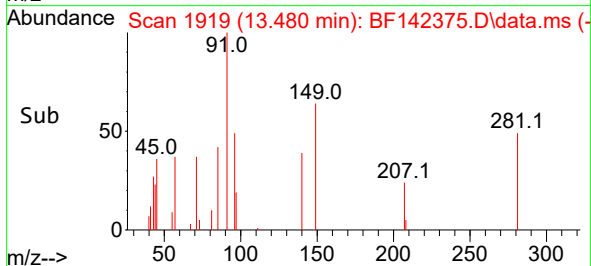
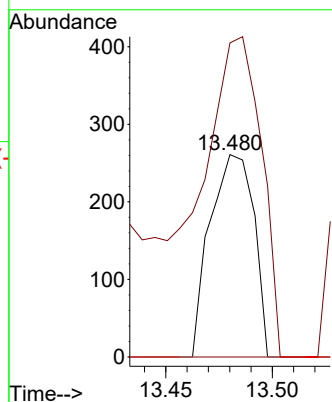
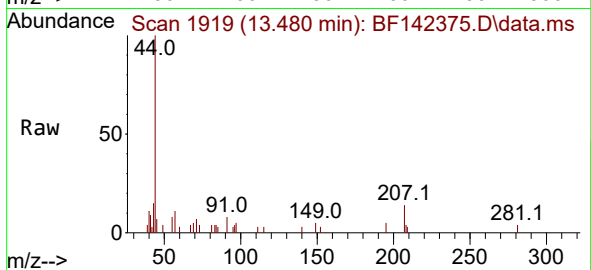
Tgt Ion:149 Resp: 373

Ion Ratio Lower Upper

149 100

91 155.2 53.8 80.6#

206 0.0 16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.318 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142375.D

Acq: 14 May 2025 19:39

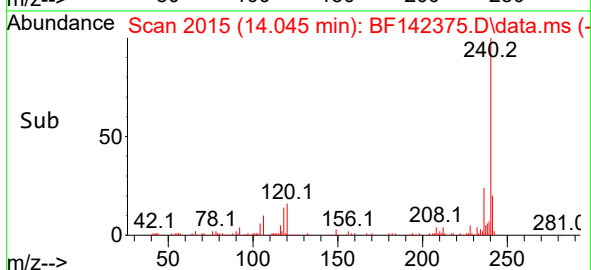
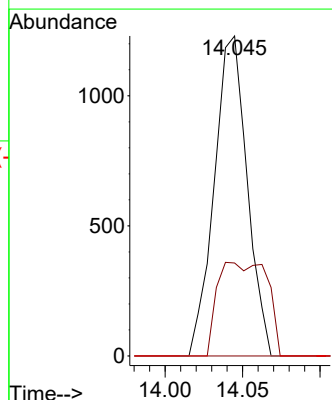
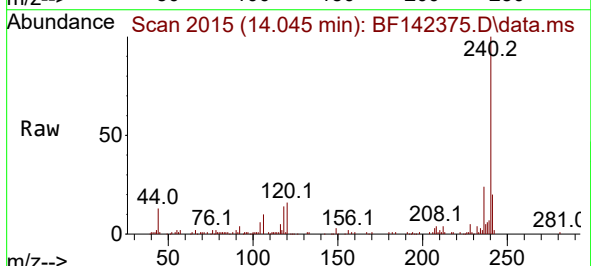
Tgt Ion:149 Resp: 1813

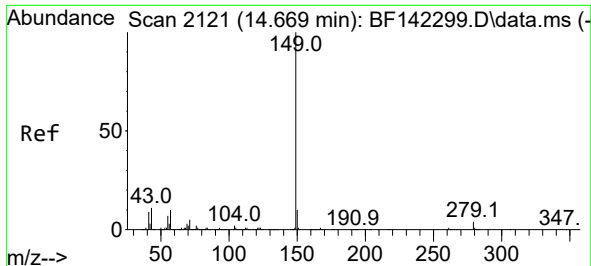
Ion Ratio Lower Upper

149 100

167 29.0 22.0 33.0

279 0.0 3.0 4.6#

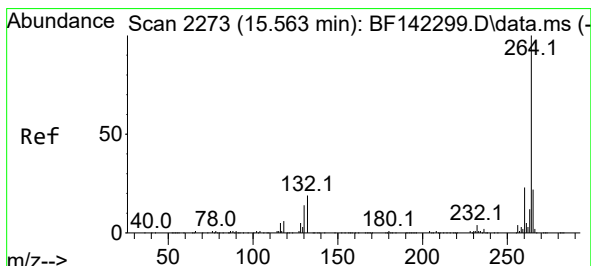
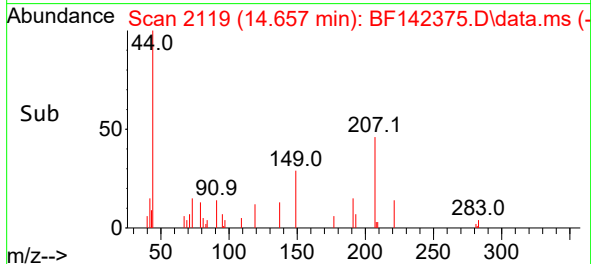
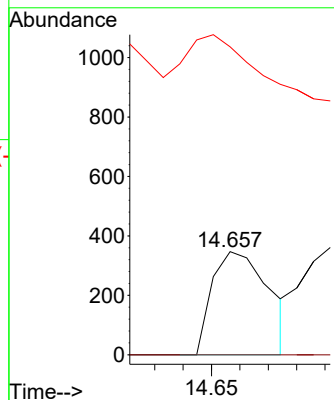
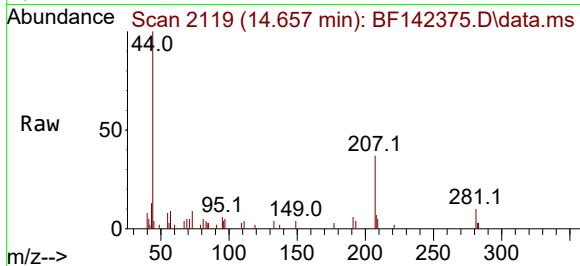




#85
Di-n-octyl phthalate
Concen: 7.851 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Instrument :
BNA_F
ClientSampleId :
WC-A1-06-C

Tgt Ion:149 Resp: 482
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 87.1 9.2 13.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142375.D
Acq: 14 May 2025 19:39

Tgt Ion:264 Resp: 463034
Ion Ratio Lower Upper
264 100
260 23.3 18.6 27.8
265 21.6 17.5 26.3

