

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142374.D
 Acq On : 14 May 2025 19:10
 Operator : RC/JU
 Sample : Q2001-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-05-C

Quant Time: May 15 01:03:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

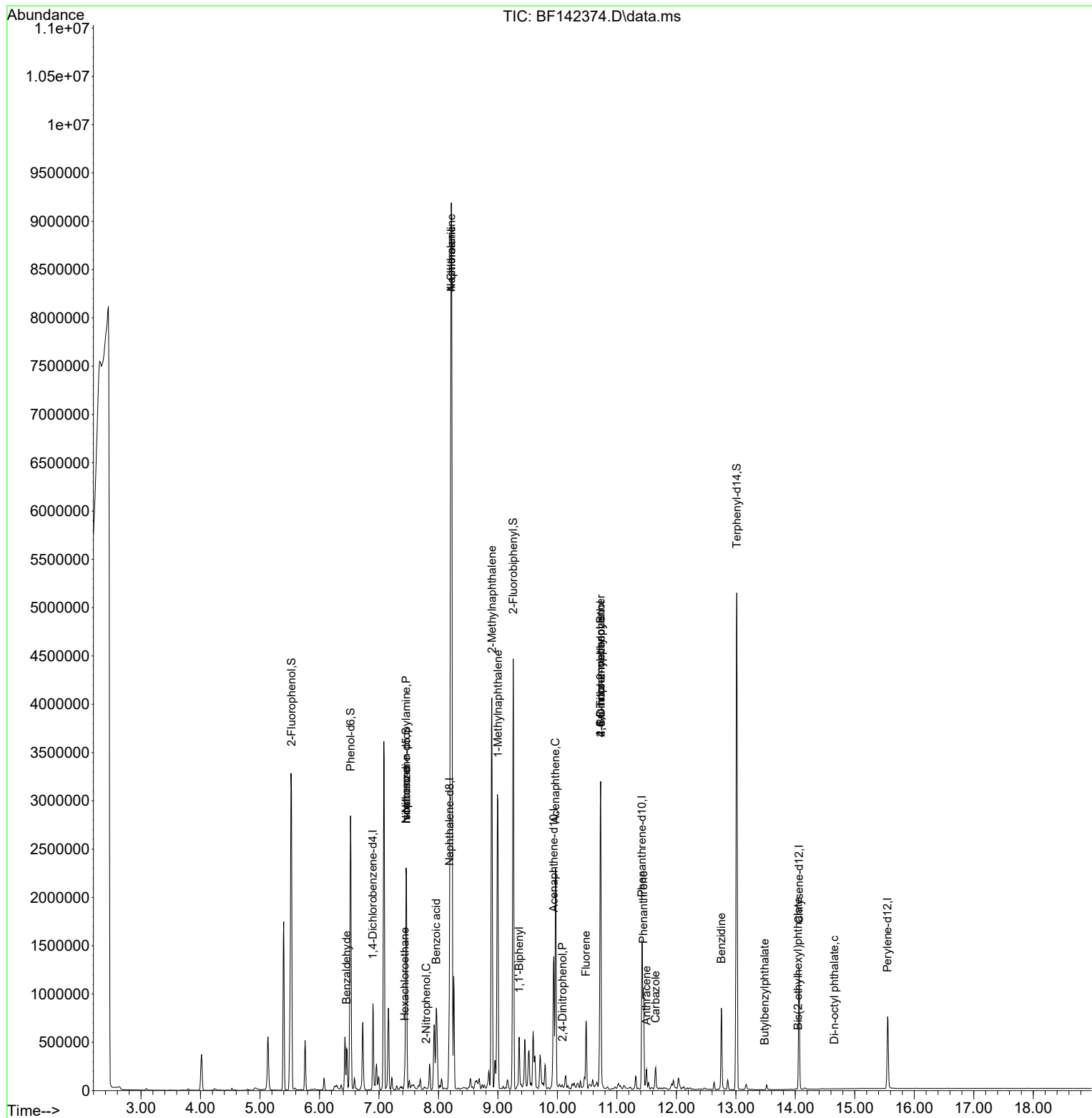
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	193601	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	700965	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	431926	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	818404	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	596538	20.000	ng	0.00
86) Perylene-d12	15.551	264	441966	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1259695	111.074	ng	0.02
7) Phenol-d6	6.522	99	1411892	101.221	ng	0.00
23) Nitrobenzene-d5	7.457	82	1014127	88.234	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	634559	152.166	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2154409	71.121	ng	0.00
79) Terphenyl-d14	13.015	244	2743992	68.083	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	22149	2.713	ng	# 1
18) Hexachloroethane	7.434	117	17210	3.716	ng	# 1
19) n-Nitroso-di-n-propyla...	7.457	70	136819	15.857	ng	# 77
25) Isophorone	7.457	82	973909	44.747	ng	# 62
26) 2-Nitrophenol	7.792	139	298	4.140	ng	# 1
31) Naphthalene	8.216	128	8272033	243.490	ng	# 94
32) Benzoic acid	7.963	122	7046	7.240	ng	# 1
33) 4-Chloroaniline	8.216	127	1266817	91.384	ng	# 32
37) 2-Methylnaphthalene	8.898	142	1721647	81.556	ng	98
38) 1-Methylnaphthalene	8.998	142	1255737	57.073	ng	100
46) 1,1'-Biphenyl	9.357	154	242762	7.330	ng	98
52) Acenaphthene	9.969	154	730699	29.496	ng	98
54) 2,4-Dinitrophenol	10.086	184	115	7.700	ng	# 1
58) Fluorene	10.480	166	335166	12.012	ng	100
65) 4,6-Dinitro-2-methylph...	10.727	198	1161	7.444	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	37489	4.042	ng	# 1
71) Phenanthrene	11.445	178	535570	12.485	ng	99
72) Anthracene	11.498	178	105212	2.387	ng	99
73) Carbazole	11.651	167	122247	3.091	ng	99
77) Benzidine	12.757	184	467773	43.149	ng	98
80) Butylbenzylphthalate	13.486	149	903	3.713	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	1841	4.320	ng	# 91
85) Di-n-octyl phthalate	14.657	149	1257	7.869	ng	# 51

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

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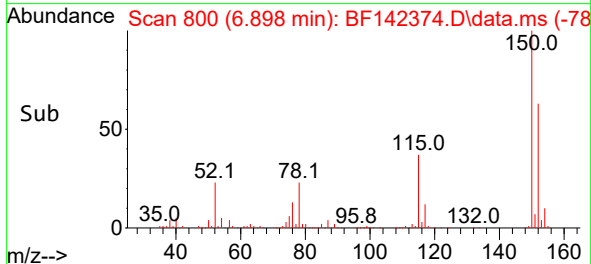
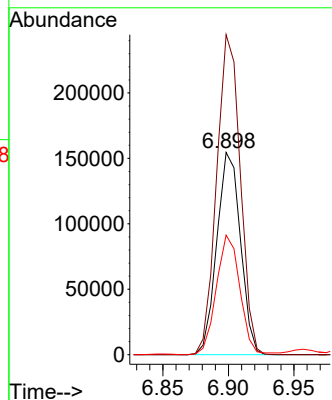
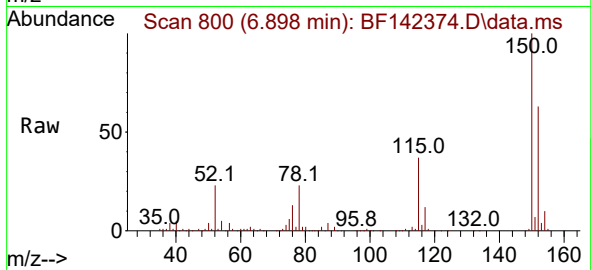




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

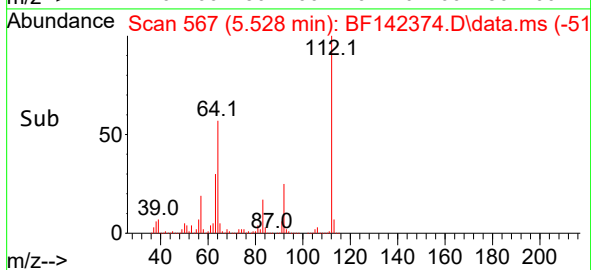
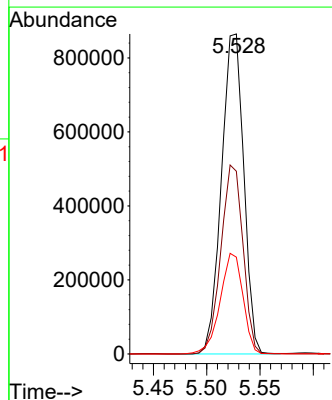
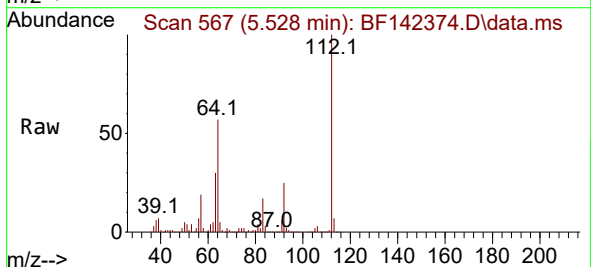
Instrument :
BNA_F
ClientSampleId :
WC-A1-05-C

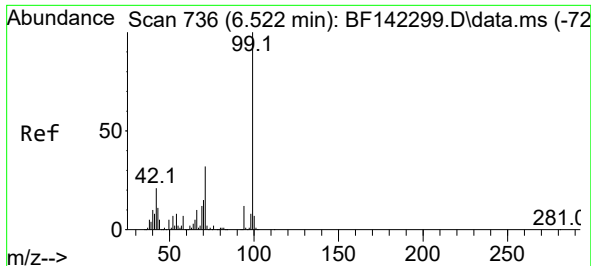
Tgt Ion:152 Resp: 193601
Ion Ratio Lower Upper
152 100
150 158.3 126.6 190.0
115 59.1 47.3 70.9



#5
2-Fluorophenol
Concen: 111.074 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.017 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

Tgt Ion:112 Resp: 1259695
Ion Ratio Lower Upper
112 100
64 57.1 48.9 73.3
63 30.3 25.6 38.4

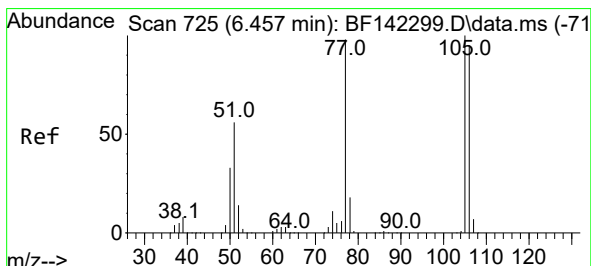
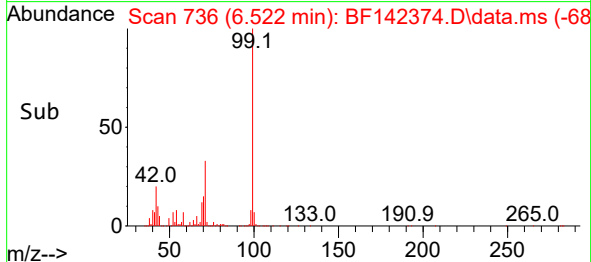
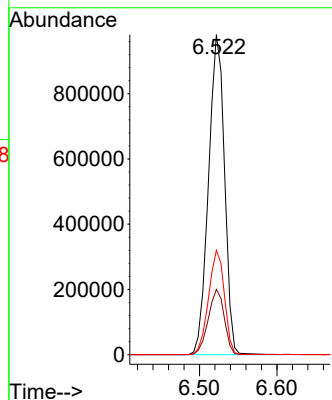
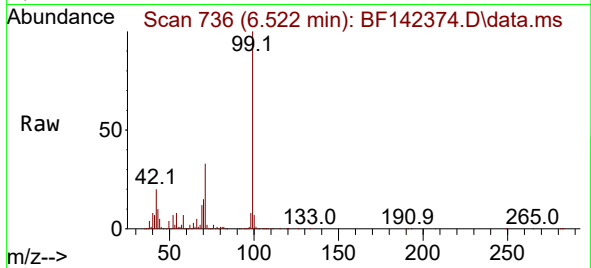




#7
Phenol-d6
Concen: 101.221 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

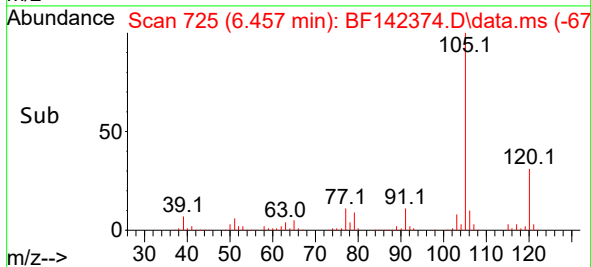
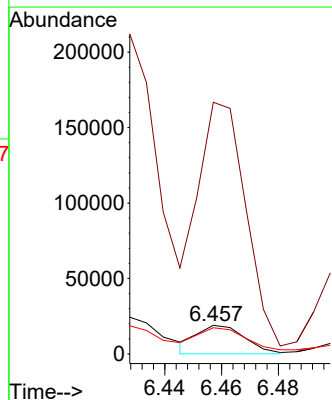
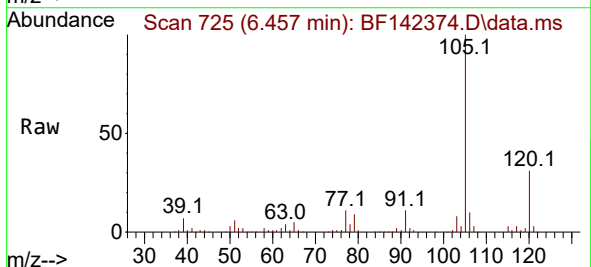
Instrument :
BNA_F
ClientSampleId :
WC-A1-05-C

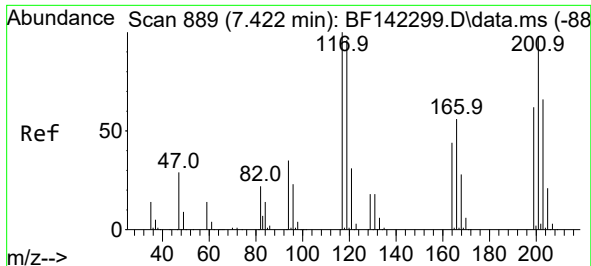
Tgt Ion: 99 Resp: 1411892
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.4
71 32.6 25.8 38.8



#9
Benzaldehyde
Concen: 2.713 ng
RT: 6.457 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

Tgt Ion: 77 Resp: 22149
Ion Ratio Lower Upper
77 100
105 880.1 82.0 122.0#
106 91.6 77.2 117.2

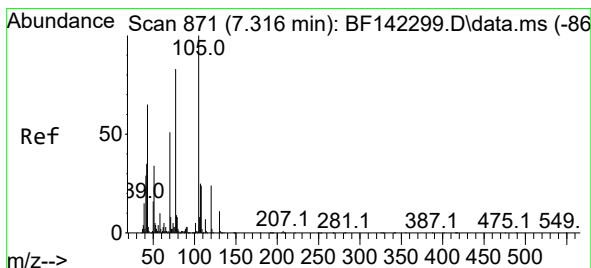
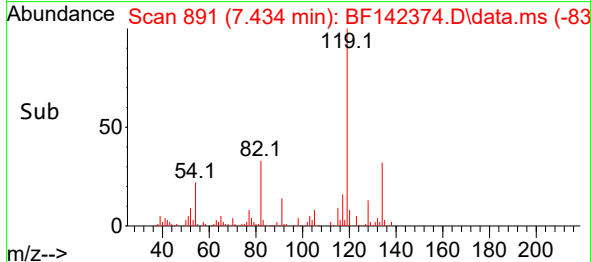
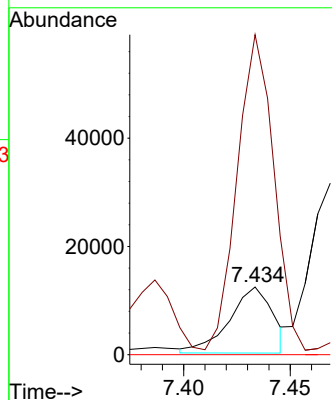
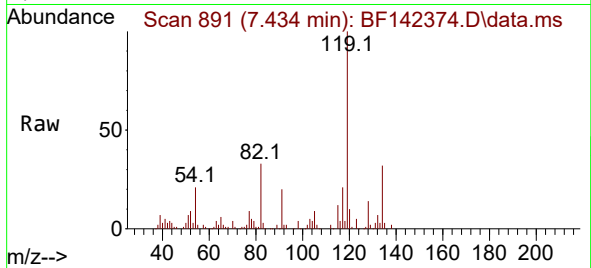




#18
Hexachloroethane
Concen: 3.716 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.012 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

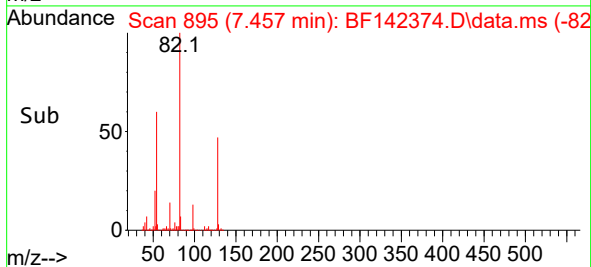
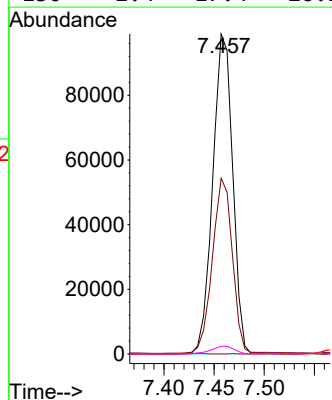
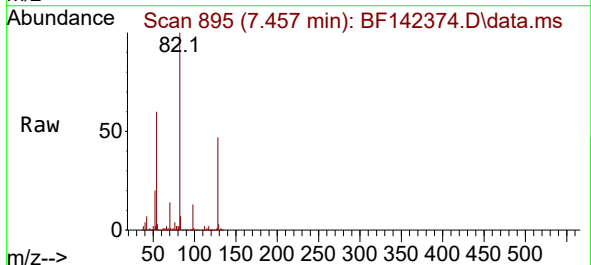
Instrument :
BNA_F
ClientSampleId :
WC-A1-05-C

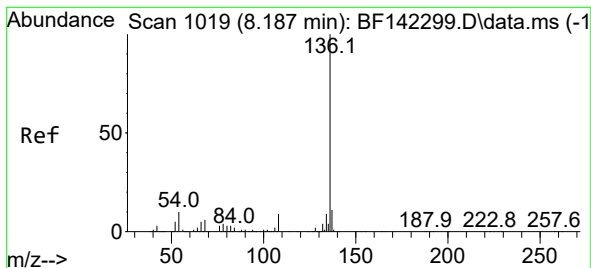
Tgt Ion:117 Resp: 17210
Ion Ratio Lower Upper
117 100
119 472.9 76.9 115.3#
201 0.0 78.0 117.0#



#19
n-Nitroso-di-n-propylamine
Concen: 15.857 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

Tgt Ion: 70 Resp: 136819
Ion Ratio Lower Upper
70 100
42 54.9 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: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF142374.D

Acq: 14 May 2025 19:10

Instrument :

BNA_F

ClientSampleId :

WC-A1-05-C

Tgt Ion:136 Resp: 700965

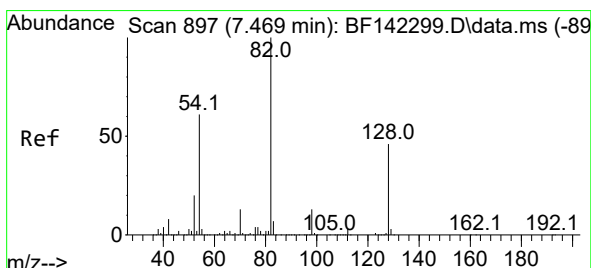
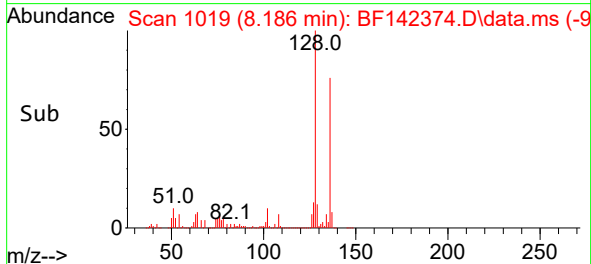
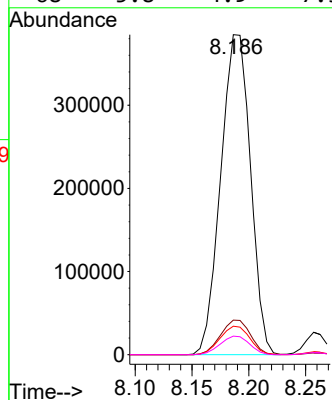
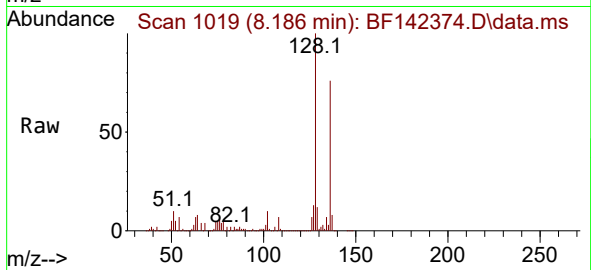
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.9 7.7 11.5

68 5.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 88.234 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142374.D

Acq: 14 May 2025 19:10

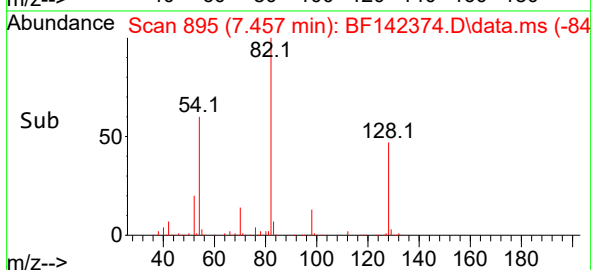
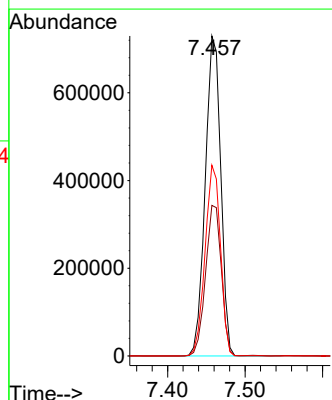
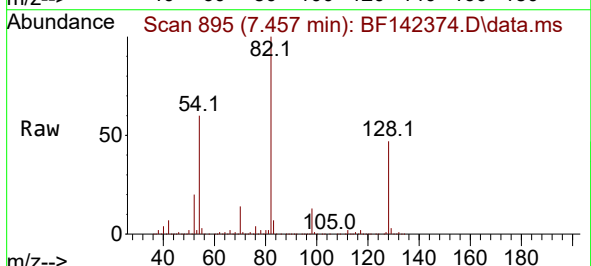
Tgt Ion: 82 Resp: 1014127

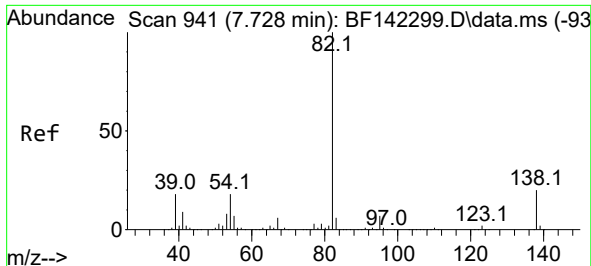
Ion Ratio Lower Upper

82 100

128 47.0 37.0 55.6

54 59.6 48.6 73.0

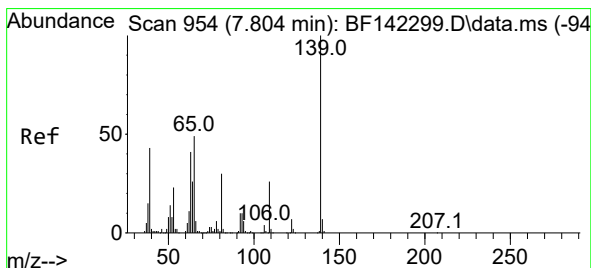
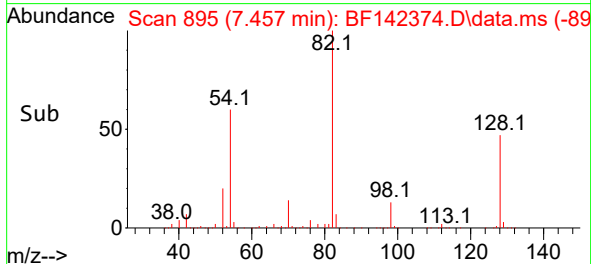
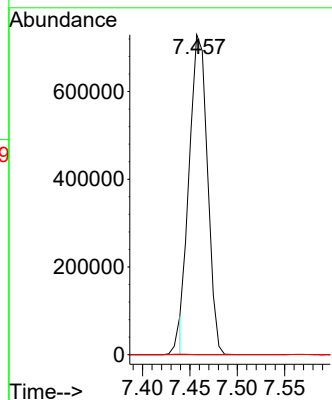
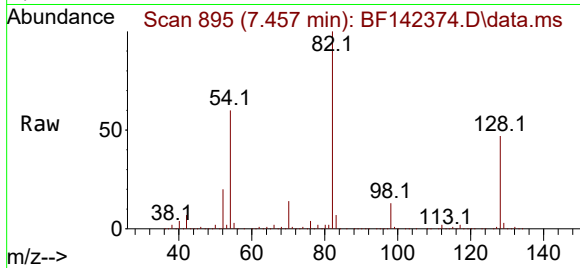




#25
Isophorone
Concen: 44.747 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

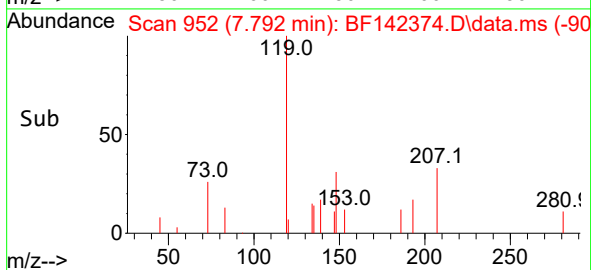
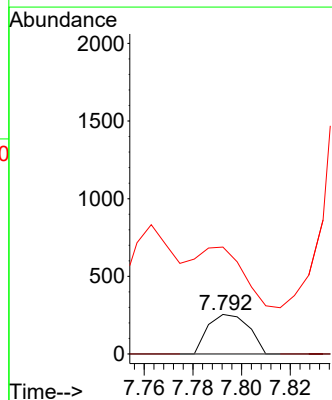
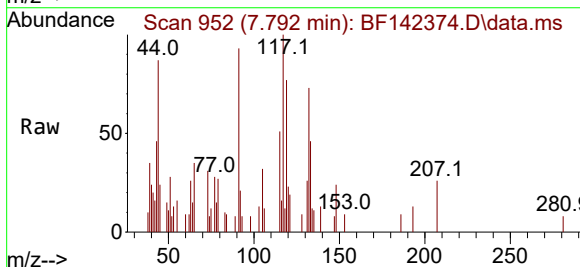
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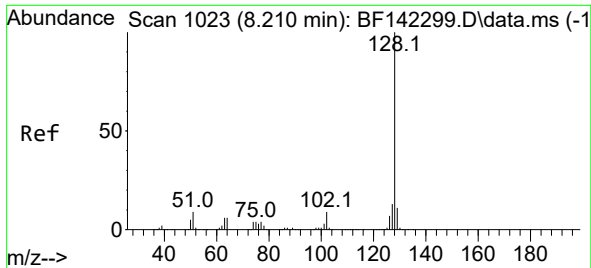
Tgt Ion: 82 Resp: 973909
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.140 ng
RT: 7.792 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

Tgt Ion:139 Resp: 298
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 270.9 38.9 58.3#

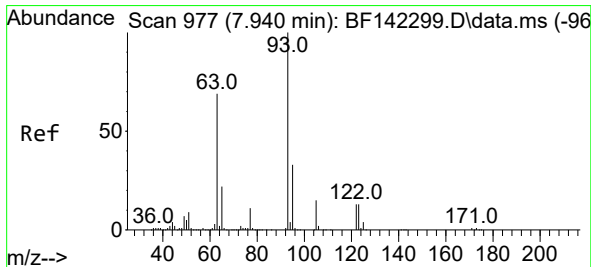
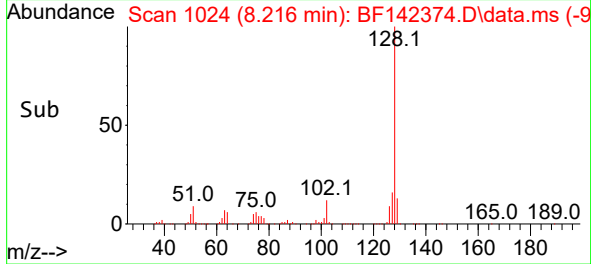
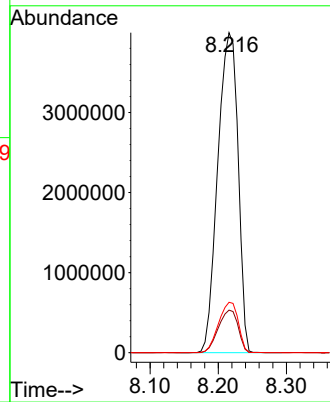
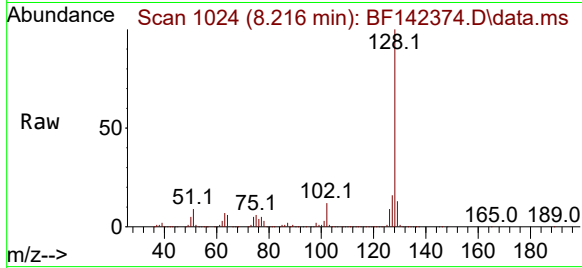




#31
Naphthalene
Concen: 243.490 ng
RT: 8.216 min Scan# 1023
Delta R.T. 0.006 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

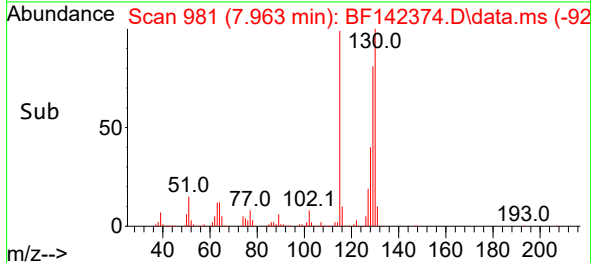
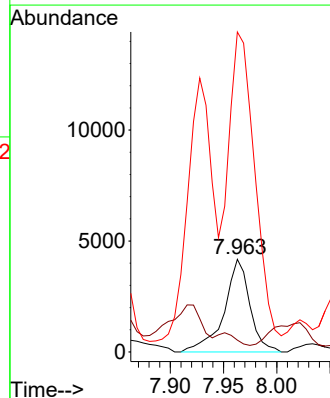
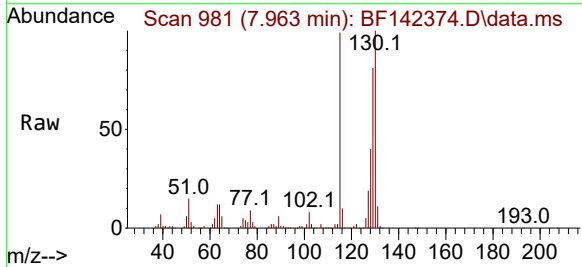
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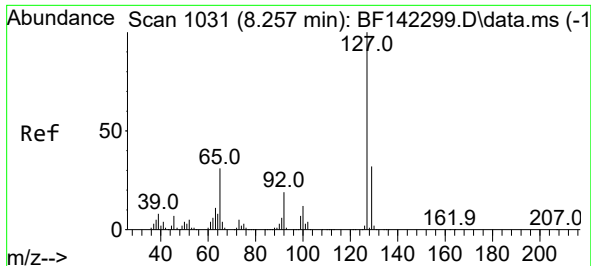
Tgt Ion:128 Resp: 8272033
Ion Ratio Lower Upper
128 100
129 13.3 9.1 13.7
127 15.7 10.5 15.7#



#32
Benzoic acid
Concen: 7.240 ng
RT: 7.963 min Scan# 981
Delta R.T. 0.023 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

Tgt Ion:122 Resp: 7046
Ion Ratio Lower Upper
122 100
105 12.8 97.9 137.9#
77 345.4 67.7 107.7#

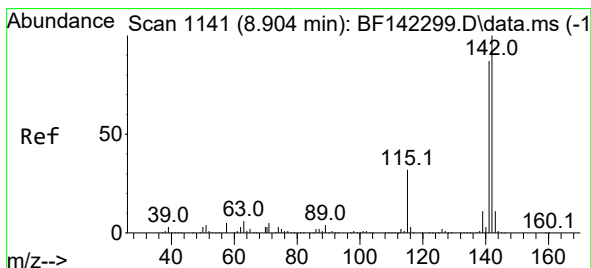
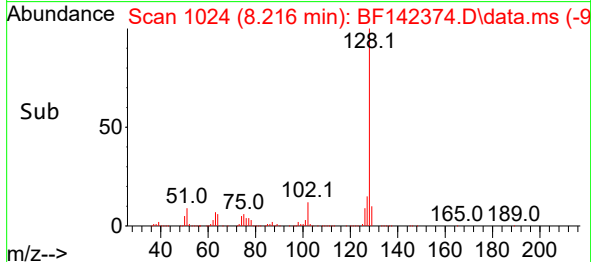
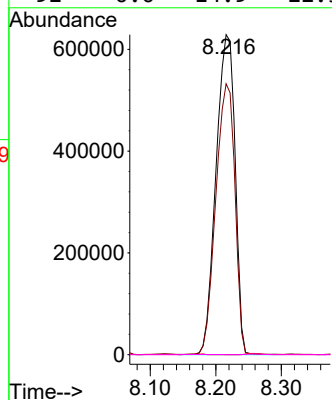
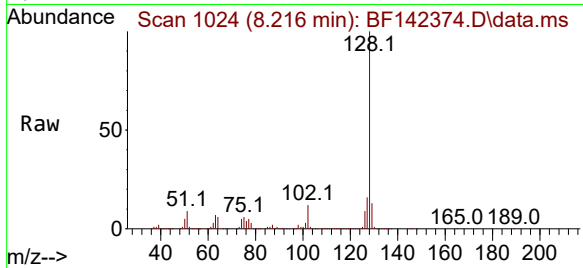




#33
4-Chloroaniline
Concen: 91.384 ng
RT: 8.216 min Scan# 110
Delta R.T. -0.051 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

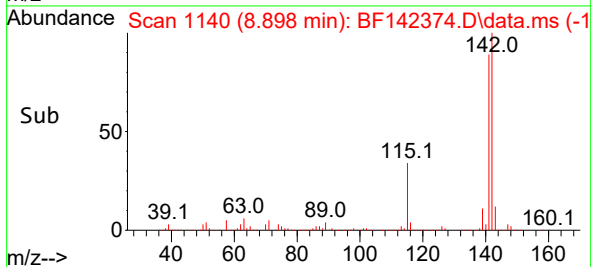
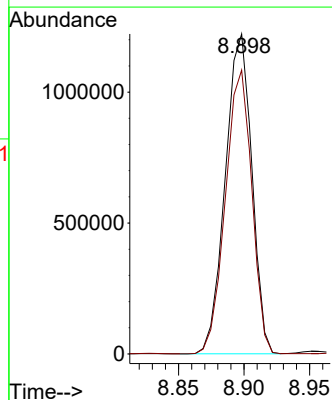
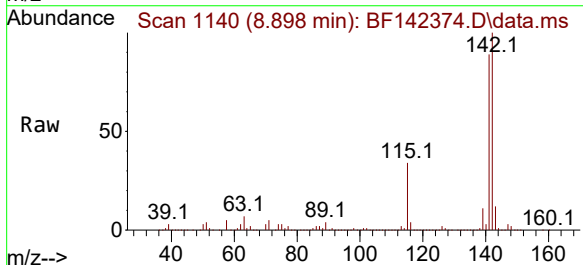
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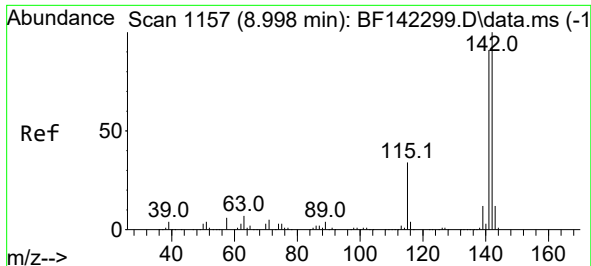
Tgt Ion:127 Resp: 1266817
Ion Ratio Lower Upper
127 100
129 84.7 25.7 38.5#
65 0.0 24.9 37.3#
92 0.0 14.9 22.3#



#37
2-Methylnaphthalene
Concen: 81.556 ng
RT: 8.898 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

Tgt Ion:142 Resp: 1721647
Ion Ratio Lower Upper
142 100
141 88.7 69.4 104.2





#38

1-Methylnaphthalene

Concen: 57.073 ng

RT: 8.998 min Scan# 1157

Delta R.T. -0.000 min

Lab File: BF142374.D

Acq: 14 May 2025 19:10

Instrument :

BNA_F

ClientSampleId :

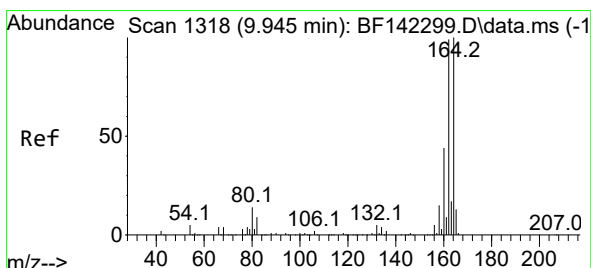
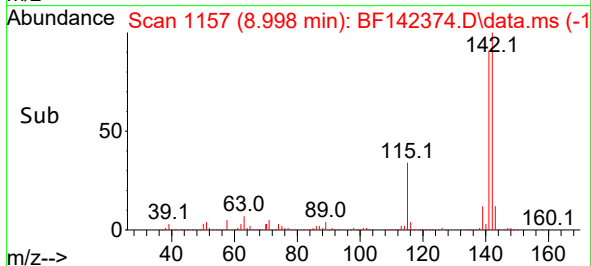
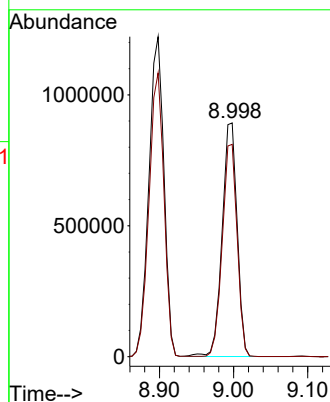
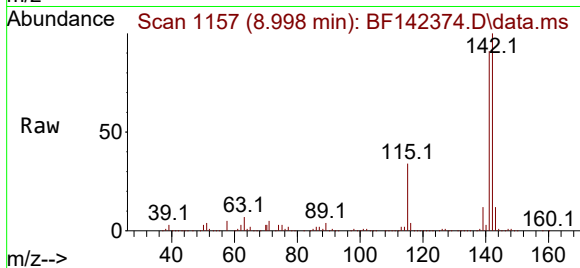
WC-A1-05-C

Tgt Ion:142 Resp: 1255737

Ion Ratio Lower Upper

142 100

141 90.8 72.5 108.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142374.D

Acq: 14 May 2025 19:10

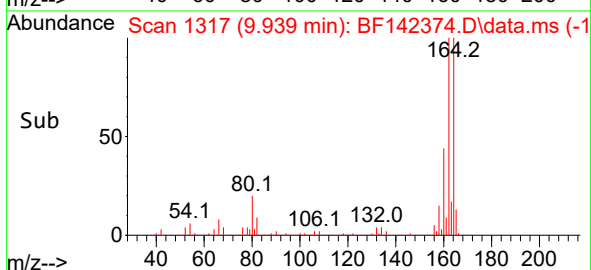
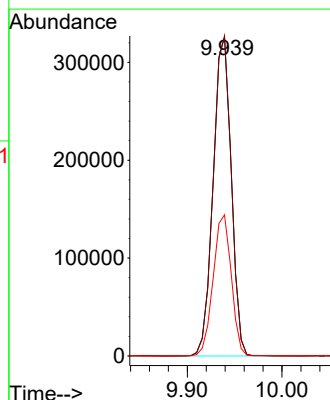
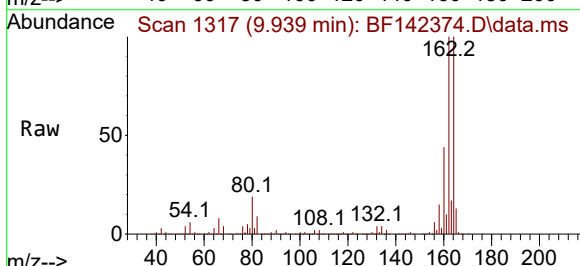
Tgt Ion:164 Resp: 431926

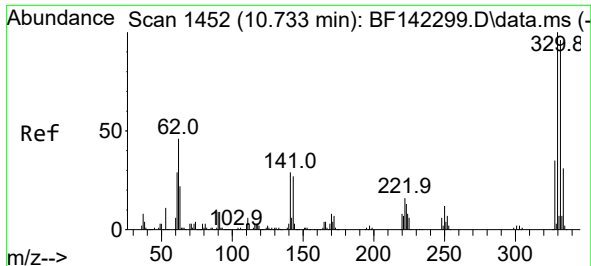
Ion Ratio Lower Upper

164 100

162 100.3 79.2 118.8

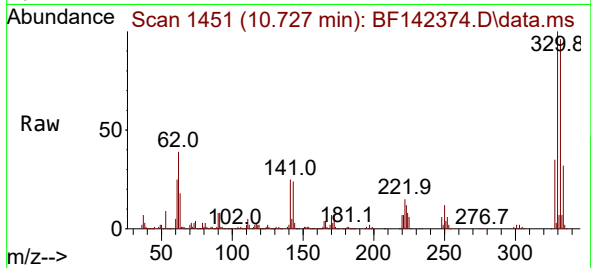
160 44.2 35.3 52.9



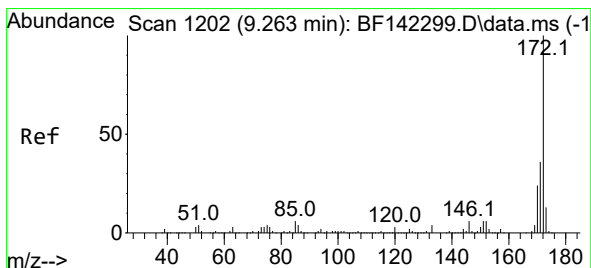
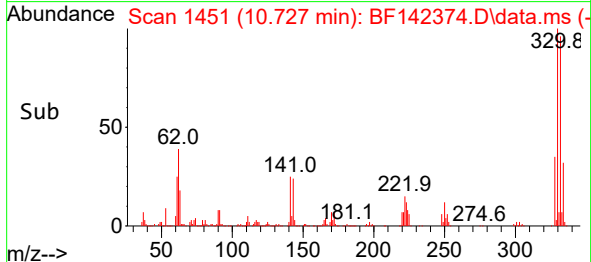
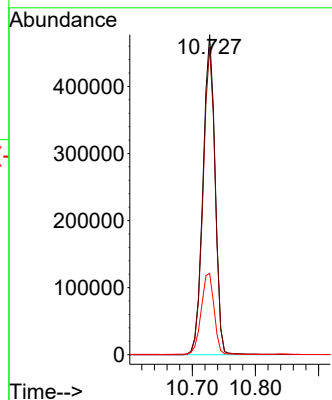


#42
2,4,6-Tribromophenol
Concen: 152.166 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

Instrument :
BNA_F
ClientSampleId :
WC-A1-05-C

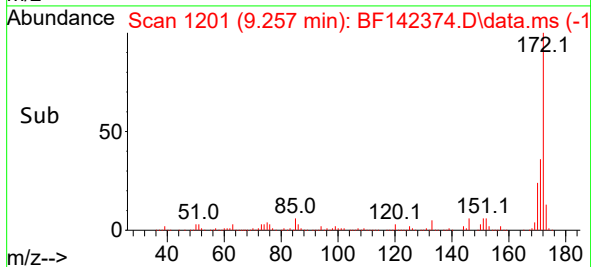
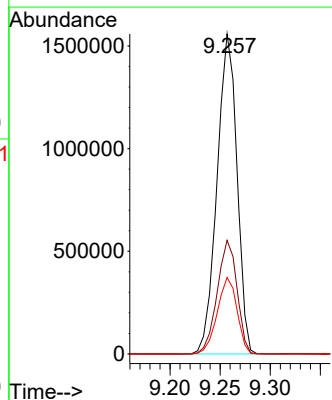
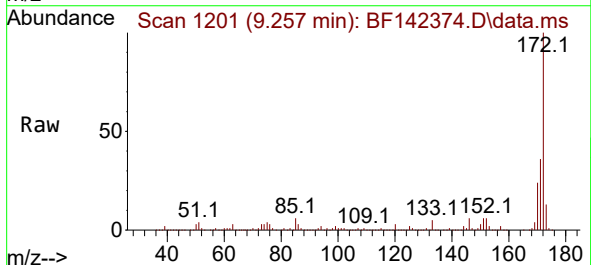


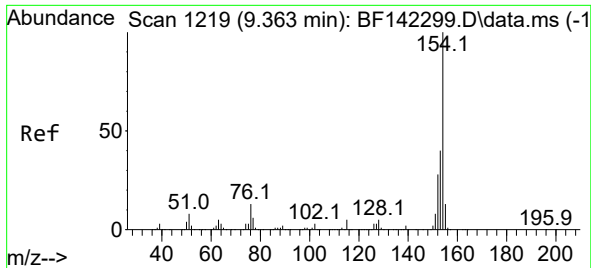
Tgt Ion:330 Resp: 634559
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 27.0 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 71.121 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

Tgt Ion:172 Resp: 2154409
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.9 19.0 28.4

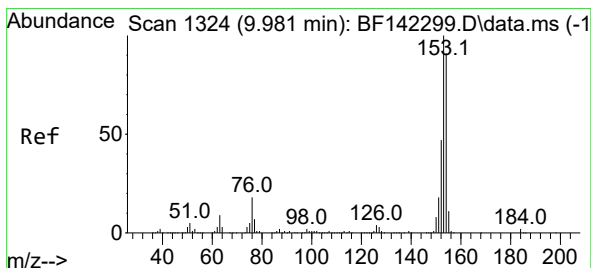
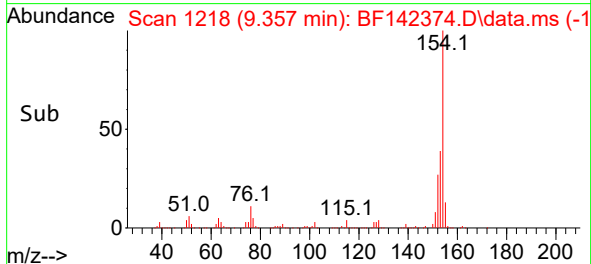
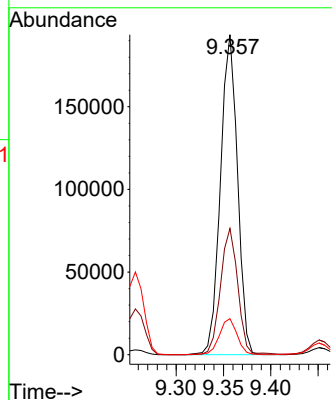
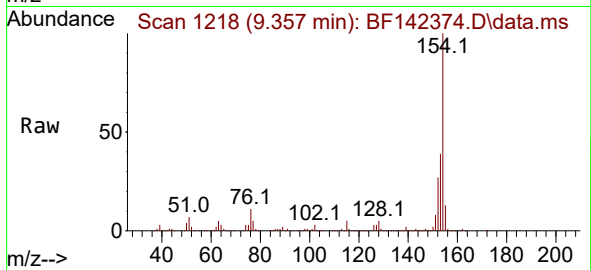




#46
 1,1'-Biphenyl
 Concen: 7.330 ng
 RT: 9.357 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142374.D
 Acq: 14 May 2025 19:10

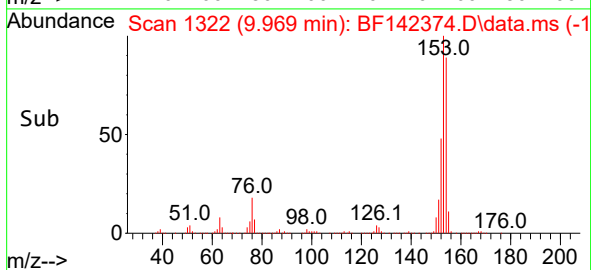
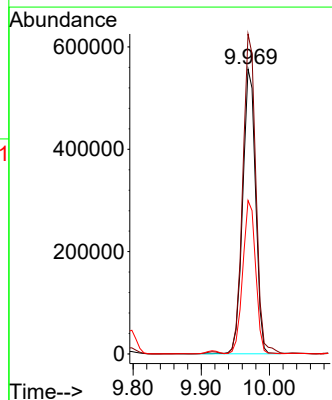
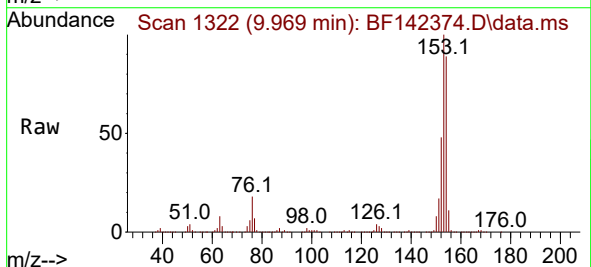
Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-05-C

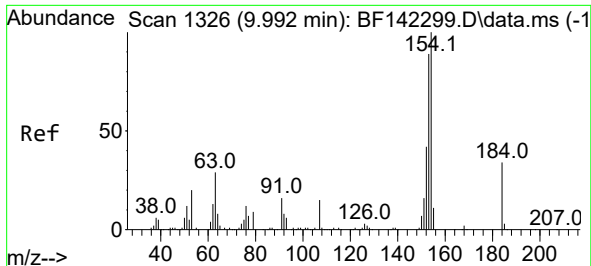
Tgt Ion:154 Resp: 242762
 Ion Ratio Lower Upper
 154 100
 153 39.4 20.5 60.5
 76 11.2 0.0 32.8



#52
 Acenaphthene
 Concen: 29.496 ng
 RT: 9.969 min Scan# 1322
 Delta R.T. -0.012 min
 Lab File: BF142374.D
 Acq: 14 May 2025 19:10

Tgt Ion:154 Resp: 730699
 Ion Ratio Lower Upper
 154 100
 153 112.3 88.0 132.0
 152 53.8 41.6 62.4

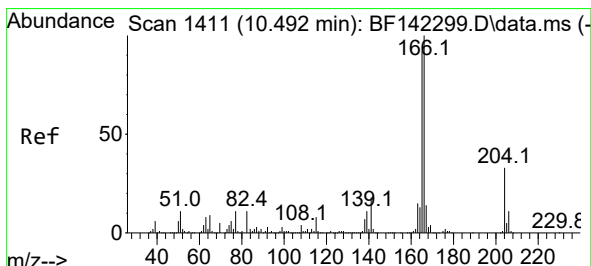
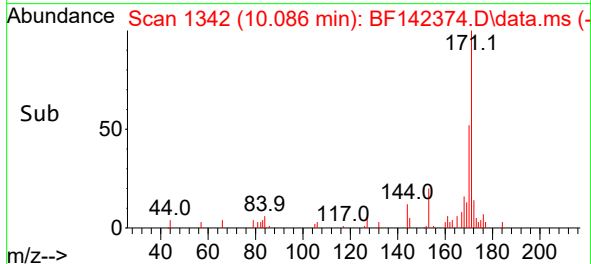
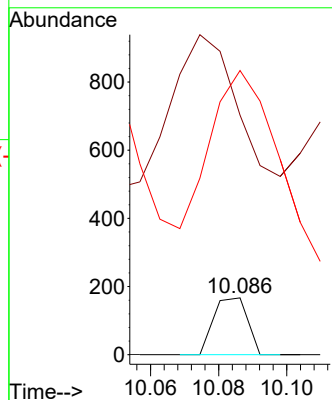
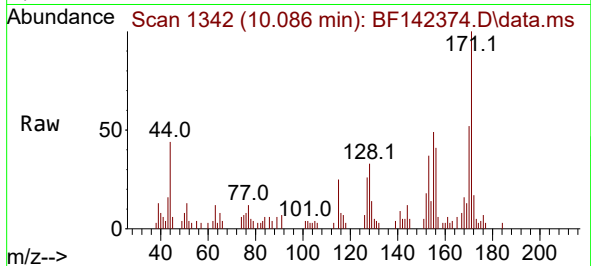




#54
2,4-Dinitrophenol
Concen: 7.700 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

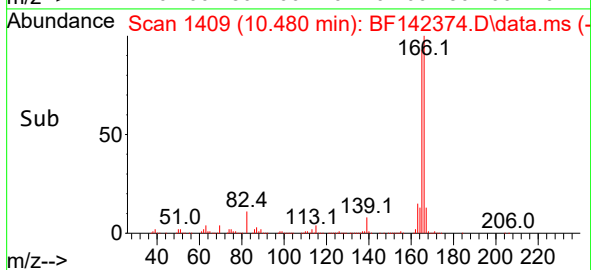
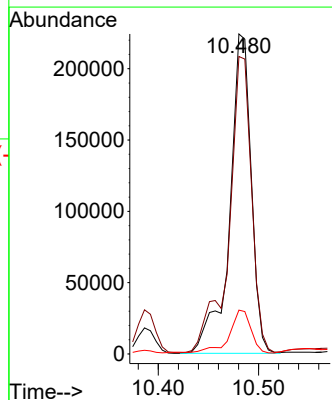
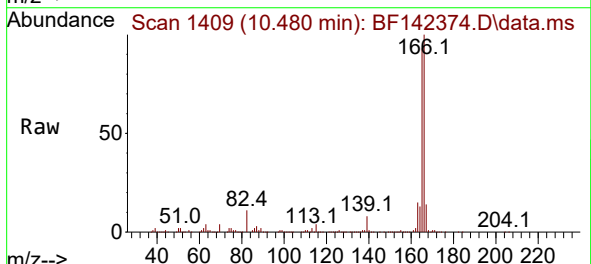
Instrument :
BNA_F
ClientSampleId :
WC-A1-05-C

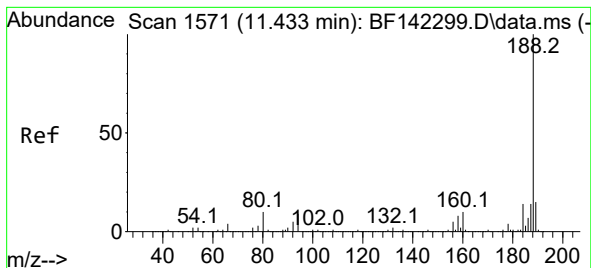
Tgt Ion:184 Resp: 115
Ion Ratio Lower Upper
184 100
63 421.0 70.6 105.8#
154 499.4 257.2 385.8#



#58
Fluorene
Concen: 12.012 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

Tgt Ion:166 Resp: 335166
Ion Ratio Lower Upper
166 100
165 93.0 74.0 111.0
167 13.7 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: BF142374.D

Acq: 14 May 2025 19:10

Instrument :

BNA_F

ClientSampleId :

WC-A1-05-C

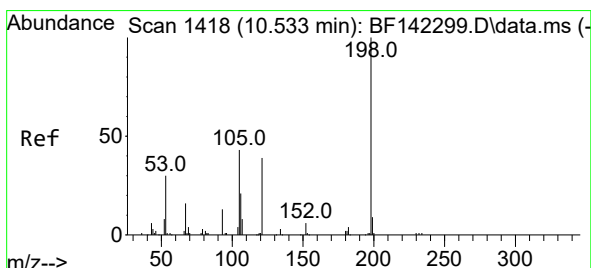
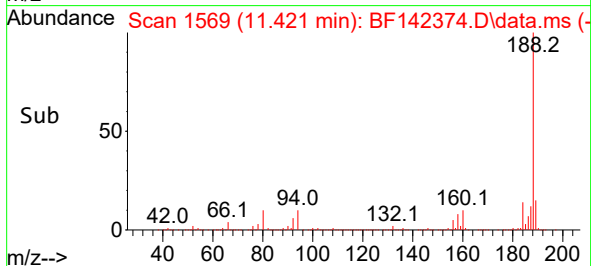
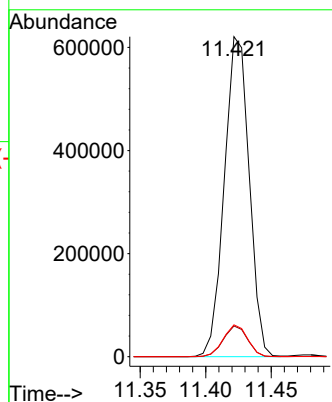
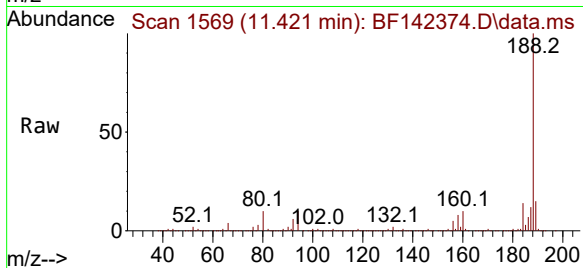
Tgt Ion:188 Resp: 818404

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 10.0 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.444 ng

RT: 10.727 min Scan# 1451

Delta R.T. 0.194 min

Lab File: BF142374.D

Acq: 14 May 2025 19:10

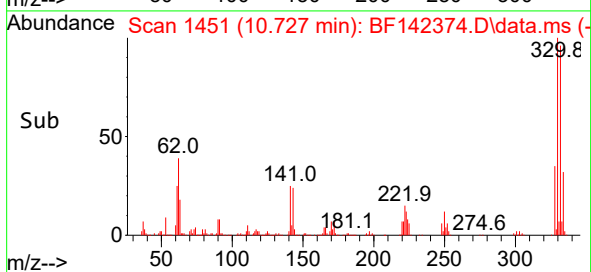
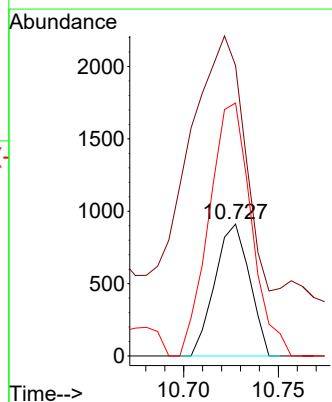
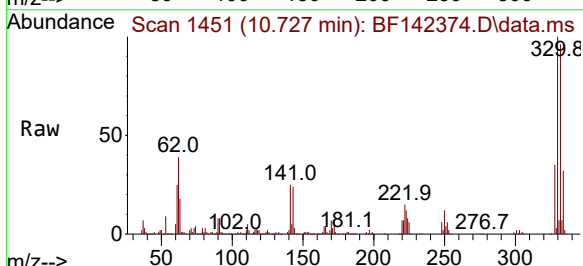
Tgt Ion:198 Resp: 1161

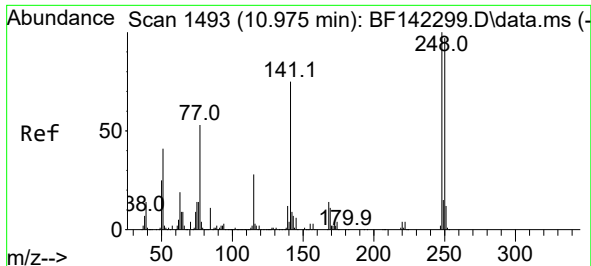
Ion Ratio Lower Upper

198 100

51 220.3 32.9 72.9#

105 191.9 23.7 63.7#

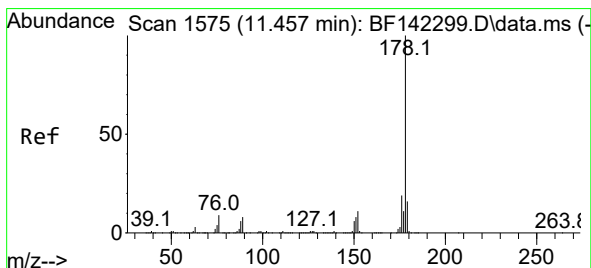
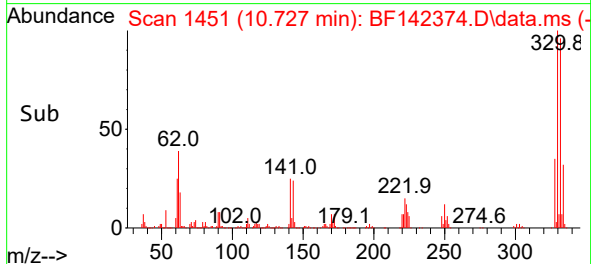
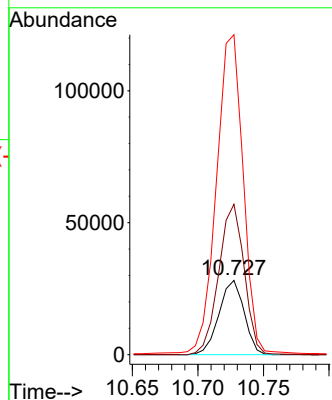
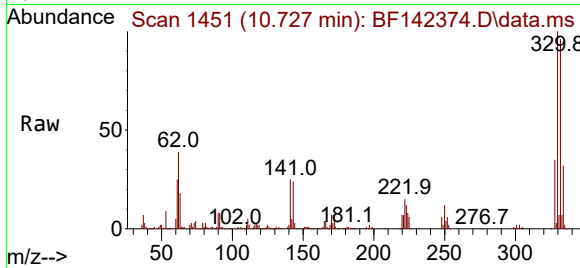




#67
4-Bromophenyl-phenylether
Concen: 4.042 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

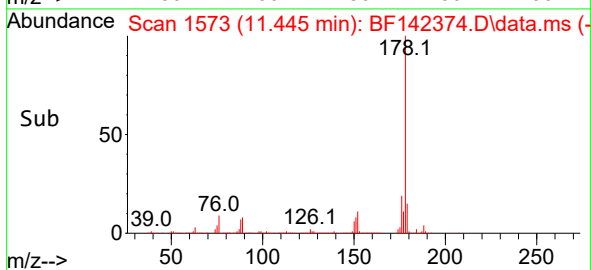
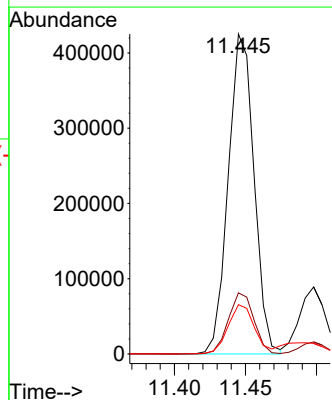
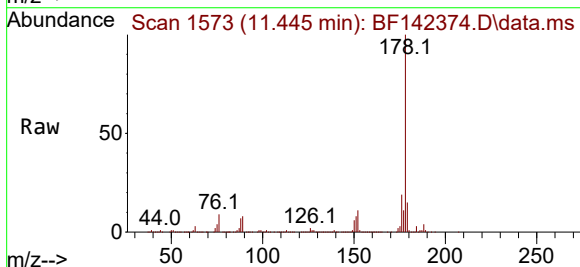
Instrument :
BNA_F
ClientSampleId :
WC-A1-05-C

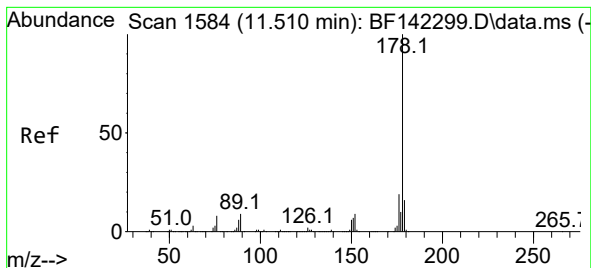
Tgt Ion:248 Resp: 37489
Ion Ratio Lower Upper
248 100
250 202.5 77.9 116.9#
141 430.6 59.8 89.8#



#71
Phenanthrene
Concen: 12.485 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

Tgt Ion:178 Resp: 535570
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.4 12.6 18.8





#72

Anthracene

Concen: 2.387 ng

RT: 11.498 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF142374.D

Acq: 14 May 2025 19:10

Instrument :

BNA_F

ClientSampleId :

WC-A1-05-C

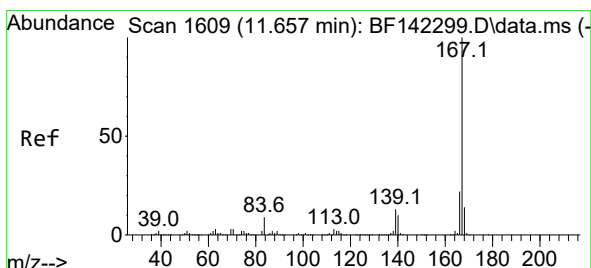
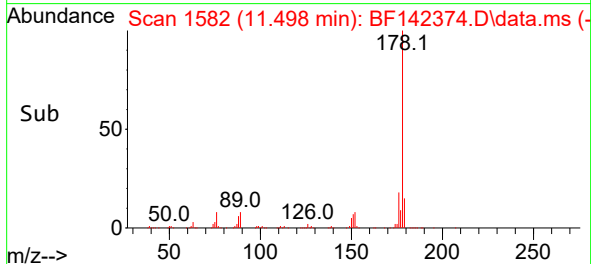
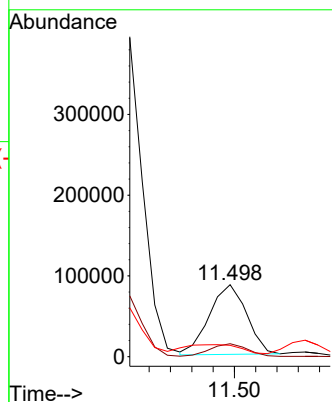
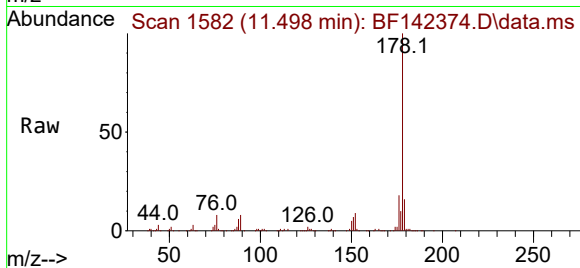
Tgt Ion:178 Resp: 105212

Ion Ratio Lower Upper

178 100

176 18.0 15.3 22.9

179 15.8 12.6 18.8



#73

Carbazole

Concen: 3.091 ng

RT: 11.651 min Scan# 1608

Delta R.T. -0.006 min

Lab File: BF142374.D

Acq: 14 May 2025 19:10

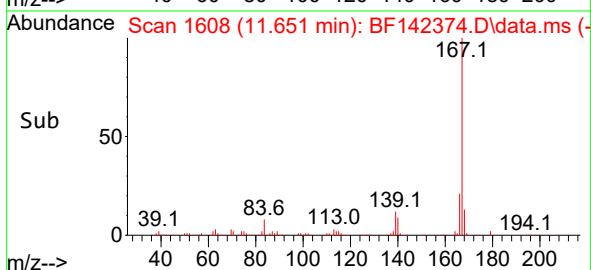
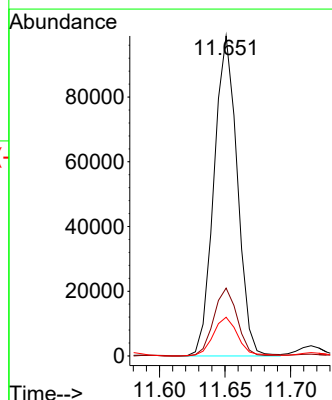
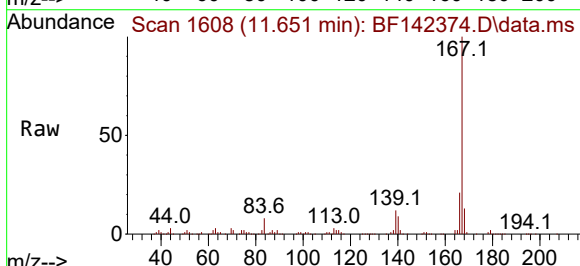
Tgt Ion:167 Resp: 122247

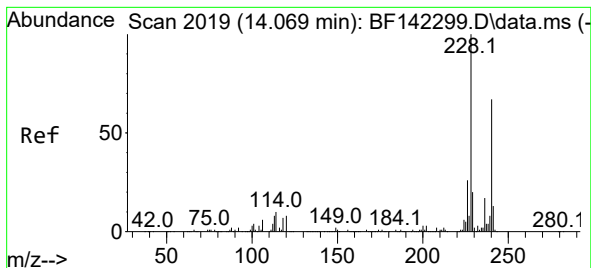
Ion Ratio Lower Upper

167 100

166 21.2 17.2 25.8

139 12.1 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: BF142374.D

Acq: 14 May 2025 19:10

Instrument :

BNA_F

ClientSampleId :

WC-A1-05-C

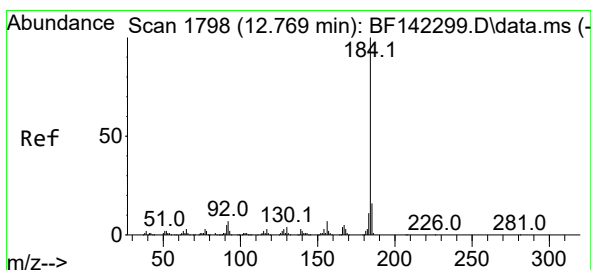
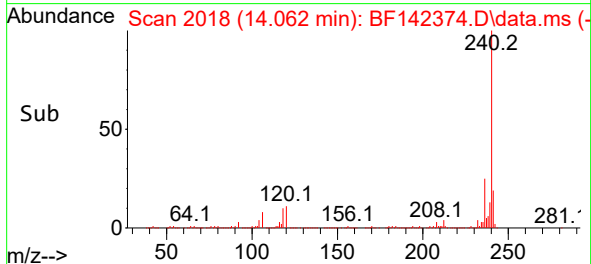
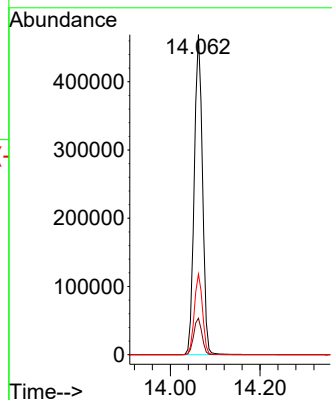
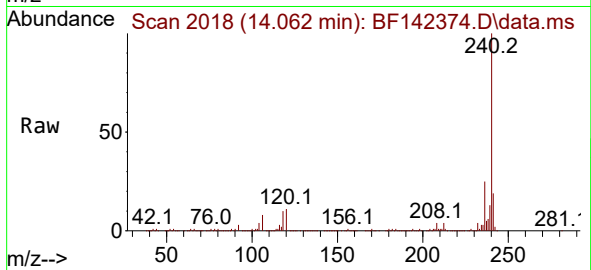
Tgt Ion:240 Resp: 596538

Ion Ratio Lower Upper

240 100

120 11.4 9.7 14.5

236 25.2 20.0 30.0



#77

Benzidine

Concen: 43.149 ng

RT: 12.757 min Scan# 1796

Delta R.T. -0.012 min

Lab File: BF142374.D

Acq: 14 May 2025 19:10

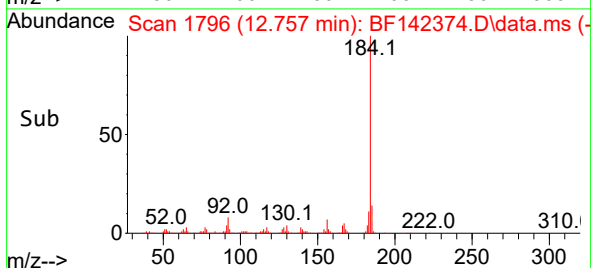
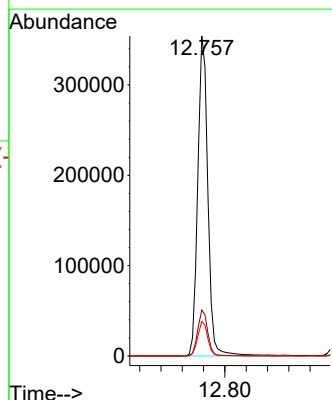
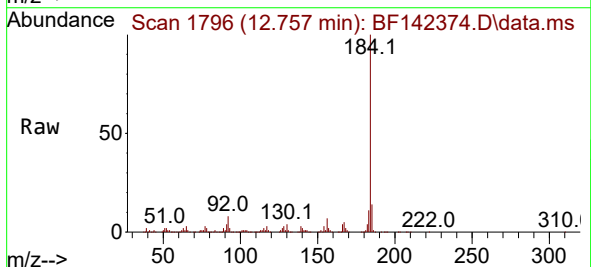
Tgt Ion:184 Resp: 467773

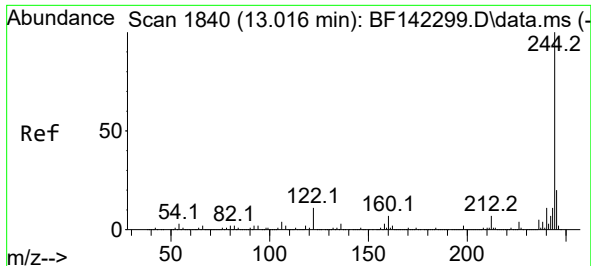
Ion Ratio Lower Upper

184 100

185 14.4 12.6 18.8

183 10.7 8.6 12.8

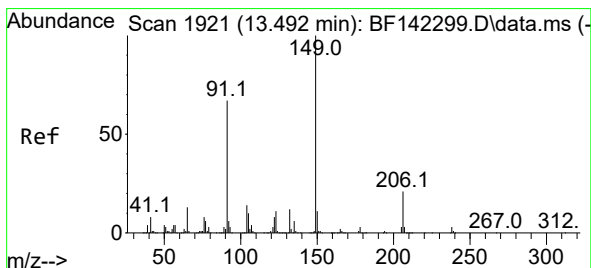
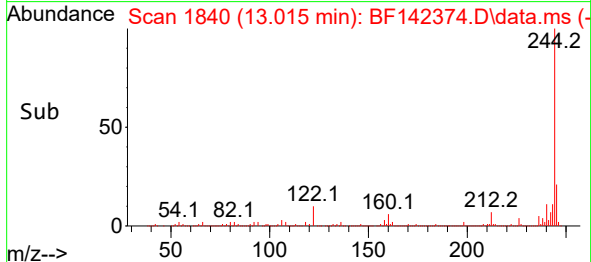
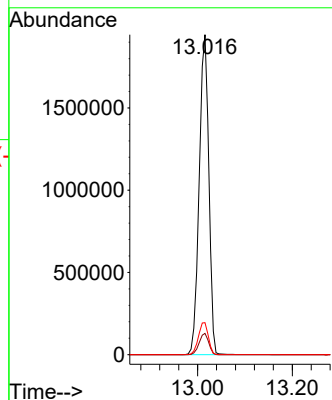
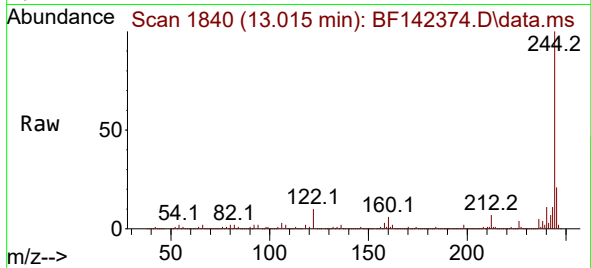




#79
 Terphenyl-d14
 Concen: 68.083 ng
 RT: 13.015 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF142374.D
 Acq: 14 May 2025 19:10

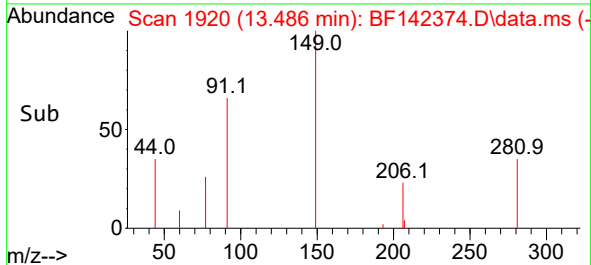
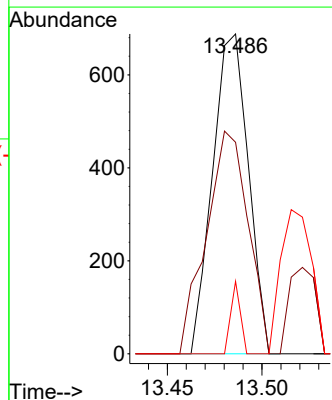
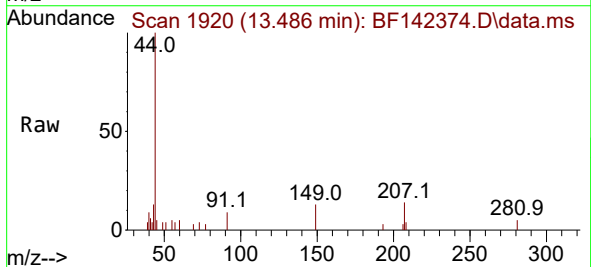
Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-05-C

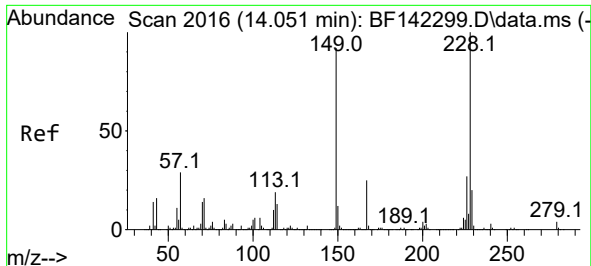
Tgt Ion:244 Resp: 2743992
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.0 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.713 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF142374.D
 Acq: 14 May 2025 19:10

Tgt Ion:149 Resp: 903
 Ion Ratio Lower Upper
 149 100
 91 66.1 53.8 80.6
 206 22.7 16.6 24.8

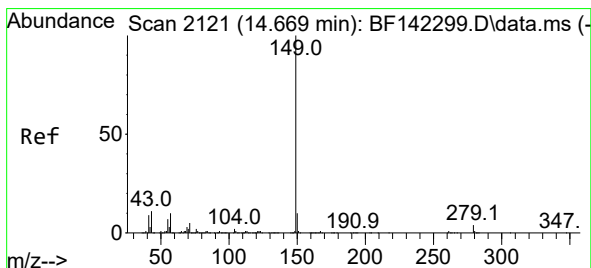
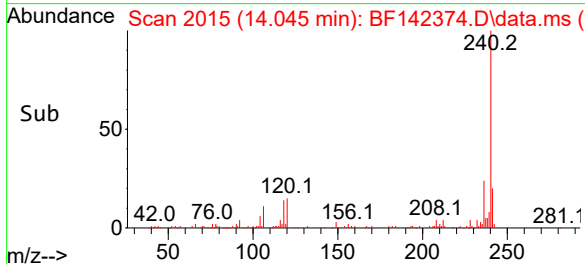
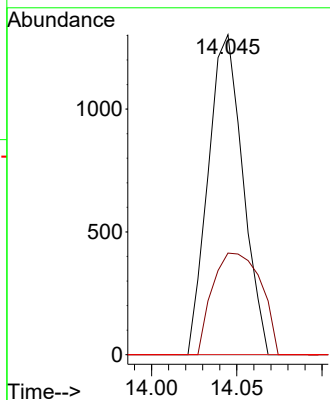
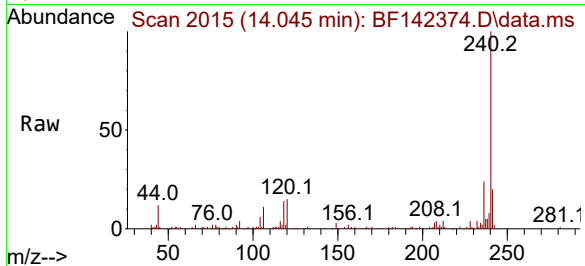




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.320 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

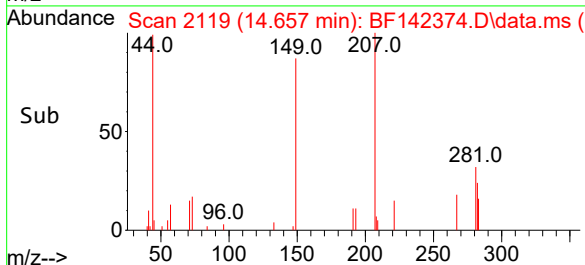
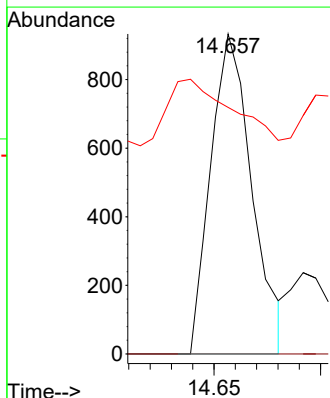
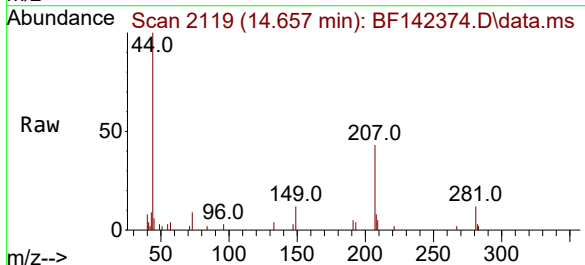
Instrument :
BNA_F
ClientSampleId :
WC-A1-05-C

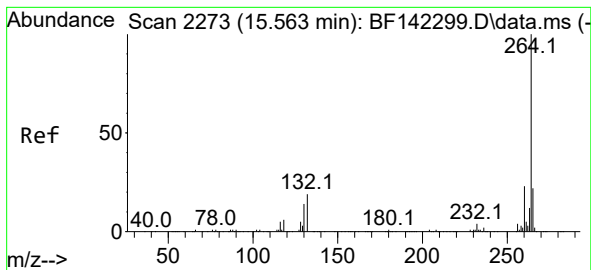
Tgt Ion:149 Resp: 1841
Ion Ratio Lower Upper
149 100
167 31.8 22.0 33.0
279 0.0 3.0 4.6#



#85
Di-n-octyl phthalate
Concen: 7.869 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

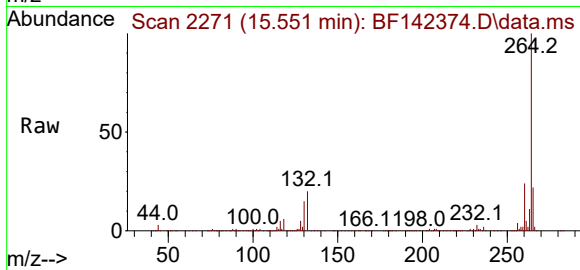
Tgt Ion:149 Resp: 1257
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 32.5 9.2 13.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142374.D
Acq: 14 May 2025 19:10

Instrument :
BNA_F
ClientSampleId :
WC-A1-05-C



Tgt Ion:264 Resp: 441966
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.7 17.5 26.3

