

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
 Data File : BF142293.D
 Acq On : 02 May 2025 21:11
 Operator : RC/JU
 Sample : Q1929-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-A4-02-C

Quant Time: May 02 22:50:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

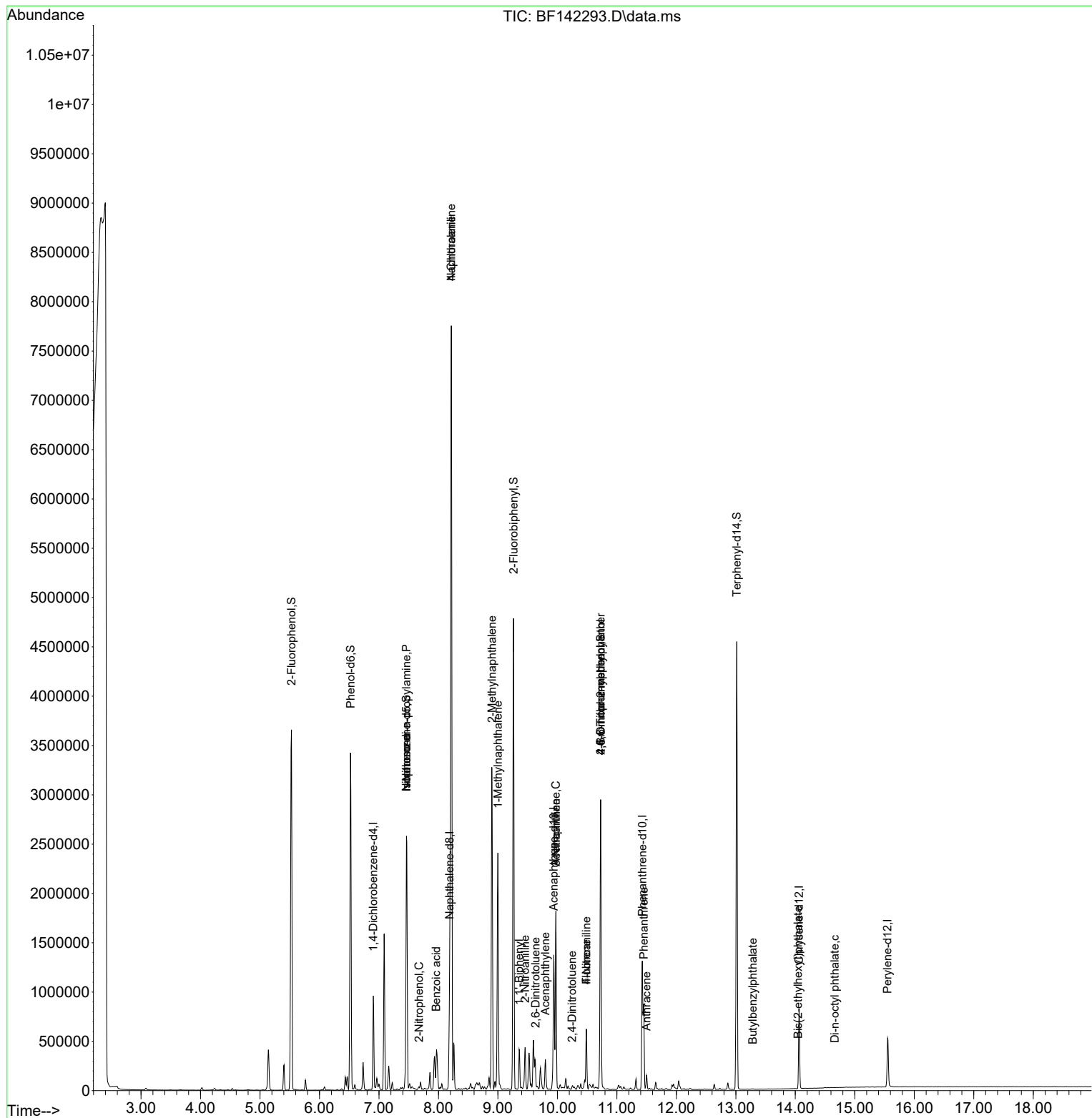
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	197683	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	756649	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	397461	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	651057	20.000	ng	0.00
76) Chrysene-d12	14.063	240	383117	20.000	ng	-0.01
86) Perylene-d12	15.551	264	300660	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1454384	117.498	ng	0.01
7) Phenol-d6	6.522	99	1633564	109.289	ng	0.00
23) Nitrobenzene-d5	7.463	82	1116010	96.899	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	520222	143.573	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2168877	76.939	ng	0.00
79) Terphenyl-d14	13.016	244	2240558	85.057	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	151416	16.393	ng	# 80
25) Isophorone	7.463	82	1113886	46.083	ng	# 64
26) 2-Nitrophenol	7.675	139	53	4.945	ng	# 1
31) Naphthalene	8.216	128	5326768	141.164	ng	96
32) Benzoic acid	7.963	122	4468	11.405	ng	# 1
33) 4-Chloroaniline	8.216	127	779533	49.610	ng	# 32
37) 2-Methylnaphthalene	8.898	142	1248966	53.834	ng	100
38) 1-Methylnaphthalene	8.998	142	874370	36.380	ng	99
46) 1,1'-Biphenyl	9.357	154	177786	5.754	ng	99
48) 2-Nitroaniline	9.457	65	2867	5.195	ng	# 22
49) Acenaphthylene	9.798	152	87882	2.265	ng	# 95
51) 2,6-Dinitrotoluene	9.634	165	2626	4.518	ng	# 52
52) Acenaphthene	9.975	154	547150	24.156	ng	99
53) 3-Nitroaniline	9.975	138	467	3.262	ng	# 2
57) 2,4-Dinitrotoluene	10.245	165	2525	5.410	ng	# 60
58) Fluorene	10.486	166	266289	10.314	ng	99
62) 4-Nitroaniline	10.486	138	2799	3.239	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.728	198	1054	10.994	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	31457	4.339	ng	# 1
71) Phenanthrene	11.451	178	448782	12.761	ng	98
72) Anthracene	11.498	178	77810	2.164	ng	98
80) Butylbenzylphthalate	13.286	149	56	3.722	ng	# 25
84) Bis(2-ethylhexyl)phtha...	14.045	149	513	3.490	ng	# 53
85) Di-n-octyl phthalate	14.663	149	170	6.074	ng	# 1

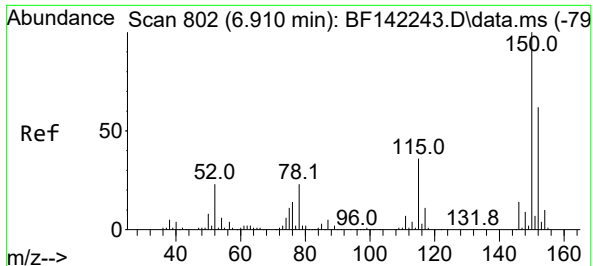
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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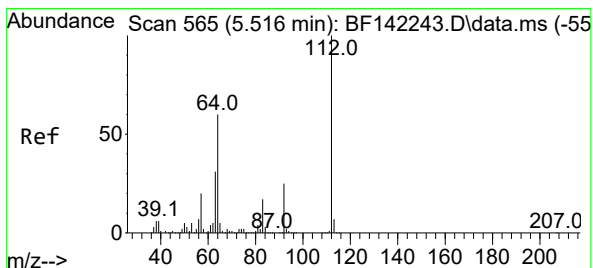
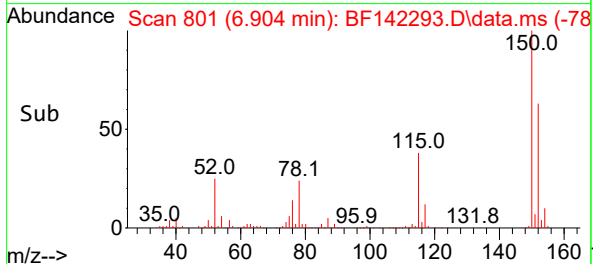
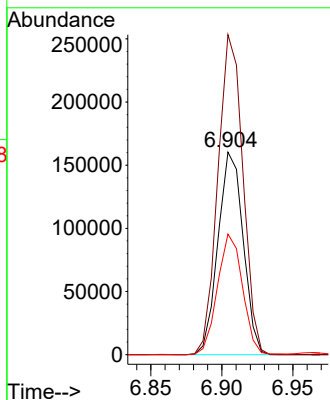
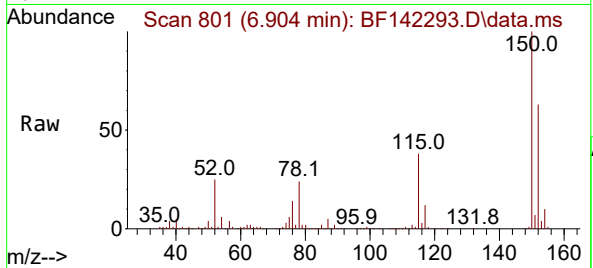




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

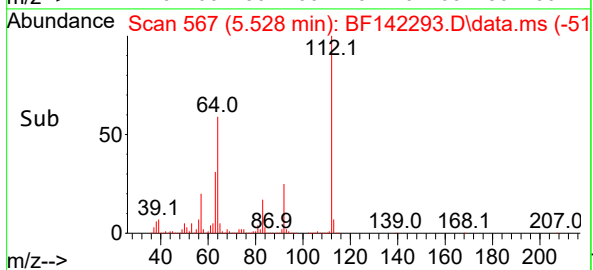
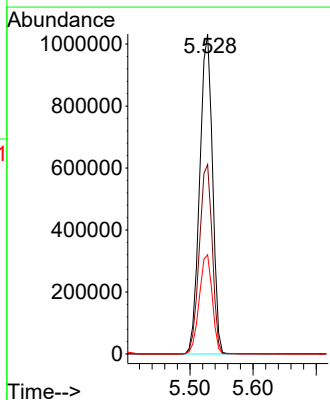
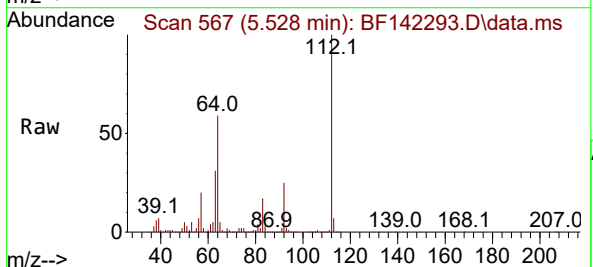
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

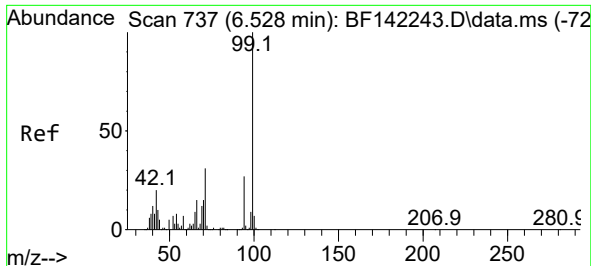
Tgt Ion:152 Resp: 197683
Ion Ratio Lower Upper
152 100
150 157.9 130.2 195.2
115 59.6 47.0 70.4



#5
2-Fluorophenol
Concen: 117.498 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion:112 Resp: 1454384
Ion Ratio Lower Upper
112 100
64 59.2 48.4 72.6
63 31.0 24.8 37.2

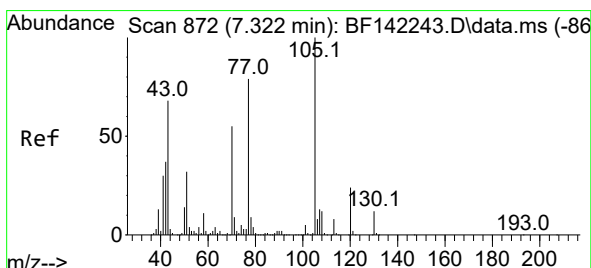
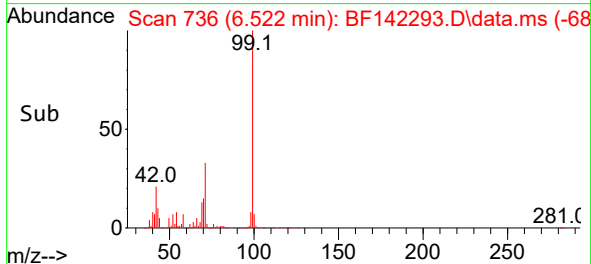
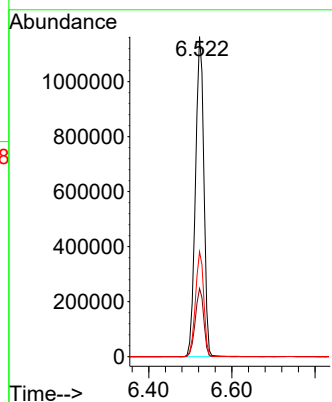
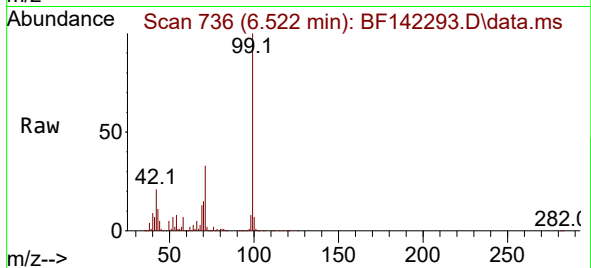




#7
Phenol-d6
Concen: 109.289 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

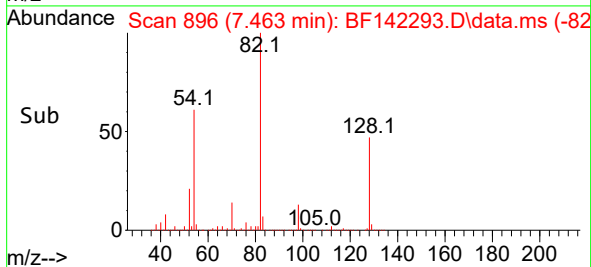
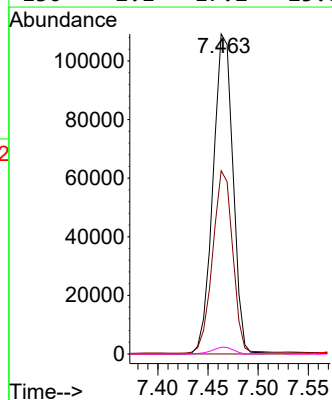
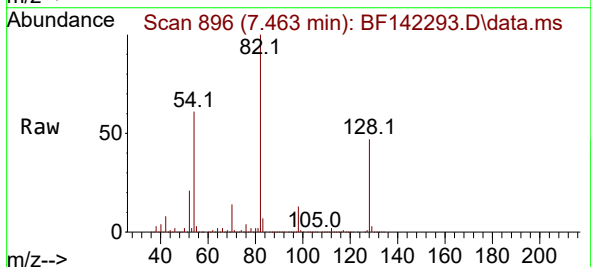
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

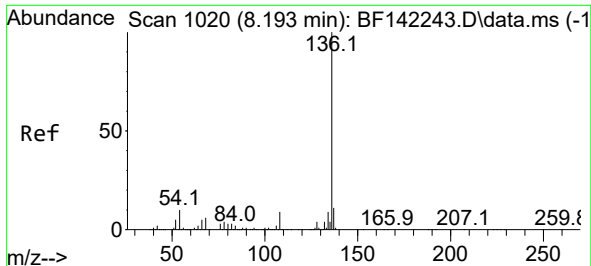
Tgt Ion: 99 Resp: 1633564
Ion Ratio Lower Upper
99 100
42 21.3 16.3 24.5
71 32.8 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.393 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion: 70 Resp: 151416
Ion Ratio Lower Upper
70 100
42 57.2 53.4 80.2
101 0.0 7.7 11.5#
130 2.1 17.2 25.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.187 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142293.D

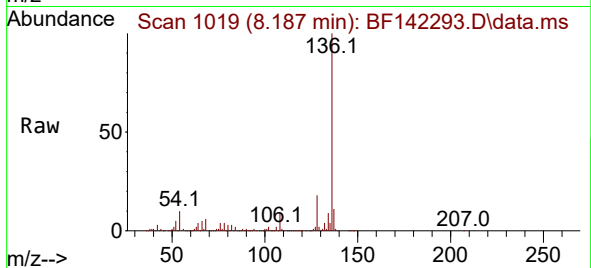
Acq: 02 May 2025 21:11

Instrument :

BNA_F

ClientSampleId :

WC-A4-02-C



Tgt Ion:136 Resp: 756649

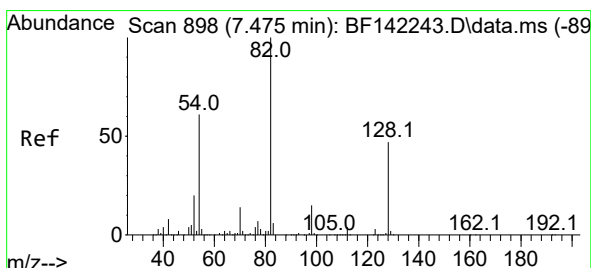
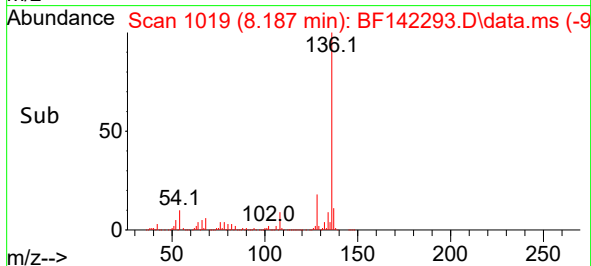
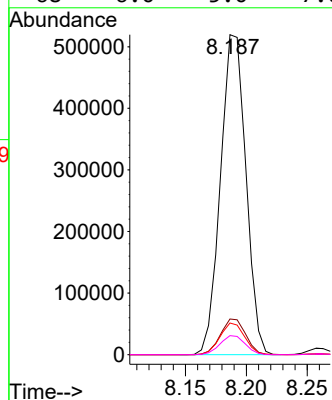
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 9.9 7.7 11.5

68 6.0 5.0 7.6



#23

Nitrobenzene-d5

Concen: 96.899 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF142293.D

Acq: 02 May 2025 21:11

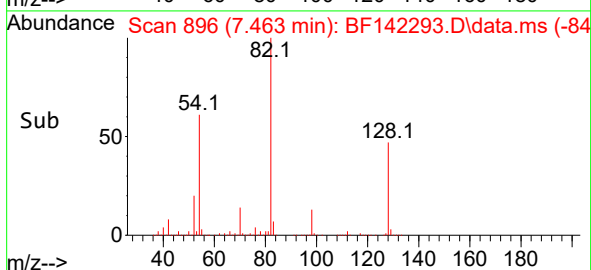
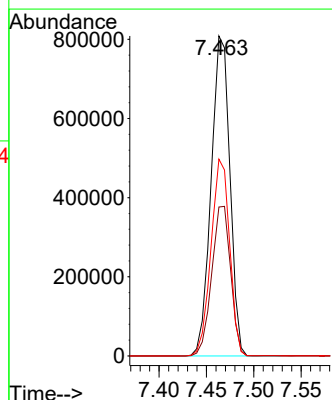
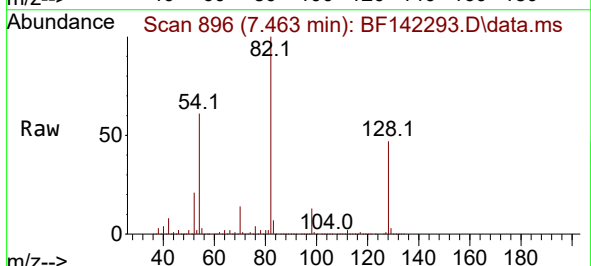
Tgt Ion: 82 Resp: 1116010

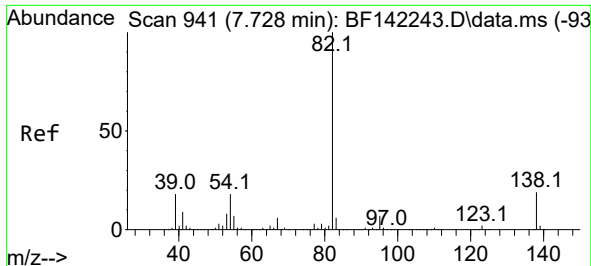
Ion Ratio Lower Upper

82 100

128 46.5 37.0 55.6

54 61.5 48.0 72.0

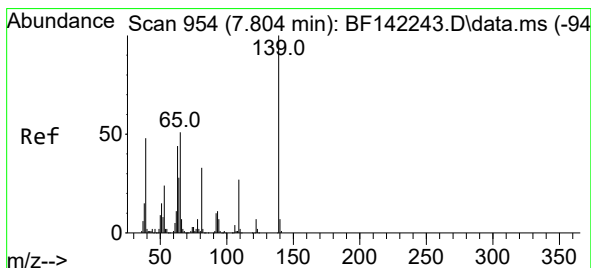
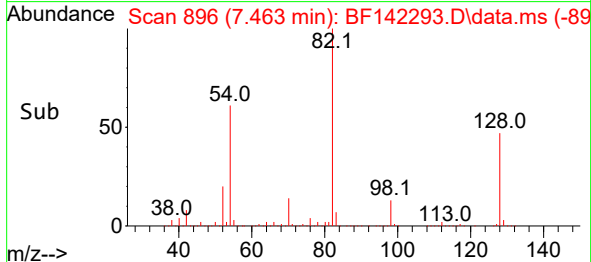
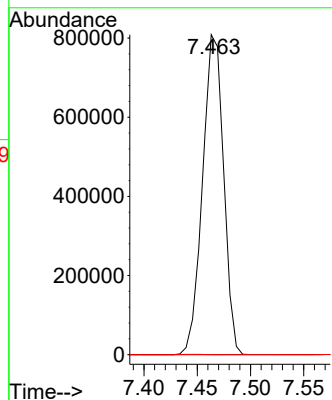
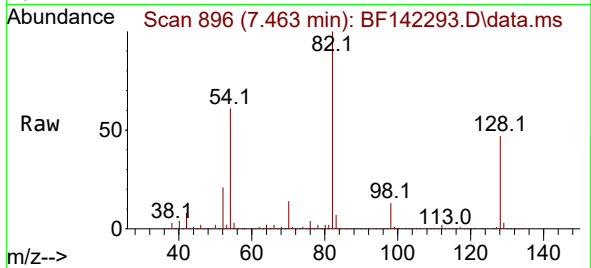




#25
Isophorone
Concen: 46.083 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

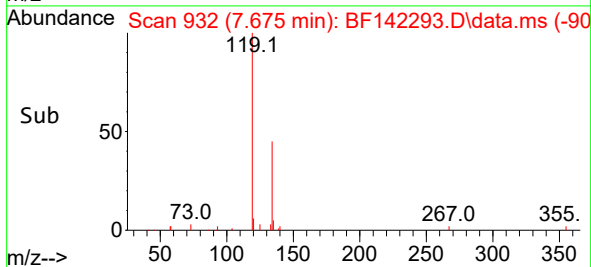
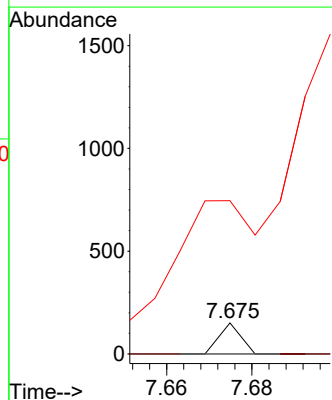
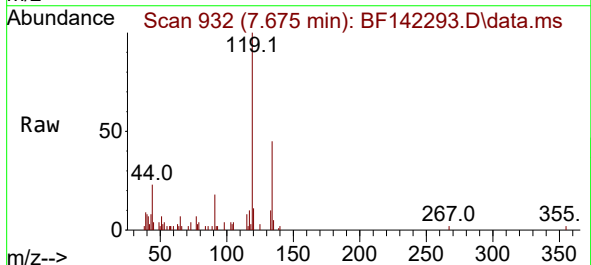
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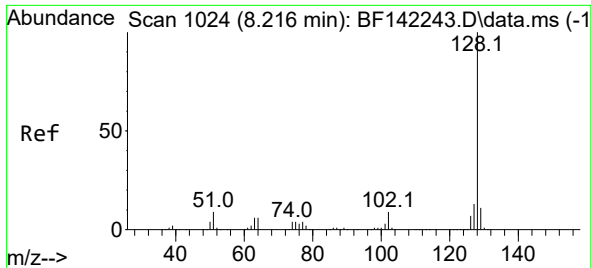
Tgt Ion: 82 Resp: 1113886
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.3 22.9#



#26
2-Nitrophenol
Concen: 4.945 ng
RT: 7.675 min Scan# 932
Delta R.T. -0.129 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion:139 Resp: 53
Ion Ratio Lower Upper
139 100
109 0.0 21.8 32.8#
65 494.0 41.1 61.7#

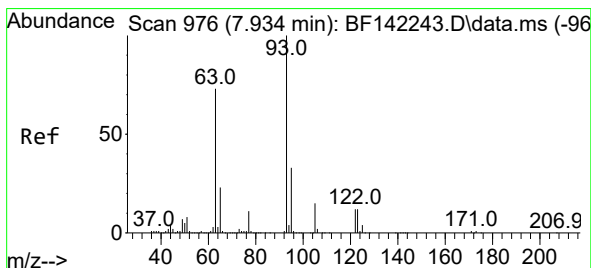
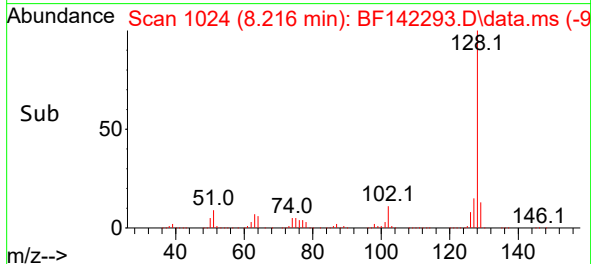
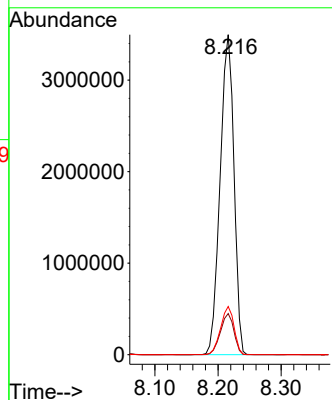
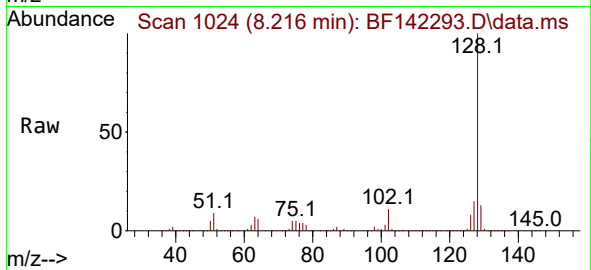




#31
Naphthalene
Concen: 141.164 ng
RT: 8.216 min Scan# 1024
Delta R.T. -0.000 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

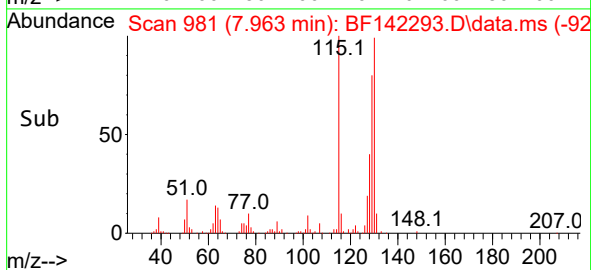
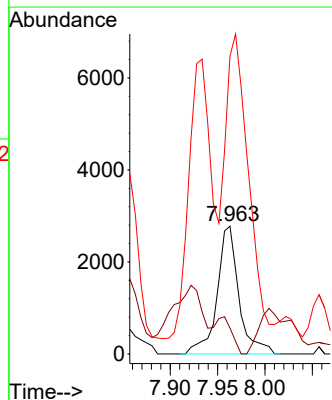
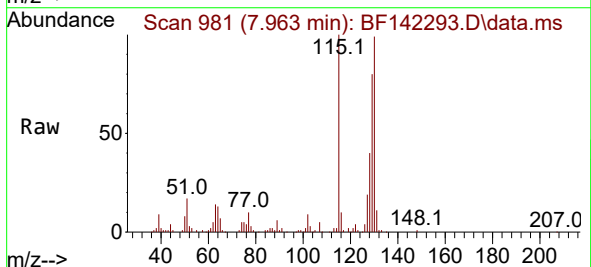
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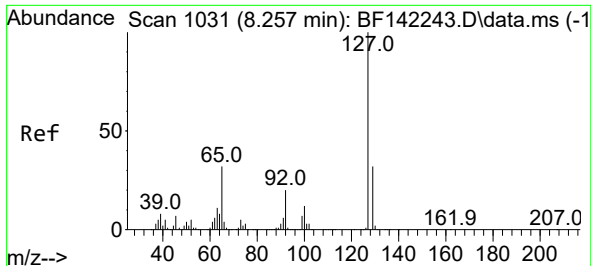
Tgt Ion:128 Resp: 5326768
Ion Ratio Lower Upper
128 100
129 12.9 9.0 13.4
127 15.1 10.6 15.8



#32
Benzoic acid
Concen: 11.405 ng
RT: 7.963 min Scan# 981
Delta R.T. 0.029 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion:122 Resp: 4468
Ion Ratio Lower Upper
122 100
105 20.3 98.2 138.2#
77 232.9 66.8 106.8#

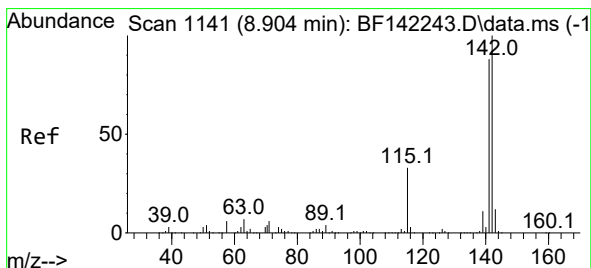
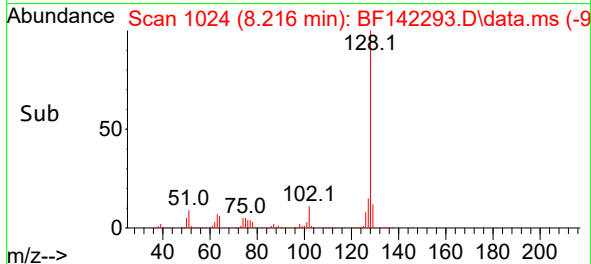
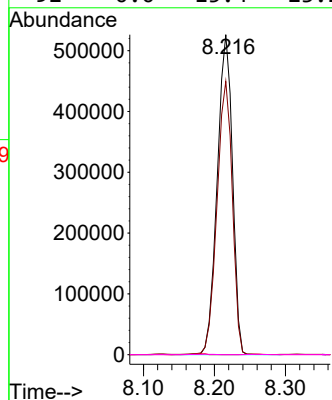
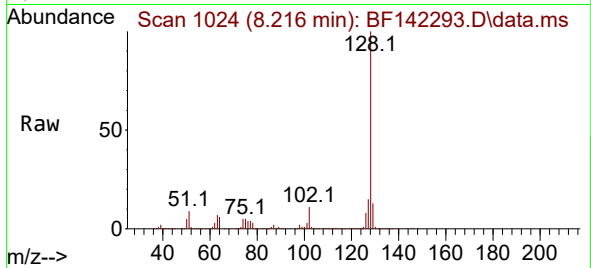




#33
4-Chloroaniline
Concen: 49.610 ng
RT: 8.216 min Scan# 110
Delta R.T. -0.041 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

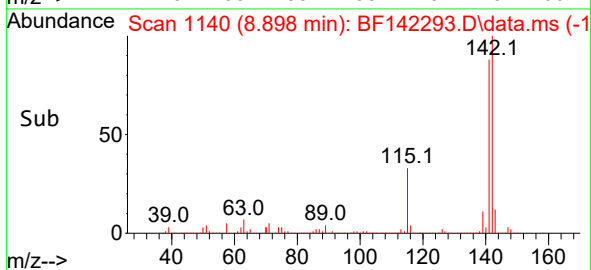
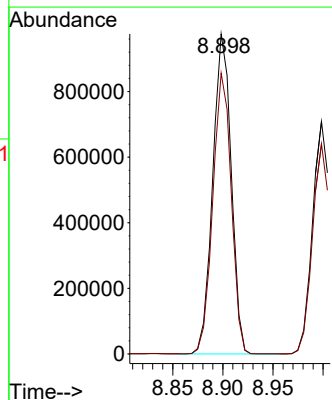
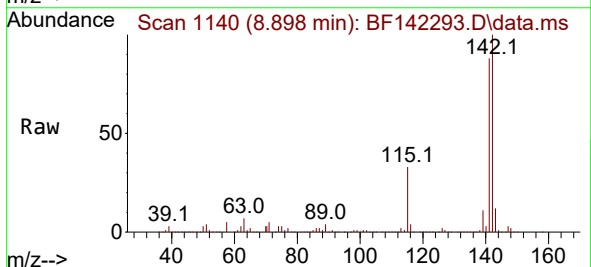
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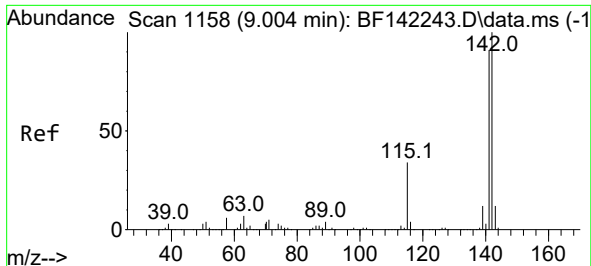
Tgt Ion:127 Resp: 779533
Ion Ratio Lower Upper
127 100
129 85.4 26.1 39.1#
65 0.0 25.5 38.3#
92 0.0 15.4 23.2#



#37
2-Methylnaphthalene
Concen: 53.834 ng
RT: 8.898 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion:142 Resp: 1248966
Ion Ratio Lower Upper
142 100
141 87.7 70.5 105.7





#38

1-Methylnaphthalene

Concen: 36.380 ng

RT: 8.998 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BF142293.D

Acq: 02 May 2025 21:11

Instrument :

BNA_F

ClientSampleId :

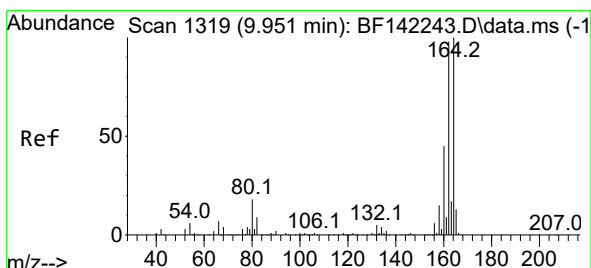
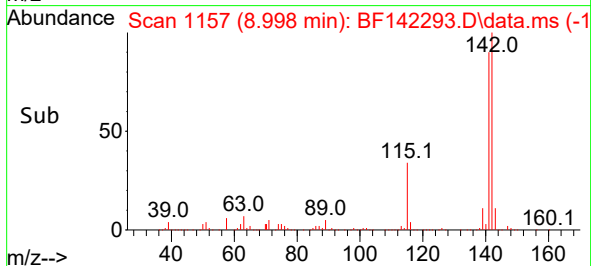
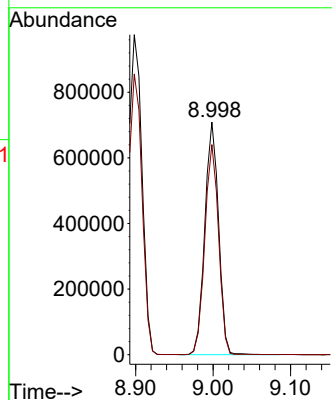
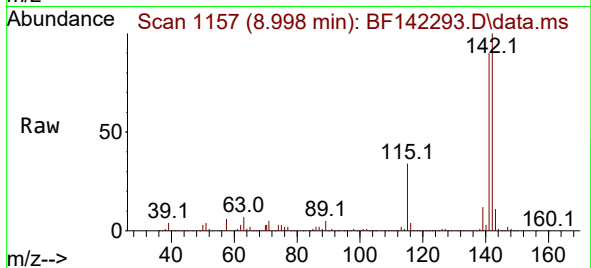
WC-A4-02-C

Tgt Ion:142 Resp: 874370

Ion Ratio Lower Upper

142 100

141 90.3 72.8 109.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.012 min

Lab File: BF142293.D

Acq: 02 May 2025 21:11

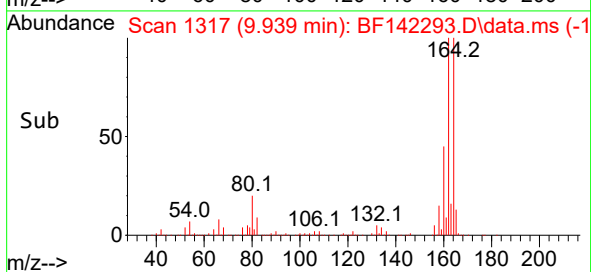
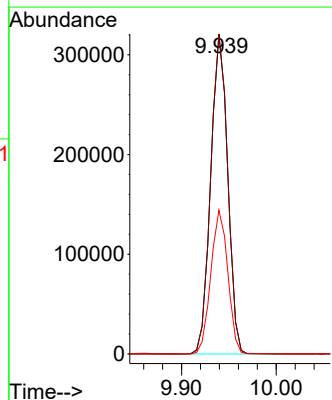
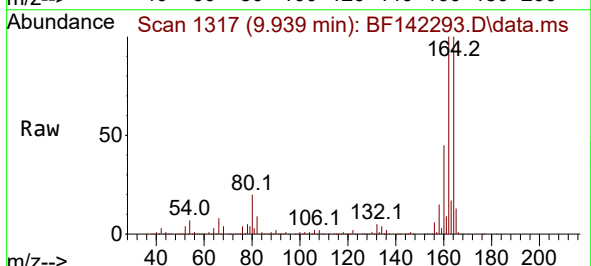
Tgt Ion:164 Resp: 397461

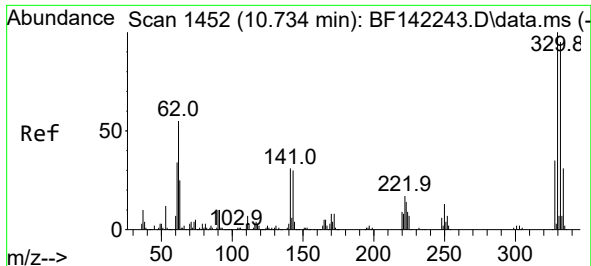
Ion Ratio Lower Upper

164 100

162 100.1 78.6 117.8

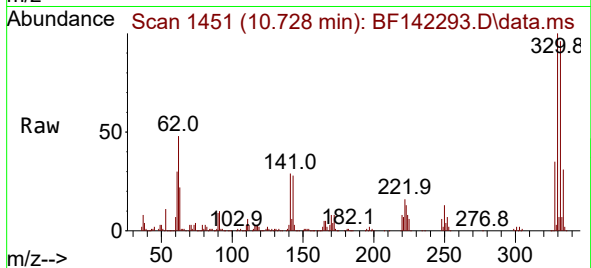
160 44.9 35.7 53.5



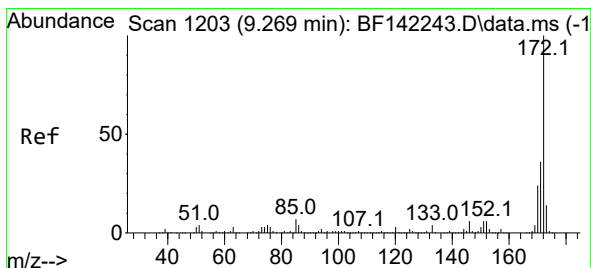
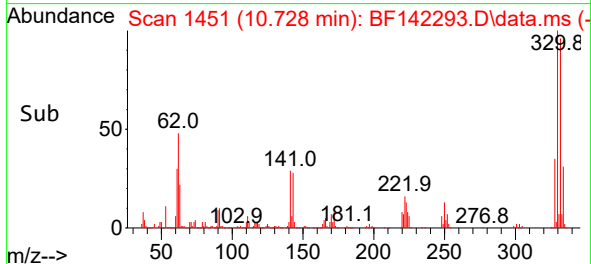
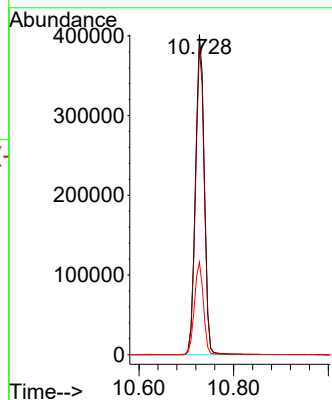


#42
2,4,6-Tribromophenol
Concen: 143.573 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

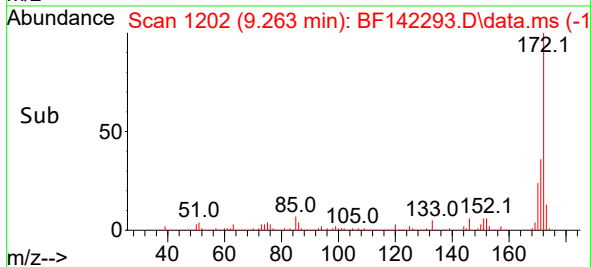
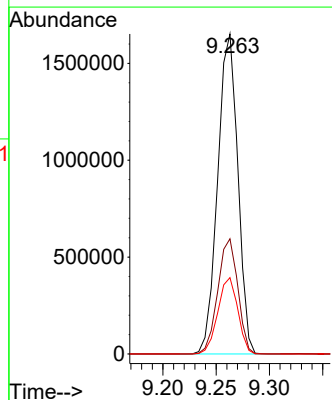
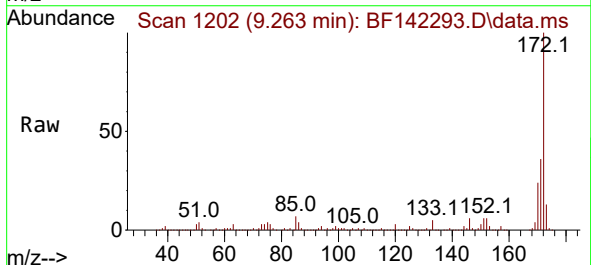


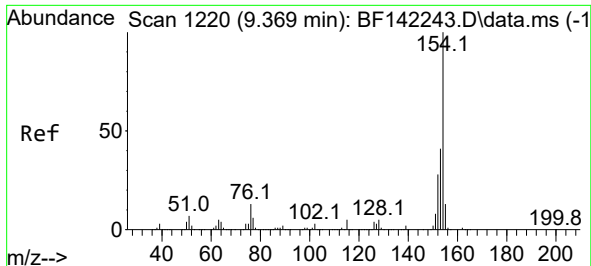
Tgt Ion:330 Resp: 520222
Ion Ratio Lower Upper
330 100
332 96.1 76.5 114.7
141 29.4 24.3 36.5



#45
2-Fluorobiphenyl
Concen: 76.939 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion:172 Resp: 2168877
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.4
170 23.8 19.4 29.0

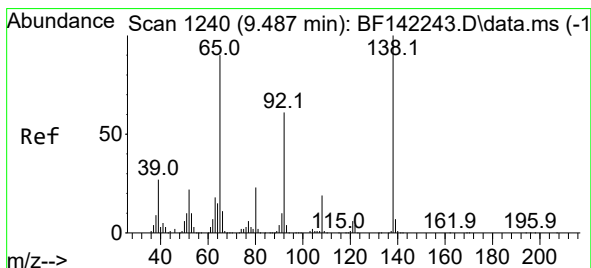
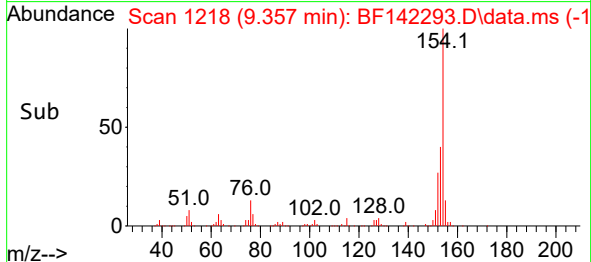
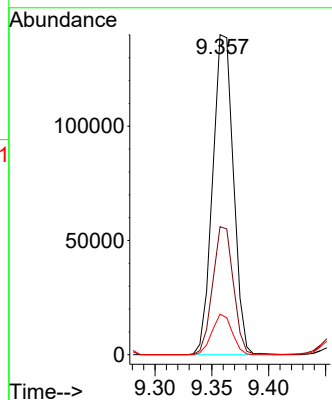
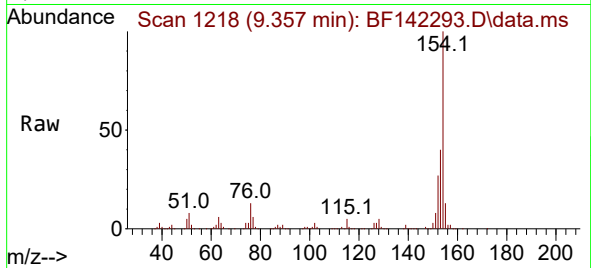




#46
1,1'-Biphenyl
Concen: 5.754 ng
RT: 9.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

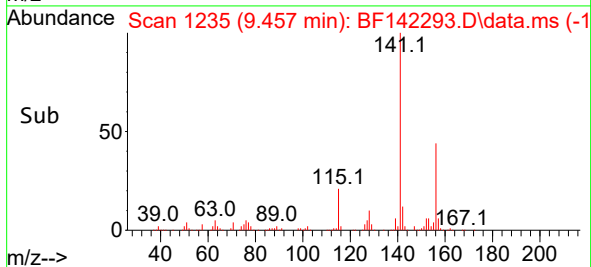
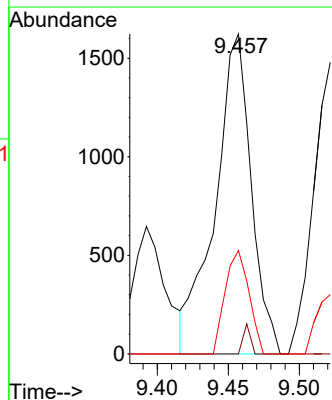
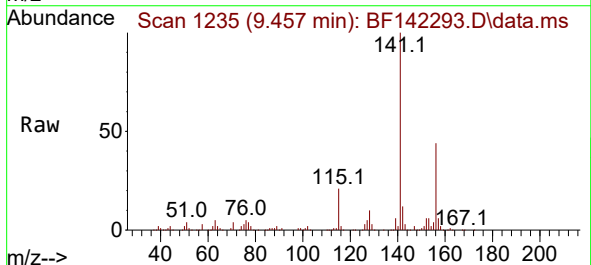
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

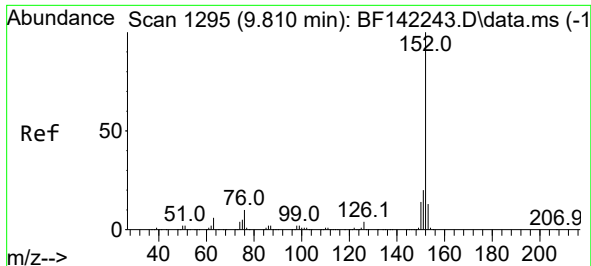
Tgt Ion:154 Resp: 177786
Ion Ratio Lower Upper
154 100
153 40.0 20.5 60.5
76 12.7 0.0 32.8



#48
2-Nitroaniline
Concen: 5.195 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.030 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion: 65 Resp: 2867
Ion Ratio Lower Upper
65 100
92 0.0 54.3 81.5#
138 32.3 88.6 133.0#





#49

Acenaphthylene

Concen: 2.265 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142293.D

Acq: 02 May 2025 21:11

Instrument :

BNA_F

ClientSampleId :

WC-A4-02-C

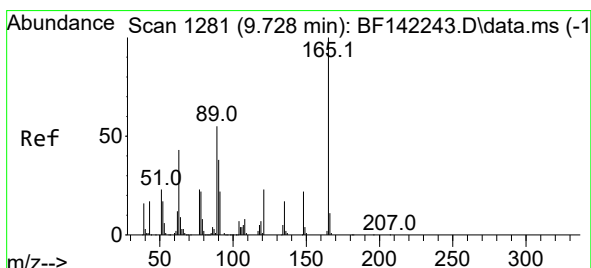
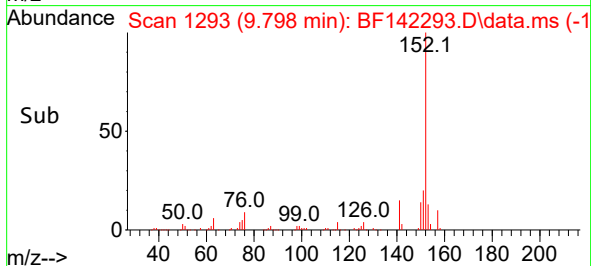
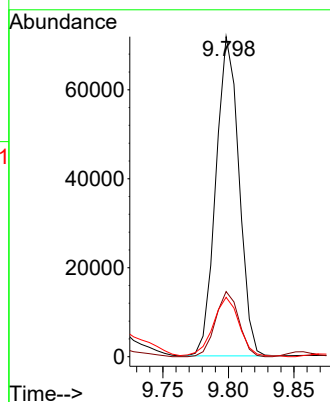
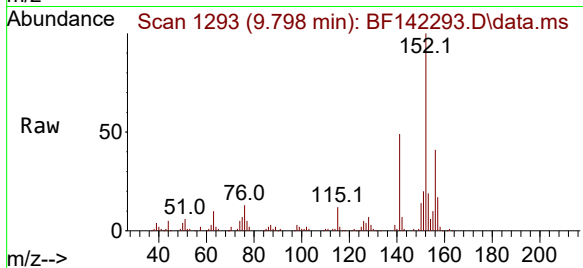
Tgt Ion:152 Resp: 87882

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 18.6 10.7 16.1#



#51

2,6-Dinitrotoluene

Concen: 4.518 ng

RT: 9.634 min Scan# 1265

Delta R.T. -0.094 min

Lab File: BF142293.D

Acq: 02 May 2025 21:11

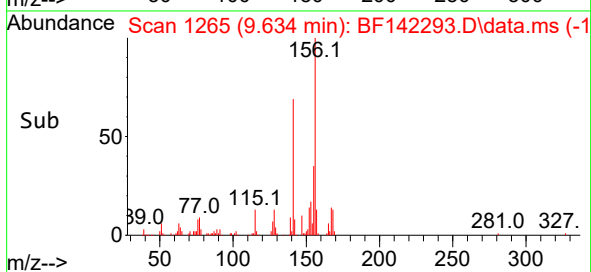
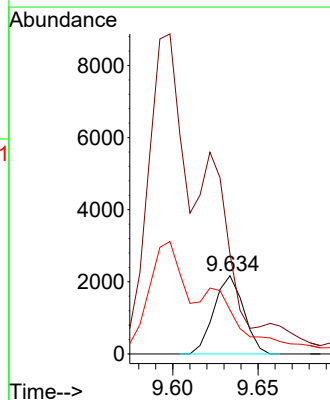
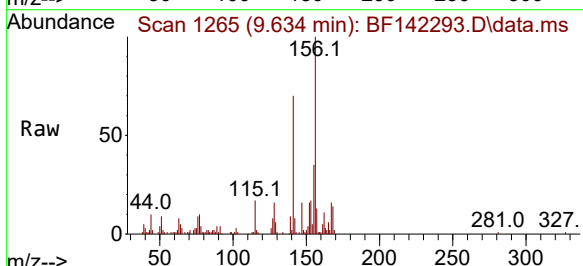
Tgt Ion:165 Resp: 2626

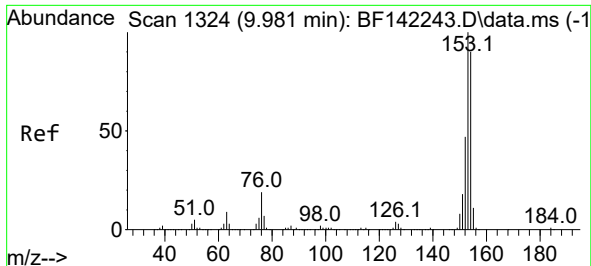
Ion Ratio Lower Upper

165 100

63 128.1 48.5 72.7#

89 56.3 43.9 65.9

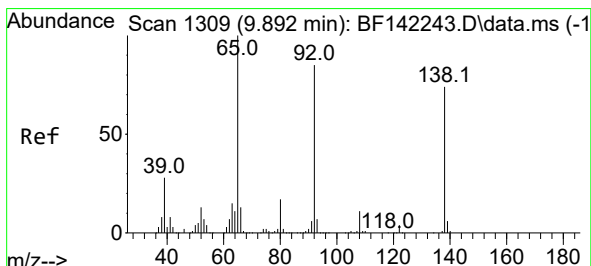
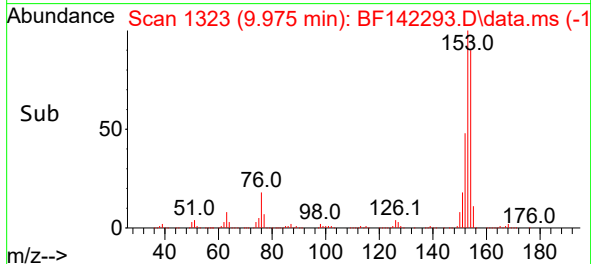
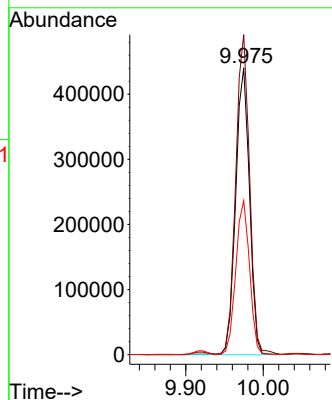
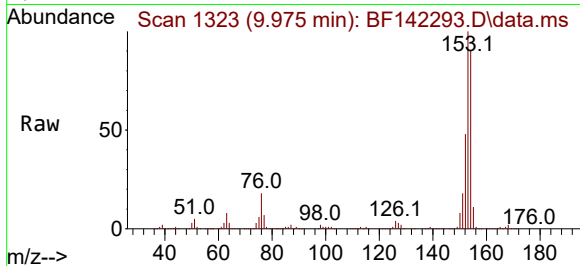




#52
Acenaphthene
Concen: 24.156 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

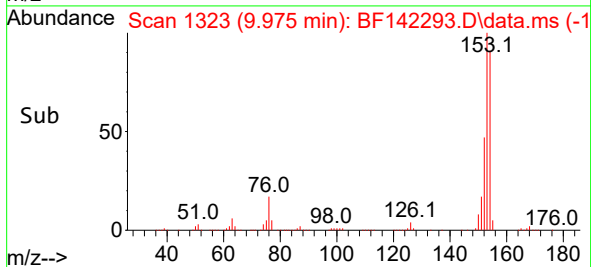
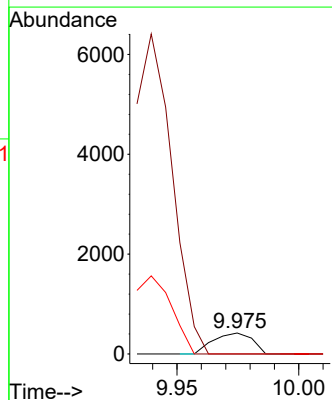
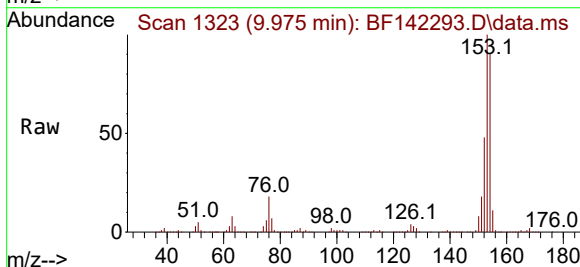
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

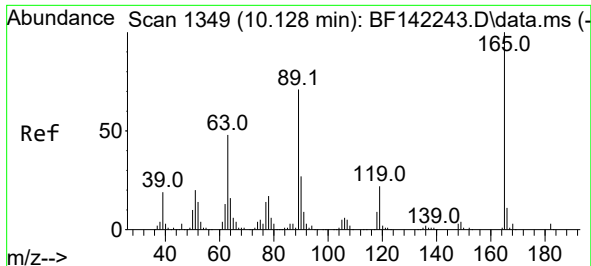
Tgt Ion:154 Resp: 547150
Ion Ratio Lower Upper
154 100
153 111.6 88.6 133.0
152 53.7 42.1 63.1



#53
3-Nitroaniline
Concen: 3.262 ng
RT: 9.975 min Scan# 1323
Delta R.T. 0.083 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion:138 Resp: 467
Ion Ratio Lower Upper
138 100
108 0.0 11.7 17.5#
92 0.0 91.2 136.8#

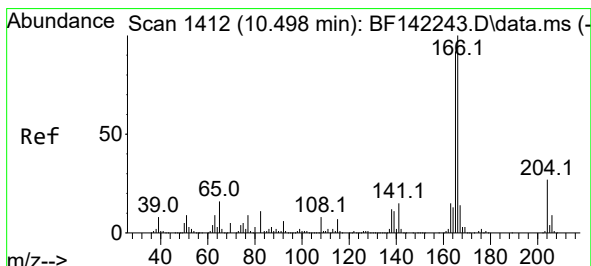
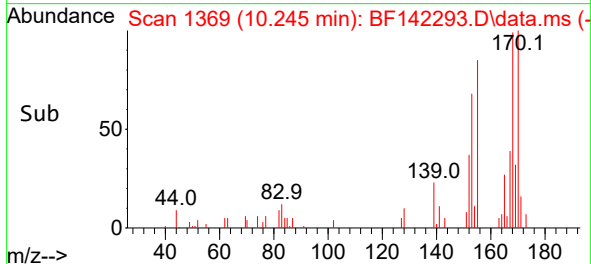
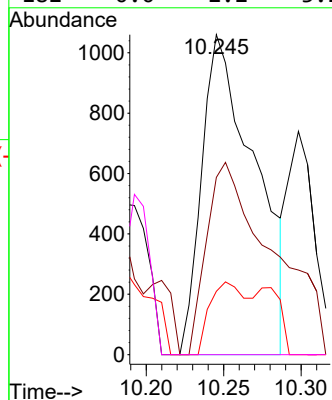
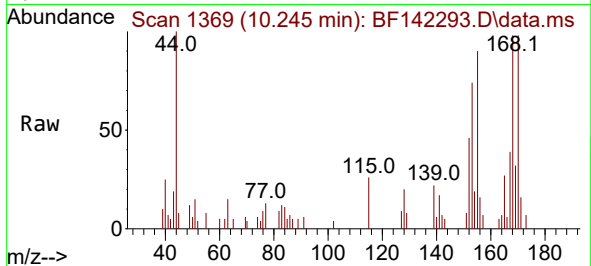




#57
2,4-Dinitrotoluene
Concen: 5.410 ng
RT: 10.245 min Scan# 11
Delta R.T. 0.117 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

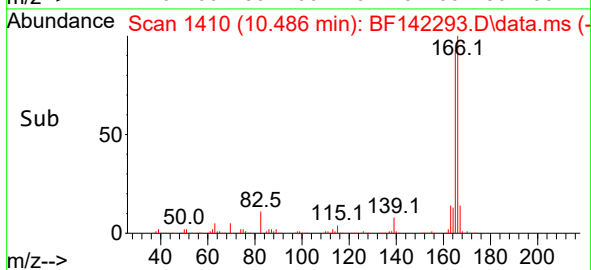
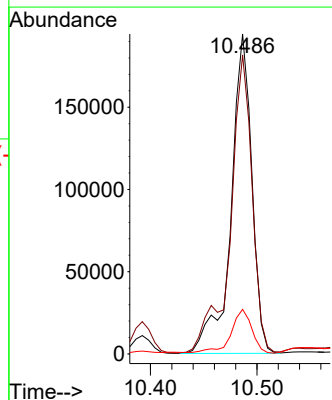
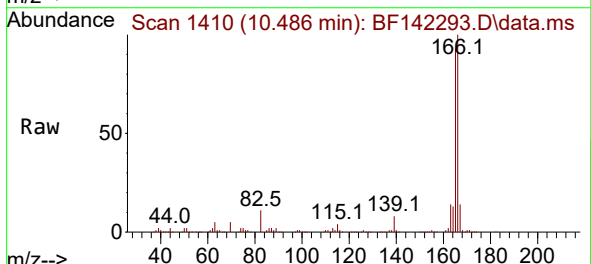
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

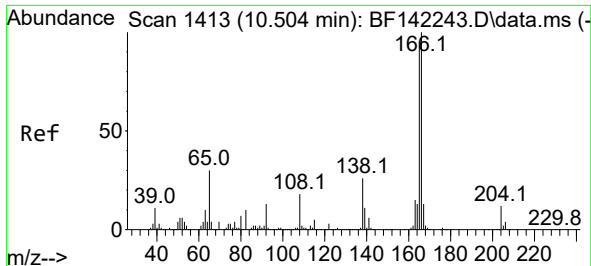
Tgt Ion:165 Resp: 2525
Ion Ratio Lower Upper
165 100
63 55.4 38.8 58.2
89 19.8 57.1 85.7#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 10.314 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion:166 Resp: 266289
Ion Ratio Lower Upper
166 100
165 93.5 73.9 110.9
167 14.0 10.8 16.2

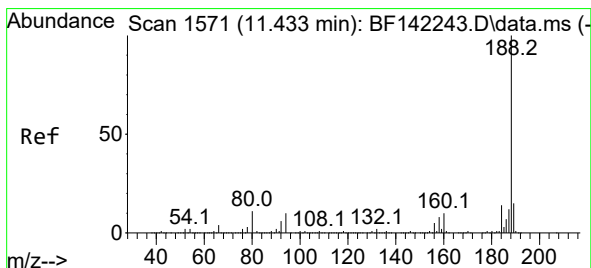
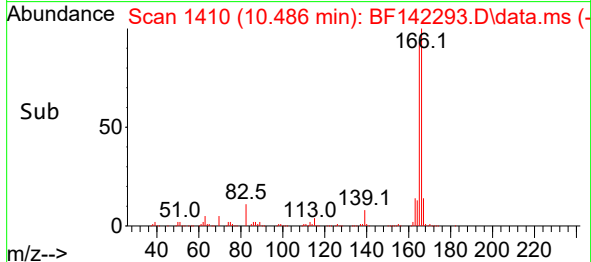
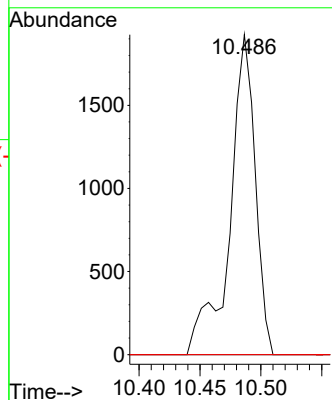
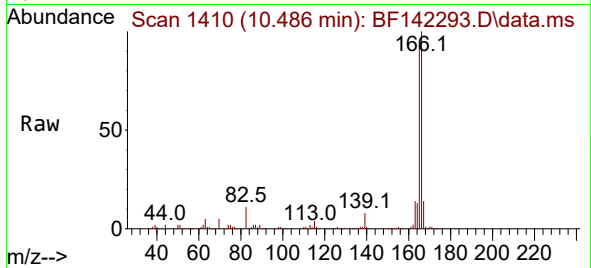




#62
4-Nitroaniline
Concen: 3.239 ng
RT: 10.486 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

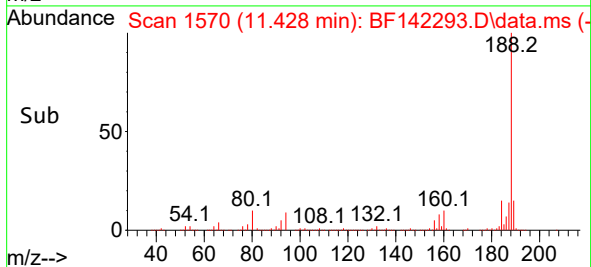
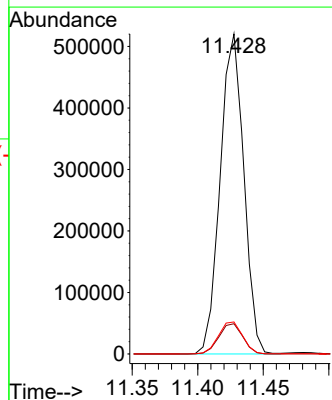
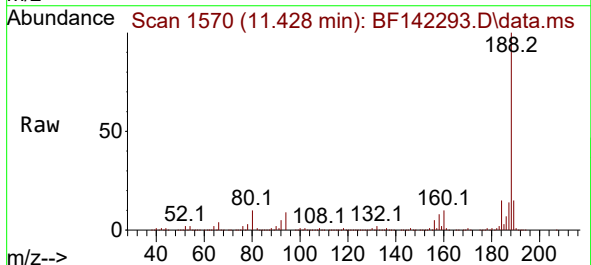
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

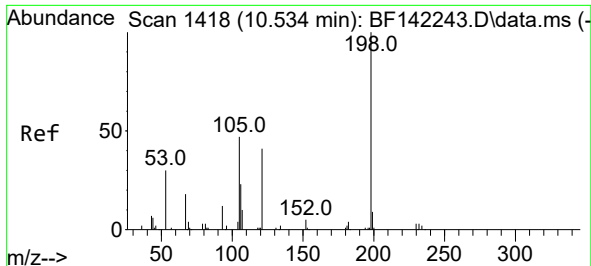
Tgt Ion:138 Resp: 2799
Ion Ratio Lower Upper
138 100
92 0.0 29.2 69.2#
108 0.0 49.1 89.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion:188 Resp: 651057
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.2
80 10.0 8.6 12.8

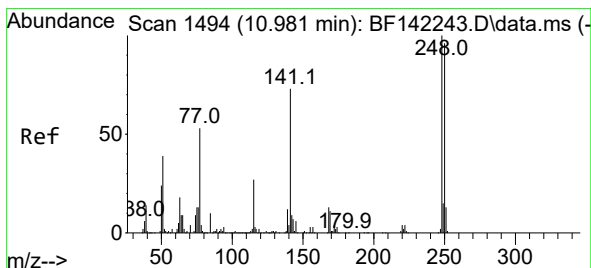
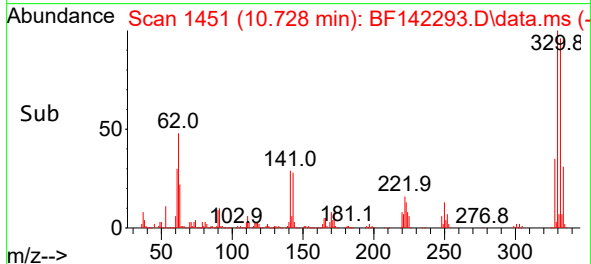
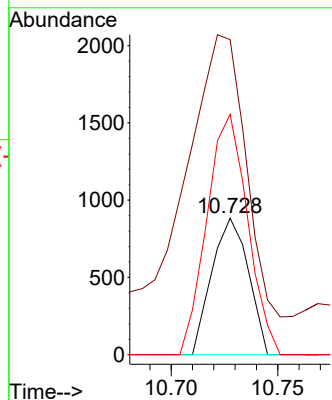
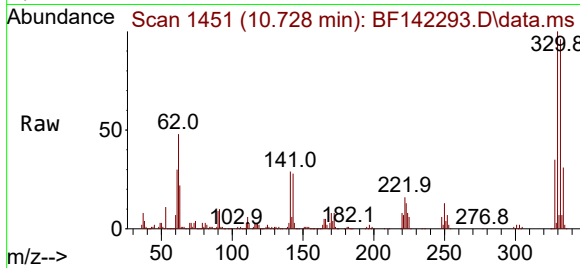




#65
4,6-Dinitro-2-methylphenol
Concen: 10.994 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.194 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

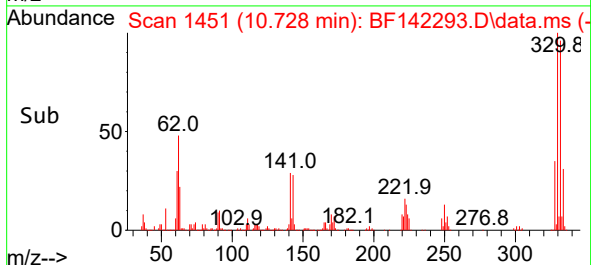
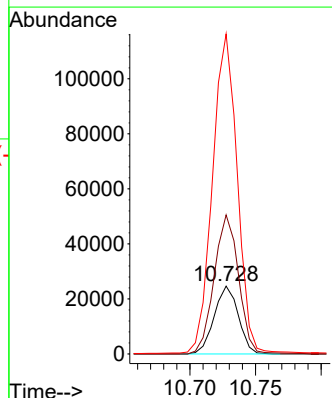
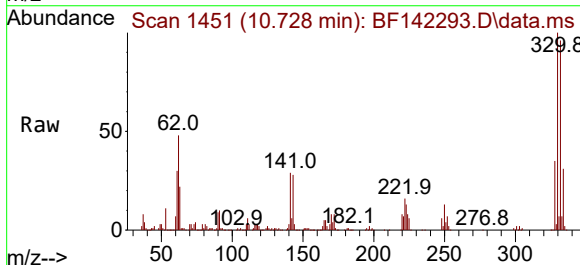
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

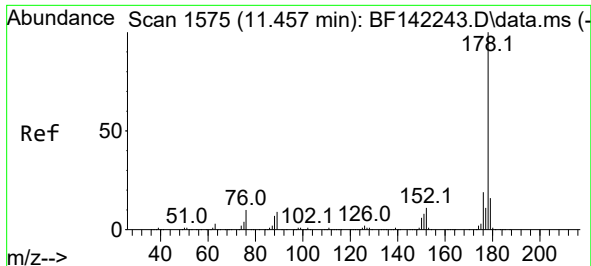
Tgt Ion:198 Resp: 1054
Ion Ratio Lower Upper
198 100
51 230.9 40.6 80.6#
105 176.1 29.2 69.2#



#67
4-Bromophenyl-phenylether
Concen: 4.339 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion:248 Resp: 31457
Ion Ratio Lower Upper
248 100
250 204.9 77.2 115.8#
141 471.6 58.4 87.6#

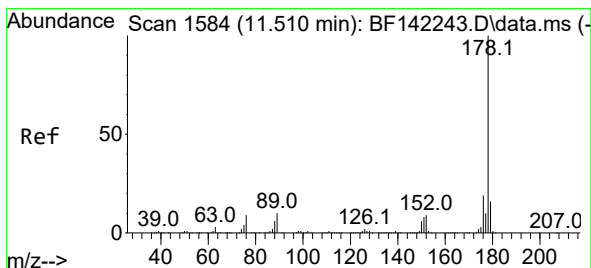
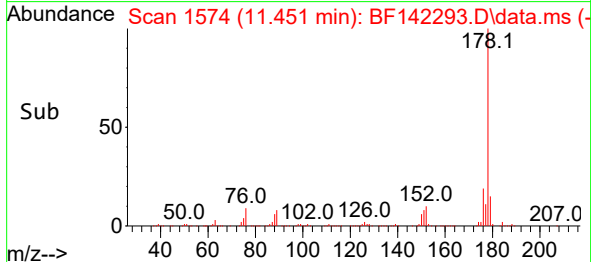
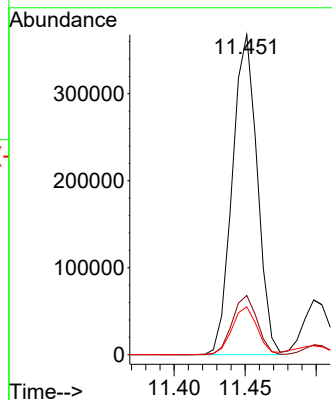
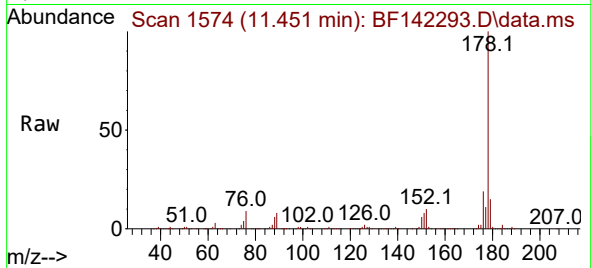




#71
Phenanthrene
Concen: 12.761 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

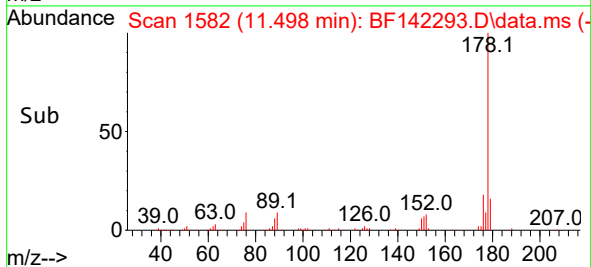
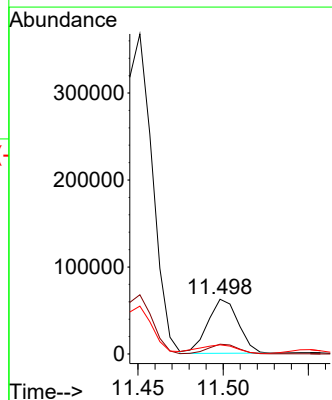
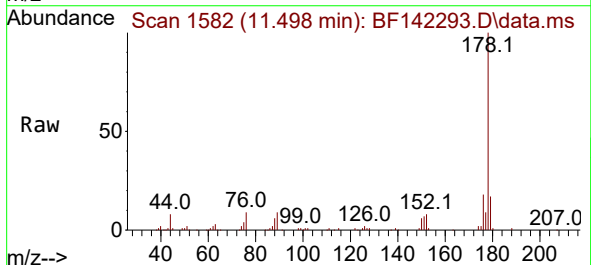
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

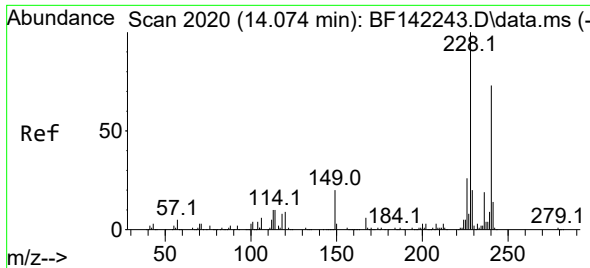
Tgt Ion:178 Resp: 448782
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.0 12.6 19.0



#72
Anthracene
Concen: 2.164 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

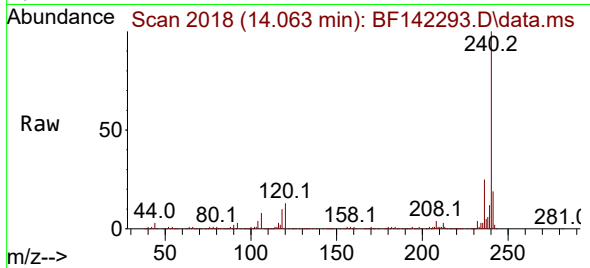
Tgt Ion:178 Resp: 77810
Ion Ratio Lower Upper
178 100
176 17.8 15.3 22.9
179 16.6 12.7 19.1



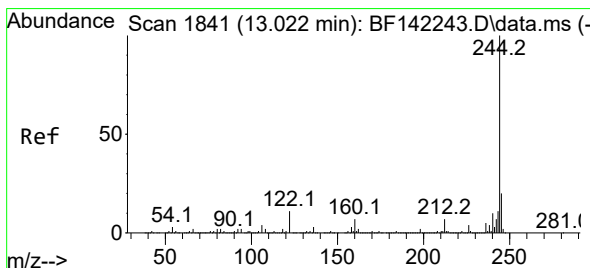
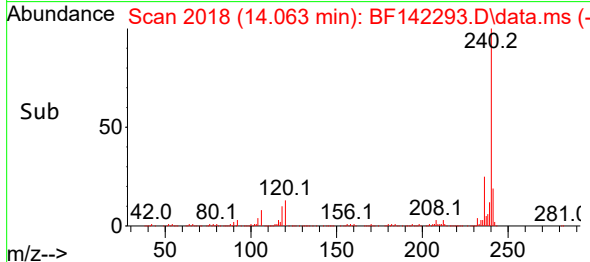
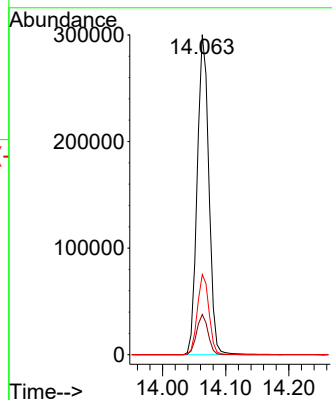


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

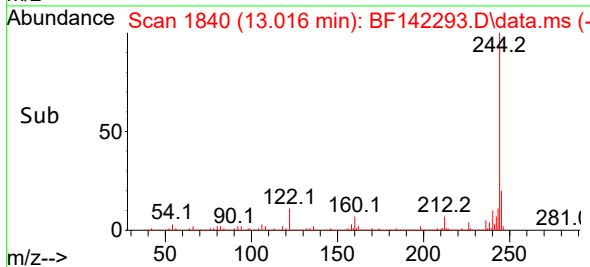
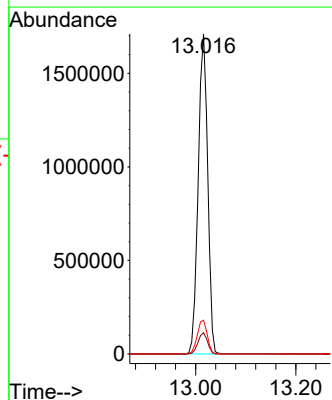
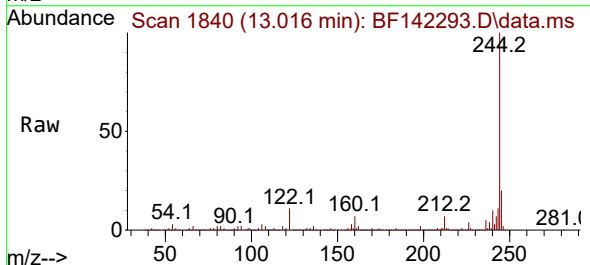


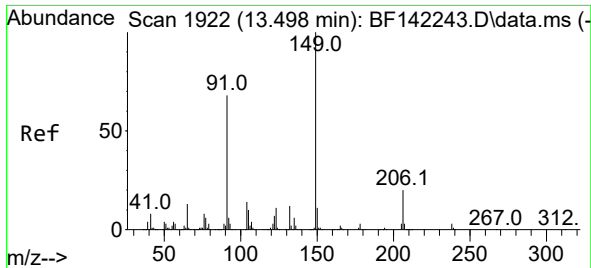
Tgt Ion:240 Resp: 383117
Ion Ratio Lower Upper
240 100
120 12.5 10.1 15.1
236 25.1 20.5 30.7



#79
Terphenyl-d14
Concen: 85.057 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion:244 Resp: 2240558
Ion Ratio Lower Upper
244 100
212 6.6 5.3 7.9
122 10.6 9.1 13.7

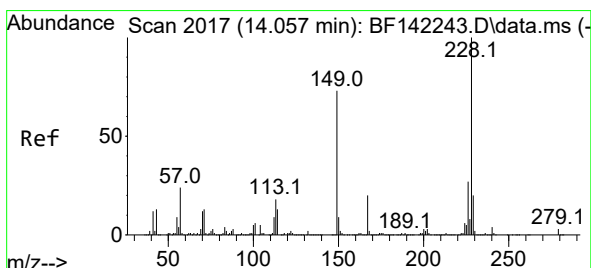
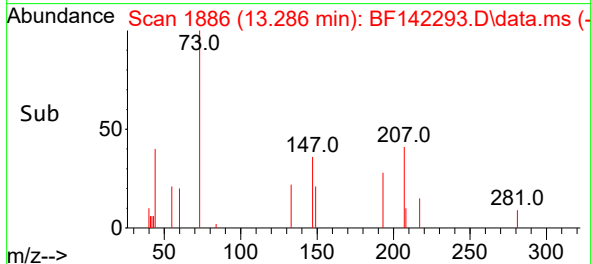
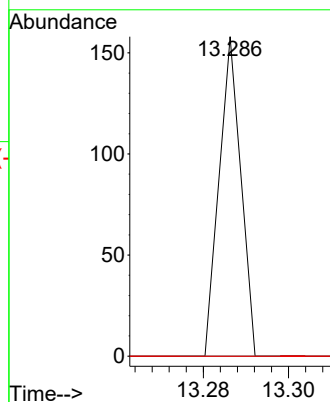
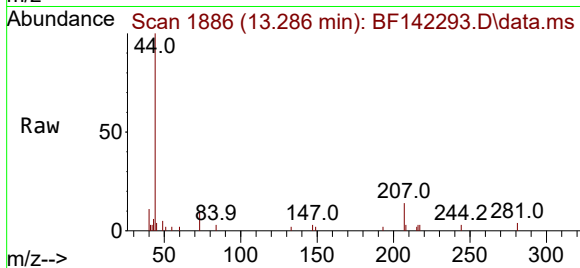




#80
 Butylbenzylphthalate
 Concen: 3.722 ng
 RT: 13.286 min Scan# 1886
 Delta R.T. -0.212 min
 Lab File: BF142293.D
 Acq: 02 May 2025 21:11

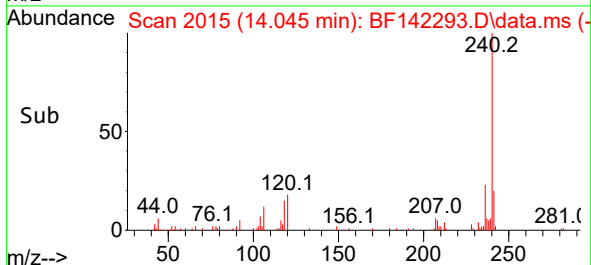
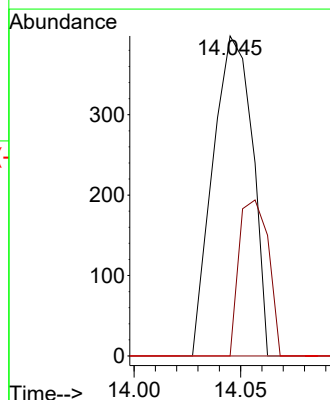
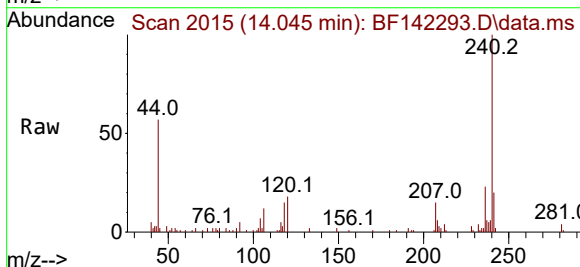
Instrument :
 BNA_F
 ClientSampleId :
 WC-A4-02-C

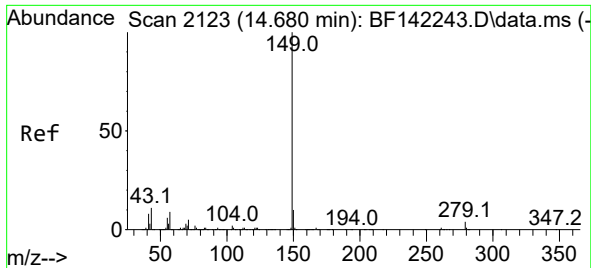
Tgt Ion:149	Resp:	56
Ion Ratio	Lower	Upper
149	100	
91	0.0	54.4 81.6#
206	0.0	15.9 23.9#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.490 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. -0.012 min
 Lab File: BF142293.D
 Acq: 02 May 2025 21:11

Tgt Ion:149	Resp:	513
Ion Ratio	Lower	Upper
149	100	
167	0.0	21.7 32.5#
279	0.0	3.0 4.4#

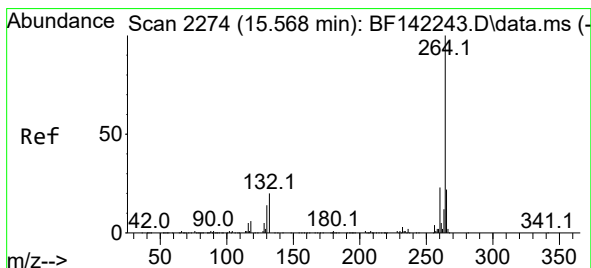
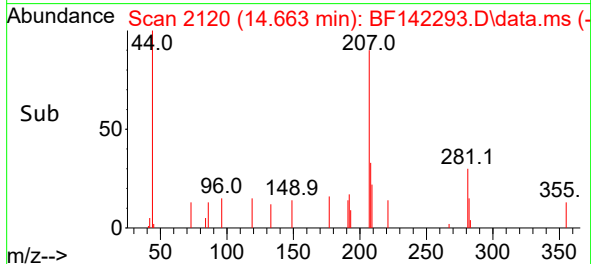
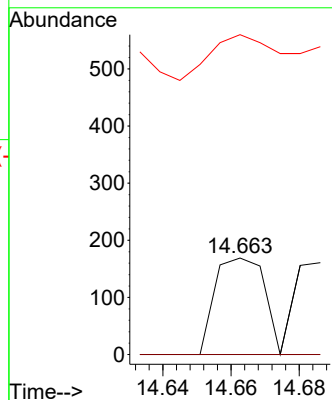
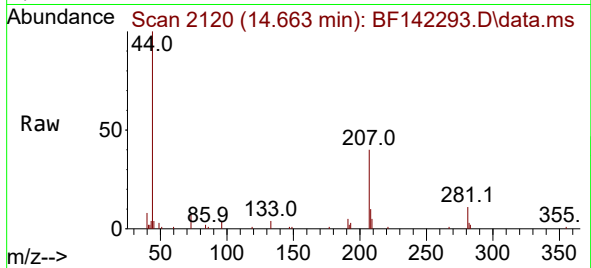




#85
Di-n-octyl phthalate
Concen: 6.074 ng
RT: 14.663 min Scan# 2123
Delta R.T. -0.017 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

Tgt Ion:149 Resp: 170
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 59.4 9.3 13.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.018 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

Tgt Ion:264 Resp: 300660
Ion Ratio Lower Upper
264 100
260 22.7 18.4 27.6
265 21.4 17.3 25.9

