

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142376.D
 Acq On : 14 May 2025 20:08
 Operator : RC/JU
 Sample : Q2001-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-07-C

Quant Time: May 15 01:04:11 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)

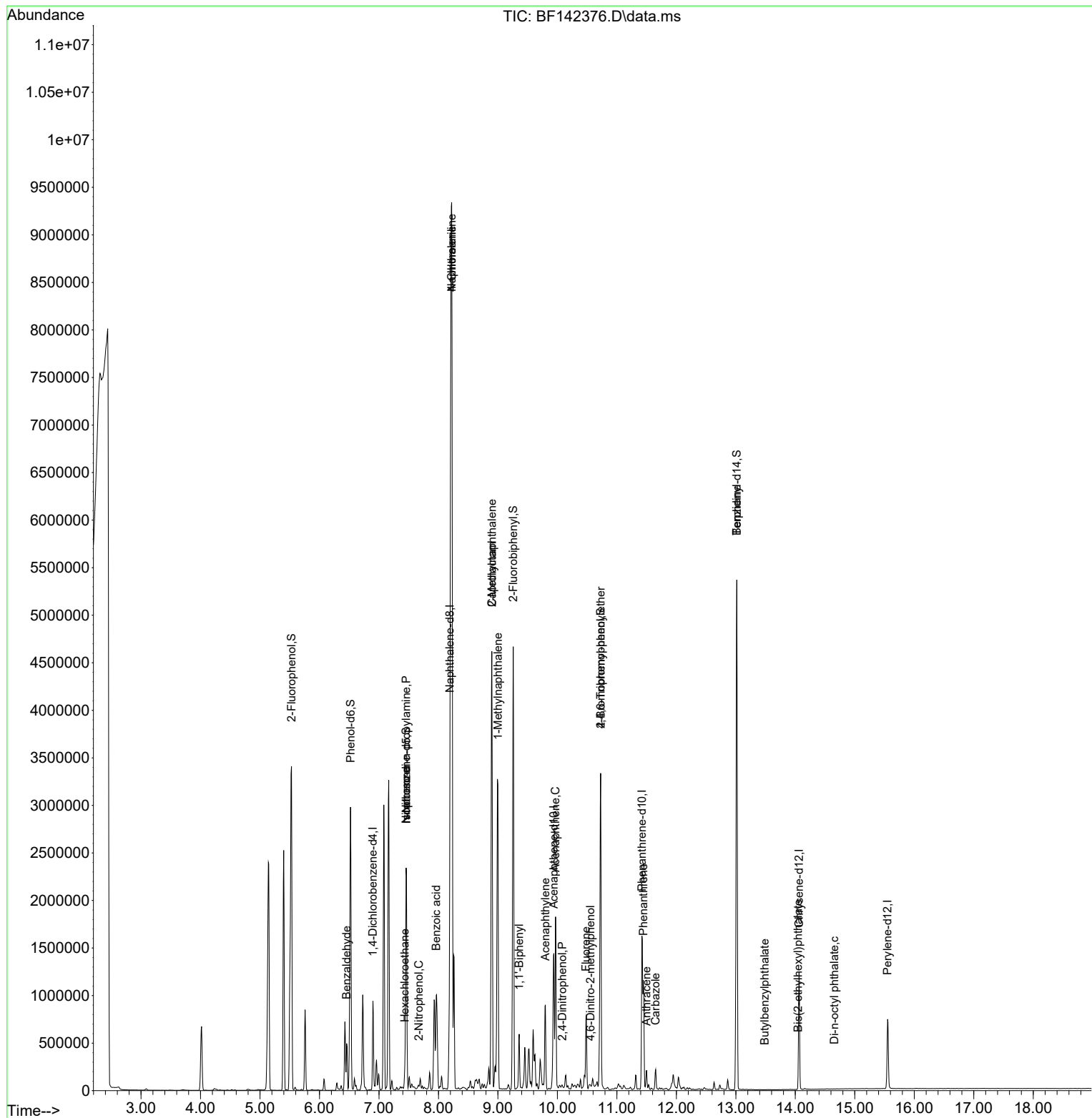
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	199865	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	707145	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	459545	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	871277	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	591876	20.000	ng	0.00
86) Perylene-d12	15.551	264	437970	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1262942	107.870	ng	0.02
7) Phenol-d6	6.522	99	1470755	102.136	ng	0.00
23) Nitrobenzene-d5	7.457	82	1040446	89.732	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	677433	152.684	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2266766	70.333	ng	0.00
79) Terphenyl-d14	13.016	244	2844452	71.131	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	24973	2.963	ng	# 1
18) Hexachloroethane	7.434	117	26506	5.543	ng	# 1
19) n-Nitroso-di-n-propyla...	7.457	70	139171	15.624	ng	# 77
25) Isophorone	7.457	82	903143	41.133	ng	# 62
26) 2-Nitrophenol	7.669	139	242	4.129	ng	# 1
31) Naphthalene	8.222	128	9403570	274.378	ng	# 94
32) Benzoic acid	7.963	122	11566	8.002	ng	# 1
33) 4-Chloroaniline	8.222	127	1427712	102.090	ng	# 33
35) Caprolactam	8.898	113	39292	14.365	ng	# 1
37) 2-Methylnaphthalene	8.898	142	1988781	93.387	ng	99
38) 1-Methylnaphthalene	8.998	142	1371527	61.791	ng	100
46) 1,1'-Biphenyl	9.357	154	267923	7.604	ng	99
49) Acenaphthylene	9.798	152	479691	10.943	ng	98
52) Acenaphthene	9.969	154	572085	21.705	ng	98
54) 2,4-Dinitrophenol	10.080	184	224	7.732	ng	# 17
58) Fluorene	10.480	166	378460	12.749	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	194	7.226	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	39491	3.999	ng	# 1
71) Phenanthrene	11.445	178	598524	13.105	ng	98
72) Anthracene	11.498	178	103034	2.196	ng	98
73) Carbazole	11.651	167	117304	2.786	ng	97
77) Benzidine	13.016	184	35862	3.334	ng	# 96
80) Butylbenzylphthalate	13.486	149	211	3.672	ng	# 35
84) Bis(2-ethylhexyl)phtha...	14.045	149	988	4.282	ng	# 76
85) Di-n-octyl phthalate	14.657	149	400	7.849	ng	# 73

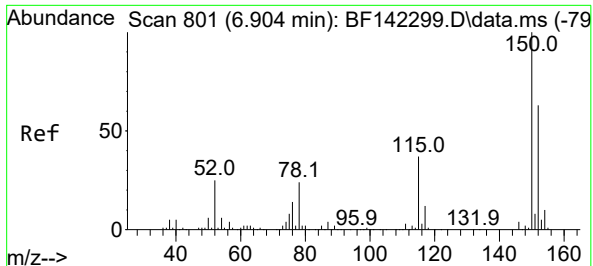
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
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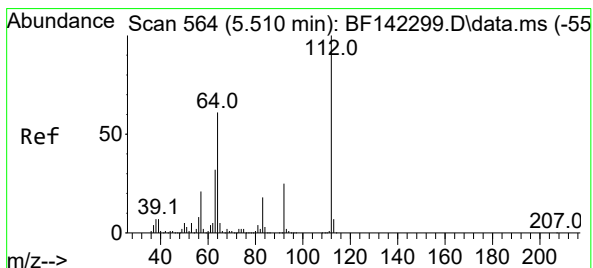
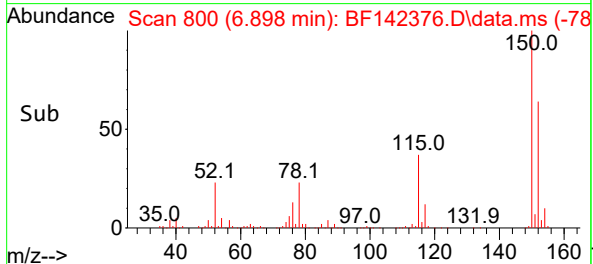
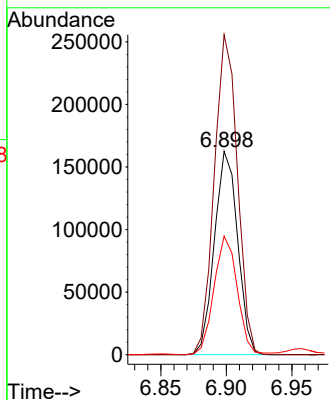
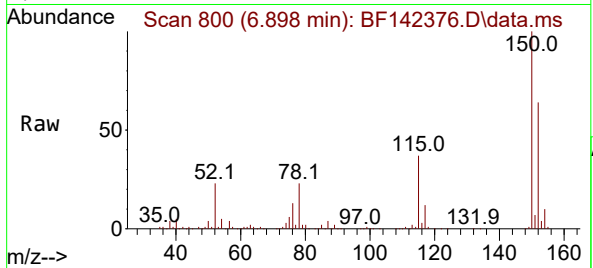




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

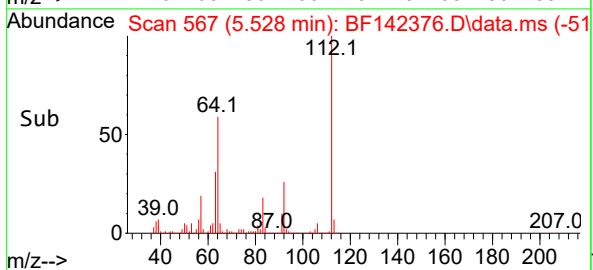
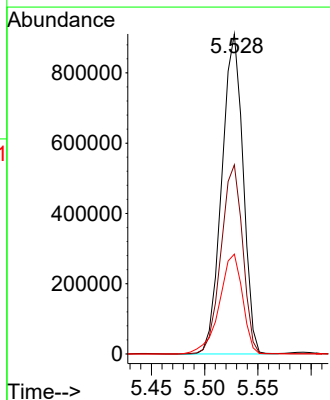
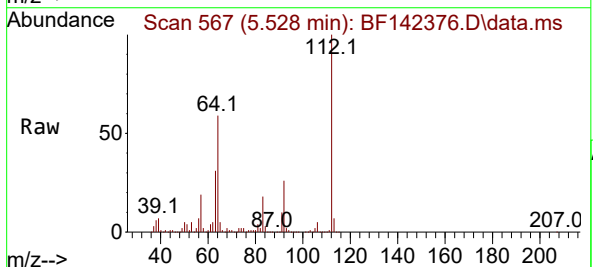
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BNA_F
ClientSampleId :
WC-A1-07-C

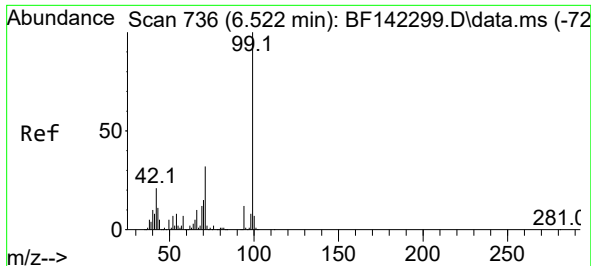
Tgt Ion:152 Resp: 199865
Ion Ratio Lower Upper
152 100
150 157.4 126.6 190.0
115 58.3 47.3 70.9



#5
2-Fluorophenol
Concen: 107.870 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion:112 Resp: 1262942
Ion Ratio Lower Upper
112 100
64 59.1 48.9 73.3
63 31.2 25.6 38.4

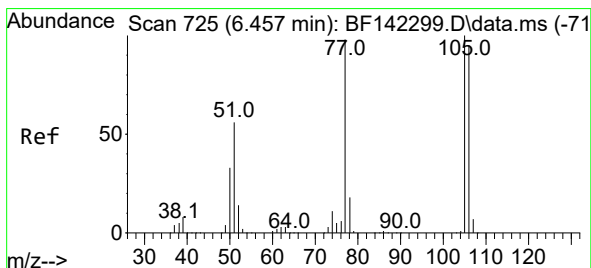
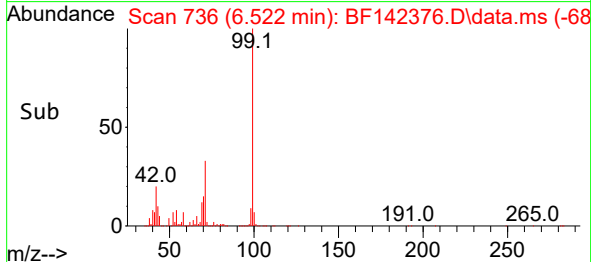
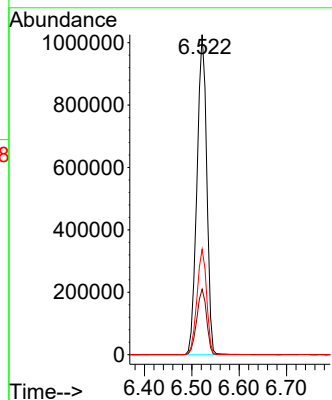
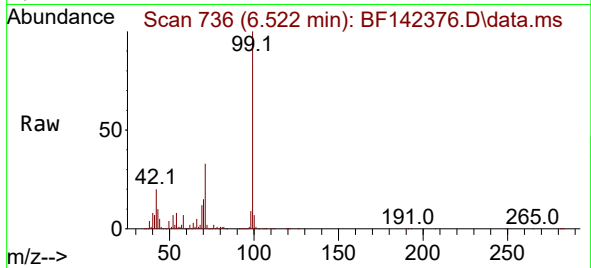




#7
Phenol-d6
Concen: 102.136 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

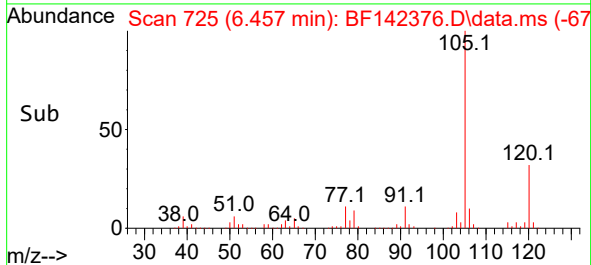
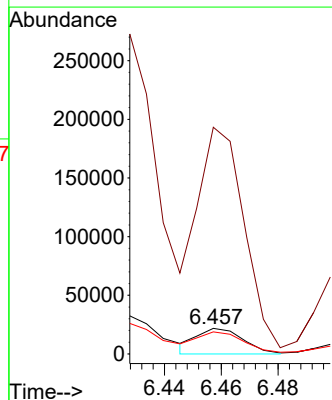
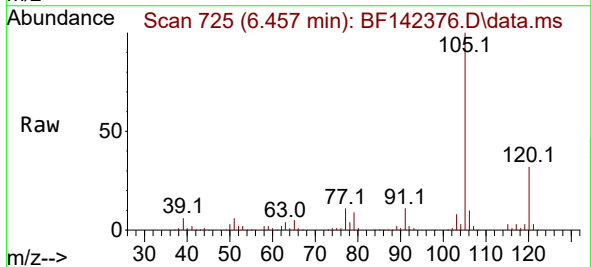
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

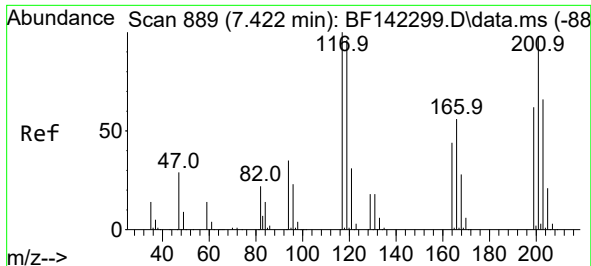
Tgt Ion: 99 Resp: 1470755
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.4
71 32.9 25.8 38.8



#9
Benzaldehyde
Concen: 2.963 ng
RT: 6.457 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion: 77 Resp: 24973
Ion Ratio Lower Upper
77 100
105 885.6 82.0 122.0#
106 86.2 77.2 117.2

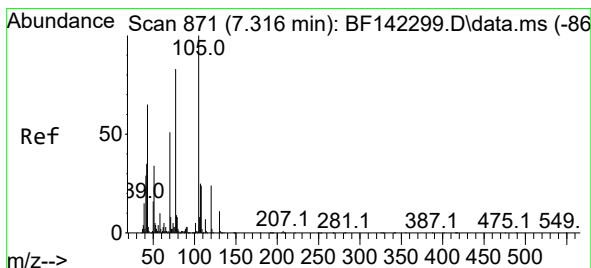
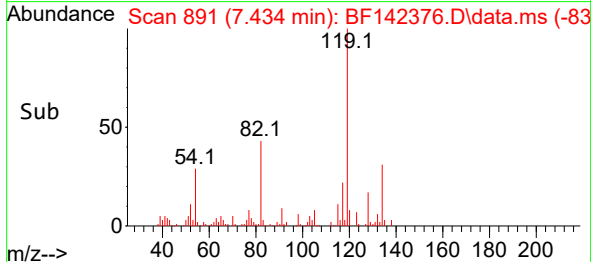
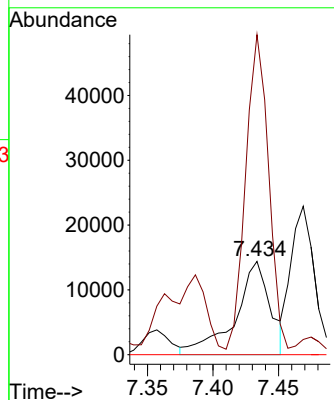
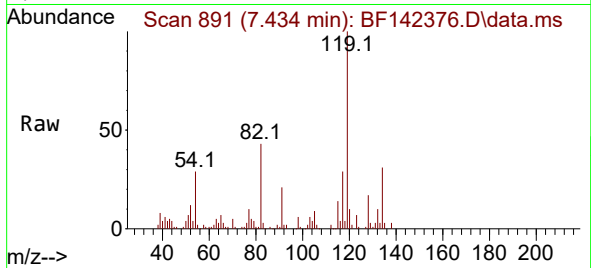




#18
Hexachloroethane
Concen: 5.543 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

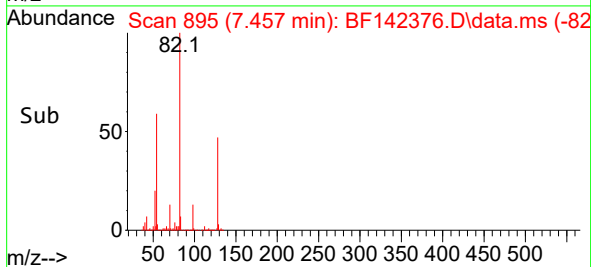
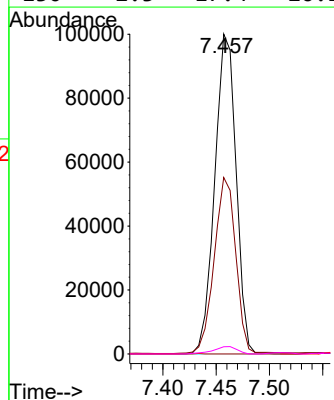
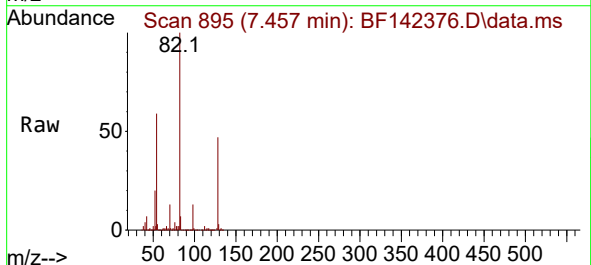
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

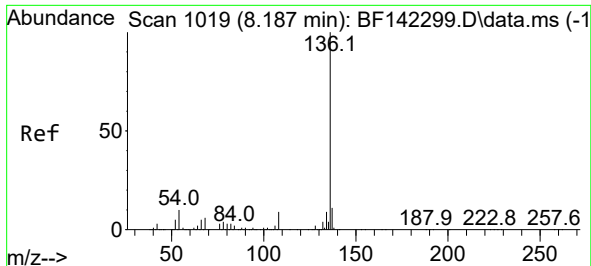
Tgt Ion:117 Resp: 26506
Ion Ratio Lower Upper
117 100
119 342.9 76.9 115.3#
201 0.0 78.0 117.0#



#19
n-Nitroso-di-n-propylamine
Concen: 15.624 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion: 70 Resp: 139171
Ion Ratio Lower Upper
70 100
42 55.2 54.8 82.2
101 0.0 7.7 11.5#
130 2.3 17.4 26.2#

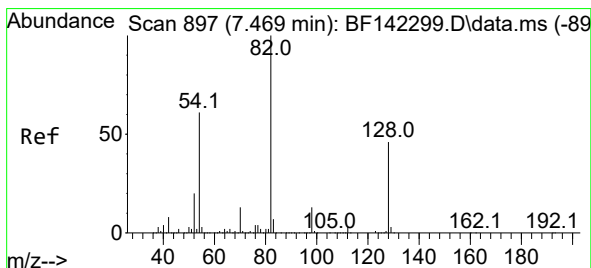
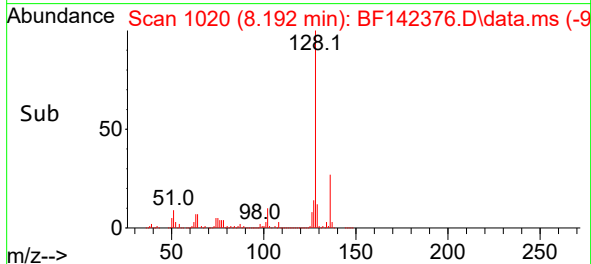
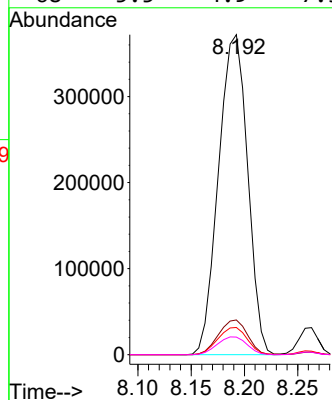
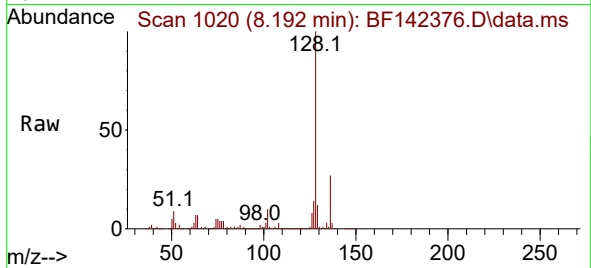




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

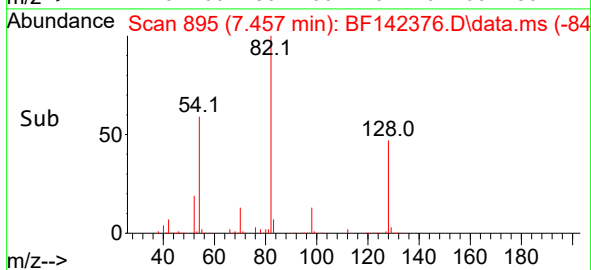
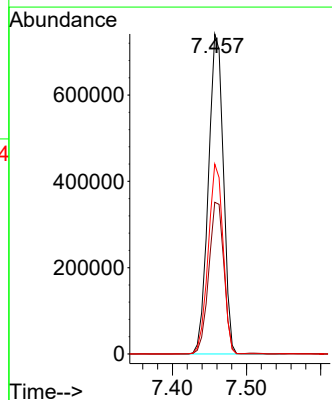
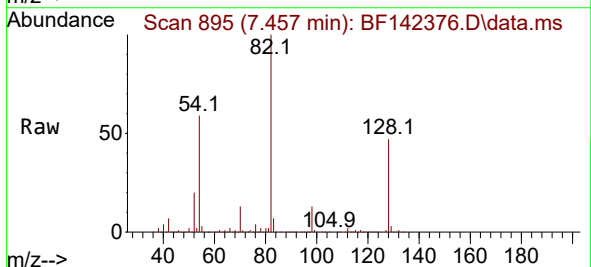
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ClientSampleId :
WC-A1-07-C

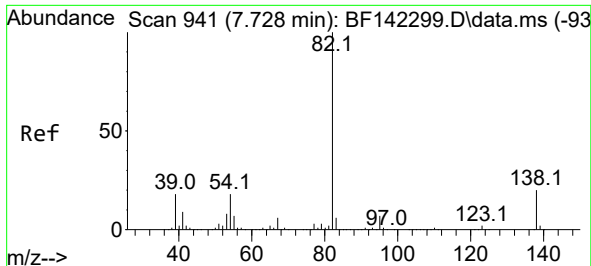
Tgt Ion	136	Resp: Lower	707145 Upper
136	100		
137	10.8	8.9	13.3
54	8.5	7.7	11.5
68	5.5	4.9	7.3



#23
Nitrobenzene-d5
Concen: 89.732 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion: 82	Resp: 1040446		
Ion Ratio	Lower	Upper	
82 100			
128 47.4	37.0	55.6	
54 59.3	48.6	73.0	

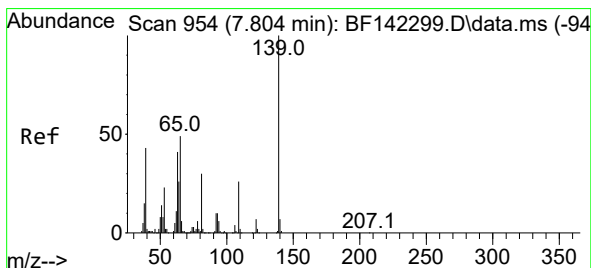
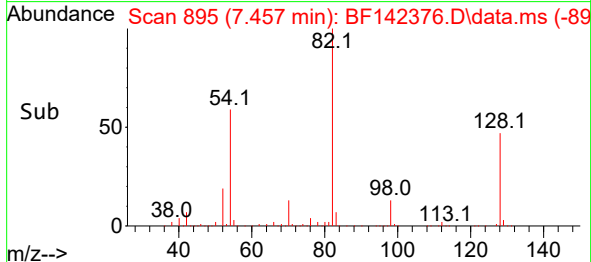
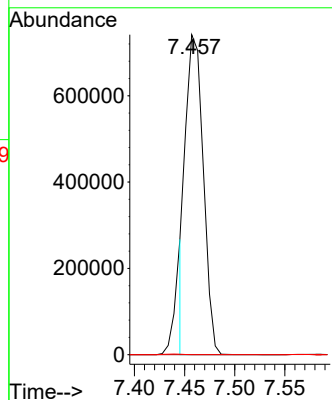
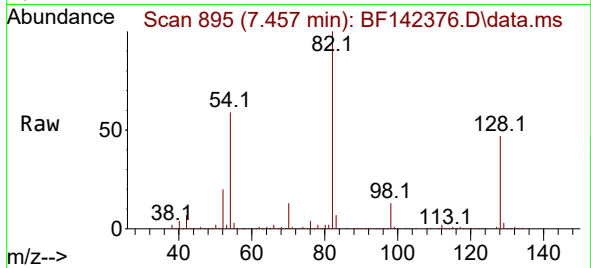




#25
Isophorone
Concen: 41.133 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

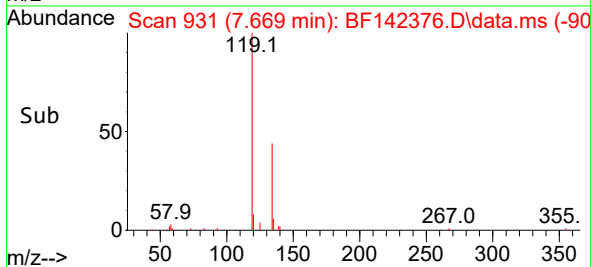
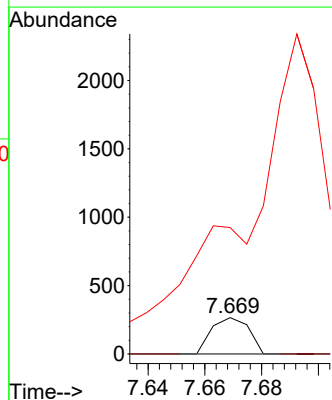
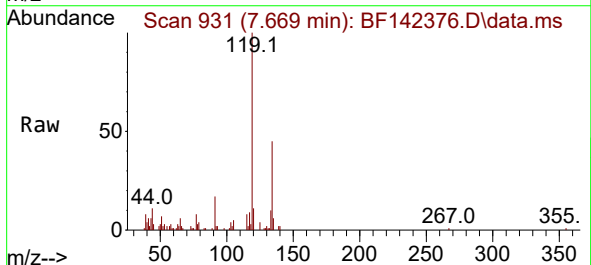
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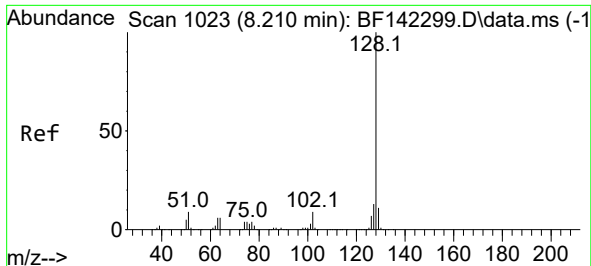
Tgt Ion: 82 Resp: 903143
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.129 ng
RT: 7.669 min Scan# 931
Delta R.T. -0.135 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion:139 Resp: 242
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 347.7 38.9 58.3#

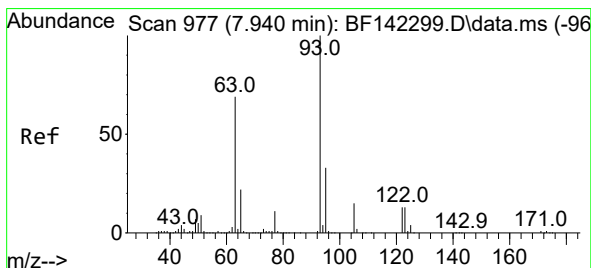
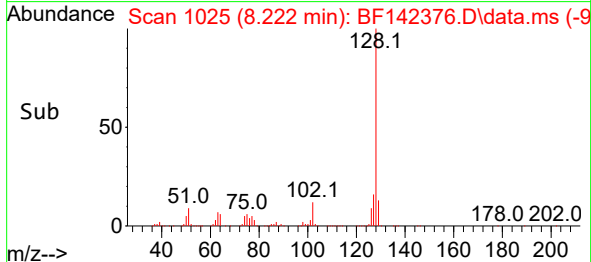
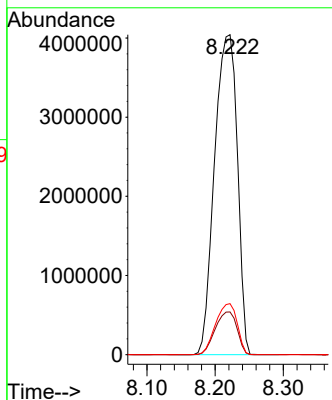
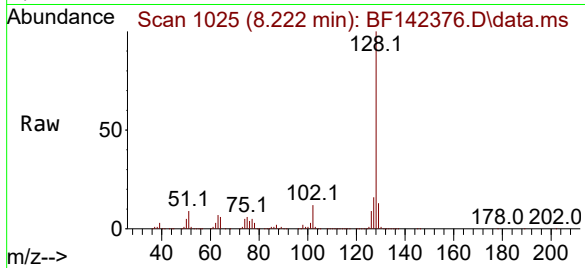




#31
Naphthalene
Concen: 274.378 ng
RT: 8.222 min Scan# 1025
Delta R.T. 0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

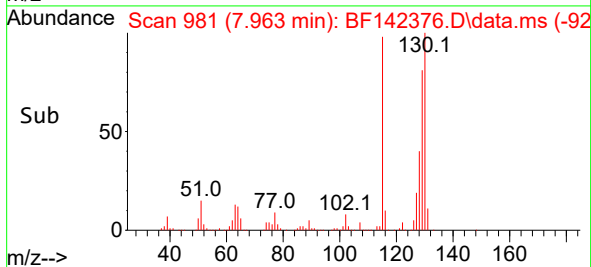
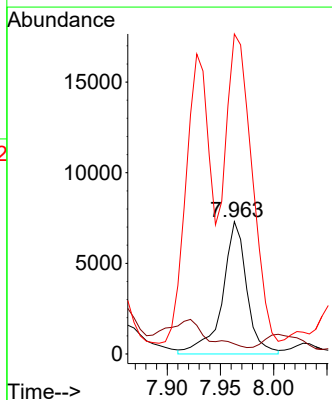
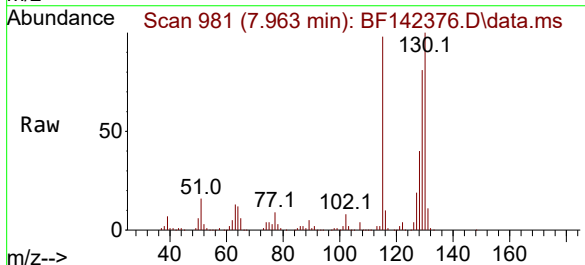
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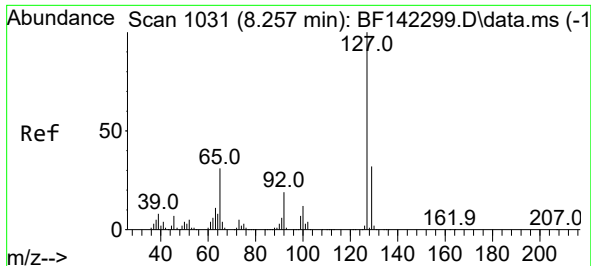
Tgt Ion:128 Resp: 9403570
Ion Ratio Lower Upper
128 100
129 13.3 9.1 13.7
127 15.9 10.5 15.7#



#32
Benzoic acid
Concen: 8.002 ng
RT: 7.963 min Scan# 981
Delta R.T. 0.023 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion:122 Resp: 11566
Ion Ratio Lower Upper
122 100
105 7.7 97.9 137.9#
77 241.8 67.7 107.7#

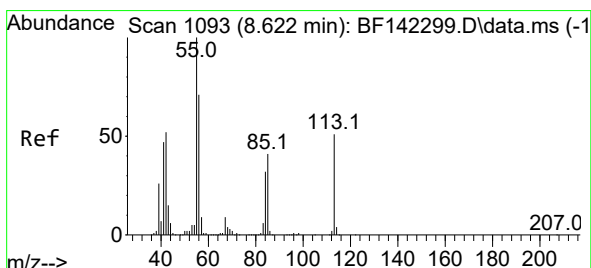
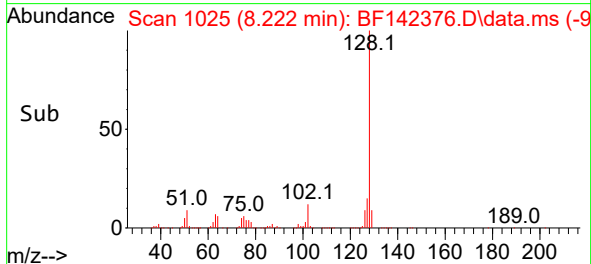
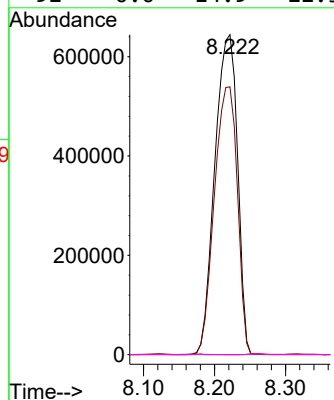
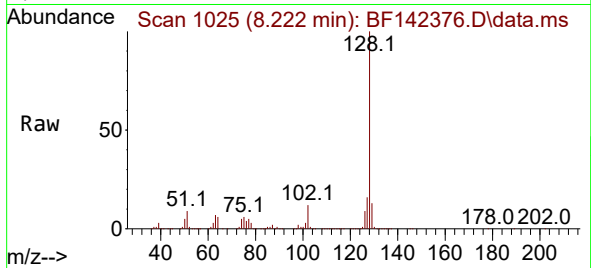




#33
4-Chloroaniline
Concen: 102.090 ng
RT: 8.222 min Scan# 1140
Delta R.T. -0.045 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

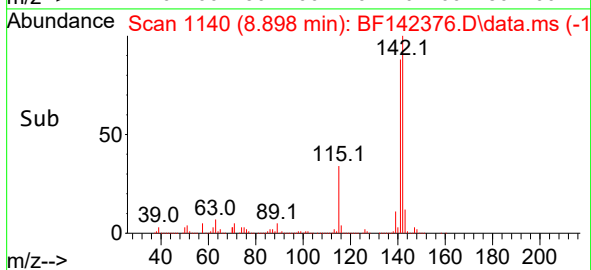
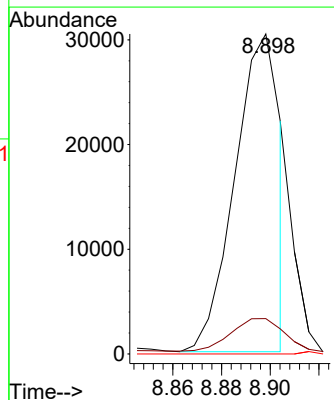
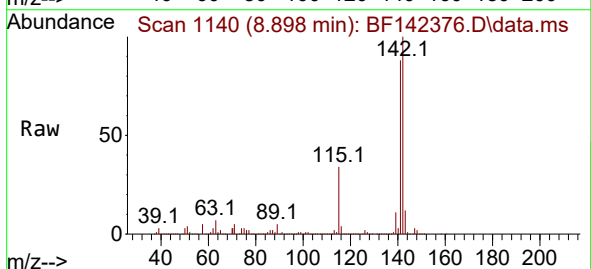
Instrument :
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ClientSampleId :
WC-A1-07-C

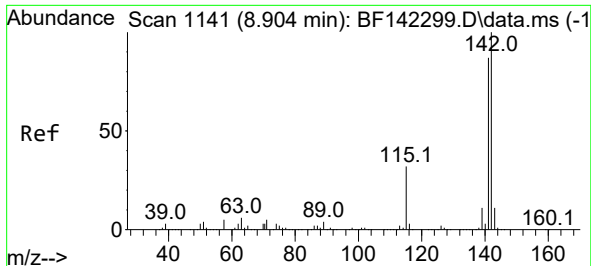
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Ion Ratio Lower Upper
127 100
129 83.7 25.7 38.5#
65 0.0 24.9 37.3#
92 0.0 14.9 22.3#



#35
Caprolactam
Concen: 14.365 ng
RT: 8.898 min Scan# 1140
Delta R.T. 0.276 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion:113 Resp: 39292
Ion Ratio Lower Upper
113 100
55 11.1 176.4 216.4#
56 0.0 120.3 160.3#

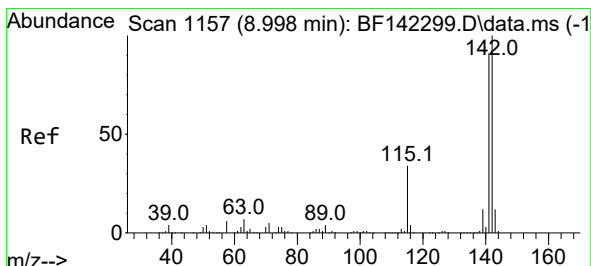
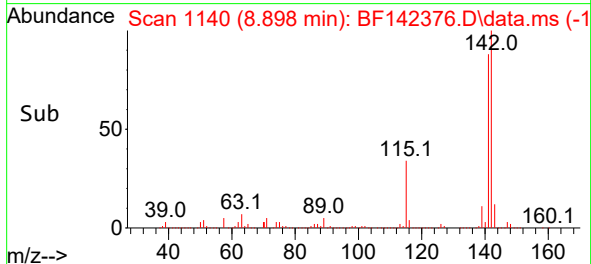
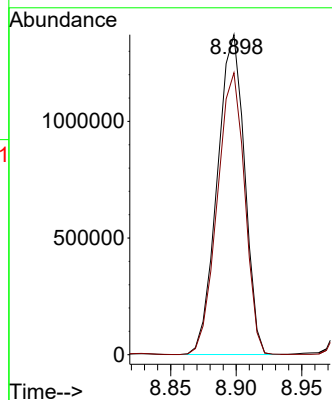
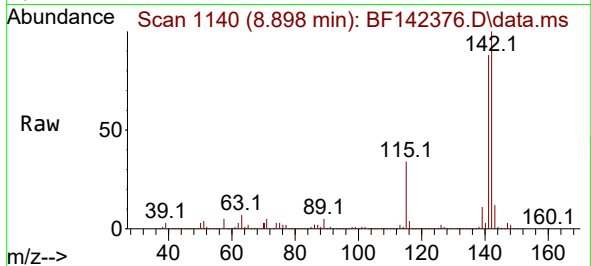




#37
2-Methylnaphthalene
Concen: 93.387 ng
RT: 8.898 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

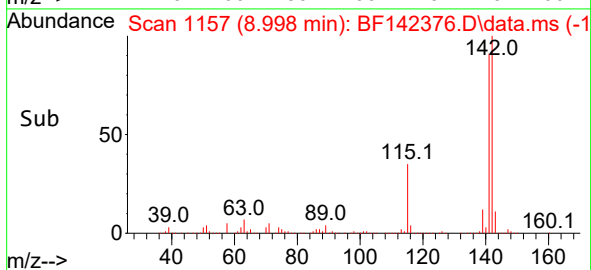
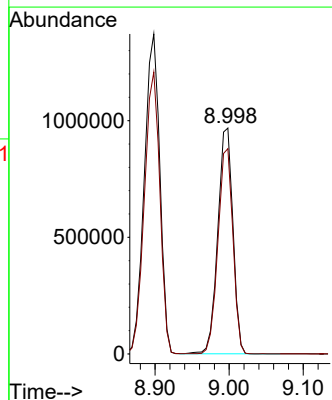
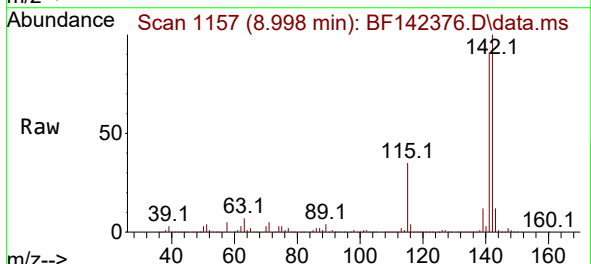
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

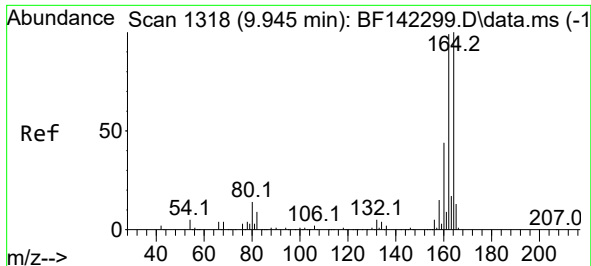
Tgt Ion:142 Resp: 1988781
Ion Ratio Lower Upper
142 100
141 88.1 69.4 104.2



#38
1-Methylnaphthalene
Concen: 61.791 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion:142 Resp: 1371527
Ion Ratio Lower Upper
142 100
141 90.8 72.5 108.7

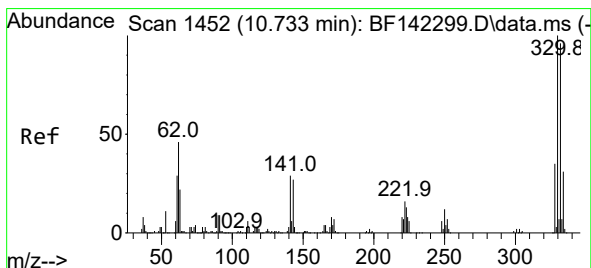
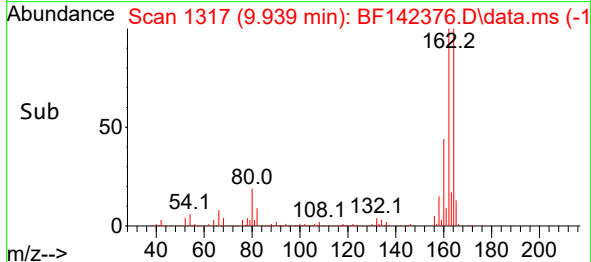
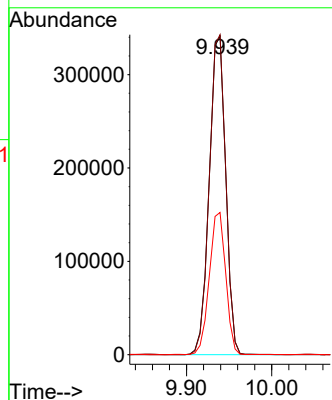
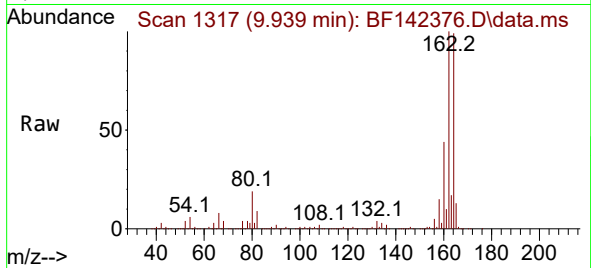




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

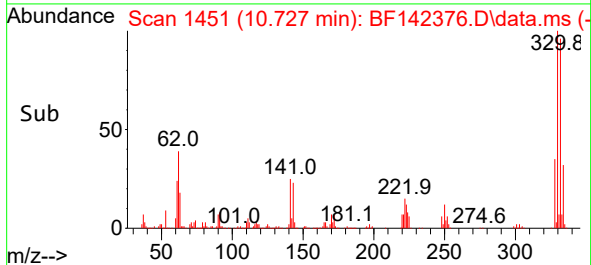
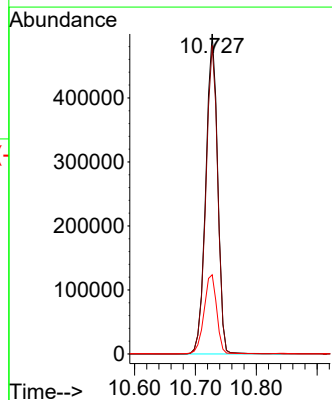
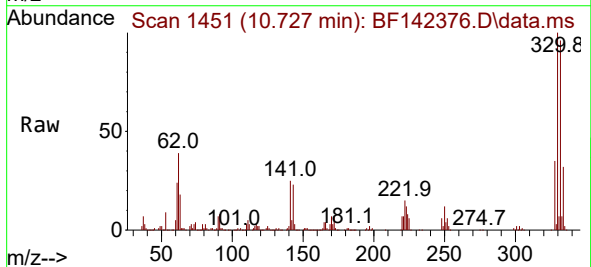
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

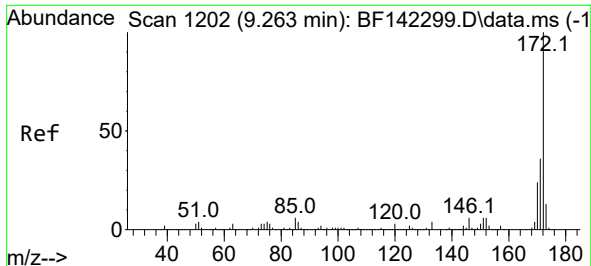
Tgt Ion:164 Resp: 459545
Ion Ratio Lower Upper
164 100
162 100.5 79.2 118.8
160 44.7 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 152.684 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion:330 Resp: 677433
Ion Ratio Lower Upper
330 100
332 96.6 76.8 115.2
141 26.4 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 70.333 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142376.D

Acq: 14 May 2025 20:08

Instrument :

BNA_F

ClientSampleId :

WC-A1-07-C

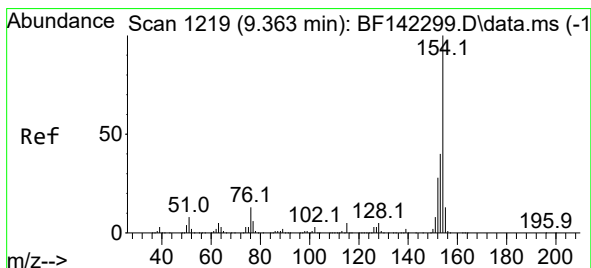
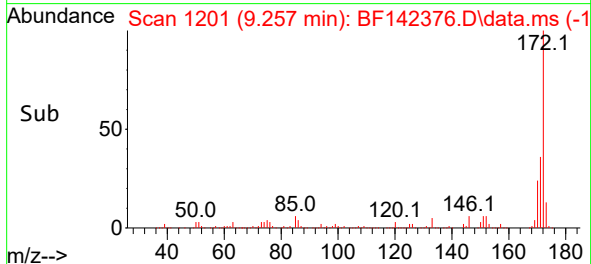
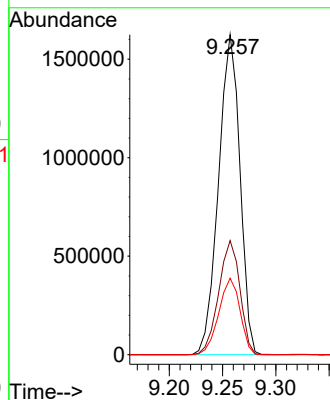
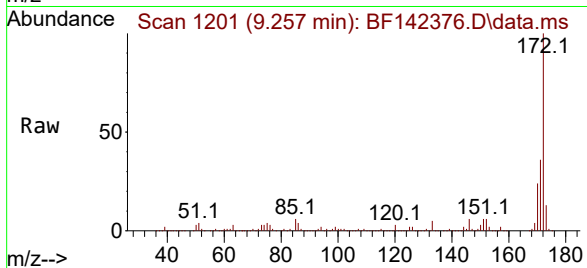
Tgt Ion:172 Resp: 2266766

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.9 19.0 28.4



#46

1,1'-Biphenyl

Concen: 7.604 ng

RT: 9.357 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF142376.D

Acq: 14 May 2025 20:08

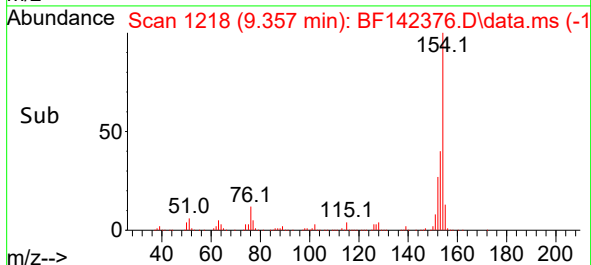
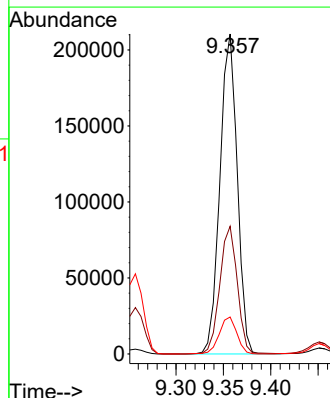
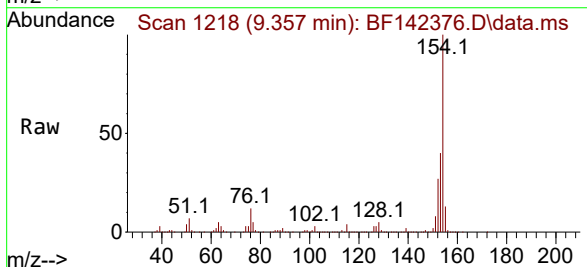
Tgt Ion:154 Resp: 267923

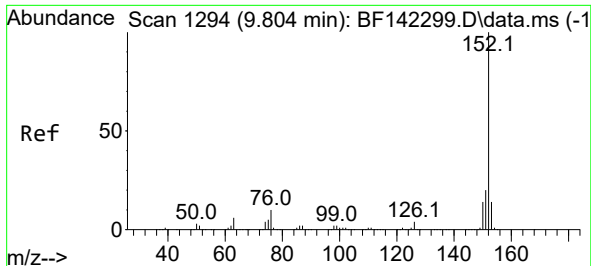
Ion Ratio Lower Upper

154 100

153 39.9 20.5 60.5

76 11.5 0.0 32.8

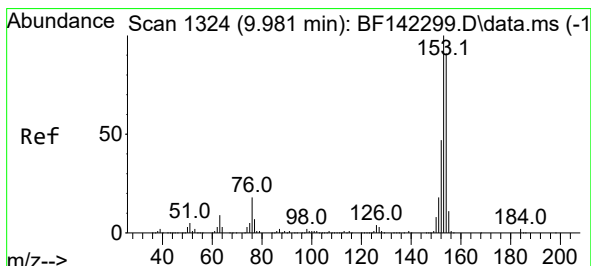
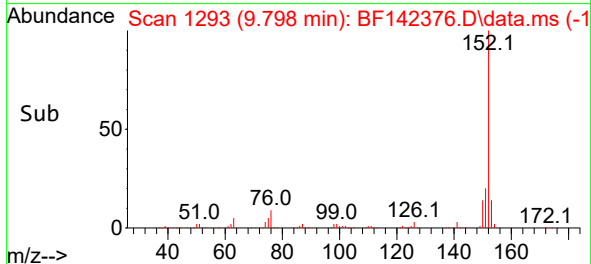
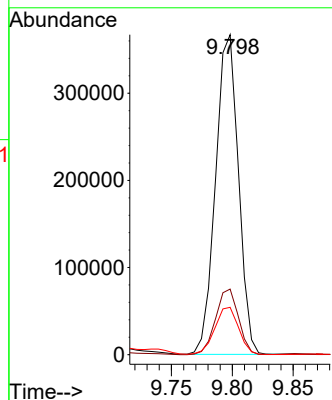
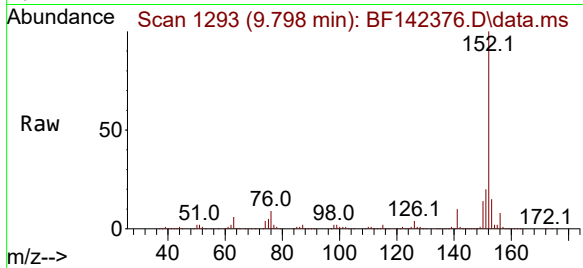




#49
Acenaphthylene
Concen: 10.943 ng
RT: 9.798 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

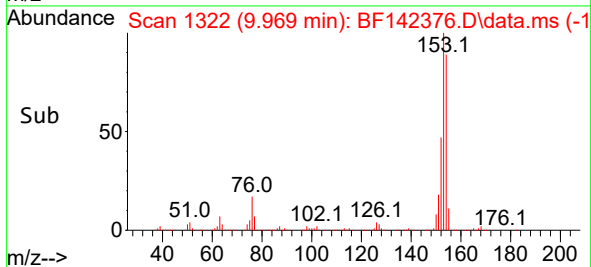
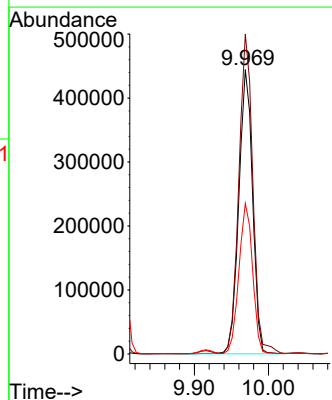
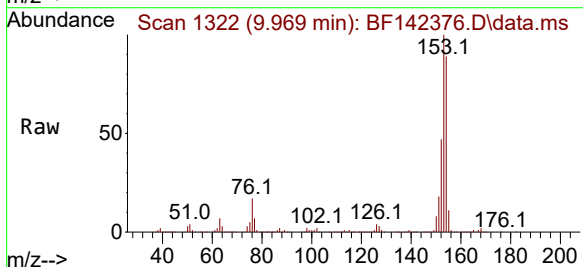
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

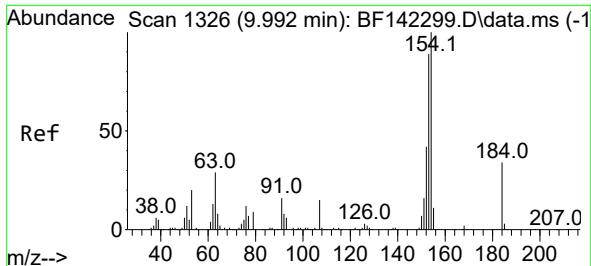
Tgt Ion:152 Resp: 479691
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 14.8 10.8 16.2



#52
Acenaphthene
Concen: 21.705 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion:154 Resp: 572085
Ion Ratio Lower Upper
154 100
153 112.5 88.0 132.0
152 53.0 41.6 62.4

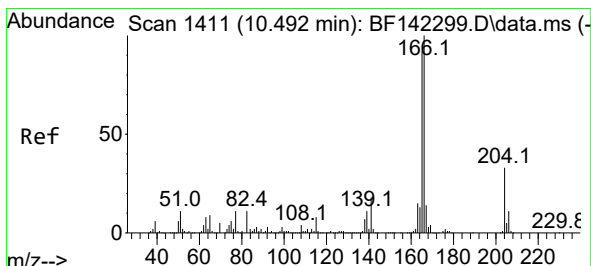
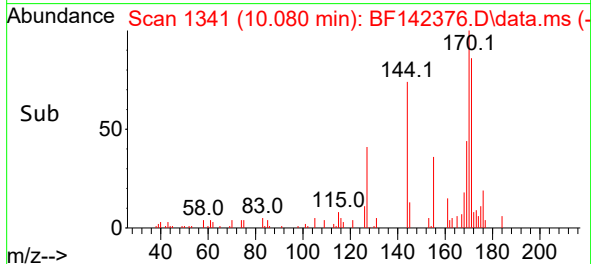
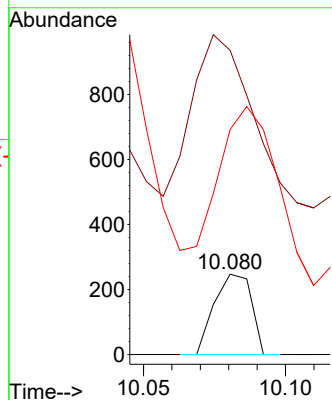
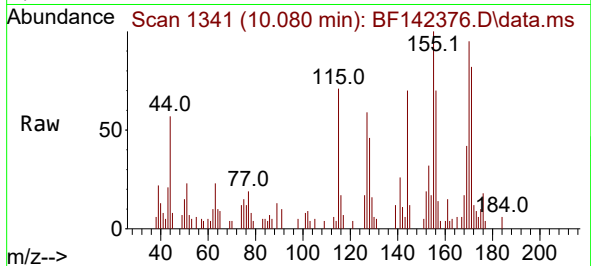




#54
2,4-Dinitrophenol
Concen: 7.732 ng
RT: 10.080 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

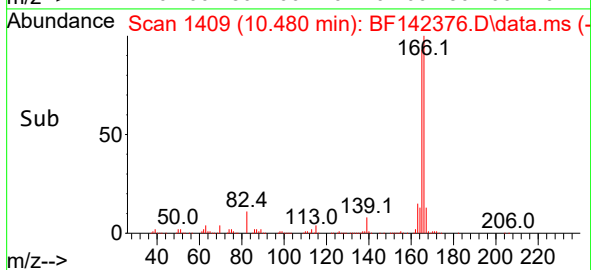
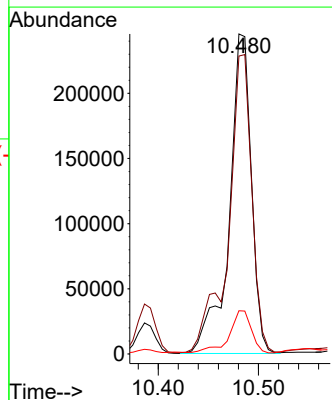
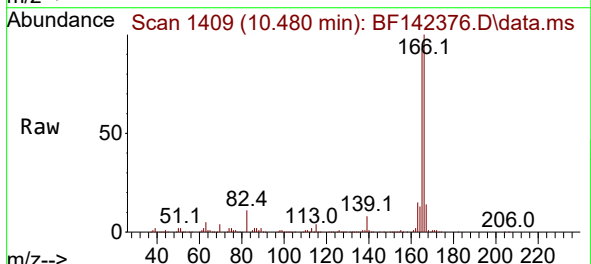
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

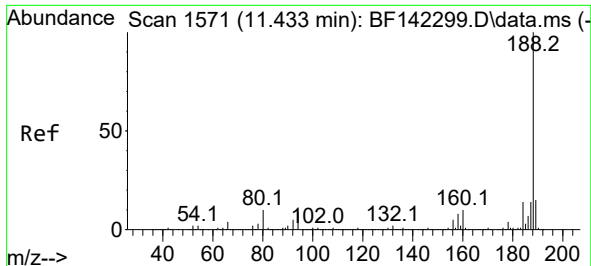
Tgt Ion:184 Resp: 224
Ion Ratio Lower Upper
184 100
63 378.9 70.6 105.8#
154 280.2 257.2 385.8



#58
Fluorene
Concen: 12.749 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion:166 Resp: 378460
Ion Ratio Lower Upper
166 100
165 93.1 74.0 111.0
167 13.5 10.9 16.3

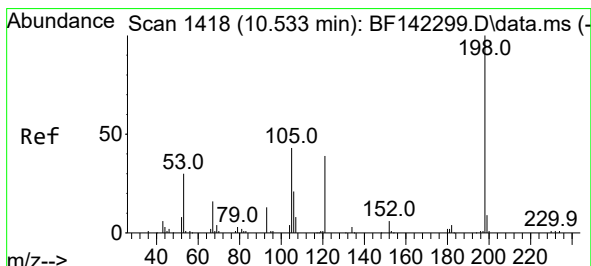
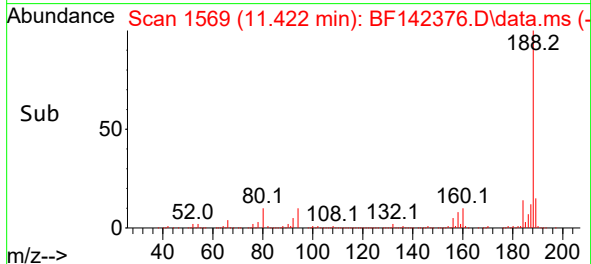
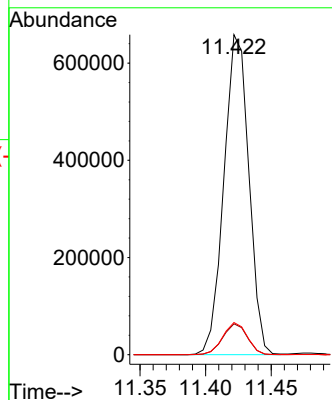
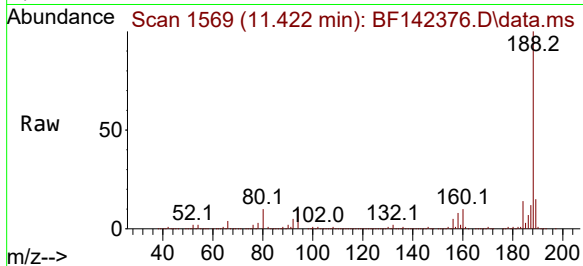




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

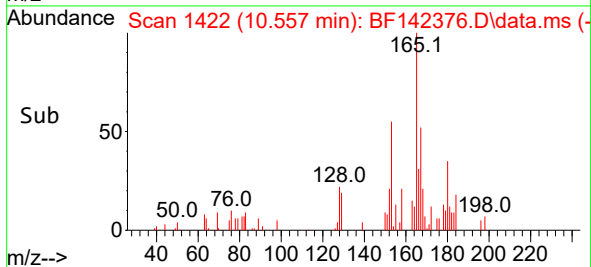
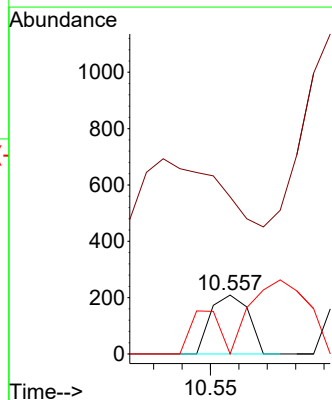
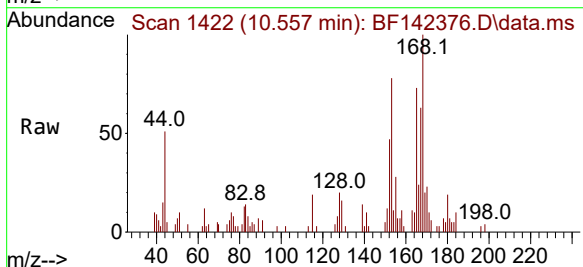
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

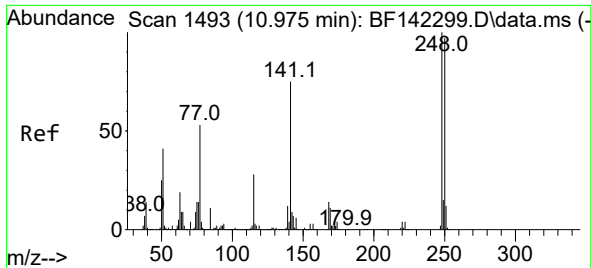
Tgt Ion:188 Resp: 871277
Ion Ratio Lower Upper
188 100
94 9.7 7.5 11.3
80 10.1 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.226 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.024 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion:198 Resp: 194
Ion Ratio Lower Upper
198 100
51 267.0 32.9 72.9#
105 0.0 23.7 63.7#

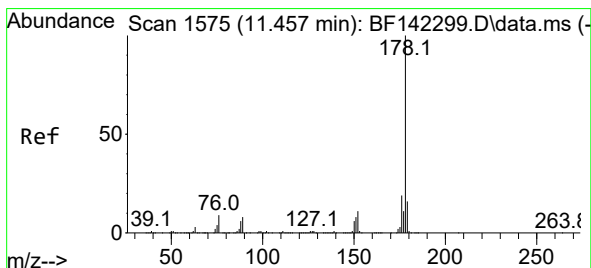
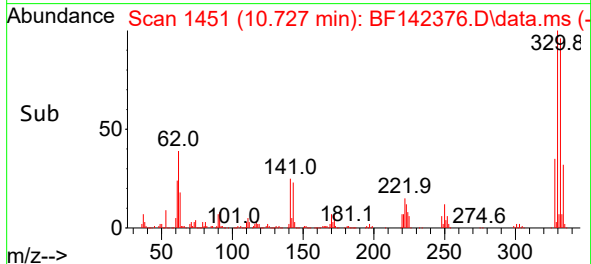
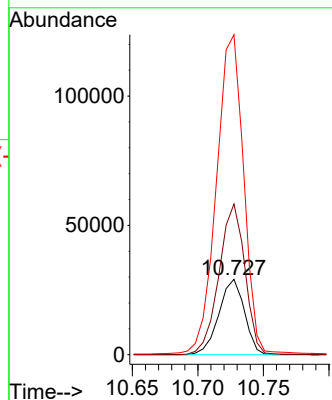
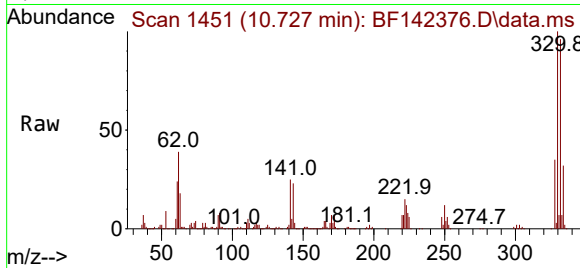




#67
4-Bromophenyl-phenylether
Concen: 3.999 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

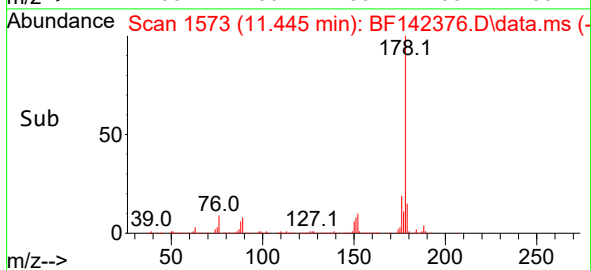
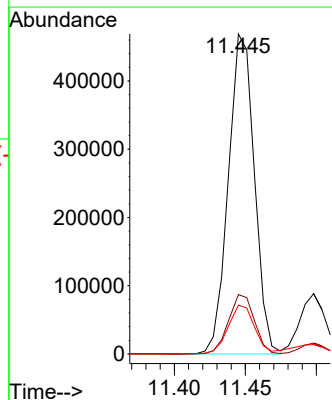
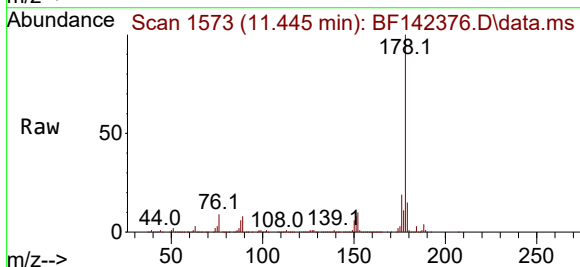
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

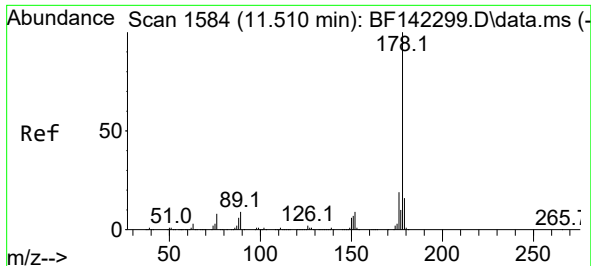
Tgt Ion:248 Resp: 39491
Ion Ratio Lower Upper
248 100
250 200.1 77.9 116.9#
141 424.7 59.8 89.8#



#71
Phenanthrene
Concen: 13.105 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion:178 Resp: 598524
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.3 12.6 18.8

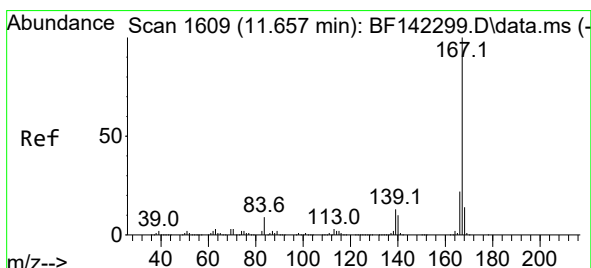
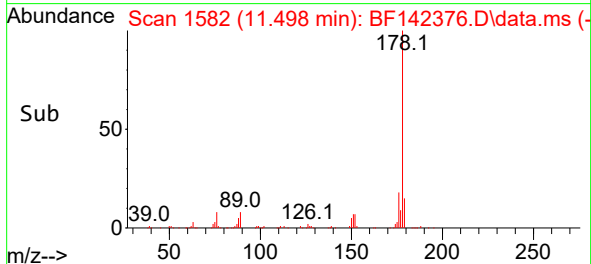
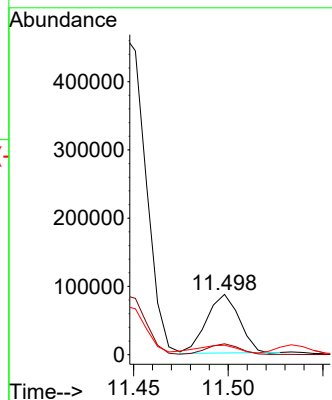
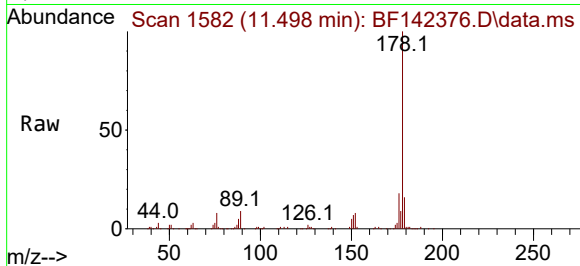




#72
 Anthracene
 Concen: 2.196 ng
 RT: 11.498 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142376.D
 Acq: 14 May 2025 20:08

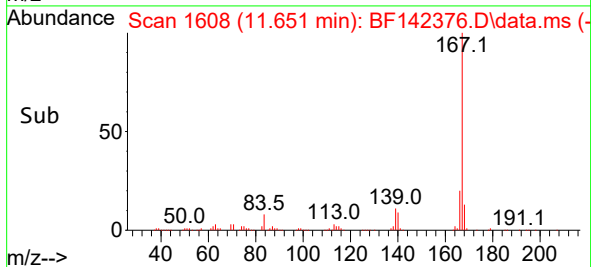
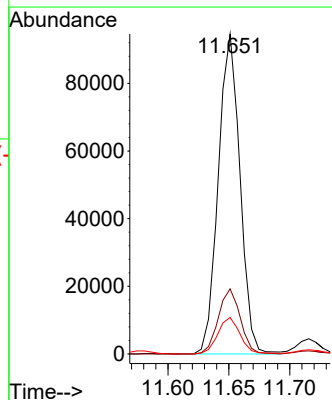
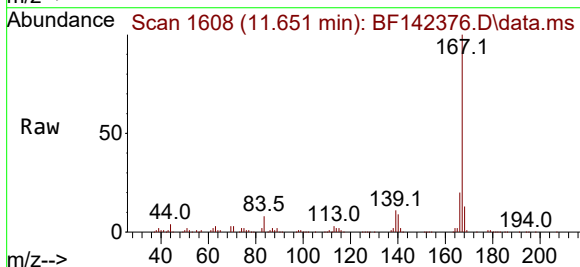
Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-07-C

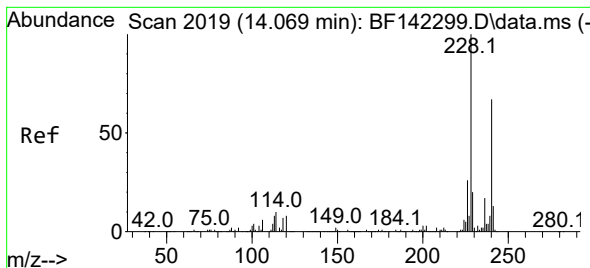
Tgt Ion:178 Resp: 103034
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.3 22.9
 179 15.8 12.6 18.8



#73
 Carbazole
 Concen: 2.786 ng
 RT: 11.651 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF142376.D
 Acq: 14 May 2025 20:08

Tgt Ion:167 Resp: 117304
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.2 25.8
 139 11.4 10.3 15.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142376.D

Acq: 14 May 2025 20:08

Instrument :

BNA_F

ClientSampleId :

WC-A1-07-C

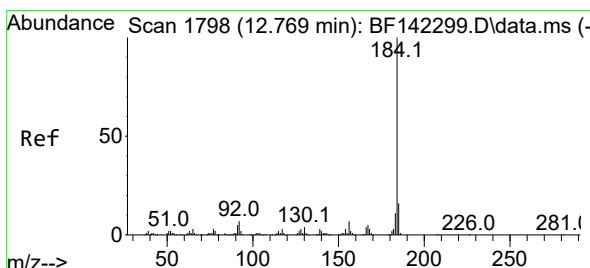
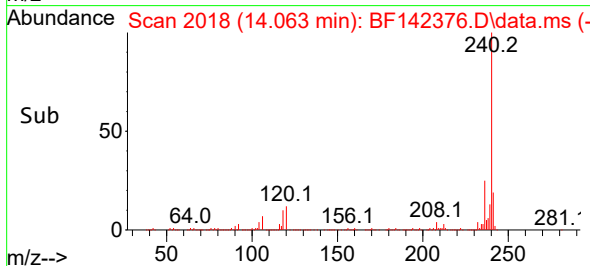
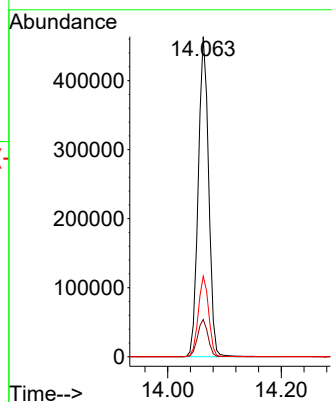
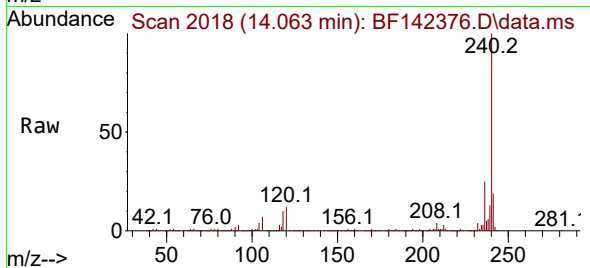
Tgt Ion:240 Resp: 591876

Ion Ratio Lower Upper

240 100

120 11.6 9.7 14.5

236 25.2 20.0 30.0



#77

Benzidine

Concen: 3.334 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.247 min

Lab File: BF142376.D

Acq: 14 May 2025 20:08

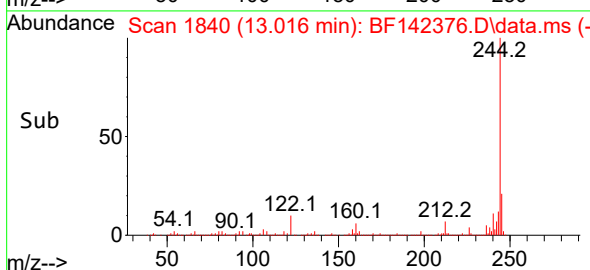
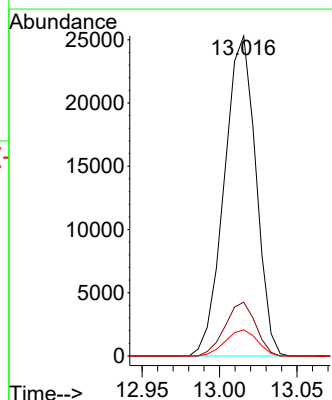
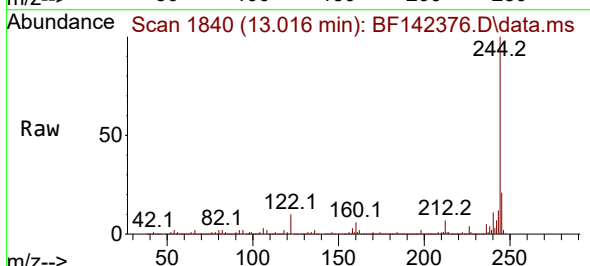
Tgt Ion:184 Resp: 35862

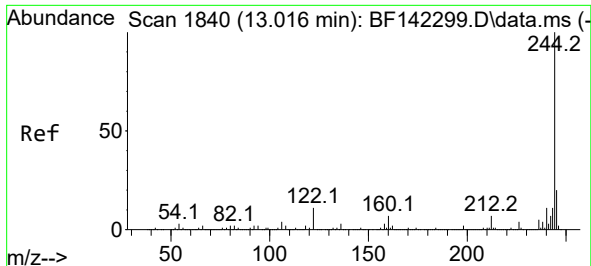
Ion Ratio Lower Upper

184 100

185 16.8 12.6 18.8

183 8.1 8.6 12.8#

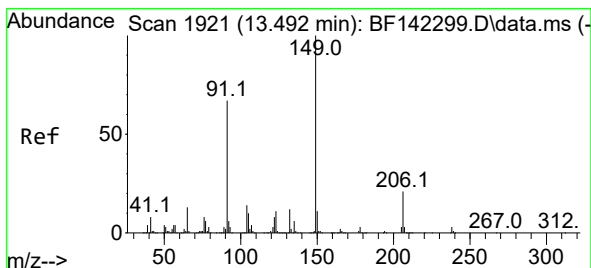
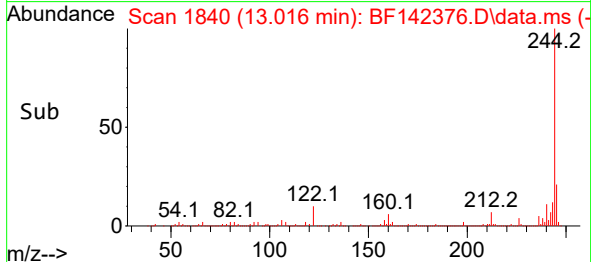
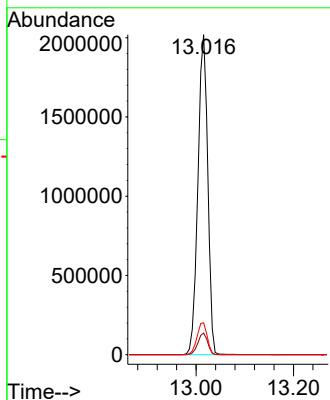
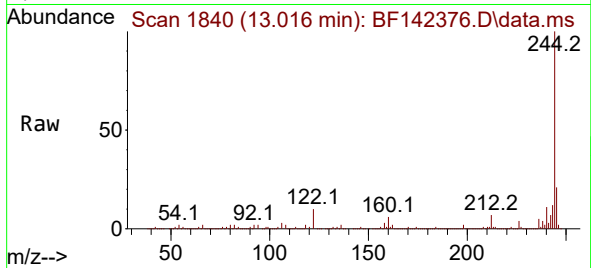




#79
 Terphenyl-d14
 Concen: 71.131 ng
 RT: 13.016 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF142376.D
 Acq: 14 May 2025 20:08

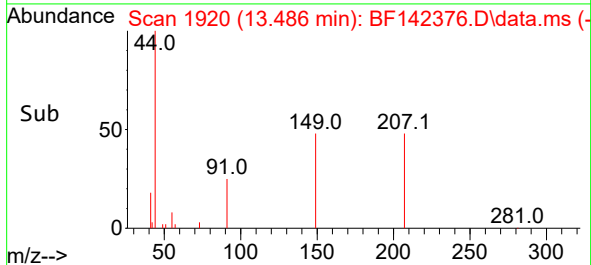
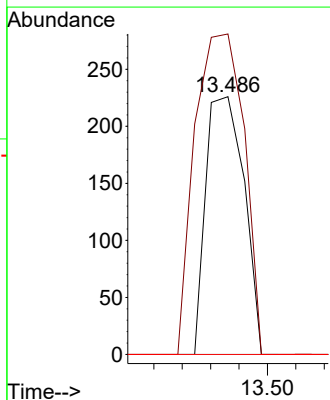
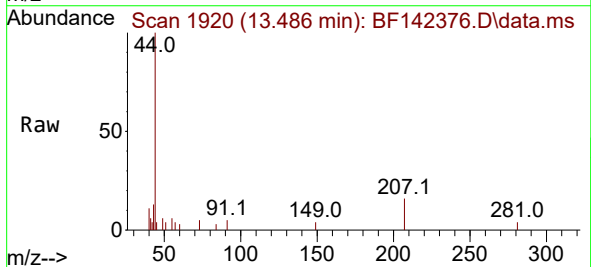
Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-07-C

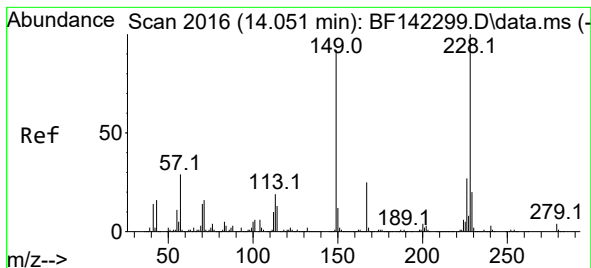
Tgt Ion:244 Resp: 2844452
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.0 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.672 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF142376.D
 Acq: 14 May 2025 20:08

Tgt Ion:149 Resp: 211
 Ion Ratio Lower Upper
 149 100
 91 124.3 53.8 80.6#
 206 0.0 16.6 24.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.282 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142376.D

Acq: 14 May 2025 20:08

Instrument :

BNA_F

ClientSampleId :

WC-A1-07-C

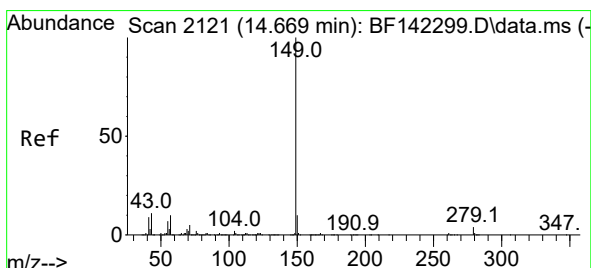
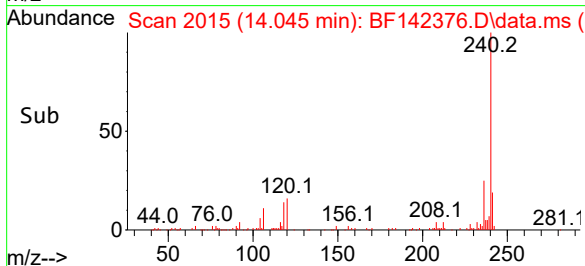
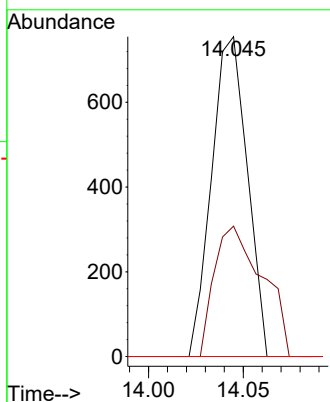
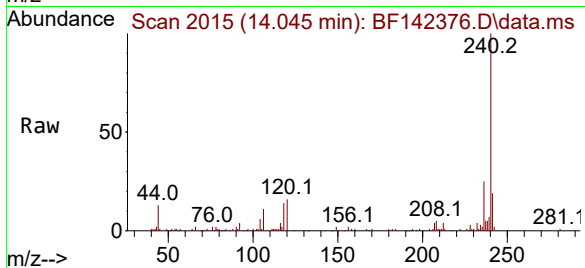
Tgt Ion:149 Resp: 988

Ion Ratio Lower Upper

149 100

167 40.8 22.0 33.0#

279 0.0 3.0 4.6#



#85

Di-n-octyl phthalate

Concen: 7.849 ng

RT: 14.657 min Scan# 2119

Delta R.T. -0.012 min

Lab File: BF142376.D

Acq: 14 May 2025 20:08

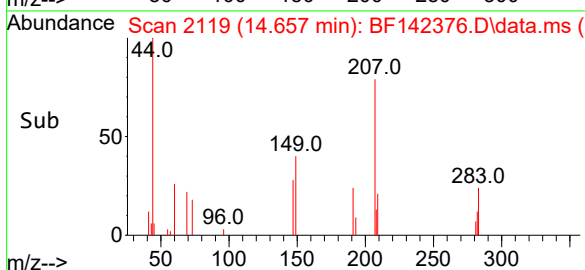
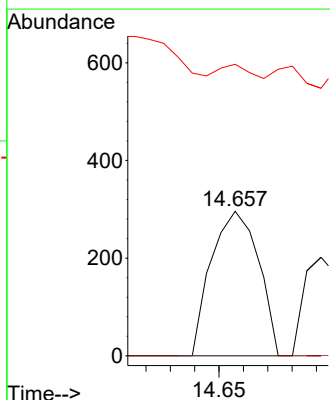
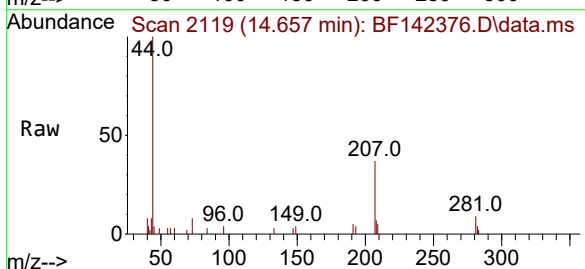
Tgt Ion:149 Resp: 400

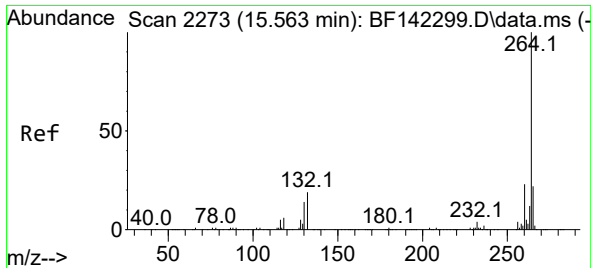
Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

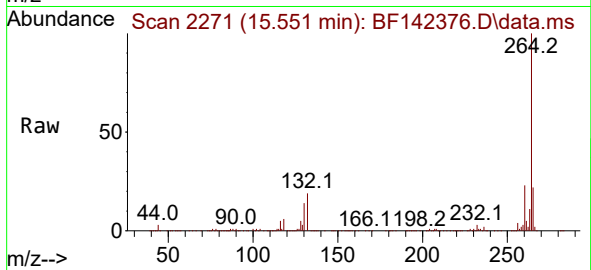
43 0.0 9.2 13.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C



Tgt Ion:264 Resp: 437970
Ion Ratio Lower Upper
264 100
260 23.3 18.6 27.8
265 21.8 17.5 26.3

