

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)

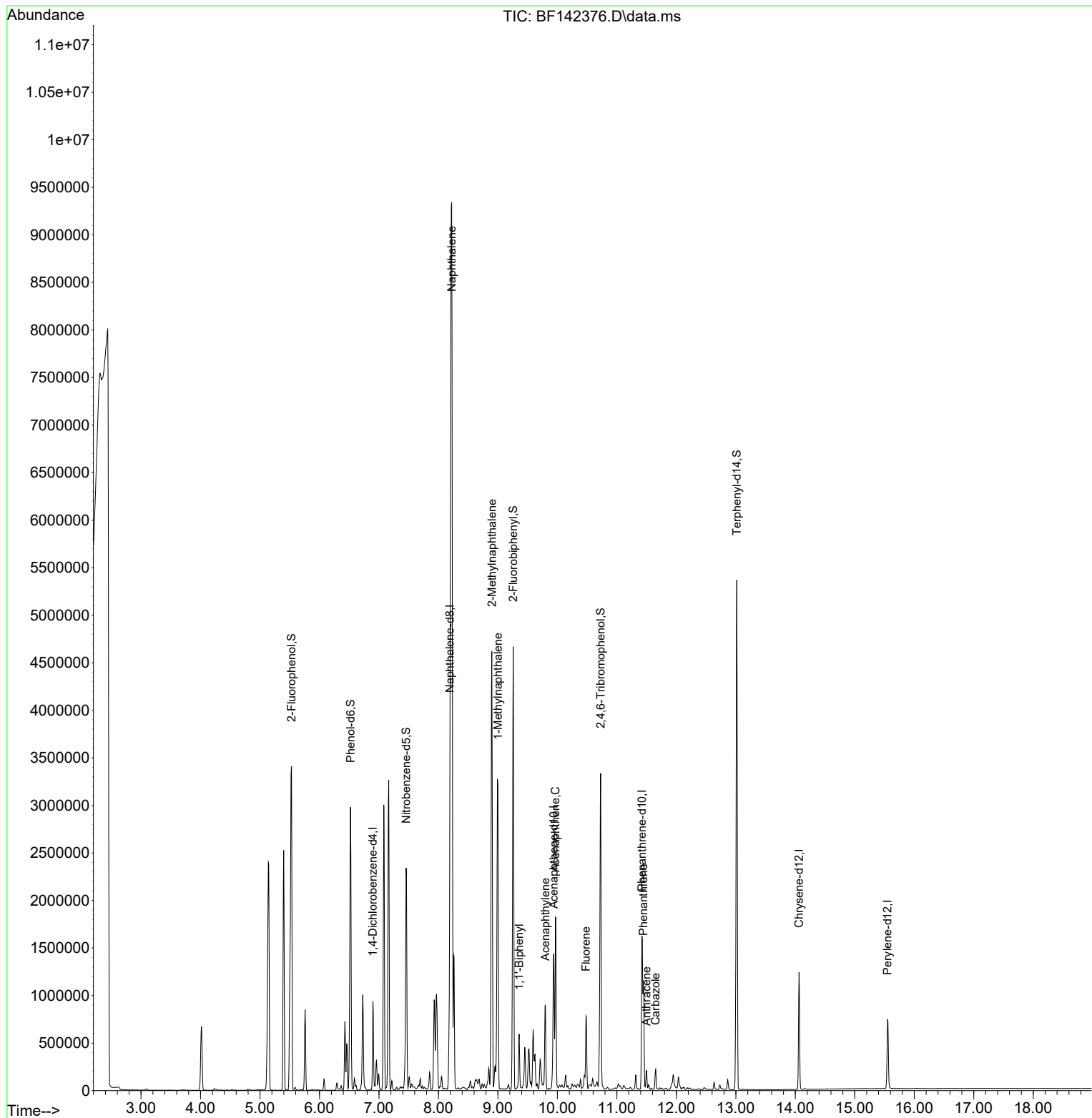
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	199865	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	707145	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	459545	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	871277	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	591876	20.000	ng	0.00
86) Perylene-d12	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	
31) Naphthalene	8.222	128	9403570	274.378	ng	# 94
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
58) Fluorene	10.480	166	378460	12.749	ng	99
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

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

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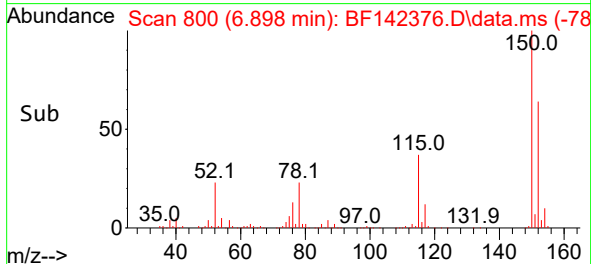
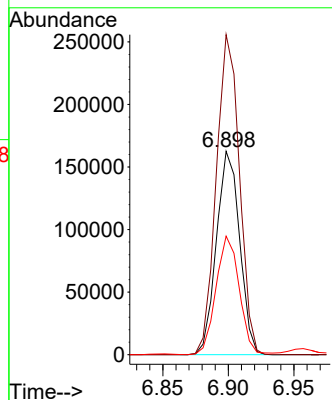
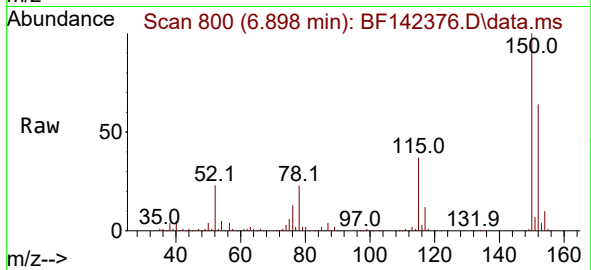




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

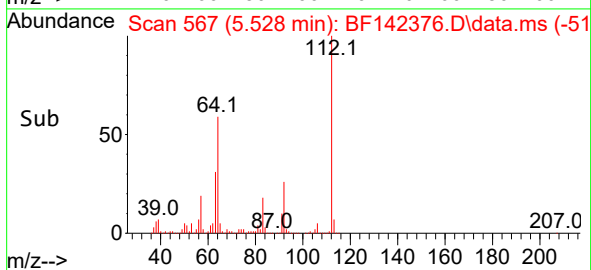
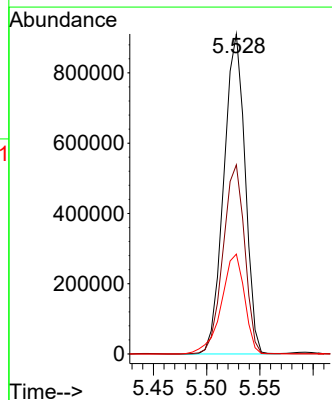
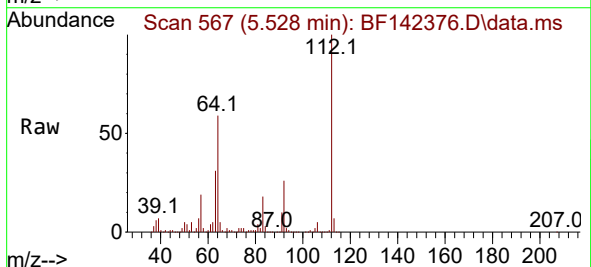
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

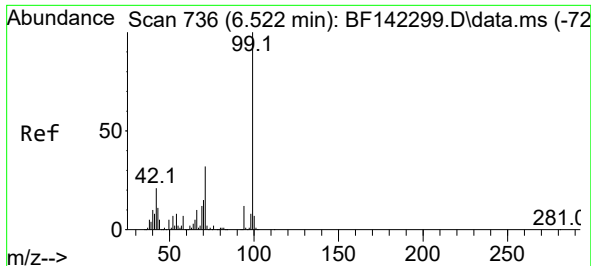
Tgt Ion:152 Resp: 199865
Ion Ratio Lower Upper
152 100
150 157.4 126.6 190.0
115 58.3 47.3 70.9



#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

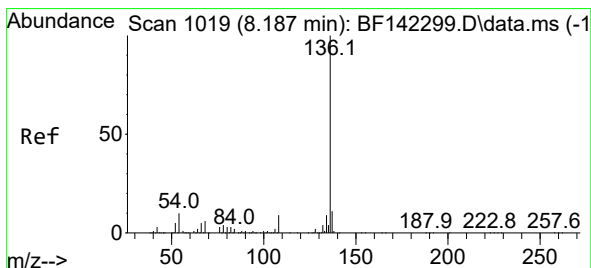
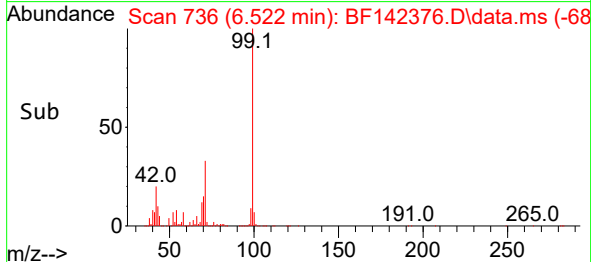
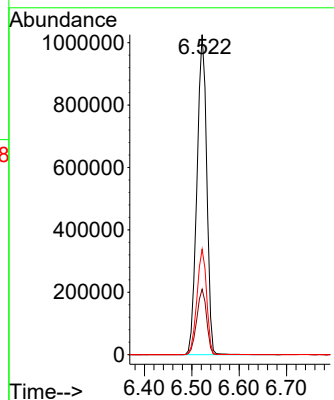
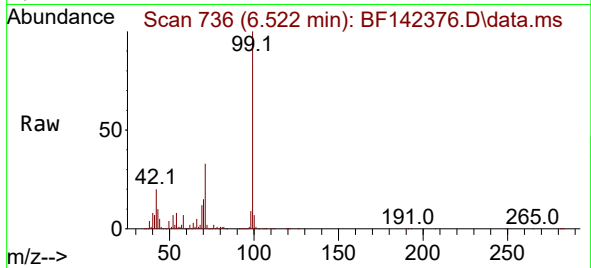




#7
Phenol-d6
Concen: 102.136 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

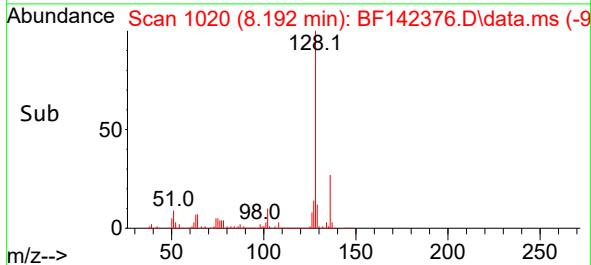
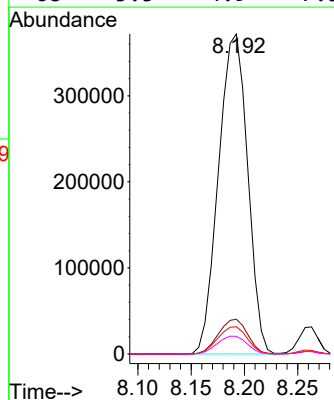
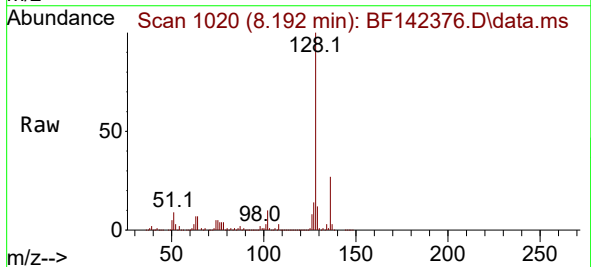
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

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



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.006 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

Tgt Ion:136 Resp: 707145
Ion Ratio Lower 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# 89

Delta R.T. -0.012 min

Lab File: BF142376.D

Acq: 14 May 2025 20:08

Instrument :

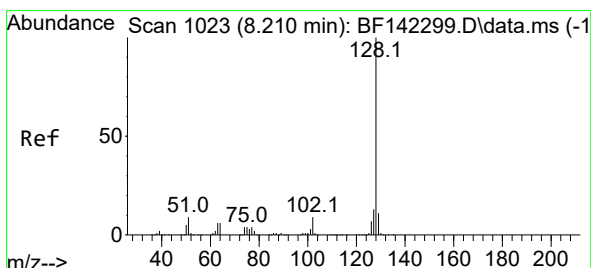
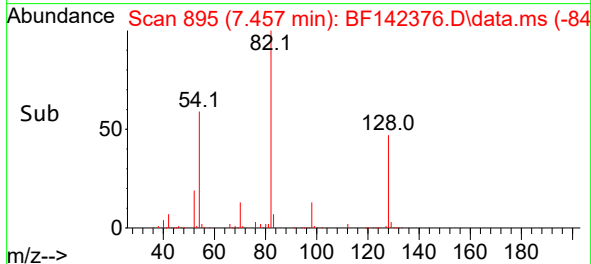
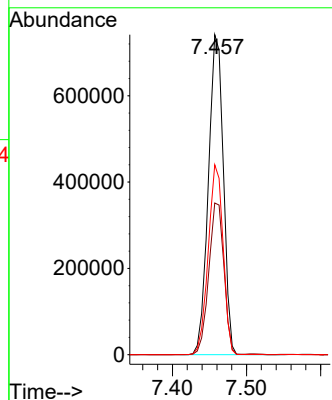
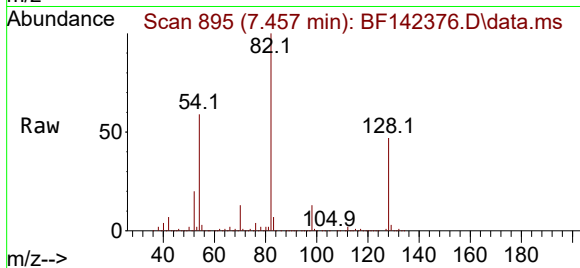
BNA_F

ClientSampleId :

WC-A1-07-C

Tgt Ion: 82 Resp: 1040446

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.0	55.6
54	59.3	48.6	73.0



#31

Naphthalene

Concen: 274.378 ng

RT: 8.222 min Scan# 1025

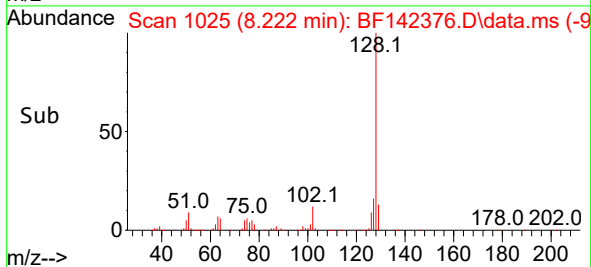
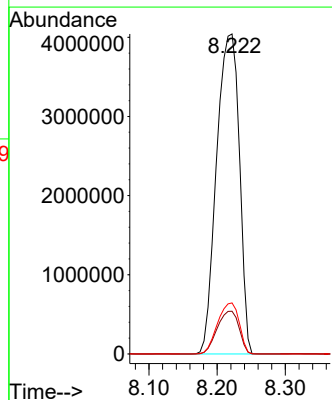
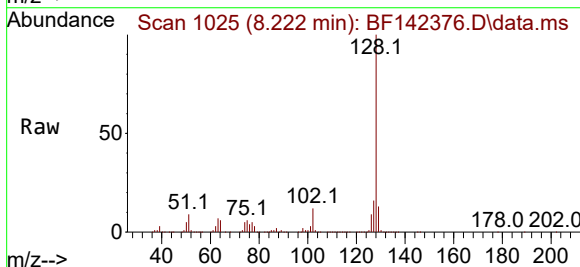
Delta R.T. 0.012 min

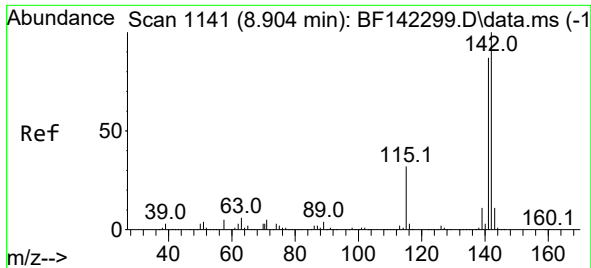
Lab File: BF142376.D

Acq: 14 May 2025 20:08

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

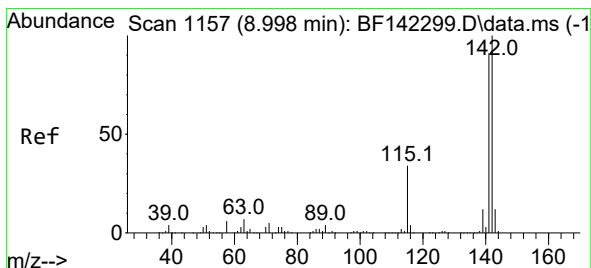
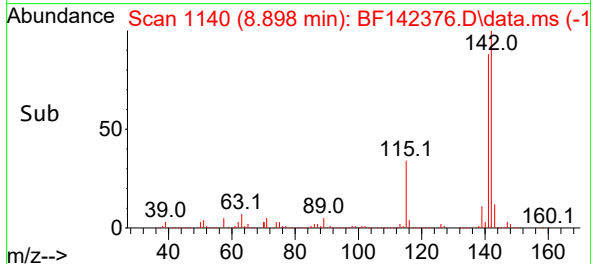
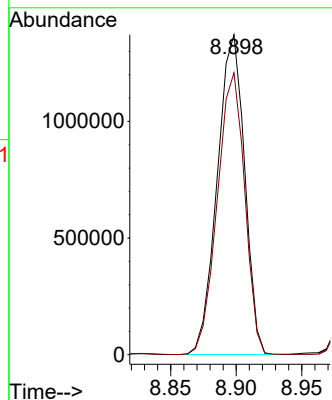
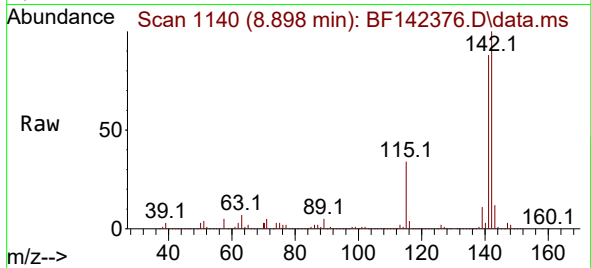




#37
2-Methylnaphthalene
Concen: 93.387 ng
RT: 8.898 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

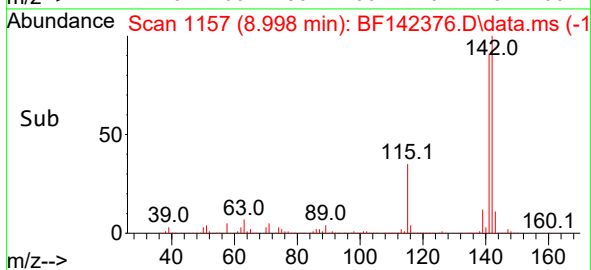
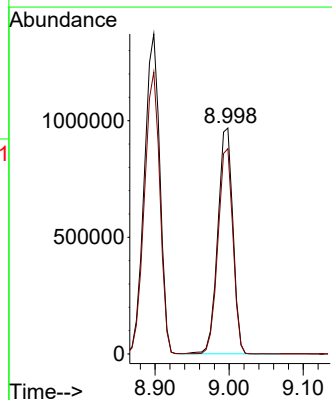
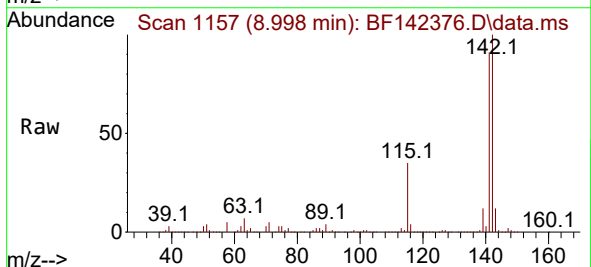
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

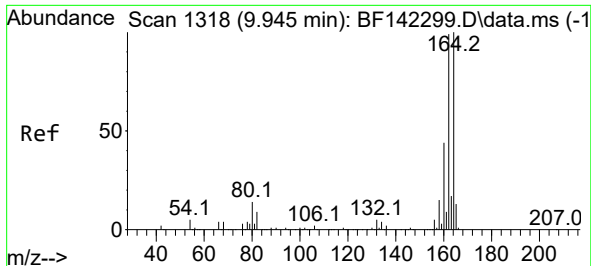
Tgt Ion:142 Resp: 1988781
Ion Ratio Lower Upper
142 100
141 88.1 69.4 104.2



#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

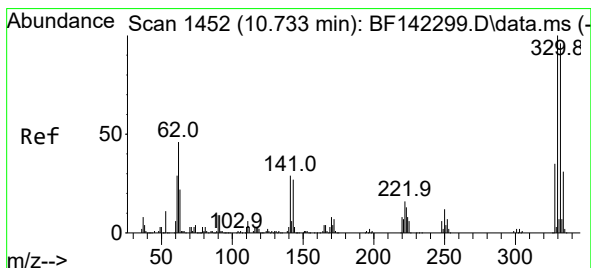
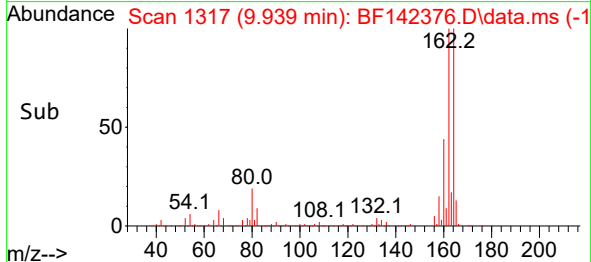
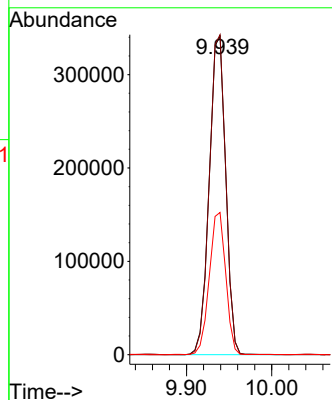
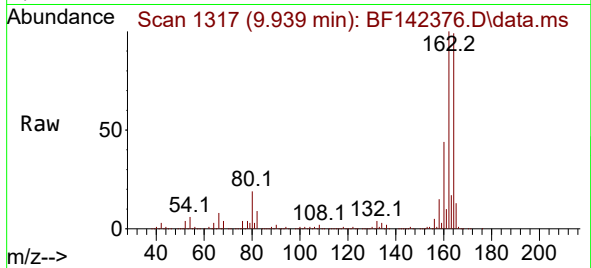




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

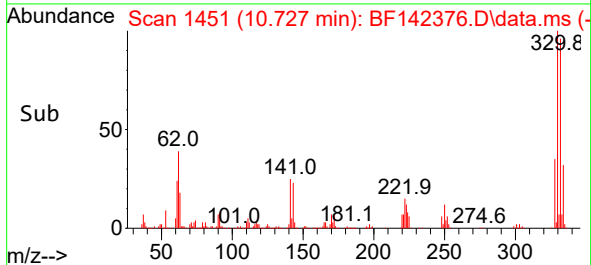
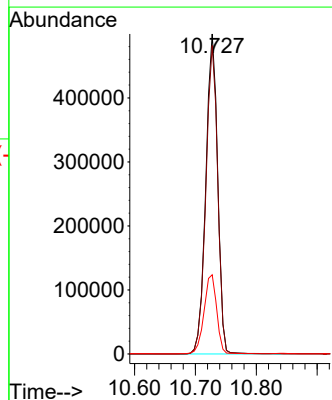
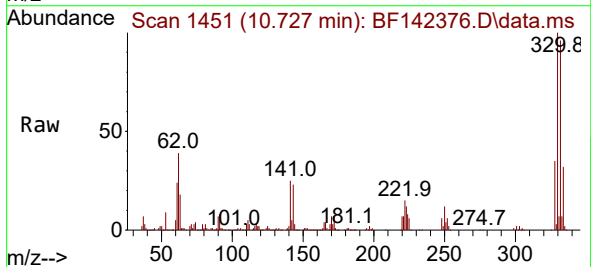
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

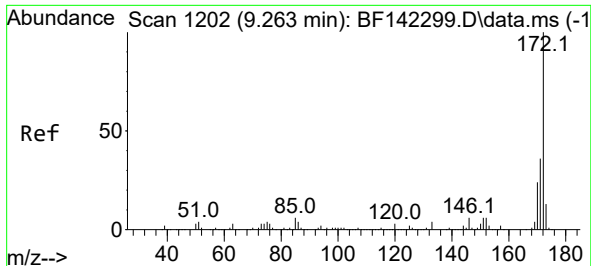
Tgt Ion:164 Resp: 459545
Ion Ratio Lower Upper
164 100
162 100.5 79.2 118.8
160 44.7 35.3 52.9



#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

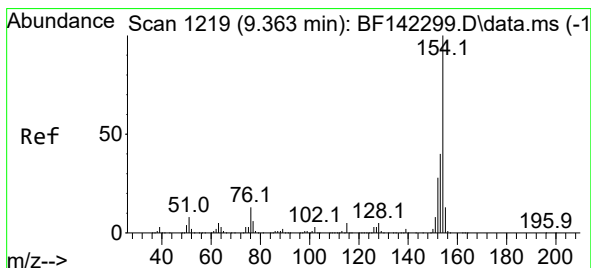
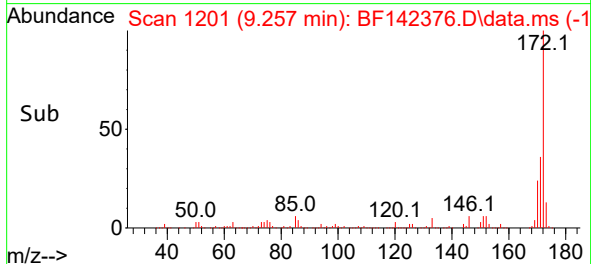
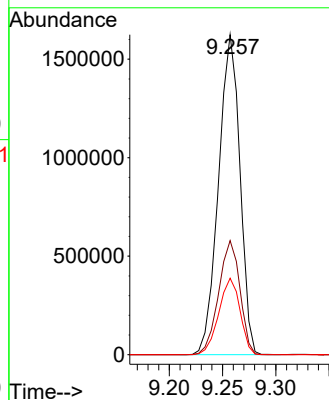
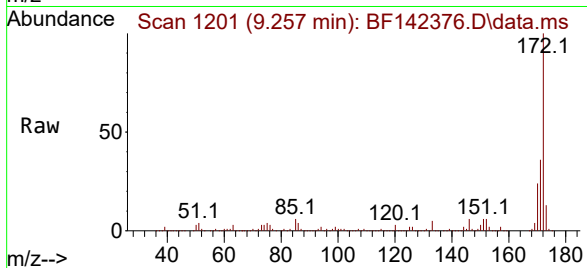
Tgt Ion:172 Resp: 2266766

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

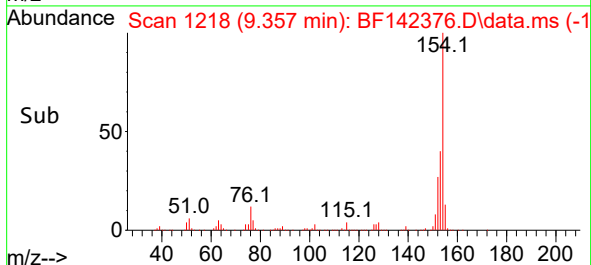
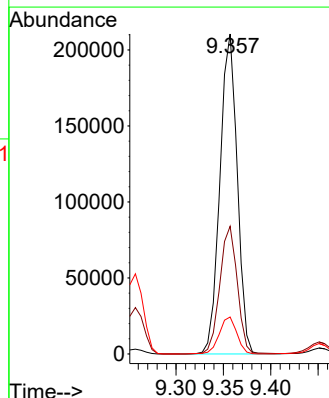
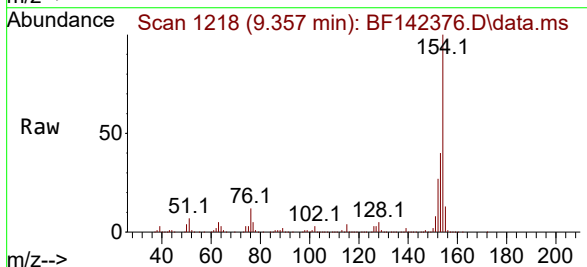
Tgt Ion:154 Resp: 267923

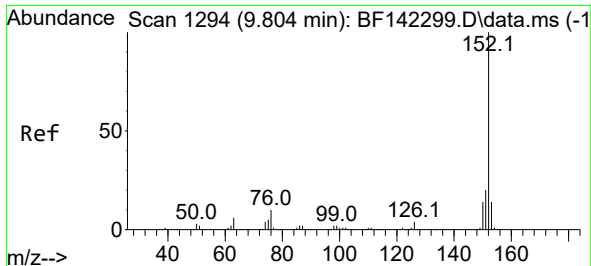
Ion Ratio Lower Upper

154 100

153 39.9 20.5 60.5

76 11.5 0.0 32.8

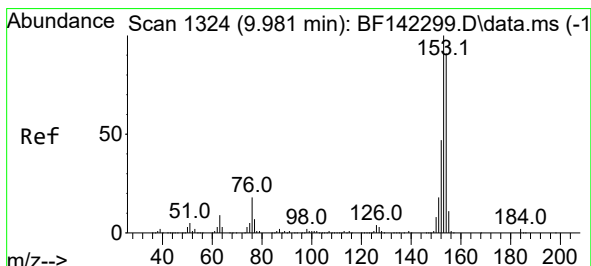
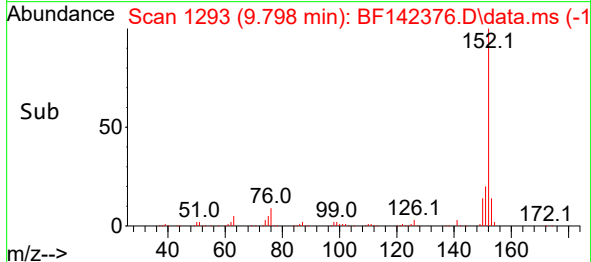
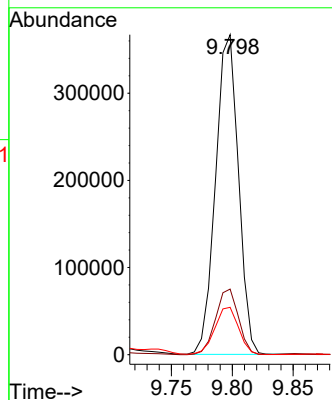
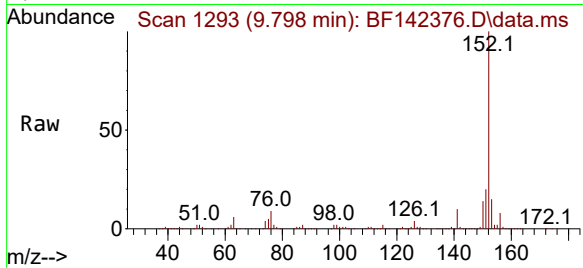




#49
Acenaphthylene
Concen: 10.943 ng
RT: 9.798 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

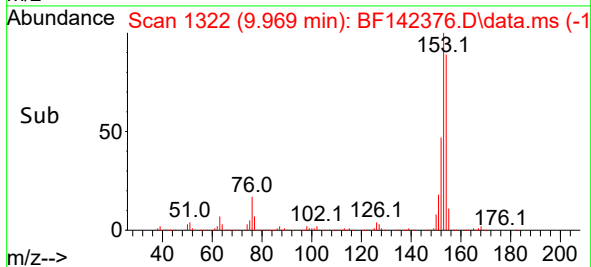
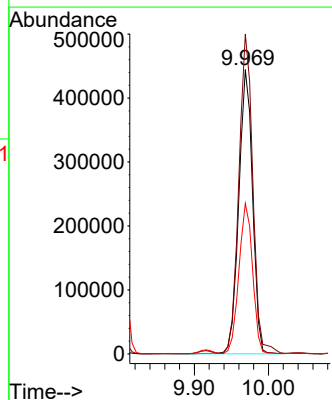
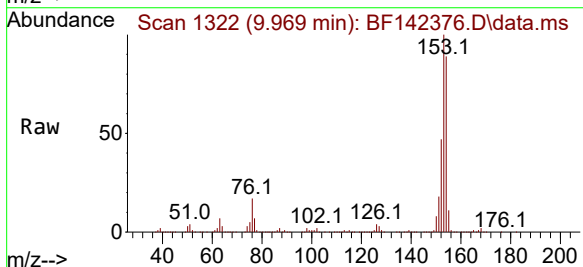
Instrument :
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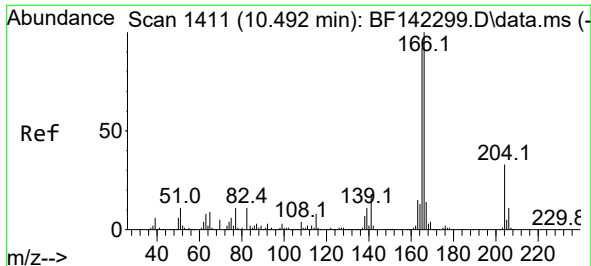
Tgt Ion:152 Resp: 479691
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 14.8 10.8 16.2



#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

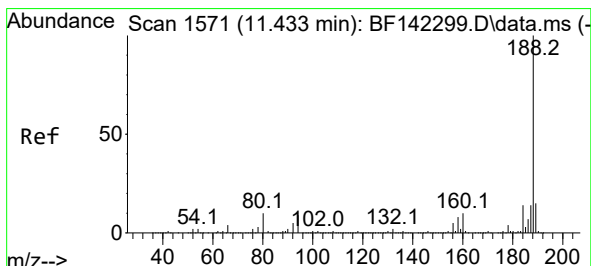
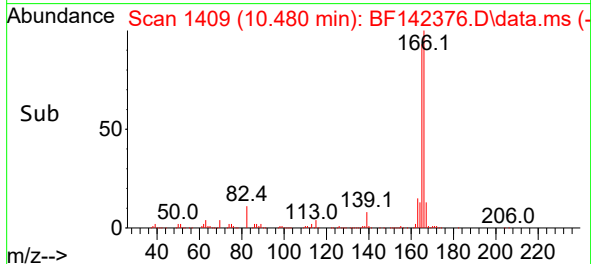
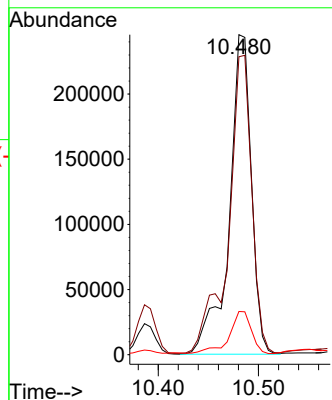
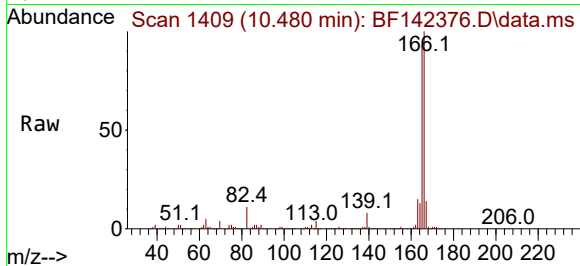




#58
Fluorene
Concen: 12.749 ng
RT: 10.480 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

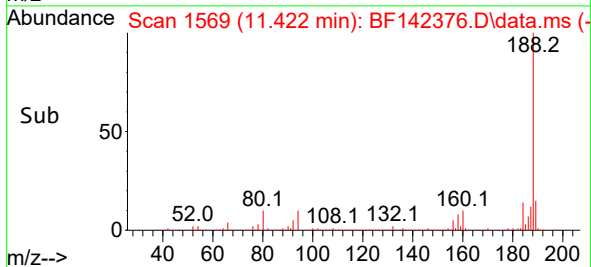
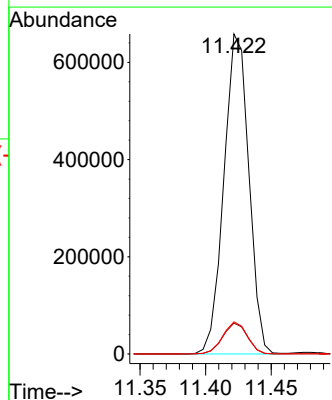
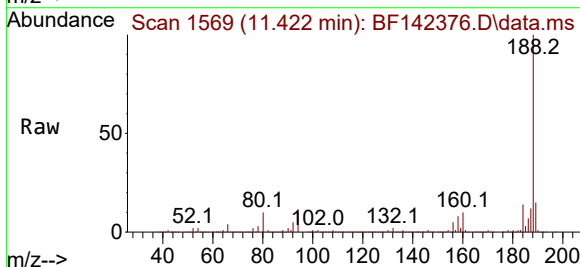
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

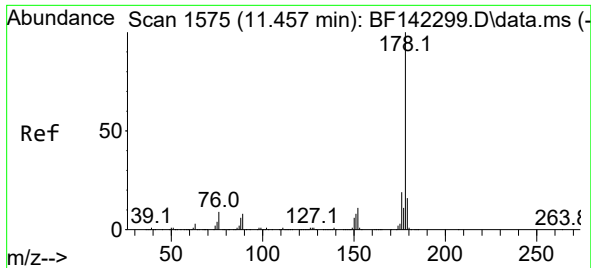
Tgt Ion:166 Resp: 378460
Ion Ratio Lower Upper
166 100
165 93.1 74.0 111.0
167 13.5 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

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

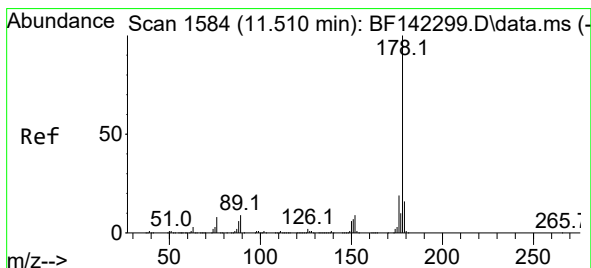
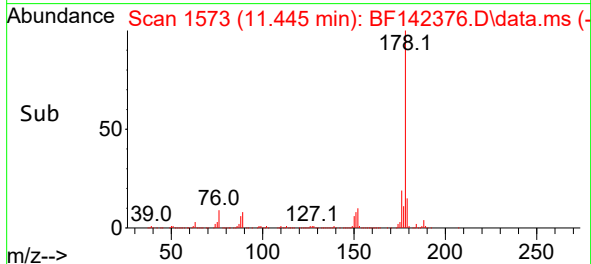
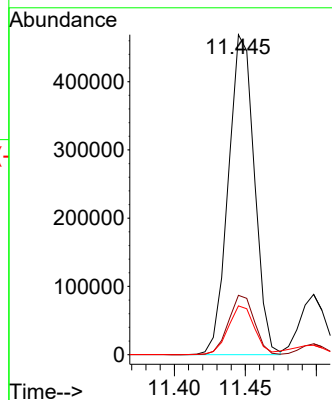
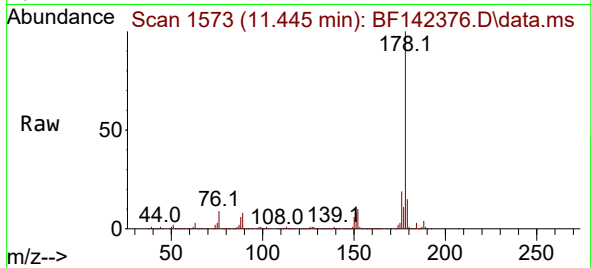




#71
Phenanthrene
Concen: 13.105 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

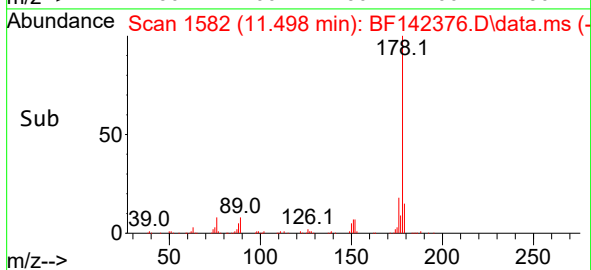
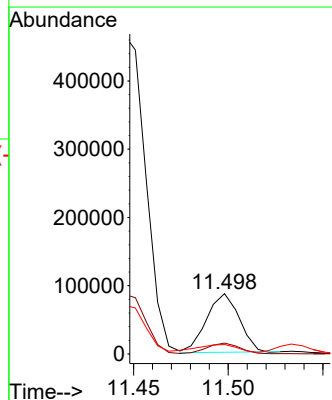
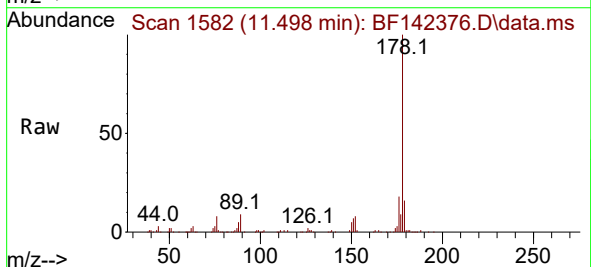
Instrument :
BNA_F
ClientSampleId :
WC-A1-07-C

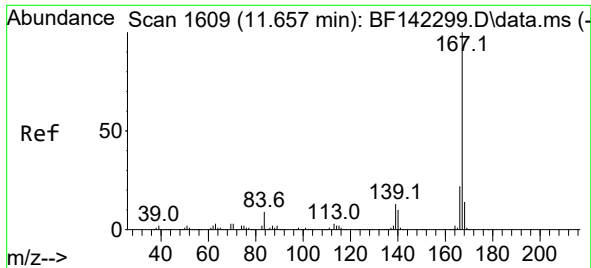
Tgt Ion:178 Resp: 598524
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.3 12.6 18.8



#72
Anthracene
Concen: 2.196 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142376.D
Acq: 14 May 2025 20:08

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

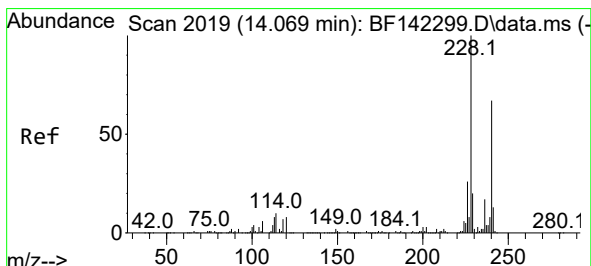
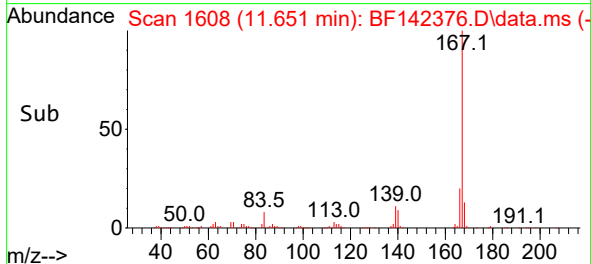
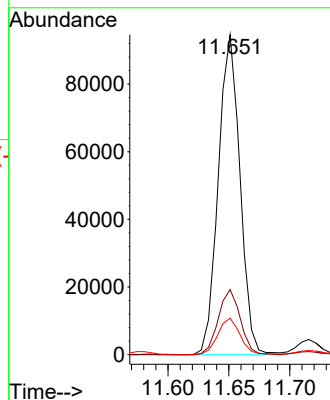
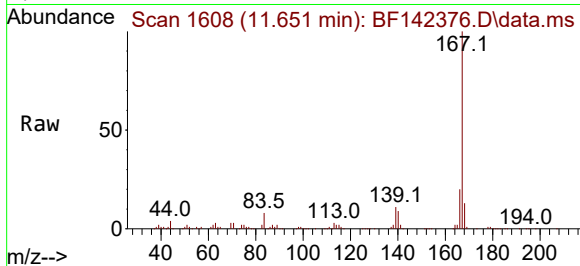




#73
 Carbazole
 Concen: 2.786 ng
 RT: 11.651 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF142376.D
 Acq: 14 May 2025 20:08

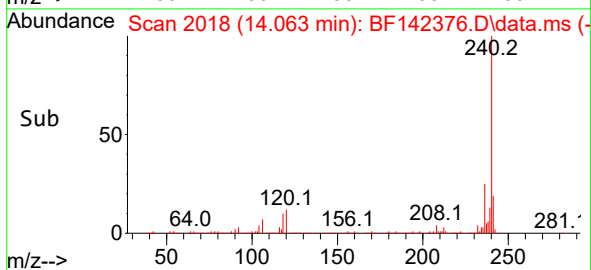
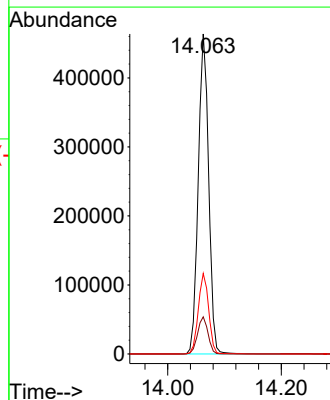
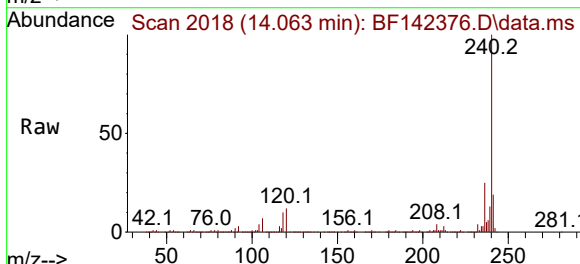
Instrument :
 BNA_F
 ClientSampleId :
 WC-A1-07-C

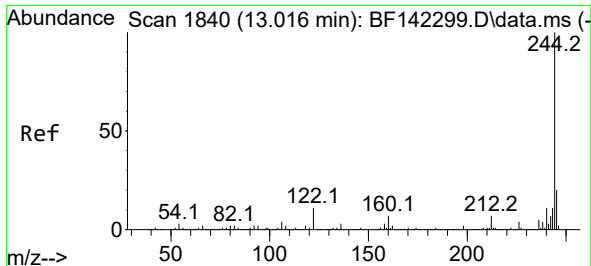
Tgt Ion:167 Resp: 117304
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.2 25.8
 139 11.4 10.3 15.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.063 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF142376.D
 Acq: 14 May 2025 20:08

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

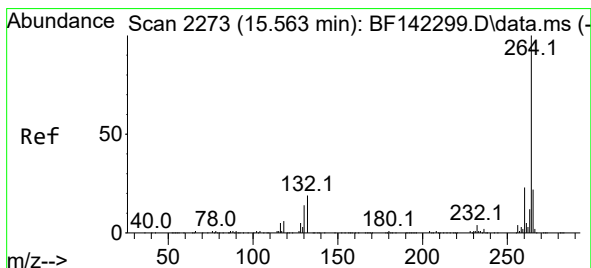
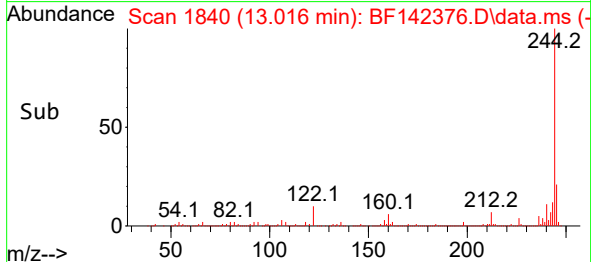
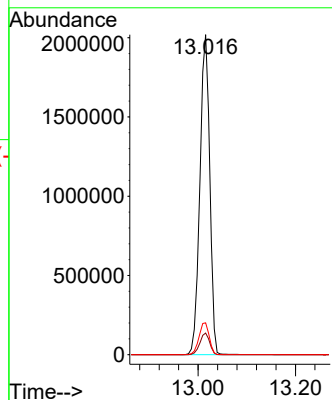
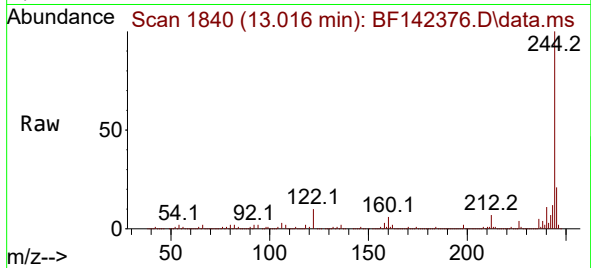




#79
 Terphenyl-d14
 Concen: 71.131 ng
 RT: 13.016 min Scan# 1840
 Delta R.T. -0.000 min
 Lab File: BF142376.D
 Acq: 14 May 2025 20:08

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



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2271
 Delta R.T. -0.012 min
 Lab File: BF142376.D
 Acq: 14 May 2025 20:08

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

