

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)

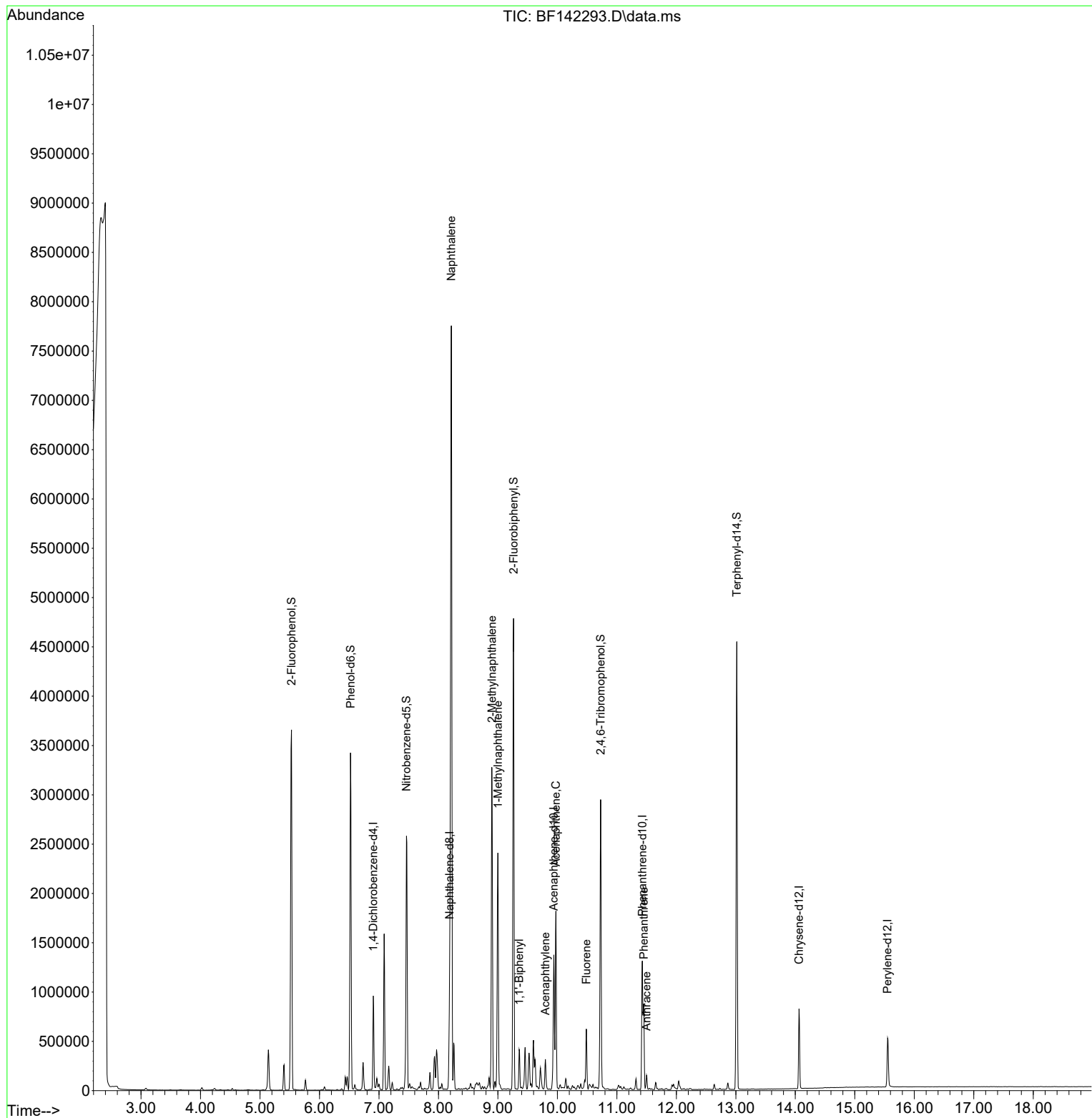
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	197683	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	756649	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	397461	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	651057	20.000	ng	0.00
76) Chrysene-d12	14.063	240	383117	20.000	ng	-0.01
86) Perylene-d12	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
31) Naphthalene	8.216	128	5326768	141.164	ng	96
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
49) Acenaphthylene	9.798	152	87882	2.265	ng	# 95
52) Acenaphthene	9.975	154	547150	24.156	ng	99
58) Fluorene	10.486	166	266289	10.314	ng	99
71) Phenanthrene	11.451	178	448782	12.761	ng	98
72) Anthracene	11.498	178	77810	2.164	ng	98

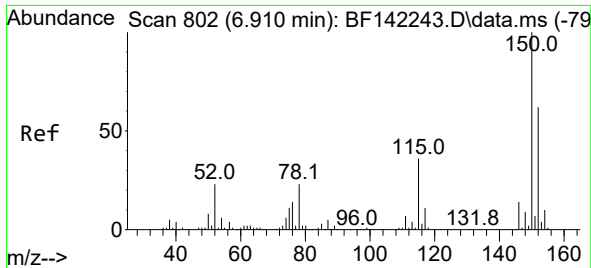
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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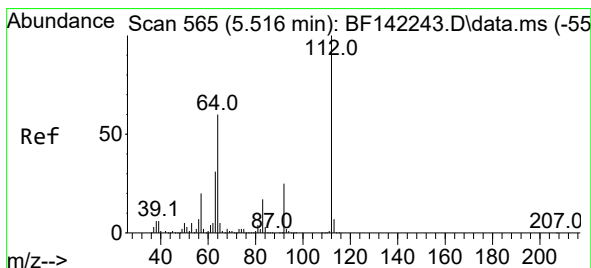
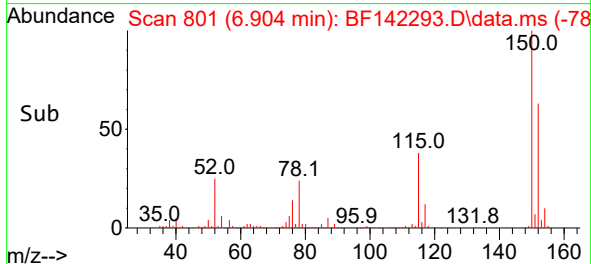
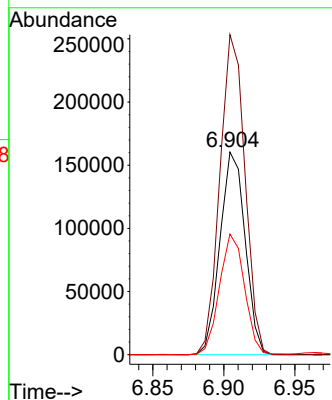
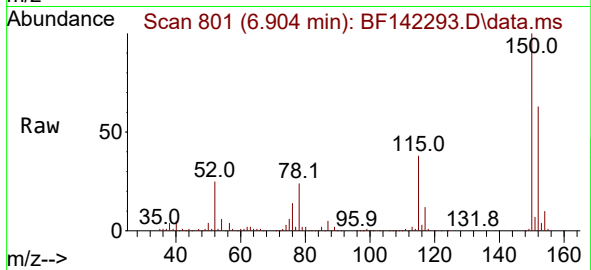




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

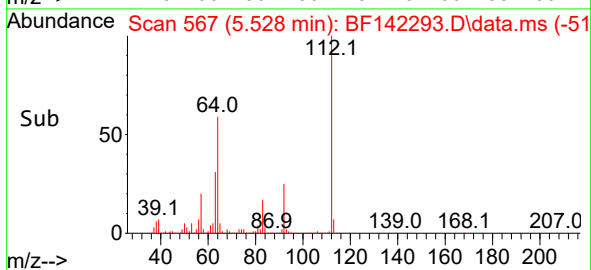
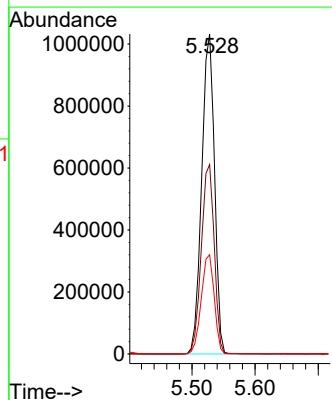
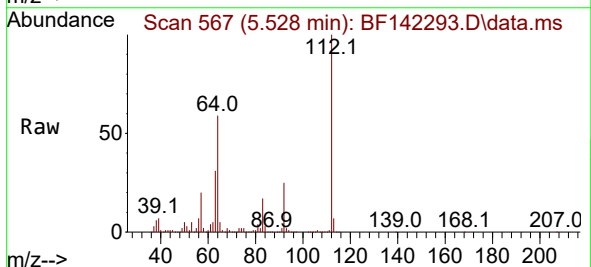
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

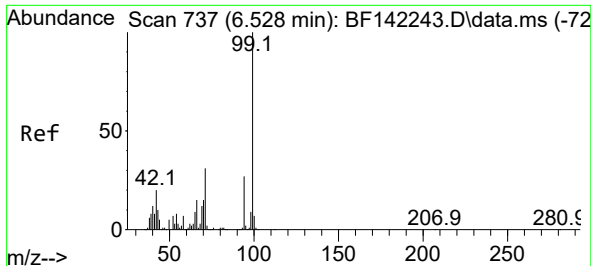
Tgt Ion:152 Resp: 197683
Ion Ratio Lower Upper
152 100
150 157.9 130.2 195.2
115 59.6 47.0 70.4



#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

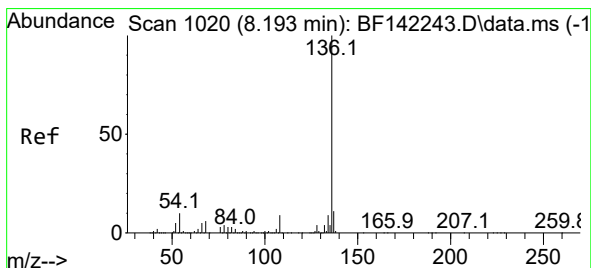
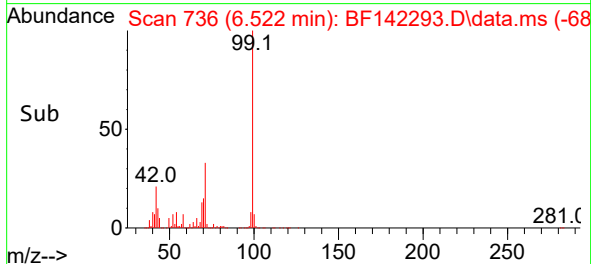
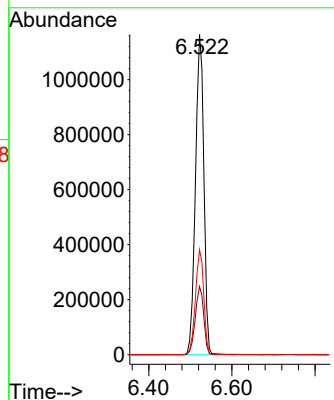
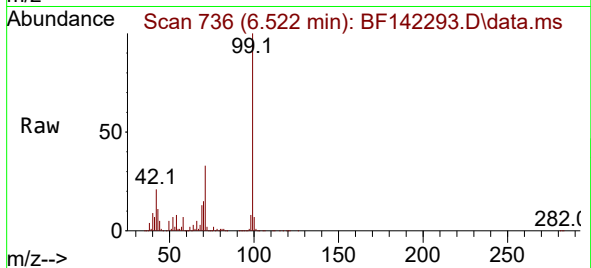




#7
Phenol-d6
Concen: 109.289 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

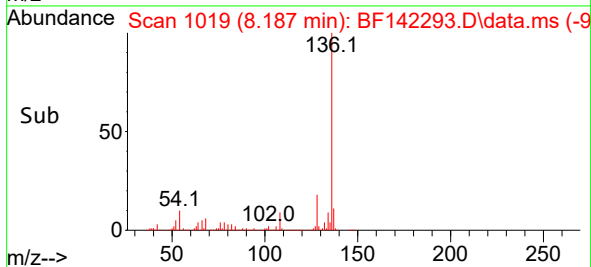
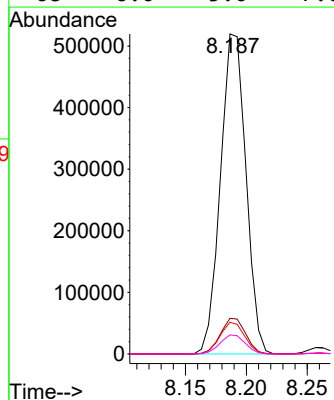
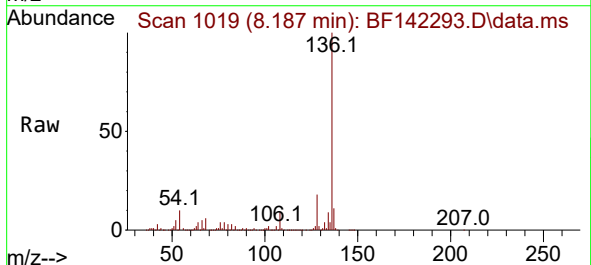
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

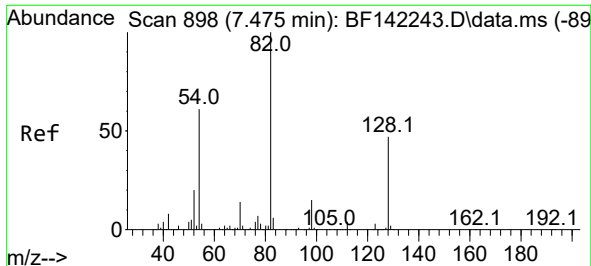
Tgt Ion: 99 Resp: 1633564
Ion Ratio Lower Upper
99 100
42 21.3 16.3 24.5
71 32.8 25.0 37.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

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

Instrument :

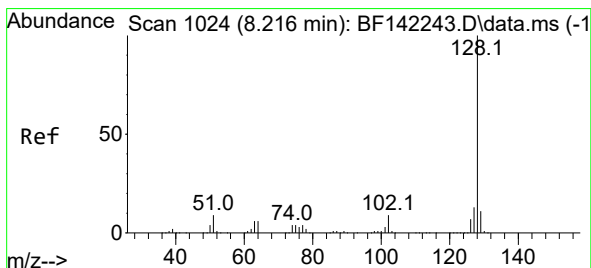
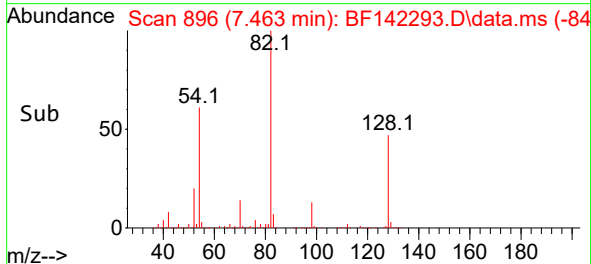
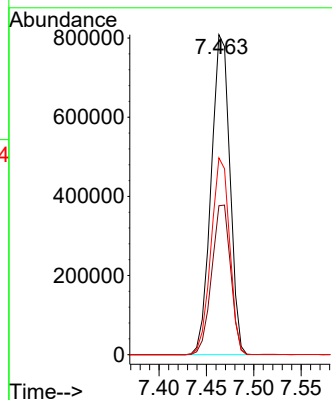
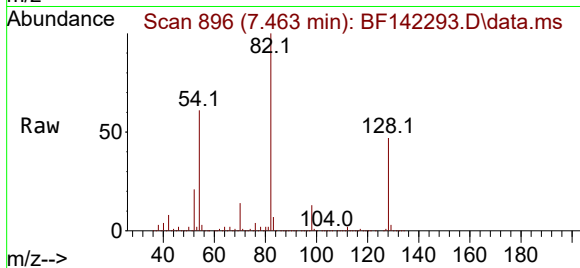
BNA_F

ClientSampleId :

WC-A4-02-C

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



#31

Naphthalene

Concen: 141.164 ng

RT: 8.216 min Scan# 1024

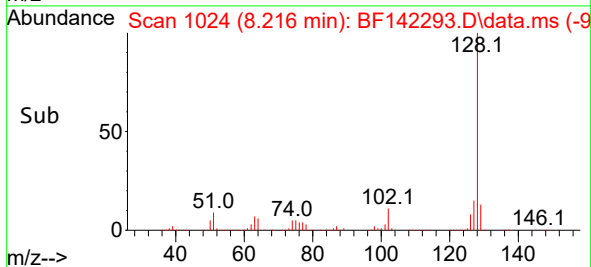
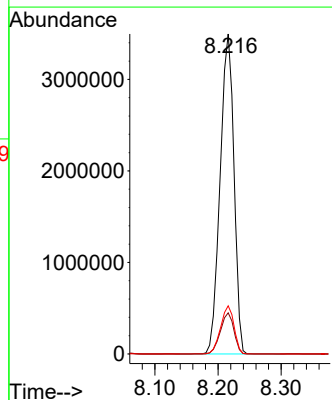
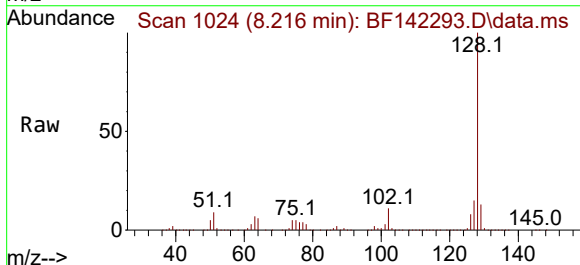
Delta R.T. -0.000 min

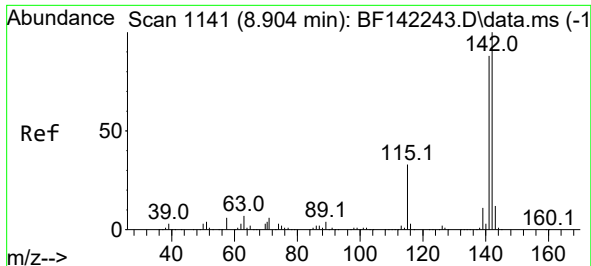
Lab File: BF142293.D

Acq: 02 May 2025 21:11

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

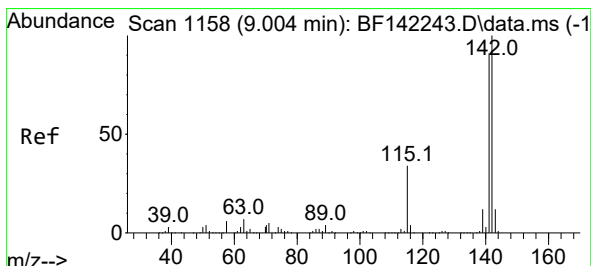
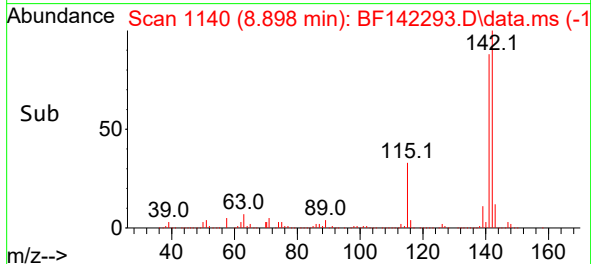
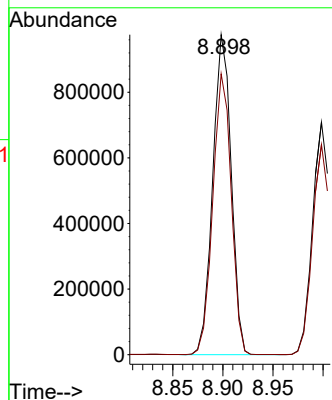
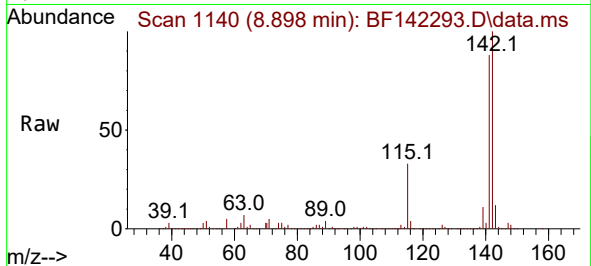




#37
2-Methylnaphthalene
Concen: 53.834 ng
RT: 8.898 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

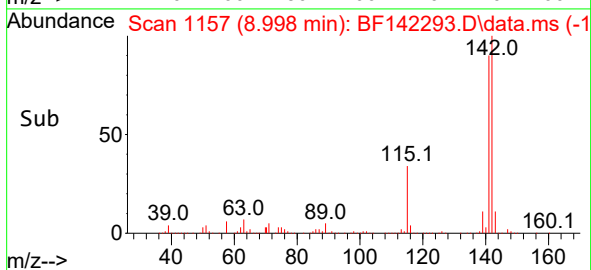
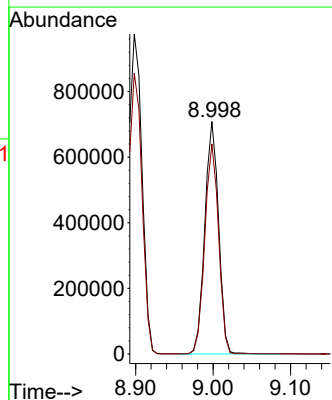
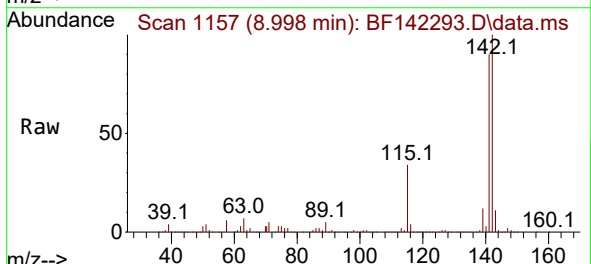
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

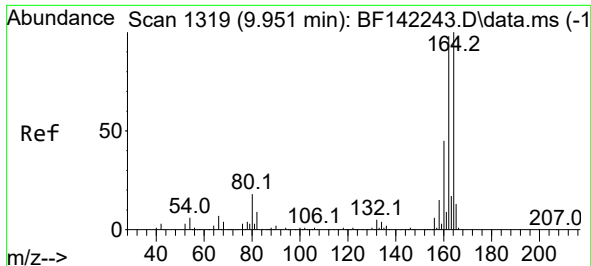
Tgt Ion:142 Resp: 1248966
Ion Ratio Lower Upper
142 100
141 87.7 70.5 105.7



#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

Tgt Ion:142 Resp: 874370
Ion Ratio Lower Upper
142 100
141 90.3 72.8 109.2

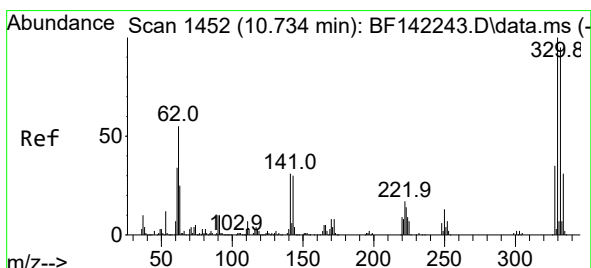
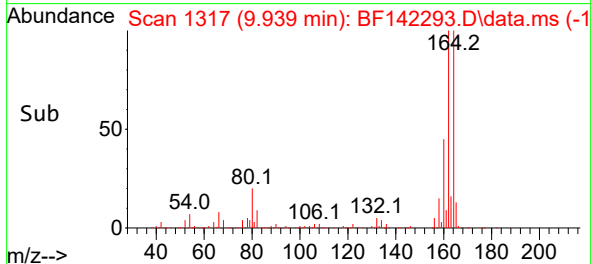
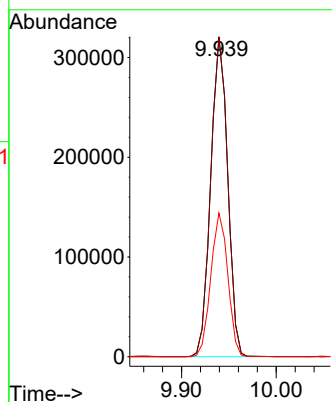
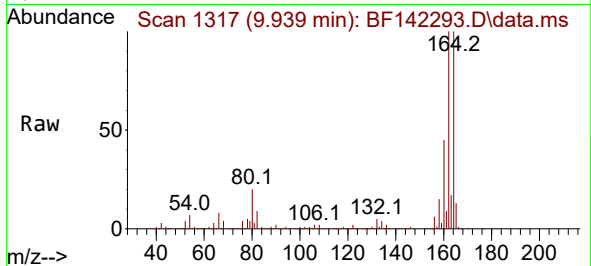




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

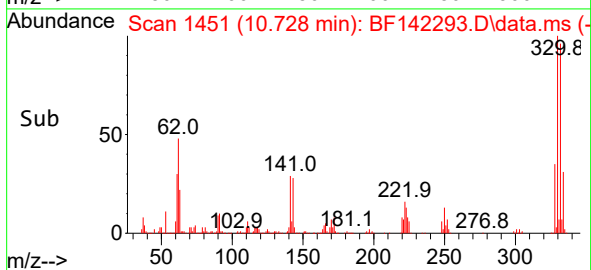
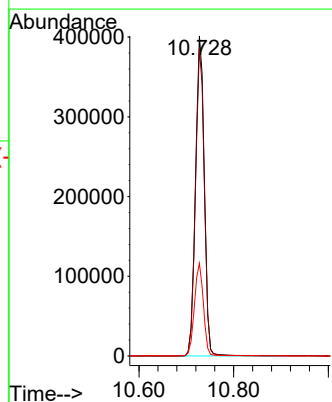
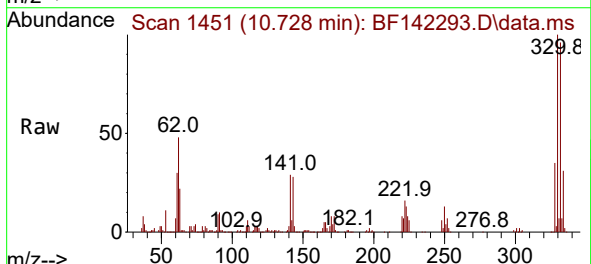
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

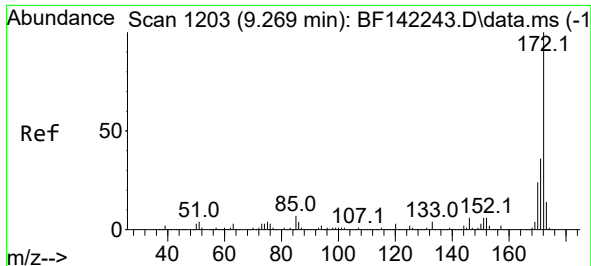
Tgt Ion:164 Resp: 397461
Ion Ratio Lower Upper
164 100
162 100.1 78.6 117.8
160 44.9 35.7 53.5



#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

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# 1203

Delta R.T. -0.006 min

Lab File: BF142293.D

Acq: 02 May 2025 21:11

Instrument :

BNA_F

ClientSampleId :

WC-A4-02-C

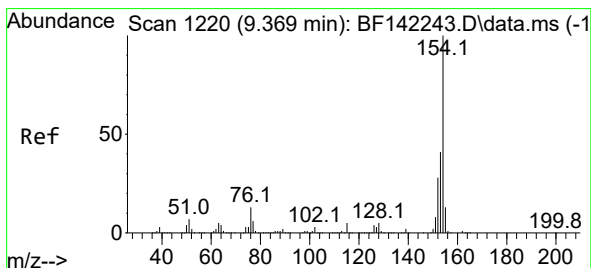
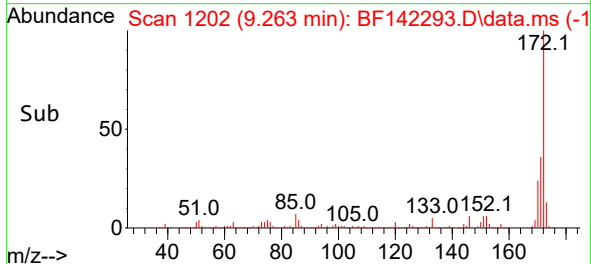
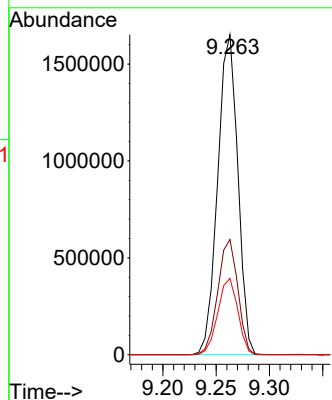
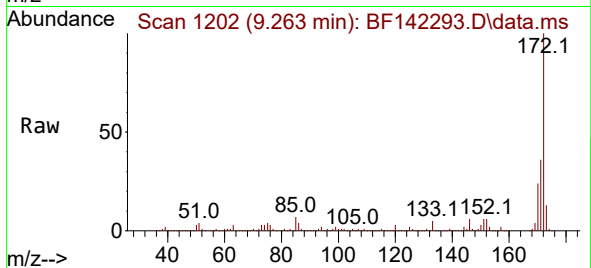
Tgt Ion:172 Resp: 2168877

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# 1218

Delta R.T. -0.012 min

Lab File: BF142293.D

Acq: 02 May 2025 21:11

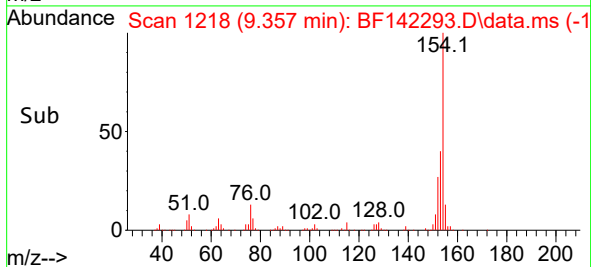
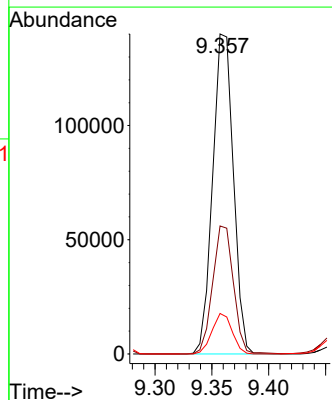
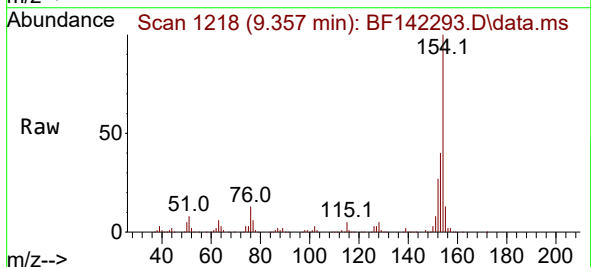
Tgt Ion:154 Resp: 177786

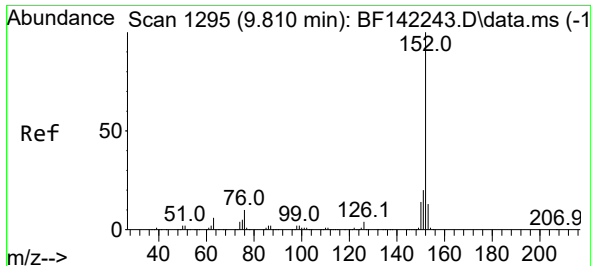
Ion Ratio Lower Upper

154 100

153 40.0 20.5 60.5

76 12.7 0.0 32.8





#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 :

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ClientSampleId :

WC-A4-02-C

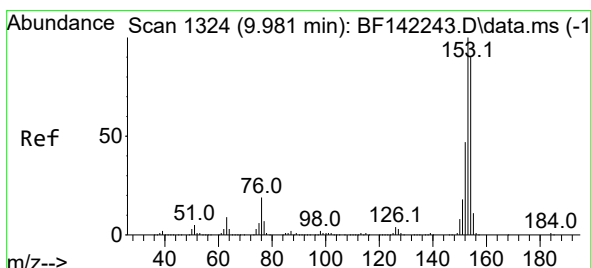
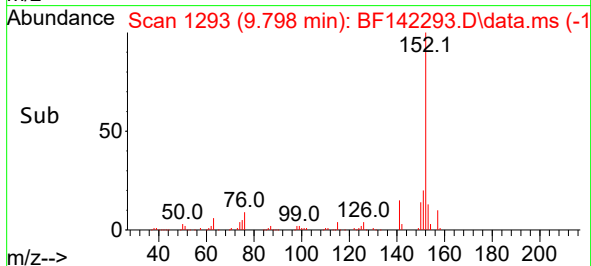
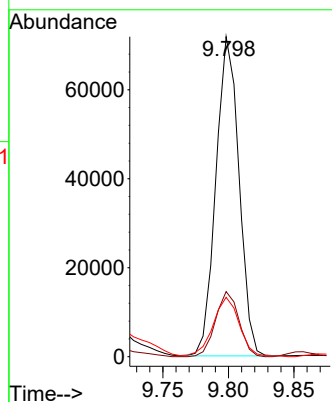
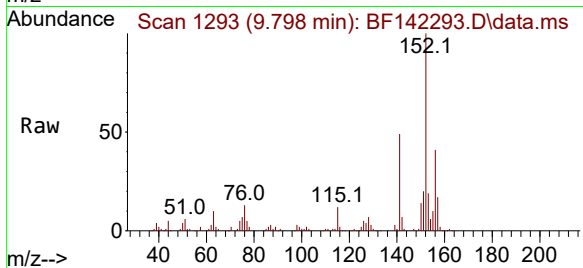
Tgt Ion:152 Resp: 87882

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 18.6 10.7 16.1#



#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

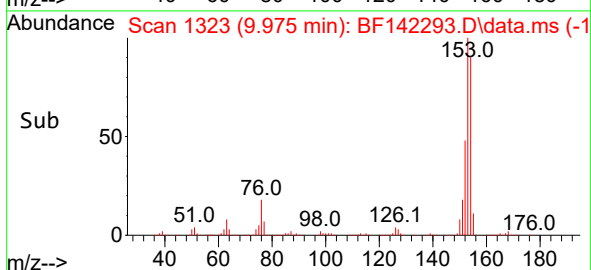
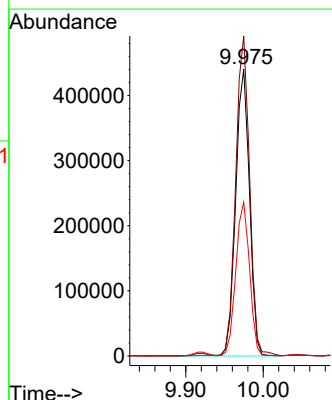
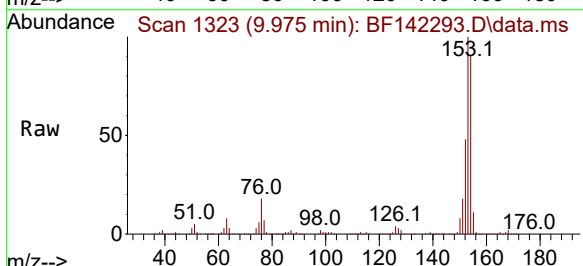
Tgt Ion:154 Resp: 547150

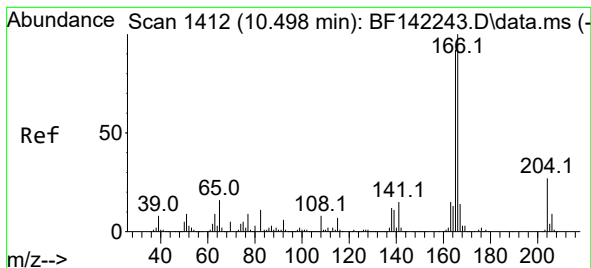
Ion Ratio Lower Upper

154 100

153 111.6 88.6 133.0

152 53.7 42.1 63.1





#58

Fluorene

Concen: 10.314 ng

RT: 10.486 min Scan# 1412

Delta R.T. -0.012 min

Lab File: BF142293.D

Acq: 02 May 2025 21:11

Instrument :

BNA_F

ClientSampleId :

WC-A4-02-C

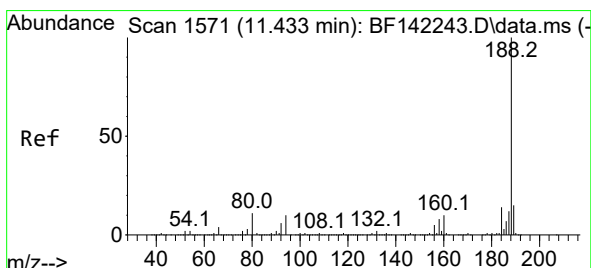
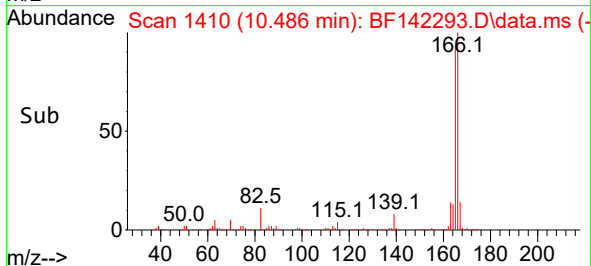
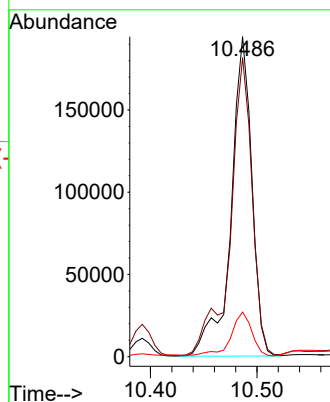
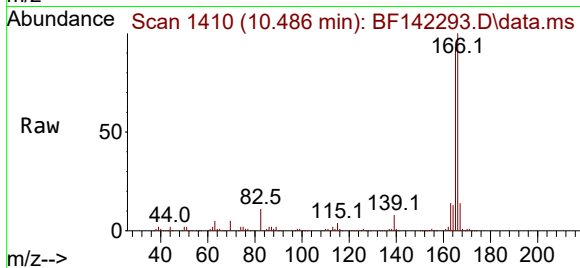
Tgt Ion:166 Resp: 266289

Ion Ratio Lower Upper

166 100

165 93.5 73.9 110.9

167 14.0 10.8 16.2



#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

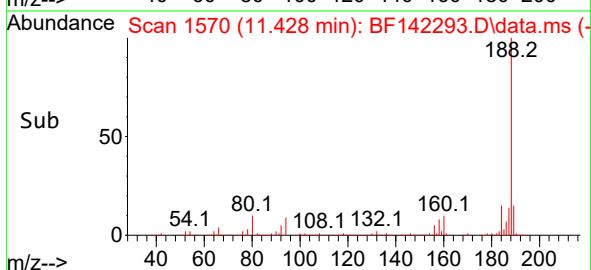
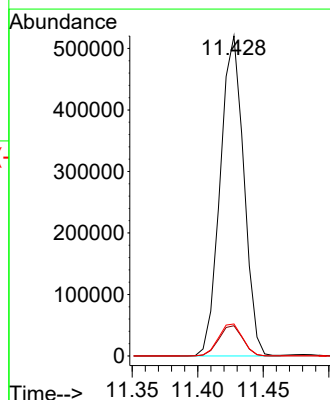
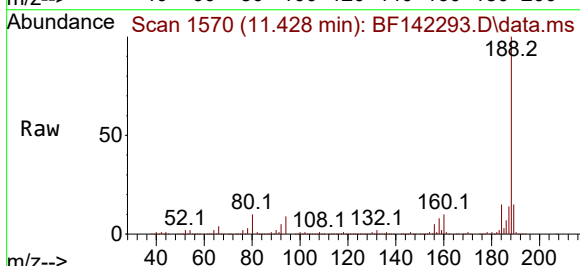
Tgt Ion:188 Resp: 651057

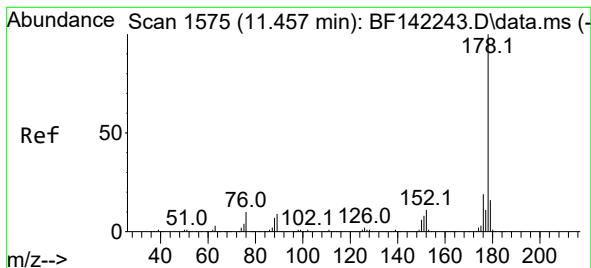
Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.2

80 10.0 8.6 12.8





#71

Phenanthrene

Concen: 12.761 ng

RT: 11.451 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

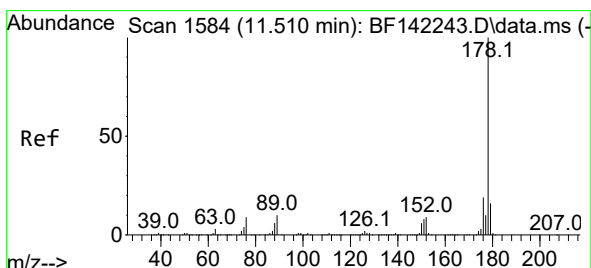
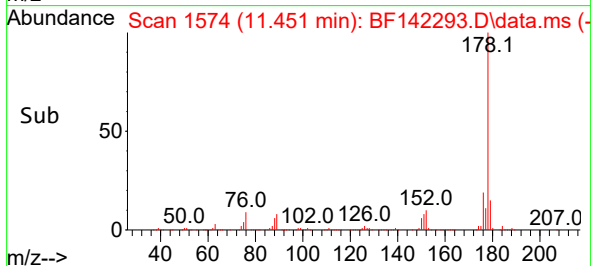
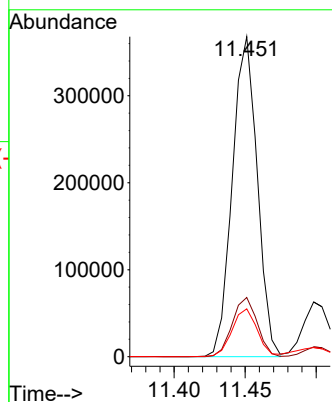
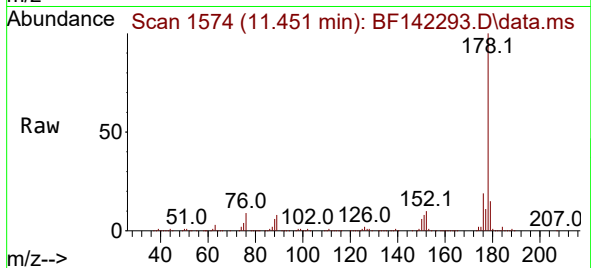
Tgt Ion:178 Resp: 448782

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

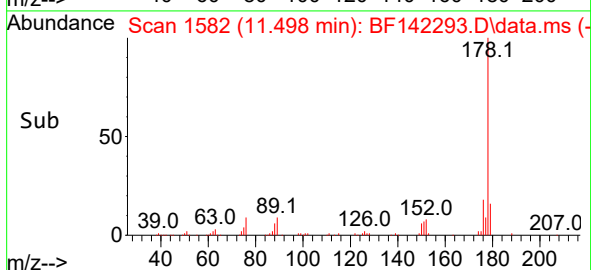
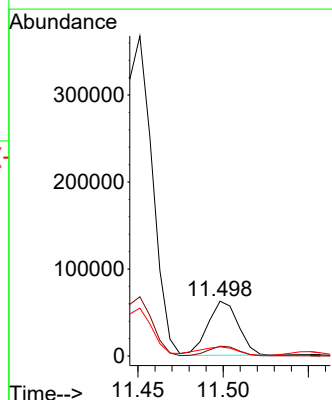
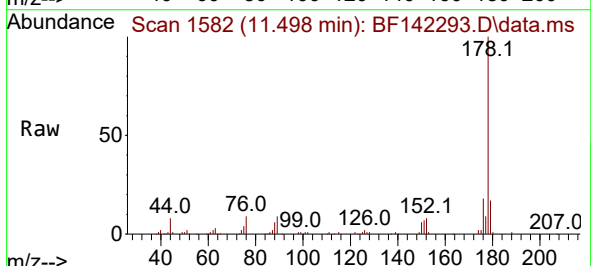
Tgt Ion:178 Resp: 77810

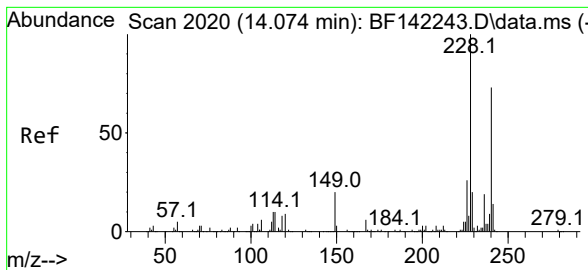
Ion Ratio Lower Upper

178 100

176 17.8 15.3 22.9

179 16.6 12.7 19.1

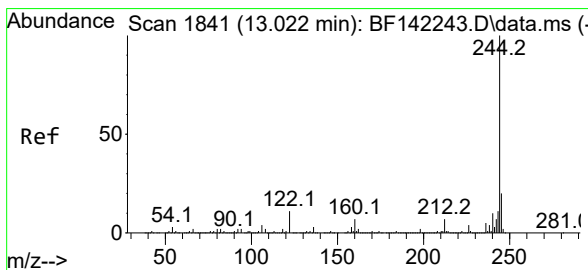
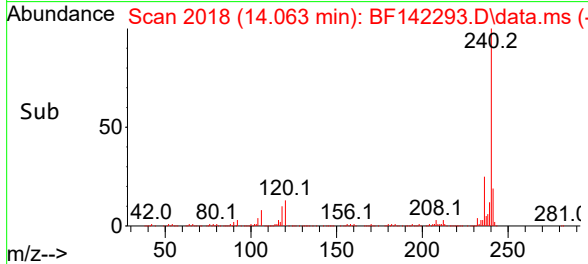
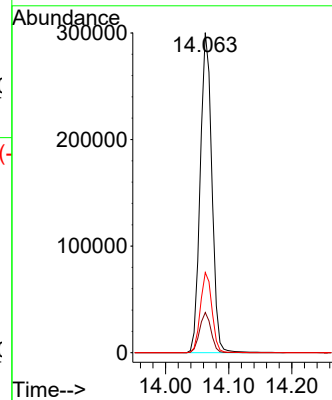
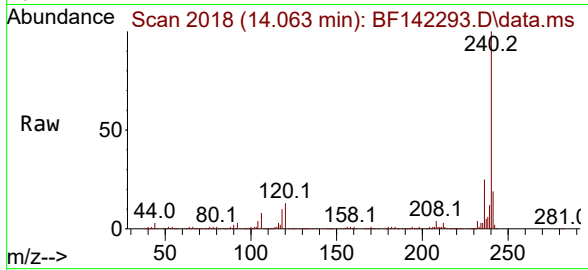




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142293.D
Acq: 02 May 2025 21:11

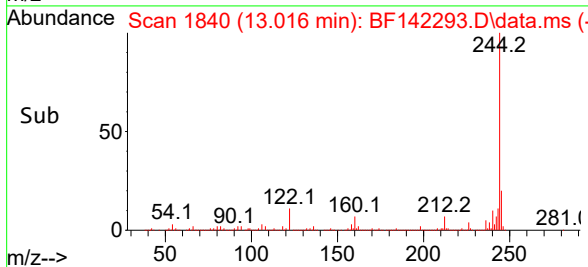
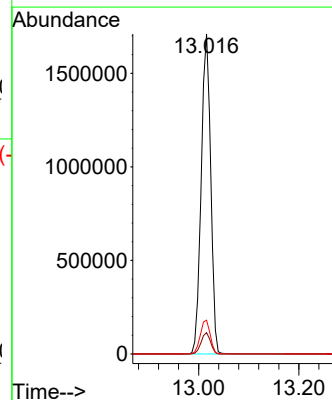
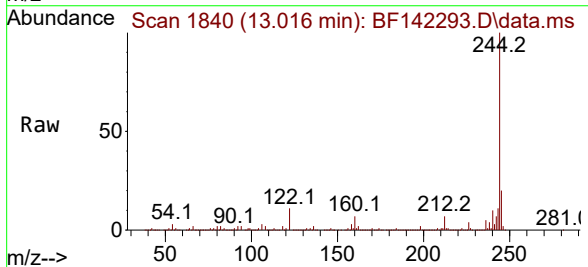
Instrument :
BNA_F
ClientSampleId :
WC-A4-02-C

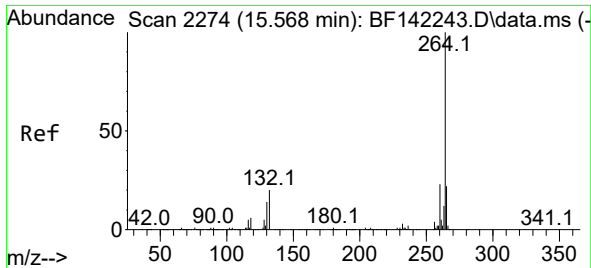
Tgt Ion:240 Resp: 383117
Ion Ratio Lower Upper
240 100
120 12.5 10.1 15.1
236 25.1 20.5 30.7



#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

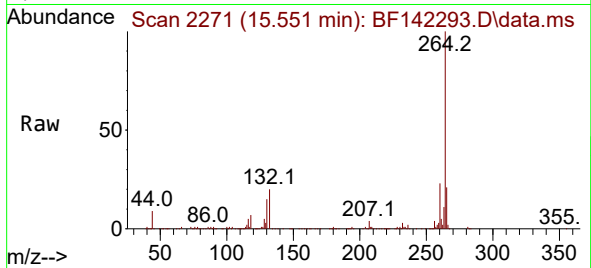
Tgt Ion:244 Resp: 2240558
Ion Ratio Lower Upper
244 100
212 6.6 5.3 7.9
122 10.6 9.1 13.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
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:264 Resp: 300660
Ion Ratio Lower Upper
264 100
260 22.7 18.4 27.6
265 21.4 17.3 25.9

