

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142371.D
 Acq On : 14 May 2025 17:44
 Operator : RC/JU
 Sample : Q2001-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-A4-03-C

Quant Time: May 14 18:25:11 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)

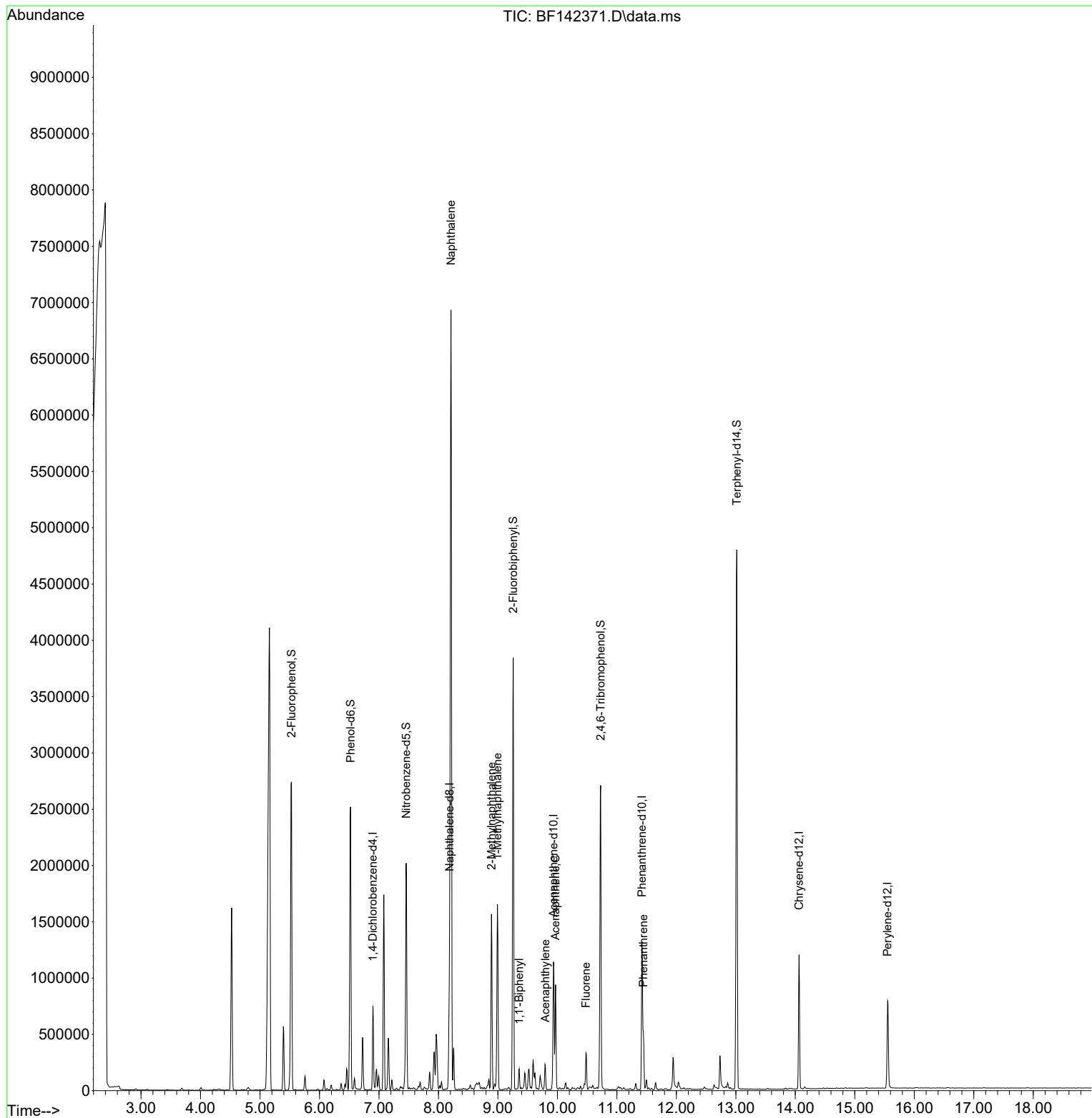
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	157065	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	607562	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	356894	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	679403	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	566544	20.000	ng	0.00
86) Perylene-d12	15.551	264	464654	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1063336	115.570	ng	0.02
7) Phenol-d6	6.522	99	1231475	108.823	ng	0.00
23) Nitrobenzene-d5	7.457	82	826771	82.991	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	529383	153.634	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1795415	71.731	ng	0.00
79) Terphenyl-d14	13.016	244	2521198	65.867	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.210	128	4820265	163.699	ng	96
37) 2-Methylnaphthalene	8.892	142	609422	33.307	ng	100
38) 1-Methylnaphthalene	8.992	142	630532	33.063	ng	99
46) 1,1'-Biphenyl	9.357	154	83235	3.042	ng	99
49) Acenaphthylene	9.798	152	94454	2.775	ng	# 97
52) Acenaphthene	9.969	154	286577	14.000	ng	98
58) Fluorene	10.480	166	153222	6.646	ng	99
71) Phenanthrene	11.445	178	255297	7.169	ng	99

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

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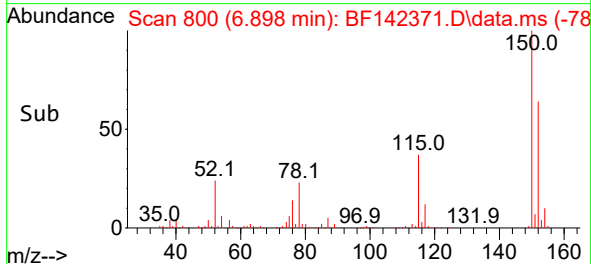
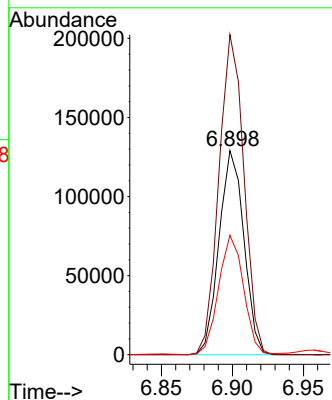
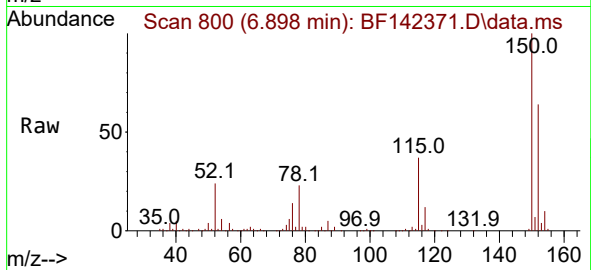




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

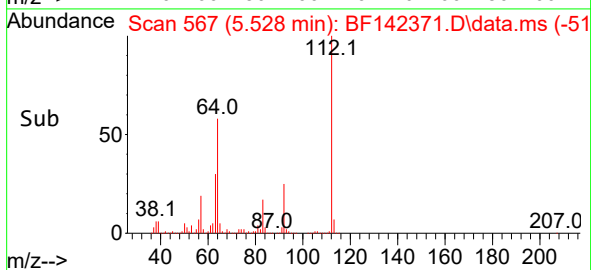
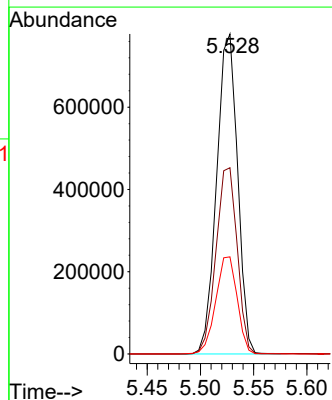
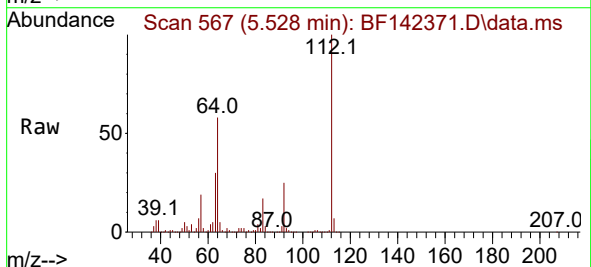
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

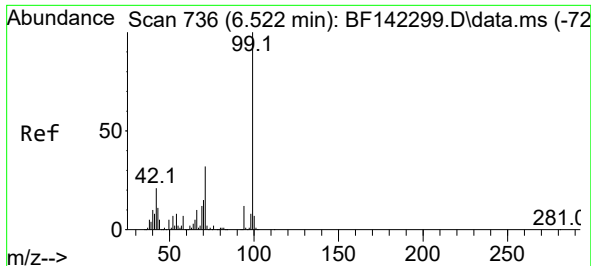
Tgt Ion:152 Resp: 157065
Ion Ratio Lower Upper
152 100
150 156.8 126.6 190.0
115 58.5 47.3 70.9



#5
2-Fluorophenol
Concen: 115.570 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:112 Resp: 1063336
Ion Ratio Lower Upper
112 100
64 58.2 48.9 73.3
63 30.4 25.6 38.4

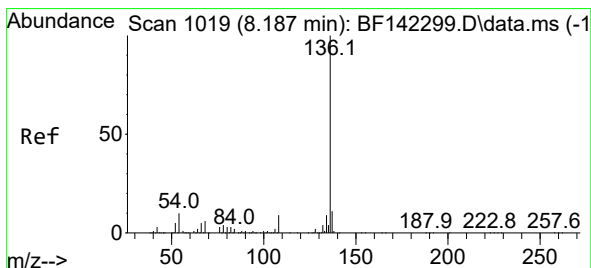
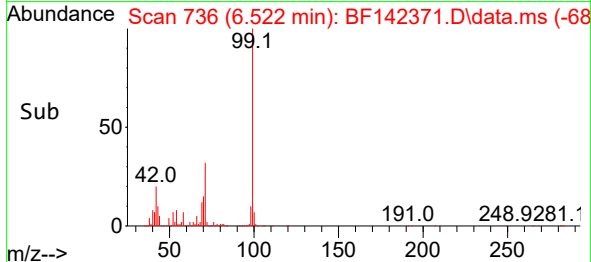
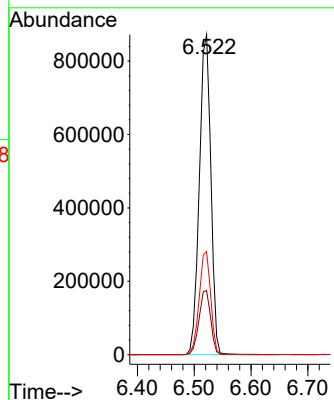
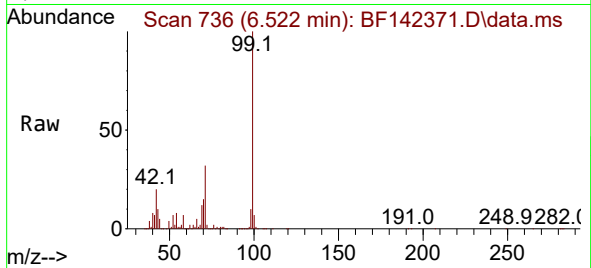




#7
Phenol-d6
Concen: 108.823 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

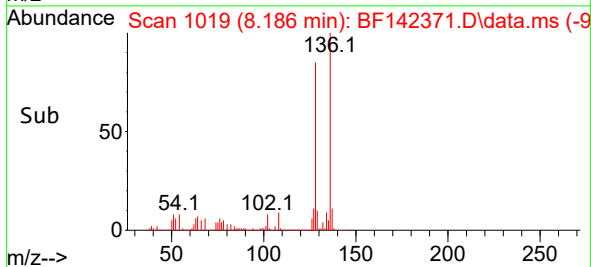
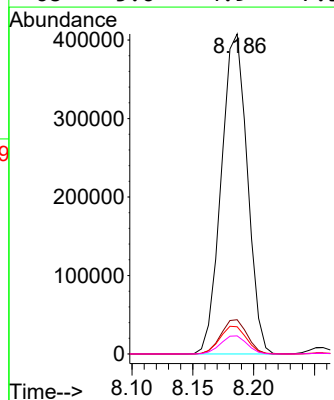
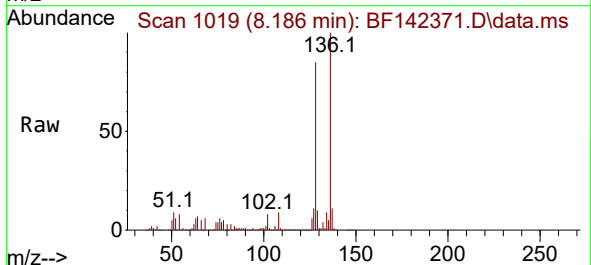
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

Tgt Ion: 99 Resp: 1231475
Ion Ratio Lower Upper
99 100
42 20.1 17.0 25.4
71 32.2 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:136 Resp: 607562
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.5 7.7 11.5
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 82.991 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

Instrument :

BNA_F

ClientSampleId :

WC-A4-03-C

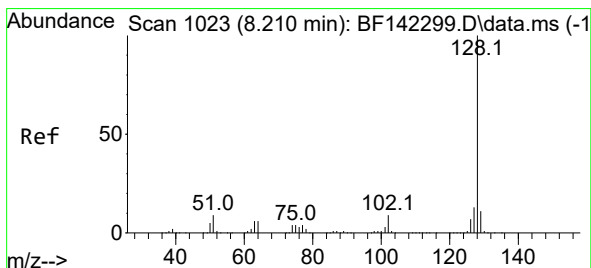
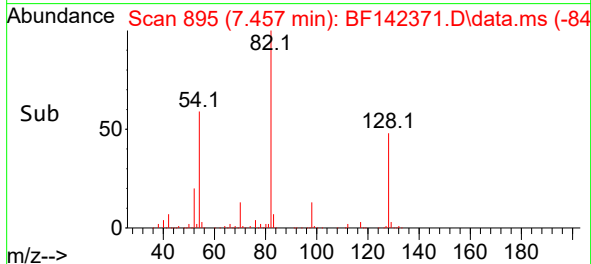
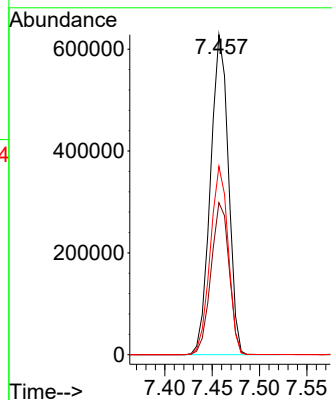
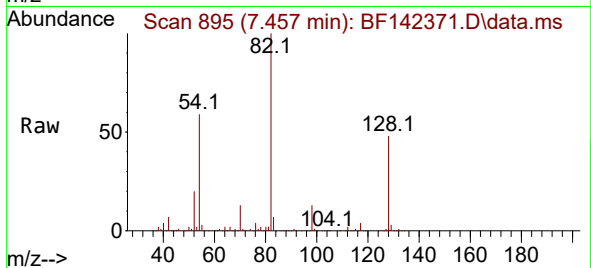
Tgt Ion: 82 Resp: 826771

Ion Ratio Lower Upper

82 100

128 47.5 37.0 55.6

54 58.9 48.6 73.0



#31

Naphthalene

Concen: 163.699 ng

RT: 8.210 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

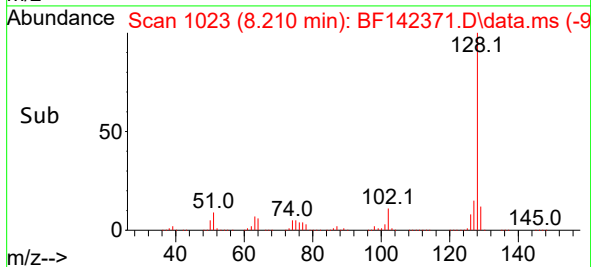
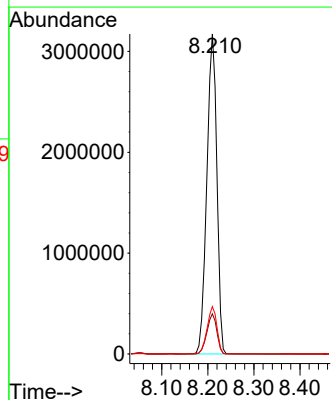
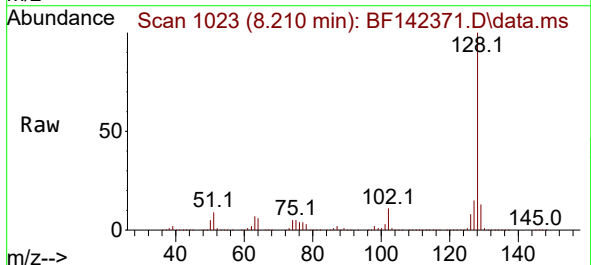
Tgt Ion: 128 Resp: 4820265

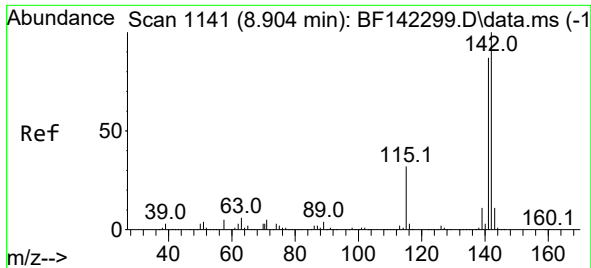
Ion Ratio Lower Upper

128 100

129 12.5 9.1 13.7

127 14.8 10.5 15.7

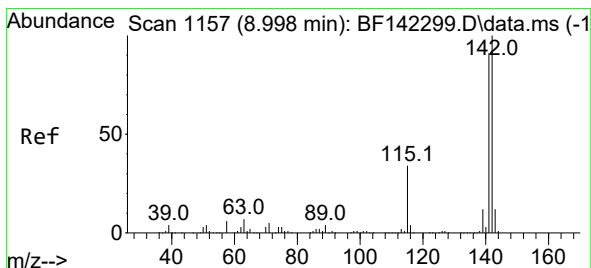
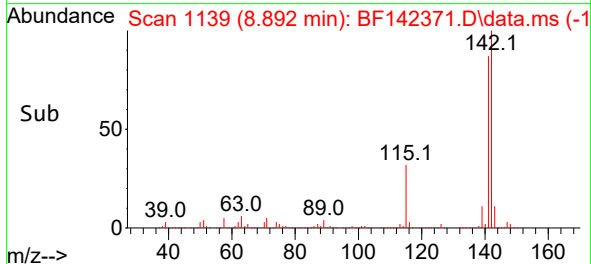
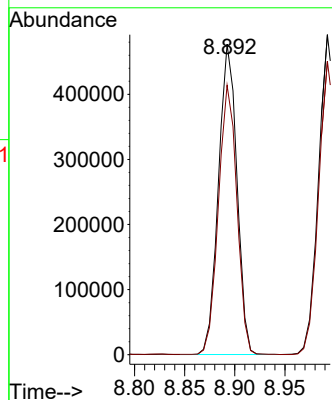
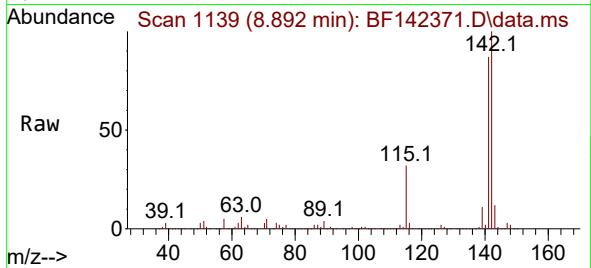




#37
2-Methylnaphthalene
Concen: 33.307 ng
RT: 8.892 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

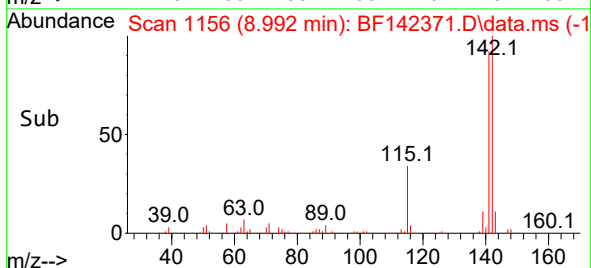
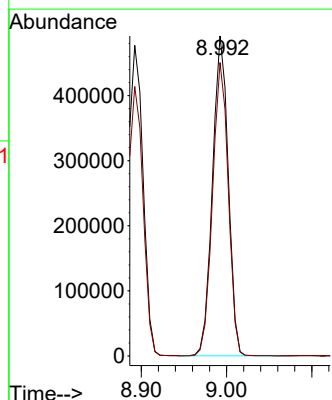
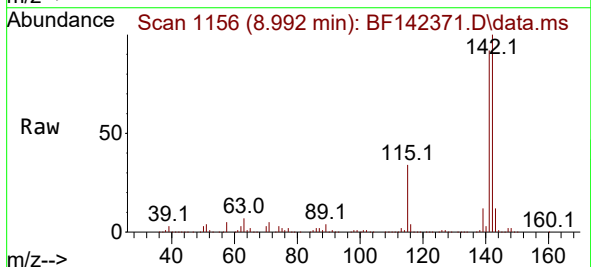
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

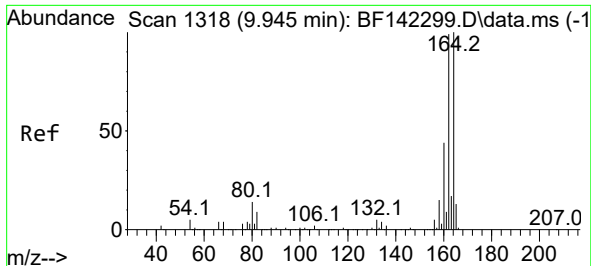
Tgt Ion:142 Resp: 609422
Ion Ratio Lower Upper
142 100
141 86.8 69.4 104.2



#38
1-Methylnaphthalene
Concen: 33.063 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:142 Resp: 630532
Ion Ratio Lower Upper
142 100
141 91.7 72.5 108.7

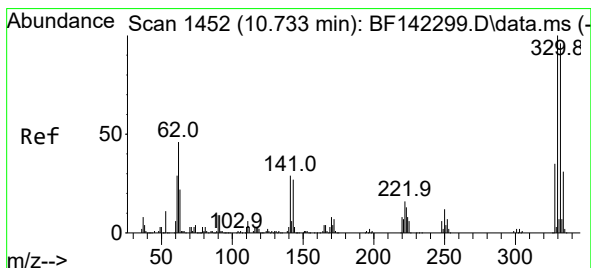
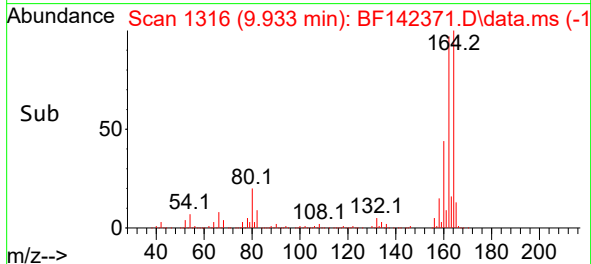
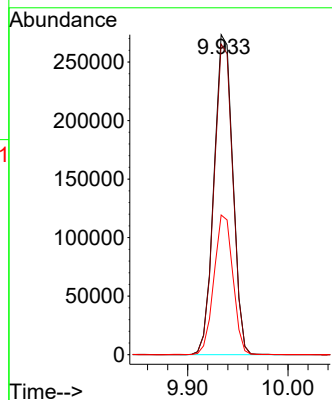
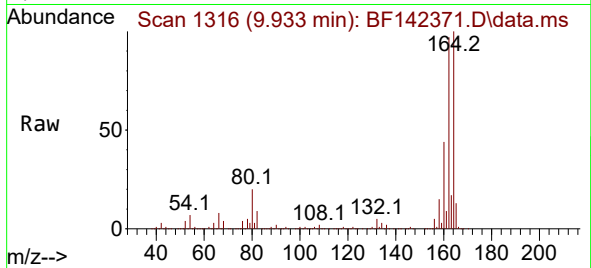




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

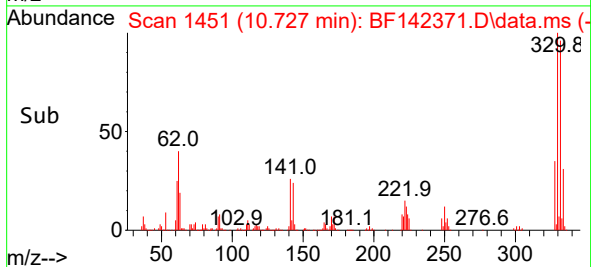
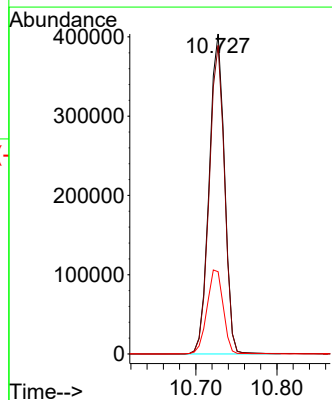
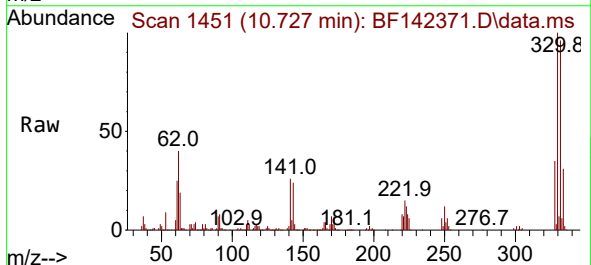
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

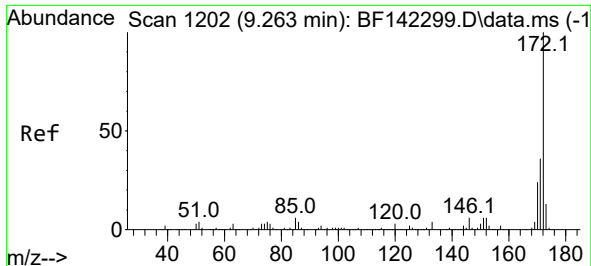
Tgt Ion:164 Resp: 356894
Ion Ratio Lower Upper
164 100
162 97.1 79.2 118.8
160 43.7 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 153.634 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:330 Resp: 529383
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 28.0 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 71.731 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

Instrument :

BNA_F

ClientSampleId :

WC-A4-03-C

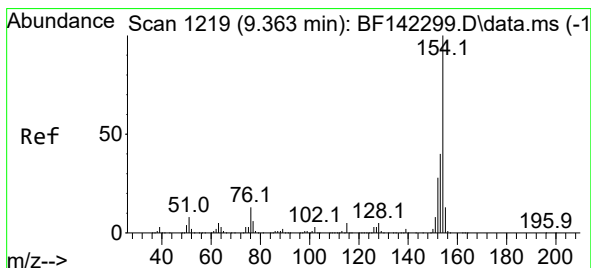
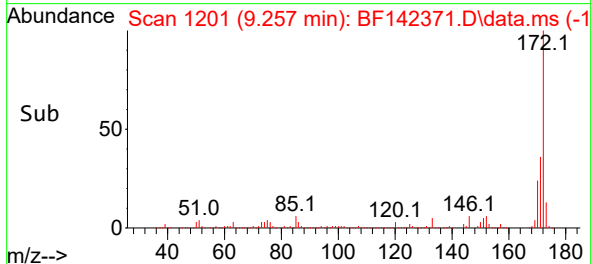
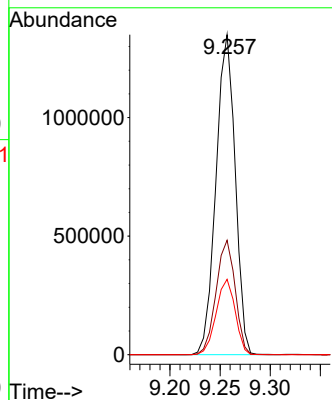
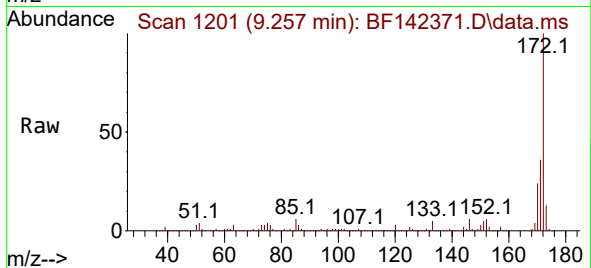
Tgt Ion:172 Resp: 1795415

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.5 19.0 28.4



#46

1,1'-Biphenyl

Concen: 3.042 ng

RT: 9.357 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

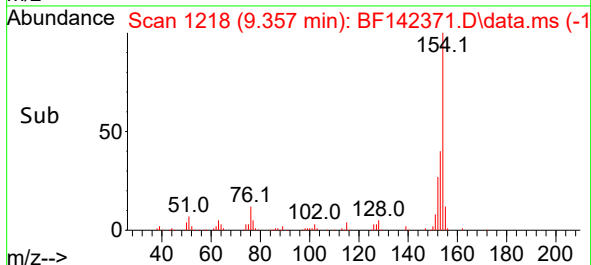
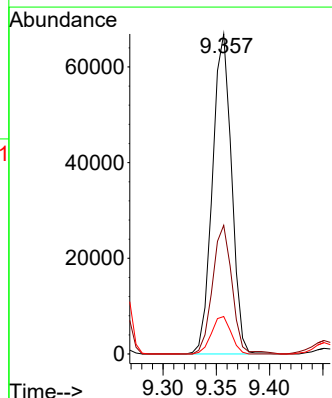
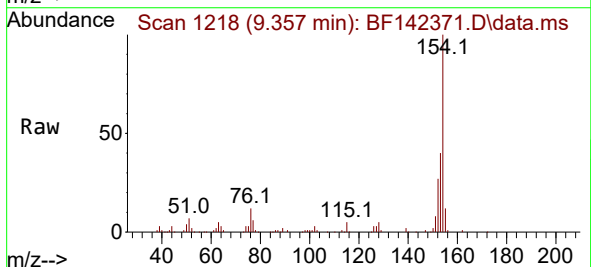
Tgt Ion:154 Resp: 83235

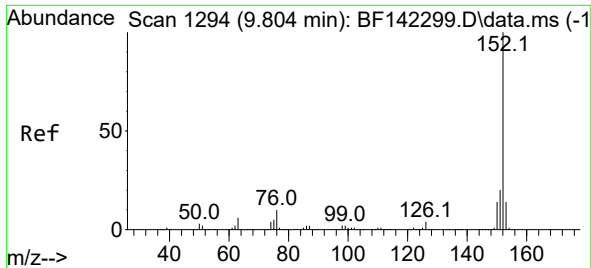
Ion Ratio Lower Upper

154 100

153 40.2 20.5 60.5

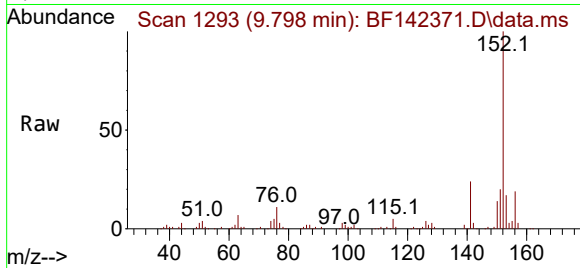
76 11.7 0.0 32.8



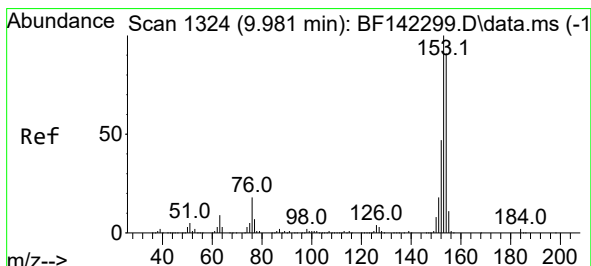
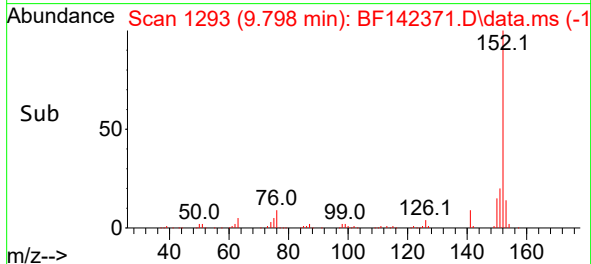
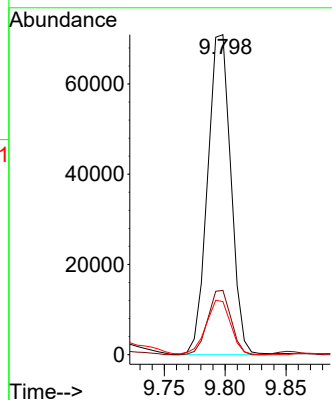


#49
Acenaphthylene
Concen: 2.775 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

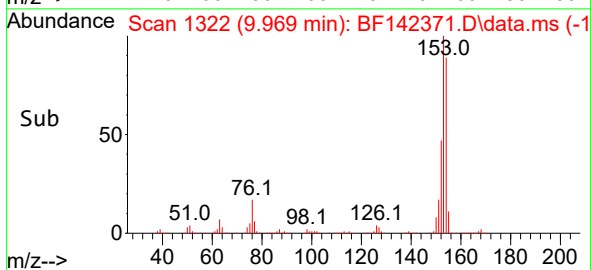
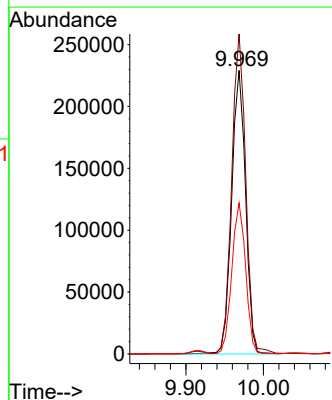
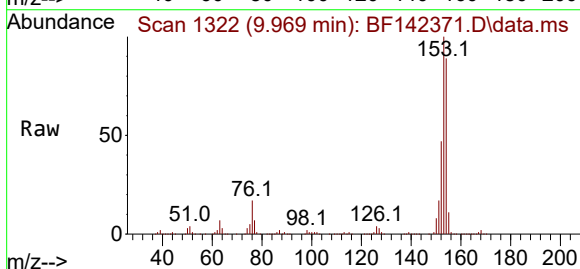


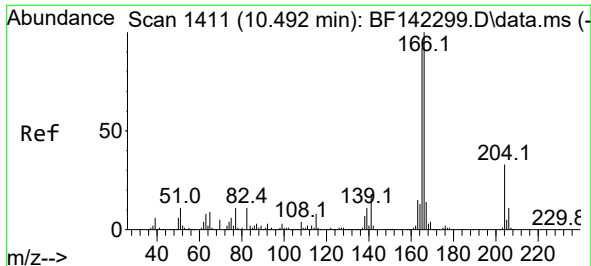
Tgt Ion:152 Resp: 94454
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 16.6 10.8 16.2#



#52
Acenaphthene
Concen: 14.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:154 Resp: 286577
Ion Ratio Lower Upper
154 100
153 112.9 88.0 132.0
152 53.3 41.6 62.4

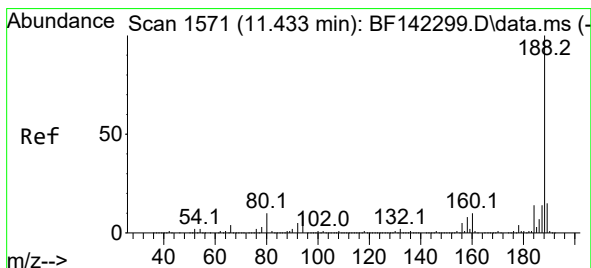
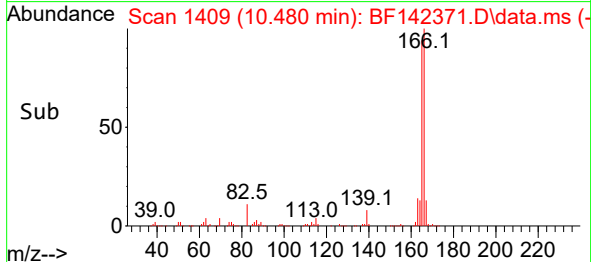
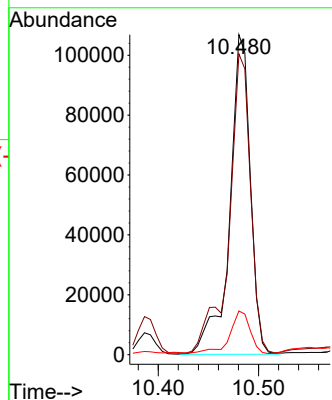
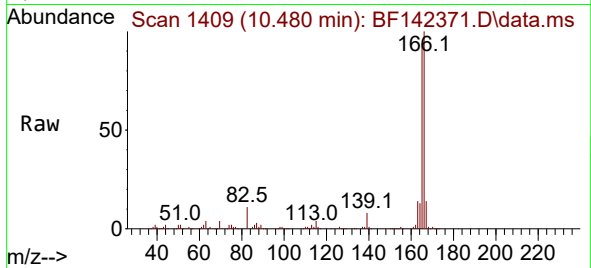




#58
Fluorene
Concen: 6.646 ng
RT: 10.480 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

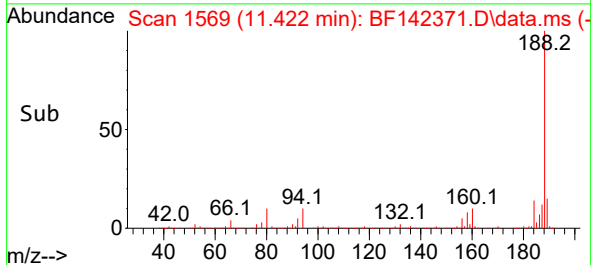
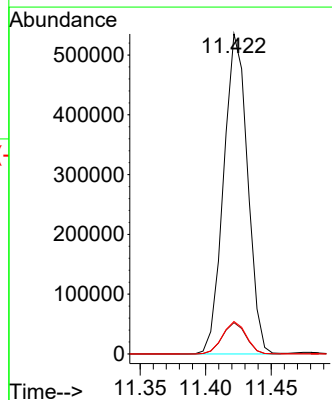
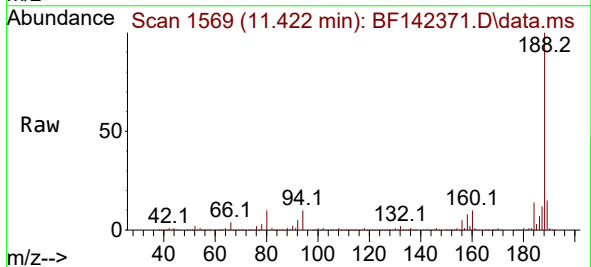
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

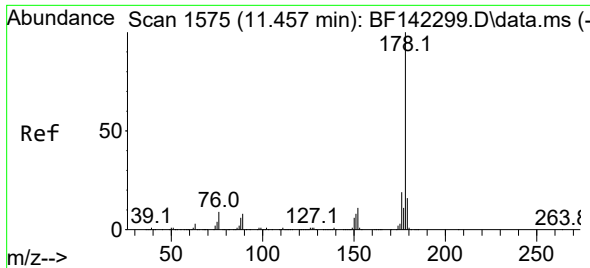
Tgt Ion:166 Resp: 153222
Ion Ratio Lower Upper
166 100
165 94.0 74.0 111.0
167 13.6 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:188 Resp: 679403
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 10.2 7.9 11.9

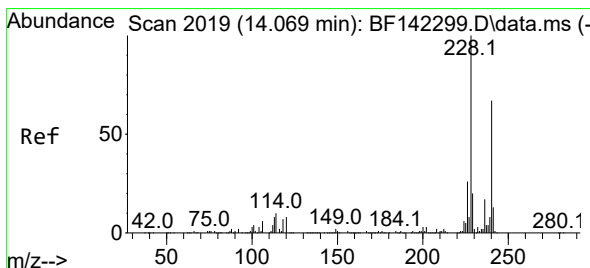
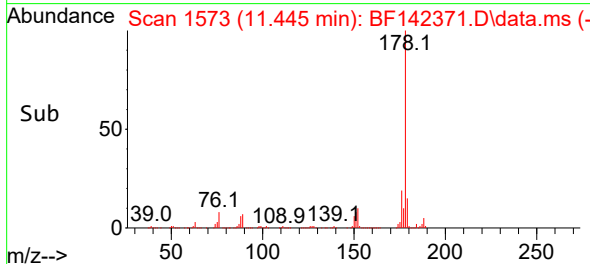
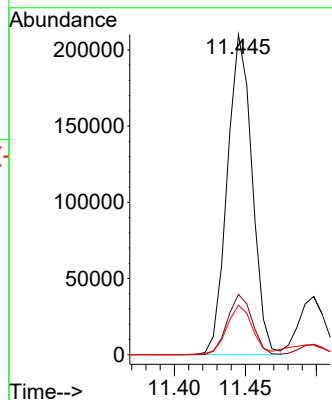
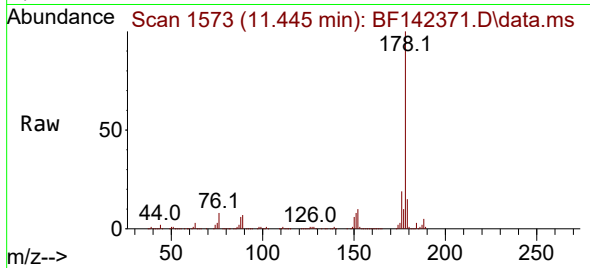




#71
Phenanthrene
Concen: 7.169 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

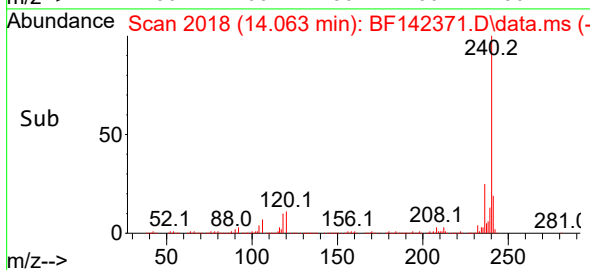
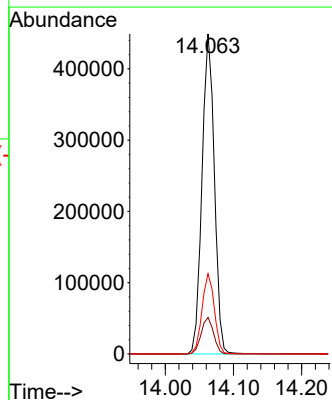
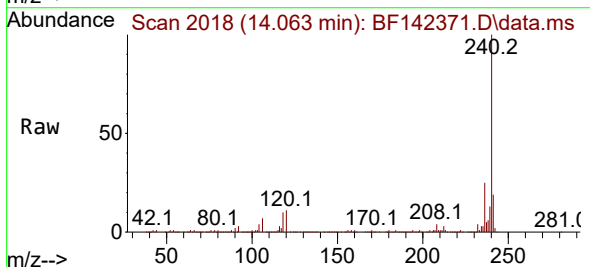
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

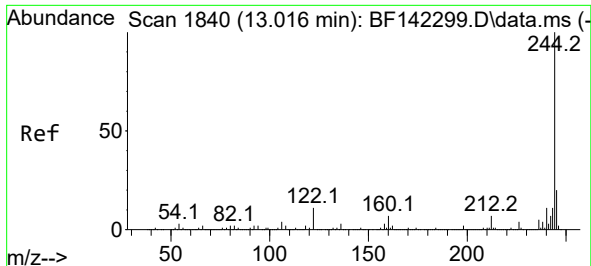
Tgt Ion:178 Resp: 255297
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.5 12.6 18.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:240 Resp: 566544
Ion Ratio Lower Upper
240 100
120 11.4 9.7 14.5
236 25.1 20.0 30.0

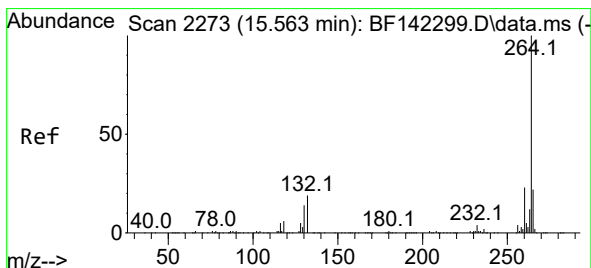
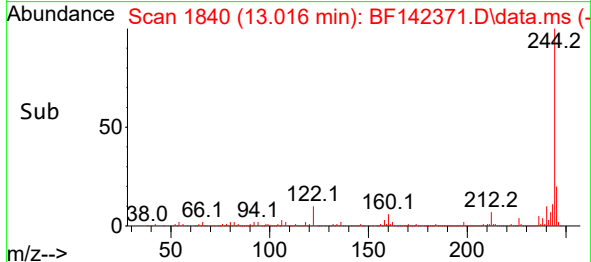
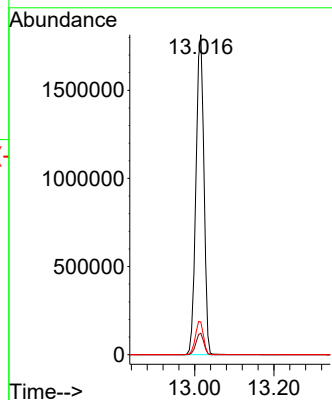
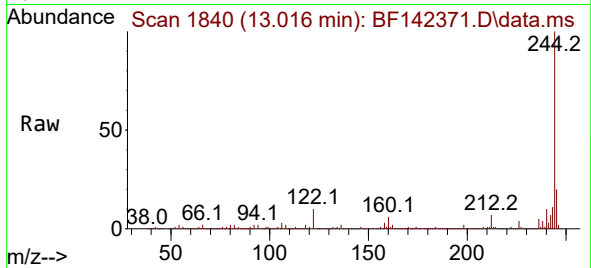




#79
 Terphenyl-d14
 Concen: 65.867 ng
 RT: 13.016 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF142371.D
 Acq: 14 May 2025 17:44

Instrument :
 BNA_F
 ClientSampleId :
 WC-A4-03-C

Tgt Ion:244 Resp: 2521198
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.2 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: BF142371.D
 Acq: 14 May 2025 17:44

Tgt Ion:264 Resp: 464654
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 27.8
 265 22.0 17.5 26.3

