

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052324\
 Data File : BF138036.D
 Acq On : 23 May 2024 19:31
 Operator : CG\JU
 Sample : P2558-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: May 24 01:26:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

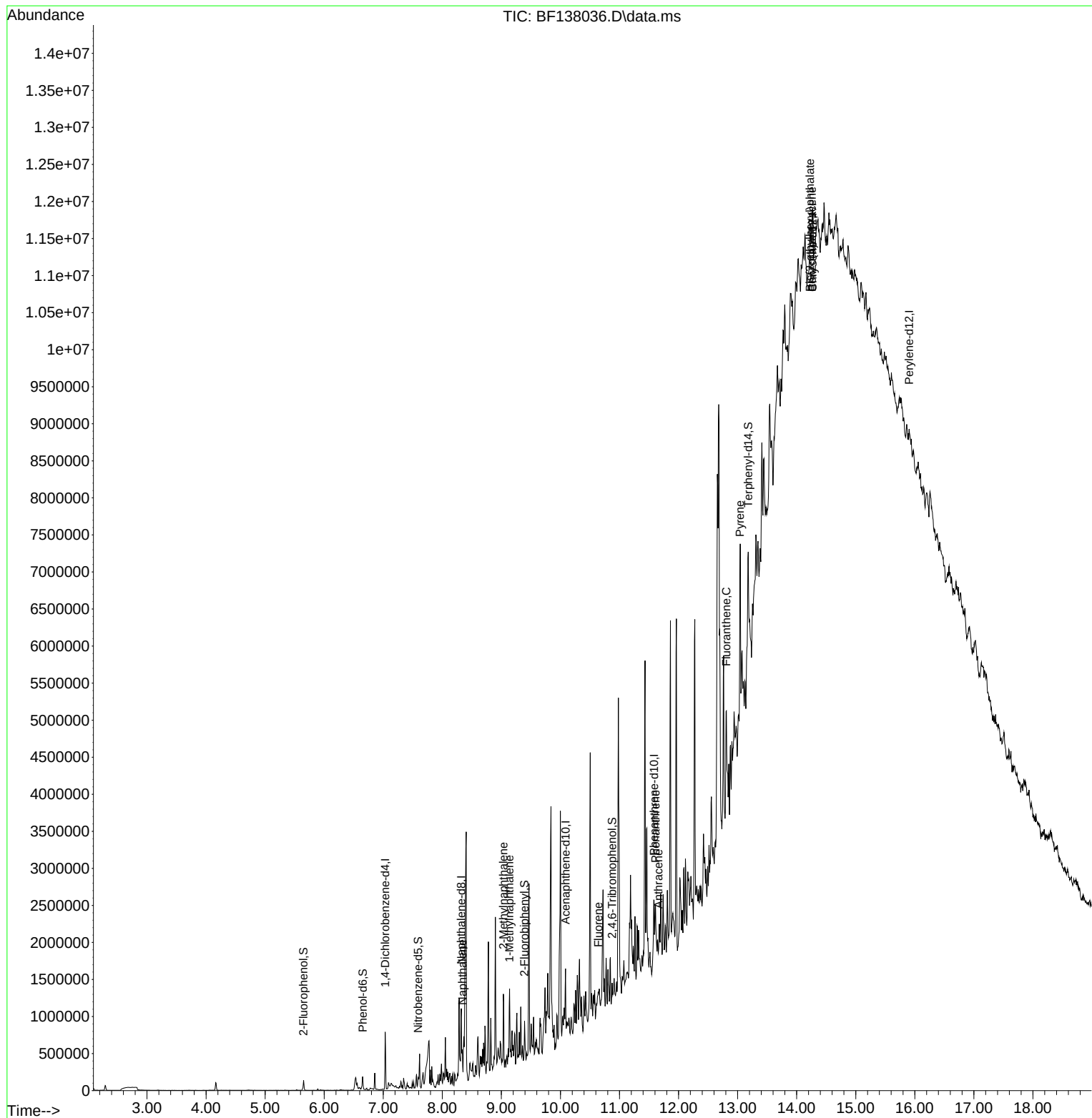
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	107049	20.000	ng	-0.01
21) Naphthalene-d8	8.322	136	357770	20.000	ng	0.00
39) Acenaphthene-d10	10.086	164	175918	20.000	ng	0.00
64) Phenanthrene-d10	11.586	188	288228	20.000	ng	0.00
76) Chrysene-d12	14.268	240	122822	20.000	ng	# 0.04
86) Perylene-d12	15.904	264	145466	20.000	ng	# 0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	36320	5.763	ng	-0.01
7) Phenol-d6	6.651	99	71456	9.205	ng	0.00
23) Nitrobenzene-d5	7.592	82	32698	5.379	ng	-0.02
42) 2,4,6-Tribromophenol	10.875	330	29352	16.548	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	122624	10.737	ng	0.00
79) Terphenyl-d14	13.180	244	132653	15.918	ng	0.02
Target Compounds						
						Qvalue
31) Naphthalene	8.339	128	96763	5.379	ng	# 96
37) 2-Methylnaphthalene	9.034	142	281274	24.325	ng	99
38) 1-Methylnaphthalene	9.134	142	164201	14.444	ng	99
58) Fluorene	10.639	166	29925	2.777	ng	# 33
71) Phenanthrene	11.610	178	102265m	7.200	ng	
72) Anthracene	11.657	178	42995	3.051	ng	# 81
75) Fluoranthene	12.810	202	41683	2.891	ng	75
78) Pyrene	13.039	202	101059	9.407	ng	# 94
81) Benzo(a)anthracene	14.257	228	17713	2.280	ng	# 29
84) Bis(2-ethylhexyl)phtha...	14.227	149	37998	9.329	ng	# 27

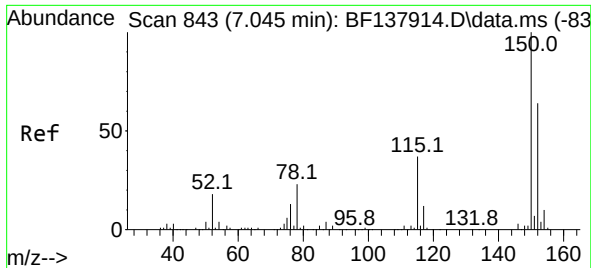
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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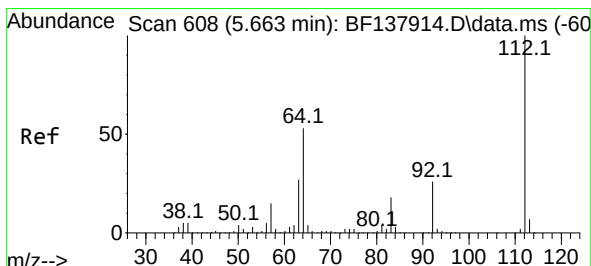
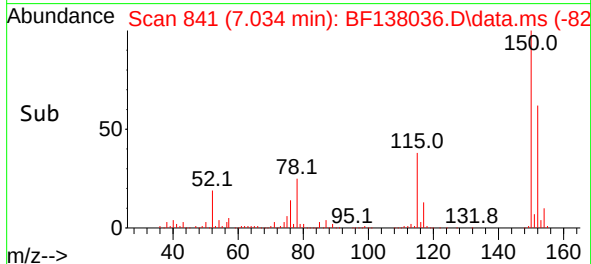
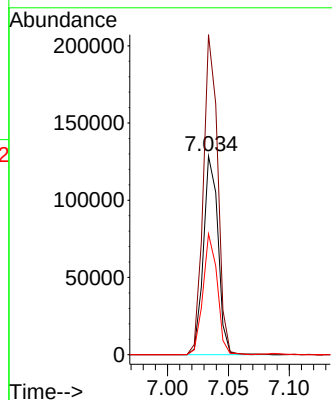
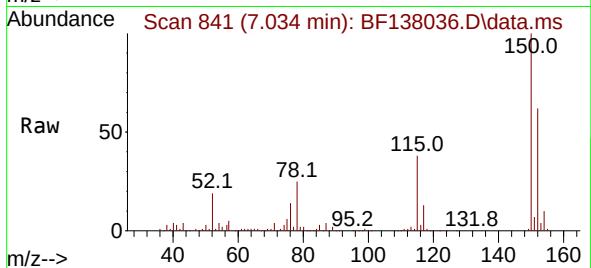




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.011 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

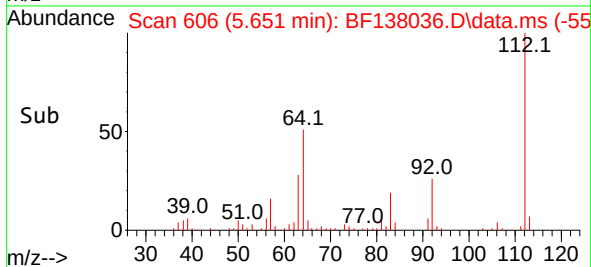
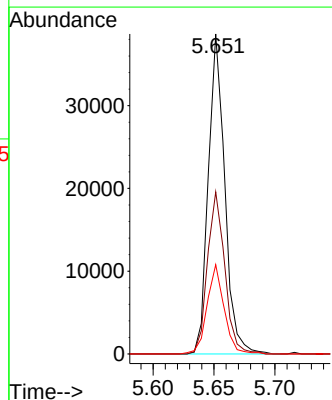
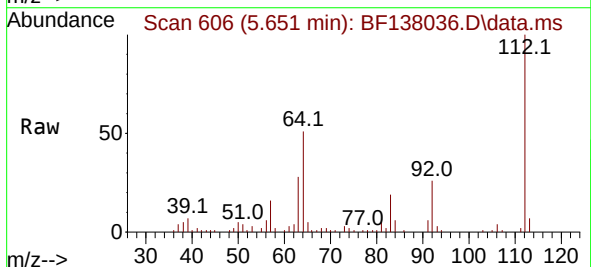
Instrument :
BNA_F
ClientSampleId :
COMP-1

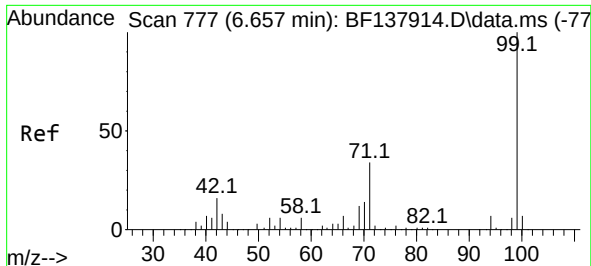
Tgt Ion:152 Resp: 107049
Ion Ratio Lower Upper
152 100
150 161.2 125.7 188.5
115 60.9 47.0 70.6



#5
2-Fluorophenol
Concen: 5.763 ng
RT: 5.651 min Scan# 606
Delta R.T. -0.012 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

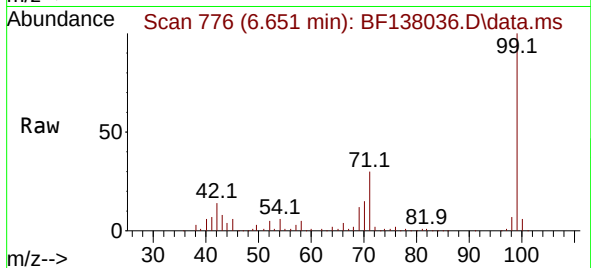
Tgt Ion:112 Resp: 36320
Ion Ratio Lower Upper
112 100
64 50.7 42.4 63.6
63 27.9 21.4 32.2



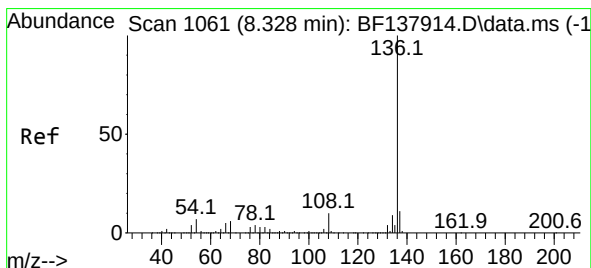
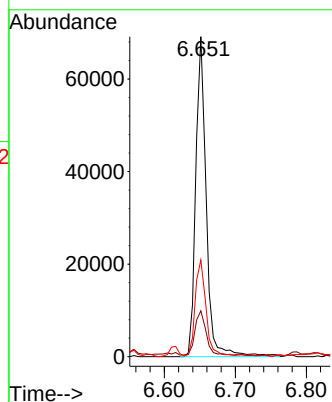
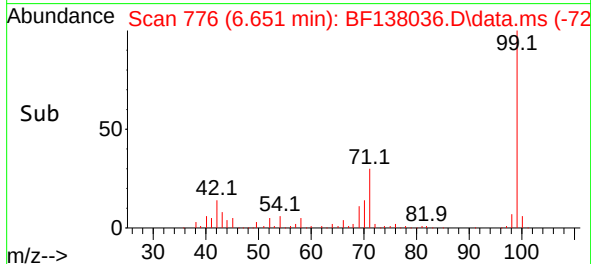


#7
Phenol-d6
Concen: 9.205 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

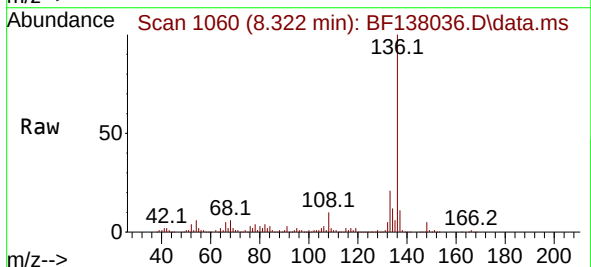
Instrument :
BNA_F
ClientSampleId :
COMP-1



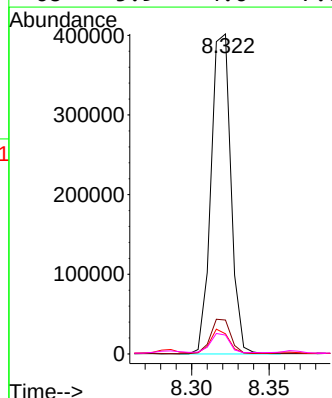
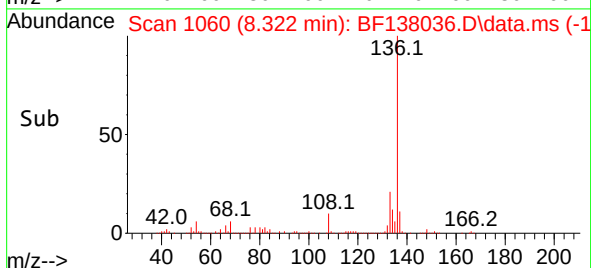
Tgt Ion: 99 Resp: 71456
Ion Ratio Lower Upper
99 100
42 14.4 12.6 18.8
71 30.2 27.1 40.7

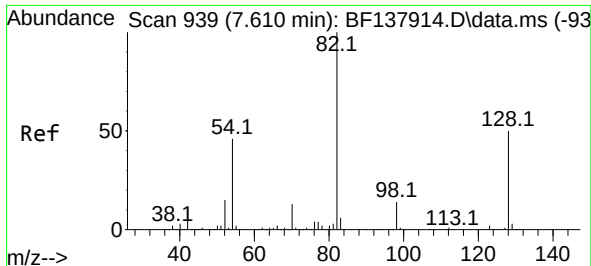


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31



Tgt Ion: 136 Resp: 357770
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 6.3 5.4 8.2
68 5.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 5.379 ng

RT: 7.592 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

Instrument :

BNA_F

ClientSampleId :

COMP-1

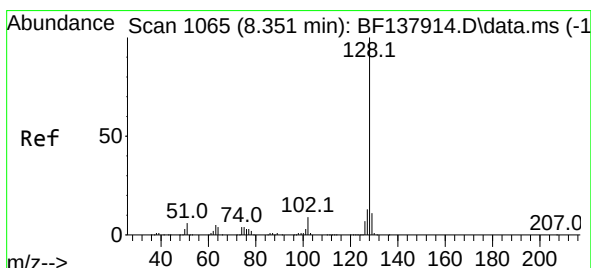
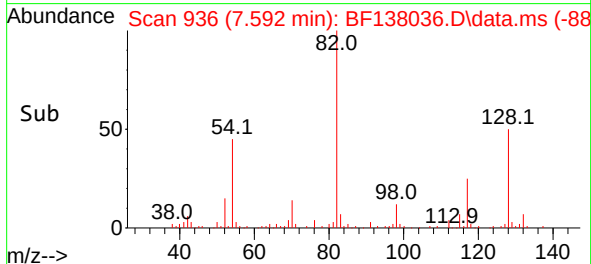
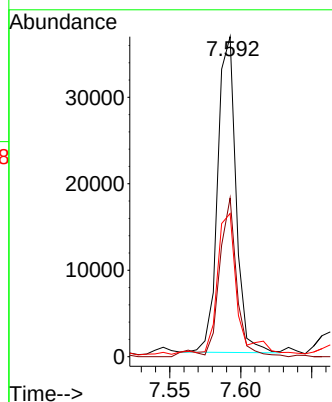
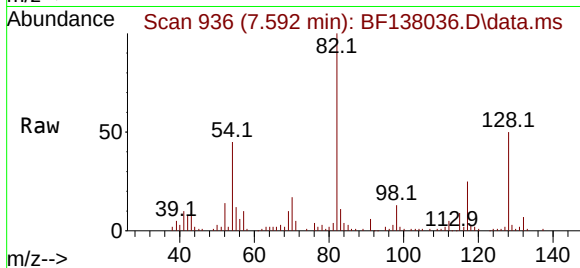
Tgt Ion: 82 Resp: 32698

Ion Ratio Lower Upper

82 100

128 49.6 40.3 60.5

54 44.7 36.8 55.2



#31

Naphthalene

Concen: 5.379 ng

RT: 8.339 min Scan# 1063

Delta R.T. -0.012 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

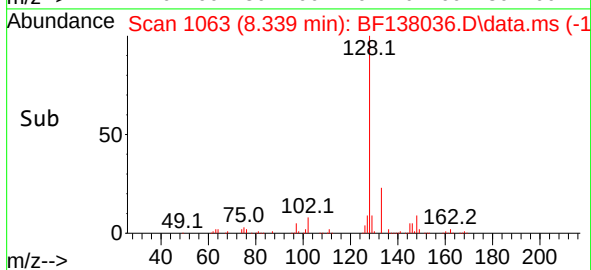
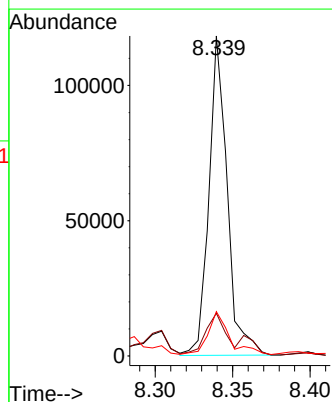
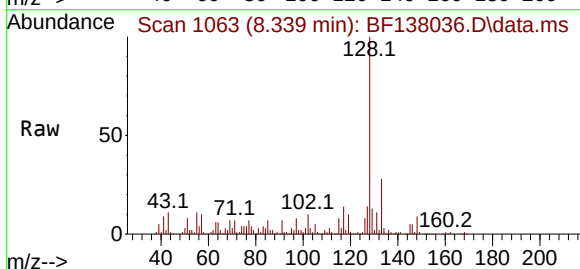
Tgt Ion:128 Resp: 96763

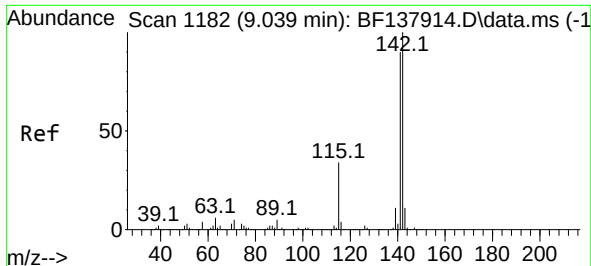
Ion Ratio Lower Upper

128 100

129 13.4 8.7 13.1#

127 13.8 10.6 16.0





#37

2-Methylnaphthalene

Concen: 24.325 ng

RT: 9.034 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

Instrument :

BNA_F

ClientSampleId :

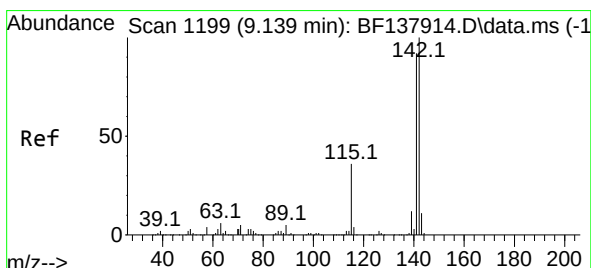
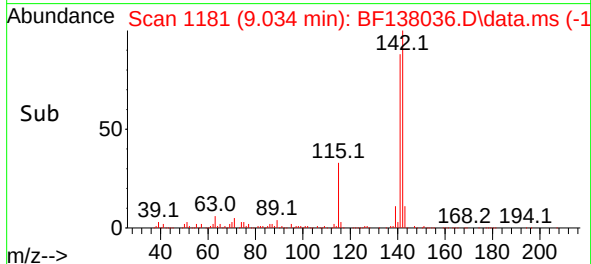
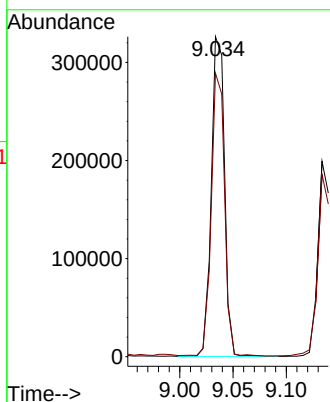
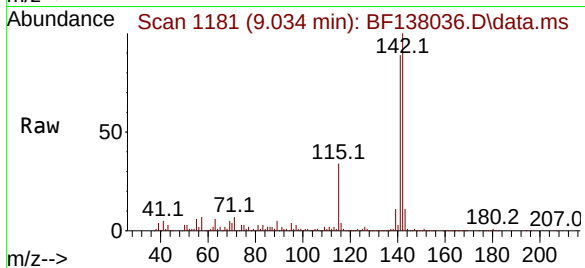
COMP-1

Tgt Ion:142 Resp: 281274

Ion Ratio Lower Upper

142 100

141 88.6 72.0 108.0



#38

1-Methylnaphthalene

Concen: 14.444 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF138036.D

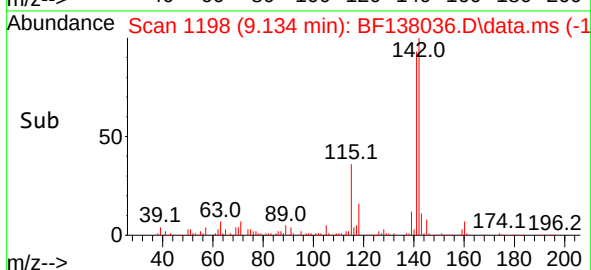
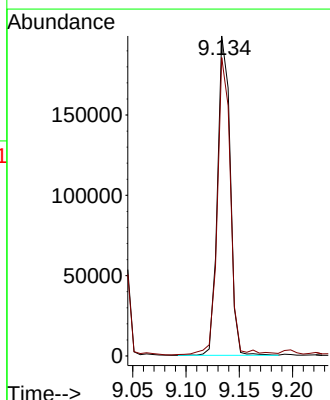
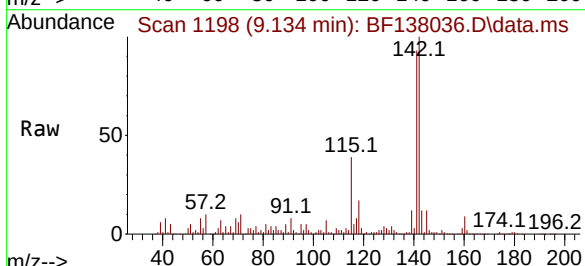
Acq: 23 May 2024 19:31

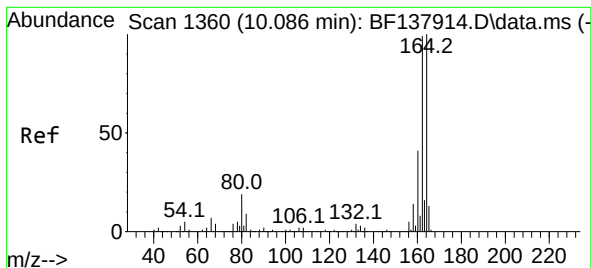
Tgt Ion:142 Resp: 164201

Ion Ratio Lower Upper

142 100

141 93.3 73.7 110.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.086 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

Instrument :

BNA_F

ClientSampleId :

COMP-1

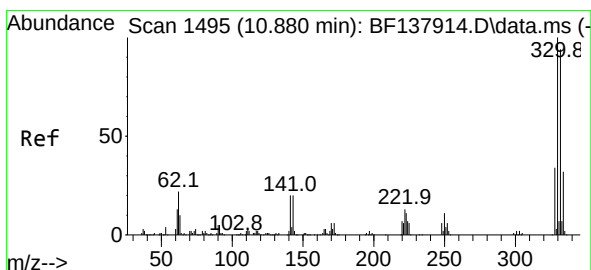
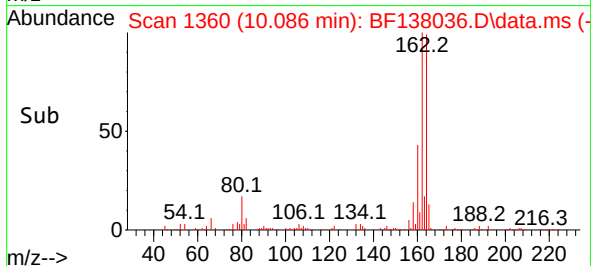
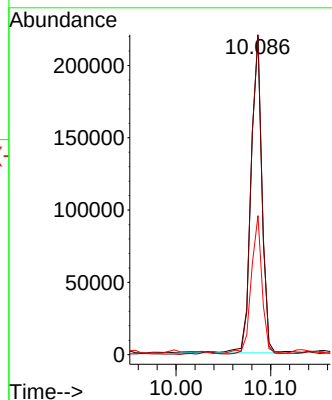
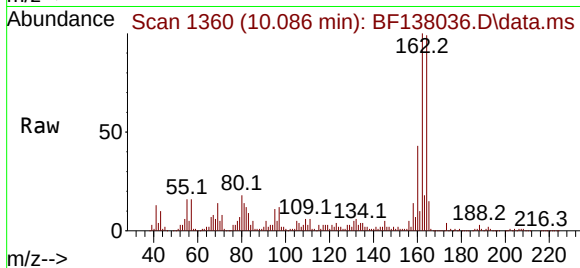
Tgt Ion:164 Resp: 175918

Ion Ratio Lower Upper

164 100

162 100.8 79.4 119.2

160 43.8 33.1 49.7



#42

2,4,6-Tribromophenol

Concen: 16.548 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

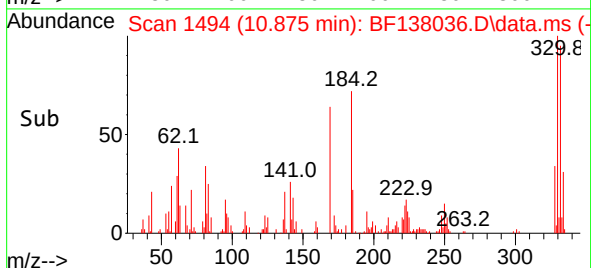
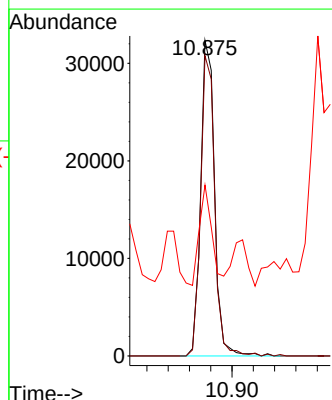
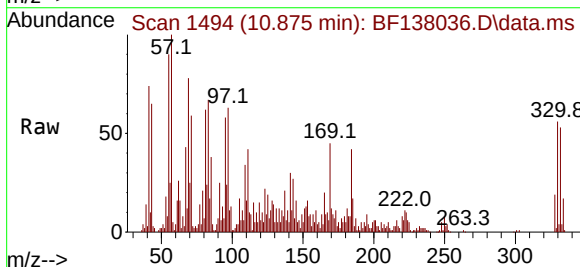
Tgt Ion:330 Resp: 29352

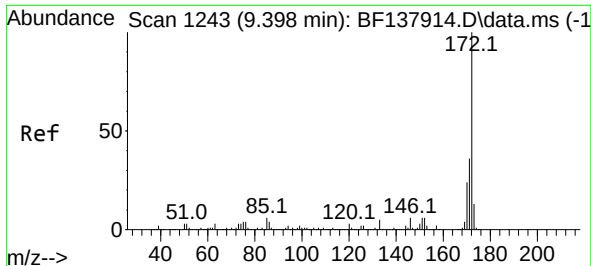
Ion Ratio Lower Upper

330 100

332 96.4 75.8 113.8

141 28.7 23.8 35.6

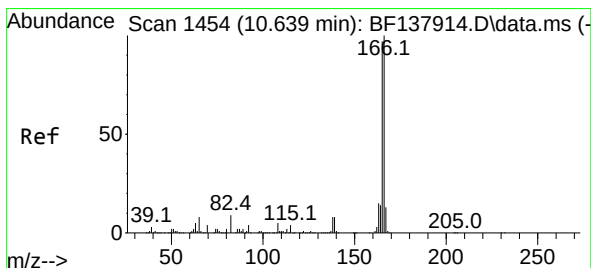
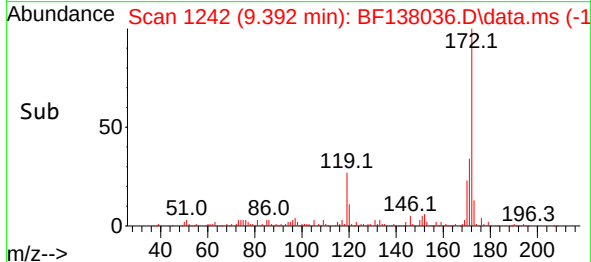
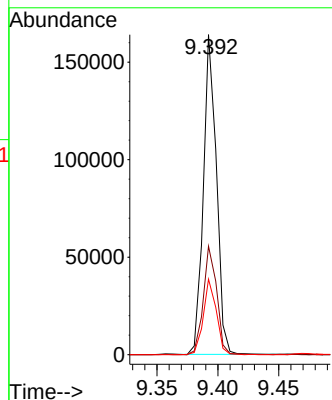
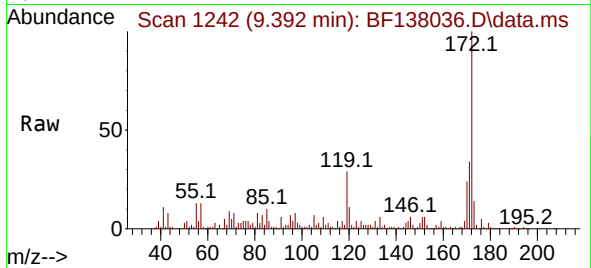




#45
2-Fluorobiphenyl
Concen: 10.737 ng
RT: 9.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

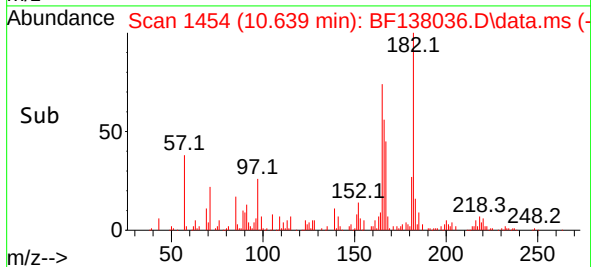
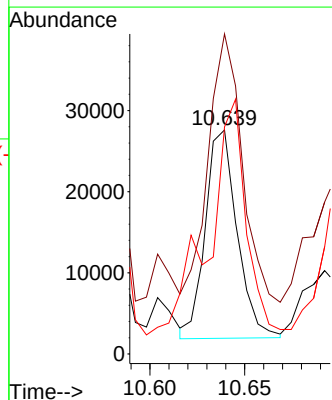
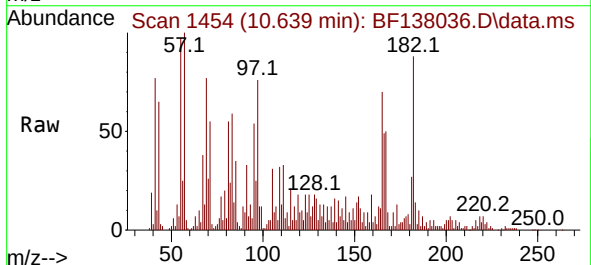
Instrument :
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COMP-1

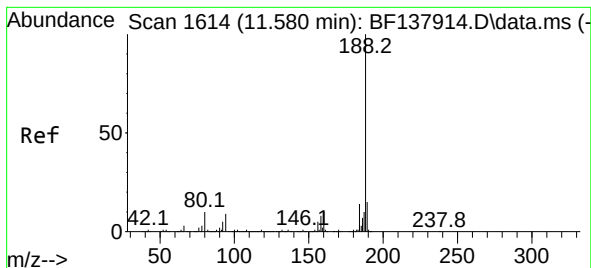
Tgt Ion:172 Resp: 122624
Ion Ratio Lower Upper
172 100
171 33.9 28.9 43.3
170 23.6 18.9 28.3



#58
Fluorene
Concen: 2.777 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Tgt Ion:166 Resp: 29925
Ion Ratio Lower Upper
166 100
165 142.9 77.8 116.8#
167 101.4 10.4 15.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.586 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

Instrument :

BNA_F

ClientSampleId :

COMP-1

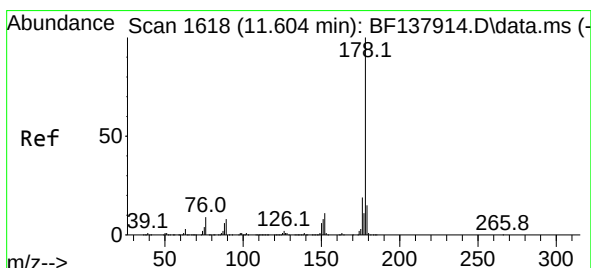
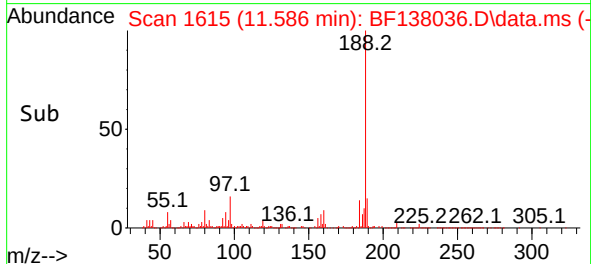
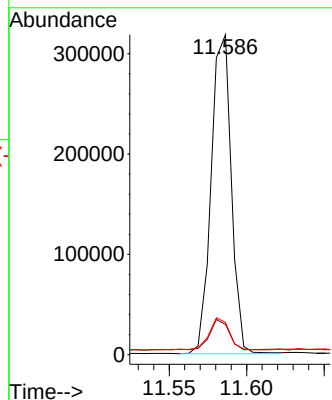
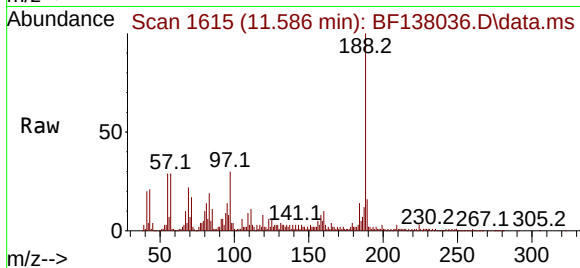
Tgt Ion:188 Resp: 288228

Ion Ratio Lower Upper

188 100

94 9.4 7.0 10.4

80 10.1 7.7 11.5



#71

Phenanthrene

Concen: 7.200 ng m

RT: 11.610 min Scan# 1619

Delta R.T. 0.006 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

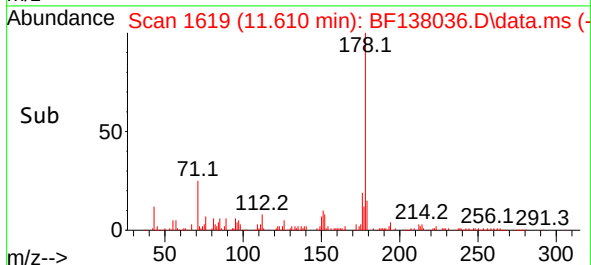
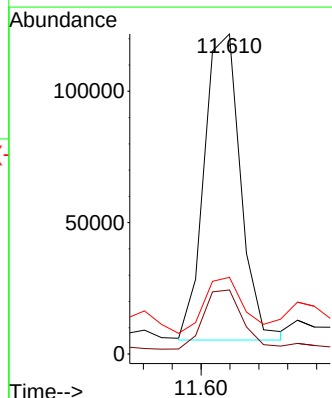
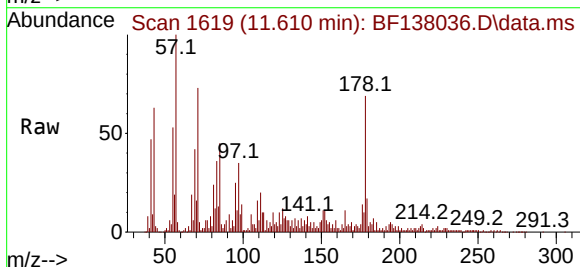
Tgt Ion:178 Resp: 102265

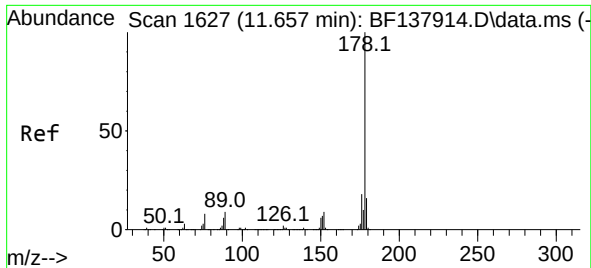
Ion Ratio Lower Upper

178 100

176 20.0 15.2 22.8

179 24.0 12.2 18.4#

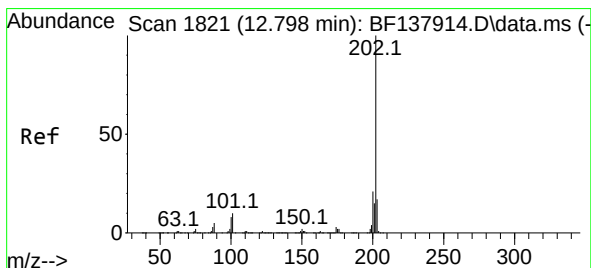
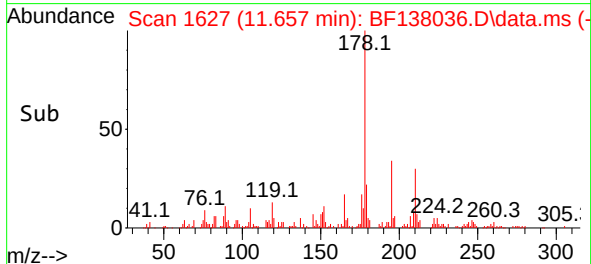
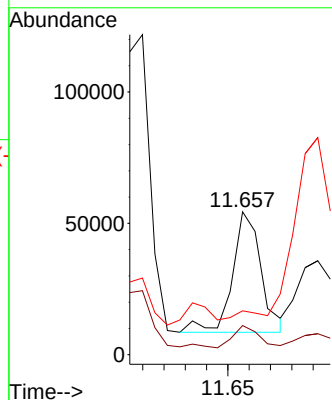
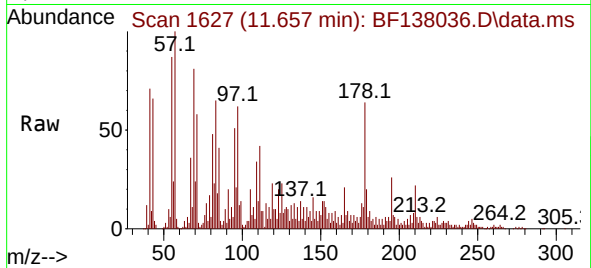




#72
Anthracene
Concen: 3.051 ng
RT: 11.657 min Scan# 1627
Delta R.T. 0.000 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

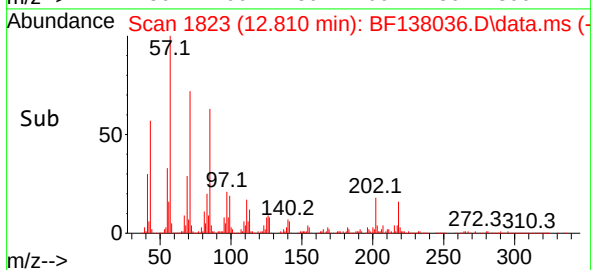
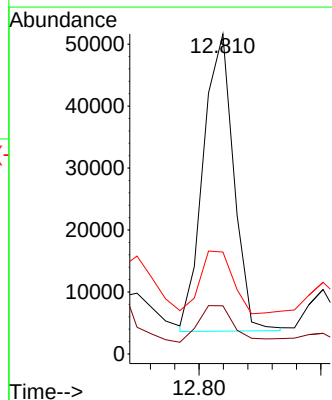
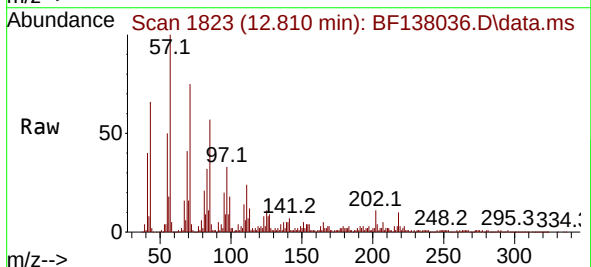
Instrument :
BNA_F
ClientSampleId :
COMP-1

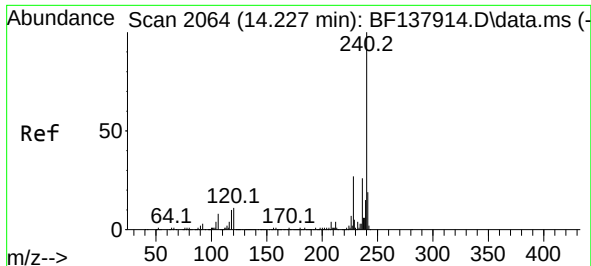
Tgt Ion:178 Resp: 42995
Ion Ratio Lower Upper
178 100
176 20.4 14.7 22.1
179 30.7 12.4 18.6#



#75
Fluoranthene
Concen: 2.891 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.012 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Tgt Ion:202 Resp: 41683
Ion Ratio Lower Upper
202 100
101 15.1 0.0 30.5
203 31.9 0.0 37.3

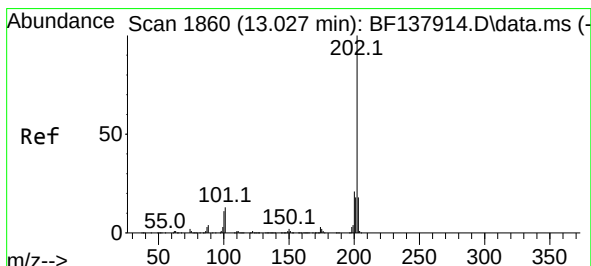
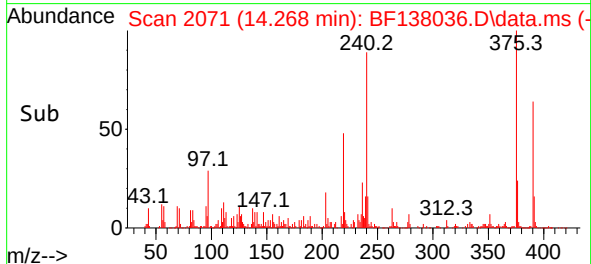
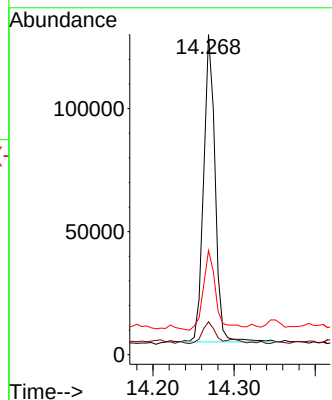
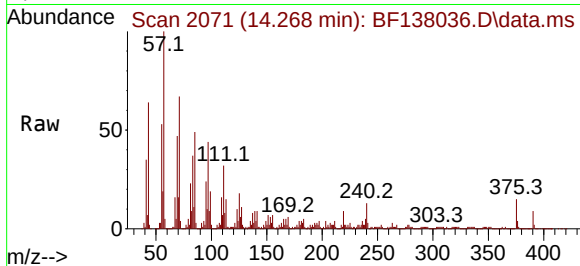




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.268 min Scan# 2064
Delta R.T. 0.041 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

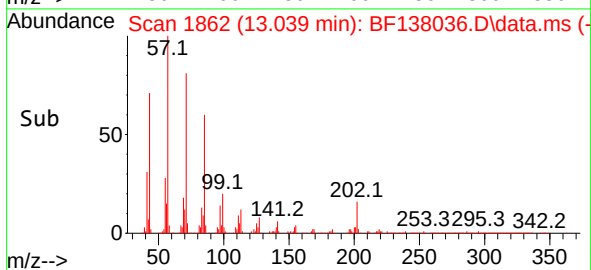
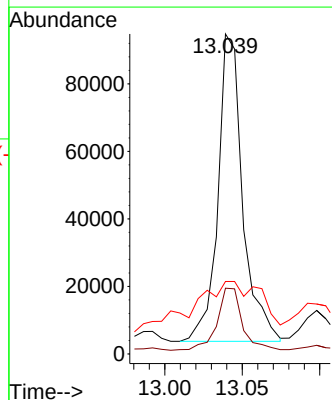
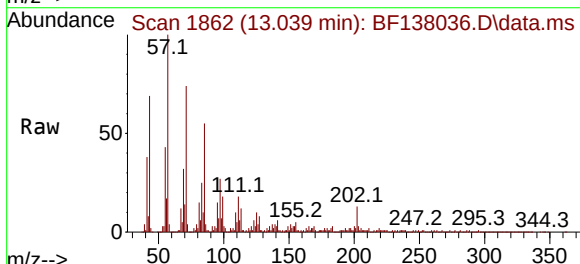
Instrument :
BNA_F
ClientSampleId :
COMP-1

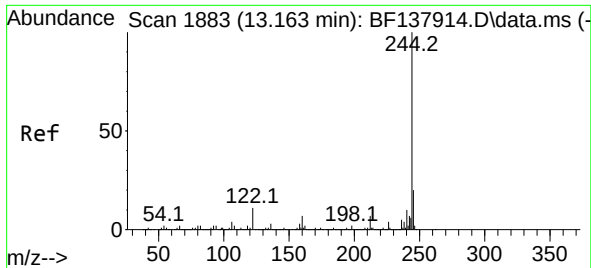
Tgt Ion:240 Resp: 122822
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 32.6 21.0 31.4#



#78
Pyrene
Concen: 9.407 ng
RT: 13.039 min Scan# 1862
Delta R.T. 0.012 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Tgt Ion:202 Resp: 101059
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.4
203 22.7 14.1 21.1#

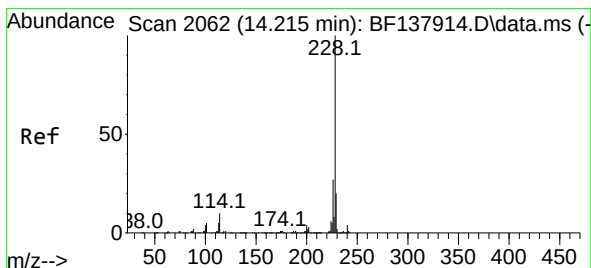
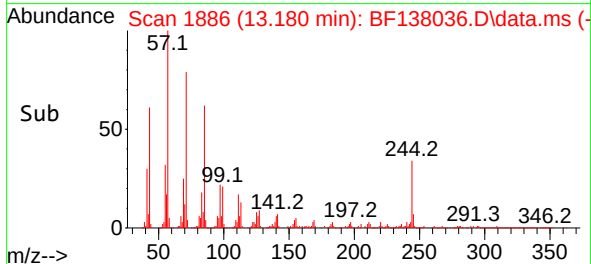
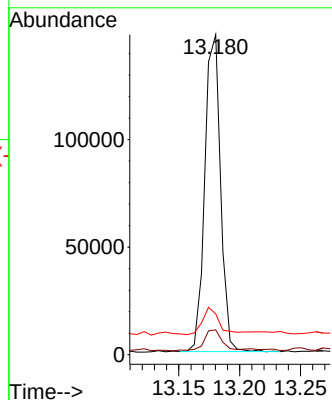
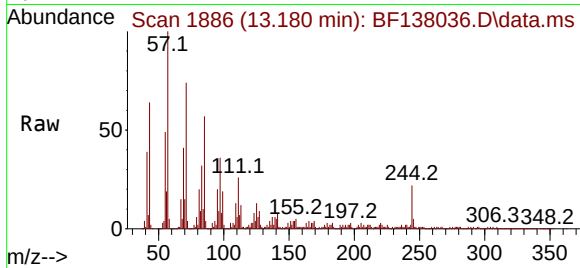




#79
 Terphenyl-d14
 Concen: 15.918 ng
 RT: 13.180 min Scan# 1886
 Delta R.T. 0.018 min
 Lab File: BF138036.D
 Acq: 23 May 2024 19:31

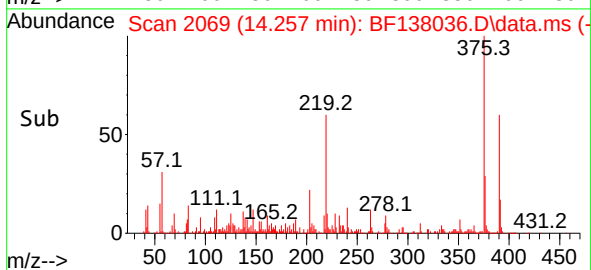
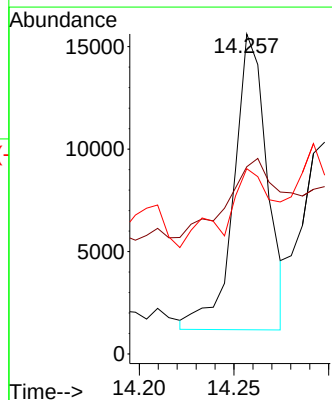
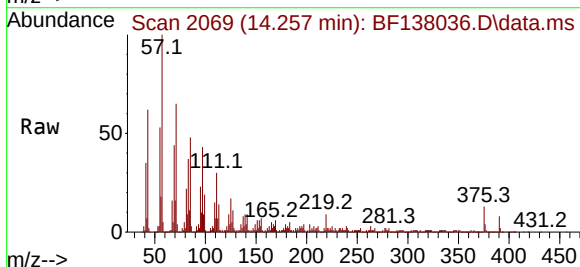
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

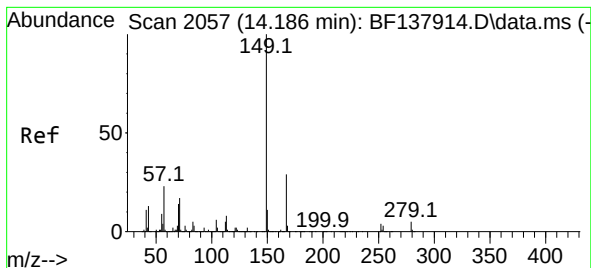
Tgt Ion:244 Resp: 132653
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.6 8.4
 122 12.8 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 2.280 ng
 RT: 14.257 min Scan# 2069
 Delta R.T. 0.041 min
 Lab File: BF138036.D
 Acq: 23 May 2024 19:31

Tgt Ion:228 Resp: 17713
 Ion Ratio Lower Upper
 228 100
 226 58.5 21.3 31.9#
 229 57.9 15.7 23.5#





#84

Bis(2-ethylhexyl)phthalate

Concen: 9.329 ng

RT: 14.227 min Scan# 2057

Delta R.T. 0.041 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

Instrument :

BNA_F

ClientSampleId :

COMP-1

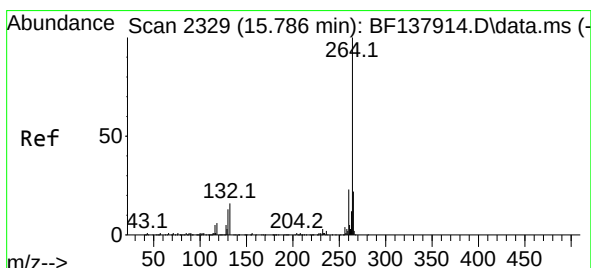
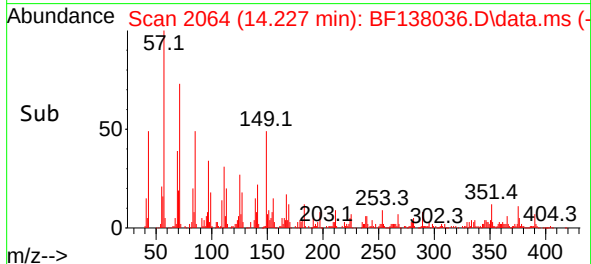
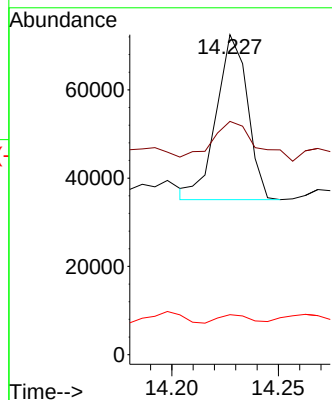
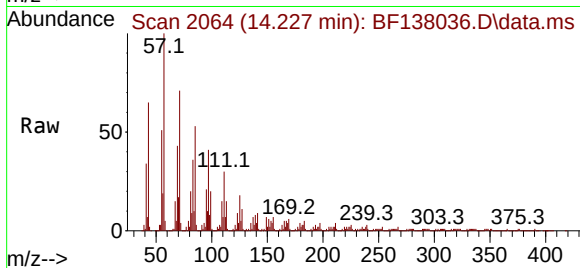
Tgt Ion:149 Resp: 37998

Ion Ratio Lower Upper

149 100

167 72.9 23.2 34.8#

279 12.5 4.1 6.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.904 min Scan# 2349

Delta R.T. 0.118 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

Tgt Ion:264 Resp: 145466

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 28.7 17.6 26.4#

