

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060721\
 Data File : BF124168.D
 Acq On : 7 Jun 2021 21:28
 Operator : JU/CG
 Sample : M2589-18 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(0-2)

Quant Time: Jun 08 01:30:53 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

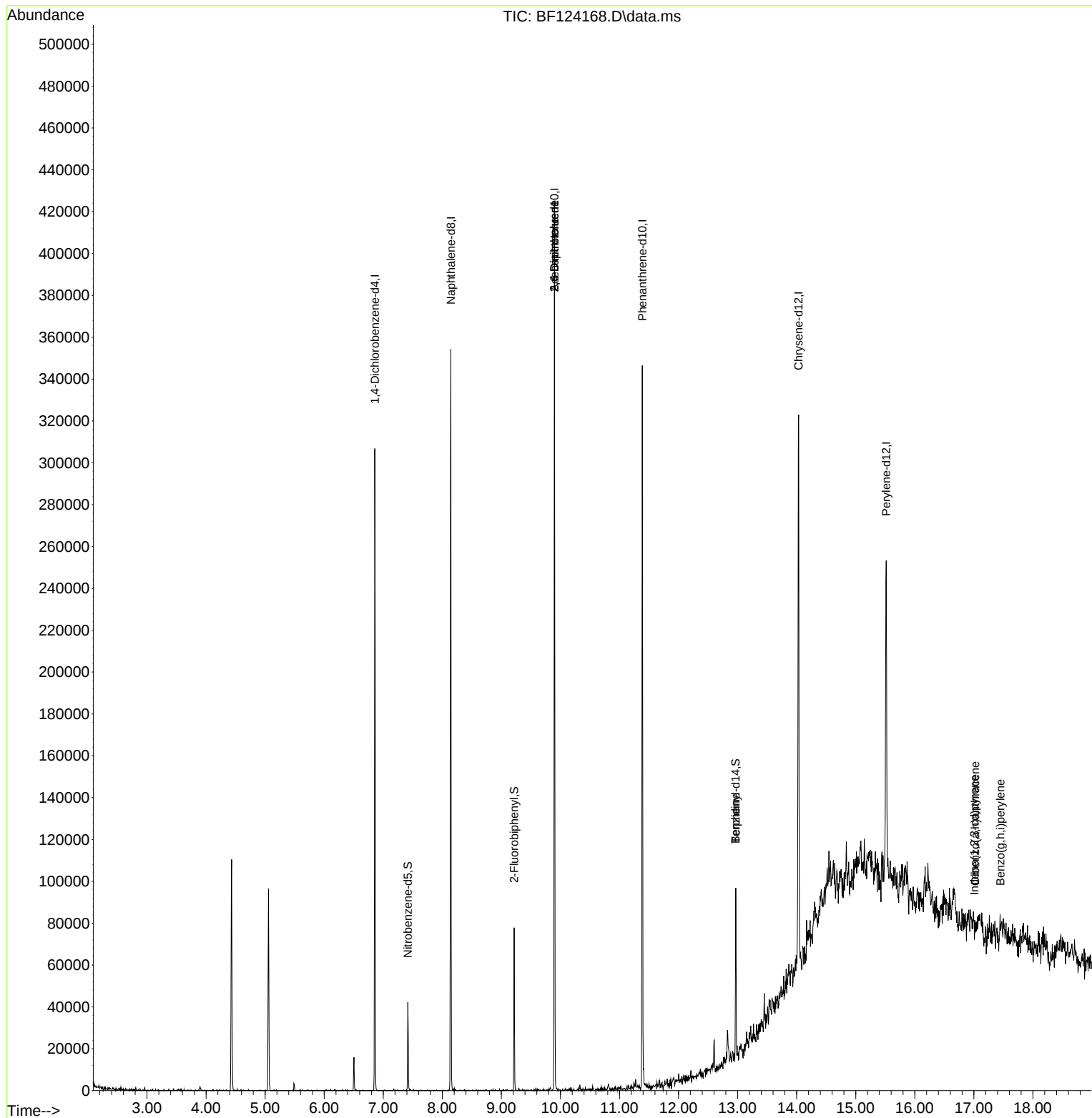
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	39181	20.00	ng	-0.01
21) Naphthalene-d8	8.145	136	128596	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	72796	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	110001	20.00	ng	0.00
76) Chrysene-d12	14.033	240	87710	20.00	ng	0.00
86) Perylene-d12	15.515	264	61787	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	778	0.30	ng	0.00
7) Phenol-d6	6.504	99	4194	1.20	ng	0.00
23) Nitrobenzene-d5	7.416	82	11371	3.51	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	131	0.13	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	19785	3.42	ng	-0.01
79) Terphenyl-d14	12.968	244	18210	2.85	ng	-0.01
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.898	165	9814	7.11	ng	# 10
57) 2,4-Dinitrotoluene	9.898	165	9814	5.39	ng	# 15
77) Benzidine	12.968	184	292	4.19	ng	# 68
87) Indeno(1,2,3-cd)pyrene	17.009	276	1642	4.63	ng	# 76
91) Dibenzo(a,h)anthracene	17.021	278	871	4.36	ng	# 18
92) Benzo(g,h,i)perylene	17.451	276	1537	4.13	ng	# 56

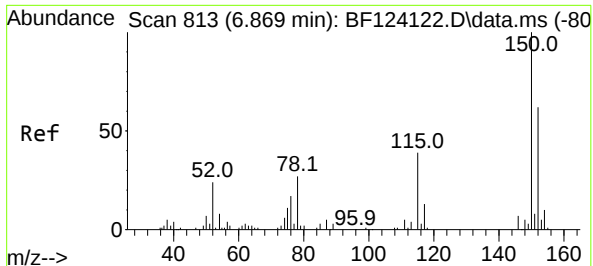
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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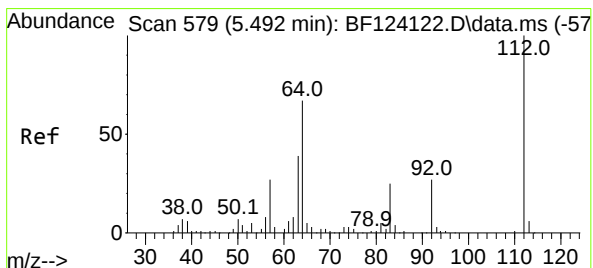
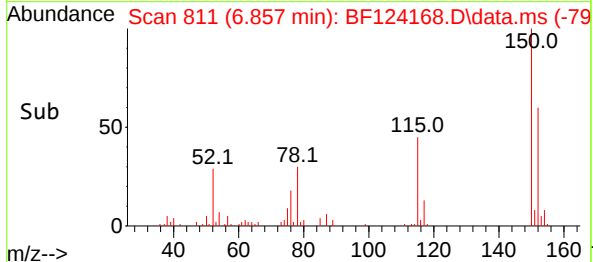
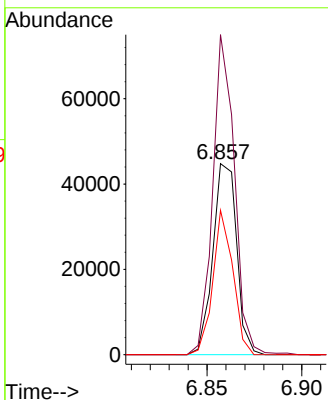
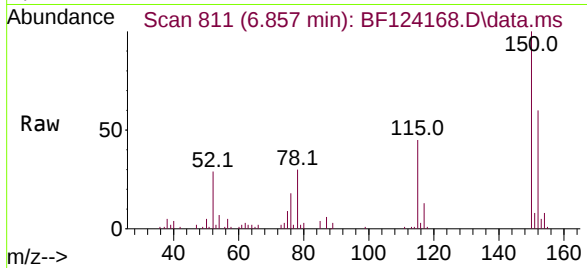




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

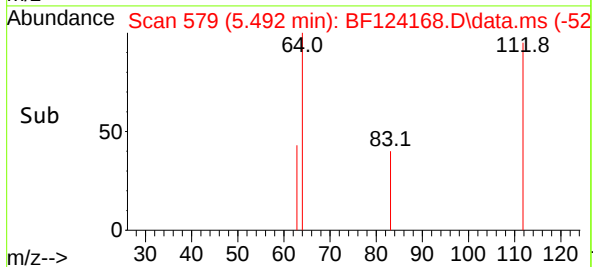
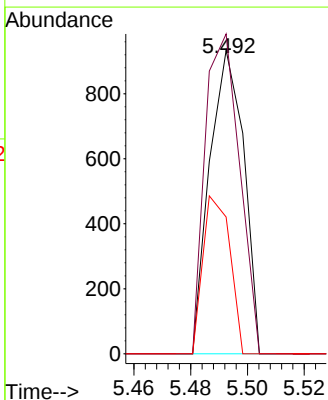
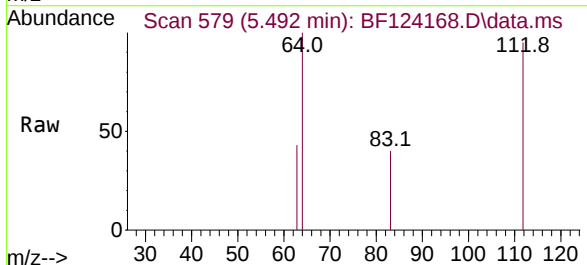
Instrument :
BNA_F
ClientSampled :
18-B12(0-2)

Tgt Ion:152 Resp: 39181
Ion Ratio Lower Upper
152 100
150 167.5 127.0 190.6
115 75.5 54.3 81.5



#5
2-Fluorophenol
Concen: 0.30 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

Tgt Ion:112 Resp: 778
Ion Ratio Lower Upper
112 100
64 105.4 61.4 92.0#
63 45.1 33.0 49.4

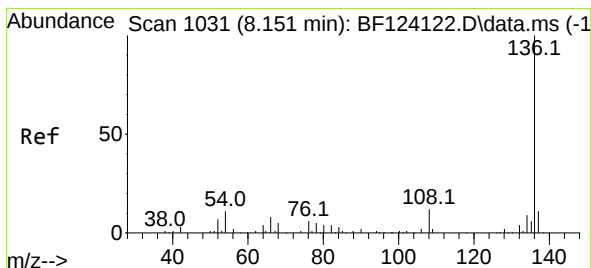
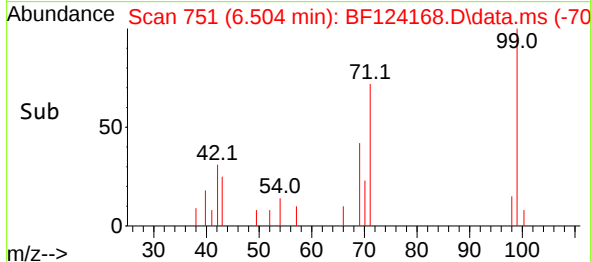
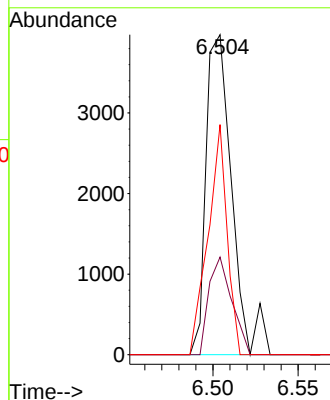
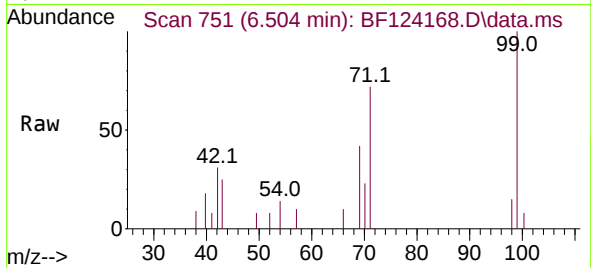




#7
Phenol-d6
Concen: 1.20 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

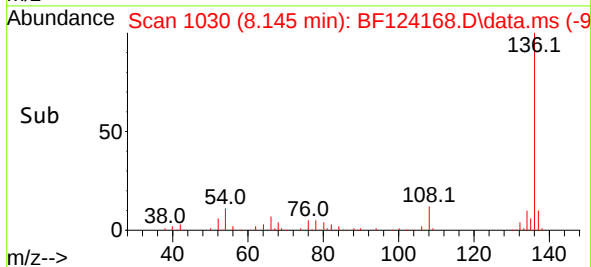
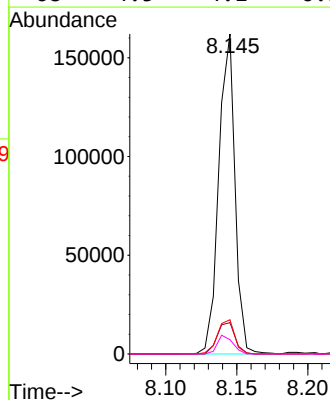
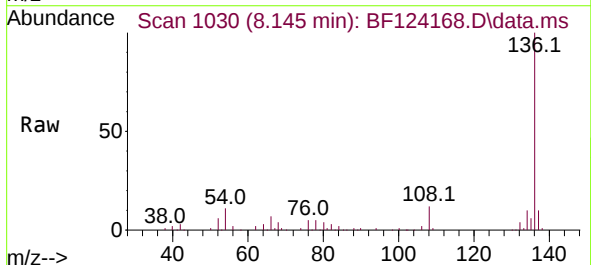
Instrument :
BNA_F
ClientSampleId :
18-B12(0-2)

Tgt Ion: 99 Resp: 4194
Ion Ratio Lower Upper
99 100
42 30.5 19.8 29.8#
71 71.9 31.1 46.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

Tgt Ion: 136 Resp: 128596
Ion Ratio Lower Upper
136 100
137 9.8 8.7 13.1
54 10.7 9.8 14.6
68 4.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 3.51 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.018 min

Lab File: BF124168.D

Acq: 7 Jun 2021 21:28

Instrument :

BNA_F

ClientSampleId :

18-B12(0-2)

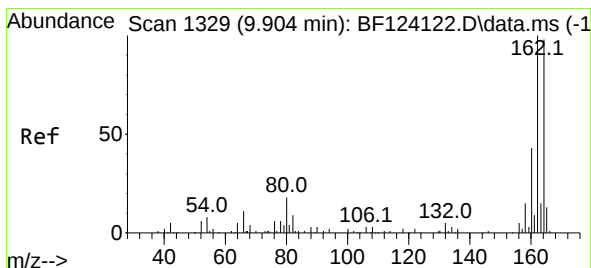
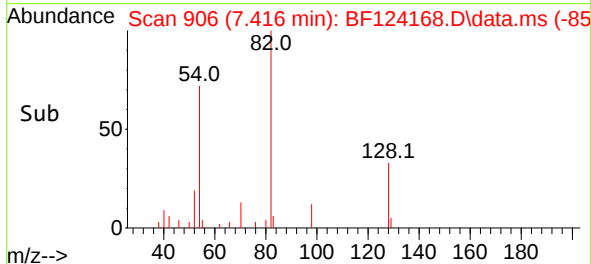
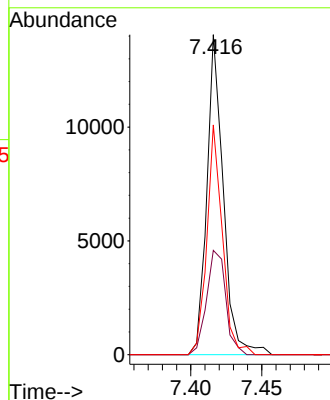
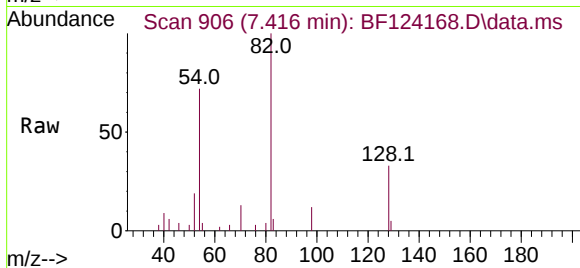
Tgt Ion: 82 Resp: 11371

Ion Ratio Lower Upper

82 100

128 32.6 29.4 44.2

54 71.8 54.1 81.1



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF124168.D

Acq: 7 Jun 2021 21:28

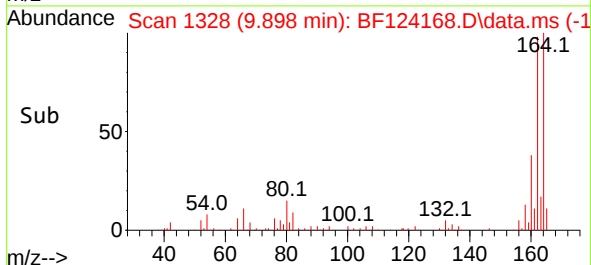
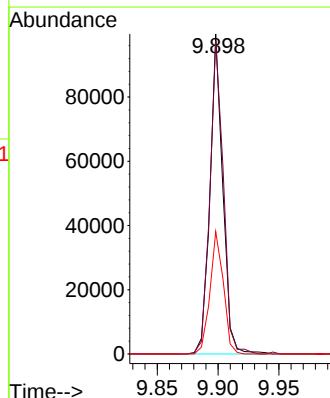
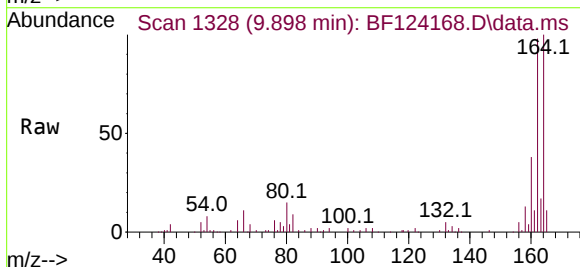
Tgt Ion: 164 Resp: 72796

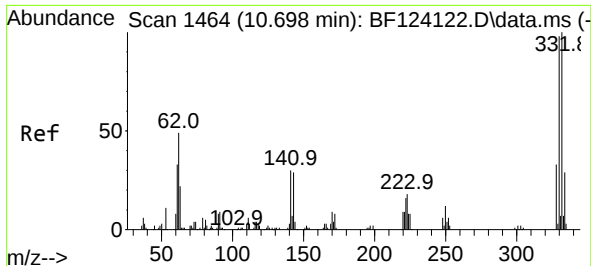
Ion Ratio Lower Upper

164 100

162 97.8 80.7 121.1

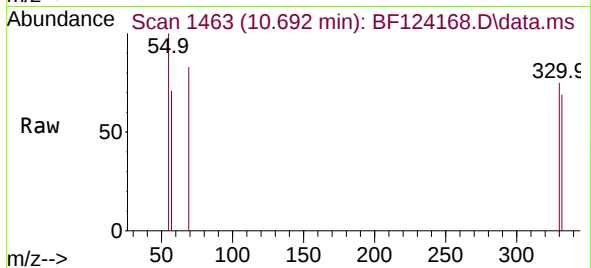
160 38.3 37.3 55.9



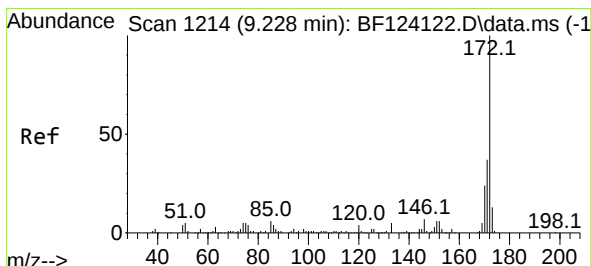
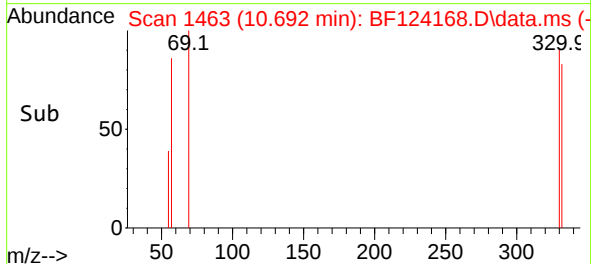
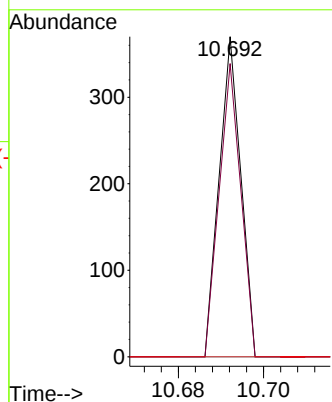


#42
2,4,6-Tribromophenol
Concen: 0.13 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

Instrument :
BNA_F
ClientSampleId :
18-B12(0-2)

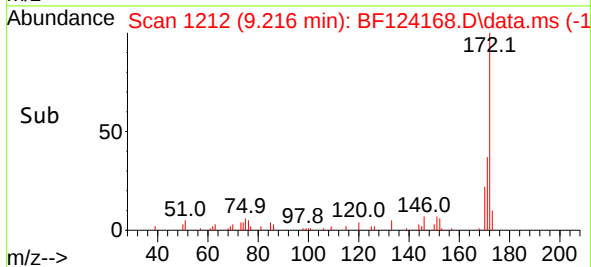
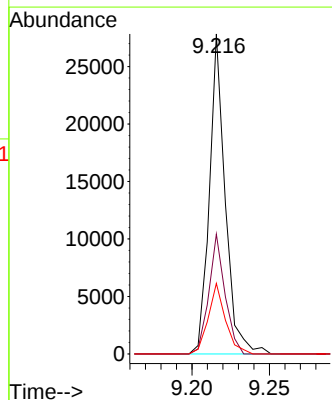
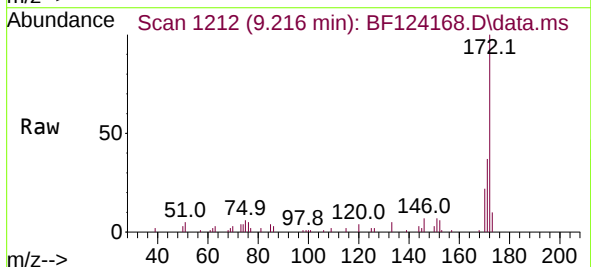


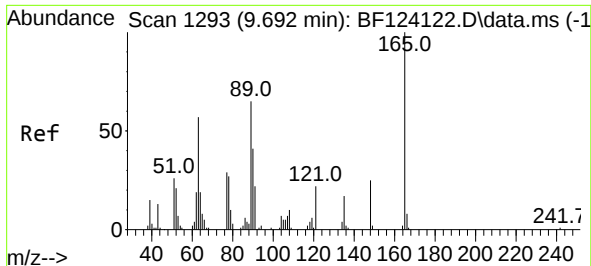
Tgt Ion: 330 Resp: 131
Ion Ratio Lower Upper
330 100
332 91.6 77.1 115.7
141 0.0 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 3.42 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

Tgt Ion: 172 Resp: 19785
Ion Ratio Lower Upper
172 100
171 37.5 28.1 42.1
170 22.1 19.2 28.8

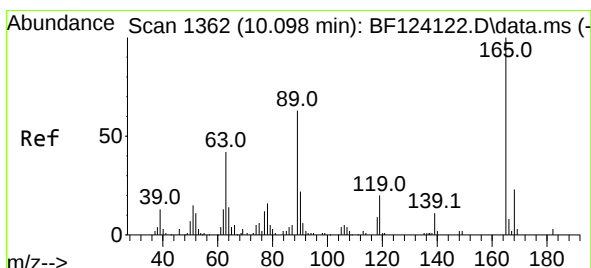
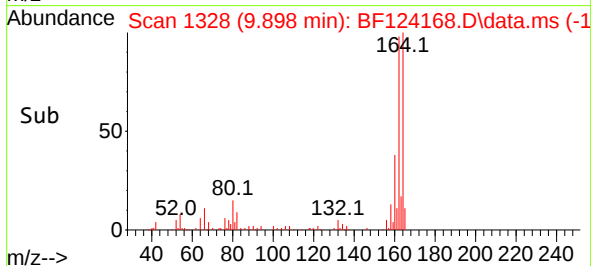
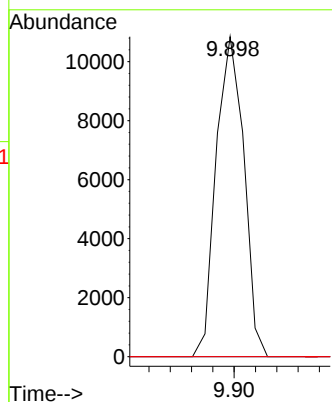
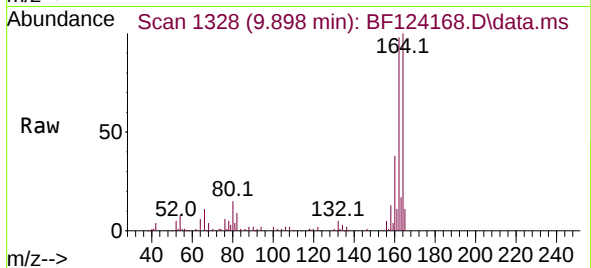




#51
2,6-Dinitrotoluene
Concen: 7.11 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

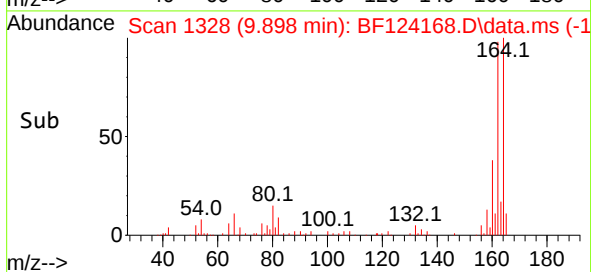
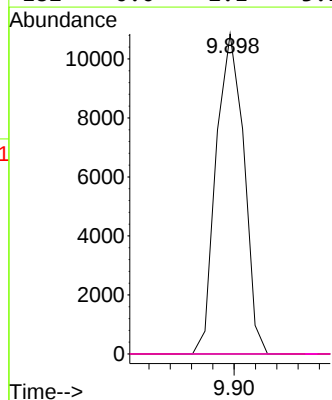
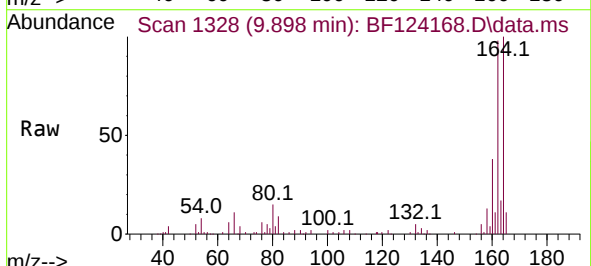
Instrument :
BNA_F
ClientSampleId :
18-B12(0-2)

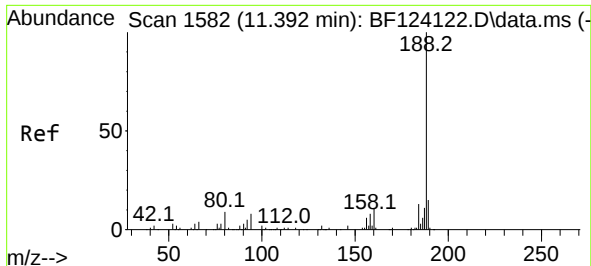
Tgt Ion:165 Resp: 9814
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.39 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

Tgt Ion:165 Resp: 9814
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

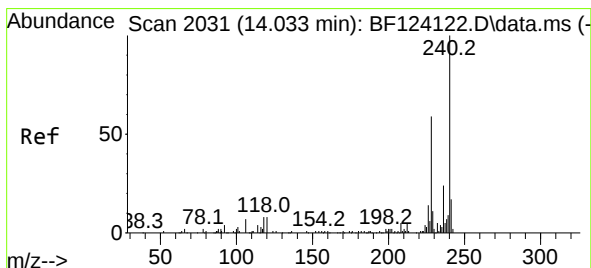
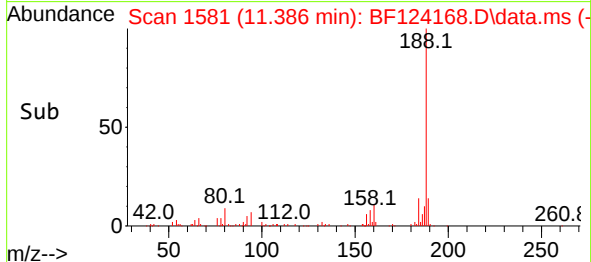
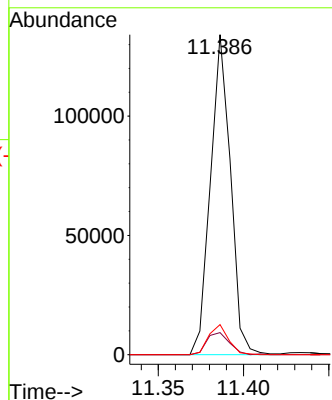
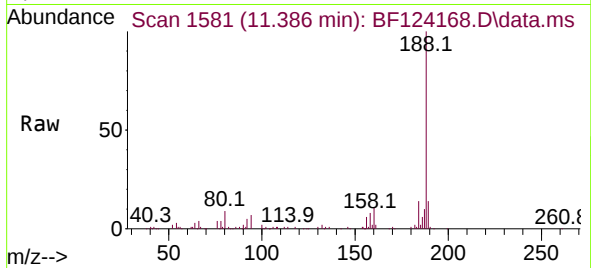




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

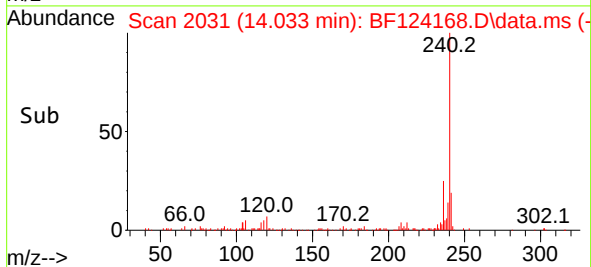
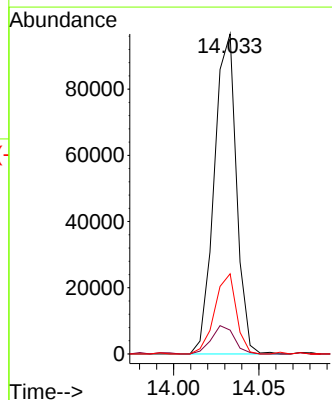
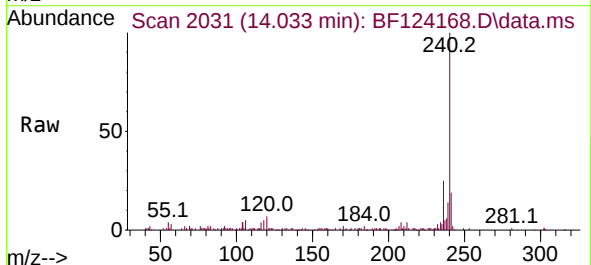
Instrument :
BNA_F
ClientSampleId :
18-B12(0-2)

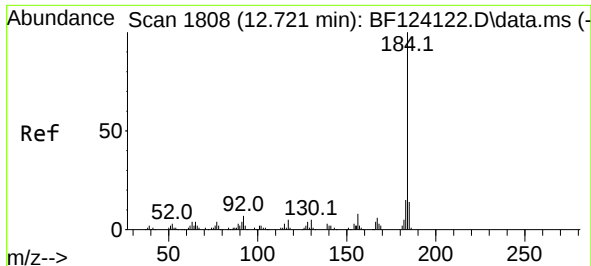
Tgt Ion:188 Resp: 110001
Ion Ratio Lower Upper
188 100
94 6.9 6.9 10.3
80 9.4 8.2 12.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

Tgt Ion:240 Resp: 87710
Ion Ratio Lower Upper
240 100
120 7.4 7.2 10.8
236 25.1 19.0 28.4

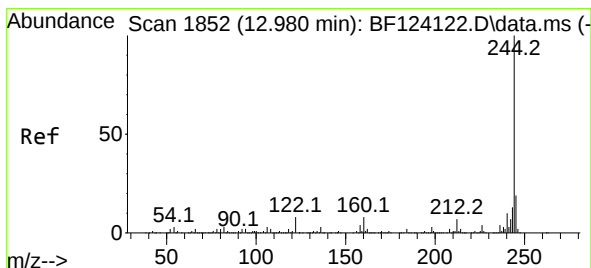
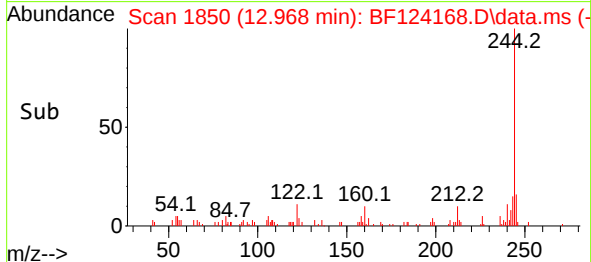
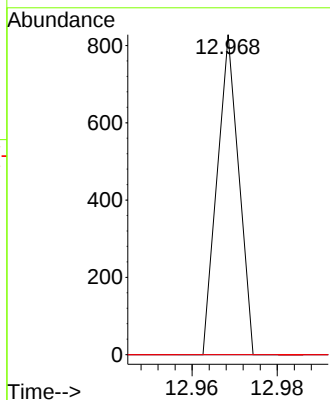
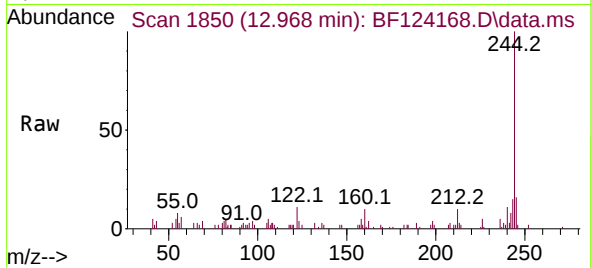




#77
Benzidine
Concen: 4.19 ng
RT: 12.968 min Scan# 1850
Delta R.T. 0.247 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

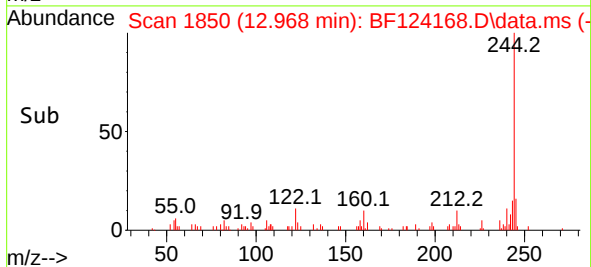
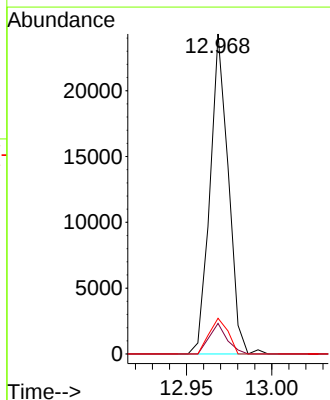
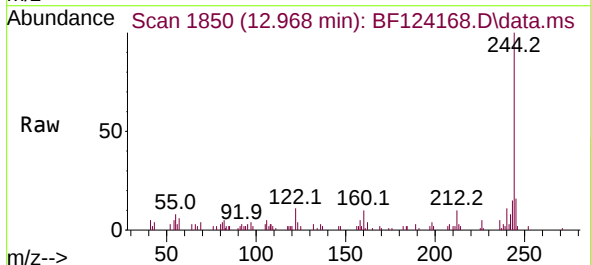
Instrument :
BNA_F
ClientSampleId :
18-B12(0-2)

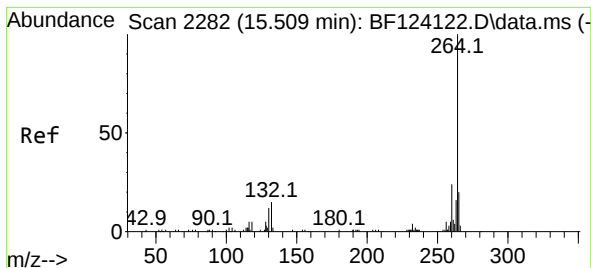
Tgt Ion:184 Resp: 292
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#



#79
Terphenyl-d14
Concen: 2.85 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

Tgt Ion:244 Resp: 18210
Ion Ratio Lower Upper
244 100
212 9.5 5.7 8.5#
122 11.2 9.7 14.5





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.515 min Scan# 2283

Delta R.T. 0.006 min

Lab File: BF124168.D

Acq: 7 Jun 2021 21:28

Tgt Ion:264 Resp: 61787

Ion Ratio Lower Upper

264 100

260 22.1 18.7 28.1

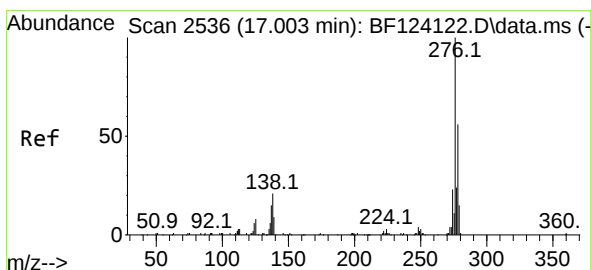
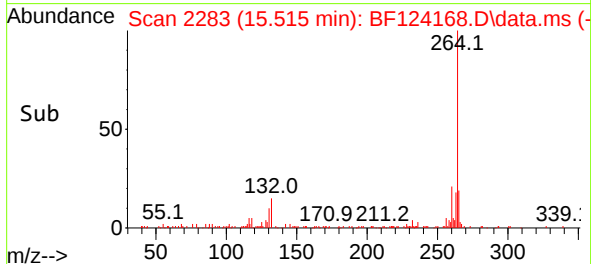
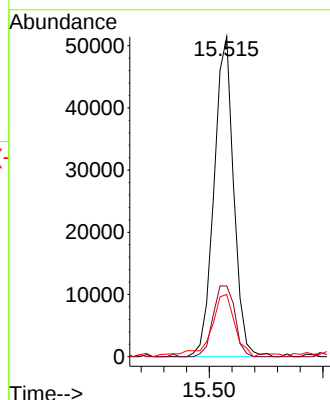
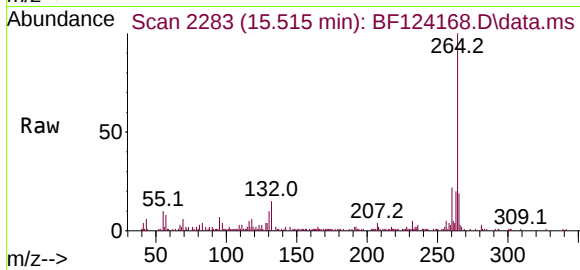
265 19.4 17.8 26.8

Instrument :

BNA_F

ClientSampleId :

18-B12(0-2)



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.63 ng

RT: 17.009 min Scan# 2537

Delta R.T. 0.006 min

Lab File: BF124168.D

Acq: 7 Jun 2021 21:28

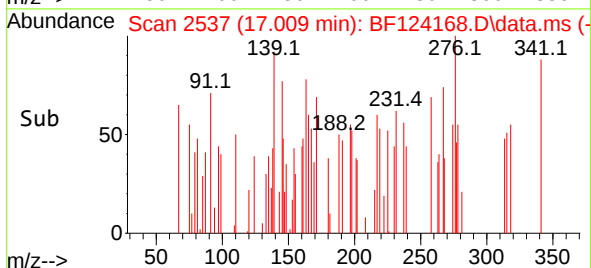
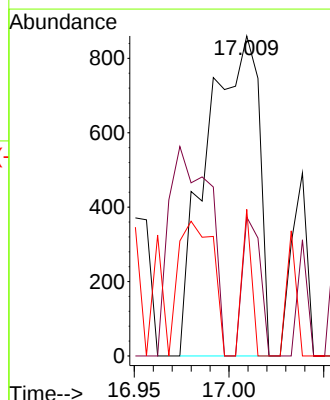
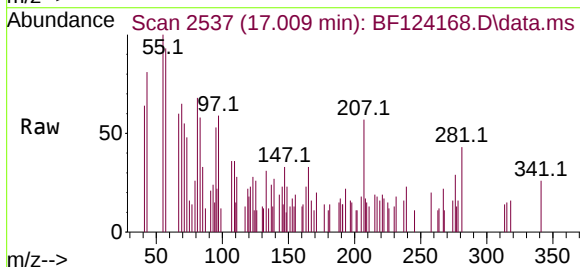
Tgt Ion:276 Resp: 1642

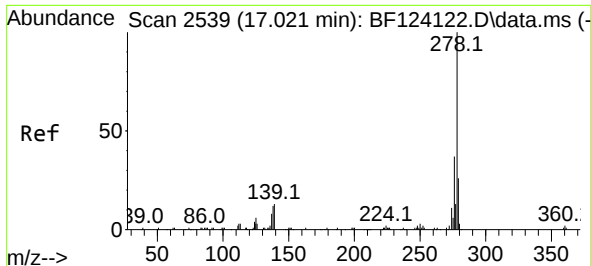
Ion Ratio Lower Upper

276 100

138 14.9 16.2 24.2#

277 8.5 20.1 30.1#

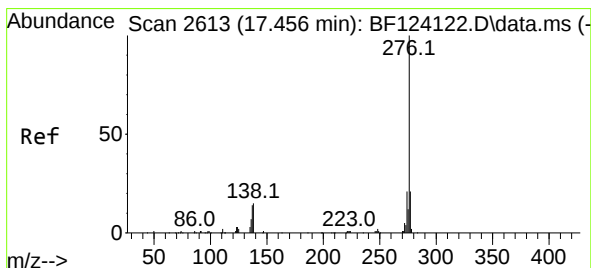
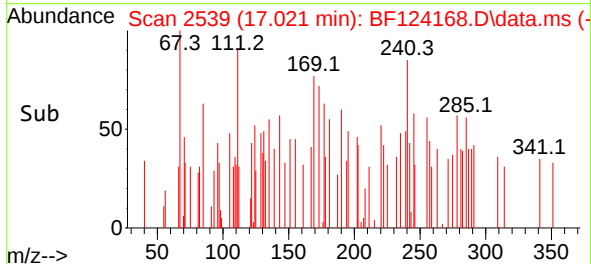
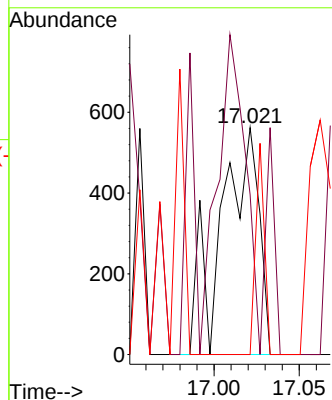
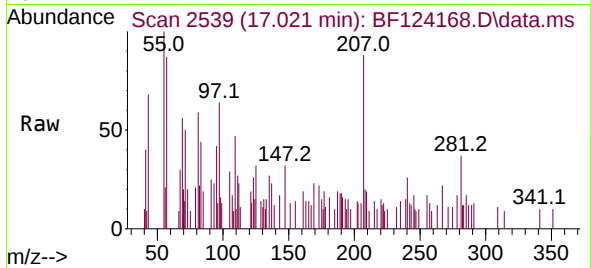




#91
Dibenzo(a,h)anthracene
Concen: 4.36 ng
RT: 17.021 min Scan# 2539
Delta R.T. 0.000 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

Instrument :
BNA_F
ClientSampleId :
18-B12(0-2)

Tgt Ion:278 Resp: 871
Ion Ratio Lower Upper
278 100
139 70.5 10.2 15.2#
279 0.0 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 4.13 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.005 min
Lab File: BF124168.D
Acq: 7 Jun 2021 21:28

Tgt Ion:276 Resp: 1537
Ion Ratio Lower Upper
276 100
277 0.0 18.2 27.2#
138 0.0 13.8 20.6#

