

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124201.D
 Acq On : 9 Jun 2021 2:44
 Operator : JU/CG
 Sample : M2589-02 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B7(2-4)

Quant Time: Jun 09 04:11:14 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)

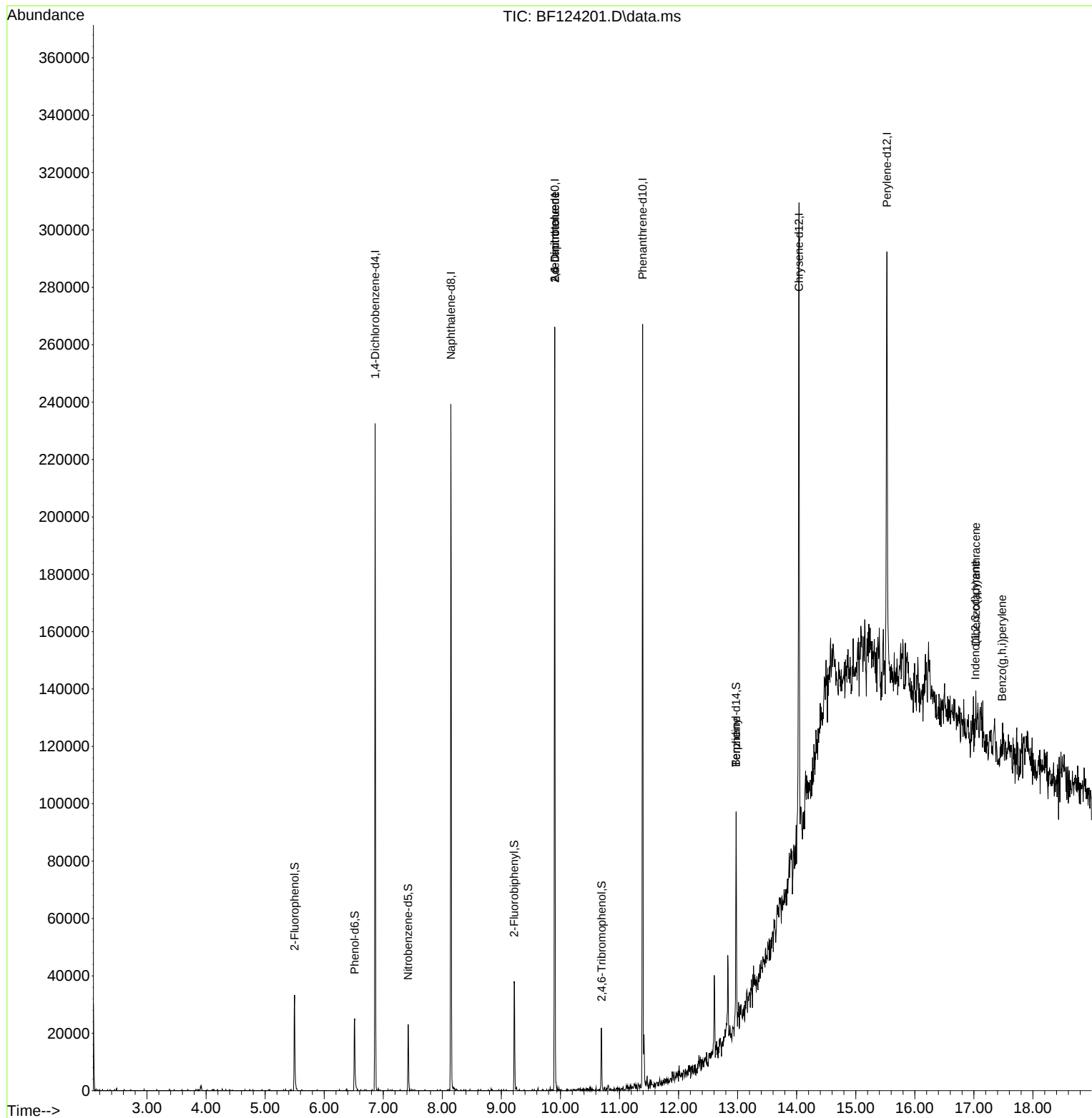
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	26024	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	88969	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	47365	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	83710	20.00	ng	0.00
76) Chrysene-d12	14.039	240	69249	20.00	ng	# 0.00
86) Perylene-d12	15.527	264	54510	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	9455	5.47	ng	0.00
7) Phenol-d6	6.516	99	9957	4.28	ng	0.00
23) Nitrobenzene-d5	7.422	82	7284	3.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	3312	4.94	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	12975	3.45	ng	-0.01
79) Terphenyl-d14	12.974	244	16717	3.31	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.904	165	6135	6.83	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	6135	5.18	ng	# 15
77) Benzidine	12.974	184	629	4.42	ng	# 49
87) Indeno(1,2,3-cd)pyrene	17.027	276	2716	4.88	ng	# 93
91) Dibenzo(a,h)anthracene	17.033	278	303	4.25	ng	# 1
92) Benzo(g,h,i)perylene	17.480	276	3214	4.58	ng	# 47

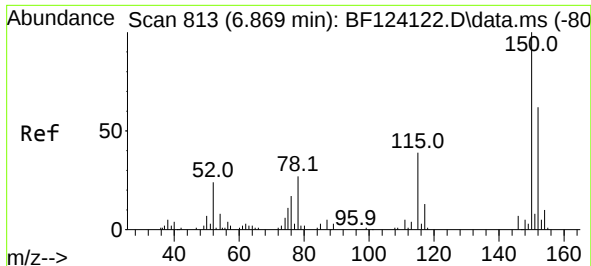
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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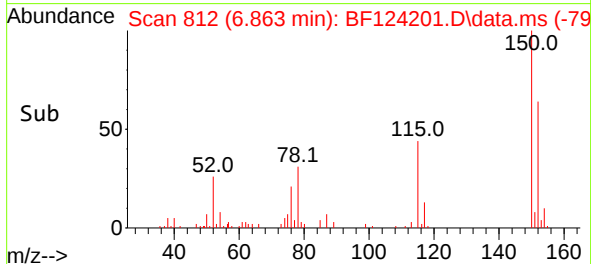
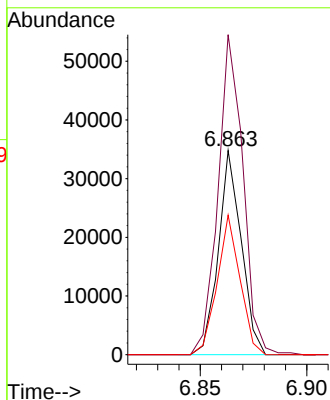
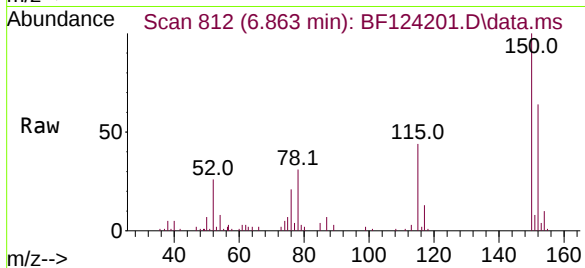




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

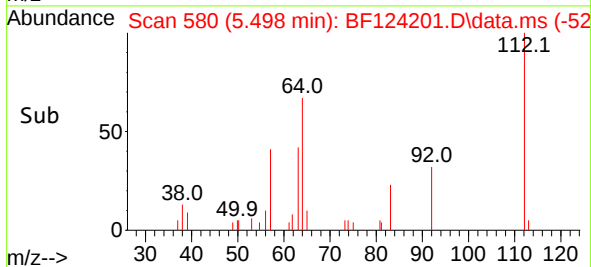
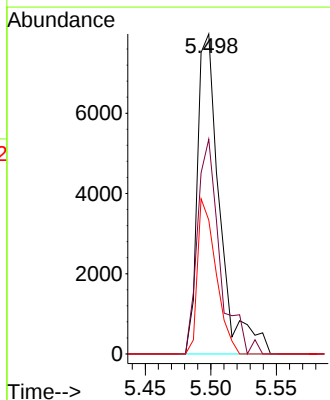
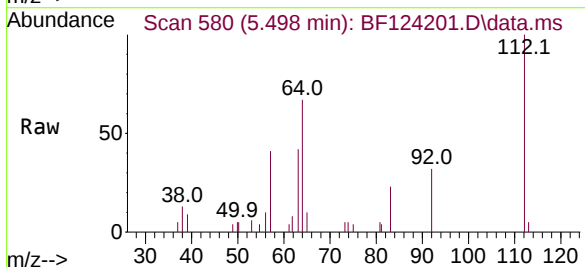
Instrument :
BNA_F
ClientSampleId :
18-B7(2-4)

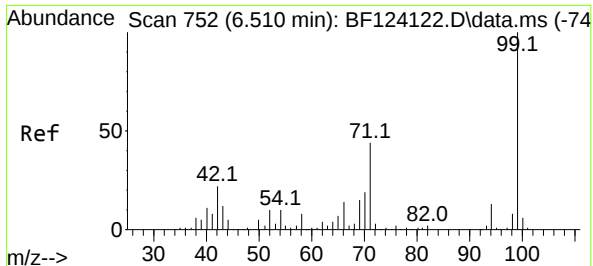
Tgt Ion:152 Resp: 26024
Ion Ratio Lower Upper
152 100
150 156.7 127.0 190.6
115 68.4 54.3 81.5



#5
2-Fluorophenol
Concen: 5.47 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

Tgt Ion:112 Resp: 9455
Ion Ratio Lower Upper
112 100
64 67.1 61.4 92.0
63 41.9 33.0 49.4

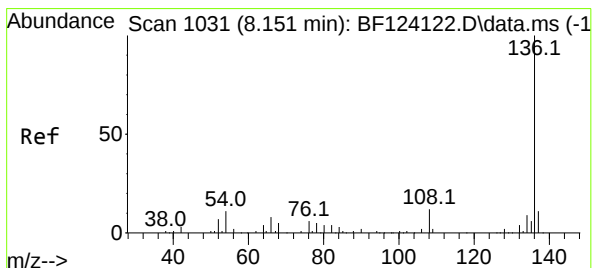
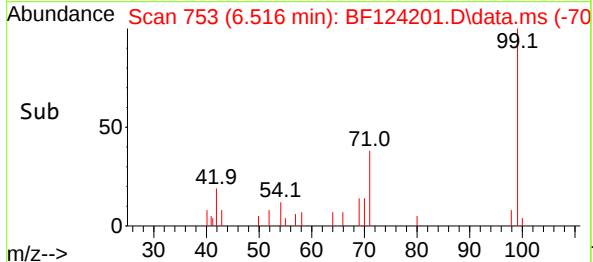
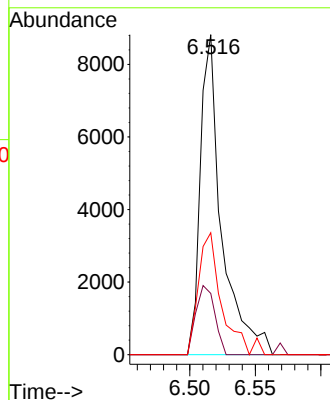
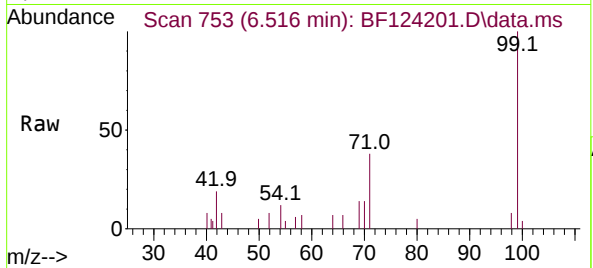




#7
Phenol-d6
Concen: 4.28 ng
RT: 6.516 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

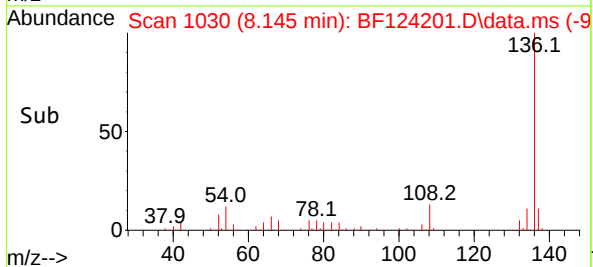
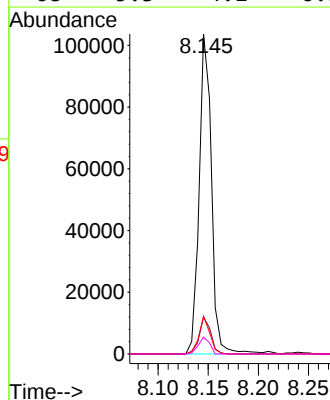
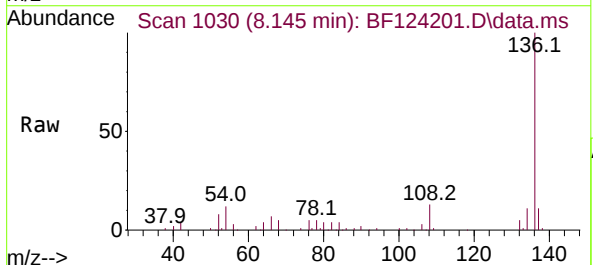
Instrument :
BNA_F
ClientSampleId :
18-B7(2-4)

Tgt Ion: 99 Resp: 9957
Ion Ratio Lower Upper
99 100
42 19.2 19.8 29.8#
71 38.1 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: BF124201.D
Acq: 9 Jun 2021 2:44

Tgt Ion: 136 Resp: 88969
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 11.8 9.8 14.6
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 3.25 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF124201.D

Acq: 9 Jun 2021 2:44

Instrument :

BNA_F

ClientSampleId :

18-B7(2-4)

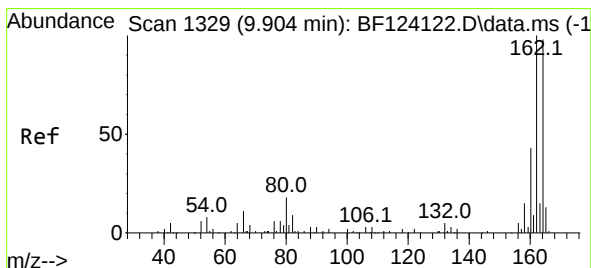
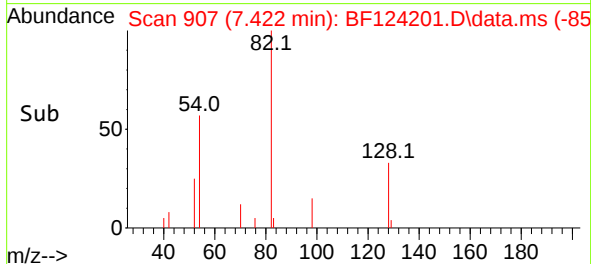
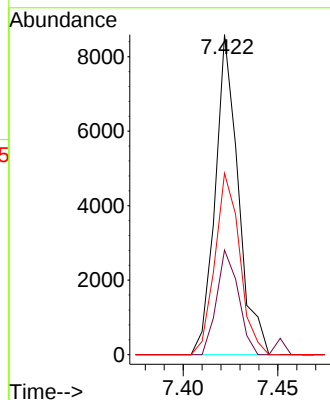
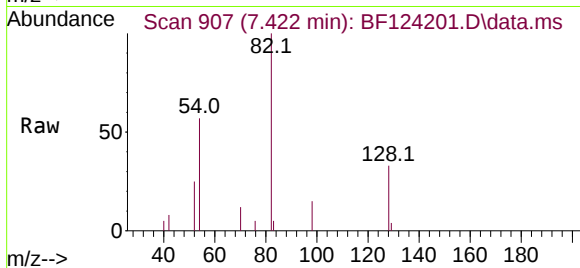
Tgt Ion: 82 Resp: 7284

Ion Ratio Lower Upper

82 100

128 32.7 29.4 44.2

54 56.7 54.1 81.1



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.000 min

Lab File: BF124201.D

Acq: 9 Jun 2021 2:44

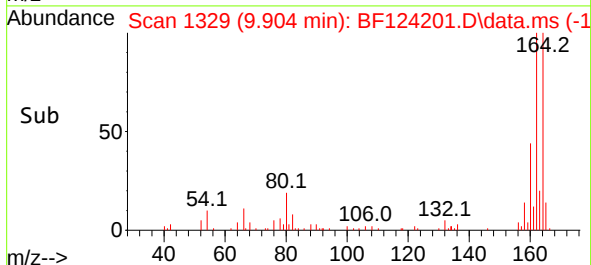
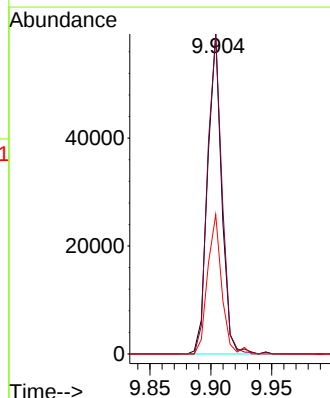
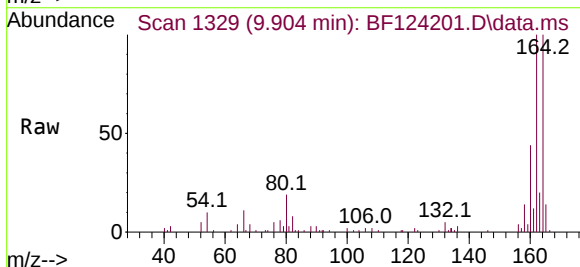
Tgt Ion: 164 Resp: 47365

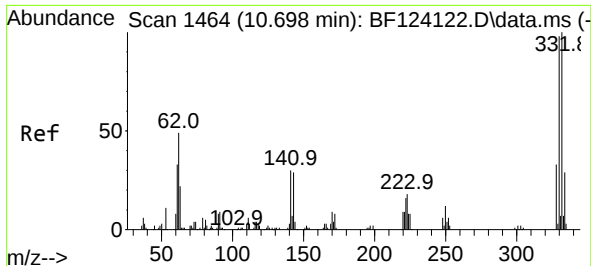
Ion Ratio Lower Upper

164 100

162 99.9 80.7 121.1

160 43.6 37.3 55.9

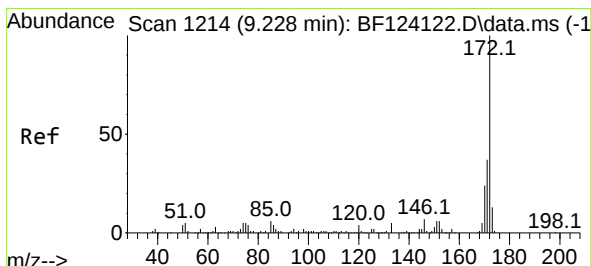
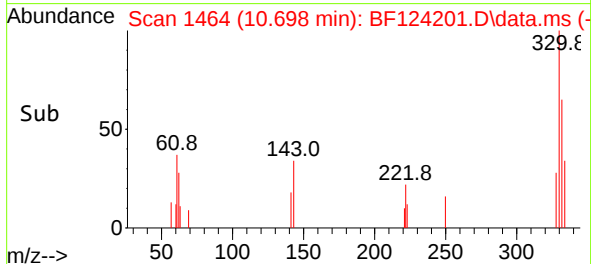
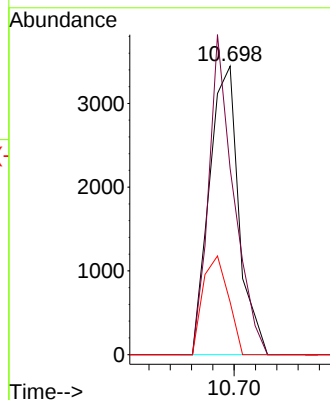
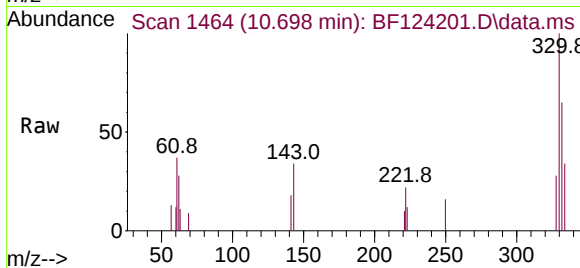




#42
2,4,6-Tribromophenol
Concen: 4.94 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

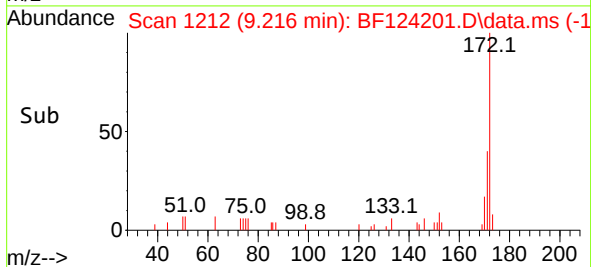
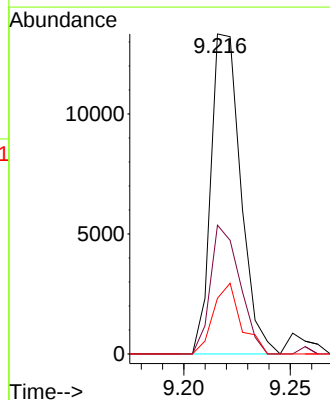
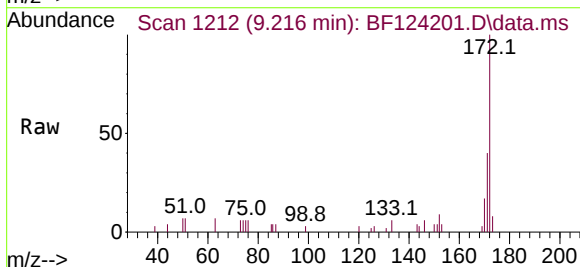
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18-B7(2-4)

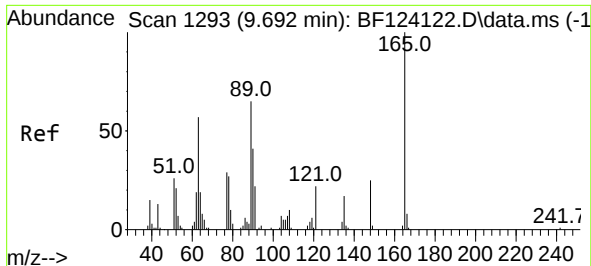
Tgt Ion:	330	Resp:	3312
Ion Ratio	Lower	Upper	
330	100		
332	93.8	77.1	115.7
141	29.4	27.9	41.9



#45
2-Fluorobiphenyl
Concen: 3.45 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

Tgt Ion:	172	Resp:	12975
Ion Ratio	Lower	Upper	
172	100		
171	40.2	28.1	42.1
170	17.4	19.2	28.8#

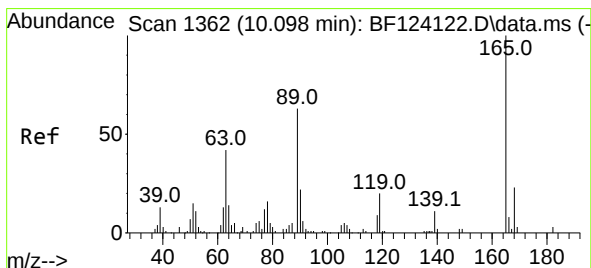
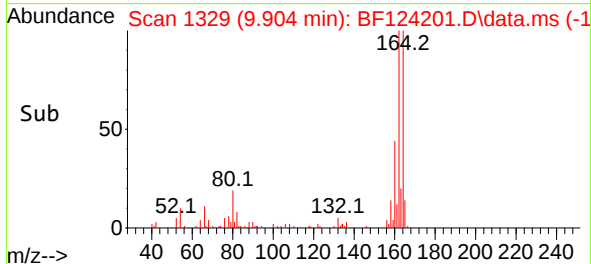
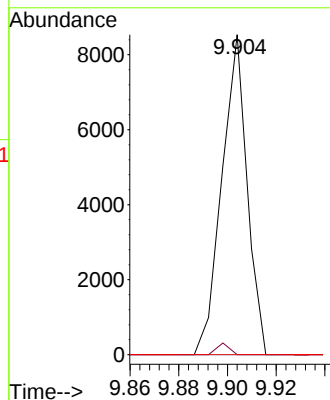
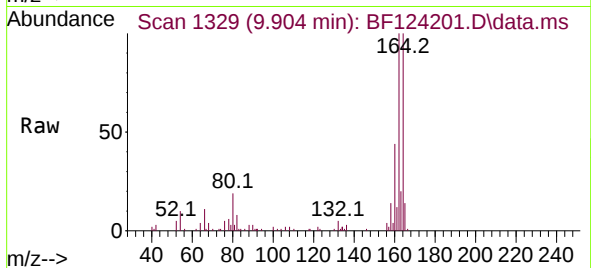




#51
2,6-Dinitrotoluene
Concen: 6.83 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

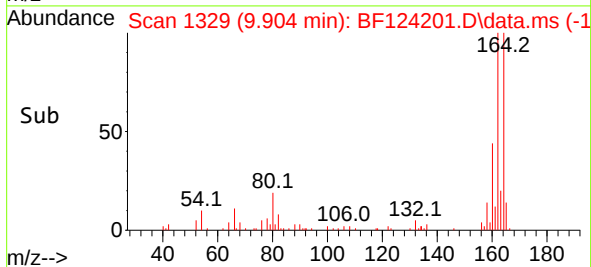
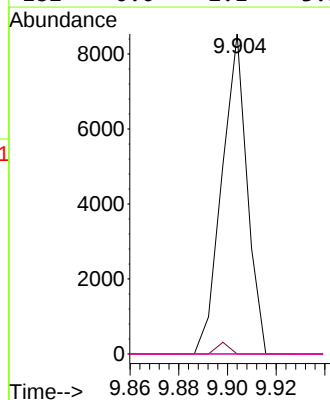
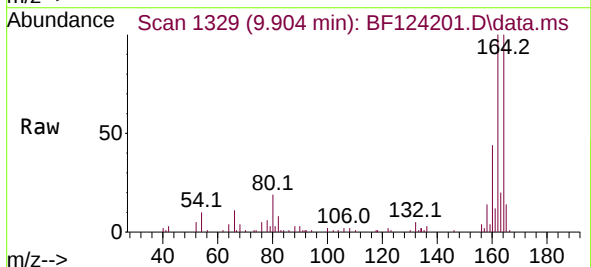
Instrument :
BNA_F
ClientSampleId :
18-B7(2-4)

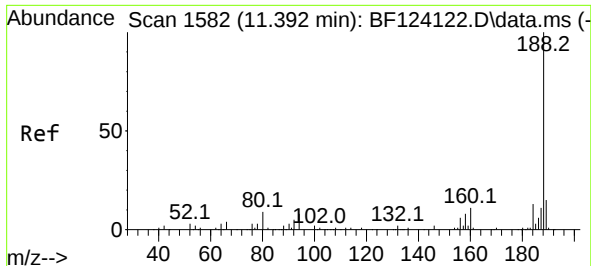
Tgt Ion:165 Resp: 6135
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.18 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

Tgt Ion:165 Resp: 6135
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#

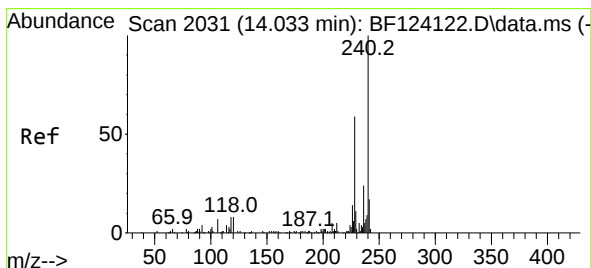
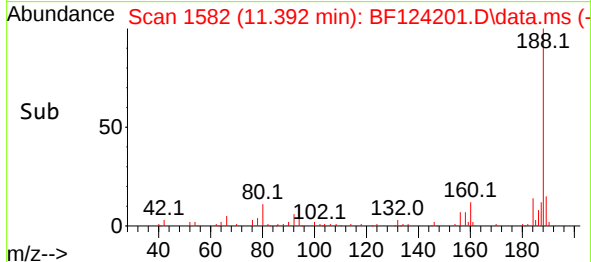
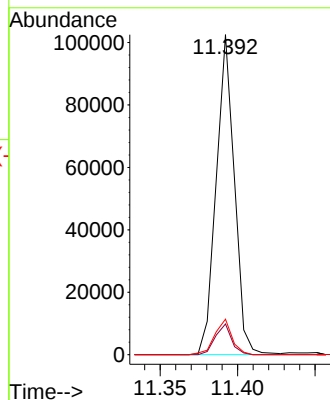
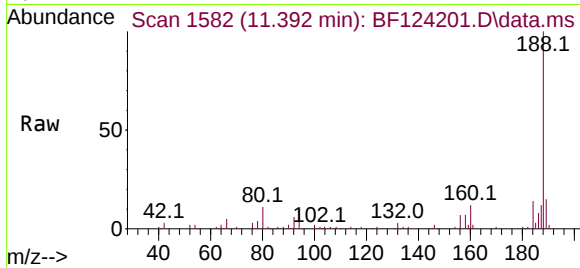




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

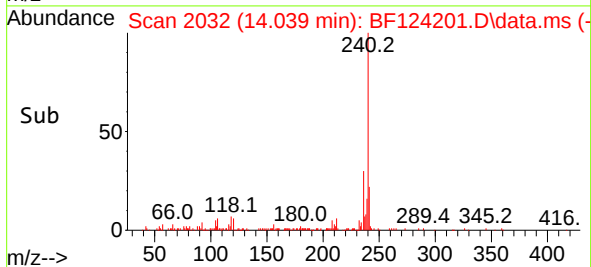
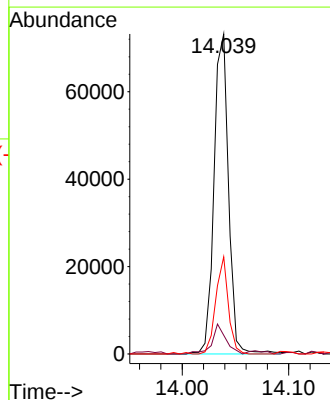
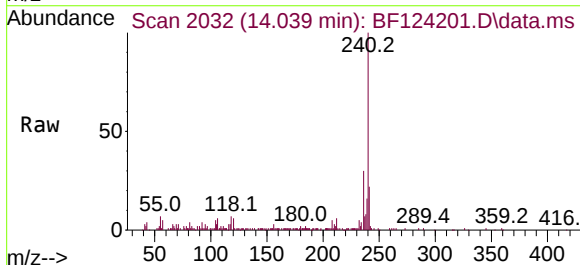
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18-B7(2-4)

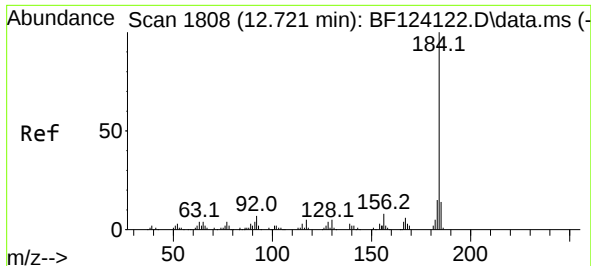
Tgt Ion:188 Resp: 83710
Ion Ratio Lower Upper
188 100
94 9.6 6.9 10.3
80 11.1 8.2 12.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

Tgt Ion:240 Resp: 69249
Ion Ratio Lower Upper
240 100
120 5.8 7.2 10.8#
236 30.4 19.0 28.4#

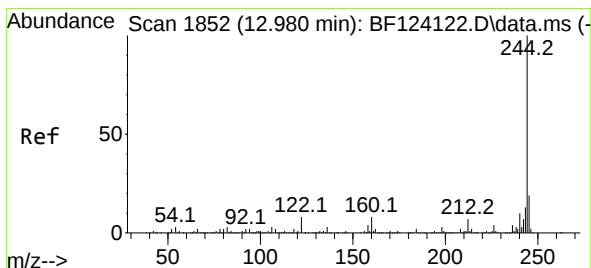
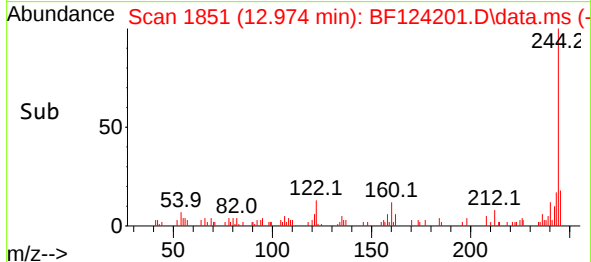
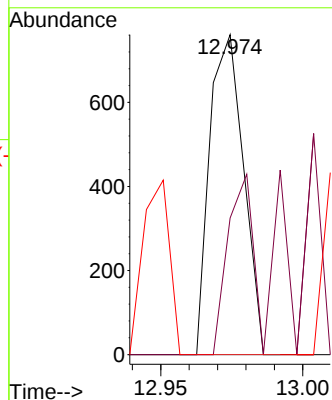
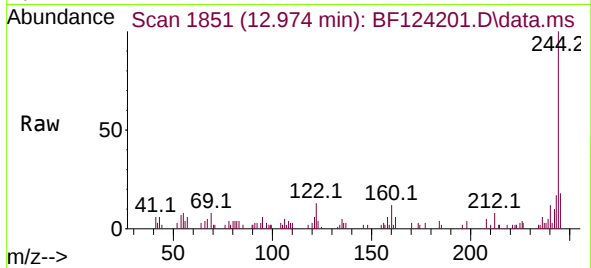




#77
Benzidine
Concen: 4.42 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

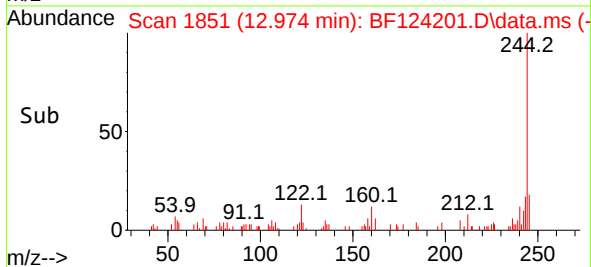
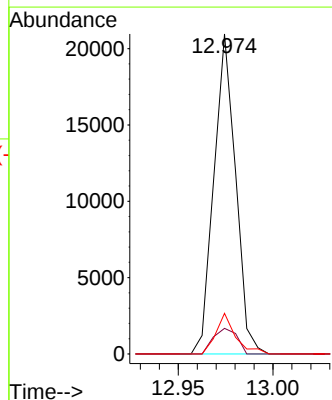
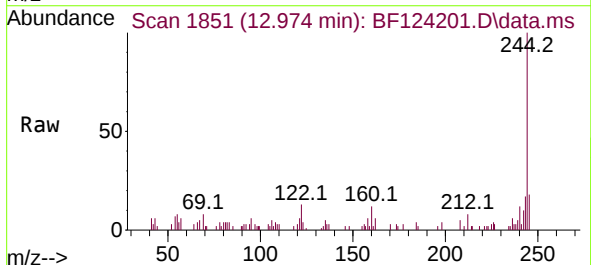
Instrument :
BNA_F
ClientSampleId :
18-B7(2-4)

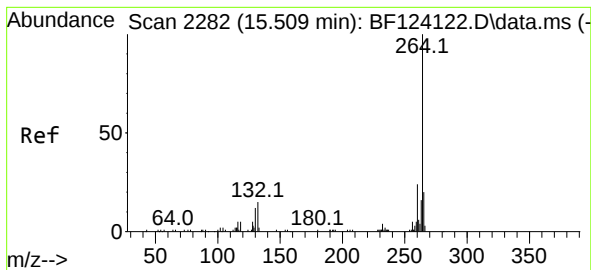
Tgt Ion:184 Resp: 629
Ion Ratio Lower Upper
184 100
185 42.7 12.1 18.1#
183 0.0 7.8 11.8#



#79
Terphenyl-d14
Concen: 3.31 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

Tgt Ion:244 Resp: 16717
Ion Ratio Lower Upper
244 100
212 8.0 5.7 8.5
122 12.7 9.7 14.5

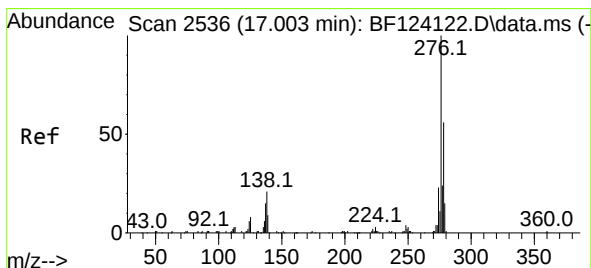
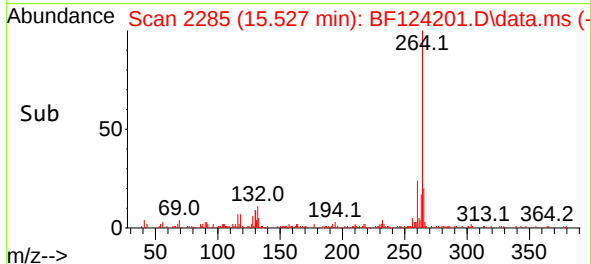
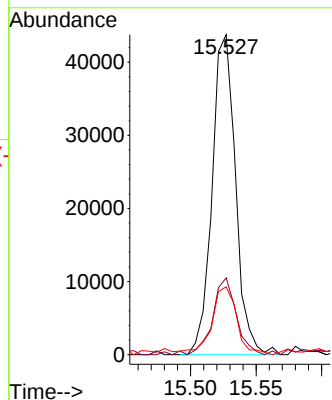
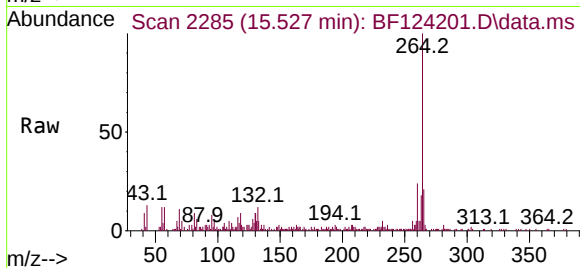




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.527 min Scan# 2285
Delta R.T. 0.018 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

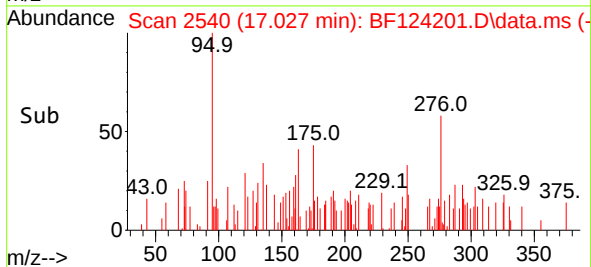
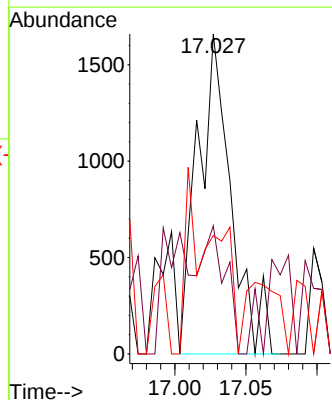
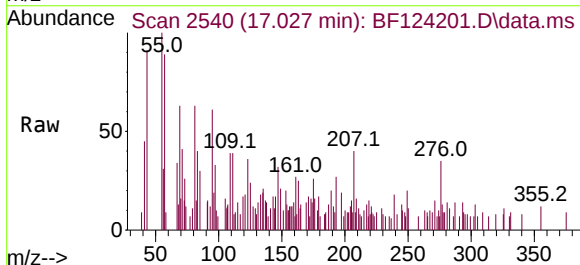
Instrument :
BNA_F
ClientSampleId :
18-B7(2-4)

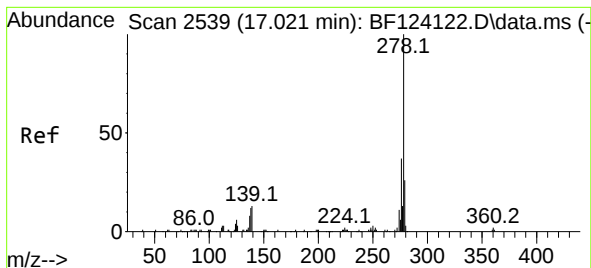
Tgt Ion:264 Resp: 54510
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 21.2 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.88 ng
RT: 17.027 min Scan# 2540
Delta R.T. 0.024 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

Tgt Ion:276 Resp: 2716
Ion Ratio Lower Upper
276 100
138 26.5 16.2 24.2#
277 24.1 20.1 30.1

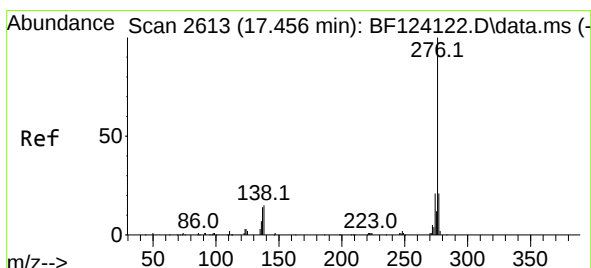
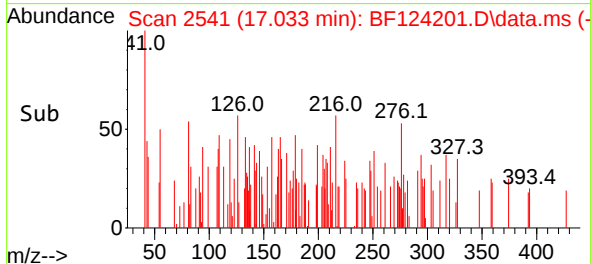
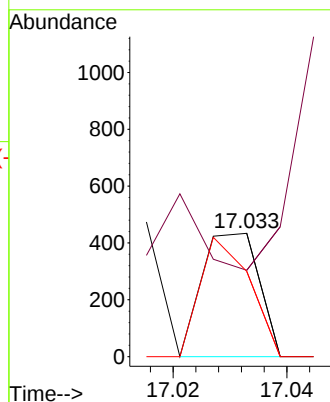
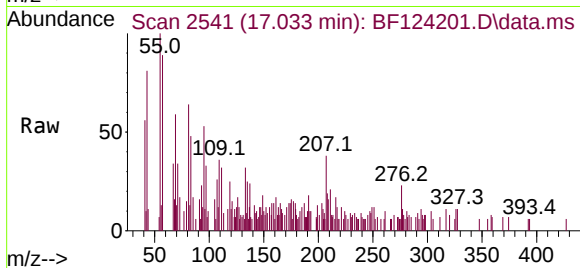




#91
Dibenzo(a,h)anthracene
Concen: 4.25 ng
RT: 17.033 min Scan# 2541
Delta R.T. 0.012 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

Instrument :
BNA_F
ClientSampleId :
18-B7(2-4)

Tgt Ion:278 Resp: 303
Ion Ratio Lower Upper
278 100
139 70.0 10.2 15.2#
279 69.1 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 4.58 ng
RT: 17.480 min Scan# 2617
Delta R.T. 0.024 min
Lab File: BF124201.D
Acq: 9 Jun 2021 2:44

Tgt Ion:276 Resp: 3214
Ion Ratio Lower Upper
276 100
277 38.1 18.2 27.2#
138 52.7 13.8 20.6#

