

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060721\
 Data File : BF124169.D
 Acq On : 7 Jun 2021 22:02
 Operator : JU/CG
 Sample : M2589-08 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B9(2-4)

Quant Time: Jun 08 01:31:02 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)

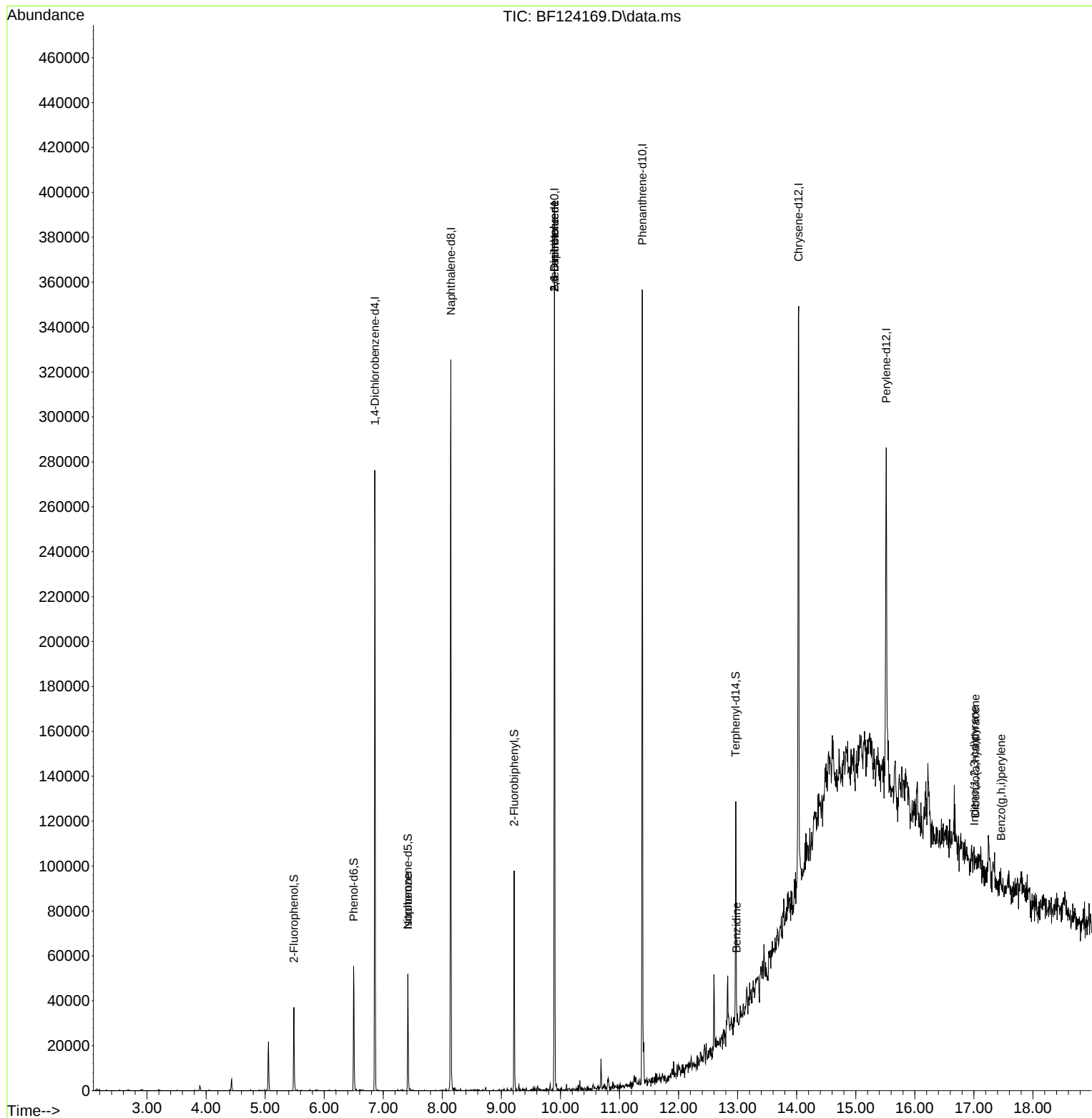
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	33202	20.00	ng	-0.01
21) Naphthalene-d8	8.145	136	128654	20.00	ng	# 0.00
39) Acenaphthene-d10	9.898	164	66248	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	108107	20.00	ng	0.00
76) Chrysene-d12	14.033	240	81309	20.00	ng	0.00
86) Perylene-d12	15.515	264	61003	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	8205	3.72	ng	0.00
7) Phenol-d6	6.498	99	14550	4.91	ng	-0.01
23) Nitrobenzene-d5	7.416	82	14034	4.33	ng	-0.02
42) 2,4,6-Tribromophenol	10.686	330	1667	1.78	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	24215	4.60	ng	-0.01
79) Terphenyl-d14	12.968	244	24360	4.11	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.416	82	14033	2.40	ng	# 69
51) 2,6-Dinitrotoluene	9.898	165	8097	6.44	ng	# 10
57) 2,4-Dinitrotoluene	9.898	165	8097	4.89	ng	# 15
77) Benzidine	12.980	184	491	4.30	ng	# 68
87) Indeno(1,2,3-cd)pyrene	17.009	276	2595	4.80	ng	# 85
91) Dibenzo(a,h)anthracene	17.027	278	379	4.25	ng	# 1
92) Benzo(g,h,i)perylene	17.462	276	2375	4.32	ng	# 1

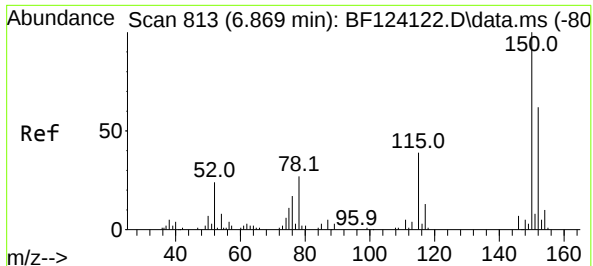
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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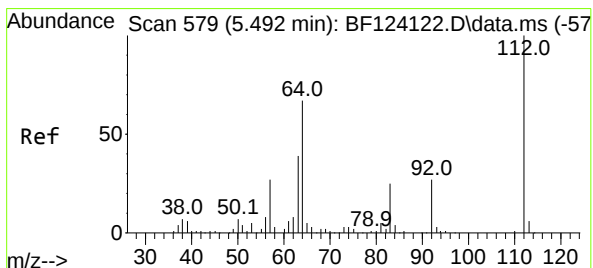
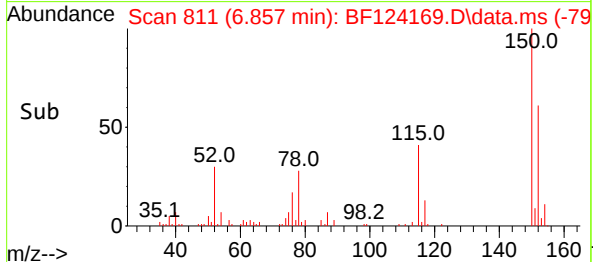
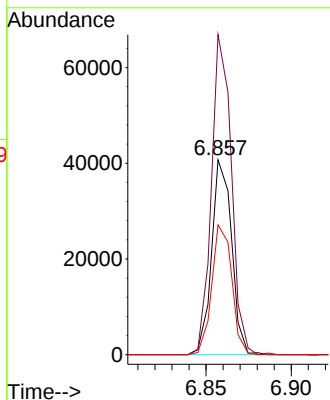
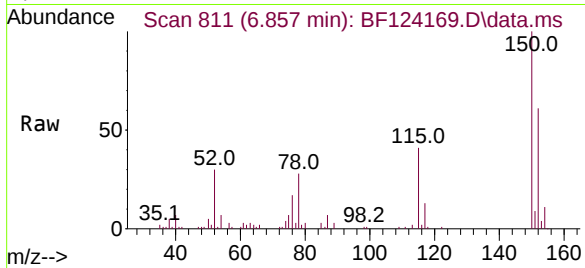




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

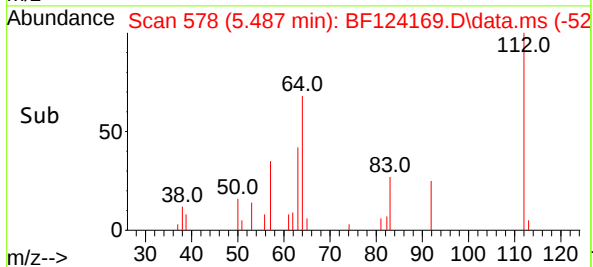
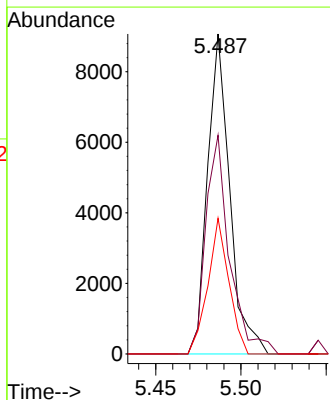
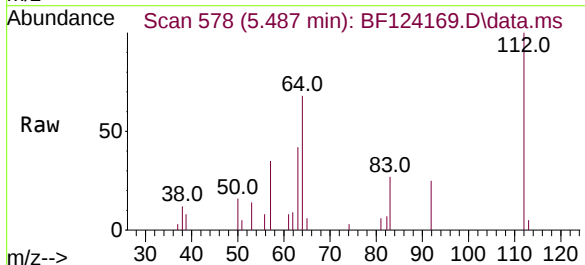
Instrument :
BNA_F
ClientSampleId :
18-B9(2-4)

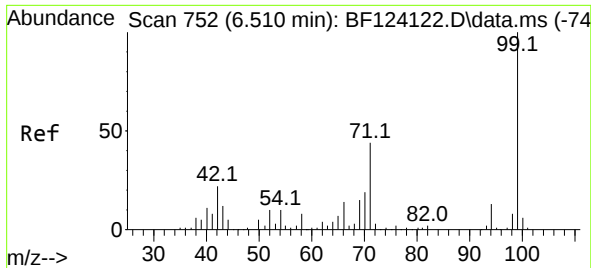
Tgt Ion:152 Resp: 33202
Ion Ratio Lower Upper
152 100
150 164.2 127.0 190.6
115 66.6 54.3 81.5



#5
2-Fluorophenol
Concen: 3.72 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

Tgt Ion:112 Resp: 8205
Ion Ratio Lower Upper
112 100
64 68.3 61.4 92.0
63 42.4 33.0 49.4

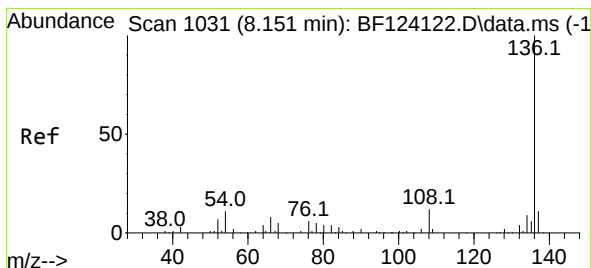
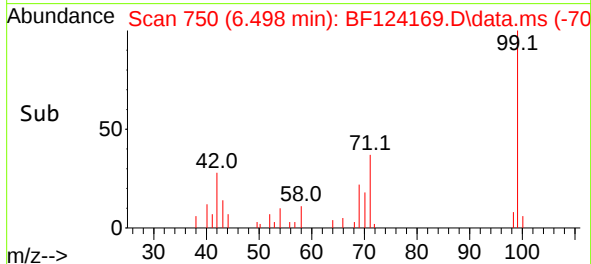
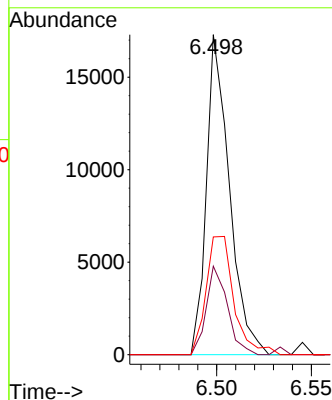
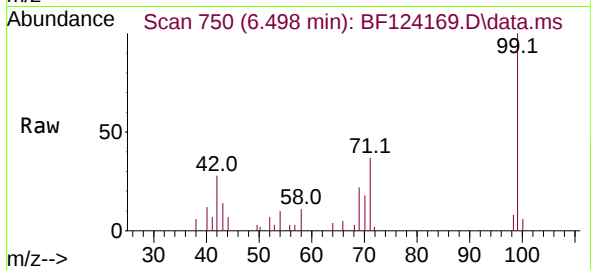




#7
Phenol-d6
Concen: 4.91 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

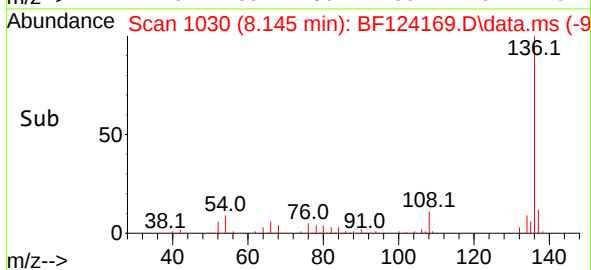
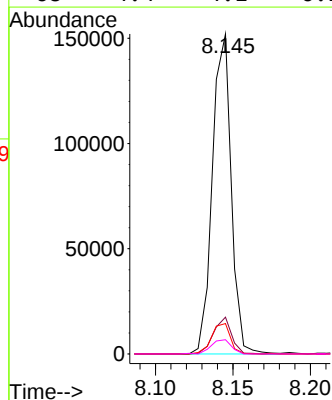
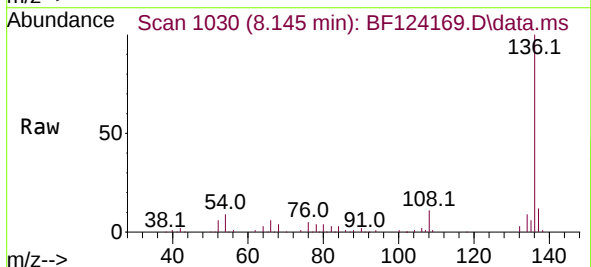
Instrument :
BNA_F
ClientSampled :
18-B9(2-4)

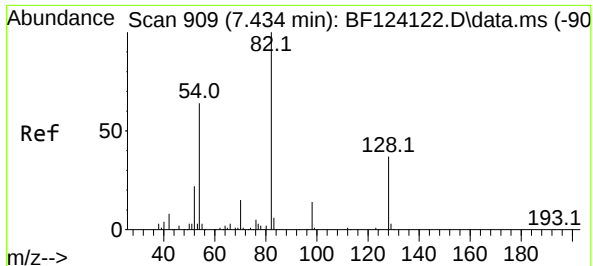
Tgt Ion: 99 Resp: 14550
Ion Ratio Lower Upper
99 100
42 27.6 19.8 29.8
71 36.8 31.1 46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

Tgt Ion: 136 Resp: 128654
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 9.5 9.8 14.6#
68 4.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 4.33 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.018 min

Lab File: BF124169.D

Acq: 7 Jun 2021 22:02

Instrument :

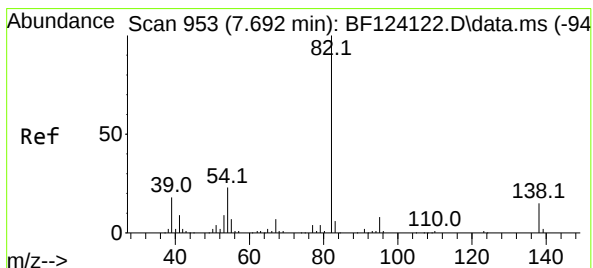
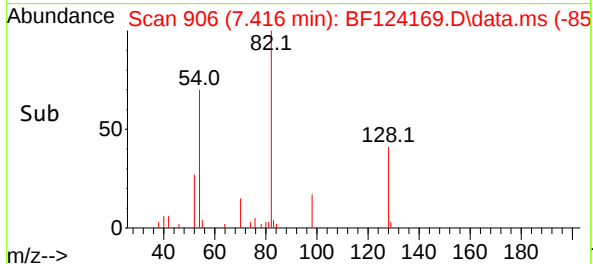
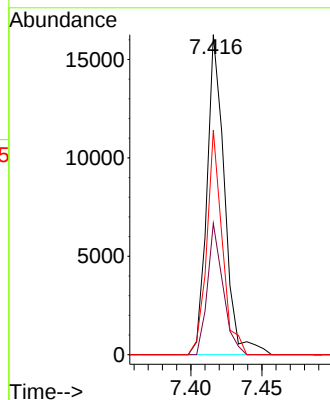
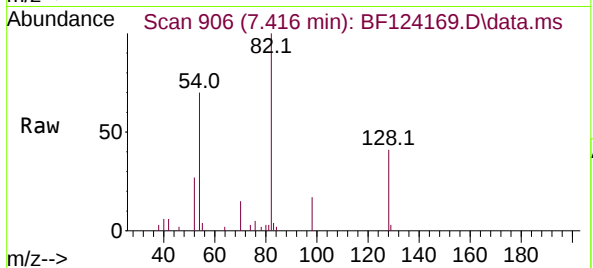
BNA_F

ClientSampleId :

18-B9(2-4)

Tgt Ion: 82 Resp: 14034

Ion	Ratio	Lower	Upper
82	100		
128	41.1	29.4	44.2
54	70.2	54.1	81.1



#25

Isophorone

Concen: 2.40 ng

RT: 7.416 min Scan# 906

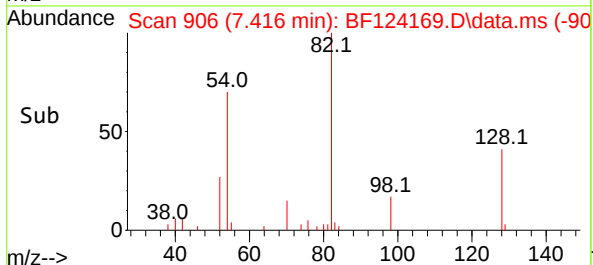
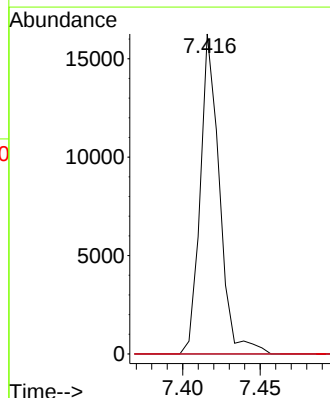
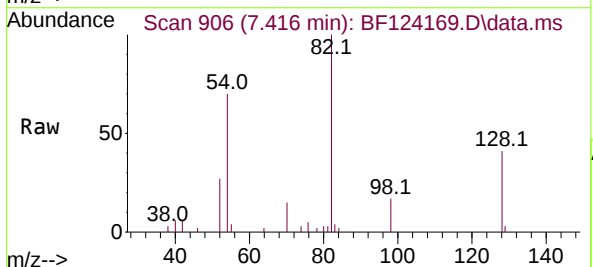
Delta R.T. -0.277 min

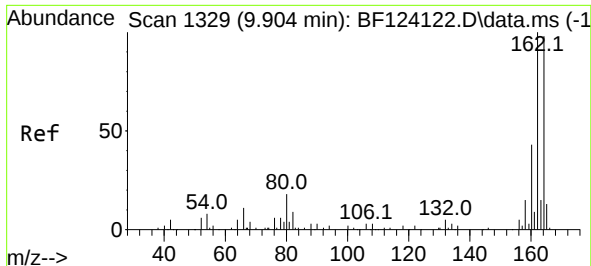
Lab File: BF124169.D

Acq: 7 Jun 2021 22:02

Tgt Ion: 82 Resp: 14033

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	11.8	17.8#

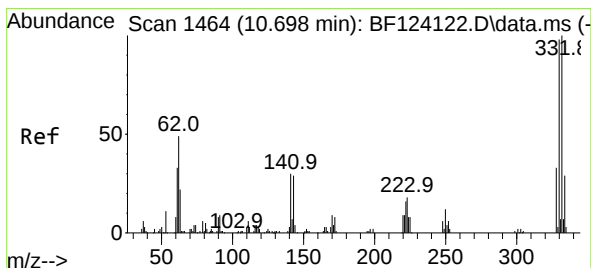
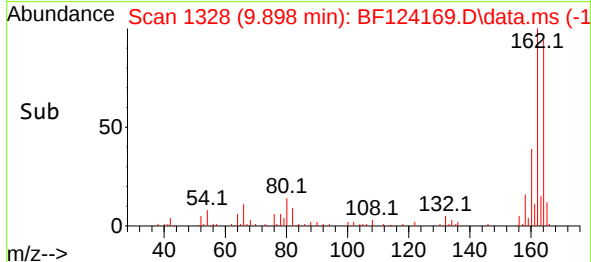
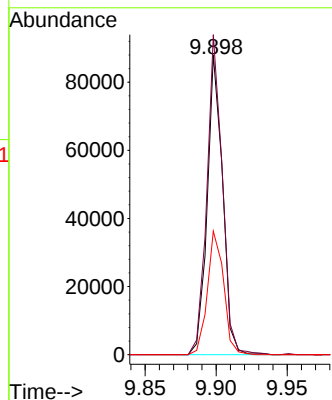
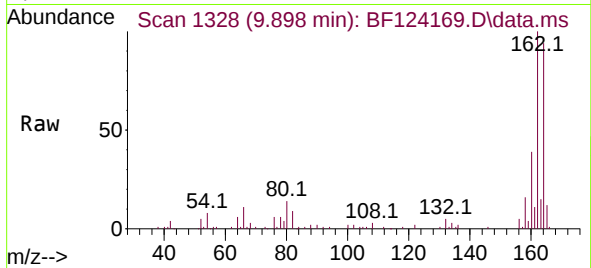




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

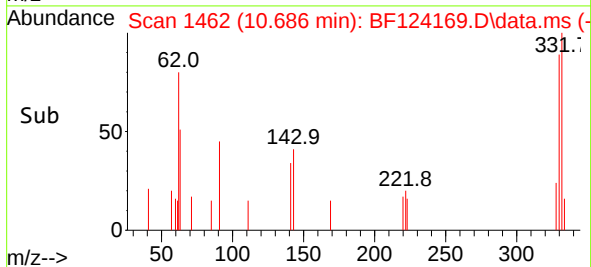
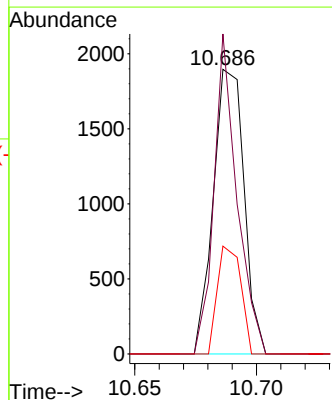
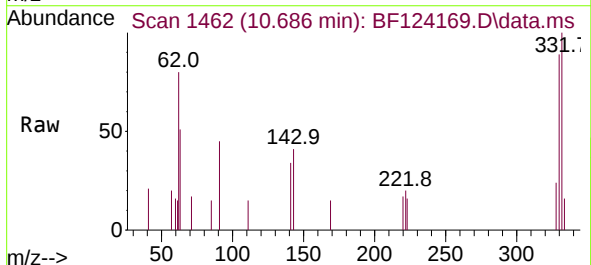
Instrument :
BNA_F
ClientSampleId :
18-B9(2-4)

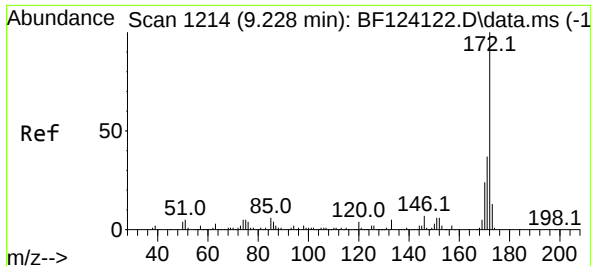
Tgt Ion:164 Resp: 66248
Ion Ratio Lower Upper
164 100
162 106.7 80.7 121.1
160 41.2 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 1.78 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

Tgt Ion:330 Resp: 1667
Ion Ratio Lower Upper
330 100
332 83.7 77.1 115.7
141 28.9 27.9 41.9

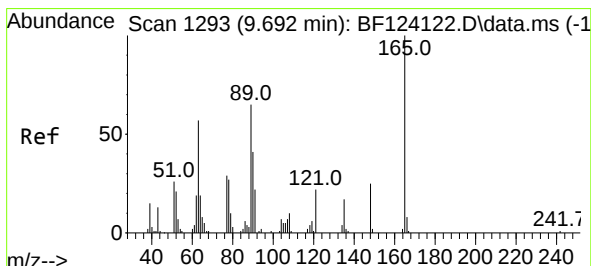
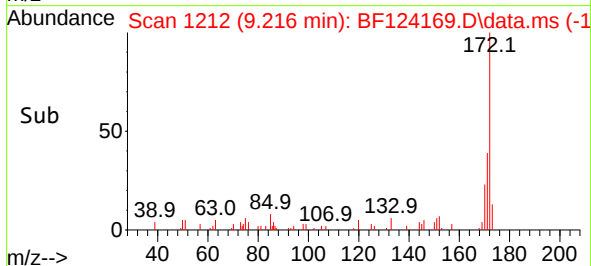
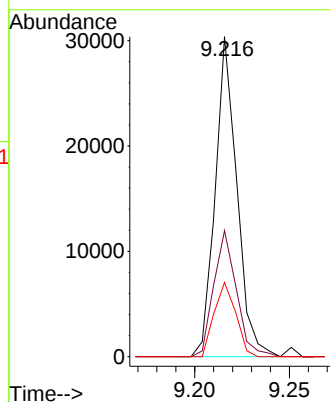
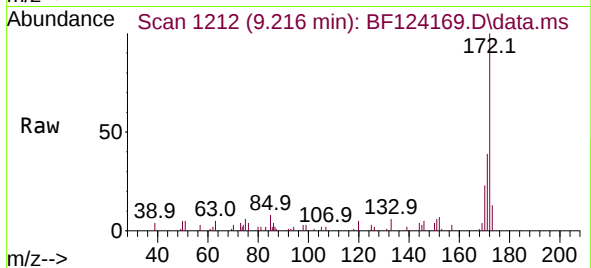




#45
2-Fluorobiphenyl
Concen: 4.60 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

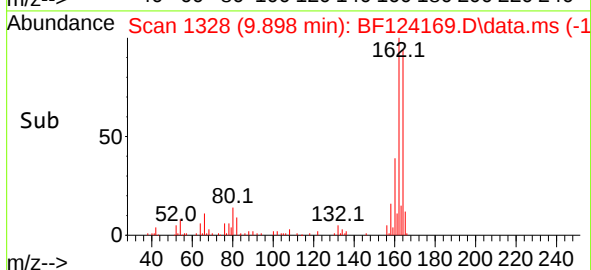
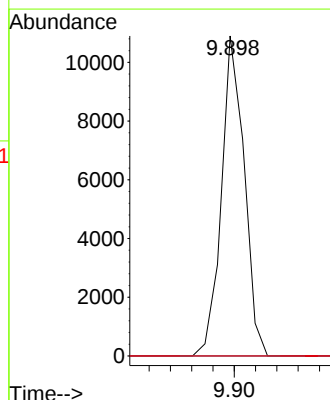
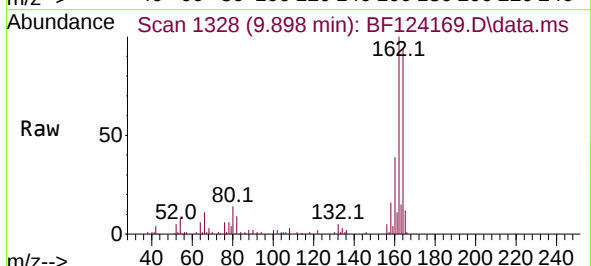
Instrument :
BNA_F
ClientSampleId :
18-B9(2-4)

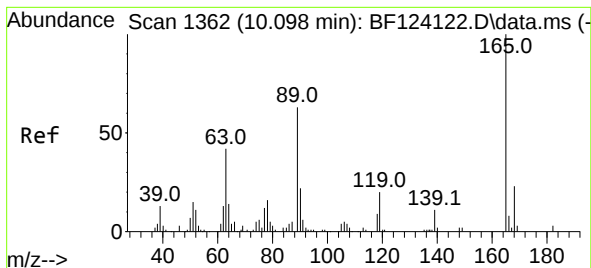
Tgt Ion:172 Resp: 24215
Ion Ratio Lower Upper
172 100
171 39.4 28.1 42.1
170 23.2 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 6.44 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

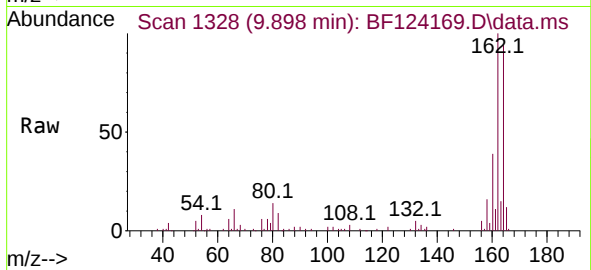
Tgt Ion:165 Resp: 8097
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



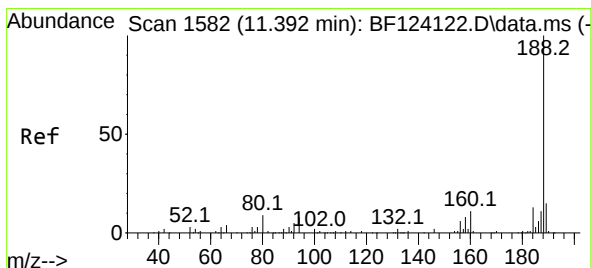
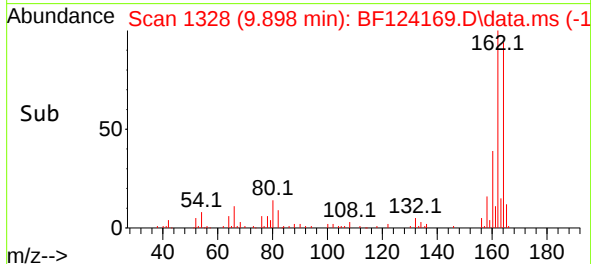
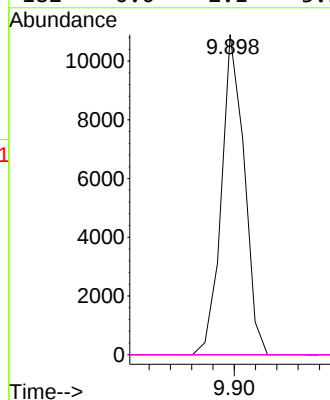


#57
2,4-Dinitrotoluene
Concen: 4.89 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

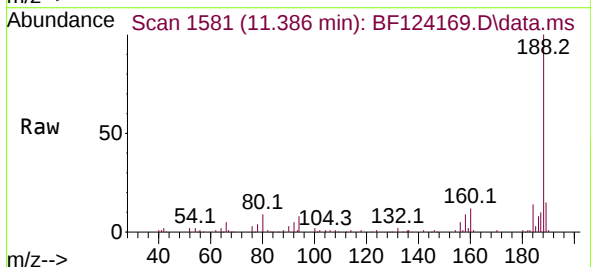
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ClientSampleId :
18-B9(2-4)



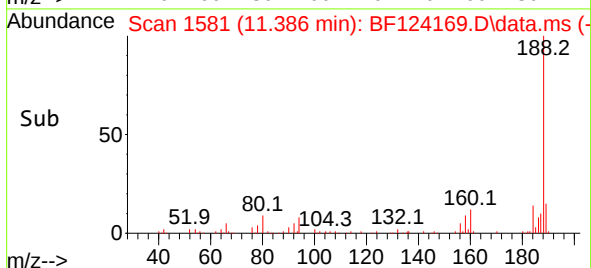
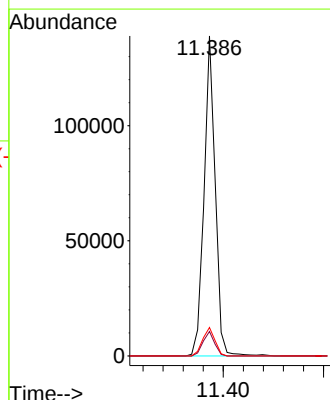
Tgt Ion:165 Resp: 8097
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

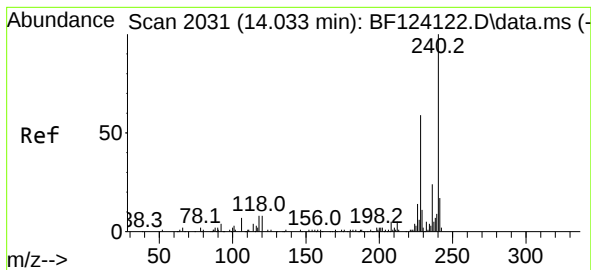


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02



Tgt Ion:188 Resp: 108107
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 8.9 8.2 12.2

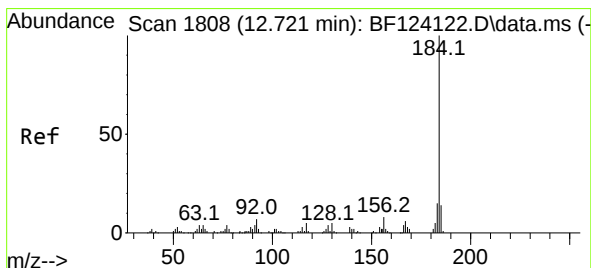
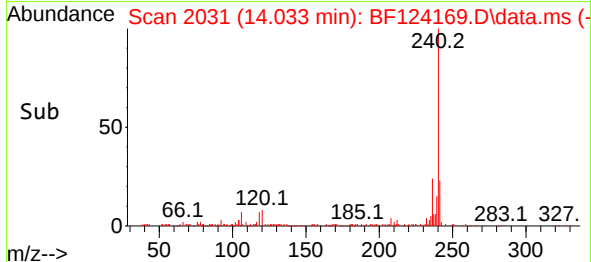
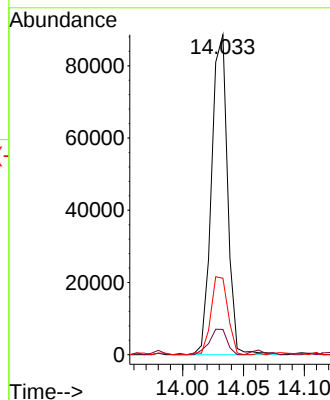
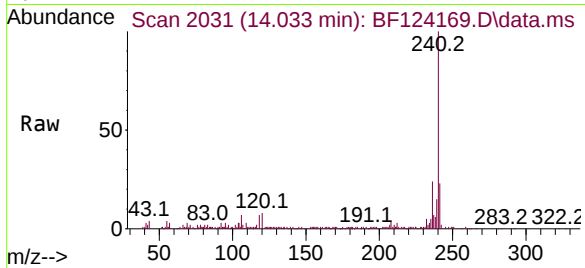




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

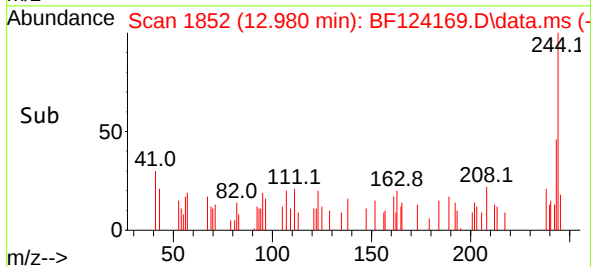
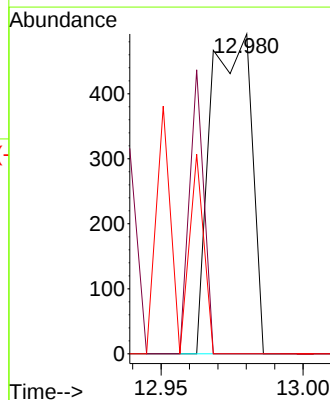
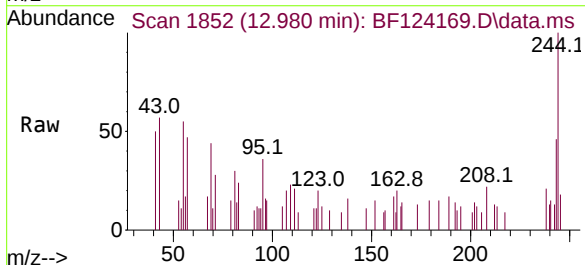
Instrument :
BNA_F
ClientSampleId :
18-B9(2-4)

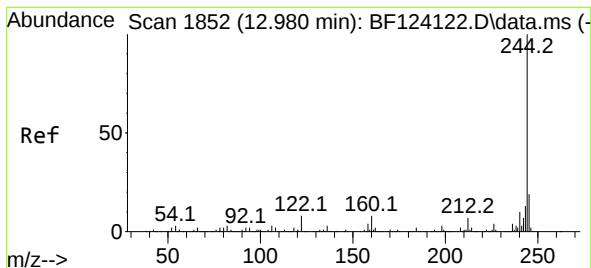
Tgt Ion:240 Resp: 81309
Ion Ratio Lower Upper
240 100
120 7.9 7.2 10.8
236 23.9 19.0 28.4



#77
Benzidine
Concen: 4.30 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.259 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

Tgt Ion:184 Resp: 491
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#





#79

Terphenyl-d14

Concen: 4.11 ng

RT: 12.968 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF124169.D

Acq: 7 Jun 2021 22:02

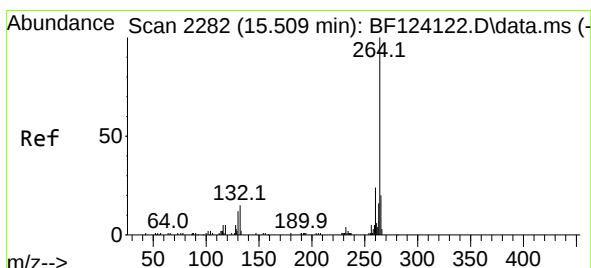
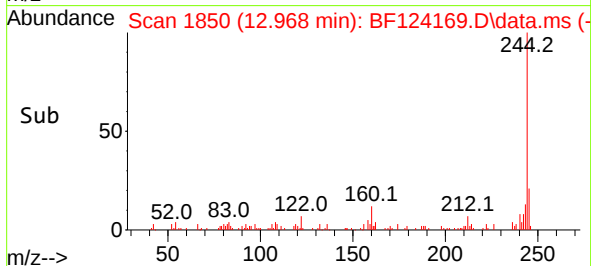
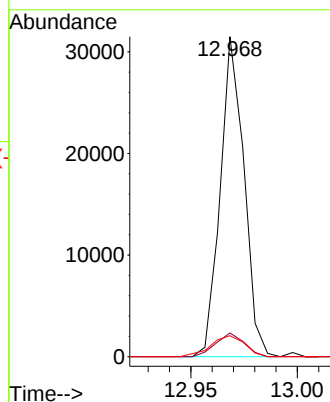
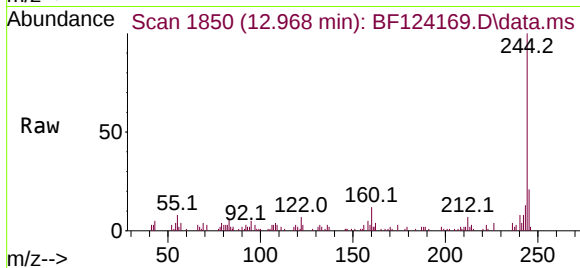
Tgt Ion:244	Resp:	24360
Ion Ratio	Lower	Upper
244	100	
212	7.4	5.7 8.5
122	6.6	9.7 14.5#

Instrument :

BNA_F

ClientSampleId :

18-B9(2-4)



#86

Perylene-d12

Concen: 20.00 ng

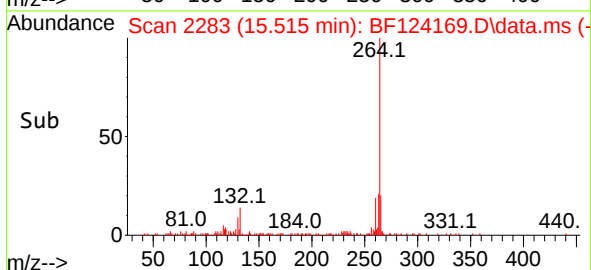
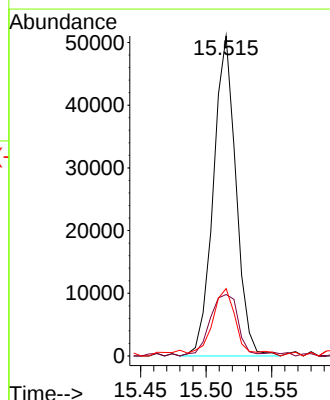
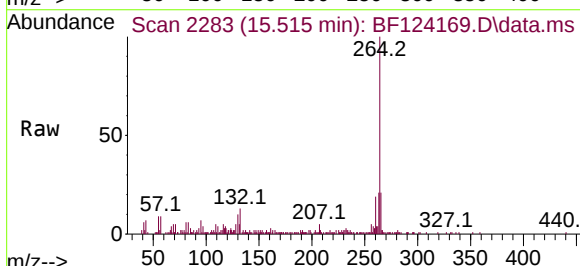
RT: 15.515 min Scan# 2283

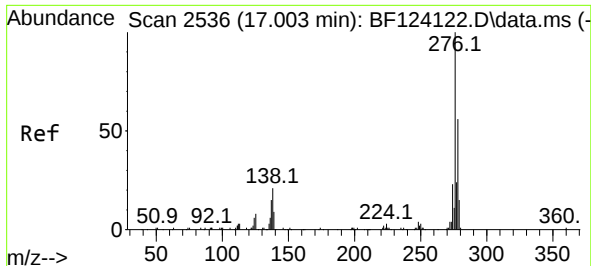
Delta R.T. 0.006 min

Lab File: BF124169.D

Acq: 7 Jun 2021 22:02

Tgt Ion:264	Resp:	61003
Ion Ratio	Lower	Upper
264	100	
260	19.2	18.7 28.1
265	21.1	17.8 26.8

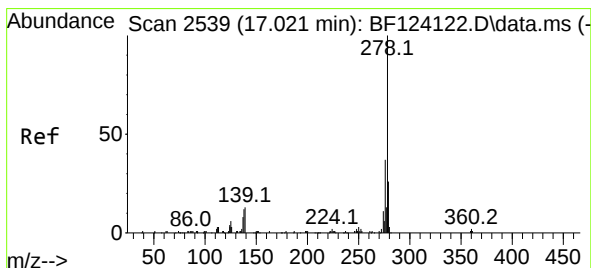
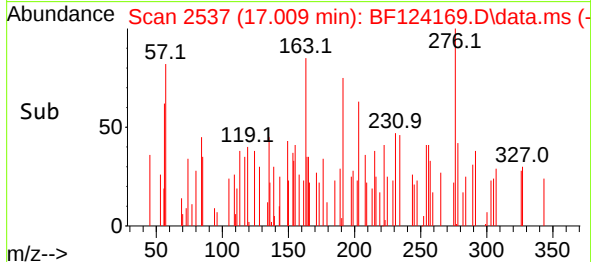
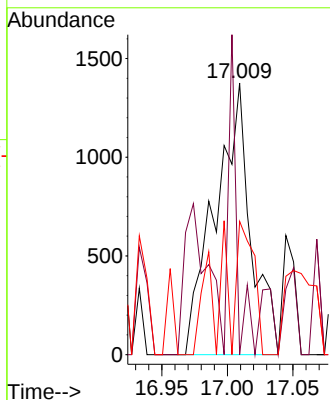
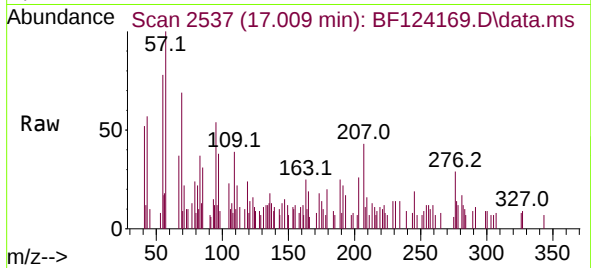




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.80 ng
RT: 17.009 min Scan# 2537
Delta R.T. 0.006 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

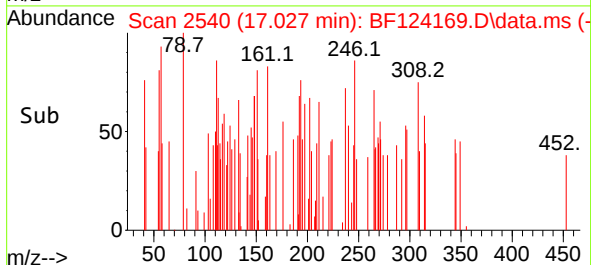
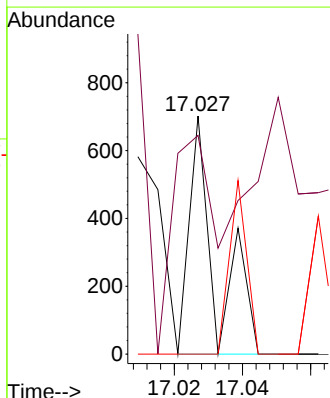
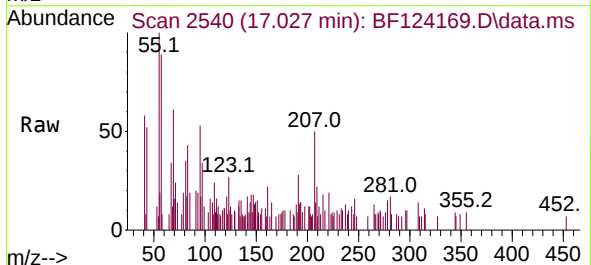
Instrument :
BNA_F
ClientSampleId :
18-B9(2-4)

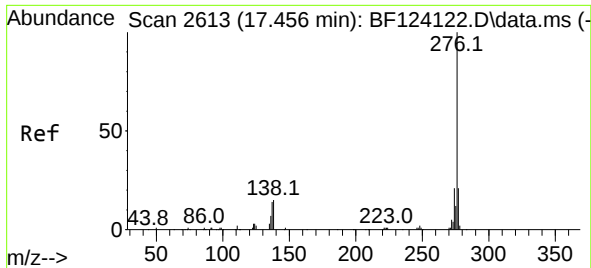
Tgt Ion:276 Resp: 2595
Ion Ratio Lower Upper
276 100
138 26.9 16.2 24.2#
277 33.1 20.1 30.1#



#91
Dibenzo(a,h)anthracene
Concen: 4.25 ng
RT: 17.027 min Scan# 2540
Delta R.T. 0.006 min
Lab File: BF124169.D
Acq: 7 Jun 2021 22:02

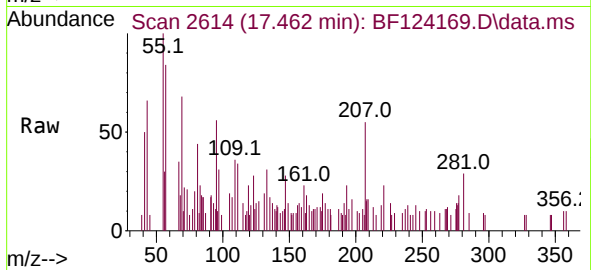
Tgt Ion:278 Resp: 379
Ion Ratio Lower Upper
278 100
139 91.9 10.2 15.2#
279 0.0 19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 4.32 ng
 RT: 17.462 min Scan# 2614
 Delta R.T. 0.006 min
 Lab File: BF124169.D
 Acq: 7 Jun 2021 22:02

Instrument :
 BNA_F
 ClientSampleId :
 18-B9(2-4)



Tgt Ion:276 Resp: 2375
 Ion Ratio Lower Upper
 276 100
 277 117.2 18.2 27.2#
 138 0.0 13.8 20.6#

