

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF124000.D
 Acq On : 19 May 2021 20:37
 Operator : JU/CG
 Sample : M2438-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-051821

Quant Time: May 20 02:27:08 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

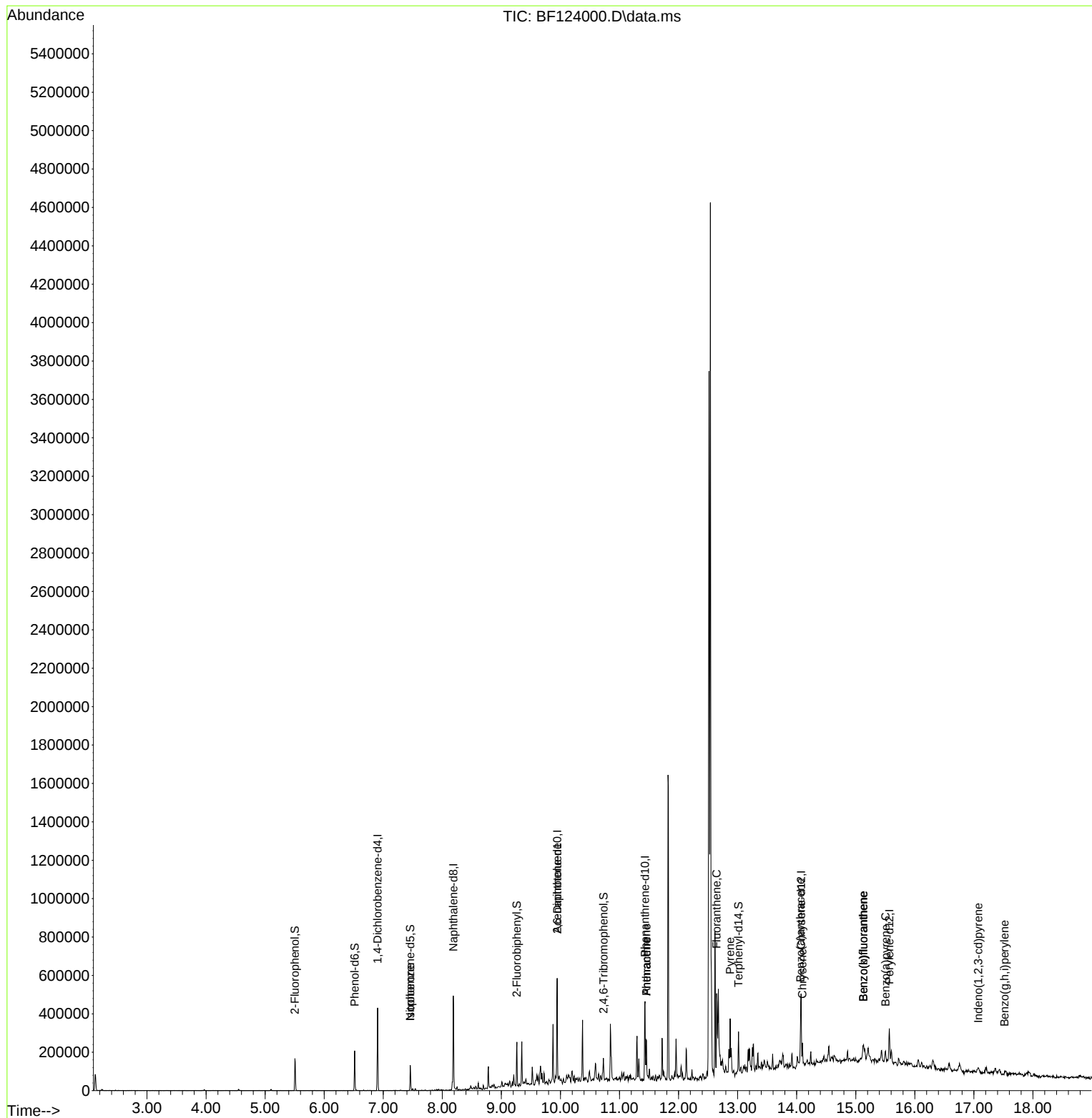
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	45407	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	175657	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	89782	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	135431	20.00	ng	0.00
76) Chrysene-d12	14.074	240	98593	20.00	ng	0.00
86) Perylene-d12	15.568	264	70554	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	35759	11.06	ng	0.00
7) Phenol-d6	6.516	99	44957	10.72	ng	0.00
23) Nitrobenzene-d5	7.457	82	32998	8.09	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	10236	9.49	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	58414	8.01	ng	0.00
79) Terphenyl-d14	13.015	244	48164	7.40	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.457	82	32997	4.21	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	13768	9.50	ng	# 13
71) Phenanthrene	11.457	178	74083	8.63	ng	95
72) Anthracene	11.457	178	74083	8.52	ng	95
75) Fluoranthene	12.645	202	110255	12.41	ng	97
78) Pyrene	12.874	202	95302	10.89	ng	97
81) Benzo(a)anthracene	14.062	228	40320	5.65	ng	96
83) Chrysene	14.098	228	35880	5.23	ng	95
87) Indeno(1,2,3-cd)pyrene	17.074	276	15653	2.87	ng	# 83
88) Benzo(b)fluoranthene	15.127	252	48218	8.83	ng	# 94
89) Benzo(k)fluoranthene	15.127	252	48218	9.69	ng	# 95
90) Benzo(a)pyrene	15.504	252	25946	5.50	ng	98
92) Benzo(g,h,i)perylene	17.521	276	13805	3.00	ng	97

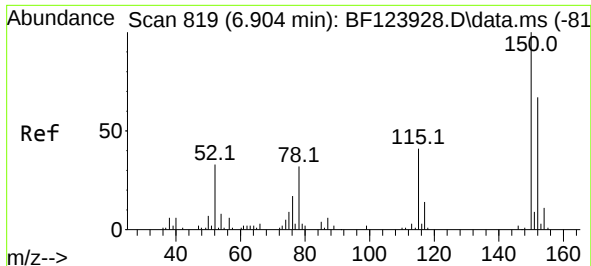
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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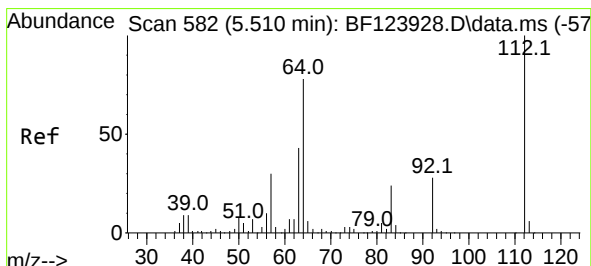
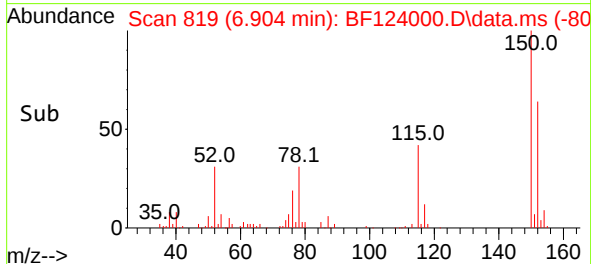
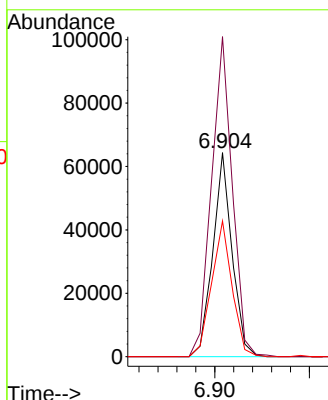
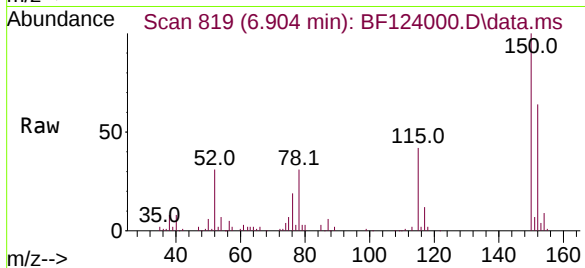




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

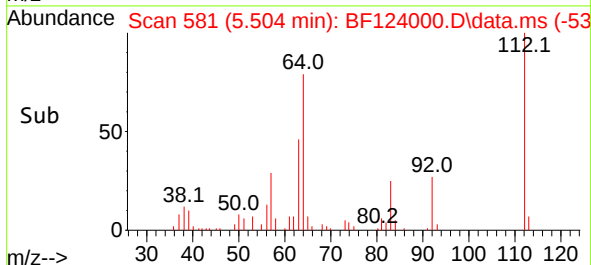
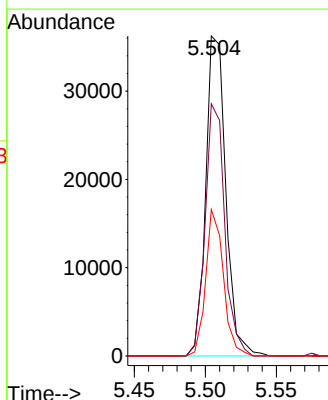
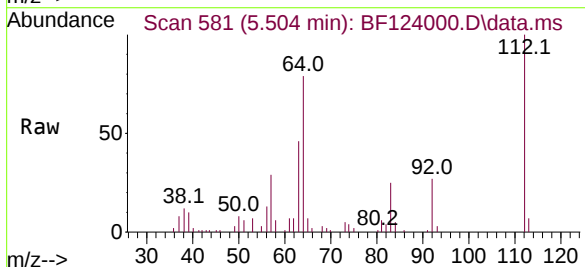
Instrument :
BNA_F
ClientSampleId :
PL-02-051821

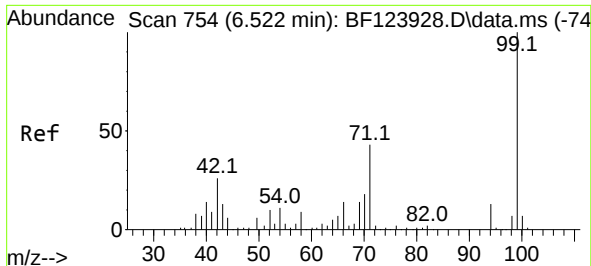
Tgt Ion:152 Resp: 45407
Ion Ratio Lower Upper
152 100
150 156.9 127.0 190.6
115 66.5 54.3 81.5



#5
2-Fluorophenol
Concen: 11.06 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

Tgt Ion:112 Resp: 35759
Ion Ratio Lower Upper
112 100
64 78.8 61.4 92.0
63 45.8 33.0 49.4

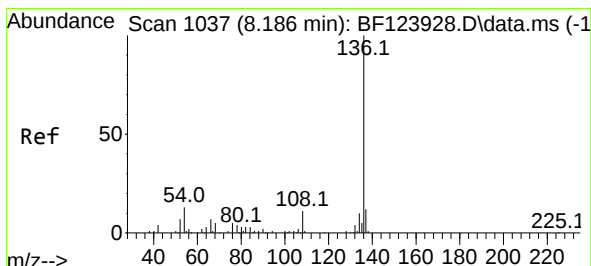
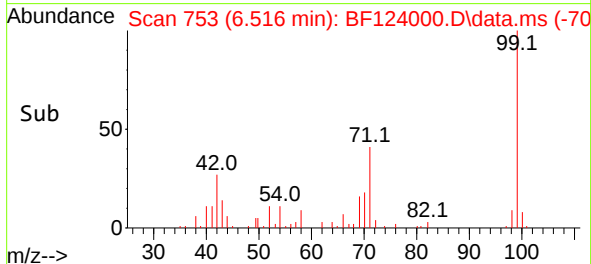
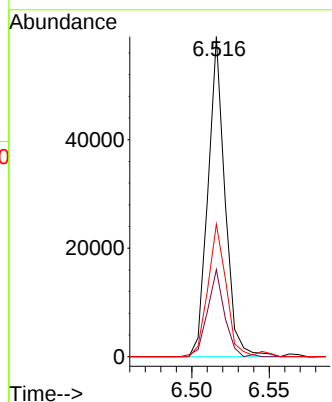
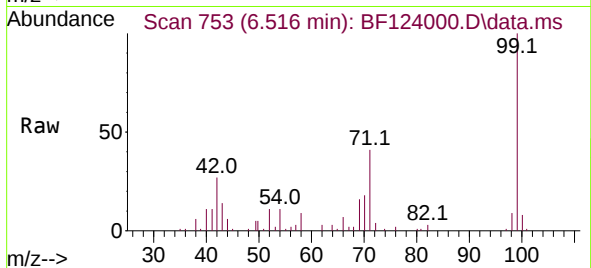




#7
Phenol-d6
Concen: 10.72 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

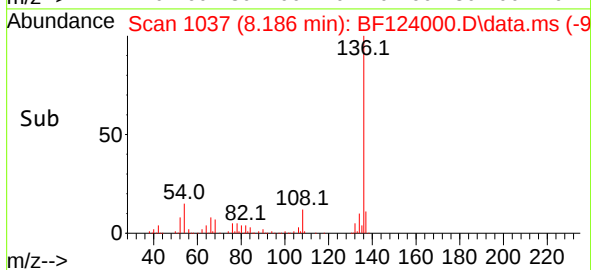
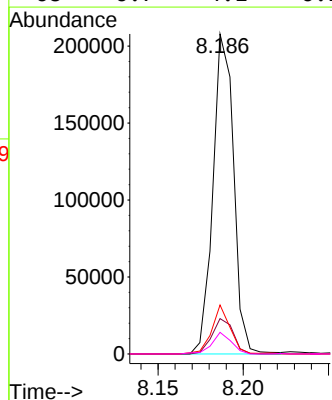
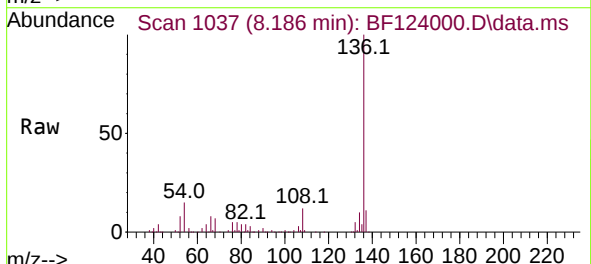
Instrument :
BNA_F
ClientSampleId :
PL-02-051821

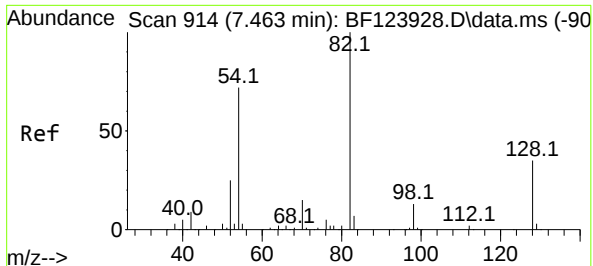
Tgt Ion:	99	Resp:	44957
Ion	Ratio	Lower	Upper
99	100		
42	27.2	19.8	29.8
71	41.4	31.1	46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

Tgt Ion:	136	Resp:	175657
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	15.3	9.8	14.6#
68	6.7	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 8.09 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF124000.D

Acq: 19 May 2021 20:37

Tgt Ion: 82 Resp: 32998

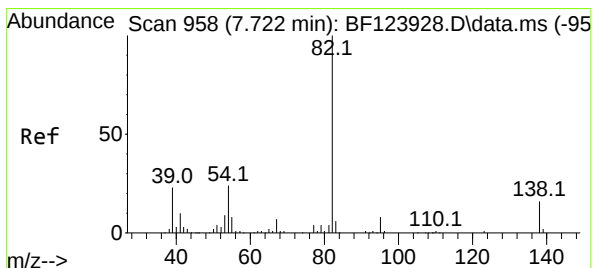
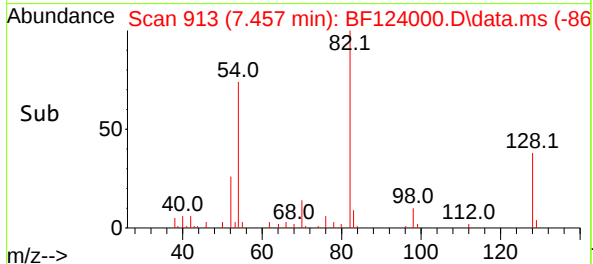
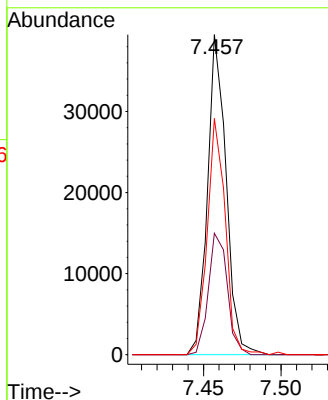
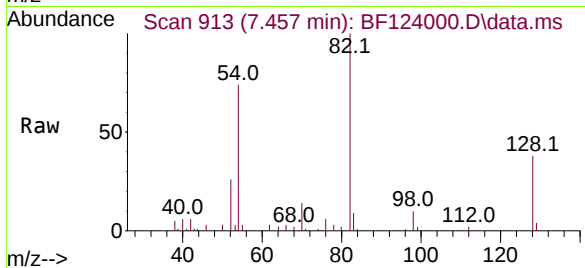
Ion	Ratio	Lower	Upper
82	100		
128	38.0	29.4	44.2
54	73.8	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

PL-02-051821



#25

Isophorone

Concen: 4.21 ng

RT: 7.457 min Scan# 913

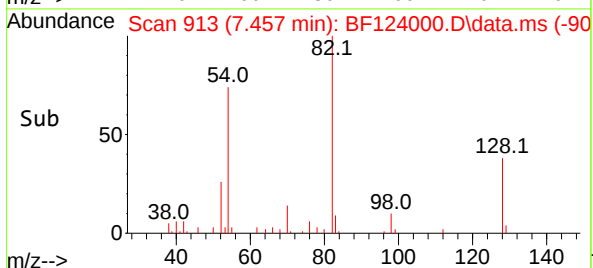
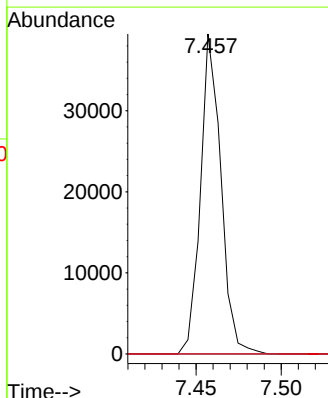
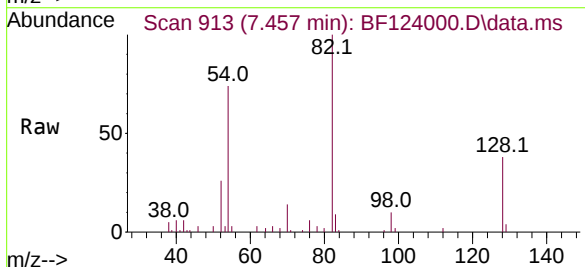
Delta R.T. -0.265 min

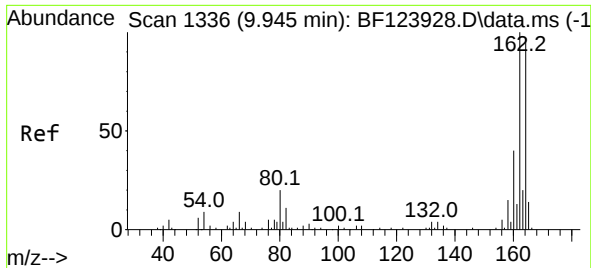
Lab File: BF124000.D

Acq: 19 May 2021 20:37

Tgt Ion: 82 Resp: 32997

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

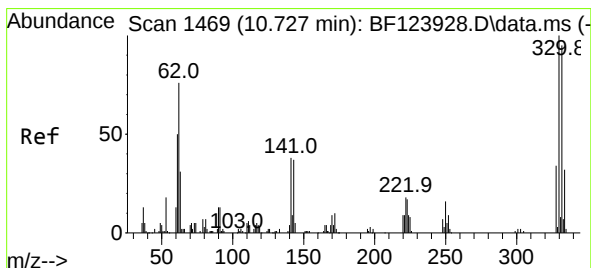
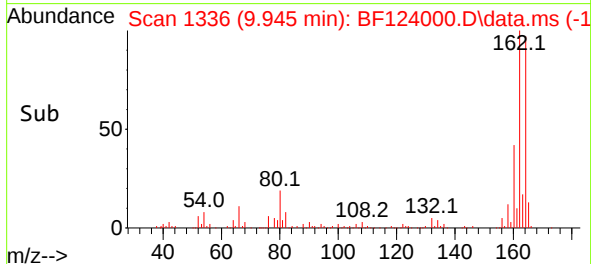
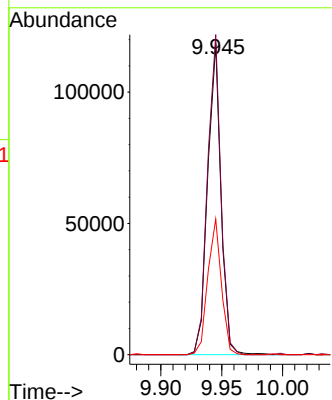
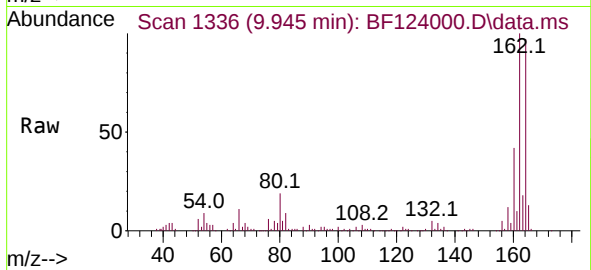




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

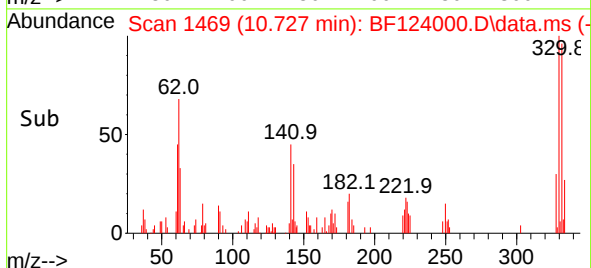
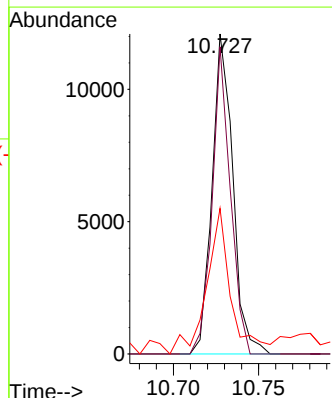
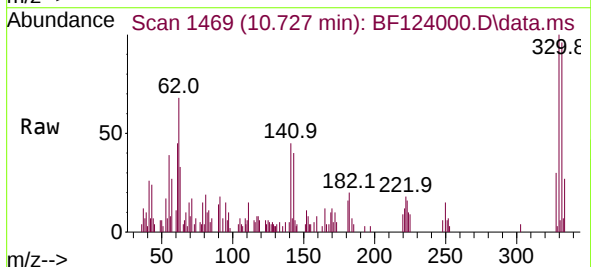
Instrument :
BNA_F
ClientSampleId :
PL-02-051821

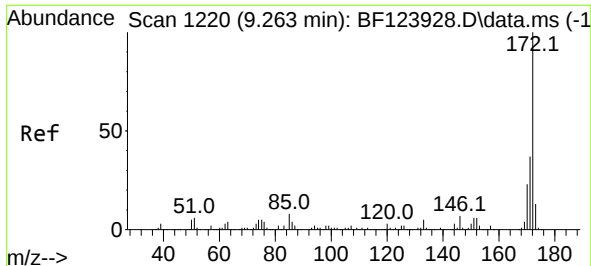
Tgt Ion:164 Resp: 89782
Ion Ratio Lower Upper
164 100
162 103.0 80.7 121.1
160 43.7 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 9.49 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

Tgt Ion:330 Resp: 10236
Ion Ratio Lower Upper
330 100
332 84.4 77.1 115.7
141 53.0 27.9 41.9#

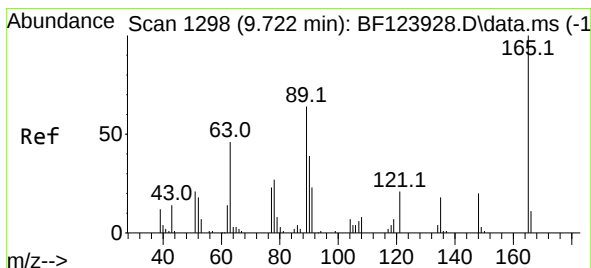
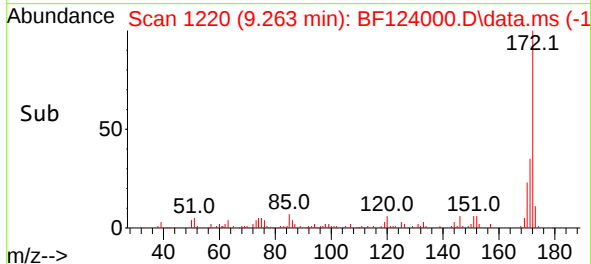
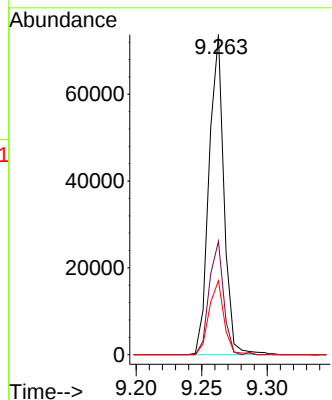
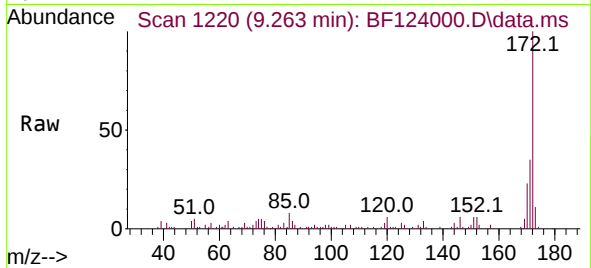




#45
2-Fluorobiphenyl
Concen: 8.01 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

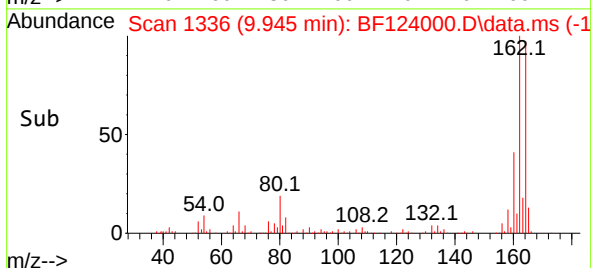
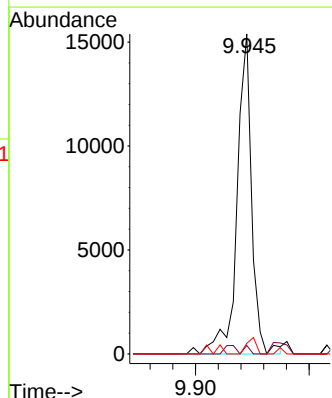
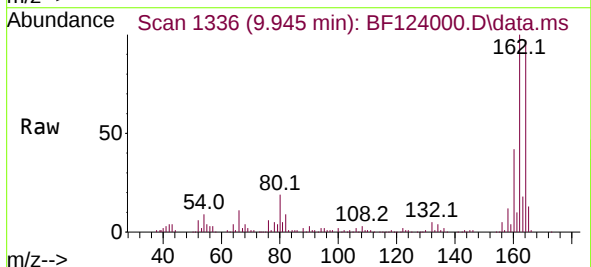
Instrument :
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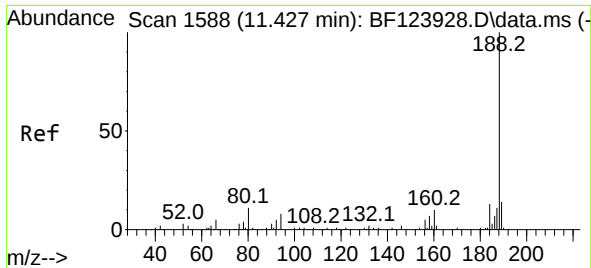
Tgt Ion:172 Resp: 58414
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.1 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 9.50 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.223 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

Tgt Ion:165 Resp: 13768
Ion Ratio Lower Upper
165 100
63 2.7 67.7 101.5#
89 3.3 58.8 88.2#

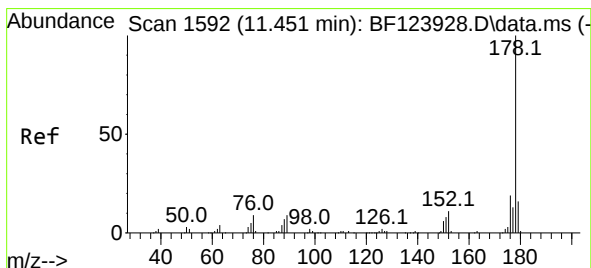
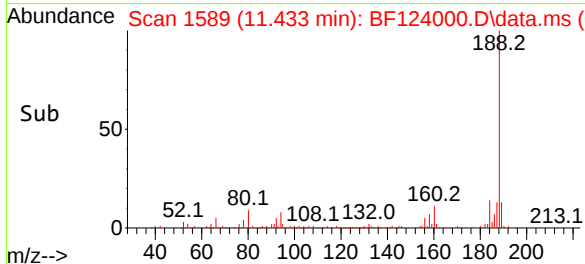
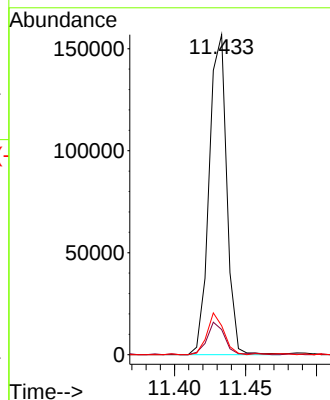
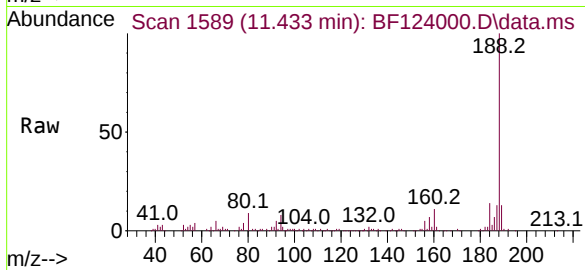




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

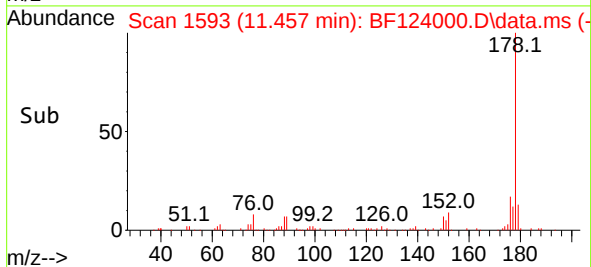
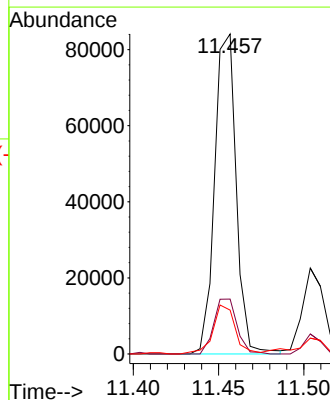
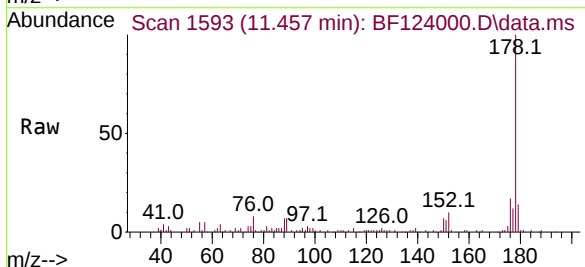
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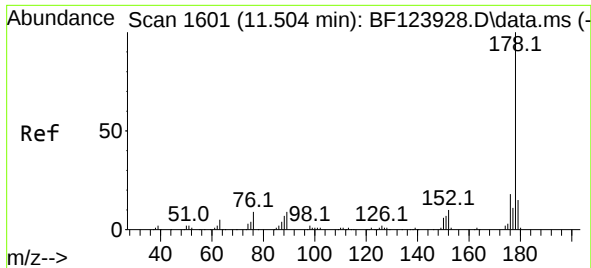
Tgt Ion:188 Resp: 135431
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 9.0 8.2 12.2



#71
Phenanthrene
Concen: 8.63 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.006 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

Tgt Ion:178 Resp: 74083
Ion Ratio Lower Upper
178 100
176 17.2 15.6 23.4
179 13.7 12.5 18.7

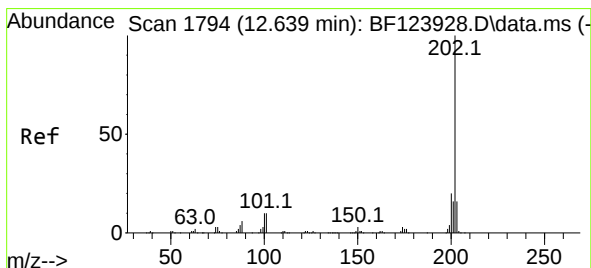
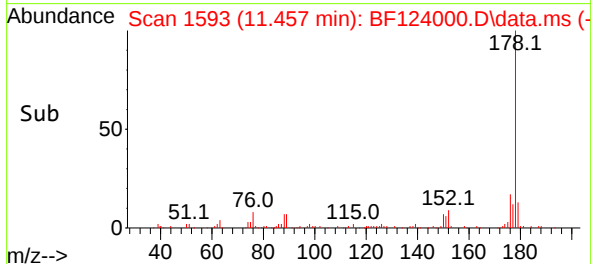
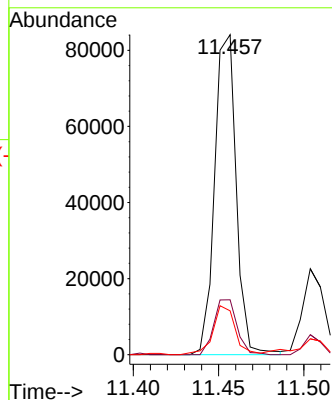
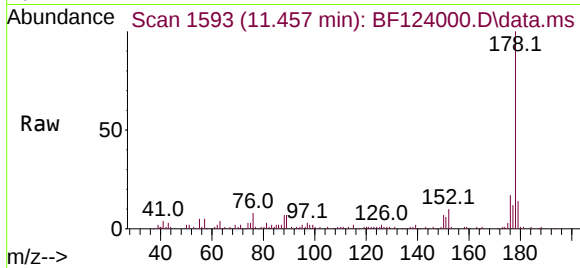




#72
 Anthracene
 Concen: 8.52 ng
 RT: 11.457 min Scan# 1593
 Delta R.T. -0.047 min
 Lab File: BF124000.D
 Acq: 19 May 2021 20:37

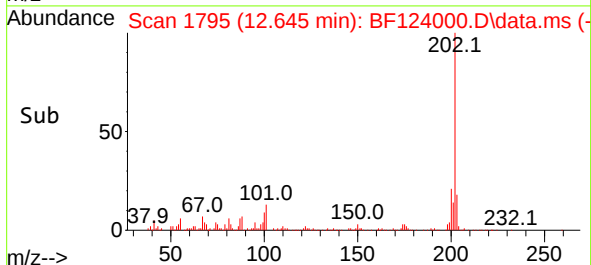
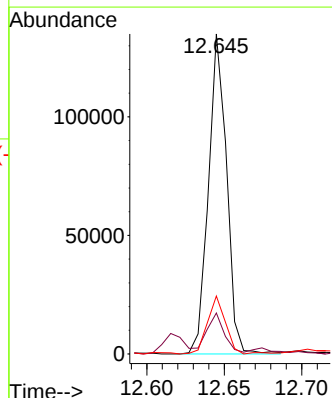
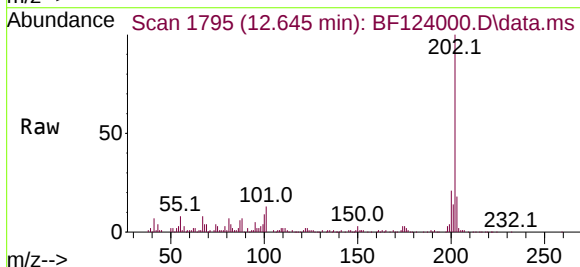
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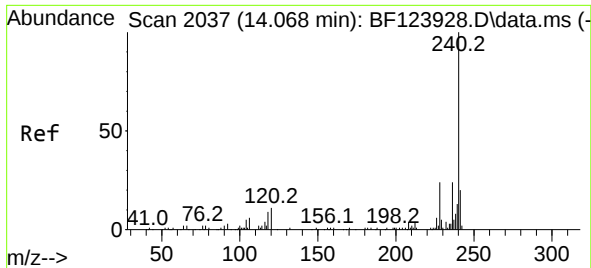
Tgt Ion:178 Resp: 74083
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.4 23.0
 179 13.7 12.6 18.8



#75
 Fluoranthene
 Concen: 12.41 ng
 RT: 12.645 min Scan# 1795
 Delta R.T. 0.006 min
 Lab File: BF124000.D
 Acq: 19 May 2021 20:37

Tgt Ion:202 Resp: 110255
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 30.9
 203 18.1 0.0 37.5

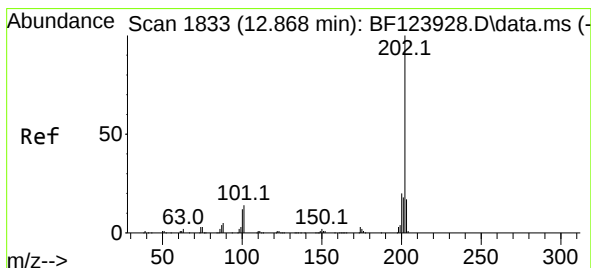
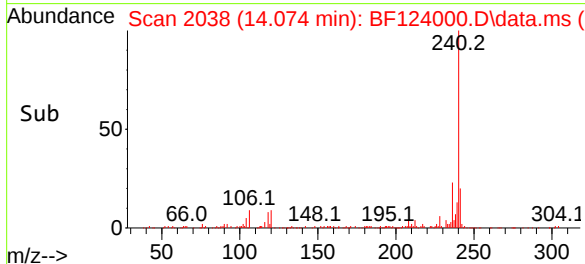
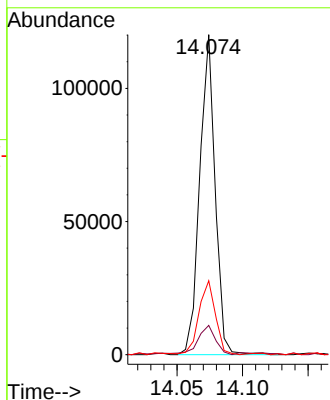
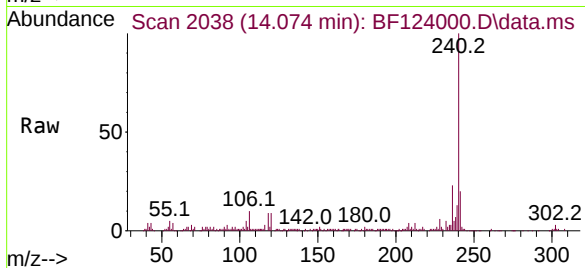




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

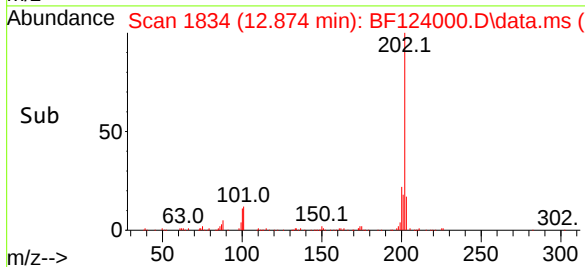
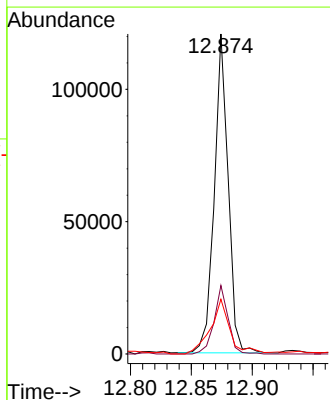
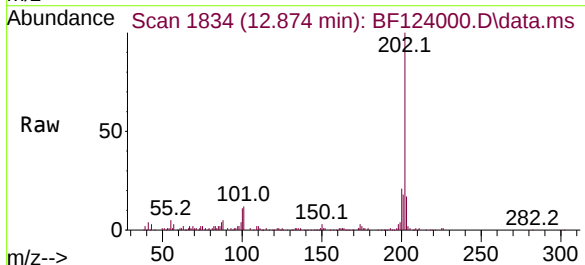
Instrument :
BNA_F
ClientSampleId :
PL-02-051821

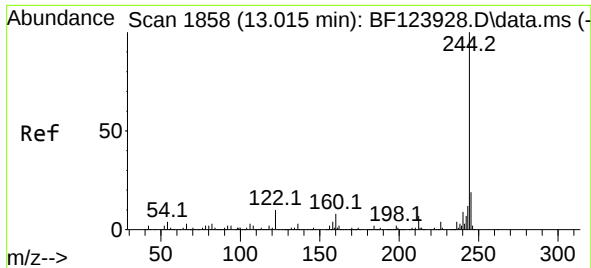
Tgt Ion:240	Resp:	98593
Ion Ratio	Lower	Upper
240	100	
120	9.1	7.2 10.8
236	23.1	19.0 28.4



#78
Pyrene
Concen: 10.89 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.006 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

Tgt Ion:202	Resp:	95302
Ion Ratio	Lower	Upper
202	100	
200	21.4	16.1 24.1
203	17.1	14.8 22.2

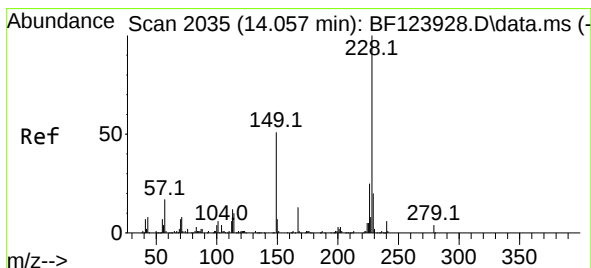
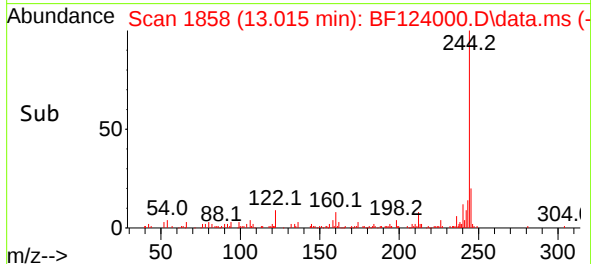
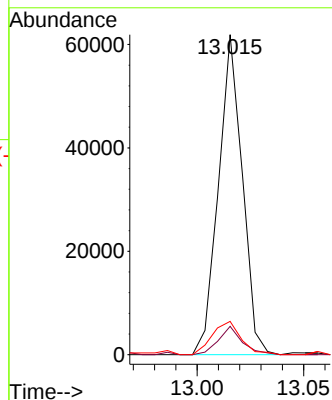
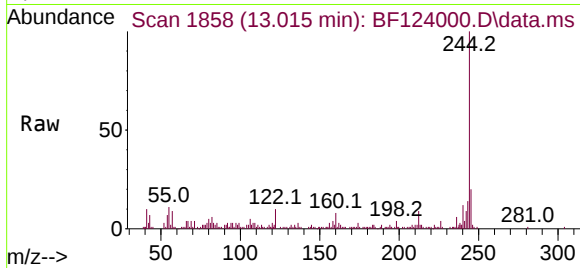




#79
Terphenyl-d14
Concen: 7.40 ng
RT: 13.015 min Scan# 1858
Delta R.T. -0.000 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

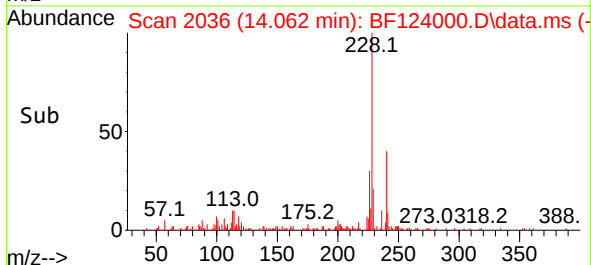
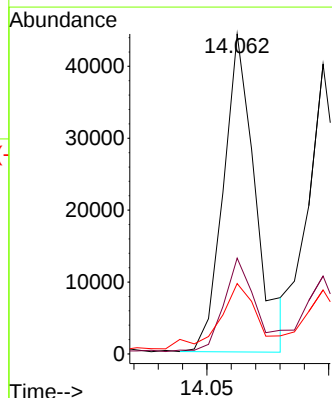
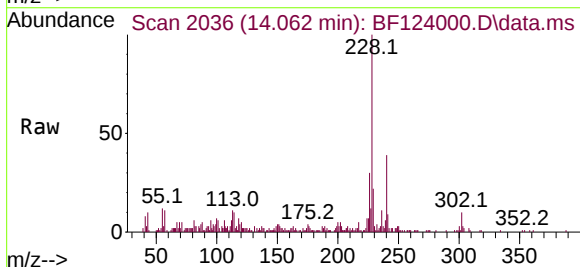
Instrument :
BNA_F
ClientSampleId :
PL-02-051821

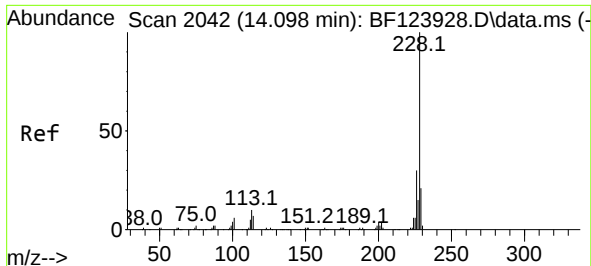
Tgt Ion:244 Resp: 48164
Ion Ratio Lower Upper
244 100
212 8.9 5.7 8.5#
122 10.4 9.7 14.5



#81
Benzo(a)anthracene
Concen: 5.65 ng
RT: 14.062 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

Tgt Ion:228 Resp: 40320
Ion Ratio Lower Upper
228 100
226 30.0 22.4 33.6
229 22.0 16.0 24.0

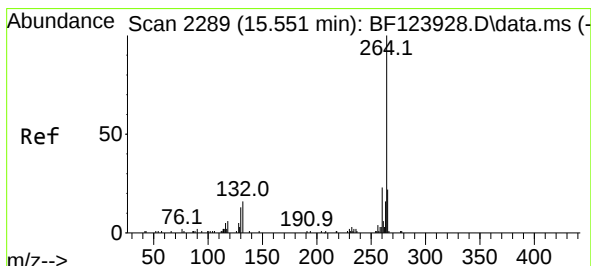
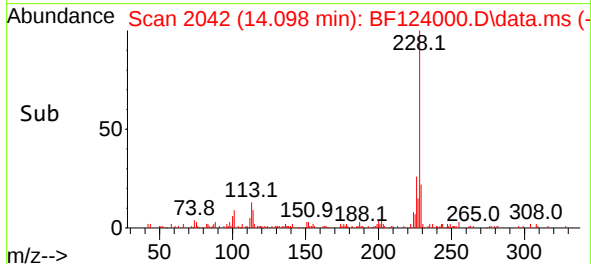
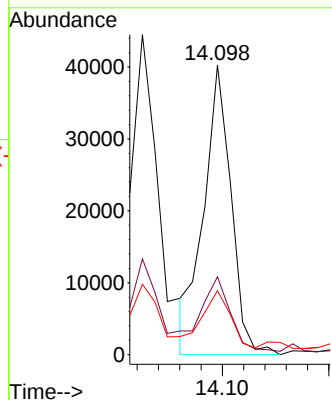
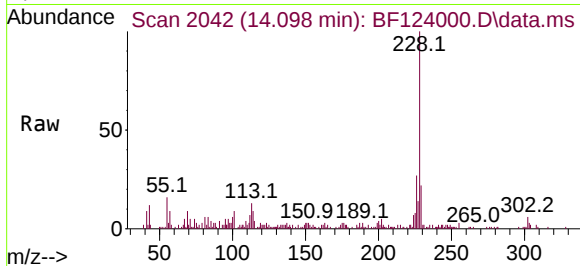




#83
Chrysene
Concen: 5.23 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

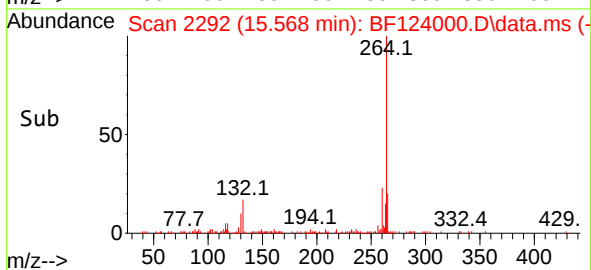
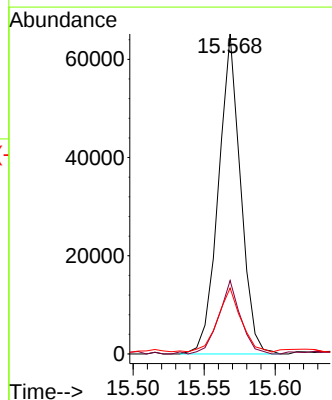
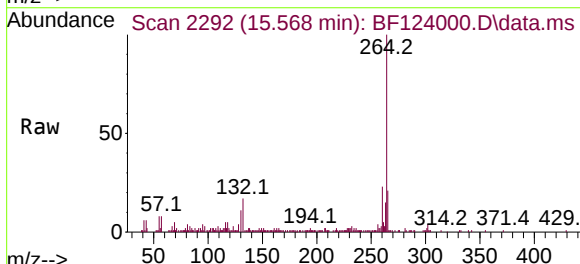
Instrument :
BNA_F
ClientSampleId :
PL-02-051821

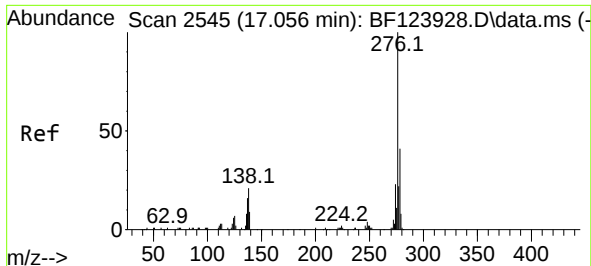
Tgt Ion:	228	Resp:	35880
Ion Ratio	Lower	Upper	
228	100		
226	26.9	24.3	36.5
229	22.1	16.2	24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

Tgt Ion:	264	Resp:	70554
Ion Ratio	Lower	Upper	
264	100		
260	22.9	18.7	28.1
265	20.6	17.8	26.8

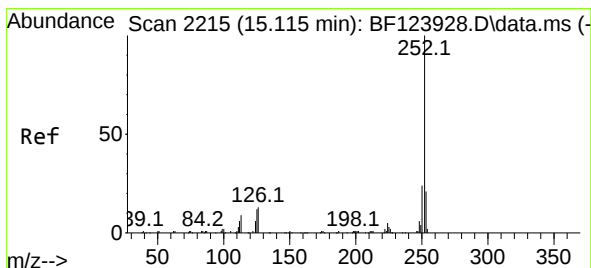
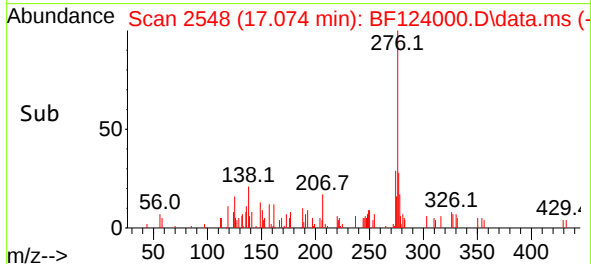
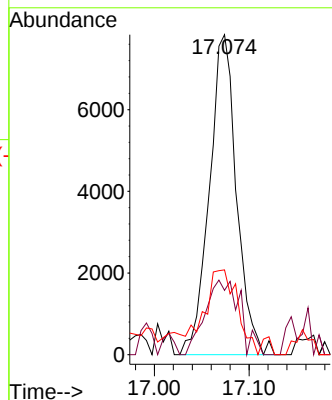
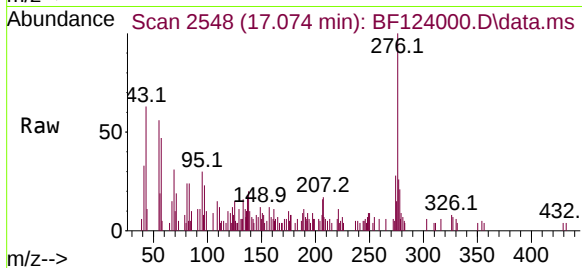




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.87 ng
RT: 17.074 min Scan# 2548
Delta R.T. 0.018 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

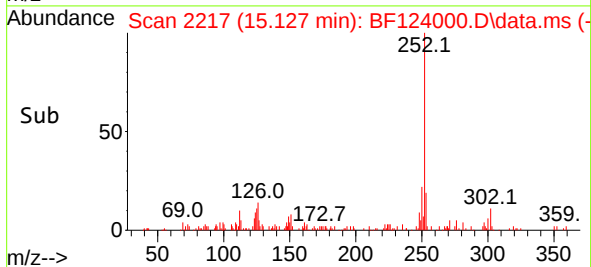
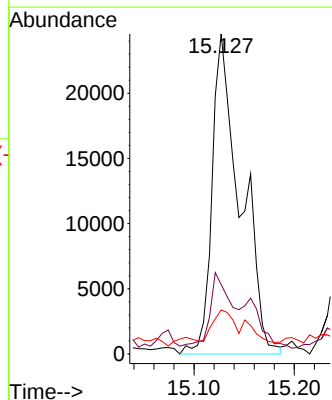
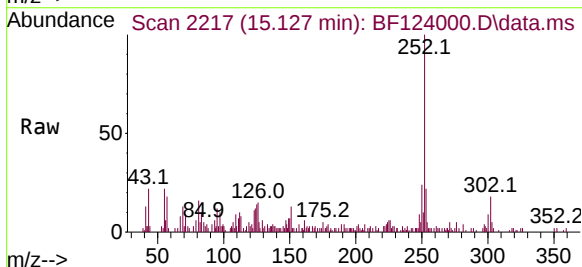
Instrument :
BNA_F
ClientSampleId :
PL-02-051821

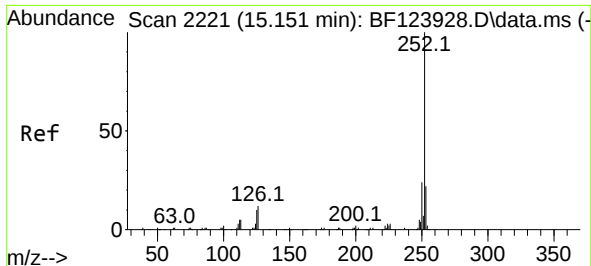
Tgt Ion:276 Resp: 15653
Ion Ratio Lower Upper
276 100
138 30.0 16.2 24.2#
277 32.2 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 8.83 ng
RT: 15.127 min Scan# 2217
Delta R.T. 0.012 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

Tgt Ion:252 Resp: 48218
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 13.8 6.2 9.4#

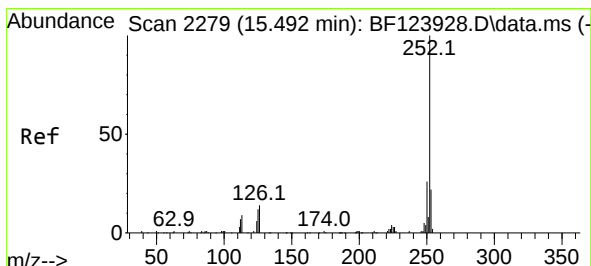
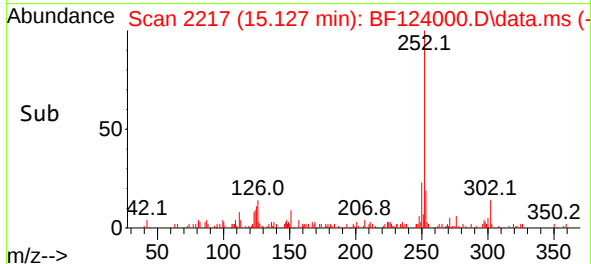
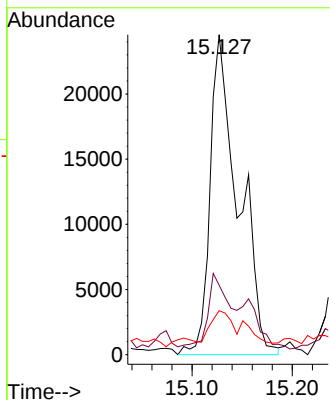
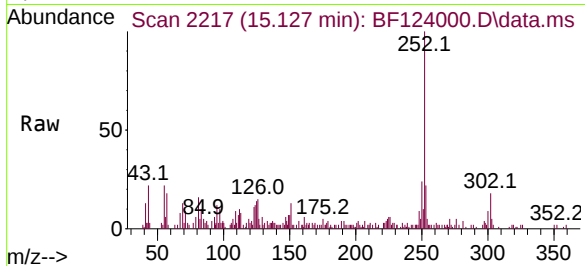




#89
Benzo(k)fluoranthene
Concen: 9.69 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.024 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

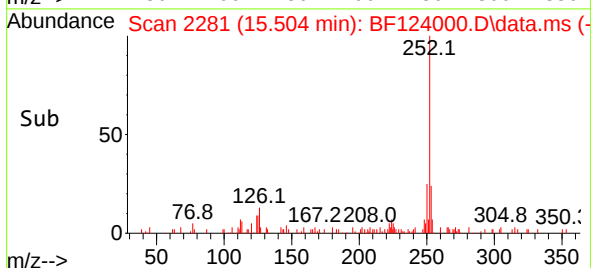
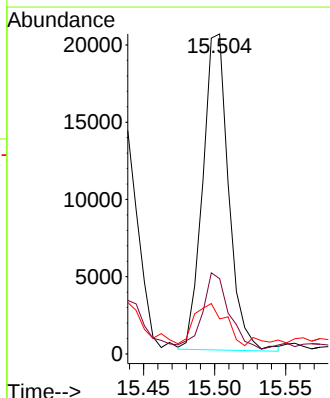
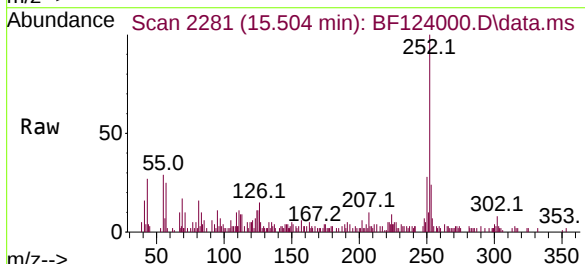
Instrument :
BNA_F
ClientSampleId :
PL-02-051821

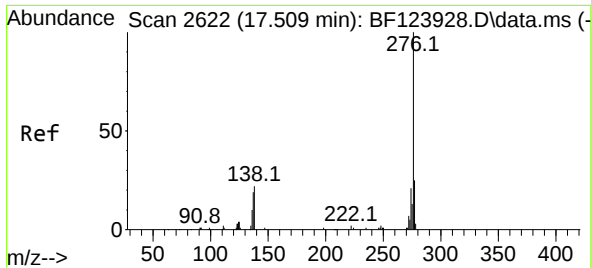
Tgt Ion:252 Resp: 48218
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 13.8 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 5.50 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

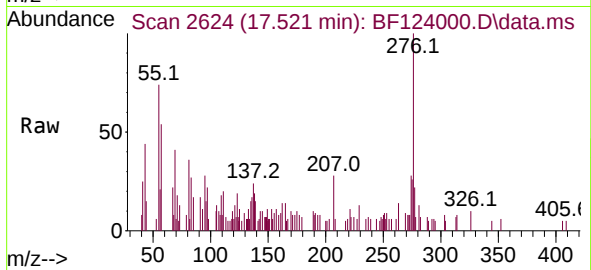
Tgt Ion:252 Resp: 25946
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 10.9 8.0 12.0





#92
Benzo(g,h,i)perylene
Concen: 3.00 ng
RT: 17.521 min Scan# 2624
Delta R.T. 0.012 min
Lab File: BF124000.D
Acq: 19 May 2021 20:37

Instrument :
BNA_F
ClientSampleId :
PL-02-051821



Tgt Ion:	276	Resp:	13805
Ion	Ratio	Lower	Upper
276	100		
277	22.1	18.2	27.2
138	19.2	13.8	20.6

