

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125994.D
 Acq On : 28 Oct 2021 17:57
 Operator : JU/CG
 Sample : M4336-02 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C1

Quant Time: Oct 29 10:41:26 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 28 12:01:54 2021
 Response via : Initial Calibration

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

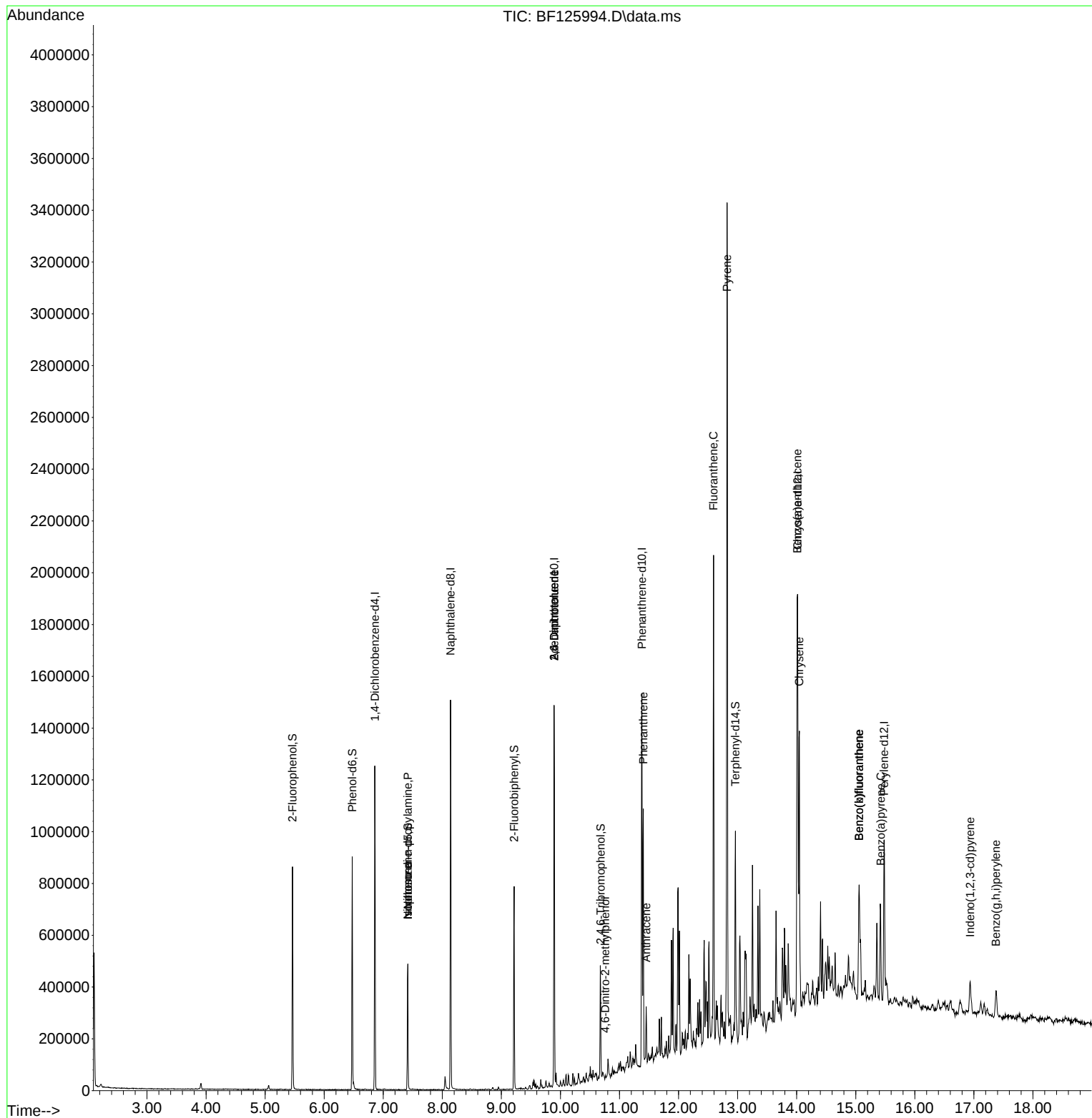
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	159652	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	584800	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	300974	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	548289	20.000	ng	0.00
76) Chrysene-d12	14.015	240	392889	20.000	ng	0.00
86) Perylene-d12	15.480	264	280018	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	193911	18.092	ng	-0.01
7) Phenol-d6	6.475	99	238663	16.234	ng	-0.01
23) Nitrobenzene-d5	7.416	82	136356	12.044	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	40268	15.348	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	220502	12.956	ng	0.00
79) Terphenyl-d14	12.963	244	245216	10.209	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	17412	2.073	ng	# 63
25) Isophorone	7.416	82	136353	6.324	ng	# 59
51) 2,6-Dinitrotoluene	9.892	165	39239	10.671	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	39239	8.687	ng	# 20
58) Fluorene	10.439	166	8876	Below Cal		# 96
65) 4,6-Dinitro-2-methylph...	10.757	198	515	6.252	ng	# 1
71) Phenanthrene	11.404	178	361899	12.720	ng	97
72) Anthracene	11.451	178	77800	2.739	ng	98
75) Fluoranthene	12.592	202	661875	23.078	ng	98
78) Pyrene	12.821	202	1380165	37.748	ng	96
81) Benzo(a)anthracene	14.010	228	474491	17.944	ng	99
83) Chrysene	14.045	228	453203	16.939	ng	99
87) Indeno(1,2,3-cd)pyrene	16.939	276	86406	4.283	ng	94
88) Benzo(b)fluoranthene	15.057	252	340582	18.427	ng	99
89) Benzo(k)fluoranthene	15.057	252	340582	19.184	ng	# 97
90) Benzo(a)pyrene	15.421	252	190630	12.776	ng	98
92) Benzo(g,h,i)perylene	17.374	276	81238	4.758	ng	94

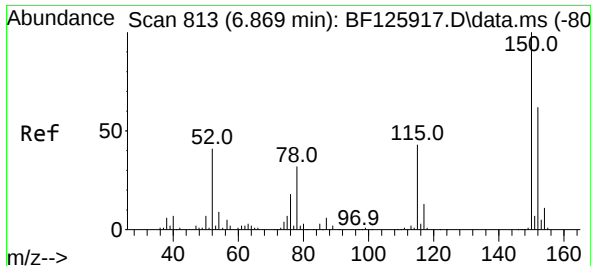
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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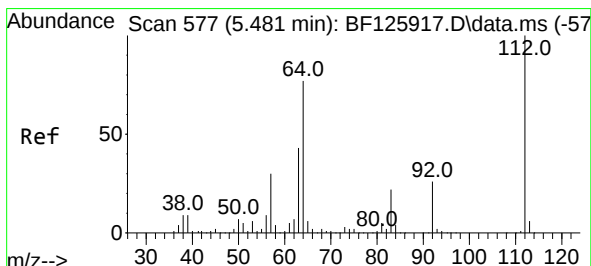
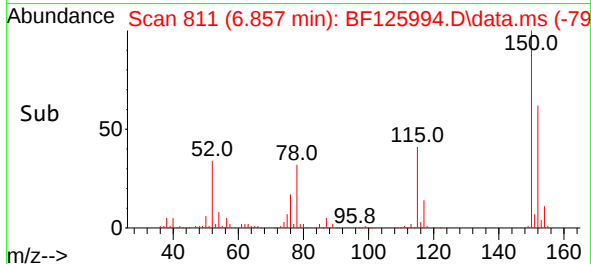
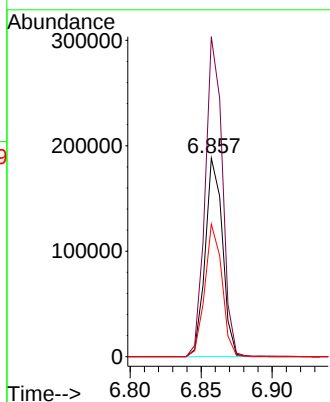
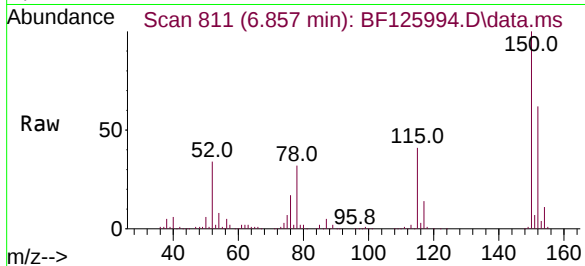




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

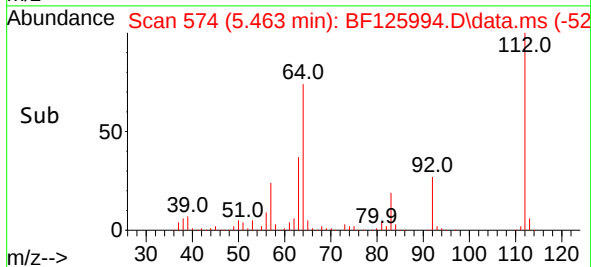
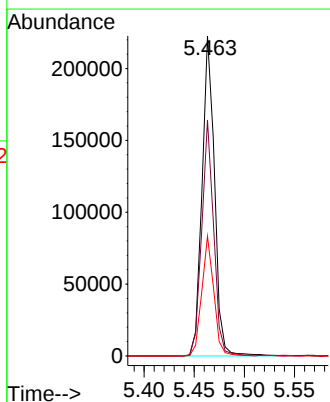
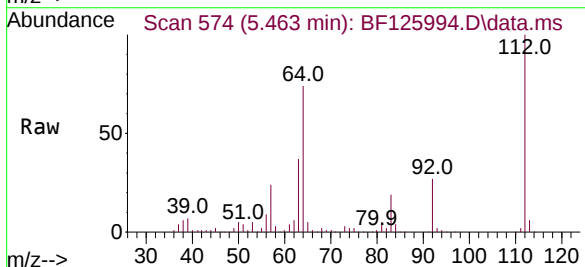
Instrument :
BNA_F
ClientSampled :
C1

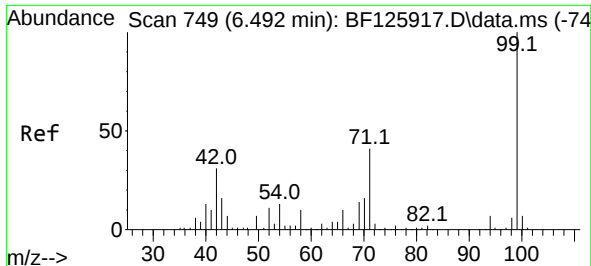
Tgt Ion:152 Resp: 159652
Ion Ratio Lower Upper
152 100
150 161.1 117.6 176.4
115 66.8 47.1 70.7



#5
2-Fluorophenol
Concen: 18.092 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.012 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion:112 Resp: 193911
Ion Ratio Lower Upper
112 100
64 73.7 44.2 66.2#
63 37.4 26.2 39.2

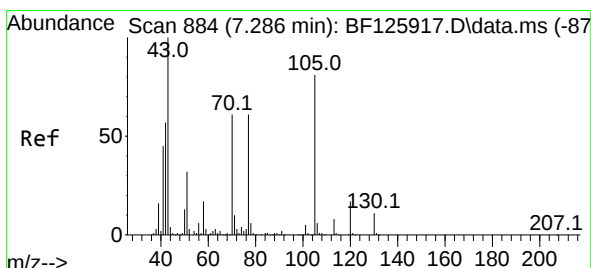
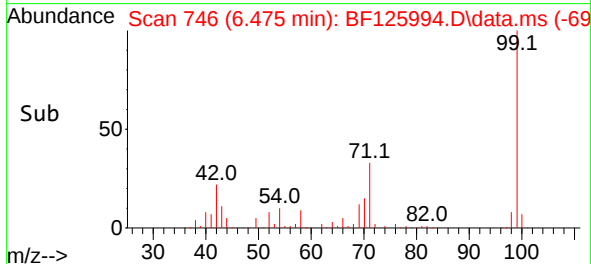
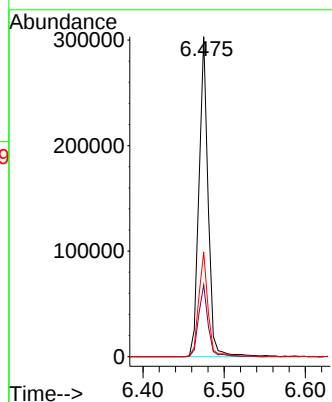
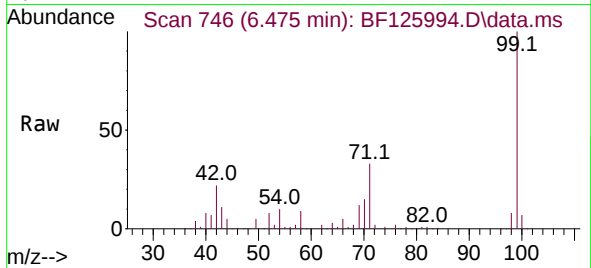




#7
Phenol-d6
Concen: 16.234 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

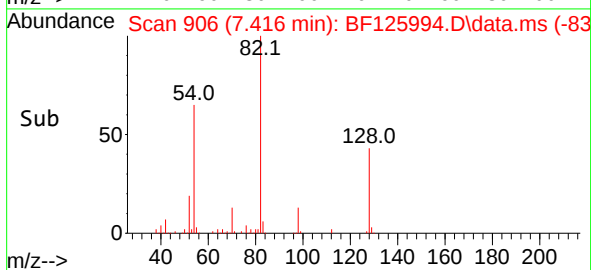
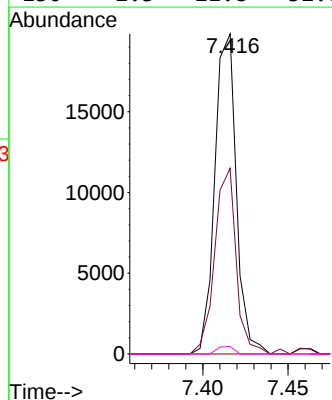
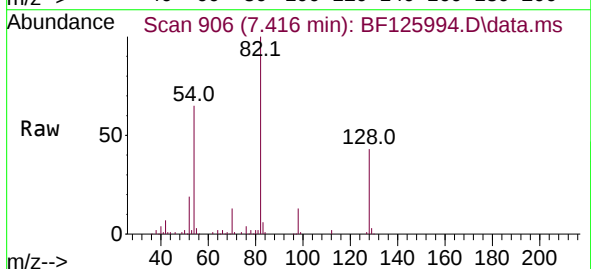
Instrument :
BNA_F
ClientSampled :
C1

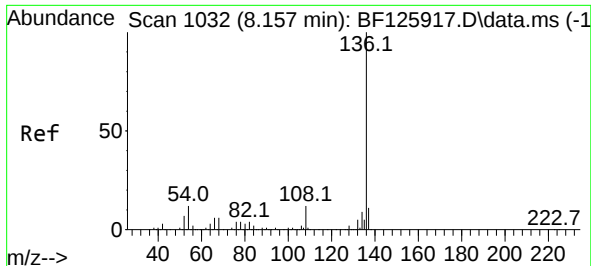
Tgt Ion: 99 Resp: 238663
Ion Ratio Lower Upper
99 100
42 22.4 23.5 35.3#
71 32.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.073 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

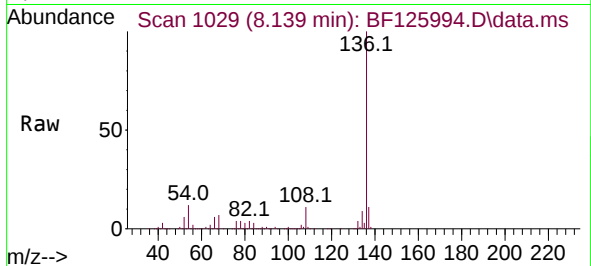
Tgt Ion: 70 Resp: 17412
Ion Ratio Lower Upper
70 100
42 58.0 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#



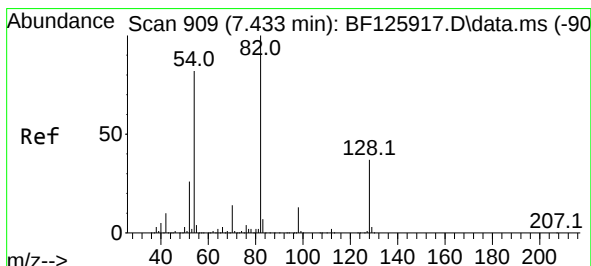
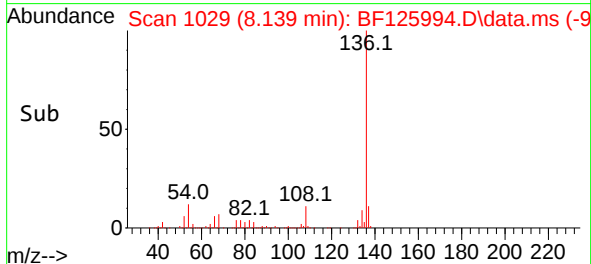
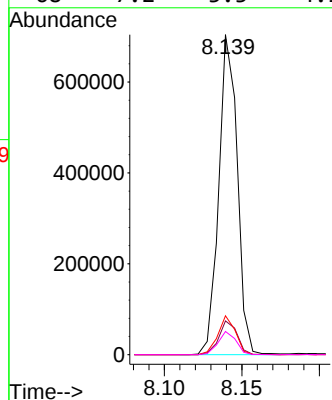


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Instrument :
BNA_F
ClientSampled :
C1

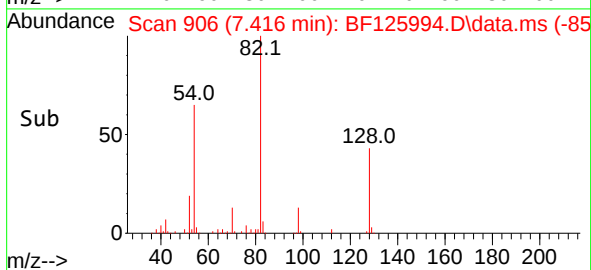
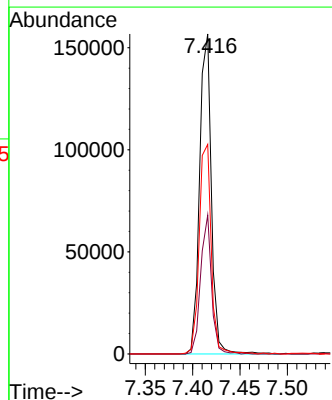
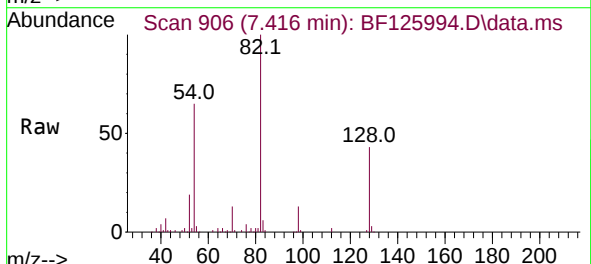


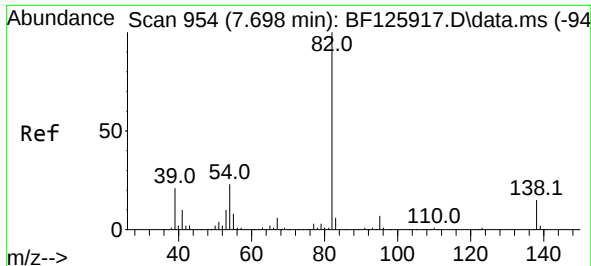
Tgt Ion:136 Resp: 584800
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 12.1 6.4 9.6#
68 7.2 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 12.044 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion: 82 Resp: 136356
Ion Ratio Lower Upper
82 100
128 43.4 40.6 60.8
54 65.5 49.6 74.4

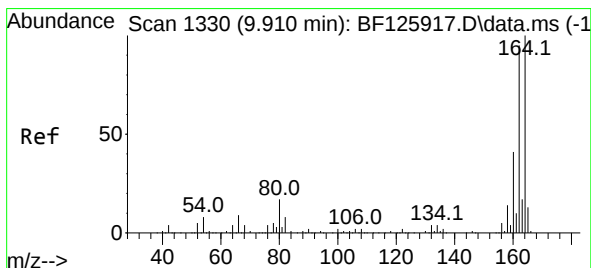
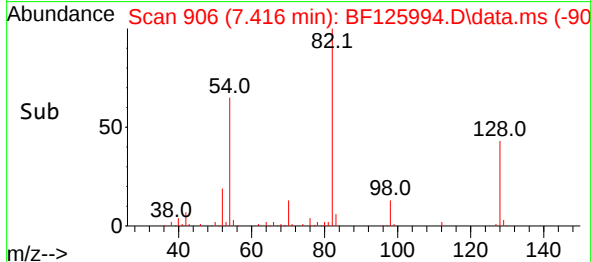
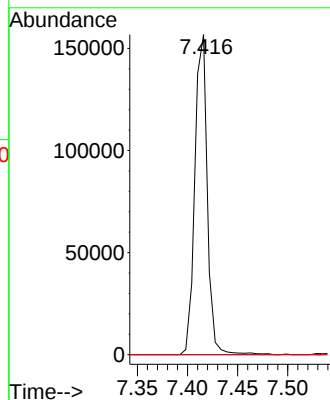
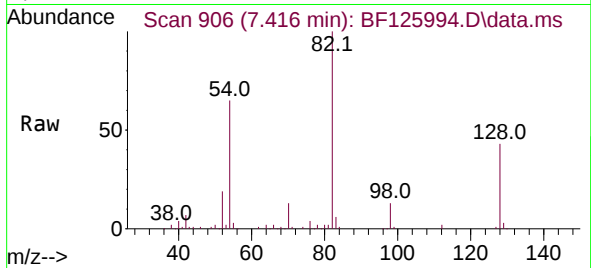




#25
Isophorone
Concen: 6.324 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.271 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

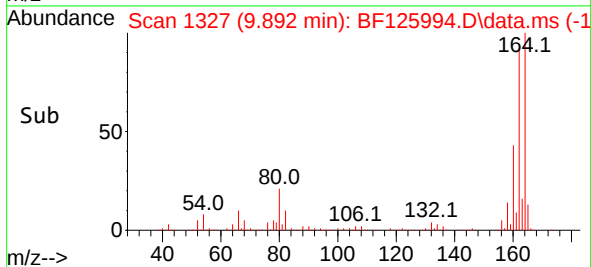
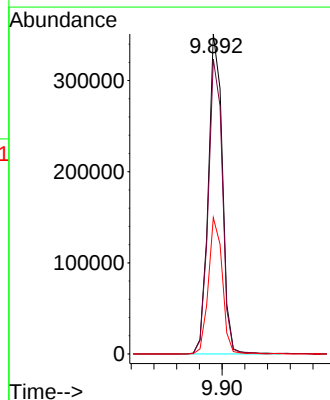
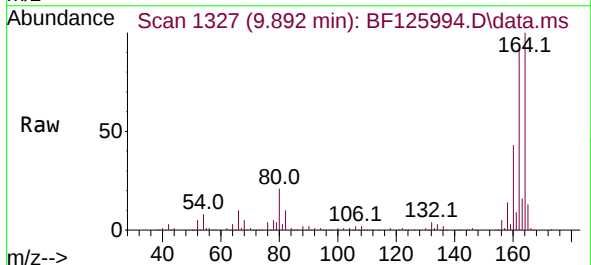
Instrument :
BNA_F
ClientSampled :
C1

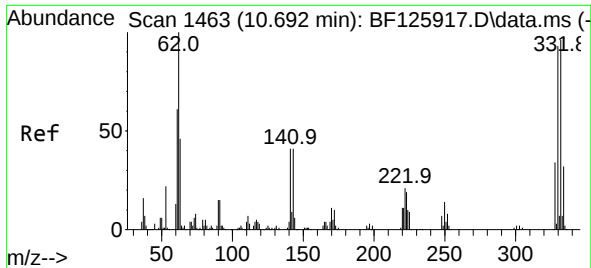
Tgt Ion: 82 Resp: 136353
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion: 164 Resp: 300974
Ion Ratio Lower Upper
164 100
162 92.2 81.3 121.9
160 42.6 38.0 57.0

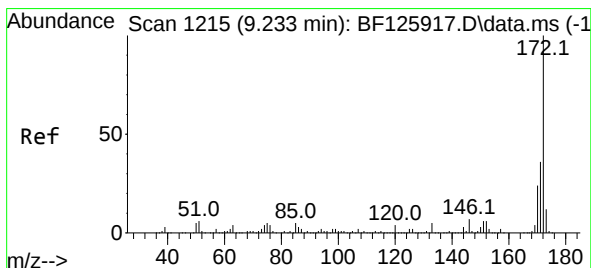
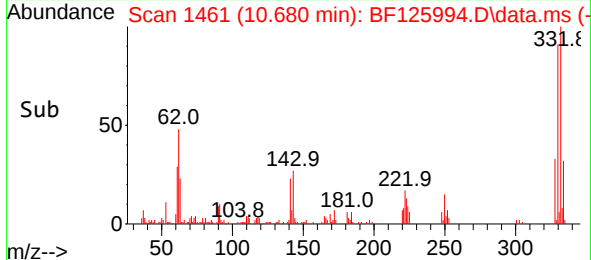
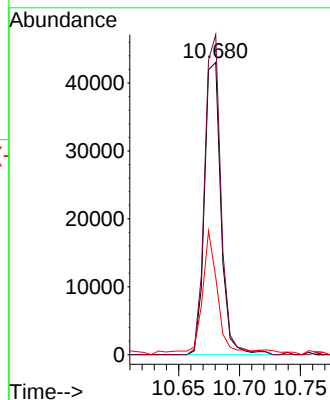
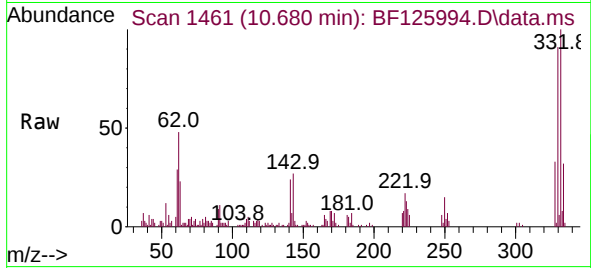




#42
2,4,6-Tribromophenol
Concen: 15.348 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

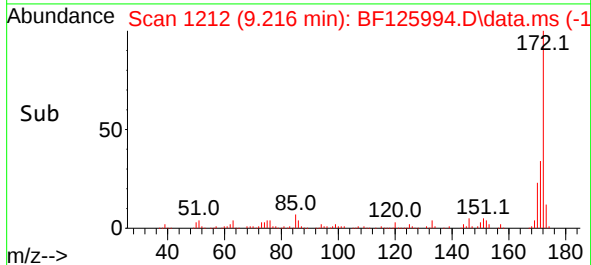
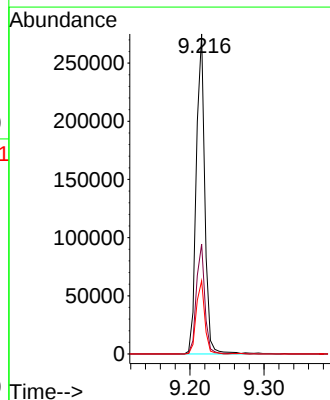
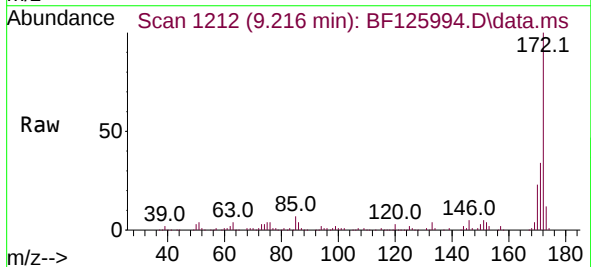
Instrument :
BNA_F
ClientSampled :
C1

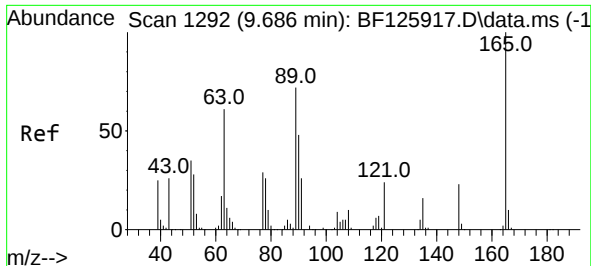
Tgt Ion:330 Resp: 40268
Ion Ratio Lower Upper
330 100
332 109.0 76.2 114.4
141 40.7 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 12.956 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion:172 Resp: 220502
Ion Ratio Lower Upper
172 100
171 34.4 26.5 39.7
170 22.9 18.8 28.2

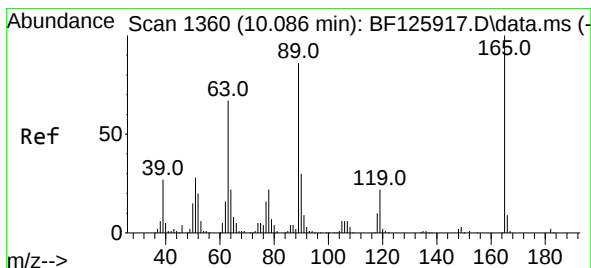
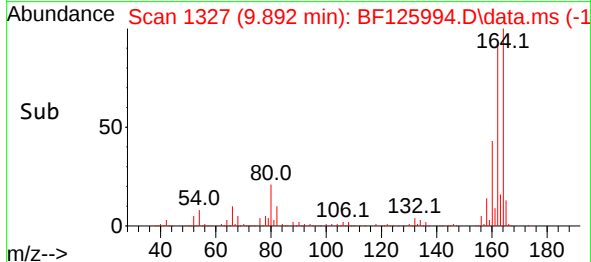
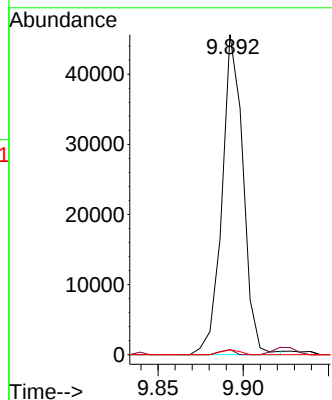
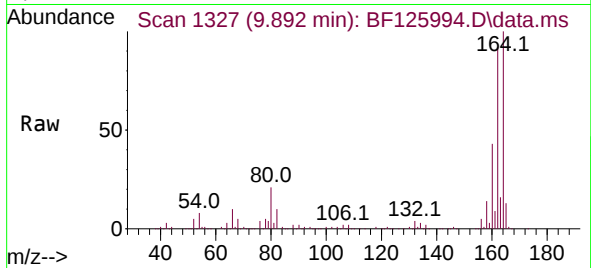




#51
2,6-Dinitrotoluene
Concen: 10.671 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

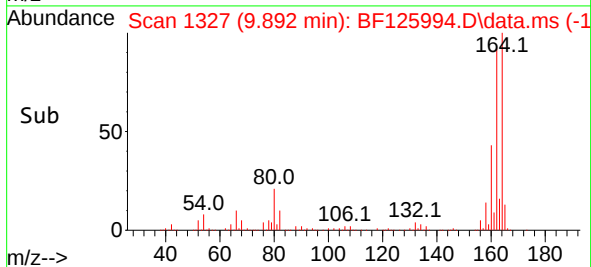
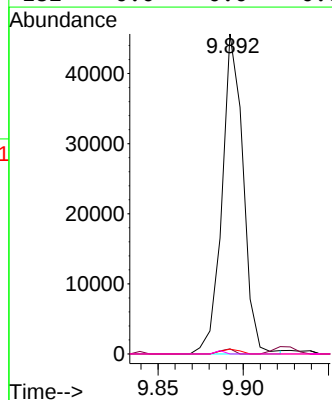
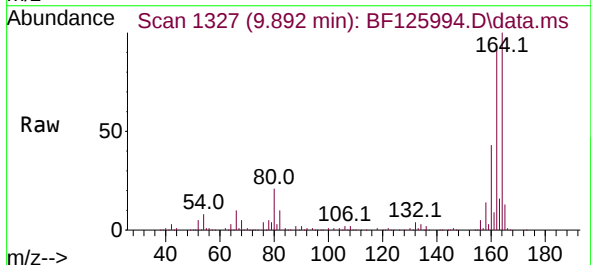
Instrument :
BNA_F
ClientSampled :
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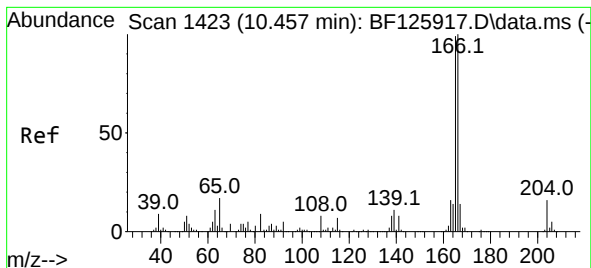
Tgt Ion:165 Resp: 39239
Ion Ratio Lower Upper
165 100
63 1.6 42.6 63.8#
89 1.5 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 8.687 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.188 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion:165 Resp: 39239
Ion Ratio Lower Upper
165 100
63 1.6 40.9 61.3#
89 1.5 59.7 89.5#
182 0.0 0.0 0.0

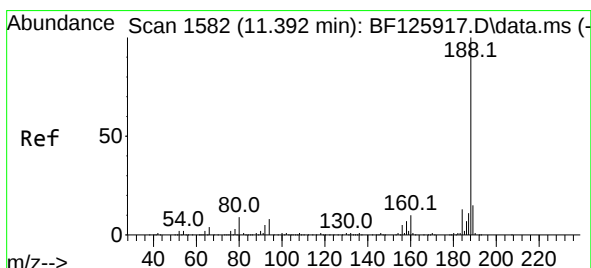
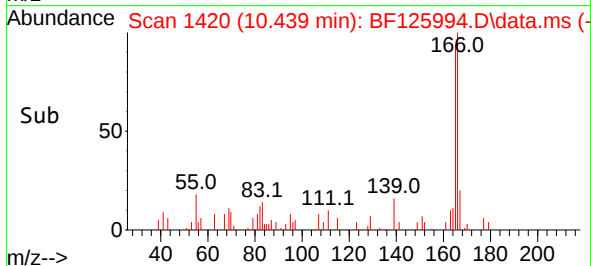
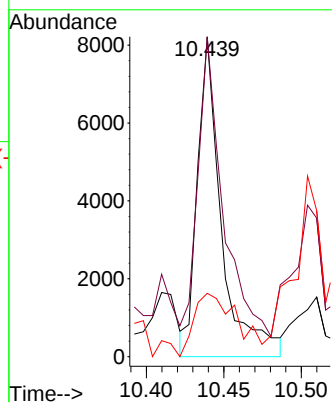
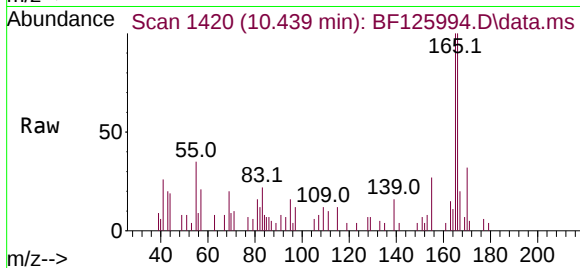




#58
Fluorene
Concen: Below Cal
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

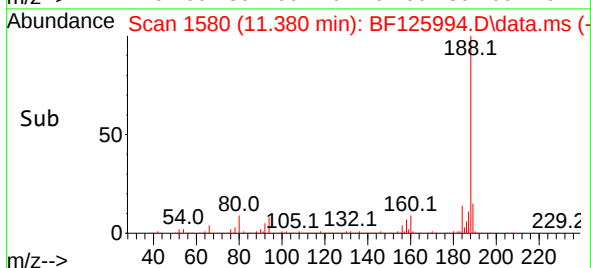
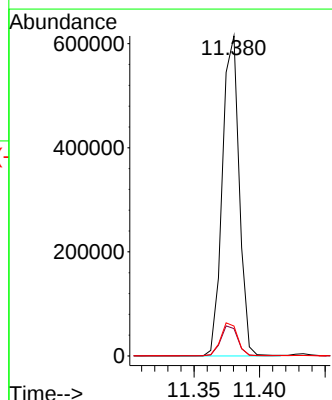
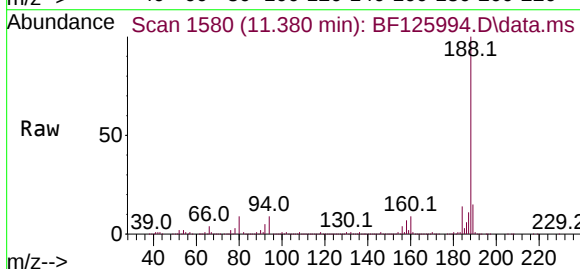
Instrument :
BNA_F
ClientSampled :
C1

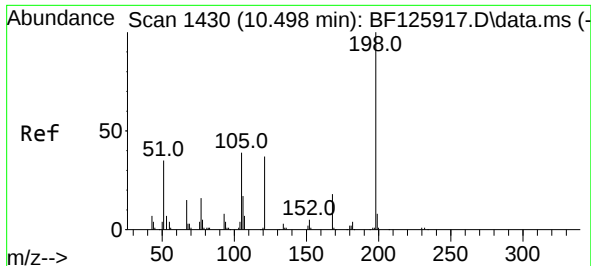
Tgt Ion:166 Resp: 8876
Ion Ratio Lower Upper
166 100
165 100.1 78.1 117.1
167 19.8 11.1 16.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion:188 Resp: 548289
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.4 7.5 11.3

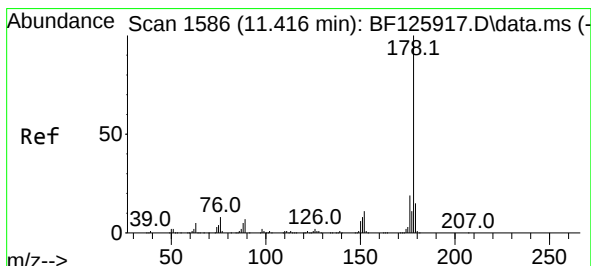
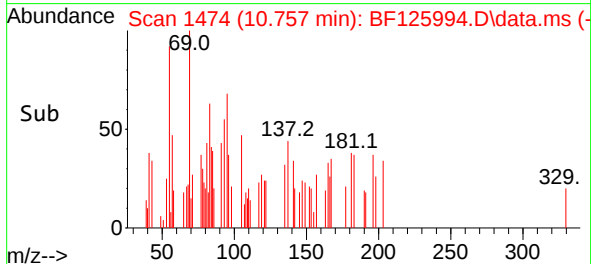
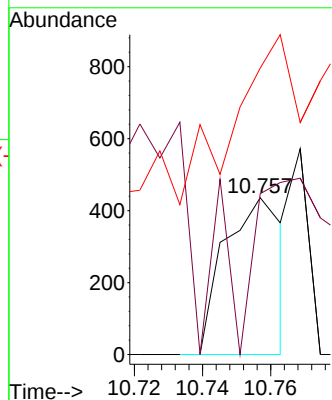
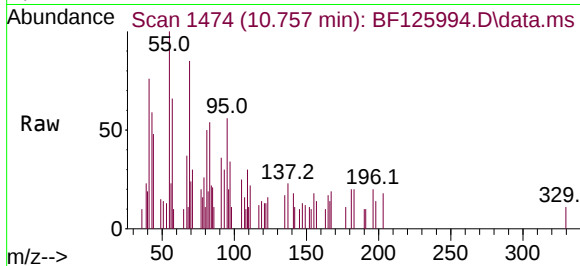




#65
4,6-Dinitro-2-methylphenol
Concen: 6.252 ng
RT: 10.757 min Scan# 1474
Delta R.T. 0.271 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

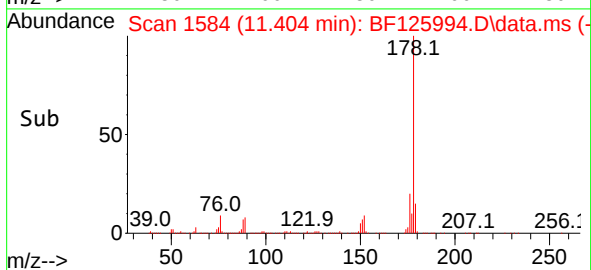
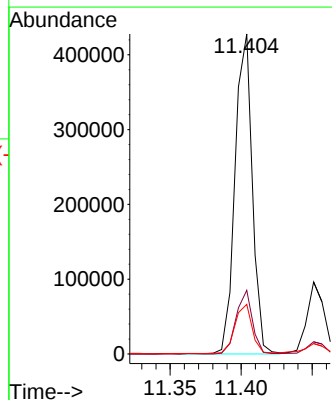
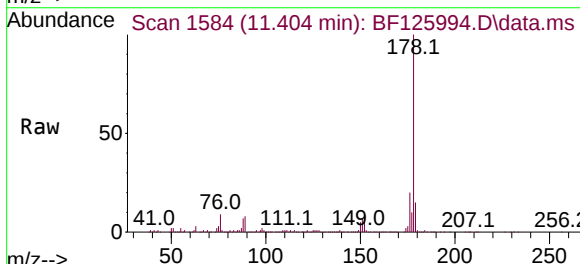
Instrument :
BNA_F
ClientSampled :
C1

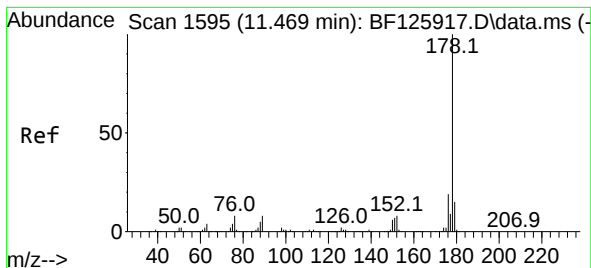
Tgt Ion:198 Resp: 515
Ion Ratio Lower Upper
198 100
51 102.5 45.3 85.3#
105 182.6 30.6 70.6#



#71
Phenanthrene
Concen: 12.720 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion:178 Resp: 361899
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 15.5 11.5 17.3





#72

Anthracene

Concen: 2.739 ng

RT: 11.451 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF125994.D

Acq: 28 Oct 2021 17:57

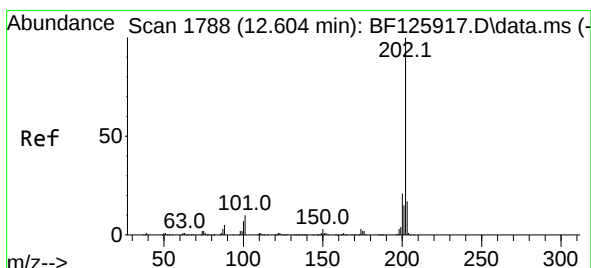
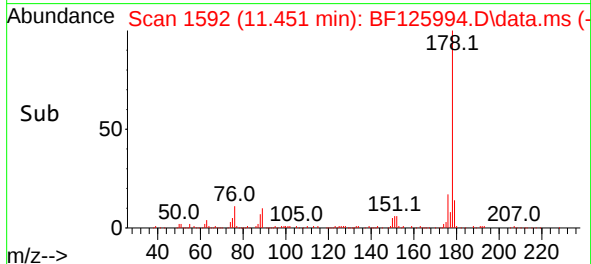
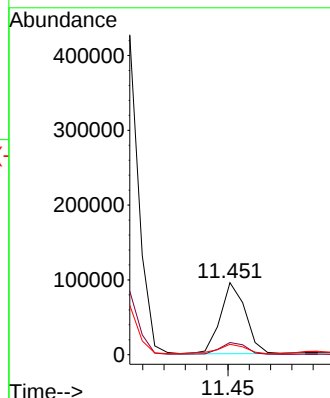
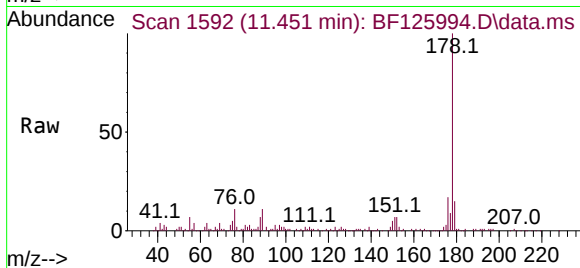
Instrument :

BNA_F

ClientSampled :

C1

Tgt Ion:178	Resp:	77800
Ion Ratio	Lower	Upper
178	100	
176	16.8	14.3 21.5
179	14.6	12.2 18.4



#75

Fluoranthene

Concen: 23.078 ng

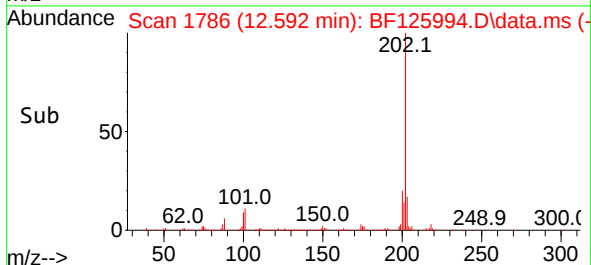
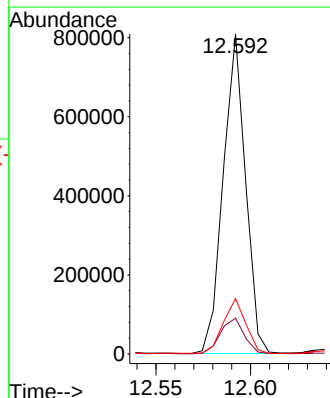
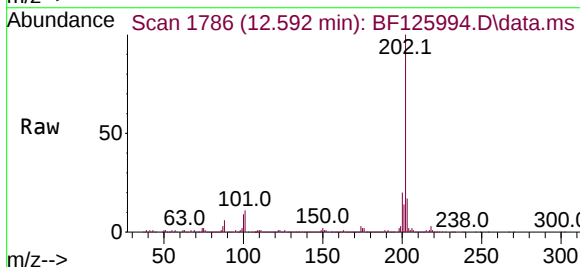
RT: 12.592 min Scan# 1786

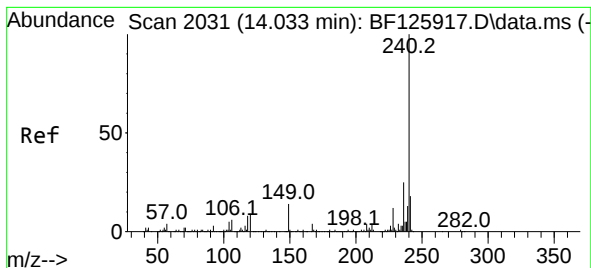
Delta R.T. -0.000 min

Lab File: BF125994.D

Acq: 28 Oct 2021 17:57

Tgt Ion:202	Resp:	661875
Ion Ratio	Lower	Upper
202	100	
101	11.2	0.0 30.7
203	17.3	0.0 36.3

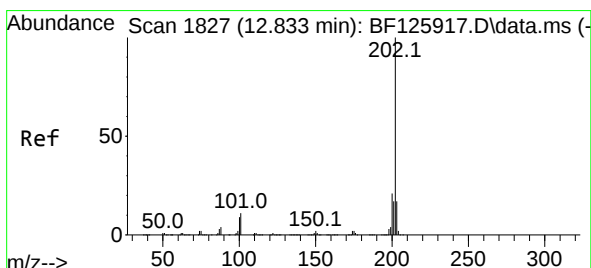
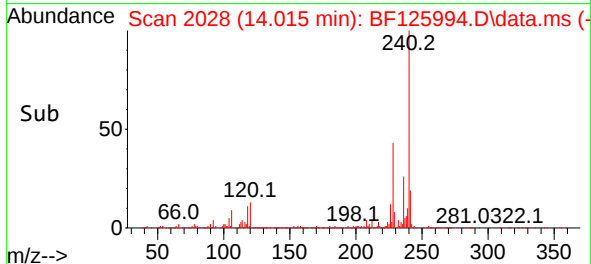
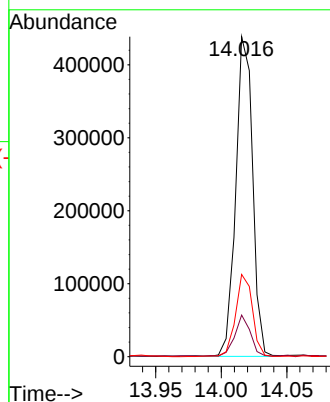
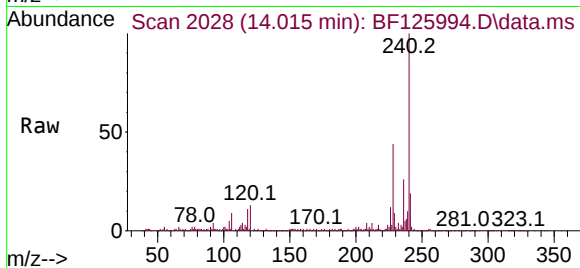




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

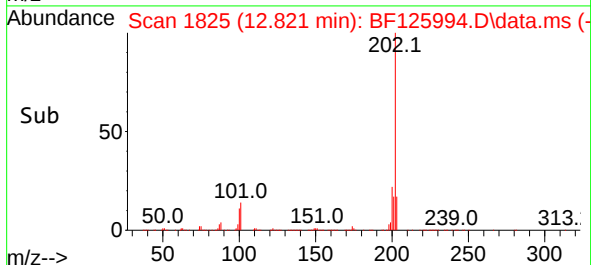
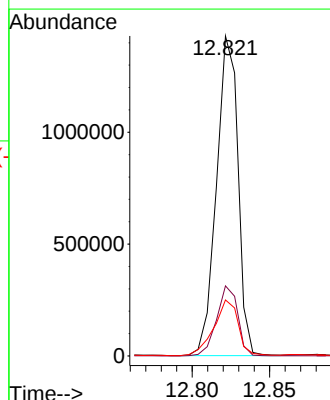
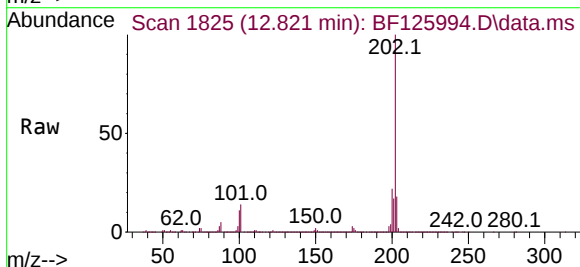
Instrument :
BNA_F
ClientSampled :
C1

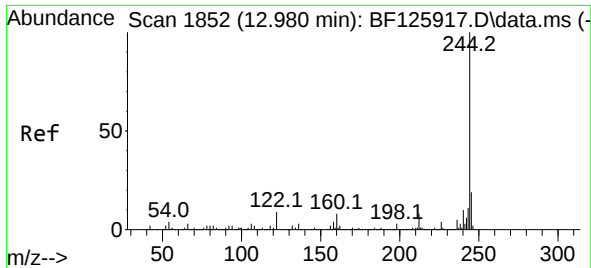
Tgt Ion:240 Resp: 392889
Ion Ratio Lower Upper
240 100
120 13.0 10.8 16.2
236 25.7 21.6 32.4



#78
Pyrene
Concen: 37.748 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion:202 Resp: 1380165
Ion Ratio Lower Upper
202 100
200 21.9 15.3 22.9
203 17.5 13.4 20.0

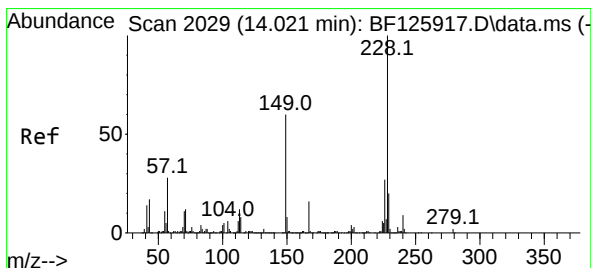
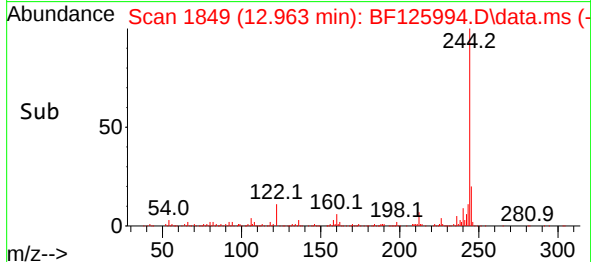
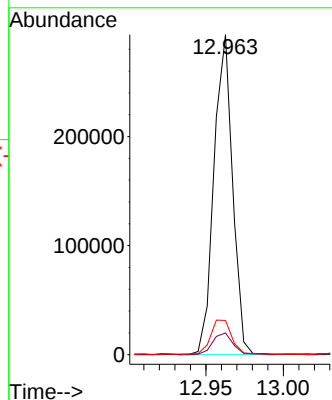
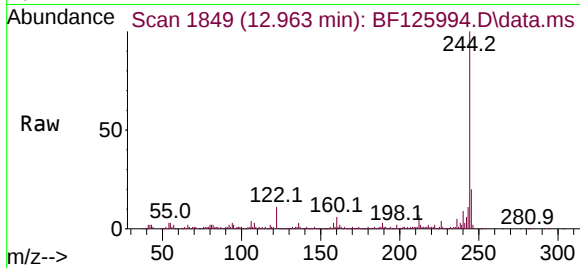




#79
Terphenyl-d14
Concen: 10.209 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

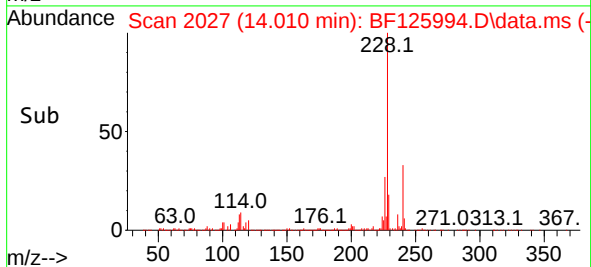
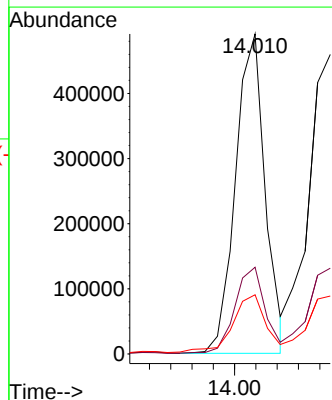
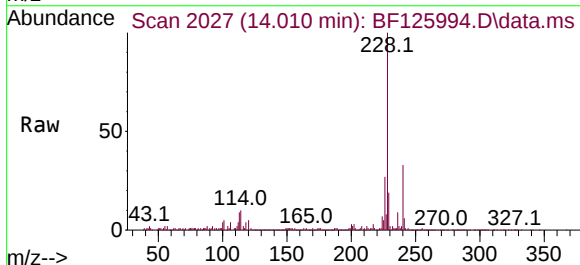
Instrument :
BNA_F
ClientSampled :
C1

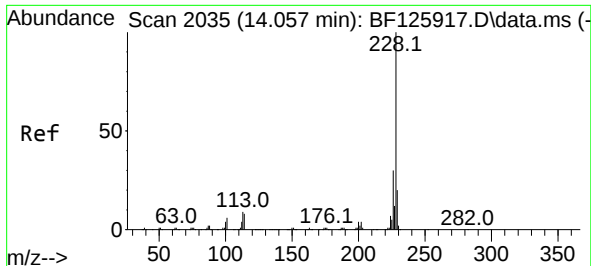
Tgt Ion:244 Resp: 245216
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 10.7 9.0 13.4



#81
Benzo(a)anthracene
Concen: 17.944 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion:228 Resp: 474491
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 18.5 15.6 23.4

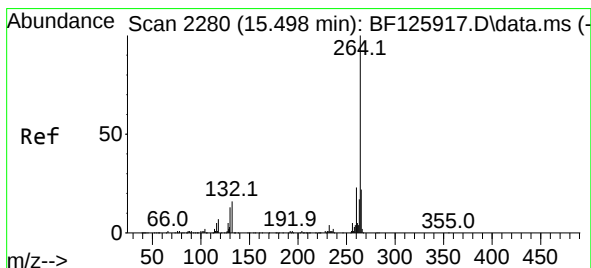
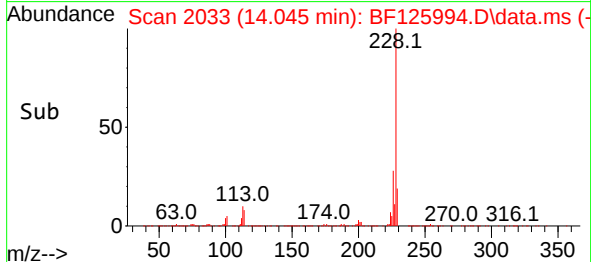
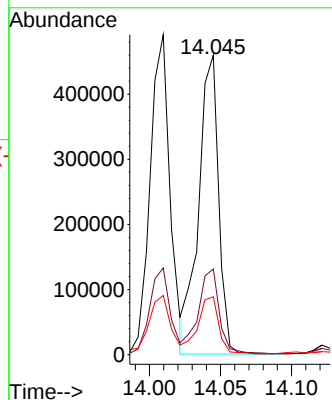
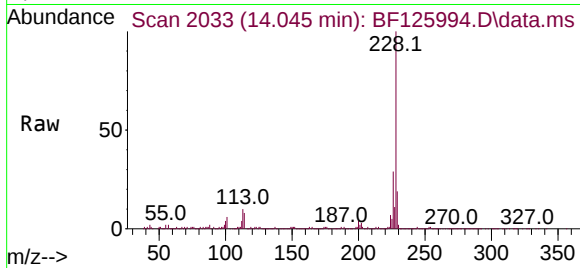




#83
Chrysene
Concen: 16.939 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

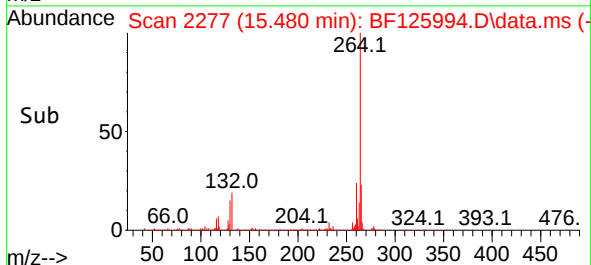
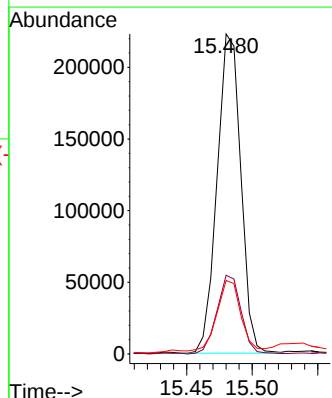
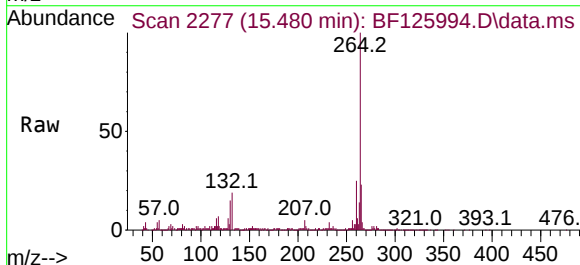
Instrument :
BNA_F
ClientSampled :
C1

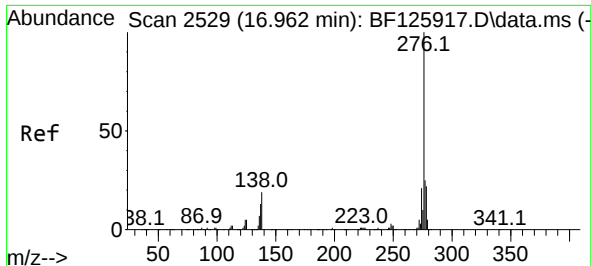
Tgt Ion:228 Resp: 453203
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 19.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion:264 Resp: 280018
Ion Ratio Lower Upper
264 100
260 24.6 19.6 29.4
265 23.0 17.2 25.8

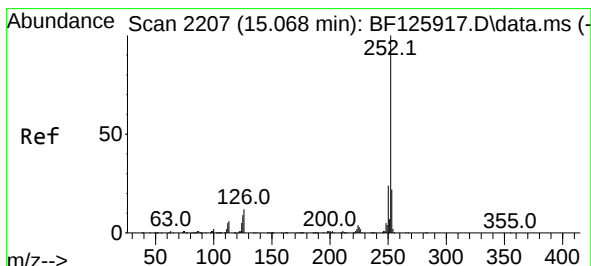
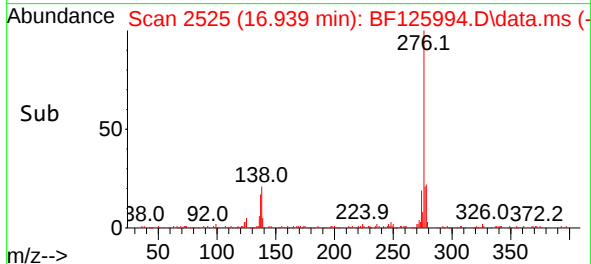
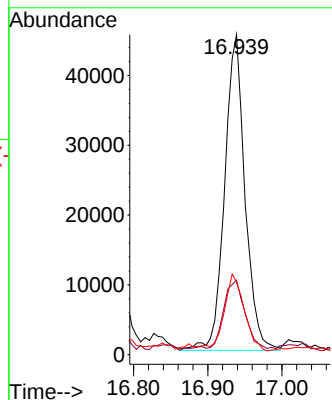
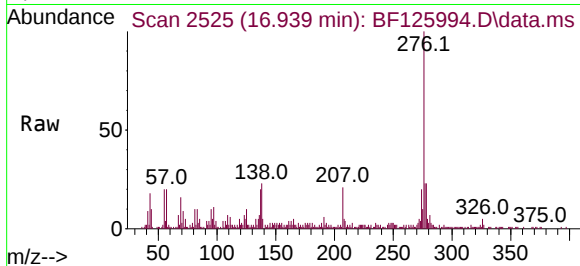




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.283 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

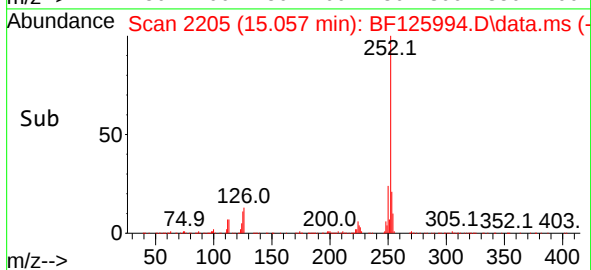
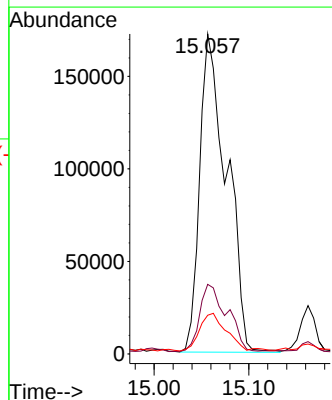
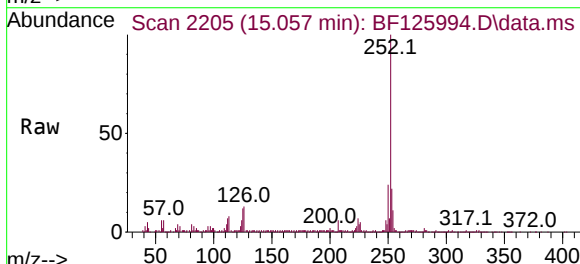
Instrument :
BNA_F
ClientSampled :
C1

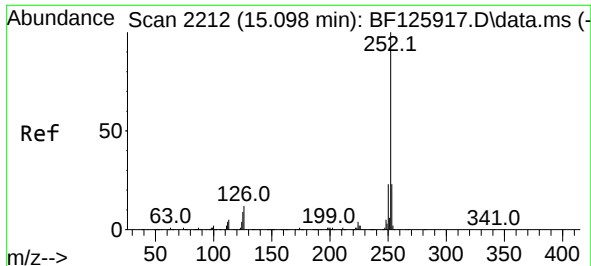
Tgt Ion:	276	Resp:	86406
Ion Ratio	Lower	Upper	
276	100		
138	24.9	24.1	36.1
277	23.4	18.8	28.2



#88
Benzo(b)fluoranthene
Concen: 18.427 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion:	252	Resp:	340582
Ion Ratio	Lower	Upper	
252	100		
253	21.8	16.8	25.2
125	12.1	9.8	14.8





#89

Benzo(k)fluoranthene

Concen: 19.184 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.029 min

Lab File: BF125994.D

Acq: 28 Oct 2021 17:57

Tgt Ion:252 Resp: 340582

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

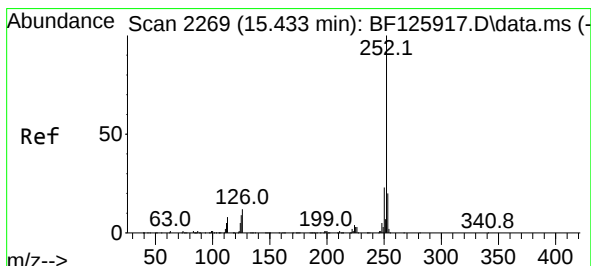
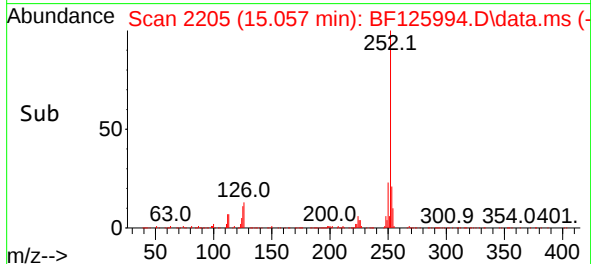
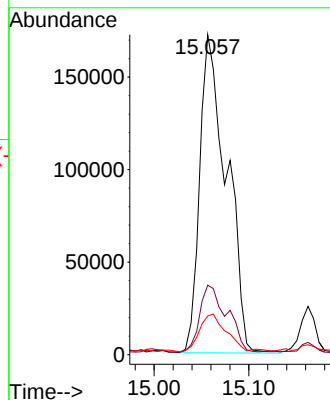
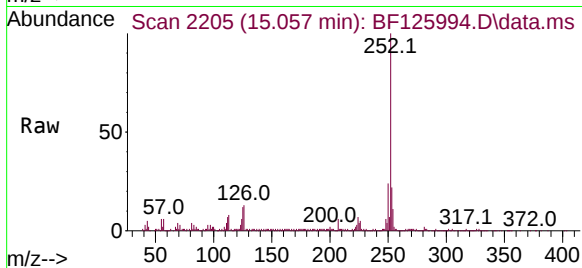
125 12.1 7.2 10.8#

Instrument :

BNA_F

ClientSampleId :

C1



#90

Benzo(a)pyrene

Concen: 12.776 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.000 min

Lab File: BF125994.D

Acq: 28 Oct 2021 17:57

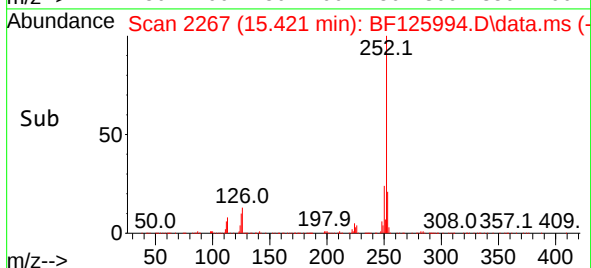
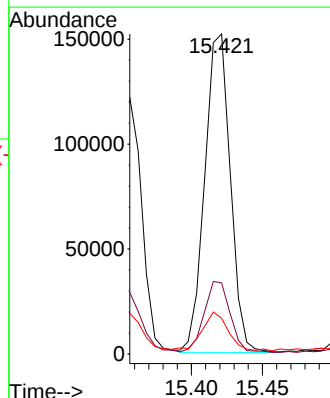
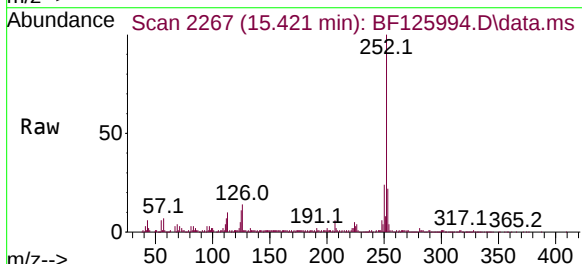
Tgt Ion:252 Resp: 190630

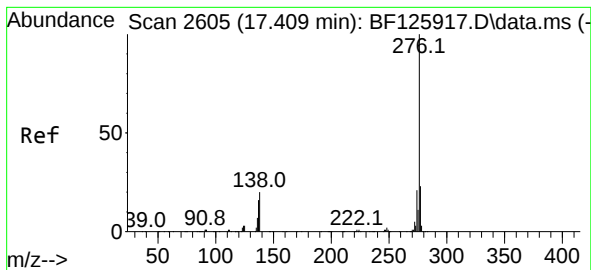
Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

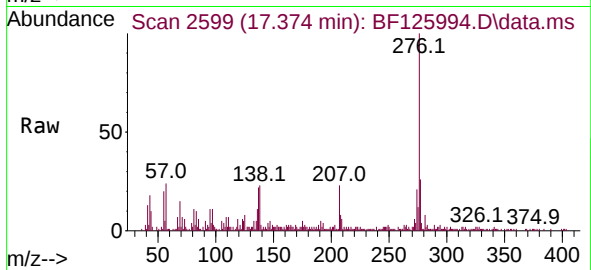
125 11.2 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 4.758 ng
 RT: 17.374 min Scan# 2599
 Delta R.T. -0.012 min
 Lab File: BF125994.D
 Acq: 28 Oct 2021 17:57

Instrument :
 BNA_F
 ClientSampleId :
 C1



Tgt Ion:	276	Resp:	81238
Ion Ratio	Lower	Upper	
276	100		
277	25.9	22.0	33.0
138	22.9	22.2	33.4

