

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090721\
 Data File : BF125392.D
 Acq On : 7 Sep 2021 17:32
 Operator : JU/CG
 Sample : M3658-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-400027

Quant Time: Sep 08 09:31:54 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 03 11:56:34 2021
 Response via : Initial Calibration

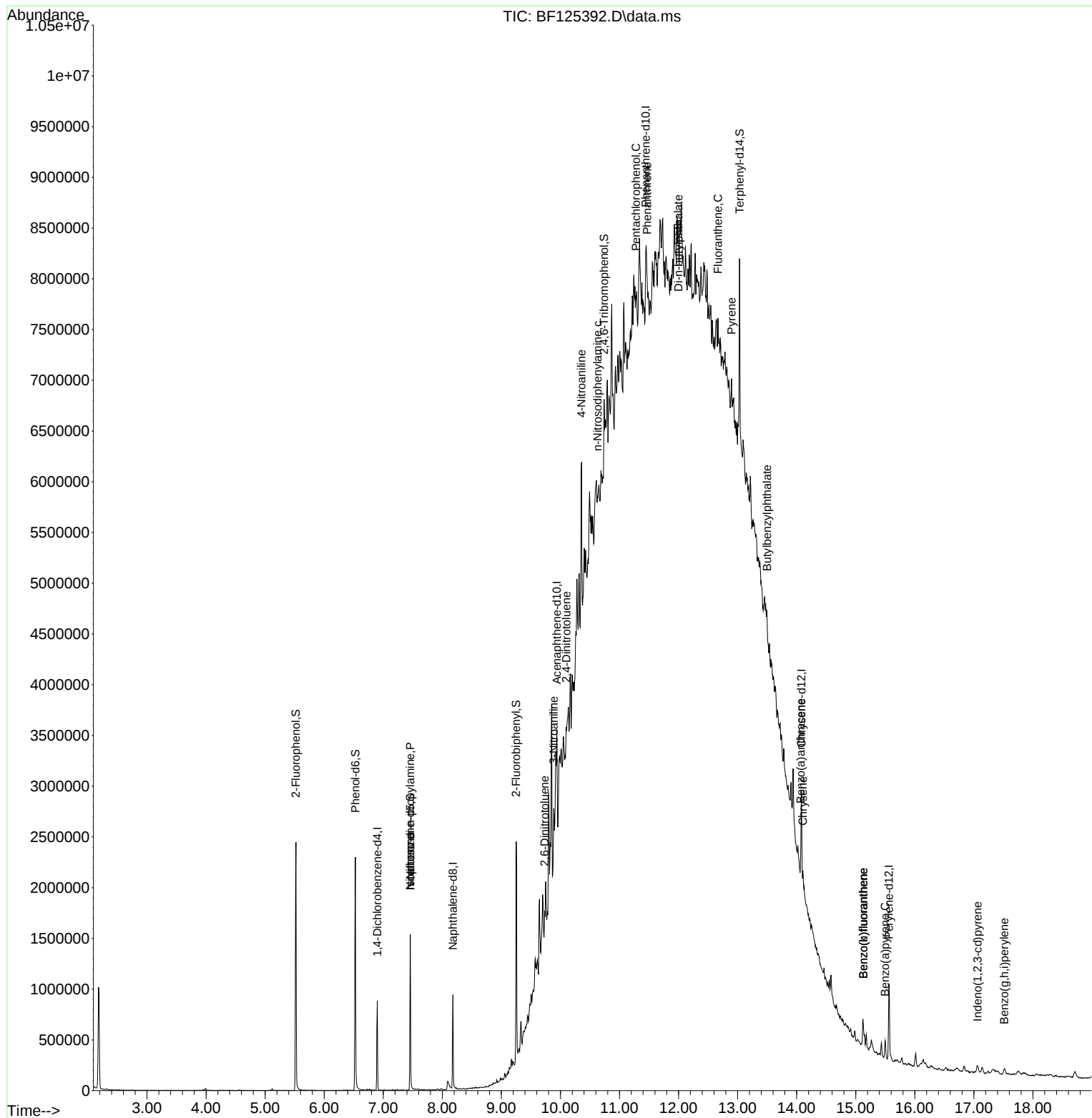
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	119660	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	399050	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	158802	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	220729	20.000	ng	# 0.02
76) Chrysene-d12	14.080	240	286025	20.000	ng	# 0.01
86) Perylene-d12	15.562	264	336157	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	613610	77.617	ng	0.00
7) Phenol-d6	6.528	99	735557	71.940	ng	0.00
23) Nitrobenzene-d5	7.457	82	443400	55.939	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	147384	92.975	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	712921	62.570	ng	0.00
79) Terphenyl-d14	13.033	244	723095	40.275	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	59028	9.598	ng	# 58
25) Isophorone	7.457	82	443391	28.997	ng	# 59
51) 2,6-Dinitrotoluene	9.733	165	8638	3.620	ng	# 32
53) 3-Nitroaniline	9.886	138	13515	5.252	ng	# 24
57) 2,4-Dinitrotoluene	10.098	165	11613	4.021	ng	# 31
62) 4-Nitroaniline	10.357	138	16843	7.279	ng	88
66) n-Nitrosodiphenylamine	10.627	169	15934	2.016	ng	# 52
70) Pentachlorophenol	11.280	266	7844	4.927	ng	# 37
71) Phenanthrene	11.469	178	72303	5.945	ng	# 49
74) Di-n-butylphthalate	11.998	149	50580	3.891	ng	# 25
75) Fluoranthene	12.669	202	119705	9.919	ng	80
78) Pyrene	12.898	202	112813	4.598	ng	# 84
80) Butylbenzylphthalate	13.498	149	33832	3.509	ng	# 59
81) Benzo(a)anthracene	14.068	228	86989	4.221	ng	# 90
83) Chrysene	14.104	228	92849	4.556	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.062	276	52215	2.156	ng	# 85
88) Benzo(b)fluoranthene	15.127	252	187521	7.636	ng	95
89) Benzo(k)fluoranthene	15.127	252	187521	8.183	ng	# 94
90) Benzo(a)pyrene	15.498	252	76317	3.518	ng	99
92) Benzo(g,h,i)perylene	17.515	276	45590	2.259	ng	94

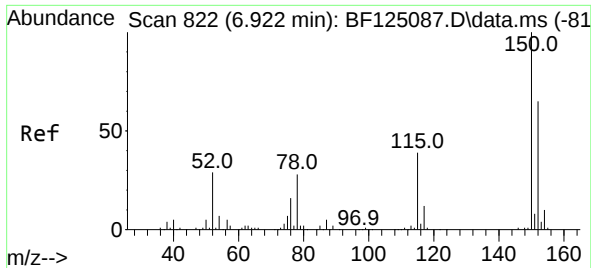
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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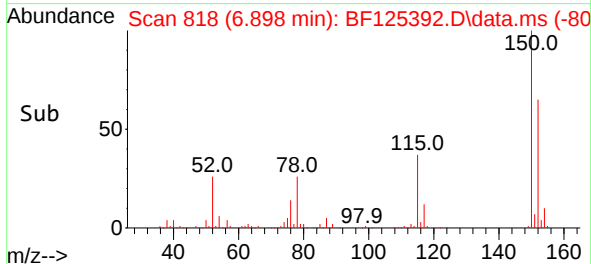
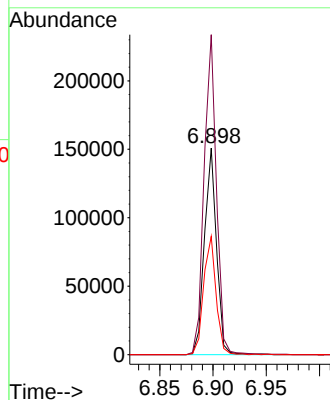
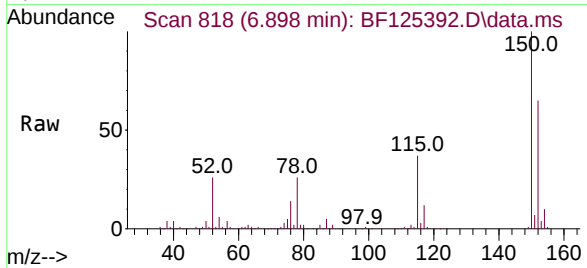




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

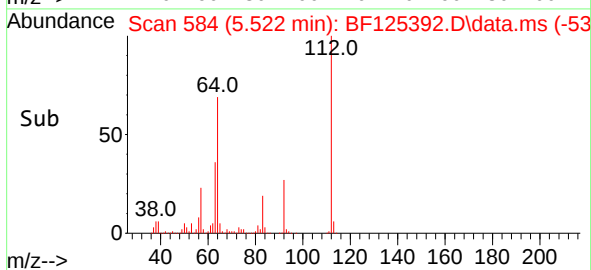
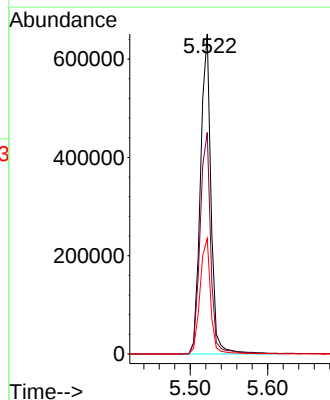
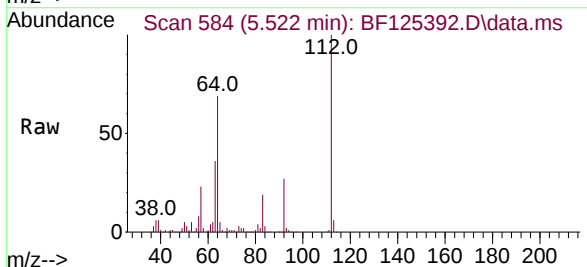
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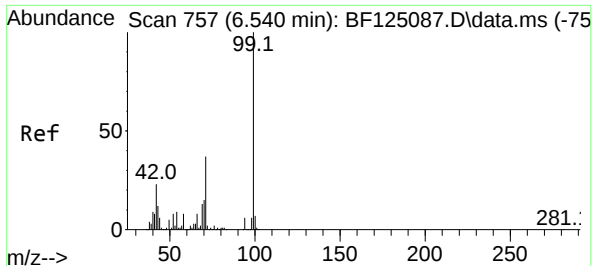
Tgt Ion:152 Resp: 119660
Ion Ratio Lower Upper
152 100
150 154.9 117.6 176.4
115 57.2 47.1 70.7



#5
2-Fluorophenol
Concen: 77.617 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.000 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

Tgt Ion:112 Resp: 613610
Ion Ratio Lower Upper
112 100
64 69.2 44.2 66.2#
63 36.1 26.2 39.2

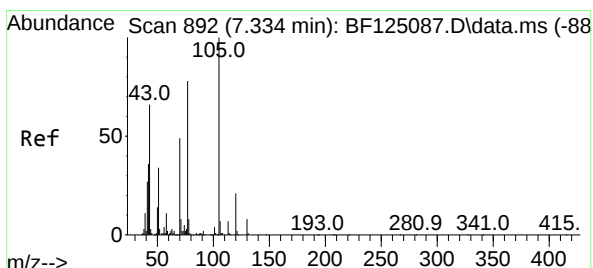
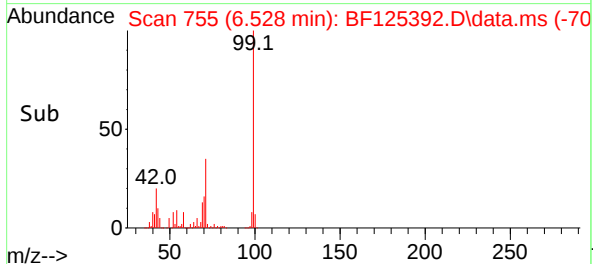
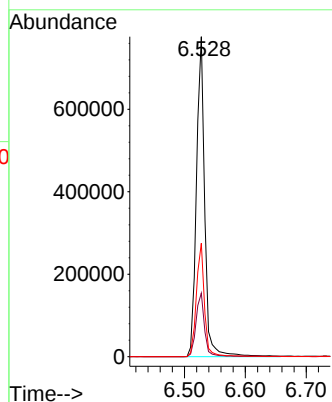
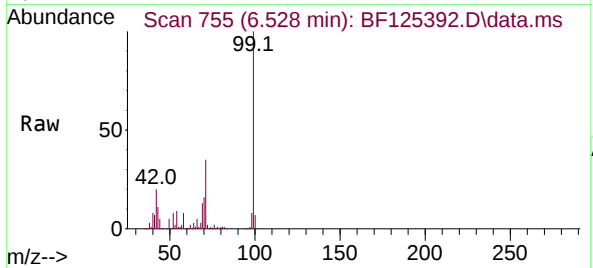




#7
Phenol-d6
Concen: 71.940 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

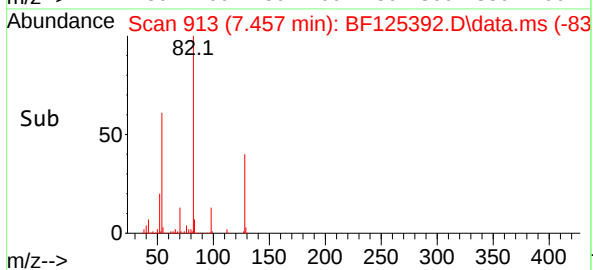
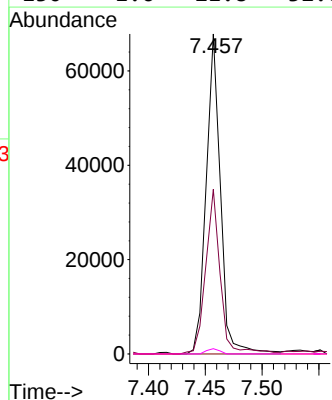
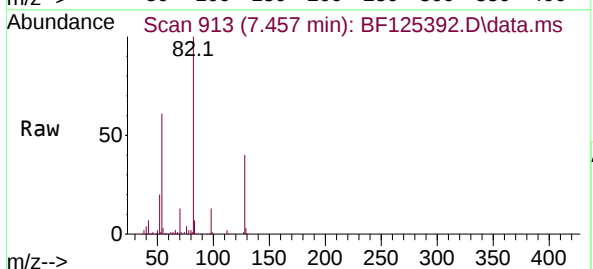
Instrument :
BNA_F
ClientSampleId :
RBR-400027

Tgt Ion: 99 Resp: 735557
Ion Ratio Lower Upper
99 100
42 19.8 23.5 35.3#
71 35.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.598 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.147 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

Tgt Ion: 70 Resp: 59028
Ion Ratio Lower Upper
70 100
42 51.5 72.2 108.2#
101 0.0 7.8 11.8#
130 1.6 21.8 32.6#

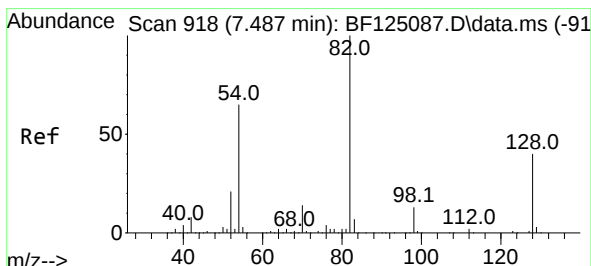
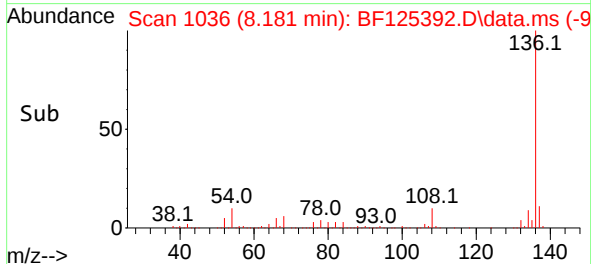
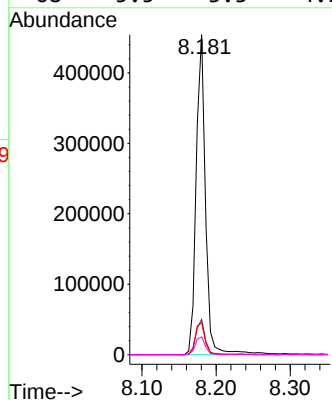
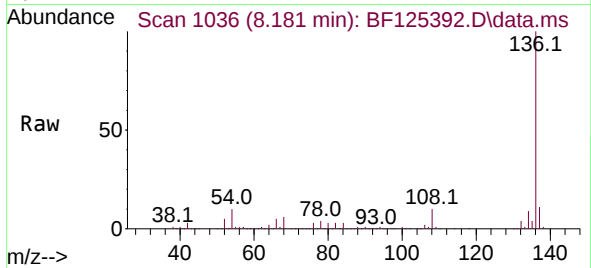




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

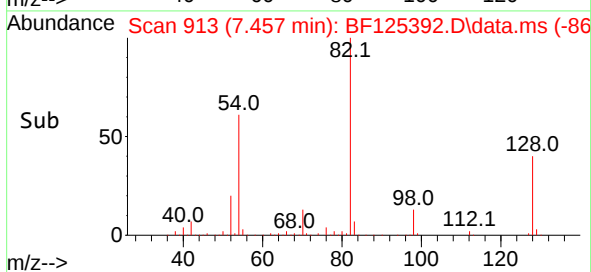
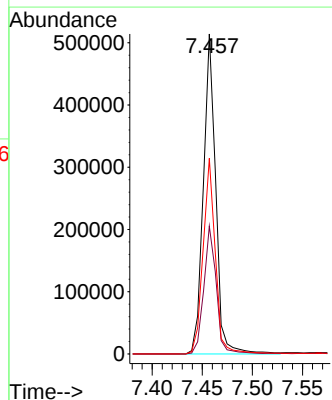
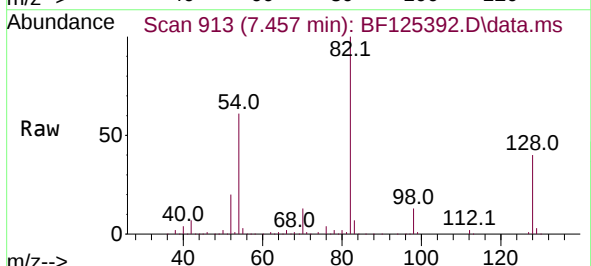
Instrument :
BNA_F
ClientSampled :
RBR-400027

Tgt Ion:136 Resp: 399050
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 9.9 6.4 9.6#
68 5.5 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 55.939 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

Tgt Ion: 82 Resp: 443400
Ion Ratio Lower Upper
82 100
128 40.0 40.6 60.8#
54 61.2 49.6 74.4

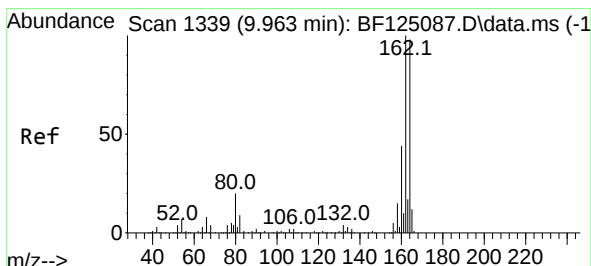
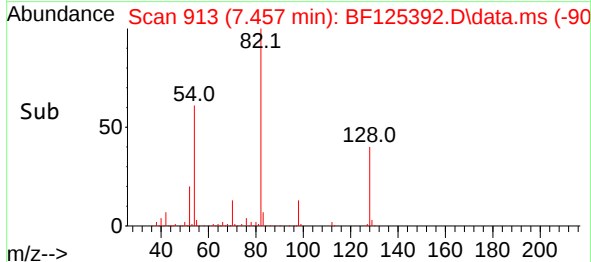
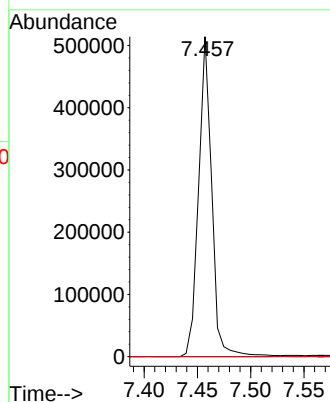
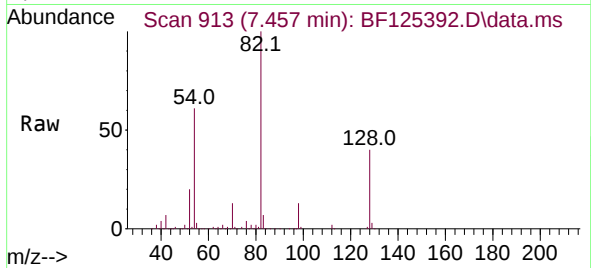




#25
Isophorone
Concen: 28.997 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.265 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

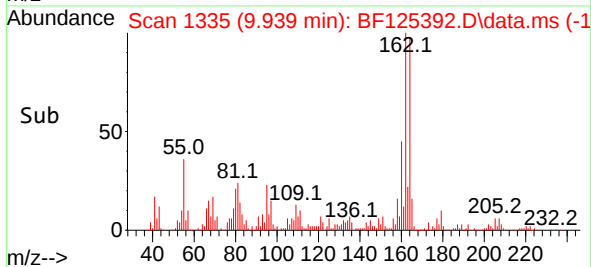
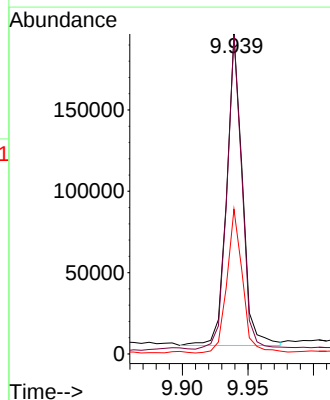
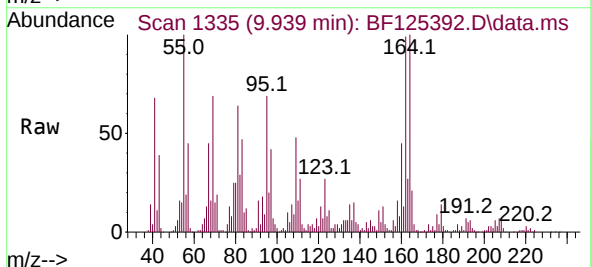
Instrument :
BNA_F
ClientSampleId :
RBR-400027

Tgt Ion: 82 Resp: 443391
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: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

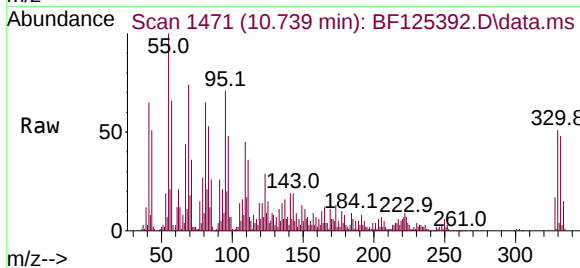
Tgt Ion:164 Resp: 158802
Ion Ratio Lower Upper
164 100
162 99.6 81.3 121.9
160 45.2 38.0 57.0



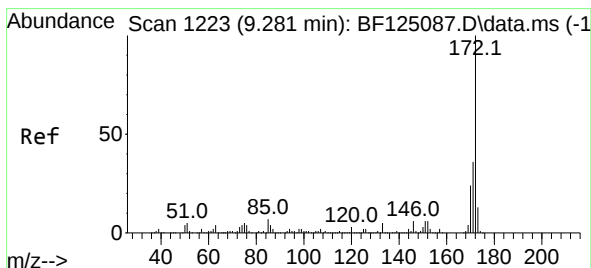
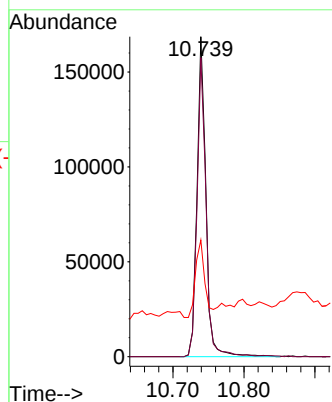
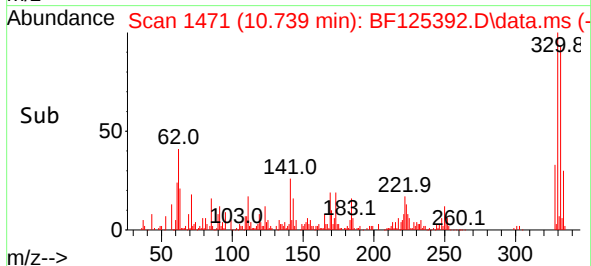


#42
2,4,6-Tribromophenol
Concen: 92.975 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

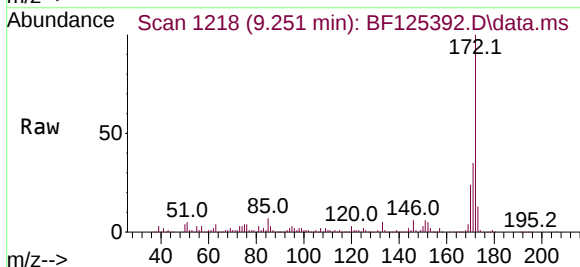
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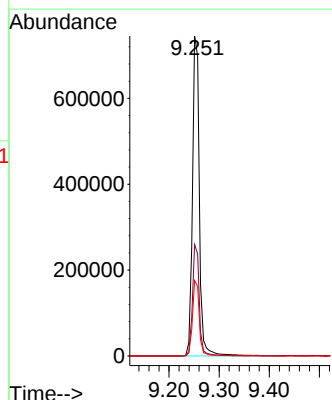
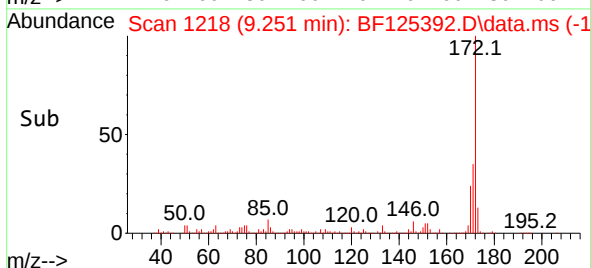
Tgt Ion:330 Resp: 147384
Ion Ratio Lower Upper
330 100
332 94.3 76.2 114.4
141 25.1 44.6 66.8#

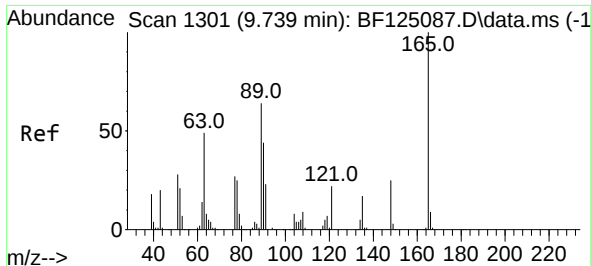


#45
2-Fluorobiphenyl
Concen: 62.570 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32



Tgt Ion:172 Resp: 712921
Ion Ratio Lower Upper
172 100
171 34.8 26.5 39.7
170 23.5 18.8 28.2

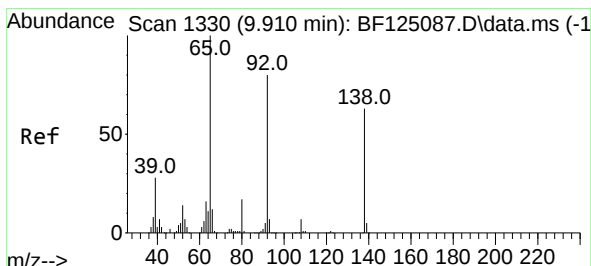
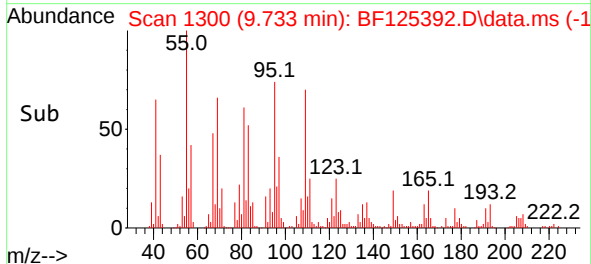
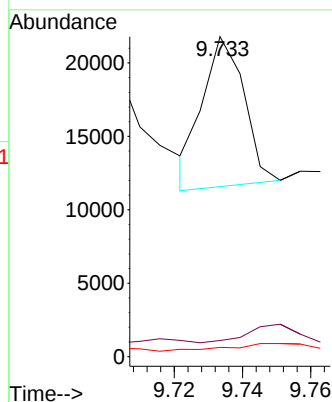
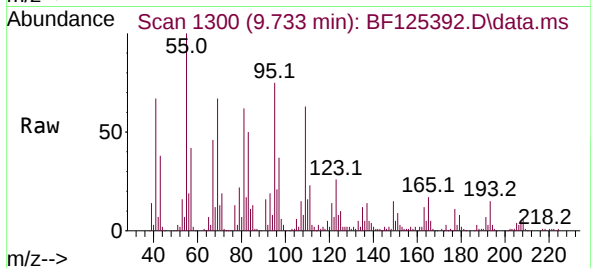




#51
2,6-Dinitrotoluene
Concen: 3.620 ng
RT: 9.733 min Scan# 1300
Delta R.T. 0.012 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

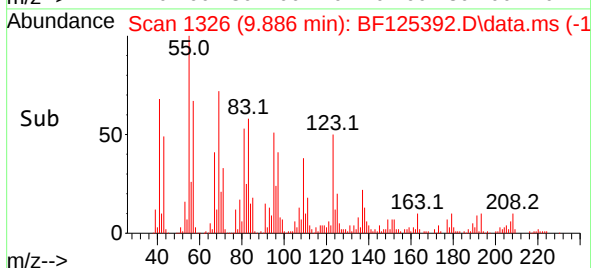
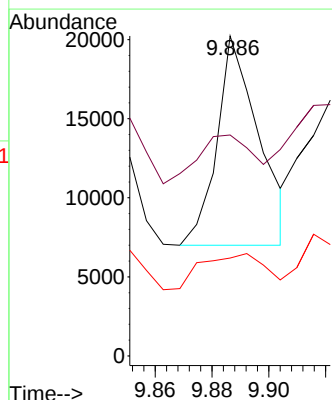
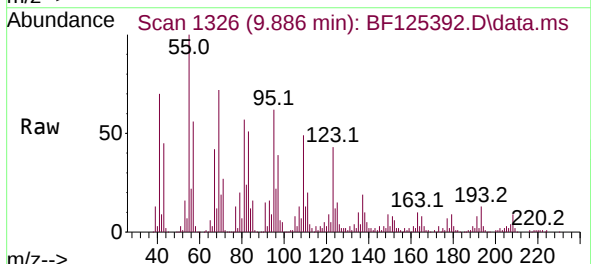
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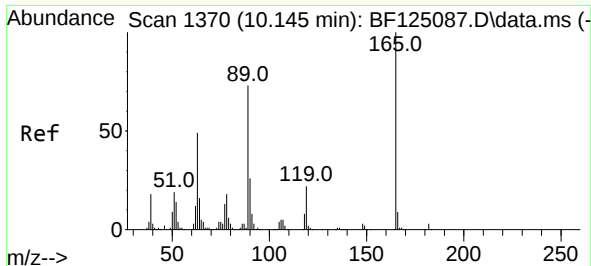
Tgt Ion:165 Resp: 8638
Ion Ratio Lower Upper
165 100
63 5.1 42.6 63.8#
89 2.9 40.6 60.8#



#53
3-Nitroaniline
Concen: 5.252 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

Tgt Ion:138 Resp: 13515
Ion Ratio Lower Upper
138 100
108 69.0 9.3 13.9#
92 30.6 76.5 114.7#

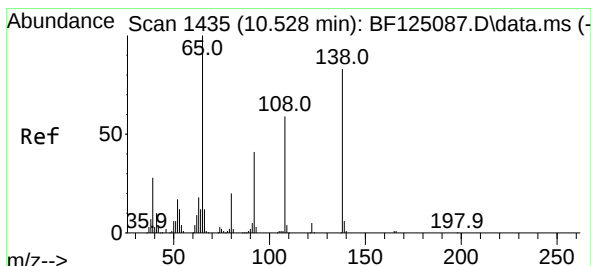
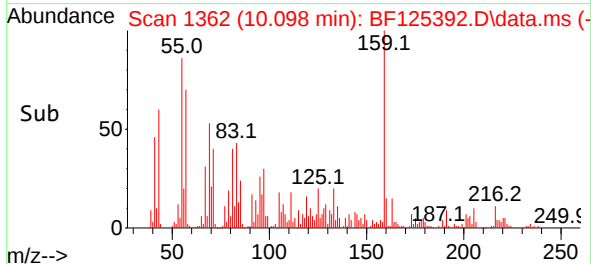
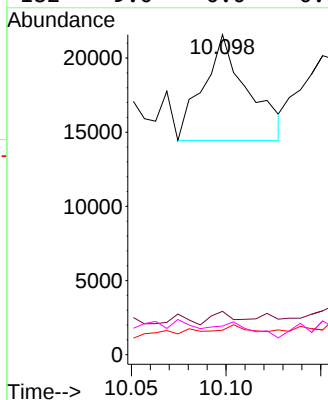
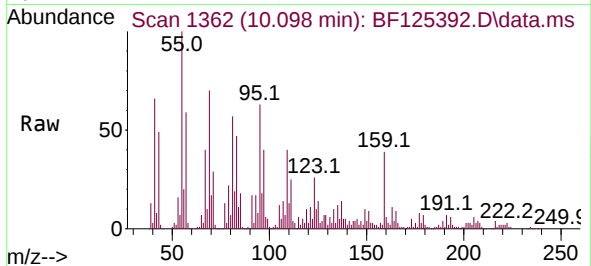




#57
2,4-Dinitrotoluene
Concen: 4.021 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.029 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

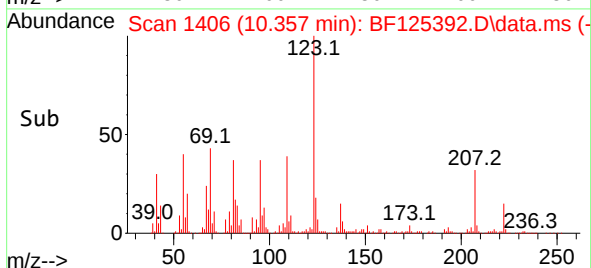
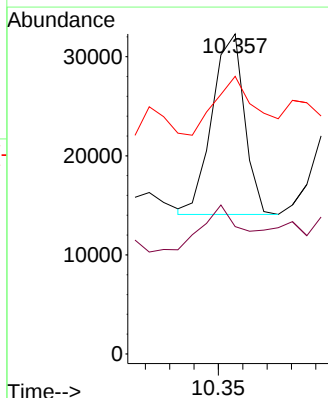
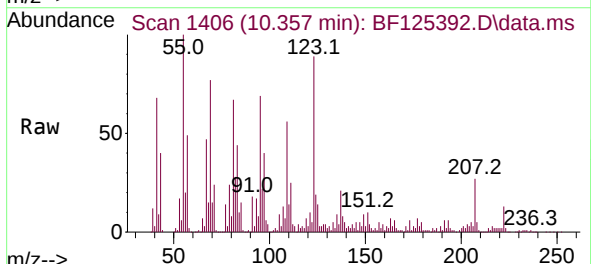
Instrument :
BNA_F
ClientSampleId :
RBR-400027

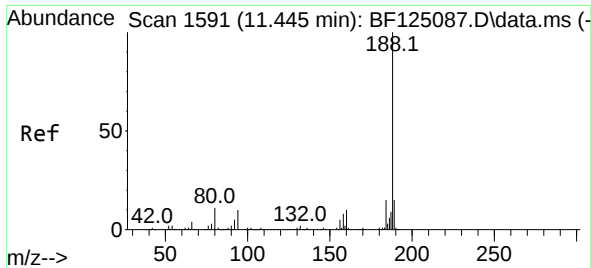
Tgt Ion:165 Resp: 11613
Ion Ratio Lower Upper
165 100
63 13.5 40.9 61.3#
89 7.6 59.7 89.5#
182 9.0 0.0 0.0#



#62
4-Nitroaniline
Concen: 7.279 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.153 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

Tgt Ion:138 Resp: 16843
Ion Ratio Lower Upper
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92 39.8 29.6 69.6
108 86.8 78.1 118.1

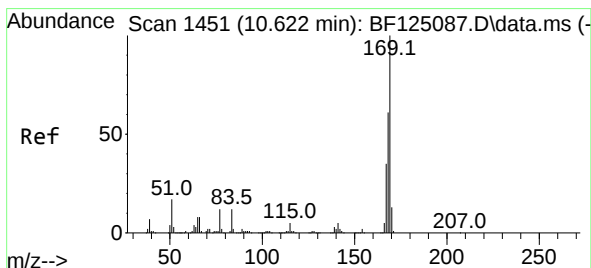
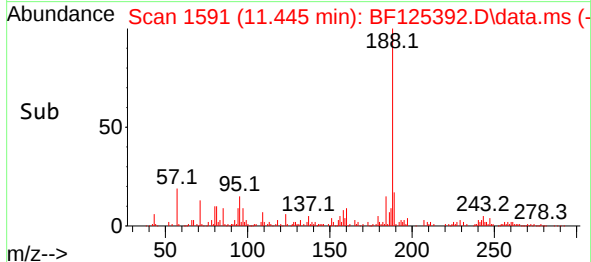
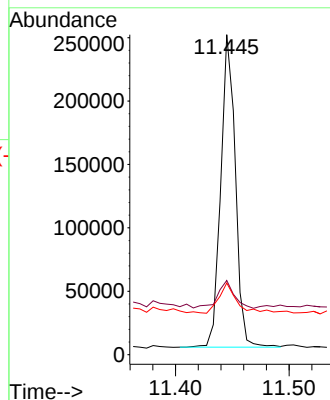
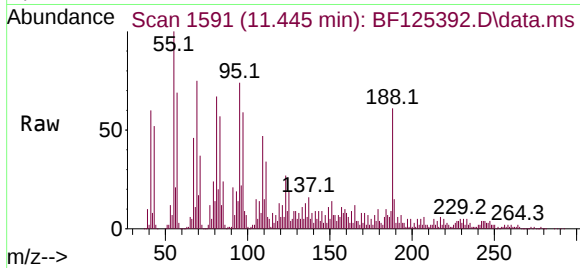




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1591
Delta R.T. 0.018 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

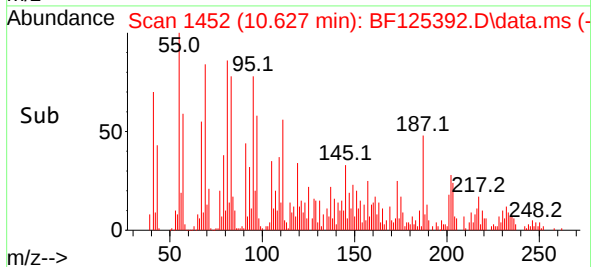
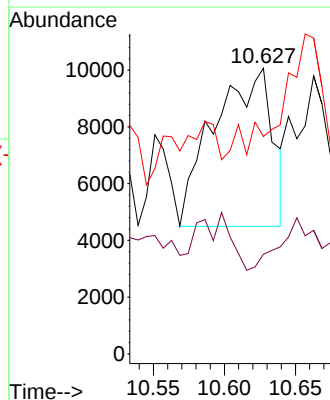
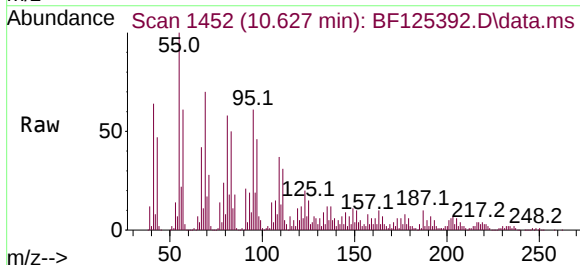
Instrument :
BNA_F
ClientSampled :
RBR-400027

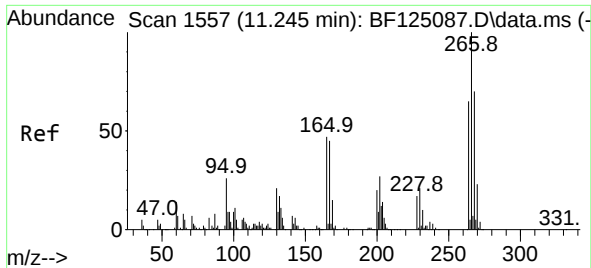
Tgt Ion:188 Resp: 220729
Ion Ratio Lower Upper
188 100
94 23.2 6.7 10.1#
80 22.4 7.5 11.3#



#66
n-Nitrosodiphenylamine
Concen: 2.016 ng
RT: 10.627 min Scan# 1452
Delta R.T. 0.029 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

Tgt Ion:169 Resp: 15934
Ion Ratio Lower Upper
169 100
168 34.9 50.8 76.2#
167 76.1 28.8 43.2#

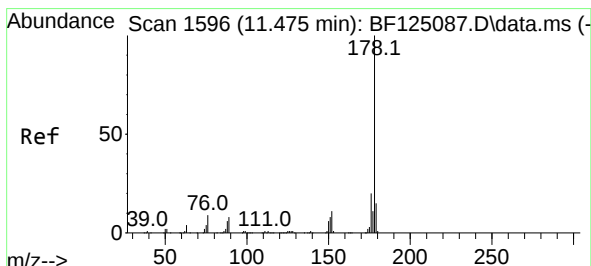
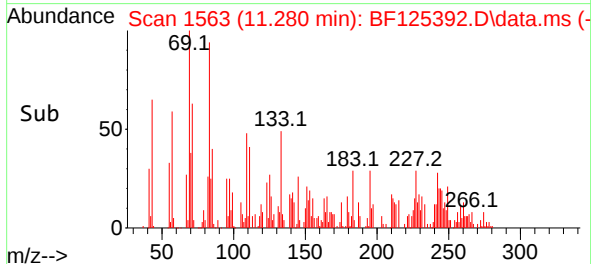
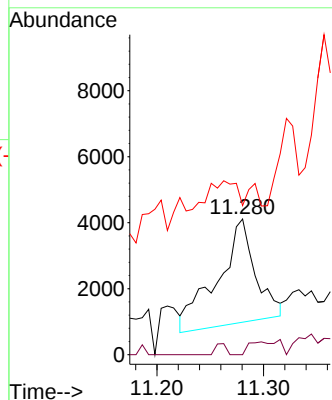
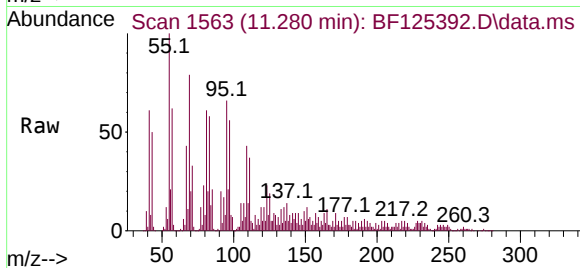




#70
Pentachlorophenol
Concen: 4.927 ng
RT: 11.280 min Scan# 1563
Delta R.T. 0.047 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

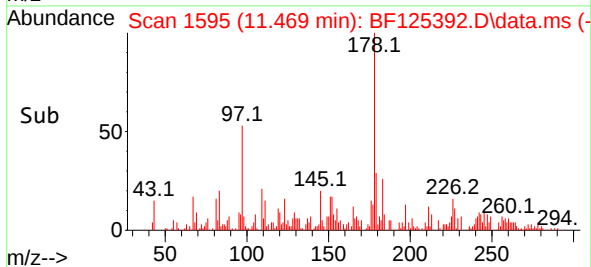
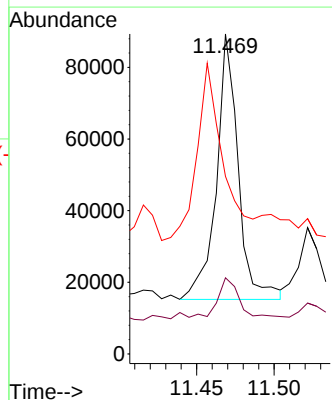
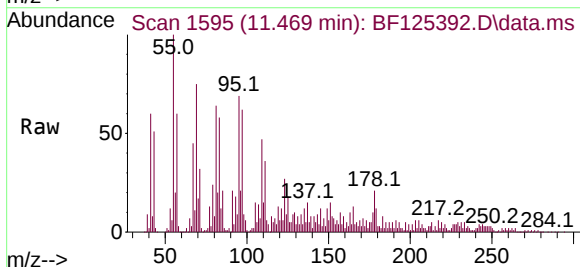
Instrument :
BNA_F
ClientSampleId :
RBR-400027

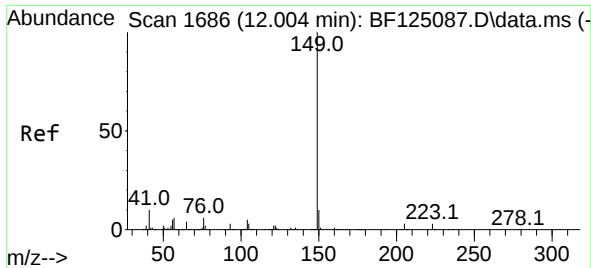
Tgt Ion:266 Resp: 7844
Ion Ratio Lower Upper
266 100
268 0.0 48.9 73.3#
264 109.9 55.9 83.9#



#71
Phenanthrene
Concen: 5.945 ng
RT: 11.469 min Scan# 1595
Delta R.T. 0.018 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

Tgt Ion:178 Resp: 72303
Ion Ratio Lower Upper
178 100
176 23.8 14.7 22.1#
179 55.5 11.5 17.3#

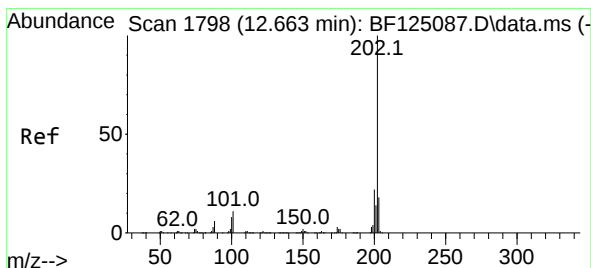
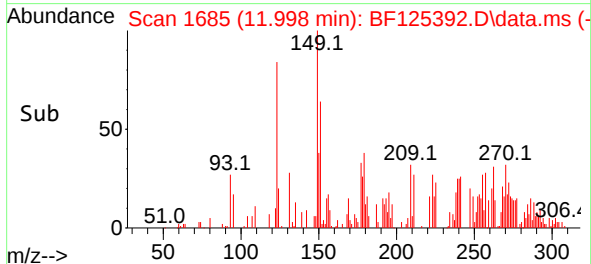
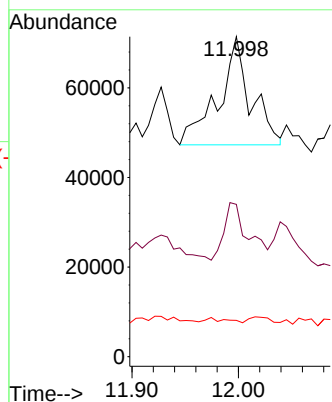
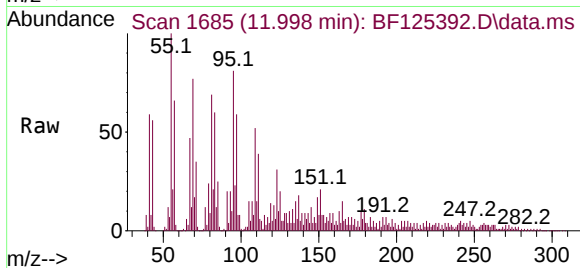




#74
Di-n-butylphthalate
Concen: 3.891 ng
RT: 11.998 min Scan# 1685
Delta R.T. 0.018 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

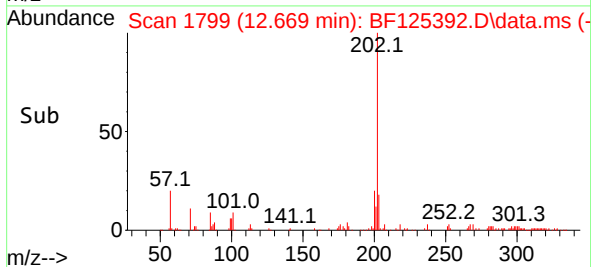
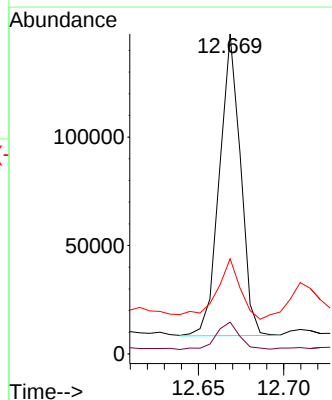
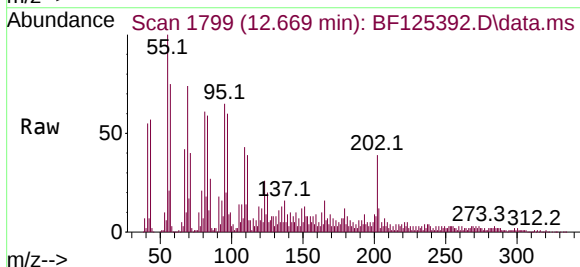
Instrument :
BNA_F
ClientSampleId :
RBR-400027

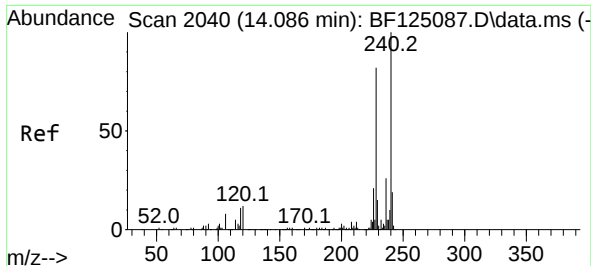
Tgt Ion:149 Resp: 50580
Ion Ratio Lower Upper
149 100
150 47.6 7.4 11.2#
104 11.3 4.1 6.1#



#75
Fluoranthene
Concen: 9.919 ng
RT: 12.669 min Scan# 1799
Delta R.T. 0.029 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

Tgt Ion:202 Resp: 119705
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.7
203 29.7 0.0 36.3

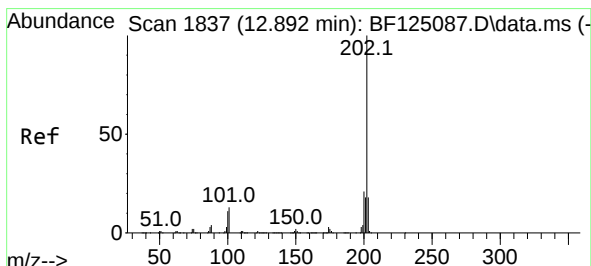
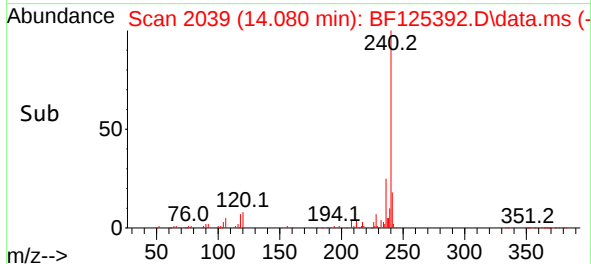
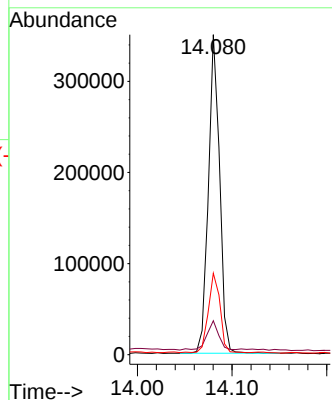
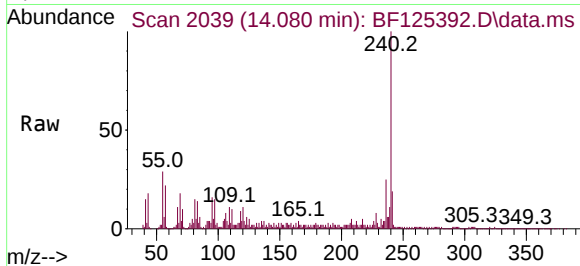




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.012 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

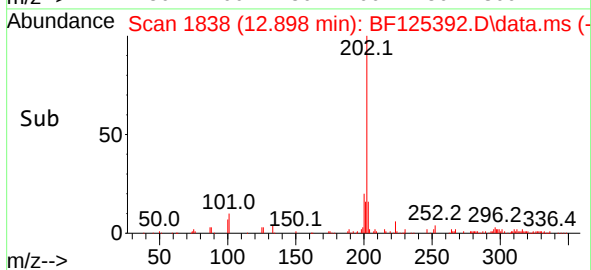
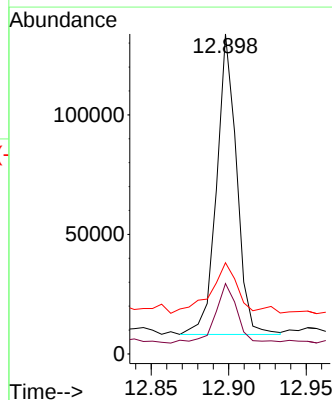
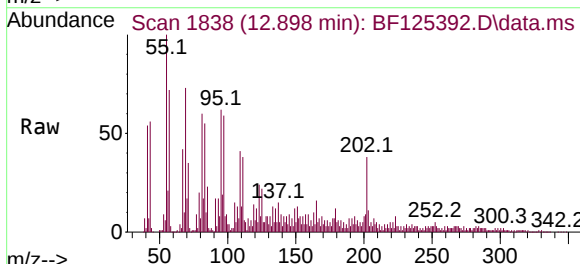
Instrument :
BNA_F
ClientSampleId :
RBR-400027

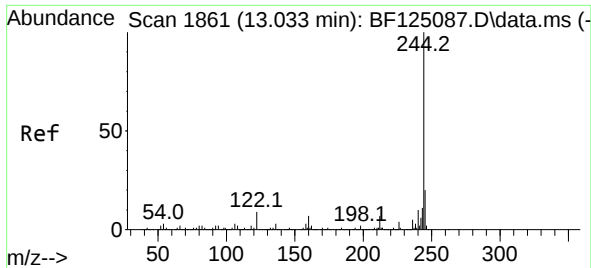
Tgt Ion:240 Resp: 286025
Ion Ratio Lower Upper
240 100
120 10.6 10.8 16.2#
236 25.5 21.6 32.4



#78
Pyrene
Concen: 4.598 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.024 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

Tgt Ion:202 Resp: 112813
Ion Ratio Lower Upper
202 100
200 22.0 15.3 22.9
203 28.5 13.4 20.0#

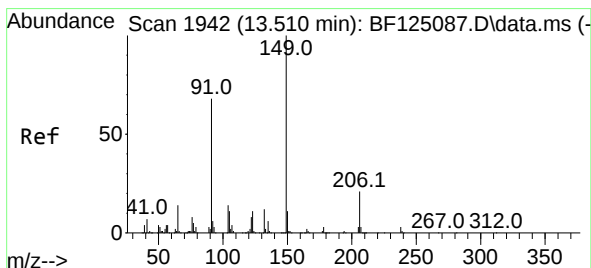
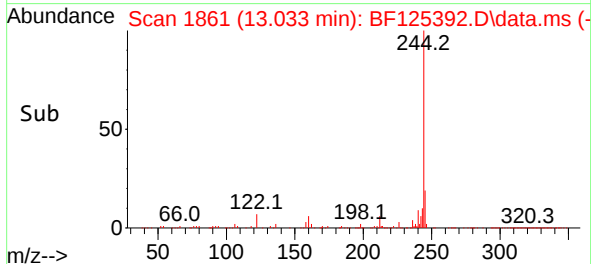
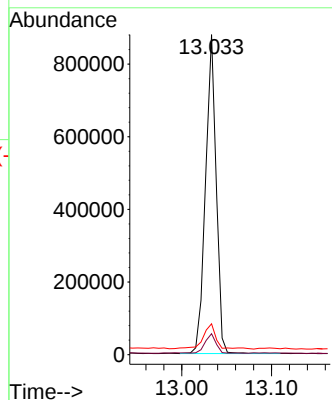
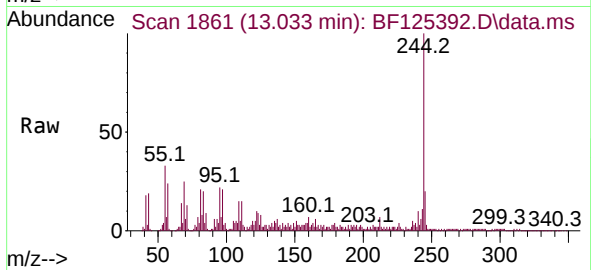




#79
Terphenyl-d14
Concen: 40.275 ng
RT: 13.033 min Scan# 1861
Delta R.T. 0.024 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

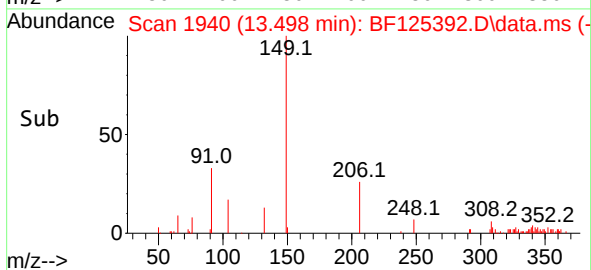
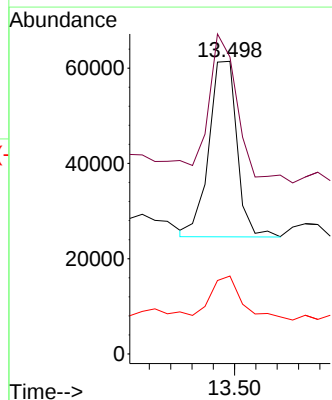
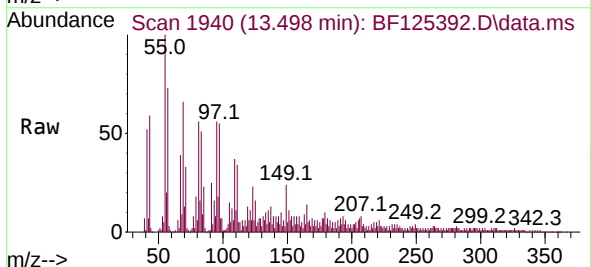
Instrument :
BNA_F
ClientSampleId :
RBR-400027

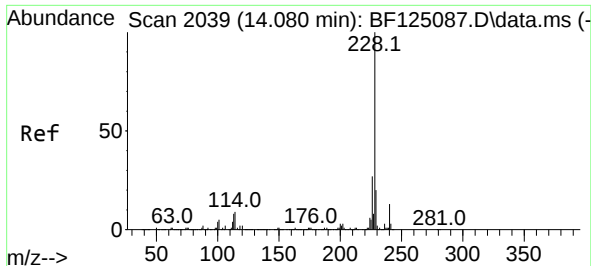
Tgt Ion:244 Resp: 723095
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 9.6 9.0 13.4



#80
Butylbenzylphthalate
Concen: 3.509 ng
RT: 13.498 min Scan# 1940
Delta R.T. 0.018 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

Tgt Ion:149 Resp: 33832
Ion Ratio Lower Upper
149 100
91 101.5 51.8 77.8#
206 26.6 14.5 21.7#

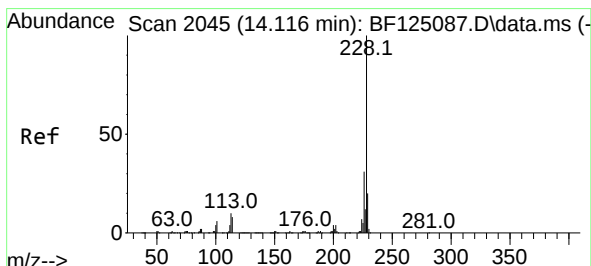
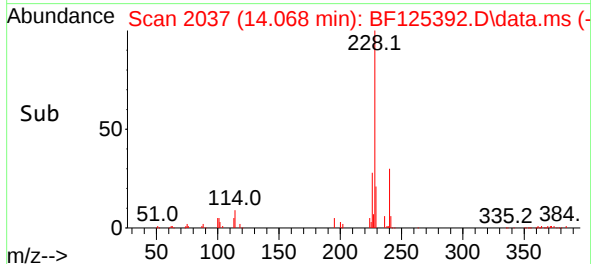
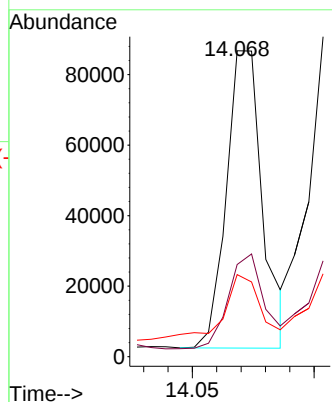
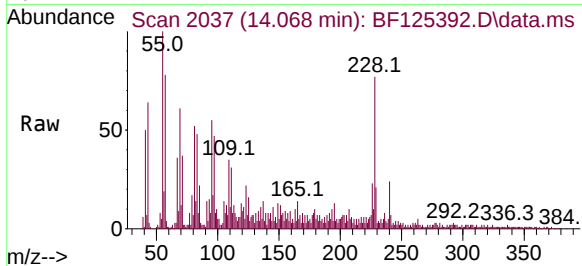




#81
Benzo(a)anthracene
Concen: 4.221 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.012 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

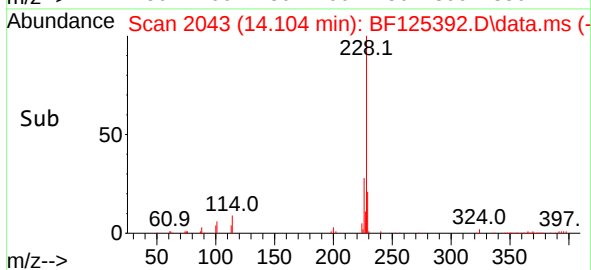
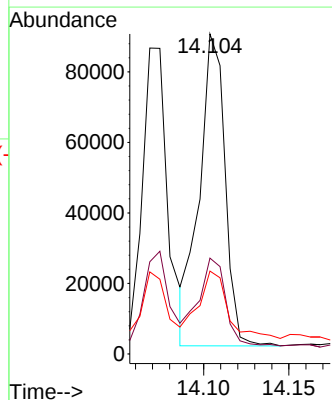
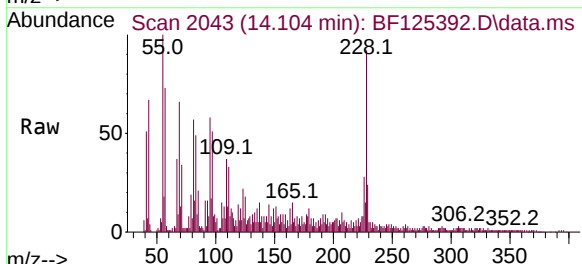
Instrument :
BNA_F
ClientSampleId :
RBR-400027

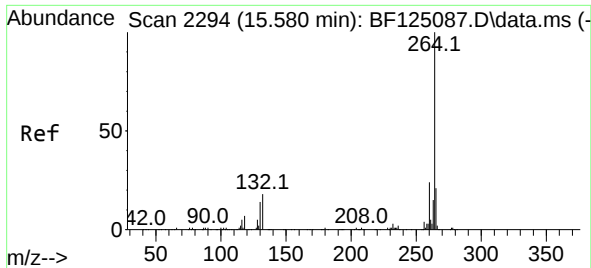
Tgt Ion:228 Resp: 86989
Ion Ratio Lower Upper
228 100
226 30.1 21.6 32.4
229 26.9 15.6 23.4#



#83
Chrysene
Concen: 4.556 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

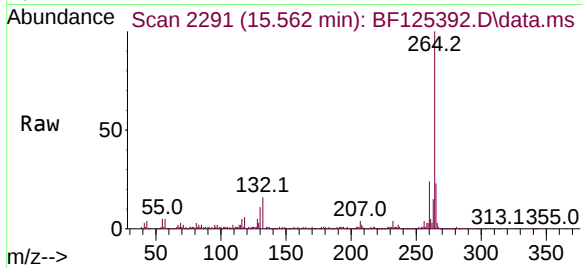
Tgt Ion:228 Resp: 92849
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 25.9 15.9 23.9#



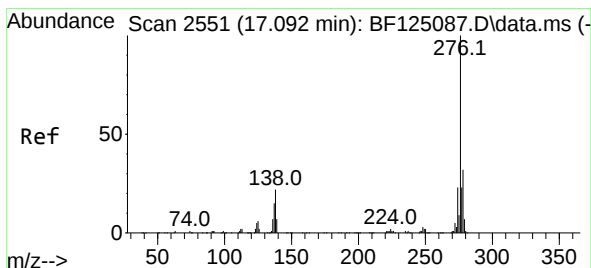
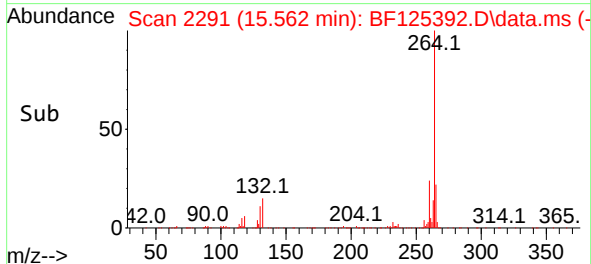
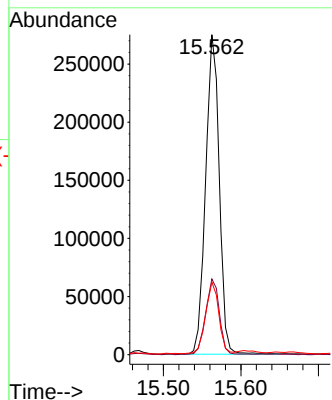


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2291
 Delta R.T. 0.006 min
 Lab File: BF125392.D
 Acq: 7 Sep 2021 17:32

Instrument :
 BNA_F
 ClientSampleId :
 RBR-400027

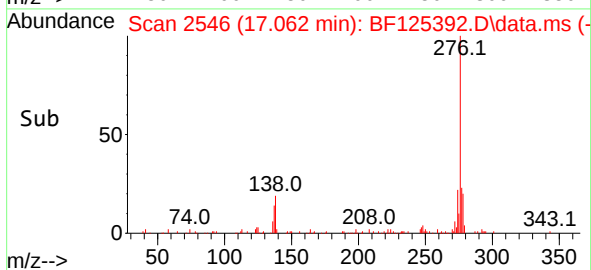
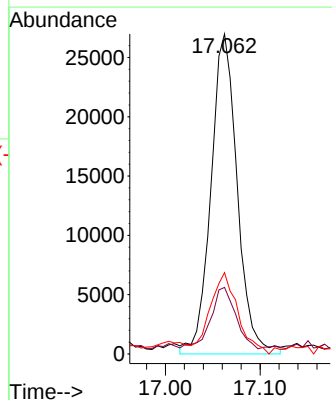
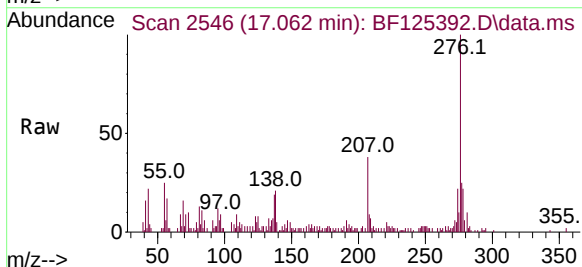


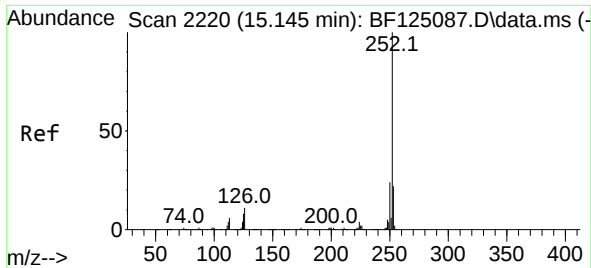
Tgt Ion:	264	Resp:	336157
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.6	29.4
265	22.6	17.2	25.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.156 ng
 RT: 17.062 min Scan# 2546
 Delta R.T. -0.012 min
 Lab File: BF125392.D
 Acq: 7 Sep 2021 17:32

Tgt Ion:	276	Resp:	52215
Ion Ratio	Lower	Upper	
276	100		
138	18.6	24.1	36.1#
277	26.7	18.8	28.2

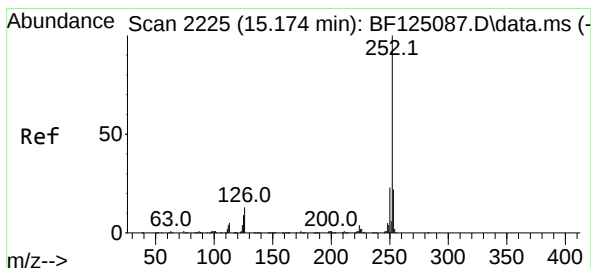
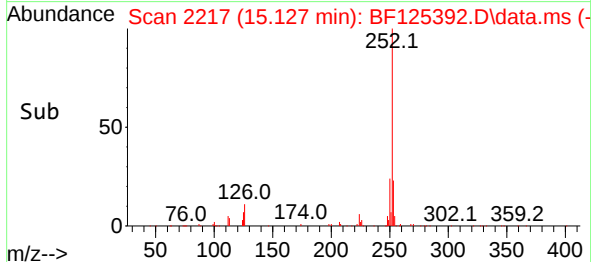
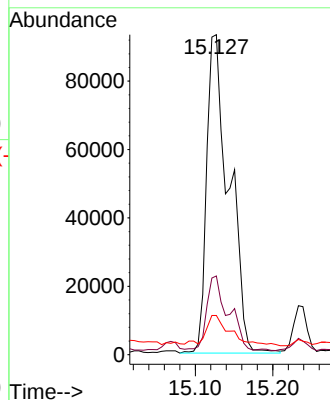
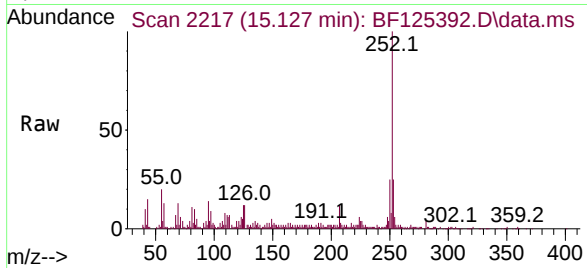




#88
Benzo(b)fluoranthene
Concen: 7.636 ng
RT: 15.127 min Scan# 2217
Delta R.T. 0.006 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

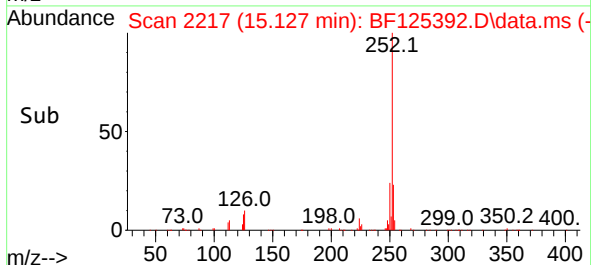
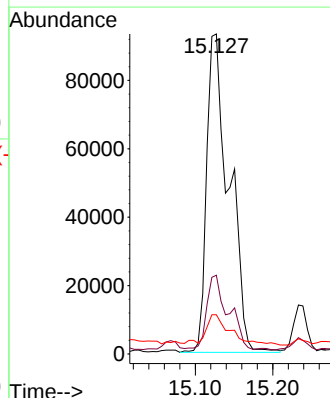
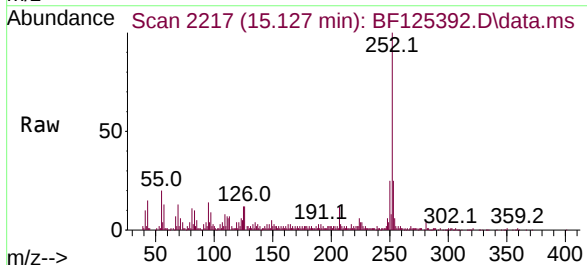
Instrument :
BNA_F
ClientSampleId :
RBR-400027

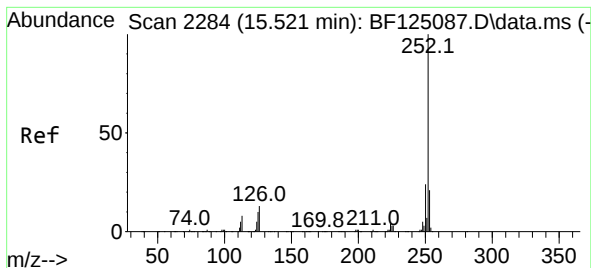
Tgt Ion:252 Resp: 187521
Ion Ratio Lower Upper
252 100
253 24.6 16.8 25.2
125 12.2 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 8.183 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.023 min
Lab File: BF125392.D
Acq: 7 Sep 2021 17:32

Tgt Ion:252 Resp: 187521
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 12.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 3.518 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.000 min

Lab File: BF125392.D

Acq: 7 Sep 2021 17:32

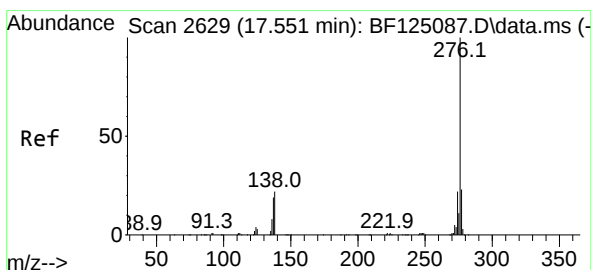
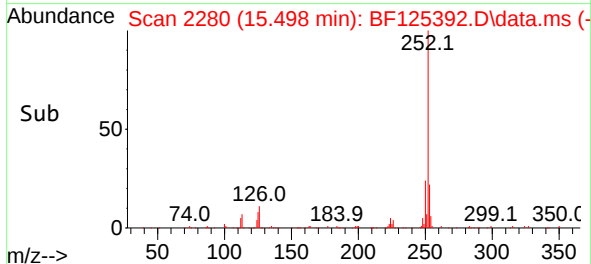
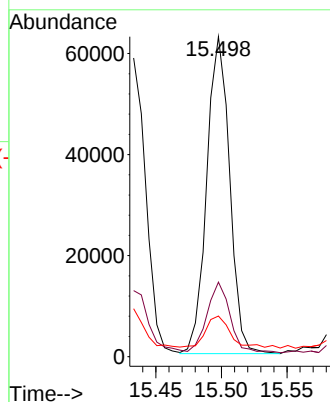
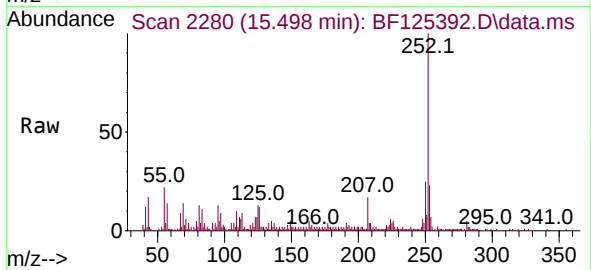
Instrument :

BNA_F

ClientSampleId :

RBR-400027

Tgt Ion:252	Resp:	76317
Ion Ratio	Lower	Upper
252	100	
253	23.3	18.4 27.6
125	12.7	9.9 14.9



#92

Benzo(g,h,i)perylene

Concen: 2.259 ng

RT: 17.515 min Scan# 2623

Delta R.T. -0.018 min

Lab File: BF125392.D

Acq: 7 Sep 2021 17:32

Tgt Ion:276	Resp:	45590
Ion Ratio	Lower	Upper
276	100	
277	26.6	22.0 33.0
138	22.3	22.2 33.4

