

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082621\
 Data File : BF125244.D
 Acq On : 27 Aug 2021 1:41
 Operator : JU/CG
 Sample : M3540-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-2-082521

Quant Time: Aug 27 05:06:17 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 24 12:39:21 2021
 Response via : Initial Calibration

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

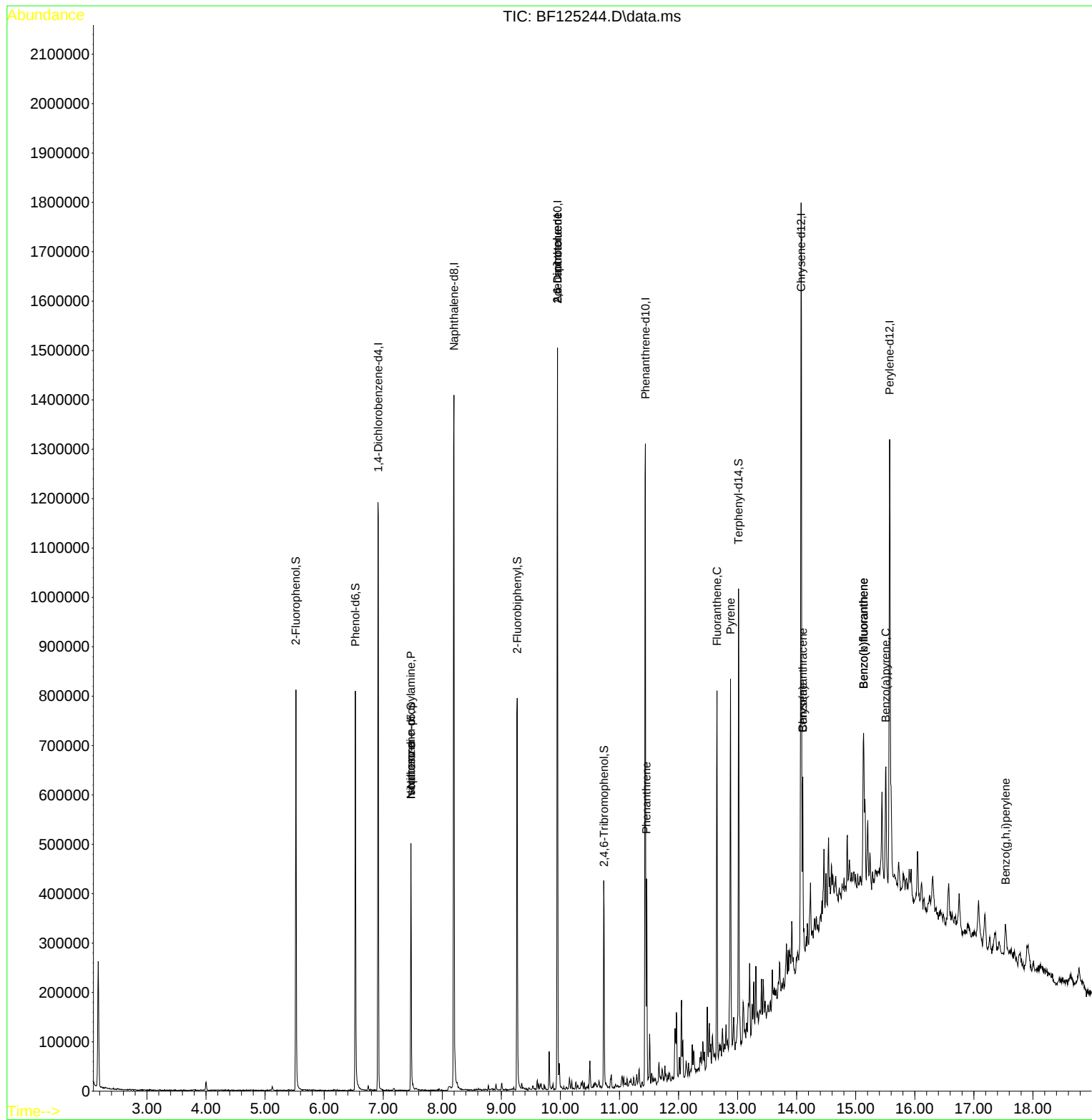
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	182704	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	658764	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	304359	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	506135	20.000	ng	0.00
76) Chrysene-d12	14.074	240	482522	20.000	ng	0.00
86) Perylene-d12	15.574	264	420839	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	198845	16.473	ng	0.00
7) Phenol-d6	6.528	99	245088	15.699	ng	-0.01
23) Nitrobenzene-d5	7.469	82	146579	11.202	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	50143	16.504	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	275535	12.617	ng	0.00
79) Terphenyl-d14	13.016	244	291601	9.627	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.469	70	19173	2.042	ng	# 61
25) Isophorone	7.469	82	146602	5.808	ng	# 59
51) 2,6-Dinitrotoluene	9.951	165	38635	8.448	ng	# 28
57) 2,4-Dinitrotoluene	9.951	165	38635	6.980	ng	# 20
71) Phenanthrene	11.457	178	147863	5.302	ng	99
75) Fluoranthene	12.651	202	277832	10.040	ng	99
78) Pyrene	12.880	202	282815	6.833	ng	98
81) Benzo(a)anthracene	14.104	228	155433	4.471	ng	96
83) Chrysene	14.104	228	155433	4.521	ng	96
88) Benzo(b)fluoranthene	15.133	252	242573	7.890	ng	96
89) Benzo(k)fluoranthene	15.133	252	242573	8.455	ng	# 95
90) Benzo(a)pyrene	15.510	252	120247	4.428	ng	99
92) Benzo(g,h,i)perylene	17.539	276	52047	2.060	ng	94

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

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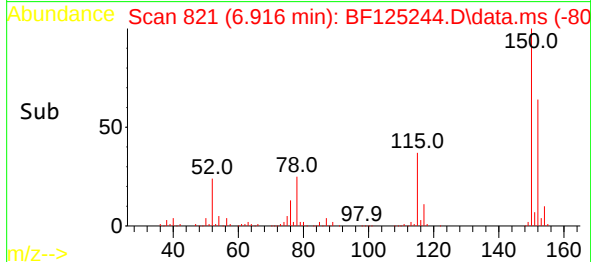
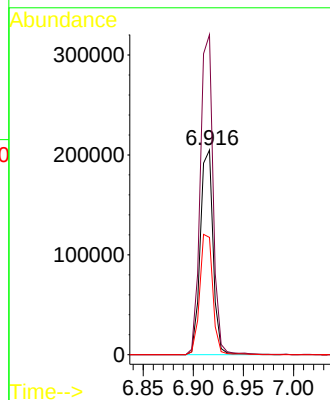
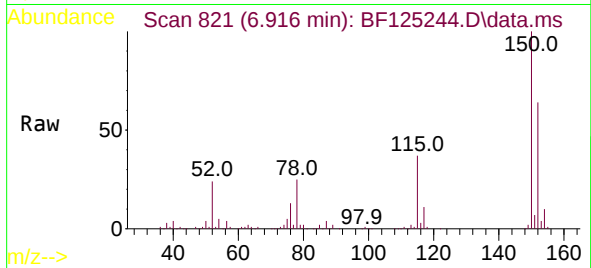




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.916 min Scan# 821
 Delta R.T. 0.000 min
 Lab File: BF125244.D
 Acq: 27 Aug 2021 1:41

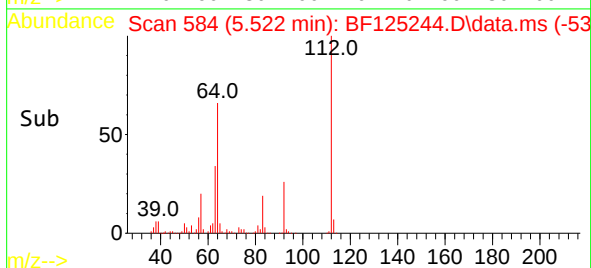
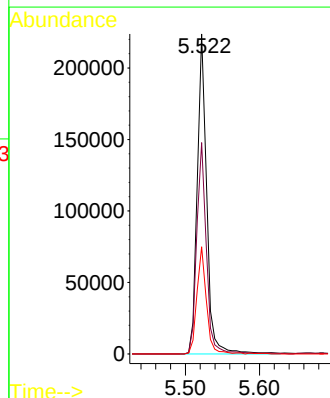
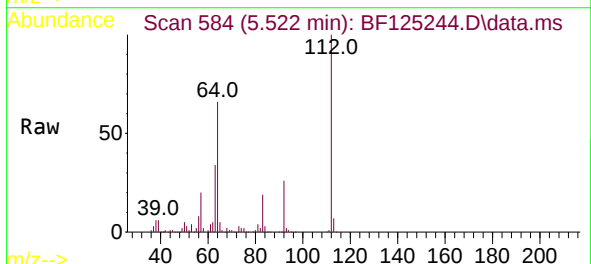
Instrument :
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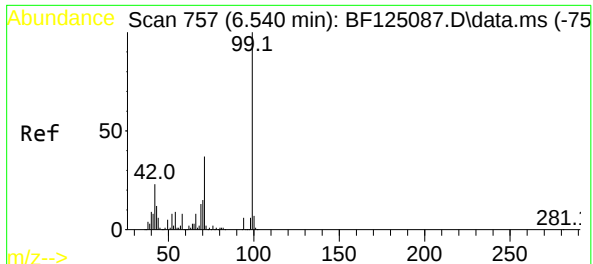
Tgt Ion:152 Resp: 182704
 Ion Ratio Lower Upper
 152 100
 150 156.3 117.6 176.4
 115 57.3 47.1 70.7



#5
 2-Fluorophenol
 Concen: 16.473 ng
 RT: 5.522 min Scan# 584
 Delta R.T. -0.006 min
 Lab File: BF125244.D
 Acq: 27 Aug 2021 1:41

Tgt Ion:112 Resp: 198845
 Ion Ratio Lower Upper
 112 100
 64 66.0 44.2 66.2
 63 33.5 26.2 39.2

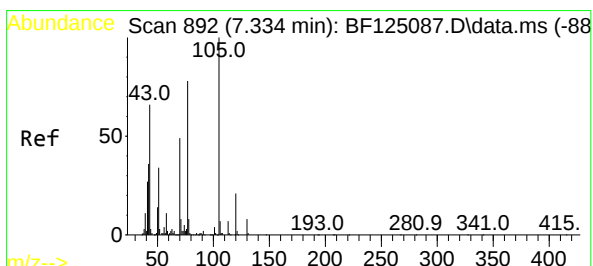
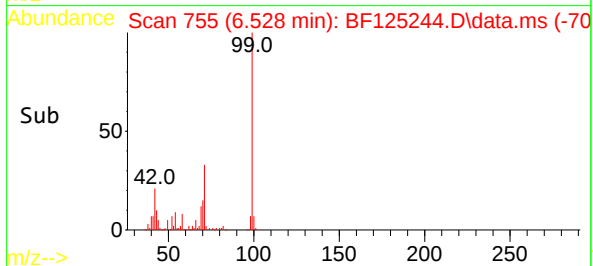
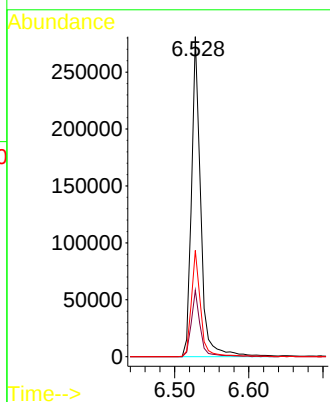
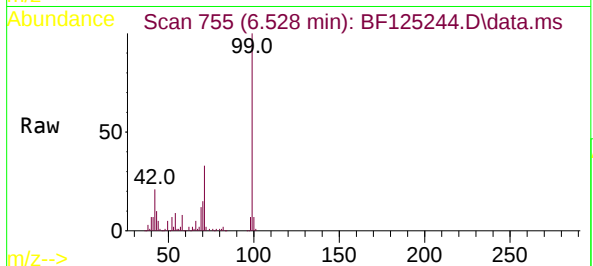




#7
Phenol-d6
Concen: 15.699 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

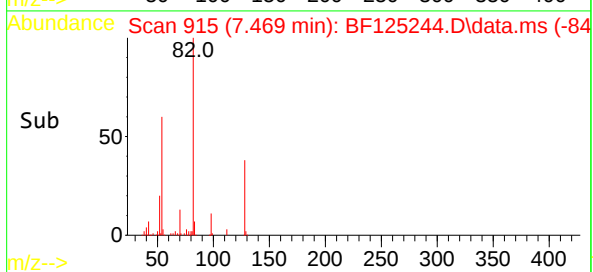
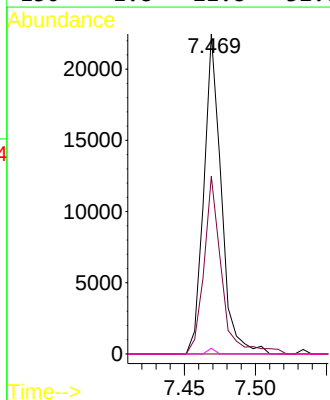
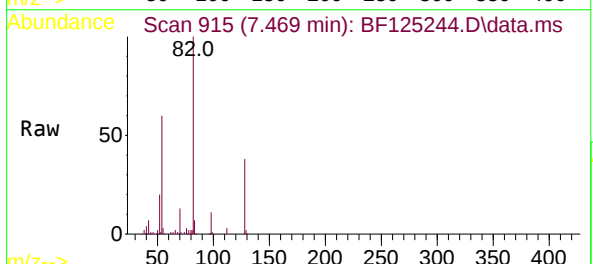
Instrument :
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ClientSampleId :
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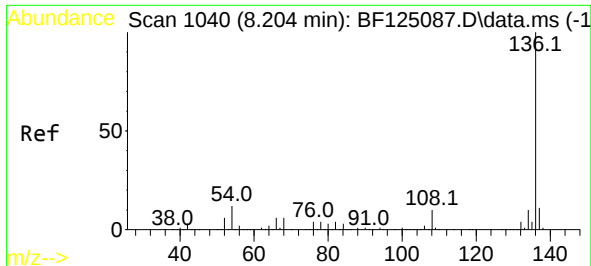
Tgt Ion: 99 Resp: 245088
Ion Ratio Lower Upper
99 100
42 20.8 23.5 35.3#
71 33.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.042 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.141 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

Tgt Ion: 70 Resp: 19173
Ion Ratio Lower Upper
70 100
42 55.6 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

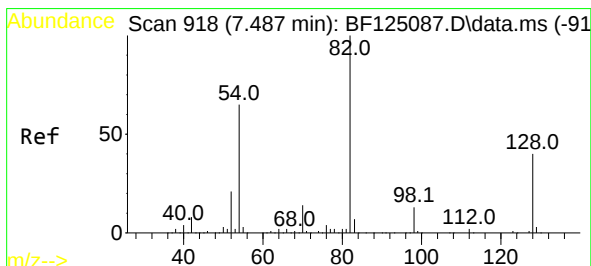
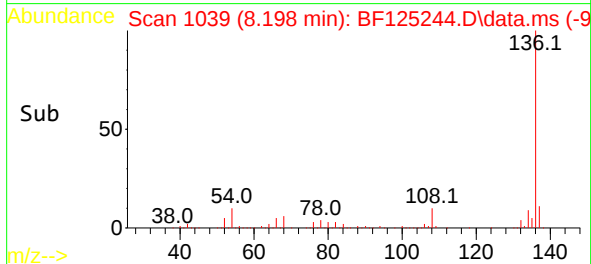
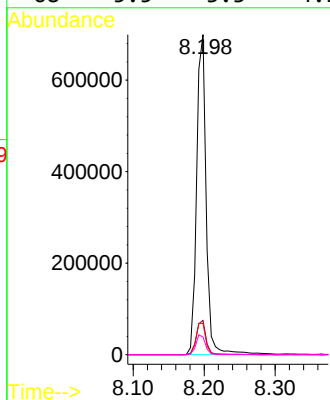
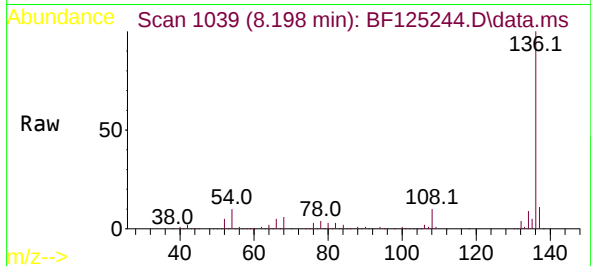




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

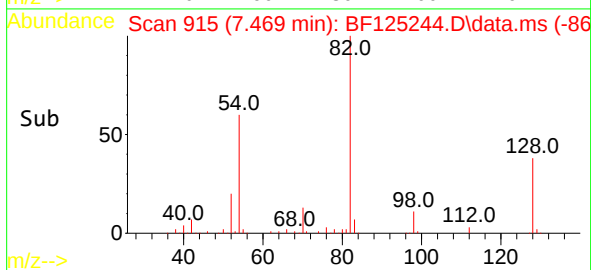
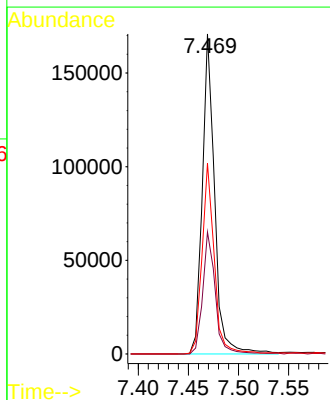
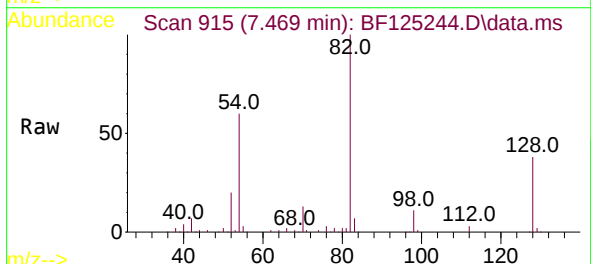
Instrument :
BNA_F
ClientSampleId :
OR-2-082521

Tgt Ion:	136	Resp:	658764
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.8	14.6
54	9.8	6.4	9.6#
68	5.5	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 11.202 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.012 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

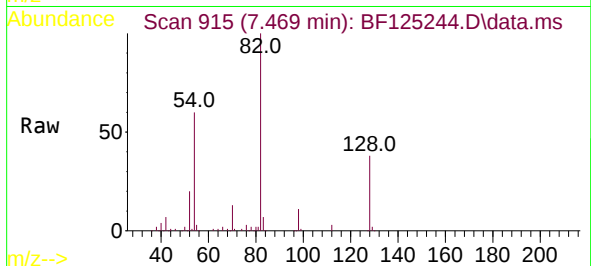
Tgt Ion:	82	Resp:	146579
Ion Ratio	Lower	Upper	
82	100		
128	38.1	40.6	60.8#
54	59.6	49.6	74.4



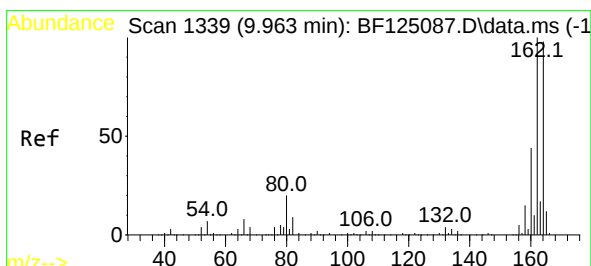
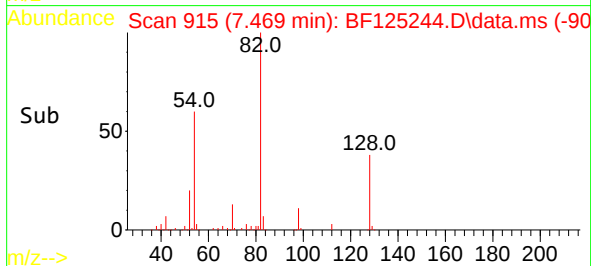
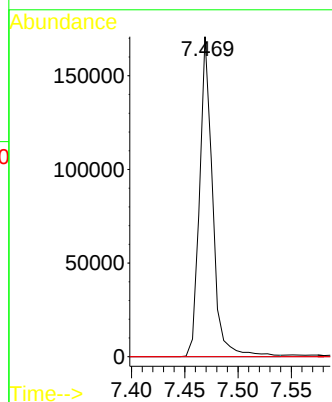


#25
Isophorone
Concen: 5.808 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.265 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

Instrument :
BNA_F
ClientSampleId :
OR-2-082521

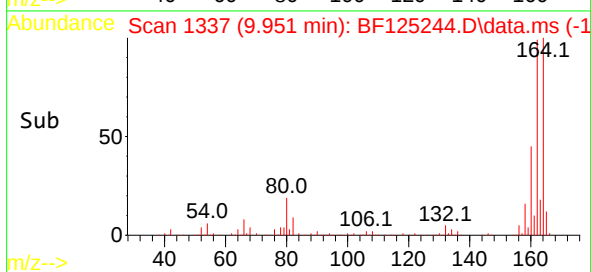
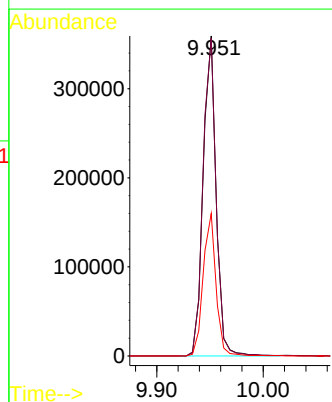
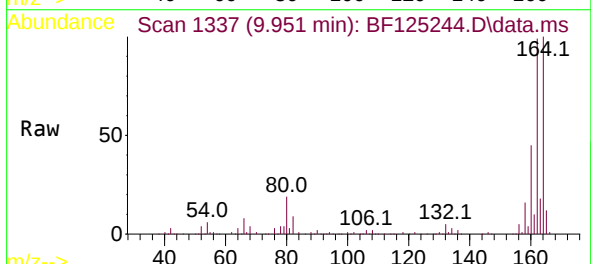


Tgt Ion: 82 Resp: 146602
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

Tgt Ion: 164 Resp: 304359
Ion Ratio Lower Upper
164 100
162 99.2 81.3 121.9
160 44.5 38.0 57.0

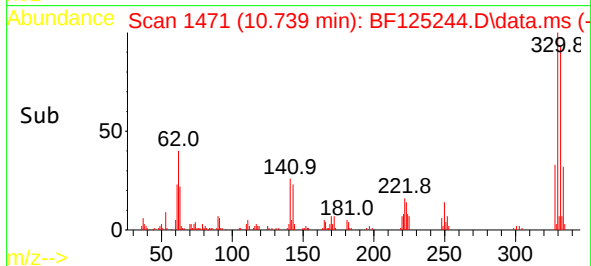
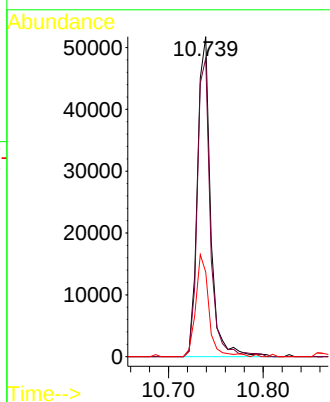
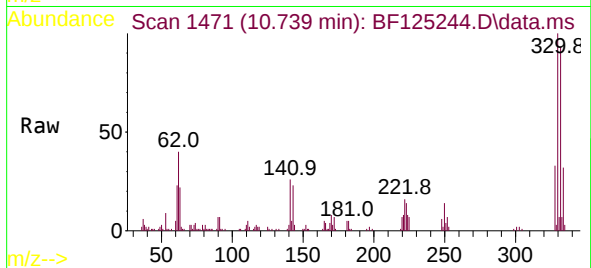




#42
2,4,6-Tribromophenol
Concen: 16.504 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

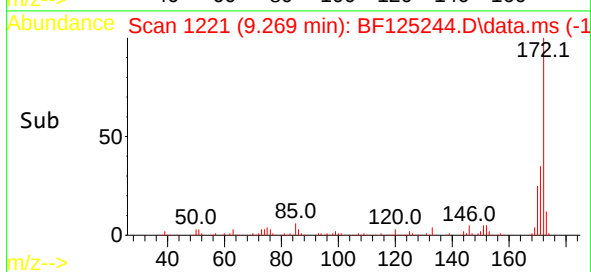
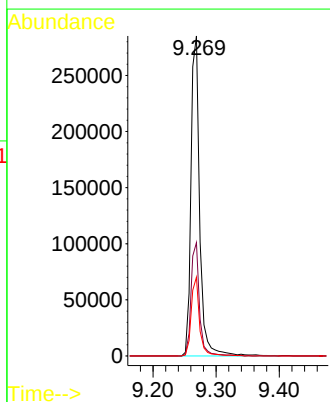
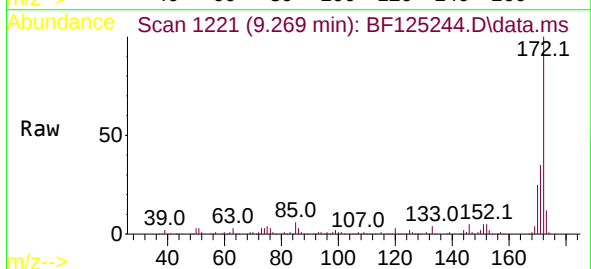
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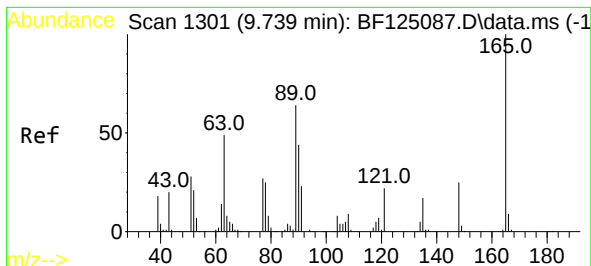
Tgt Ion:330 Resp: 50143
Ion Ratio Lower Upper
330 100
332 92.8 76.2 114.4
141 31.7 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 12.617 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

Tgt Ion:172 Resp: 275535
Ion Ratio Lower Upper
172 100
171 35.4 26.5 39.7
170 24.6 18.8 28.2

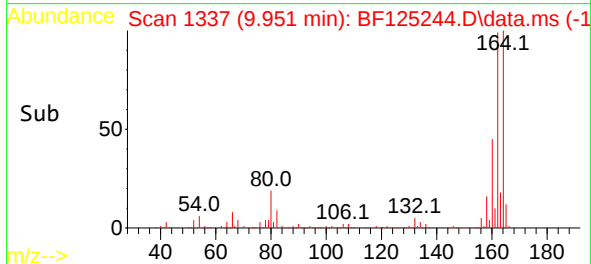
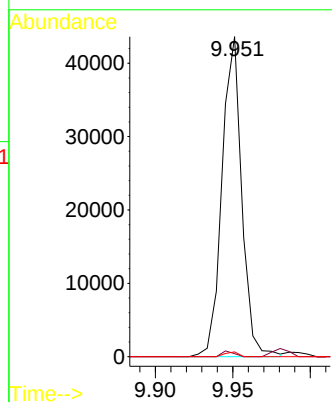
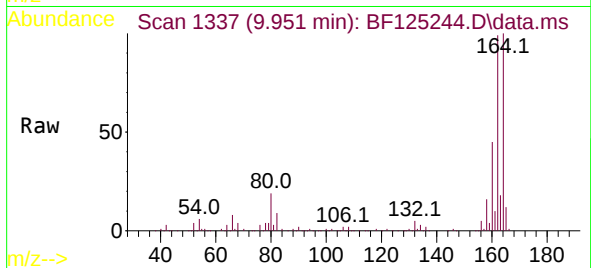




#51
2,6-Dinitrotoluene
Concen: 8.448 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.218 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

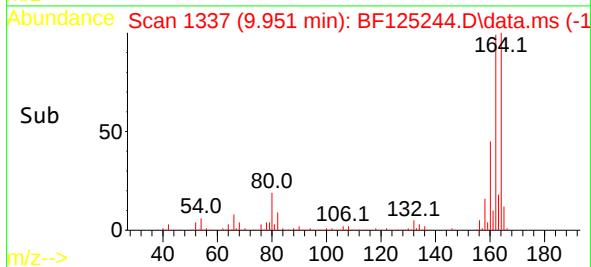
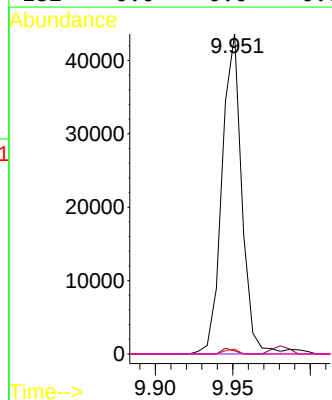
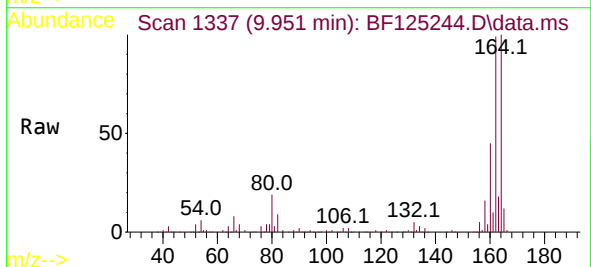
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BNA_F
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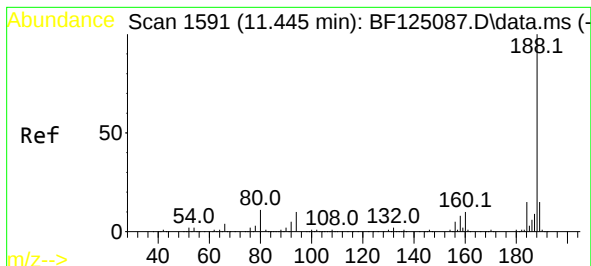
Tgt Ion:165 Resp: 38635
Ion Ratio Lower Upper
165 100
63 0.9 42.6 63.8#
89 1.5 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 6.980 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.182 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

Tgt Ion:165 Resp: 38635
Ion Ratio Lower Upper
165 100
63 0.9 40.9 61.3#
89 1.5 59.7 89.5#
182 0.0 0.0 0.0

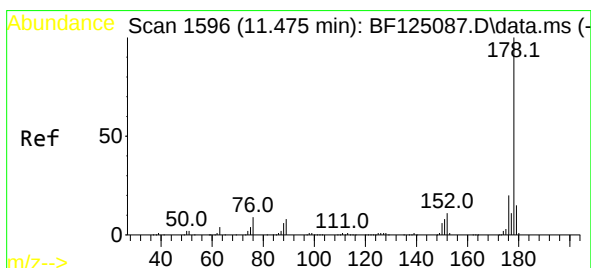
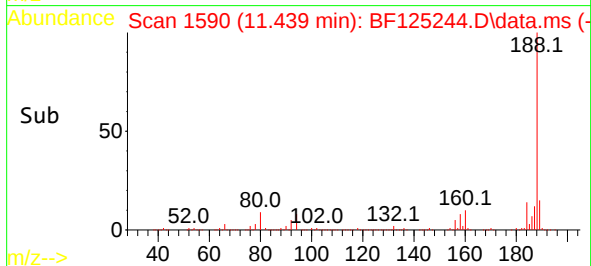
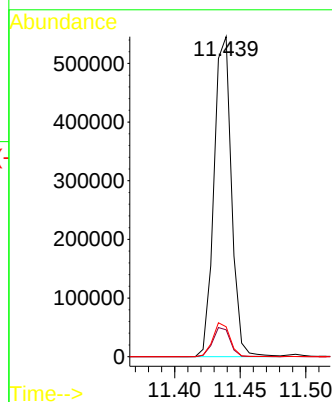
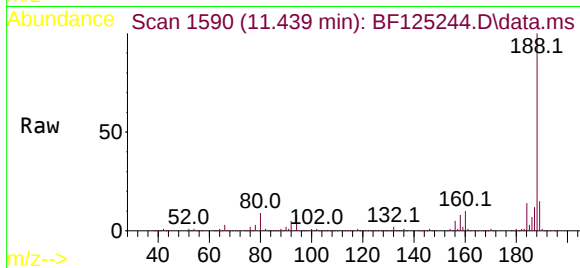




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

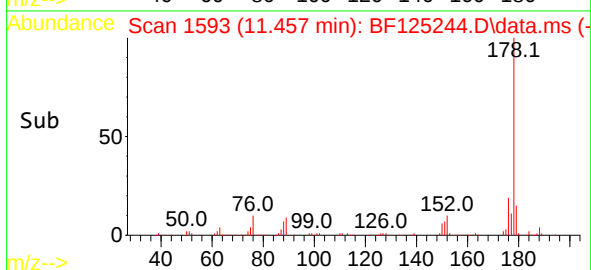
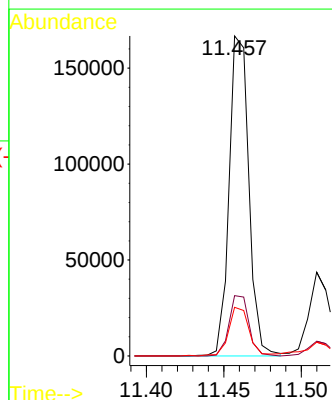
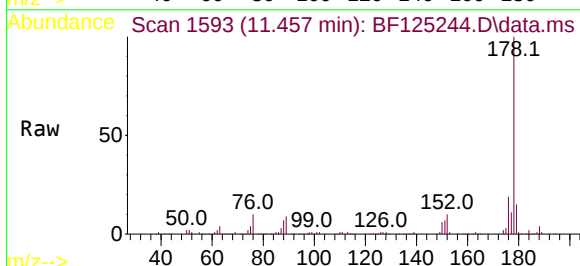
Instrument :
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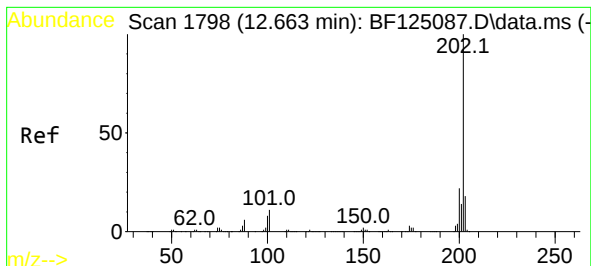
Tgt Ion:188 Resp: 506135
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 9.4 7.5 11.3



#71
Phenanthrene
Concen: 5.302 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

Tgt Ion:178 Resp: 147863
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.2 11.5 17.3

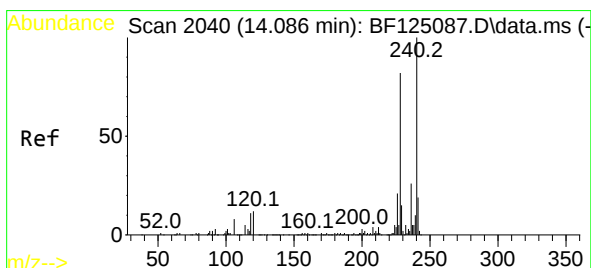
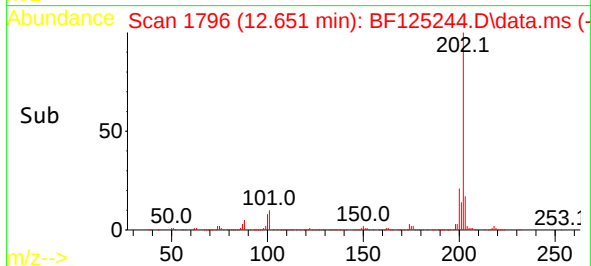
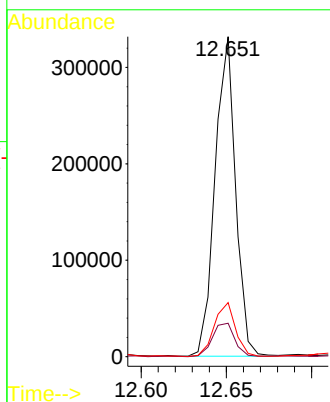
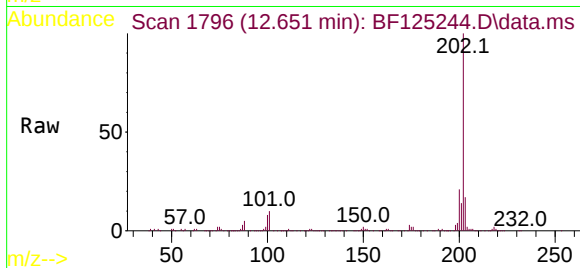




#75
Fluoranthene
Concen: 10.040 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

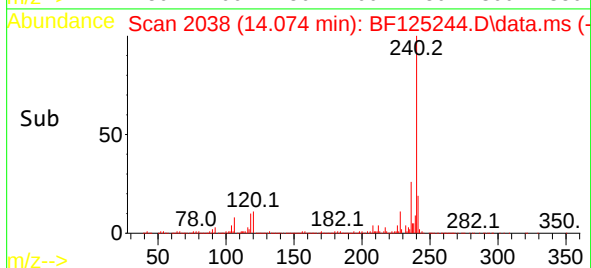
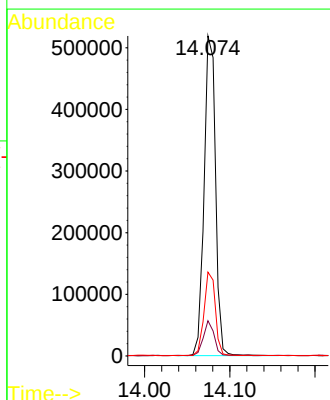
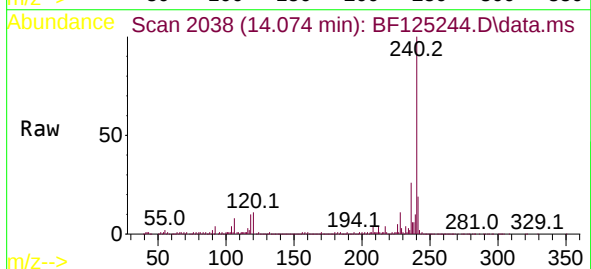
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ClientSampleId :
OR-2-082521

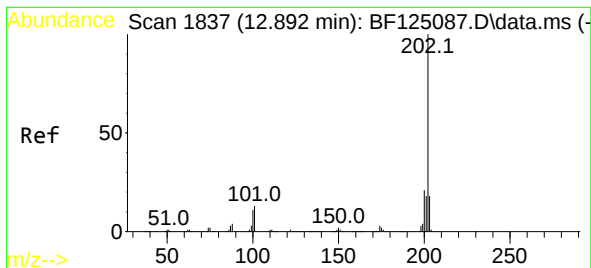
Tgt Ion:202 Resp: 277832
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.7
203 16.9 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

Tgt Ion:240 Resp: 482522
Ion Ratio Lower Upper
240 100
120 11.0 10.8 16.2
236 26.2 21.6 32.4





#78

Pyrene

Concen: 6.833 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BF125244.D

Acq: 27 Aug 2021 1:41

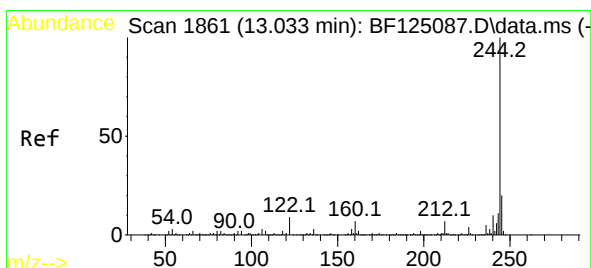
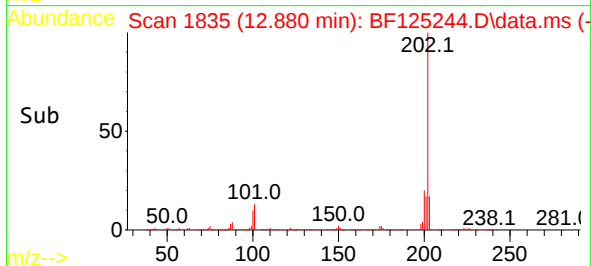
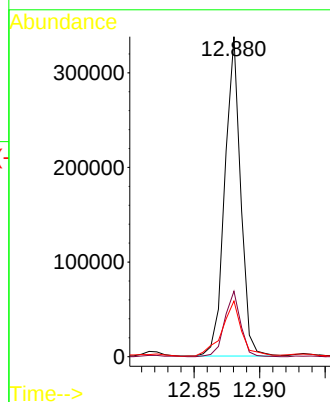
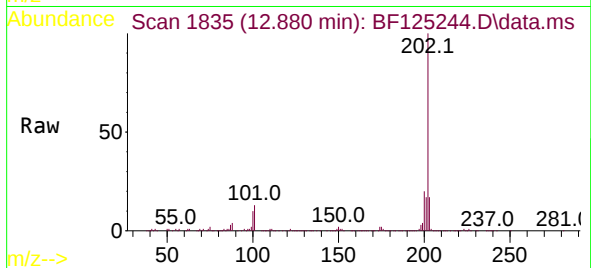
Tgt Ion:202 Resp: 282815

Ion Ratio Lower Upper

202 100

200 20.5 15.3 22.9

203 17.4 13.4 20.0



#79

Terphenyl-d14

Concen: 9.627 ng

RT: 13.016 min Scan# 1858

Delta R.T. -0.006 min

Lab File: BF125244.D

Acq: 27 Aug 2021 1:41

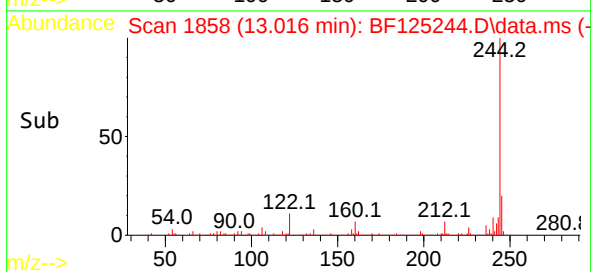
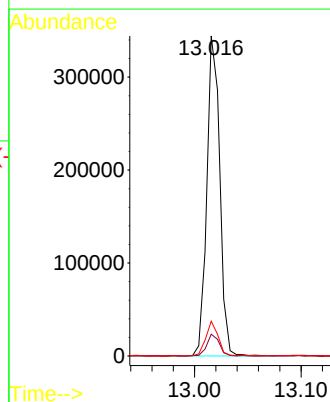
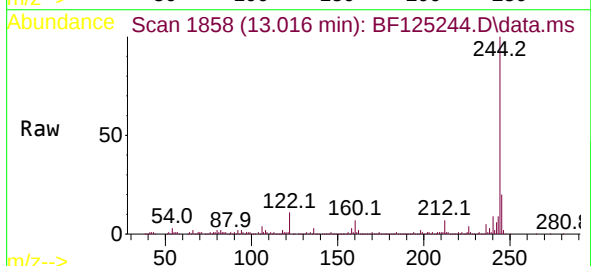
Tgt Ion:244 Resp: 291601

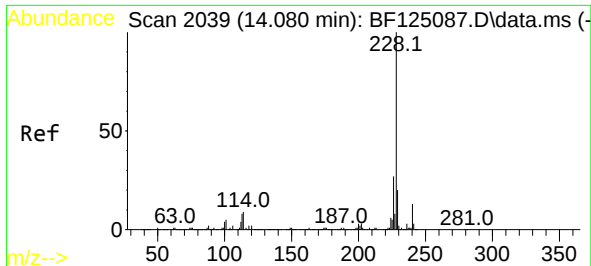
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 10.9 9.0 13.4

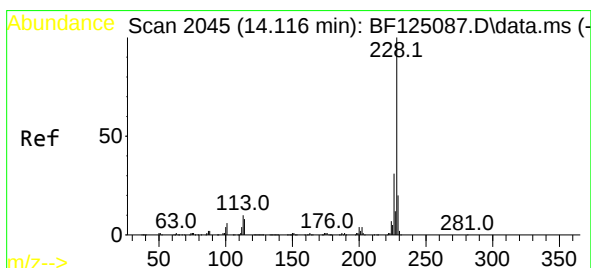
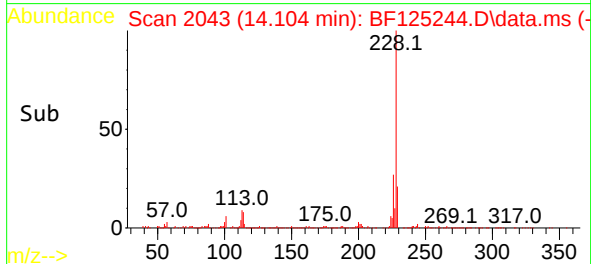
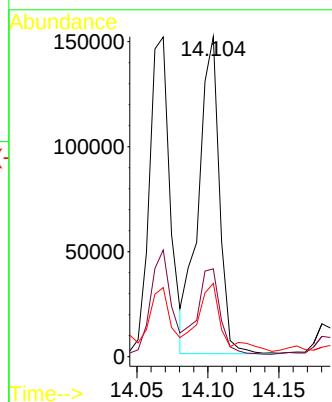
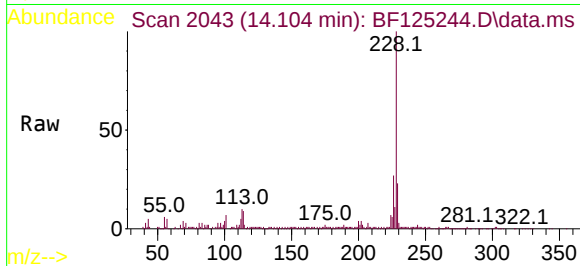




#81
Benzo(a)anthracene
Concen: 4.471 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.035 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

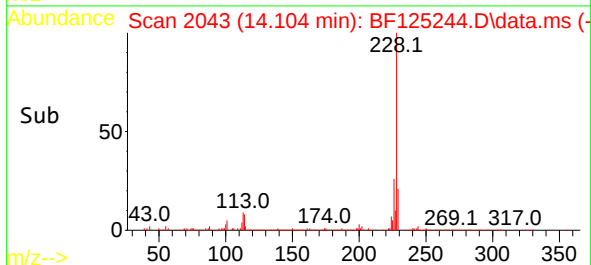
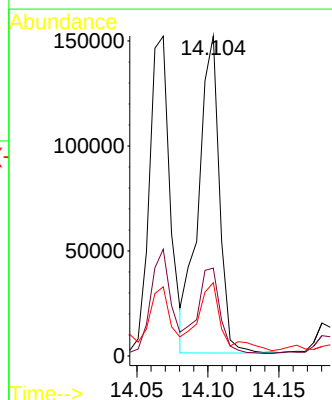
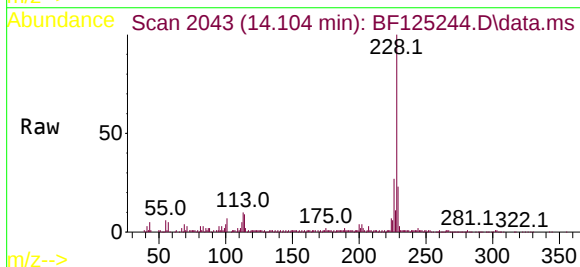
Instrument :
BNA_F
ClientSampleId :
OR-2-082521

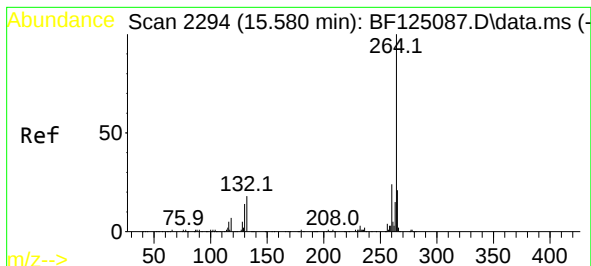
Tgt Ion:228 Resp: 155433
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 22.9 15.6 23.4



#83
Chrysene
Concen: 4.521 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

Tgt Ion:228 Resp: 155433
Ion Ratio Lower Upper
228 100
226 27.5 22.6 34.0
229 22.9 15.9 23.9

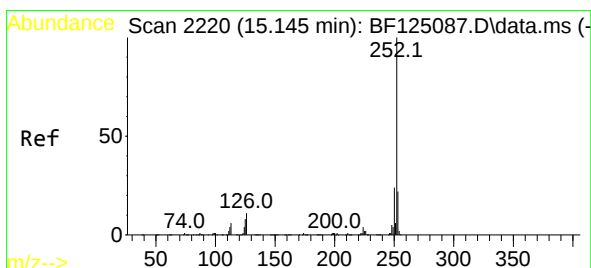
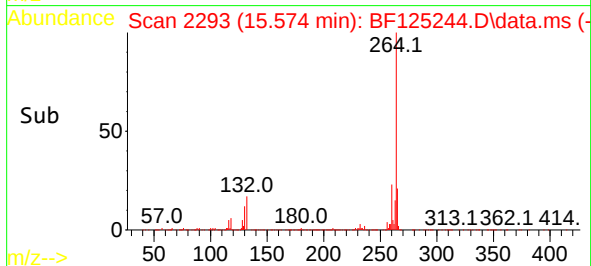
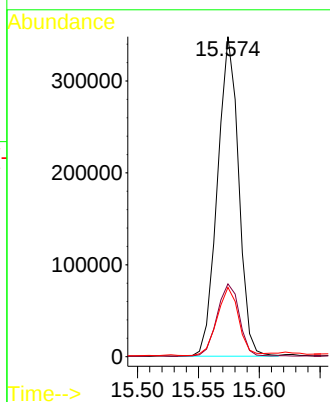
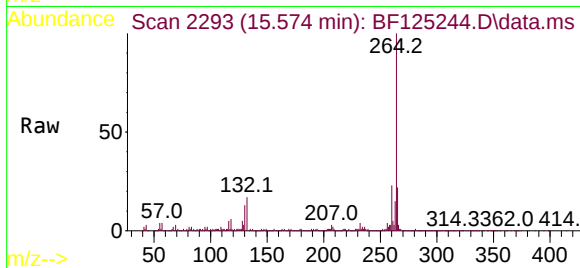




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2293
Delta R.T. 0.000 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

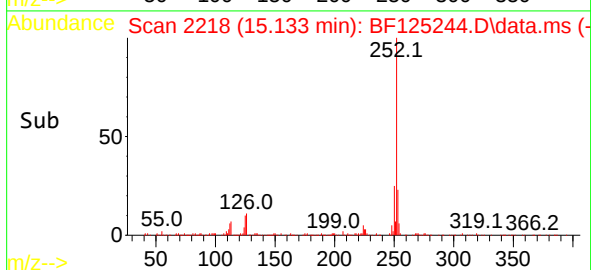
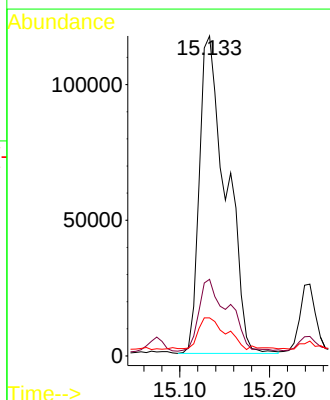
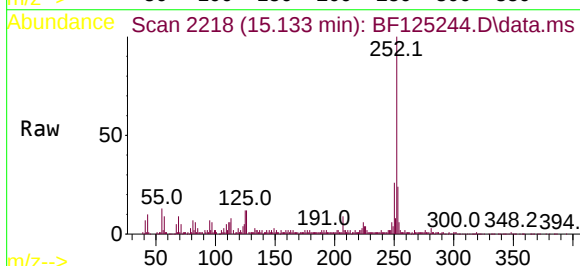
Instrument :
BNA_F
ClientSampleId :
OR-2-082521

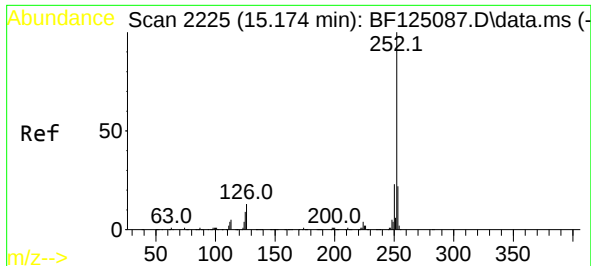
Tgt Ion:264 Resp: 420839
Ion Ratio Lower Upper
264 100
260 22.8 19.6 29.4
265 21.6 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 7.890 ng
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

Tgt Ion:252 Resp: 242573
Ion Ratio Lower Upper
252 100
253 23.9 16.8 25.2
125 11.9 9.8 14.8

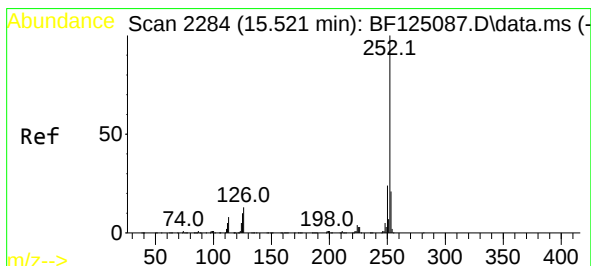
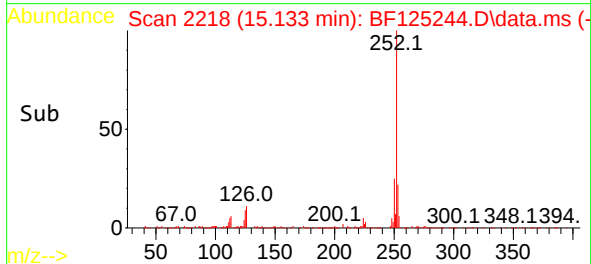
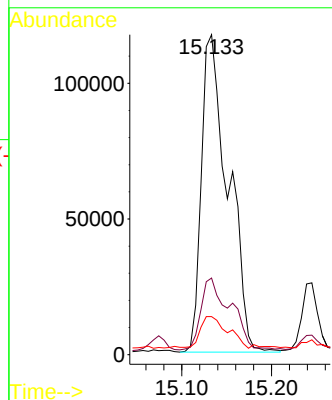
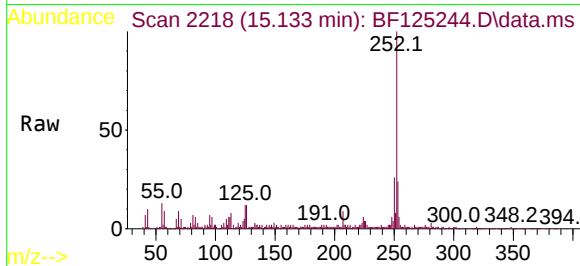




#89
Benzo(k)fluoranthene
Concen: 8.455 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.035 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

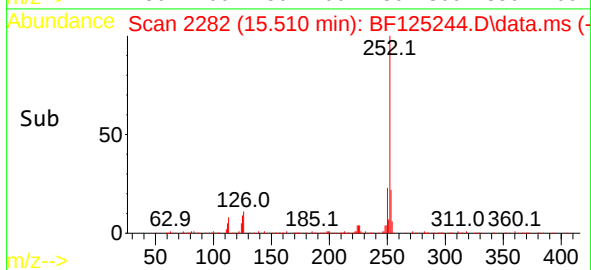
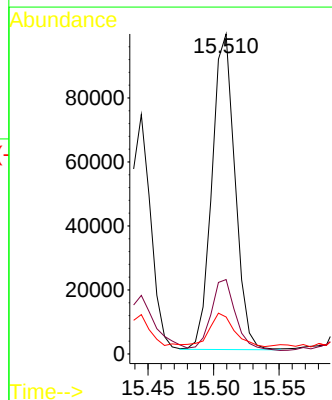
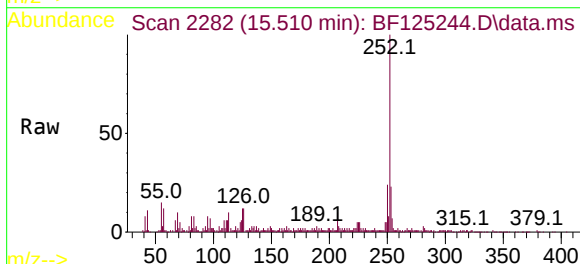
Instrument :
BNA_F
ClientSampleId :
OR-2-082521

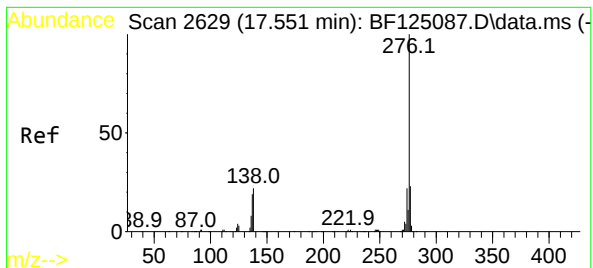
Tgt Ion:252 Resp: 242573
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 11.9 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 4.428 ng
RT: 15.510 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF125244.D
Acq: 27 Aug 2021 1:41

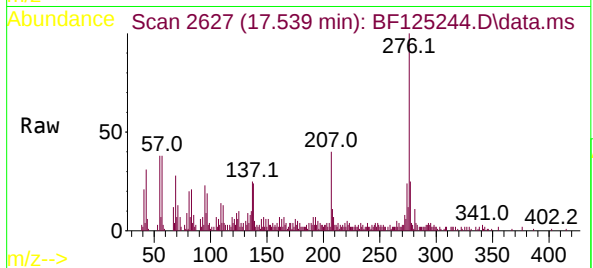
Tgt Ion:252 Resp: 120247
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 11.6 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 2.060 ng
 RT: 17.539 min Scan# 2627
 Delta R.T. -0.012 min
 Lab File: BF125244.D
 Acq: 27 Aug 2021 1:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-2-082521



Tgt Ion:	276	Resp:	52047
Ion Ratio	Lower	Upper	
276	100		
277	25.2	22.0	33.0
138	24.2	22.2	33.4

