

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082021\
 Data File : BF125141.D
 Acq On : 20 Aug 2021 18:36
 Operator : JU/CG
 Sample : M3476-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081821

Quant Time: Aug 21 02:01:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 18 17:03:50 2021
 Response via : Initial Calibration

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

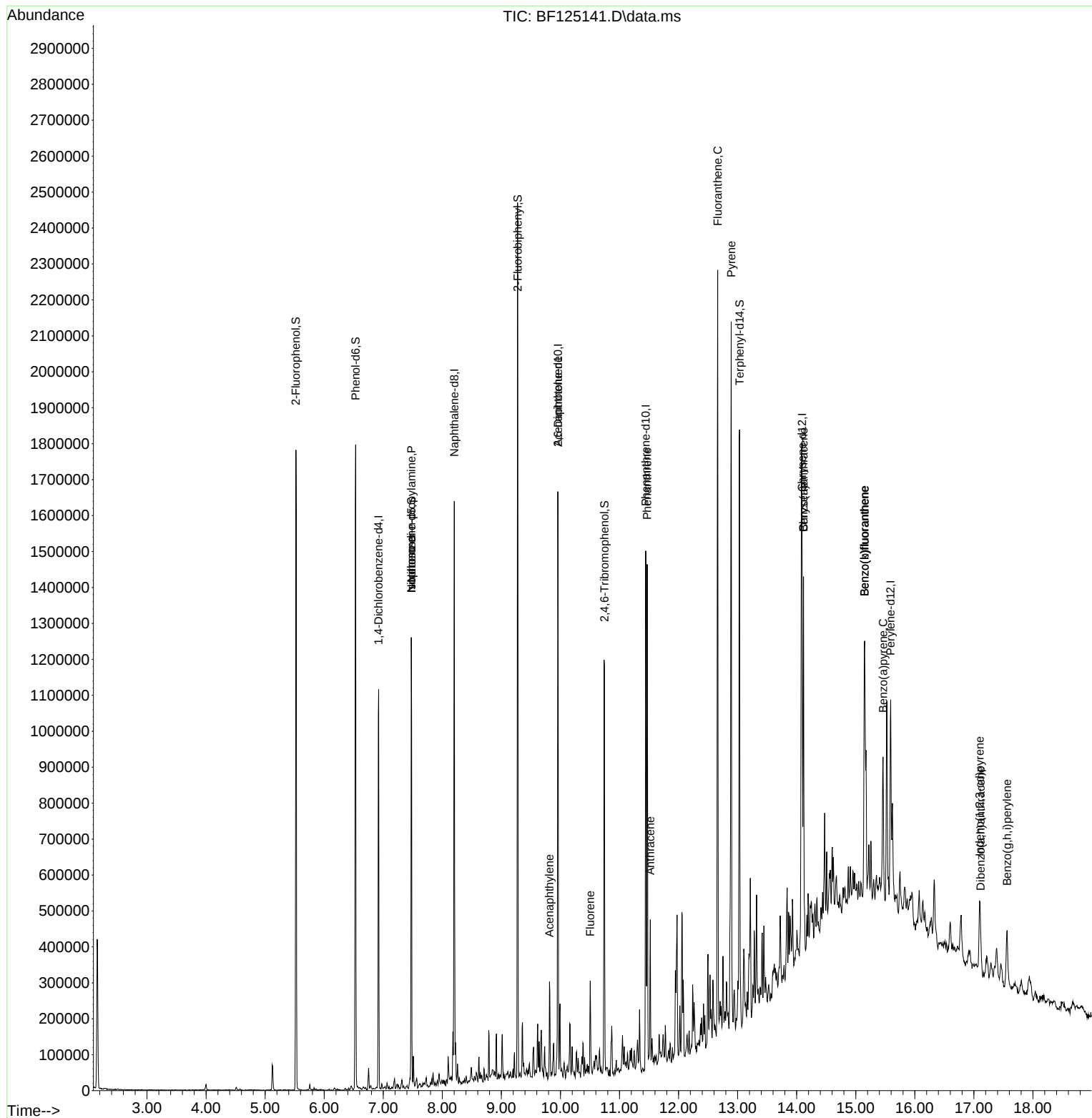
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	156600	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	599618	20.000	ng	# 0.00
39) Acenaphthene-d10	9.957	164	308084	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	483968	20.000	ng	0.00
76) Chrysene-d12	14.092	240	343105	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	254544	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	439714	42.500	ng	-0.01
7) Phenol-d6	6.534	99	538257	40.226	ng	0.00
23) Nitrobenzene-d5	7.475	82	348315	29.245	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	129562	42.129	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	666621	30.157	ng	0.00
79) Terphenyl-d14	13.033	244	595571	27.653	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	45956	5.710	ng	# 61
25) Isophorone	7.475	82	345654	15.044	ng	# 59
49) Acenaphthylene	9.816	152	96386	3.277	ng	100
51) 2,6-Dinitrotoluene	9.957	165	42385	9.156	ng	# 28
58) Fluorene	10.504	166	67180	3.463	ng	98
71) Phenanthrene	11.469	178	472500	17.719	ng	98
72) Anthracene	11.522	178	145256	5.526	ng	99
75) Fluoranthene	12.663	202	804685	30.411	ng	97
78) Pyrene	12.892	202	792798	26.937	ng	97
81) Benzo(a)anthracene	14.115	228	414127	16.752	ng	94
83) Chrysene	14.115	228	414127	16.939	ng	96
87) Indeno(1,2,3-cd)pyrene	17.098	276	140885	7.683	ng	# 89
88) Benzo(b)fluoranthene	15.151	252	591312	31.797	ng	95
89) Benzo(k)fluoranthene	15.151	252	591312	34.075	ng	98
90) Benzo(a)pyrene	15.462	252	202143	12.306	ng	97
91) Dibenzo(a,h)anthracene	17.115	278	36892	2.327	ng	# 90
92) Benzo(g,h,i)perylene	17.562	276	134026	8.769	ng	# 89

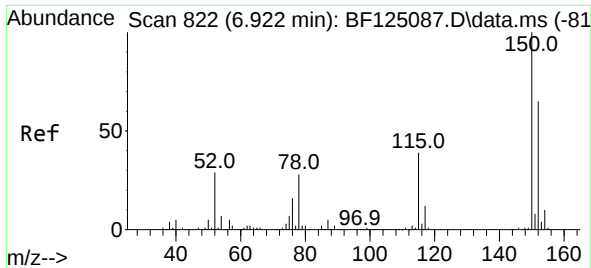
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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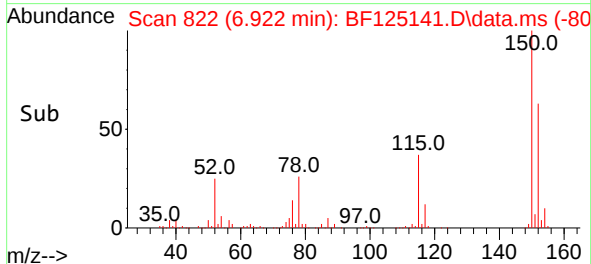
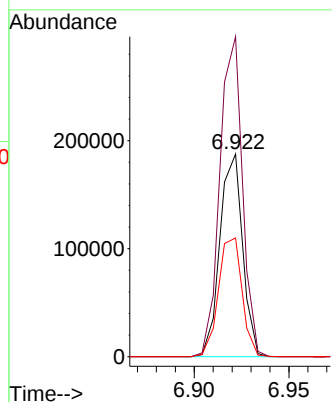
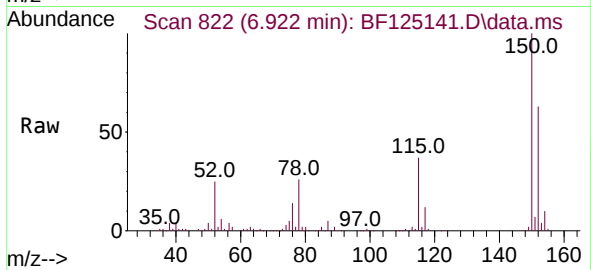




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.922 min Scan# 822
 Delta R.T. -0.000 min
 Lab File: BF125141.D
 Acq: 20 Aug 2021 18:36

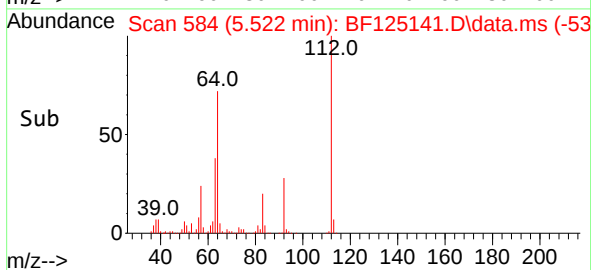
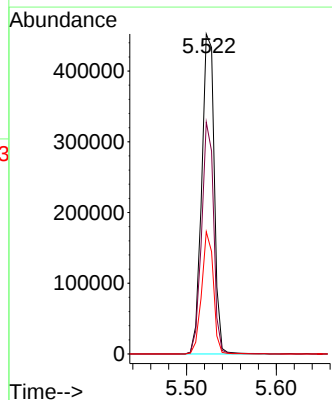
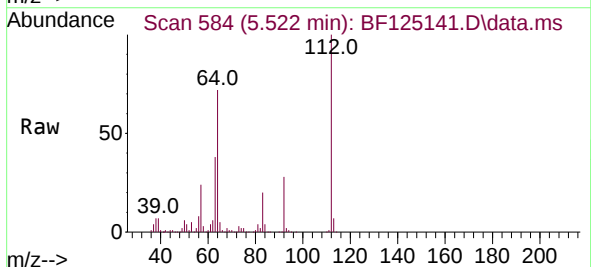
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081821

Tgt Ion:152 Resp: 156600
 Ion Ratio Lower Upper
 152 100
 150 157.8 117.6 176.4
 115 58.5 47.1 70.7



#5
 2-Fluorophenol
 Concen: 42.500 ng
 RT: 5.522 min Scan# 584
 Delta R.T. -0.012 min
 Lab File: BF125141.D
 Acq: 20 Aug 2021 18:36

Tgt Ion:112 Resp: 439714
 Ion Ratio Lower Upper
 112 100
 64 72.5 44.2 66.2#
 63 38.2 26.2 39.2

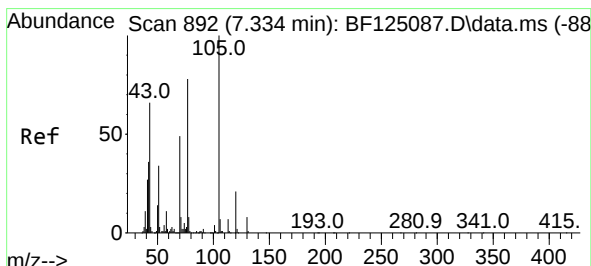
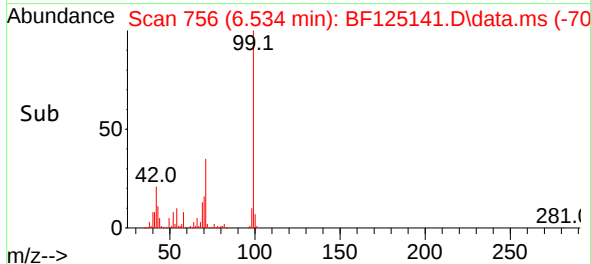
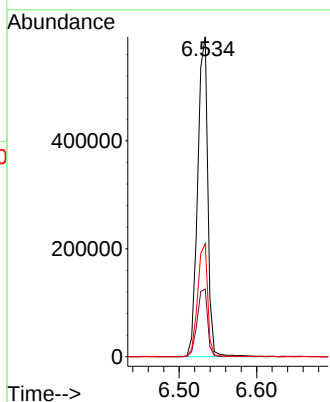
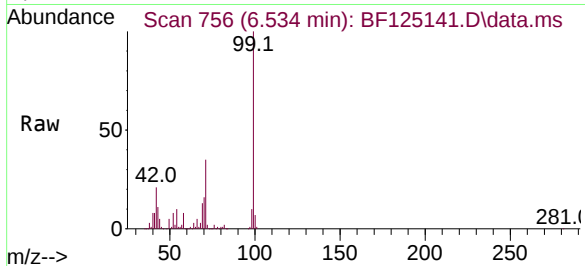




#7
Phenol-d6
Concen: 40.226 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

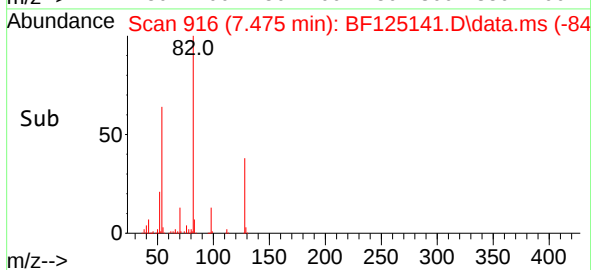
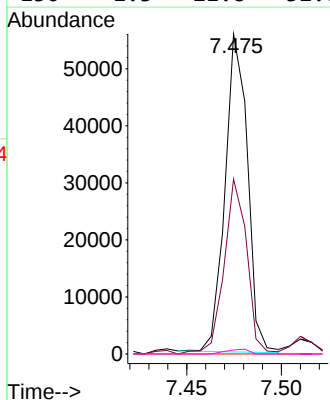
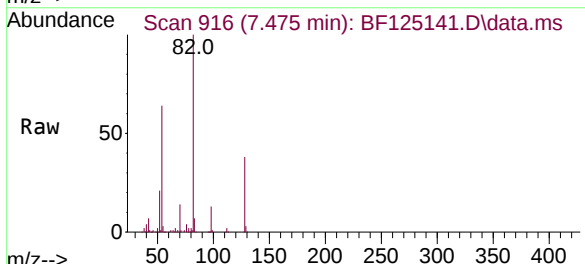
Instrument :
BNA_F
ClientSampleId :
OR-03-081821

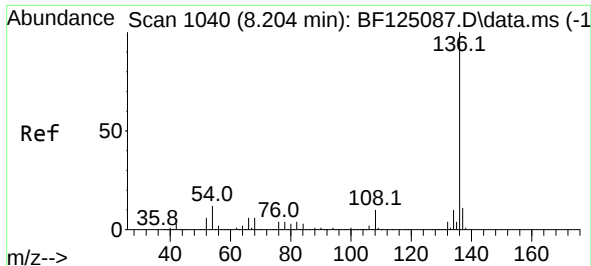
Tgt Ion: 99 Resp: 538257
Ion Ratio Lower Upper
99 100
42 21.2 23.5 35.3#
71 35.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.710 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.141 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion: 70 Resp: 45956
Ion Ratio Lower Upper
70 100
42 54.6 72.2 108.2#
101 0.0 7.8 11.8#
130 1.3 21.8 32.6#

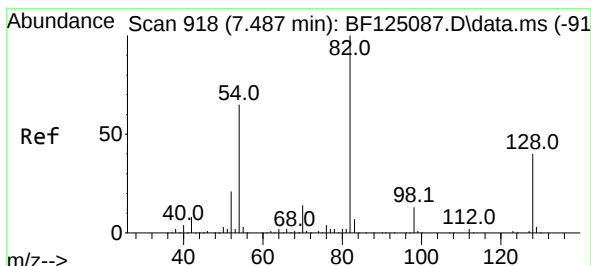
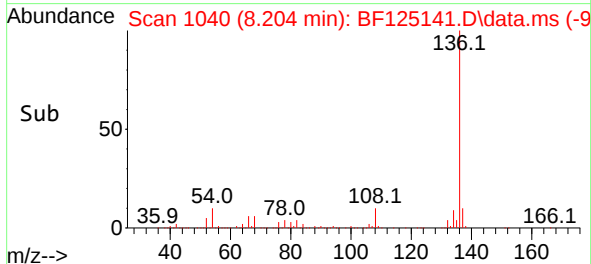
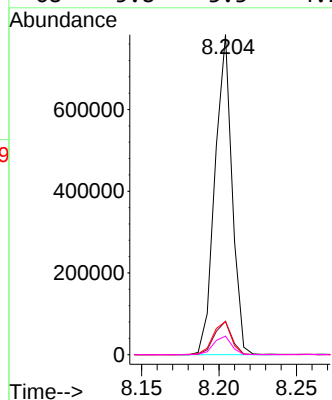
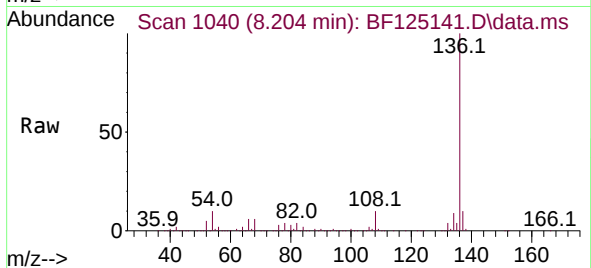




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

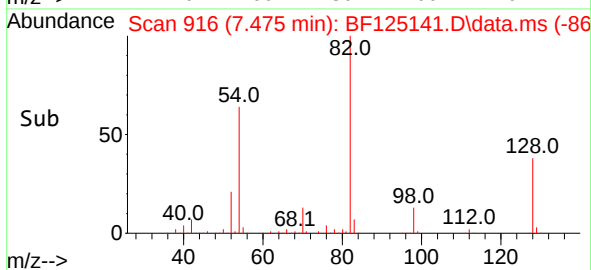
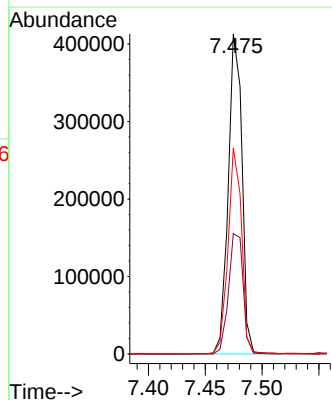
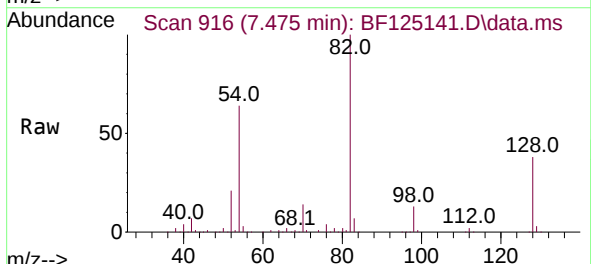
Instrument :
BNA_F
ClientSampleId :
OR-03-081821

Tgt Ion:	136	Resp:	599618
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.8	14.6
54	10.3	6.4	9.6#
68	5.8	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 29.245 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.012 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion:	82	Resp:	348315
Ion	Ratio	Lower	Upper
82	100		
128	37.6	40.6	60.8#
54	64.4	49.6	74.4

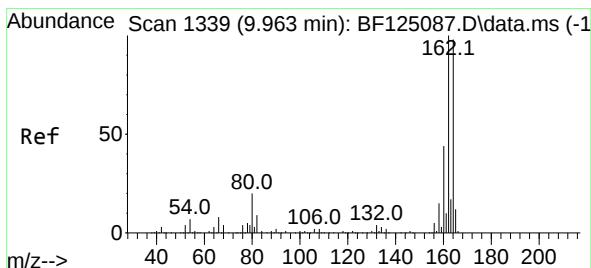
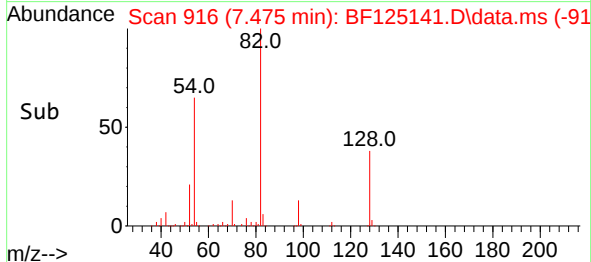
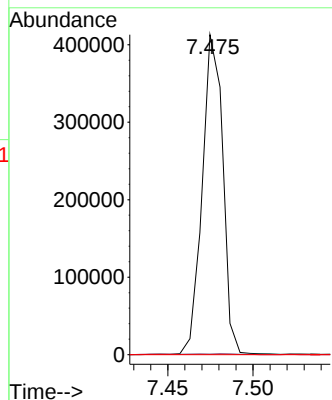
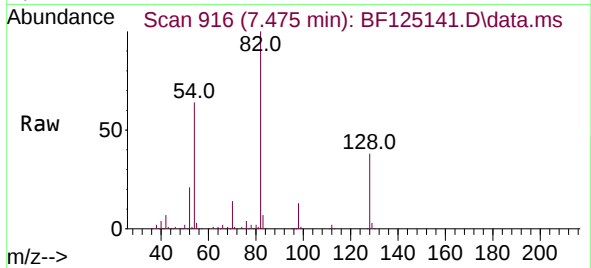




#25
Isophorone
Concen: 15.044 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.271 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

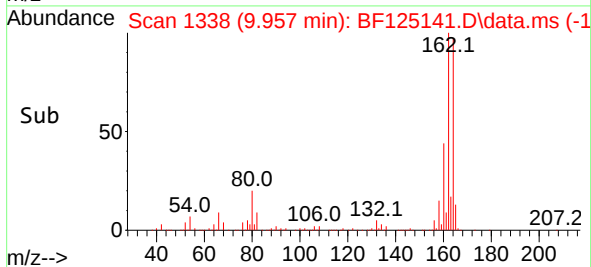
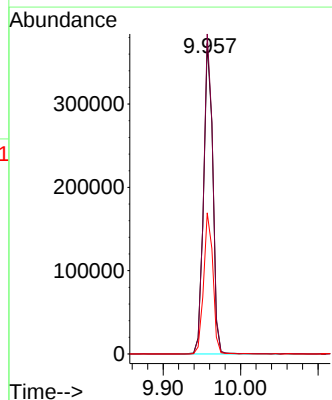
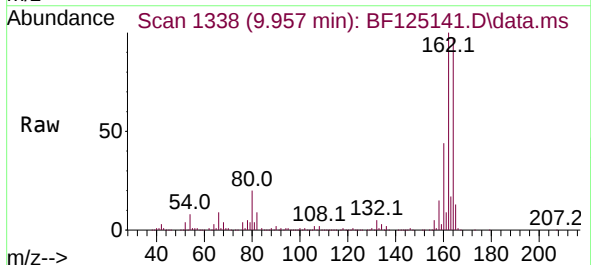
Instrument :
BNA_F
ClientSampleId :
OR-03-081821

Tgt Ion: 82 Resp: 345654
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion: 164 Resp: 308084
Ion Ratio Lower Upper
164 100
162 103.0 81.3 121.9
160 45.4 38.0 57.0

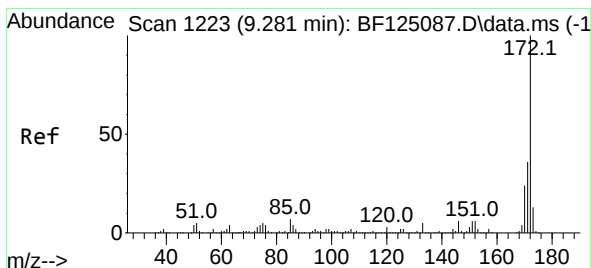
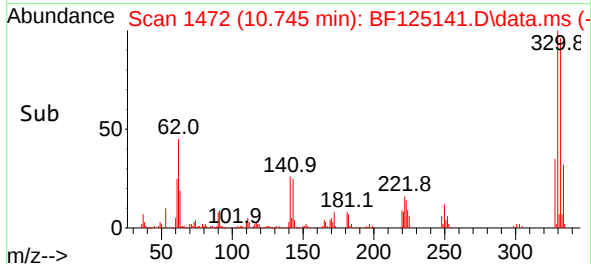
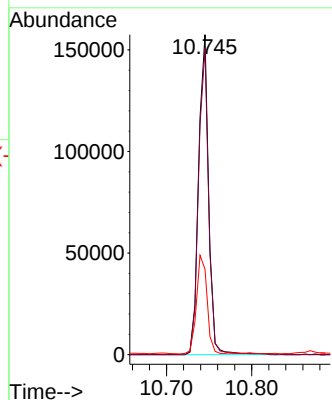
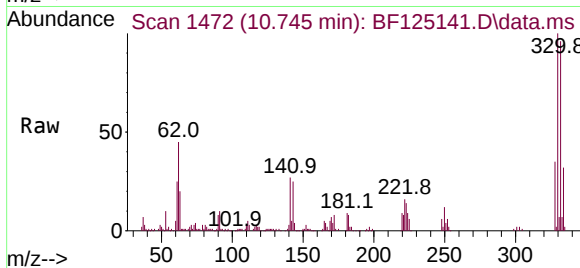




#42
2,4,6-Tribromophenol
Concen: 42.129 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.006 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

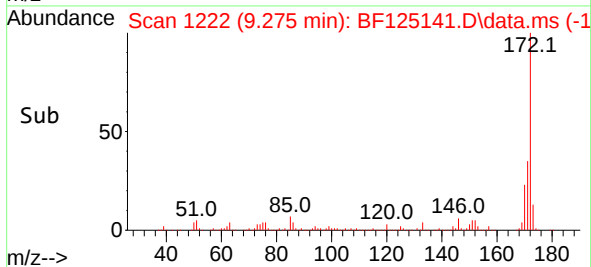
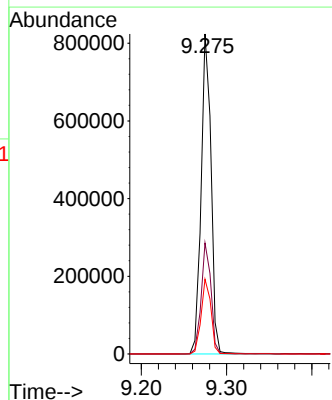
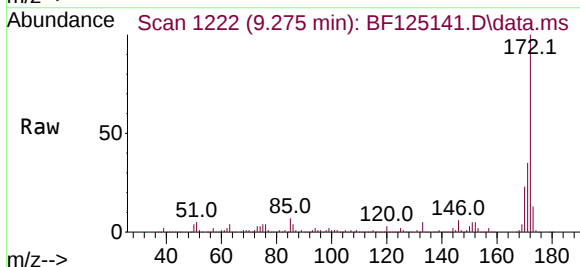
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ClientSampleId :
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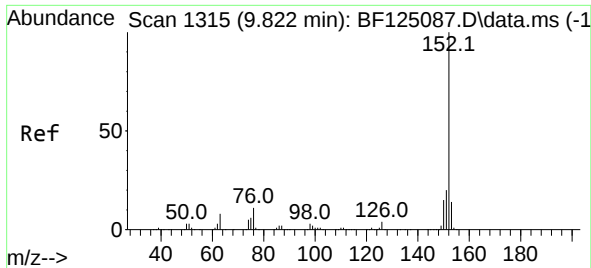
Tgt Ion: 330 Resp: 129562
Ion Ratio Lower Upper
330 100
332 95.6 76.2 114.4
141 32.2 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 30.157 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion: 172 Resp: 666621
Ion Ratio Lower Upper
172 100
171 34.7 26.5 39.7
170 23.3 18.8 28.2

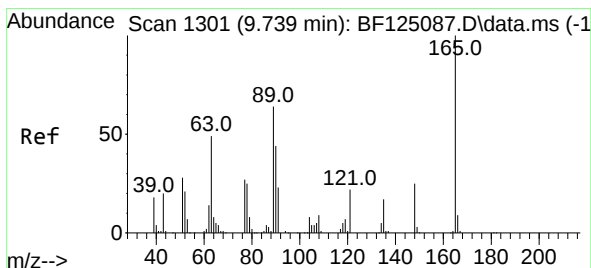
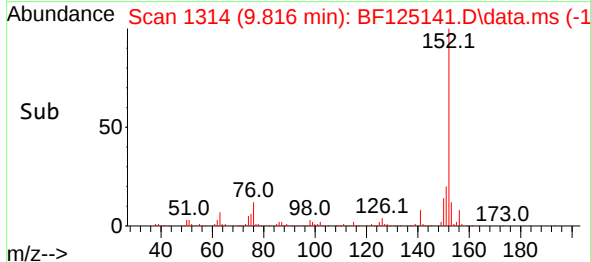
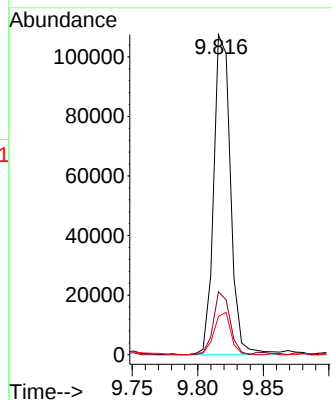
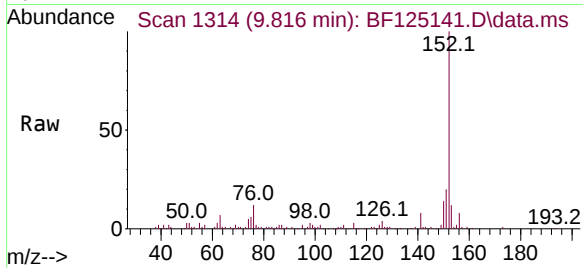




#49
Acenaphthylene
Concen: 3.277 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

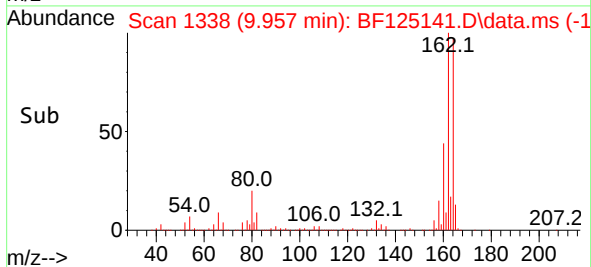
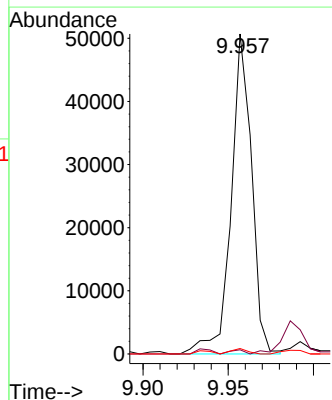
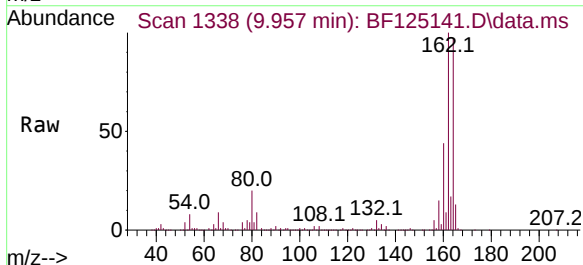
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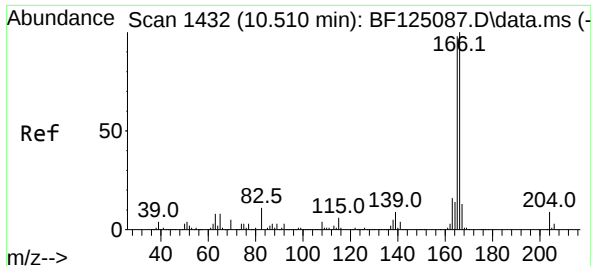
Tgt Ion:152 Resp: 96386
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 12.0 9.8 14.8



#51
2,6-Dinitrotoluene
Concen: 9.156 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.218 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion:165 Resp: 42385
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.7 40.6 60.8#

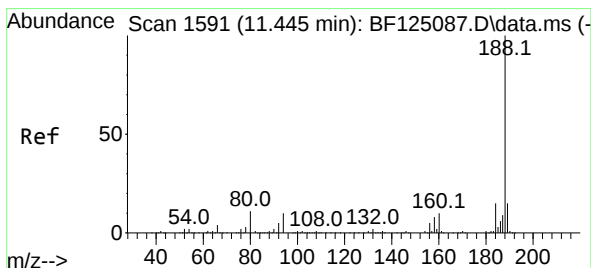
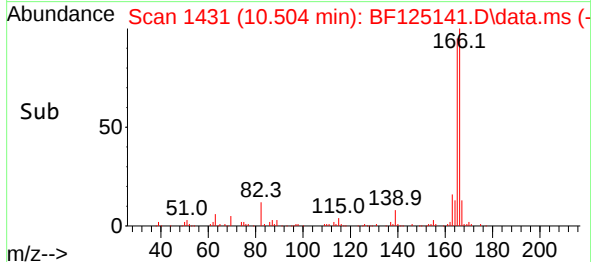
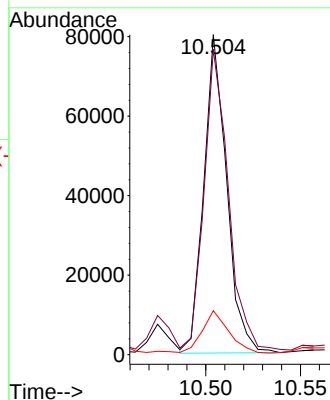
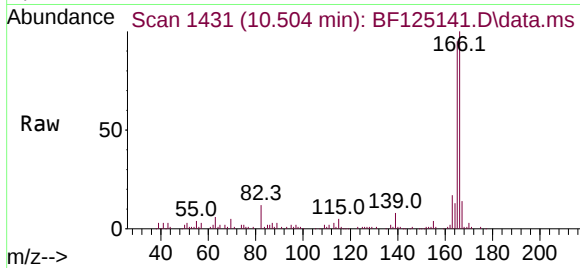




#58
Fluorene
Concen: 3.463 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

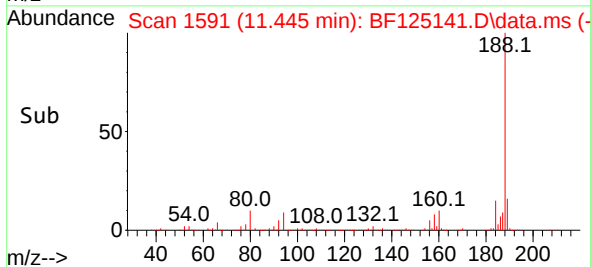
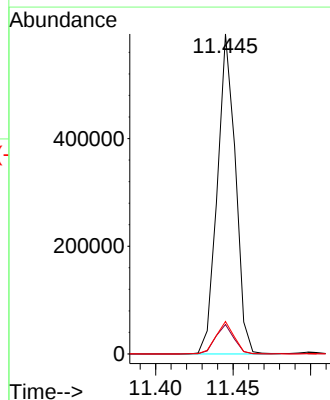
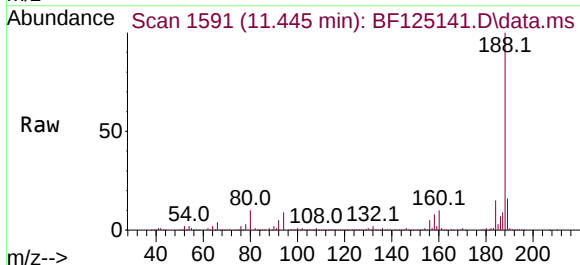
Instrument :
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OR-03-081821

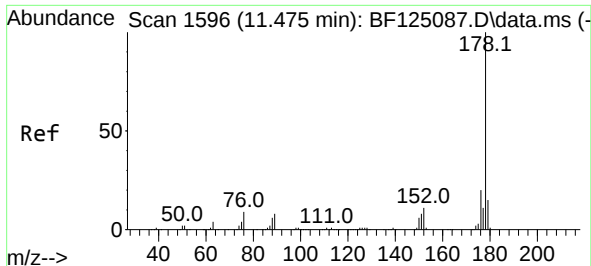
Tgt Ion:166 Resp: 67180
Ion Ratio Lower Upper
166 100
165 95.4 78.1 117.1
167 13.8 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion:188 Resp: 483968
Ion Ratio Lower Upper
188 100
94 9.2 6.7 10.1
80 10.2 7.5 11.3

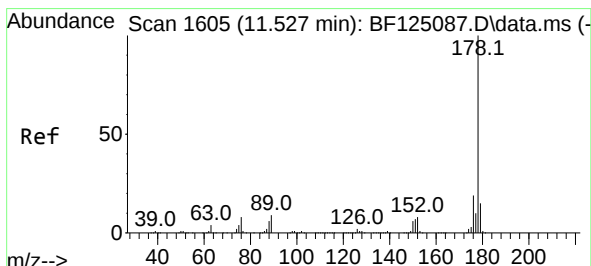
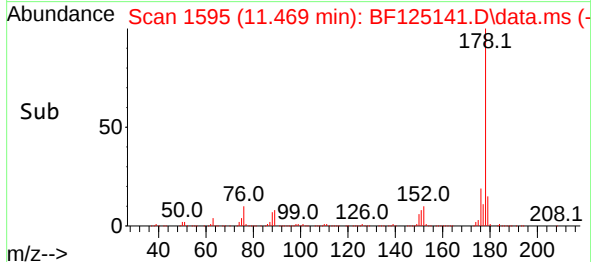
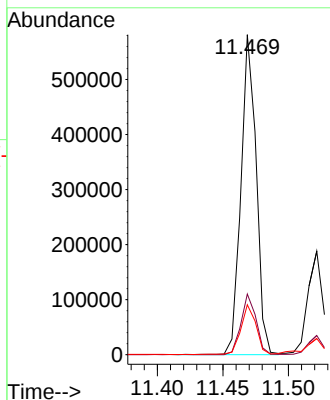
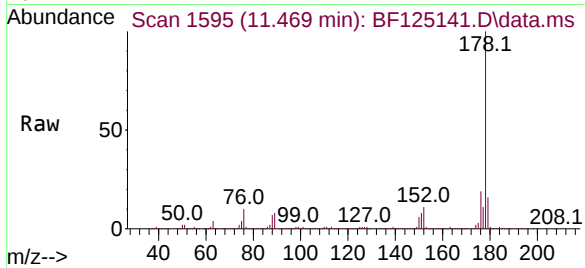




#71
Phenanthrene
Concen: 17.719 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

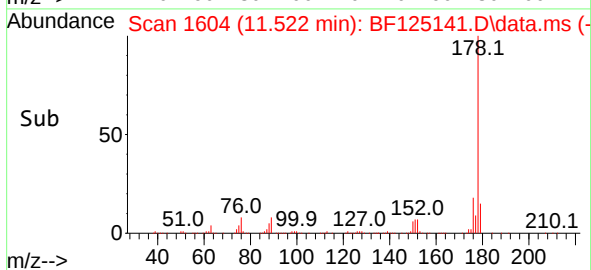
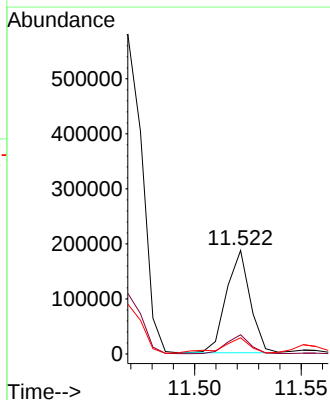
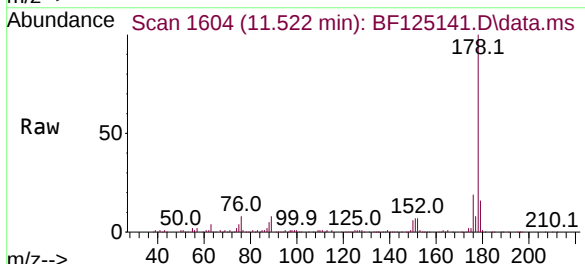
Instrument :
BNA_F
ClientSampleId :
OR-03-081821

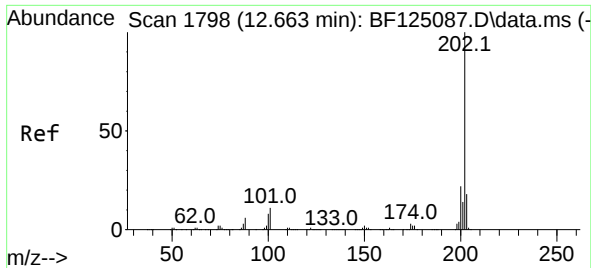
Tgt Ion:178 Resp: 472500
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.6 11.5 17.3



#72
Anthracene
Concen: 5.526 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion:178 Resp: 145256
Ion Ratio Lower Upper
178 100
176 18.6 14.3 21.5
179 15.7 12.2 18.4

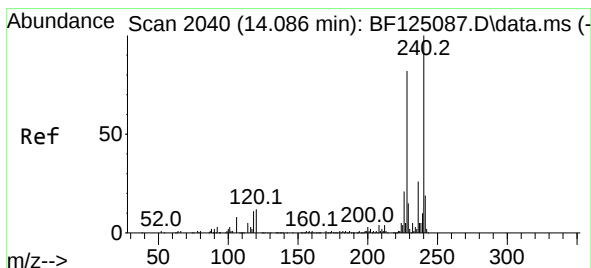
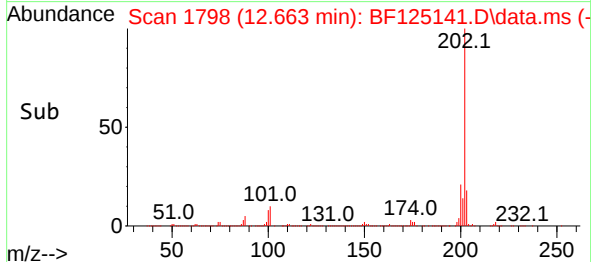
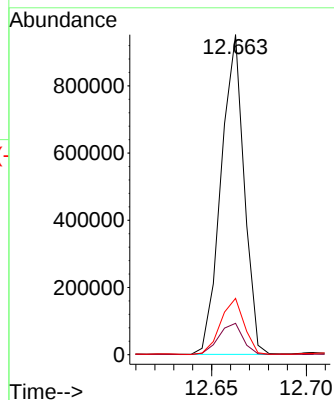
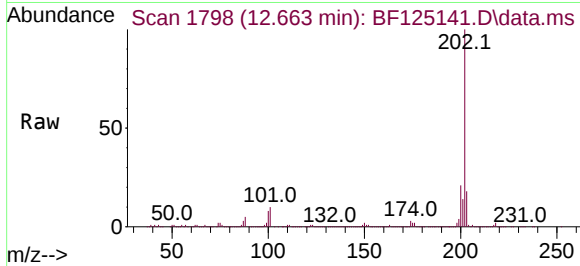




#75
Fluoranthene
Concen: 30.411 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

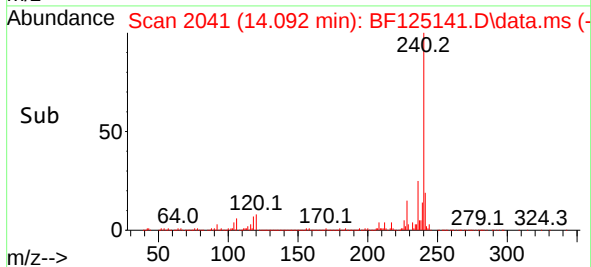
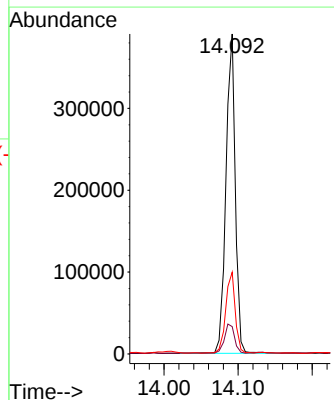
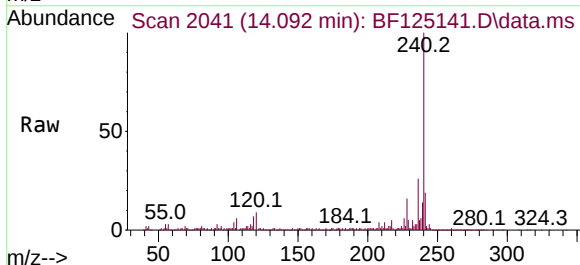
Instrument :
BNA_F
ClientSampleId :
OR-03-081821

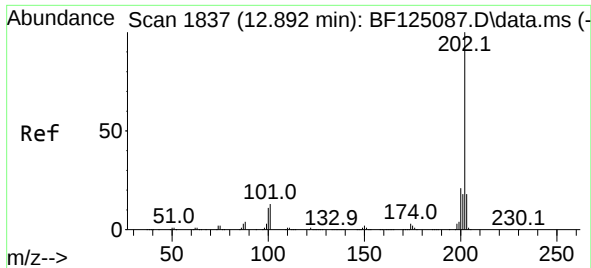
Tgt Ion:202 Resp: 804685
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.7
203 17.6 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.006 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion:240 Resp: 343105
Ion Ratio Lower Upper
240 100
120 8.6 10.8 16.2#
236 25.6 21.6 32.4

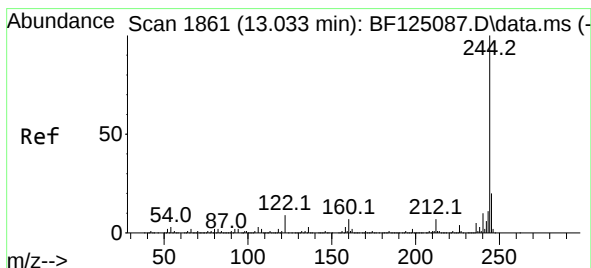
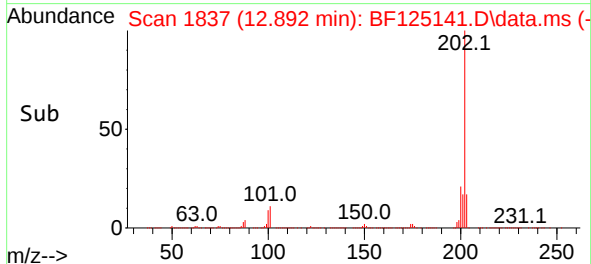
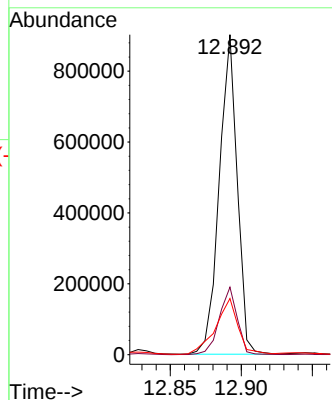
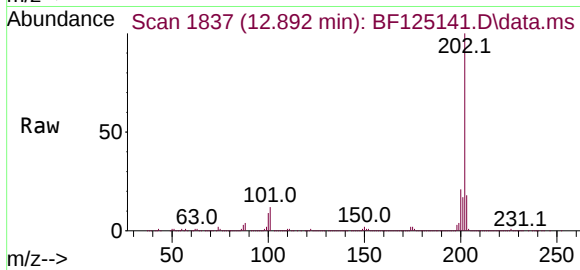




#78
Pyrene
Concen: 26.937 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.000 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

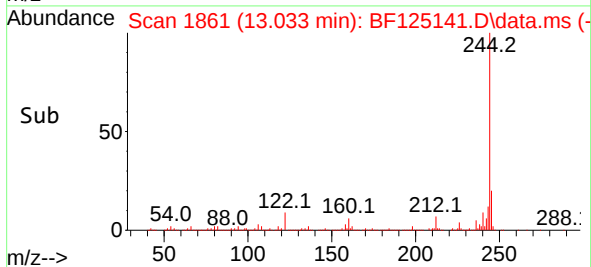
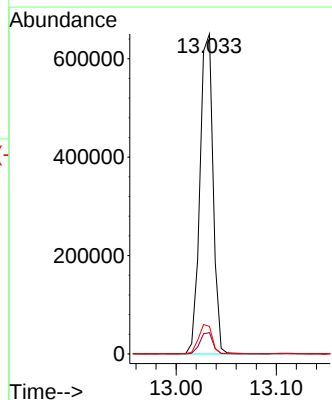
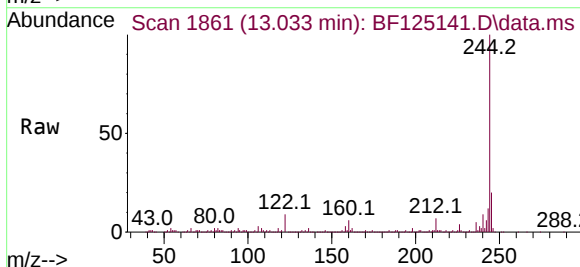
Instrument :
BNA_F
ClientSampleId :
OR-03-081821

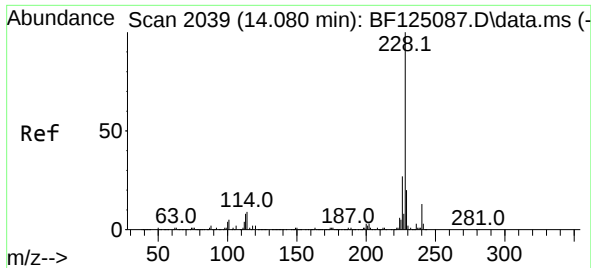
Tgt Ion:	202	Resp:	792798
Ion Ratio	Lower	Upper	
202	100		
200	21.1	15.3	22.9
203	17.6	13.4	20.0



#79
Terphenyl-d14
Concen: 27.653 ng
RT: 13.033 min Scan# 1861
Delta R.T. -0.000 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion:	244	Resp:	595571
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.9	8.9
122	8.6	9.0	13.4

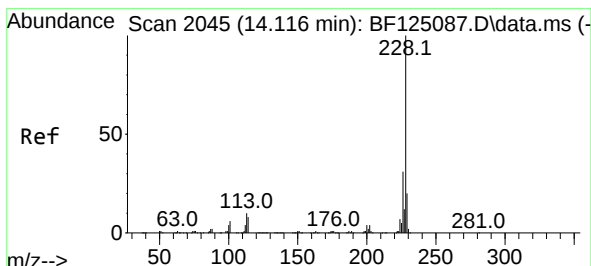
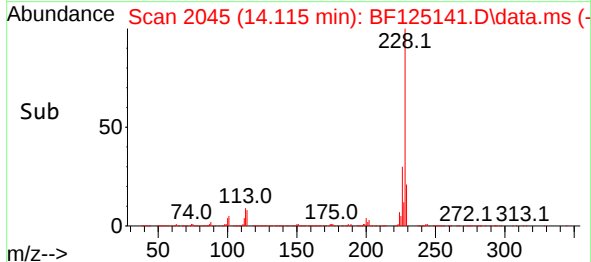
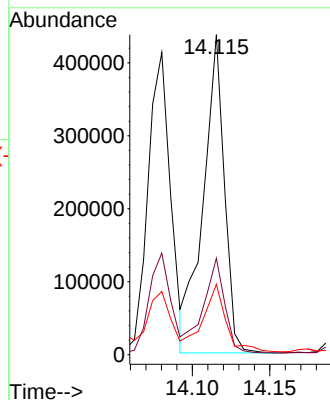
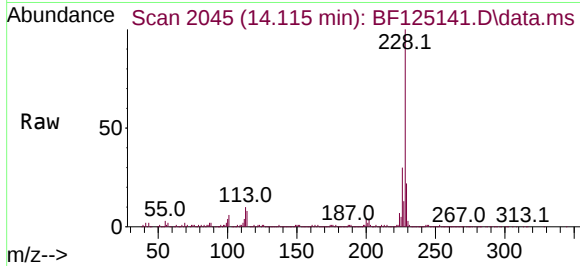




#81
Benzo(a)anthracene
Concen: 16.752 ng
RT: 14.115 min Scan# 2045
Delta R.T. 0.035 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

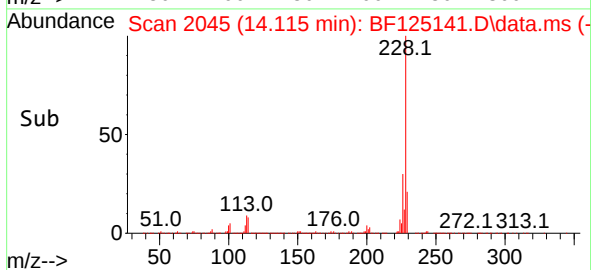
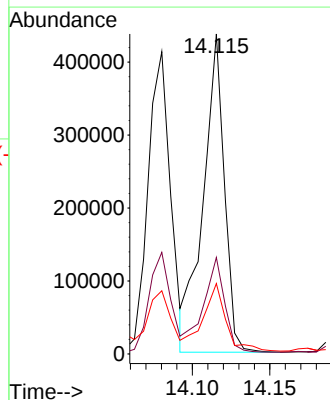
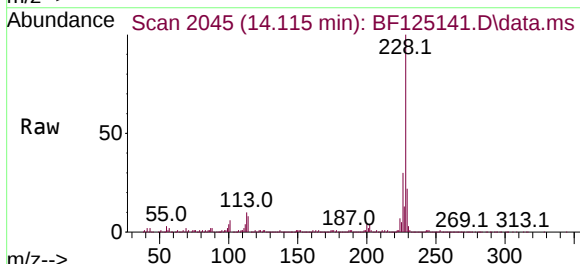
Instrument :
BNA_F
ClientSampleId :
OR-03-081821

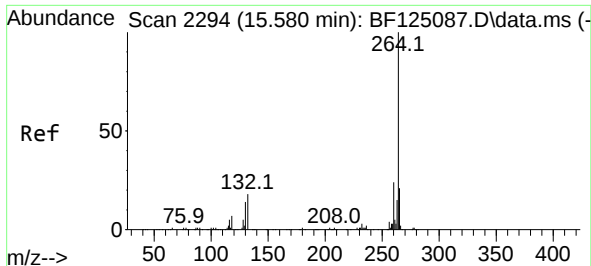
Tgt Ion:228 Resp: 414127
Ion Ratio Lower Upper
228 100
226 30.2 21.6 32.4
229 22.0 15.6 23.4



#83
Chrysene
Concen: 16.939 ng
RT: 14.115 min Scan# 2045
Delta R.T. -0.000 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion:228 Resp: 414127
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 22.0 15.9 23.9

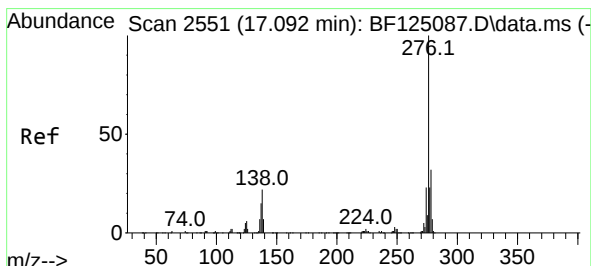
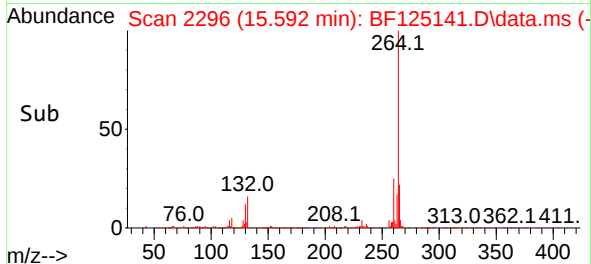
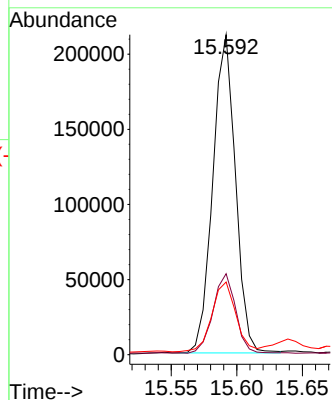
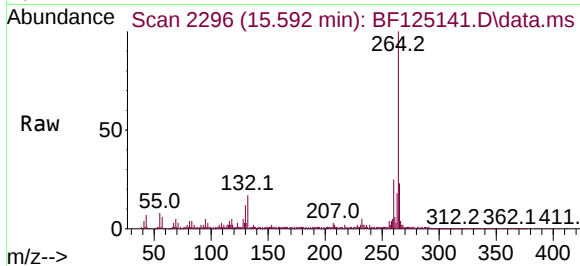




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2296
Delta R.T. 0.012 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

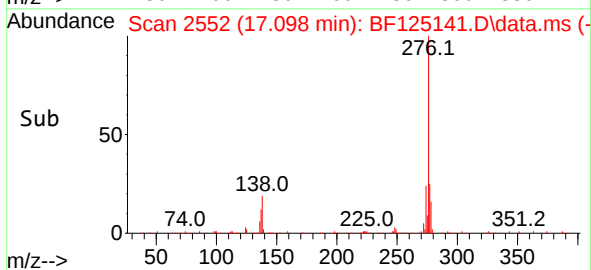
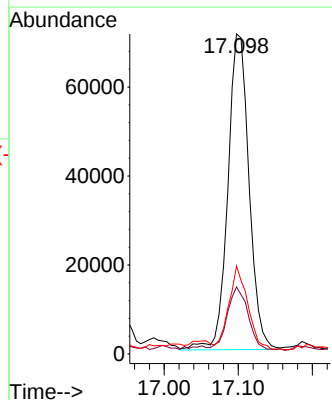
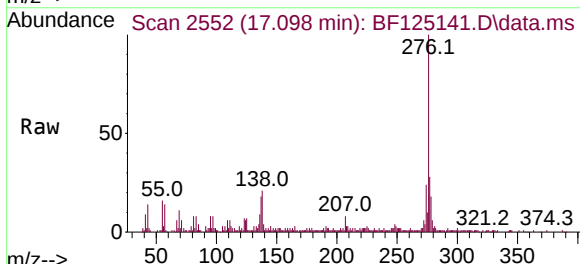
Instrument :
BNA_F
ClientSampleId :
OR-03-081821

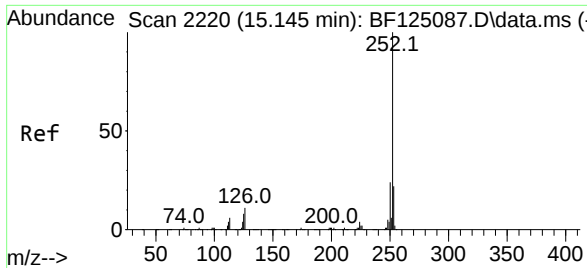
Tgt Ion:264	Resp:	254544
Ion Ratio	Lower	Upper
264	100	
260	25.3	19.6 29.4
265	22.7	17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.683 ng
RT: 17.098 min Scan# 2552
Delta R.T. 0.006 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion:276	Resp:	140885
Ion Ratio	Lower	Upper
276	100	
138	20.1	24.1 36.1#
277	23.6	18.8 28.2

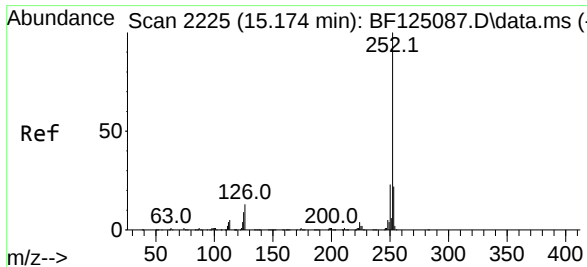
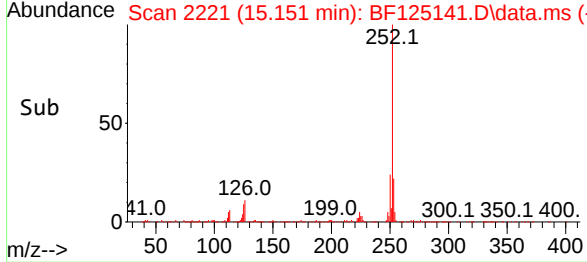
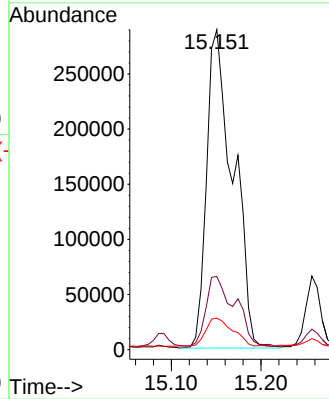
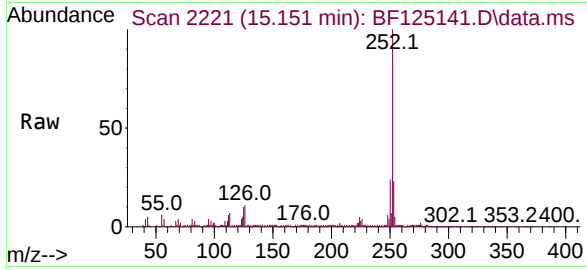




#88
Benzo(b)fluoranthene
Concen: 31.797 ng
RT: 15.151 min Scan# 2221
Delta R.T. 0.006 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

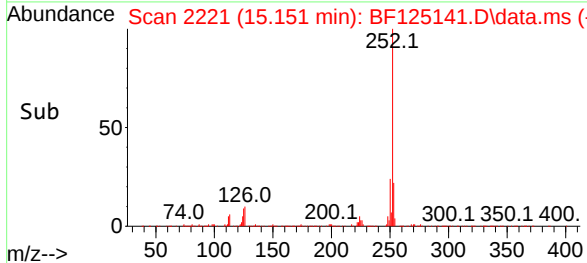
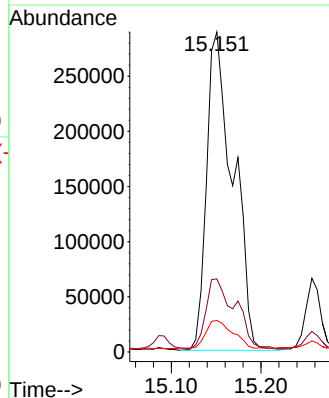
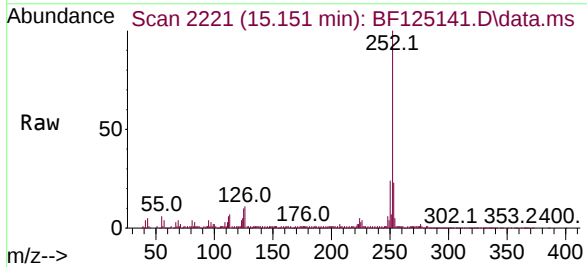
Instrument :
BNA_F
ClientSampleId :
OR-03-081821

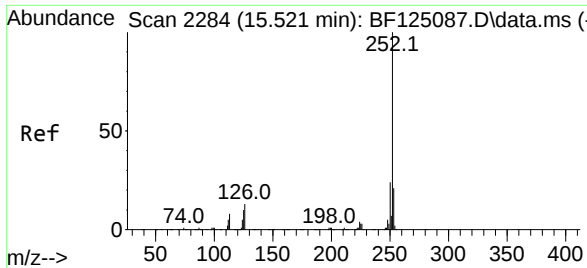
Tgt Ion:252	Resp: 591312
Ion Ratio	Lower Upper
252	100
253	22.9 16.8 25.2
125	9.9 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 34.075 ng
RT: 15.151 min Scan# 2221
Delta R.T. -0.024 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Tgt Ion:252	Resp: 591312
Ion Ratio	Lower Upper
252	100
253	22.9 17.8 26.8
125	9.9 7.2 10.8

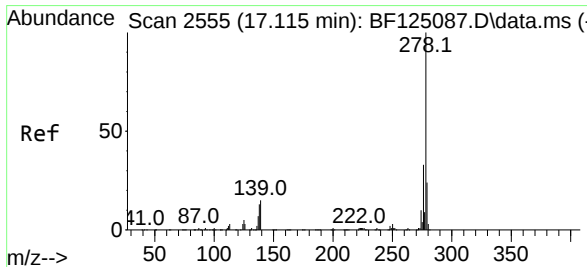
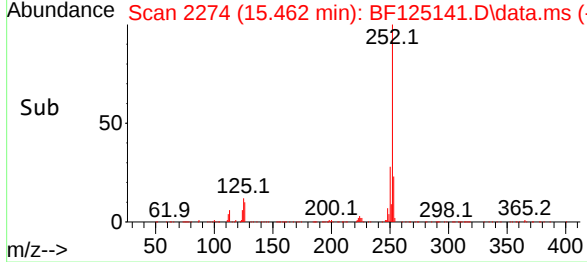
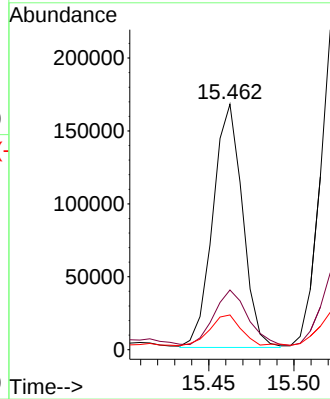
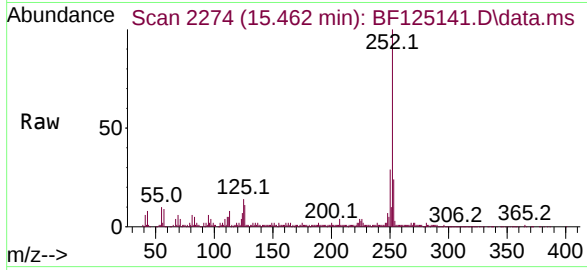




#90
Benzo(a)pyrene
Concen: 12.306 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.059 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

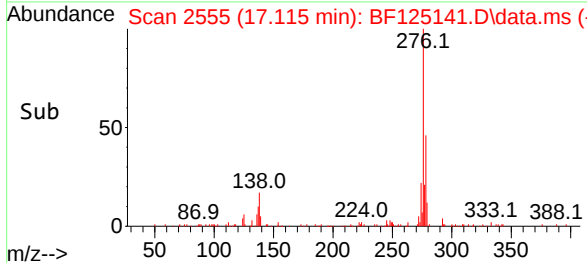
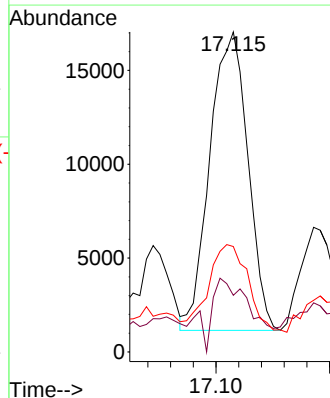
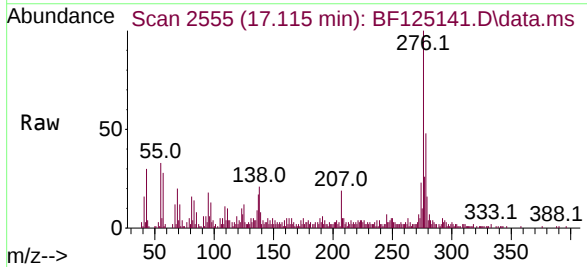
Instrument :
BNA_F
ClientSampleId :
OR-03-081821

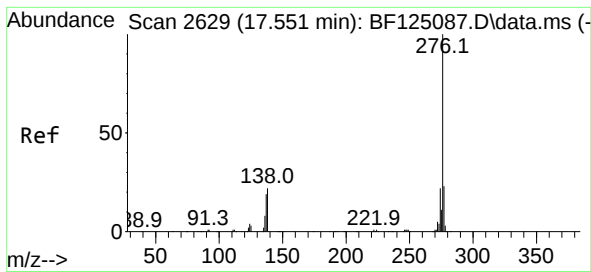
Tgt Ion:252 Resp: 202143
Ion Ratio Lower Upper
252 100
253 24.3 18.4 27.6
125 14.2 9.9 14.9



#91
Dibenzo(a,h)anthracene
Concen: 2.327 ng
RT: 17.115 min Scan# 2555
Delta R.T. -0.000 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

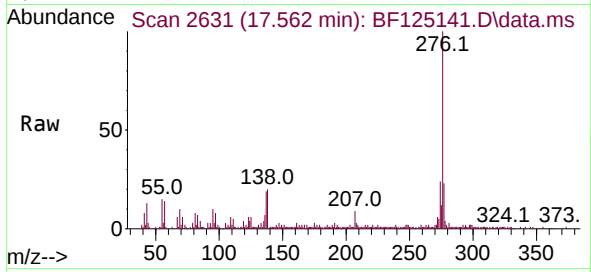
Tgt Ion:278 Resp: 36892
Ion Ratio Lower Upper
278 100
139 17.7 14.9 22.3
279 33.0 19.7 29.5#





#92
Benzo(g,h,i)perylene
Concen: 8.769 ng
RT: 17.562 min Scan# 2631
Delta R.T. 0.012 min
Lab File: BF125141.D
Acq: 20 Aug 2021 18:36

Instrument :
BNA_F
ClientSampleId :
OR-03-081821



Tgt Ion: 276 Resp: 134026
Ion Ratio Lower Upper
276 100
277 23.1 22.0 33.0
138 20.5 22.2 33.4#

