

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091321\
 Data File : BF125458.D
 Acq On : 13 Sep 2021 22:58
 Operator : JU/CG
 Sample : M3707-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-091021

Quant Time: Sep 14 03:31:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 13 12:03:46 2021
 Response via : Initial Calibration

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

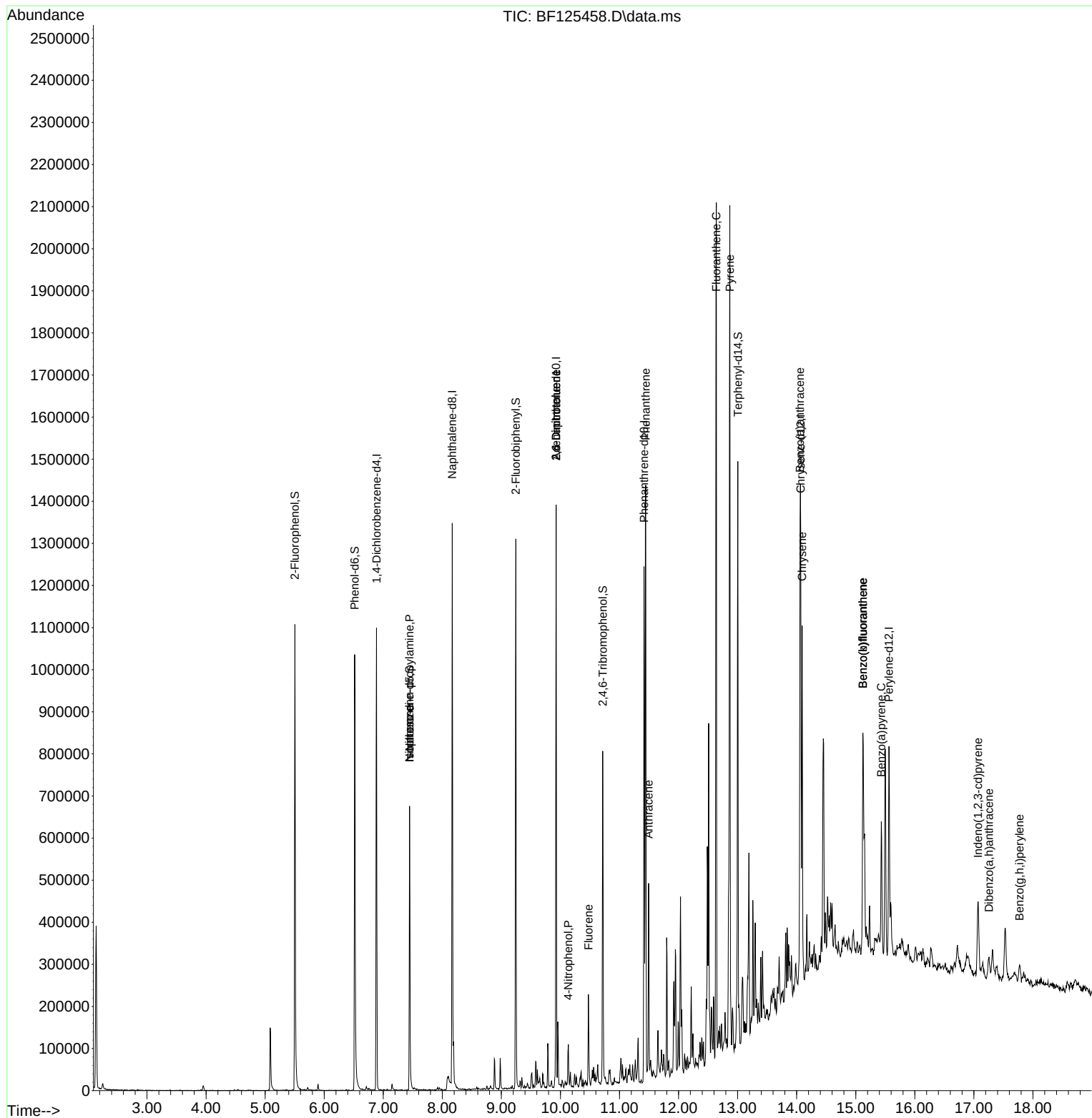
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	154855	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	546235	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	249768	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	428235	20.000	ng	0.00
76) Chrysene-d12	14.068	240	294300	20.000	ng	# 0.00
86) Perylene-d12	15.562	264	225137	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	285381	27.894	ng	-0.01
7) Phenol-d6	6.516	99	368109	27.820	ng	-0.02
23) Nitrobenzene-d5	7.445	82	205793	18.967	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	91300	36.619	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	387153	21.604	ng	0.00
79) Terphenyl-d14	13.004	244	442869	23.973	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	25894	3.254	ng	# 57
25) Isophorone	7.445	82	205790	9.832	ng	# 59
51) 2,6-Dinitrotoluene	9.928	165	33504	8.927	ng	# 28
56) 4-Nitrophenol	10.133	139	11750	3.666	ng	# 13
57) 2,4-Dinitrotoluene	9.928	165	33504	7.376	ng	# 20
58) Fluorene	10.475	166	59334	3.773	ng	97
71) Phenanthrene	11.445	178	541416	22.945	ng	99
72) Anthracene	11.492	178	171171	7.360	ng	99
75) Fluoranthene	12.639	202	836009	35.707	ng	97
78) Pyrene	12.869	202	825430	32.697	ng	97
81) Benzo(a)anthracene	14.057	228	386098	18.208	ng	98
83) Chrysene	14.092	228	305071	14.548	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	120521	7.431	ng	# 88
88) Benzo(b)fluoranthene	15.121	252	422091	25.662	ng	# 92
89) Benzo(k)fluoranthene	15.121	252	422091	27.500	ng	96
90) Benzo(a)pyrene	15.433	252	150111	10.332	ng	98
91) Dibenzo(a,h)anthracene	17.256	278	29890	2.132	ng	95
92) Benzo(g,h,i)perylene	17.774	276	31365	2.320	ng	92

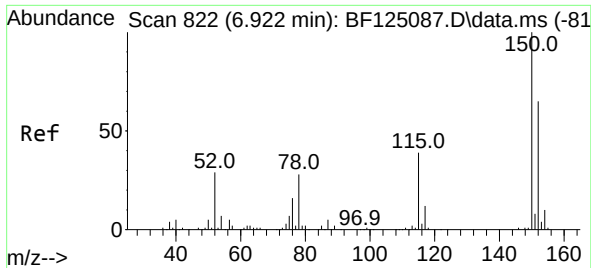
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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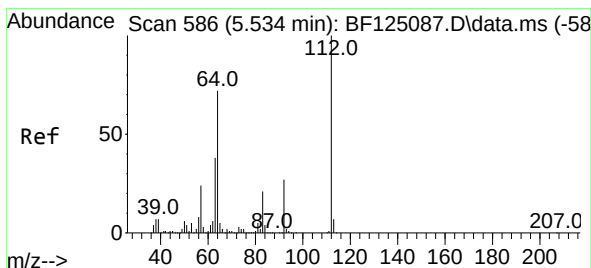
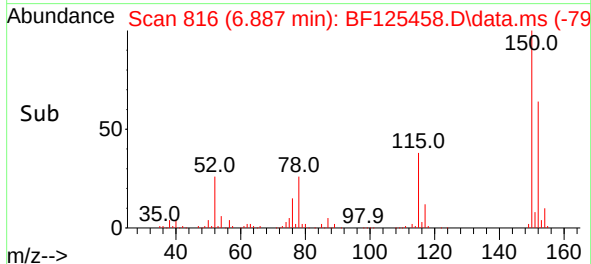
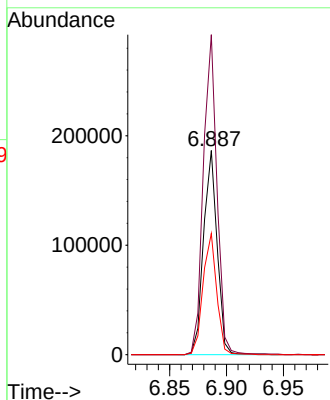
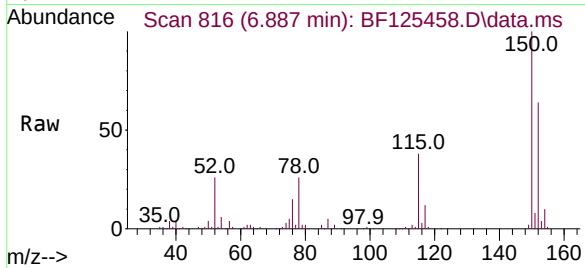




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

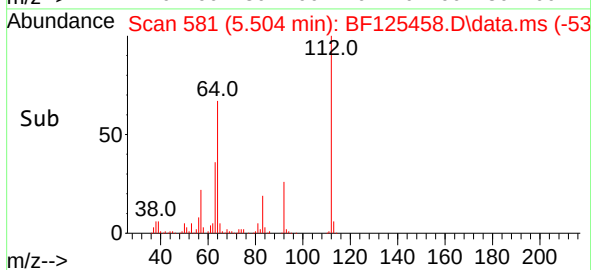
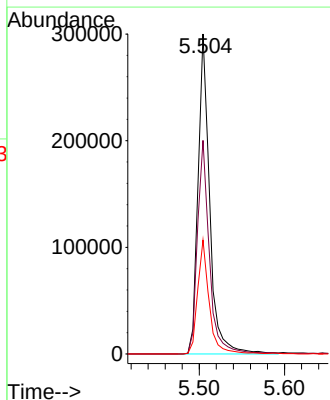
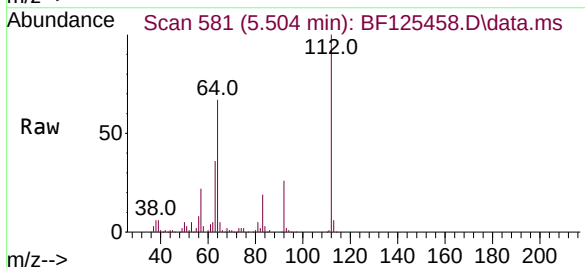
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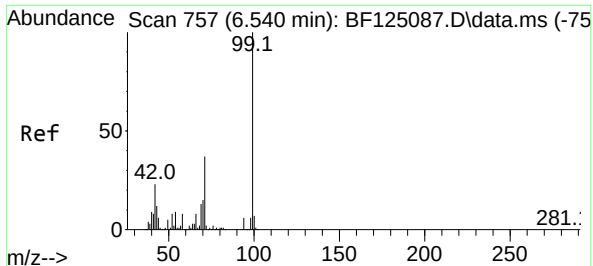
Tgt Ion:152 Resp: 154855
Ion Ratio Lower Upper
152 100
150 156.8 117.6 176.4
115 59.4 47.1 70.7



#5
2-Fluorophenol
Concen: 27.894 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.012 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion:112 Resp: 285381
Ion Ratio Lower Upper
112 100
64 66.8 44.2 66.2#
63 35.6 26.2 39.2

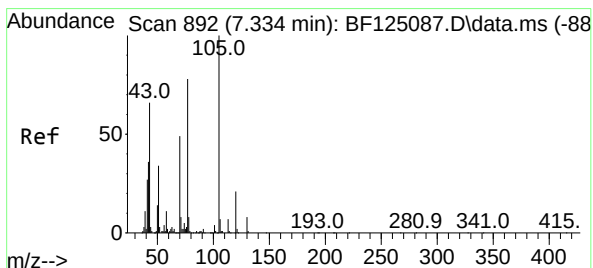
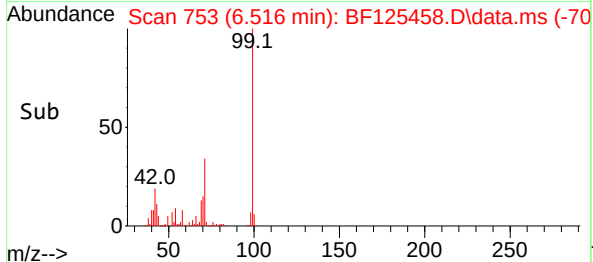
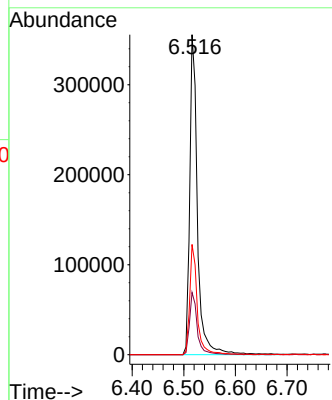
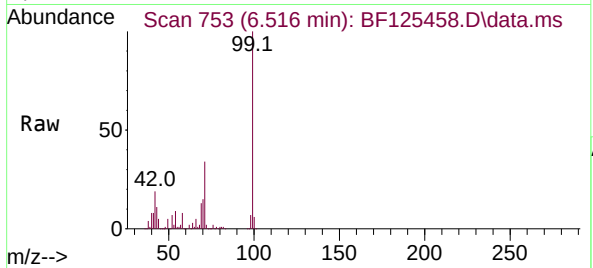




#7
Phenol-d6
Concen: 27.820 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.017 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

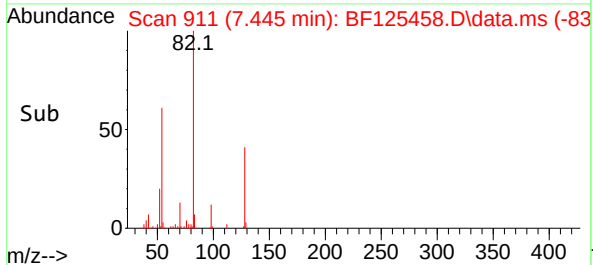
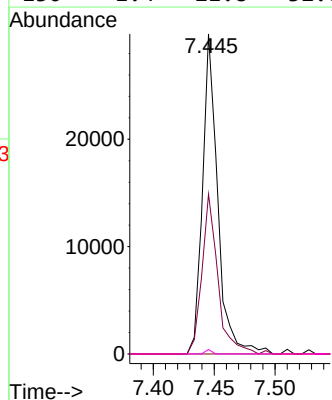
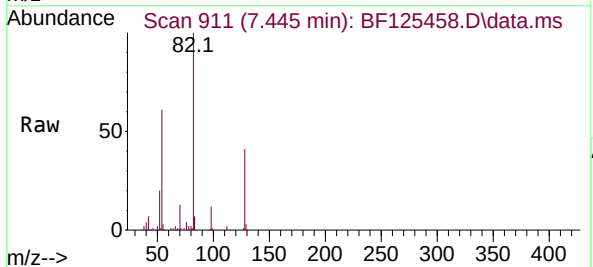
Instrument :
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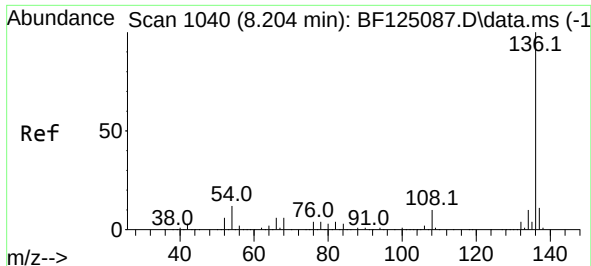
Tgt Ion: 99 Resp: 368109
Ion Ratio Lower Upper
99 100
42 19.5 23.5 35.3#
71 34.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 3.254 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion: 70 Resp: 25894
Ion Ratio Lower Upper
70 100
42 50.0 72.2 108.2#
101 0.0 7.8 11.8#
130 1.4 21.8 32.6#

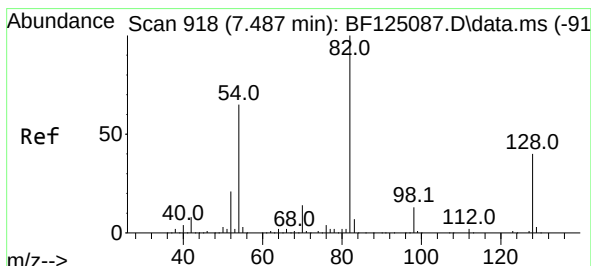
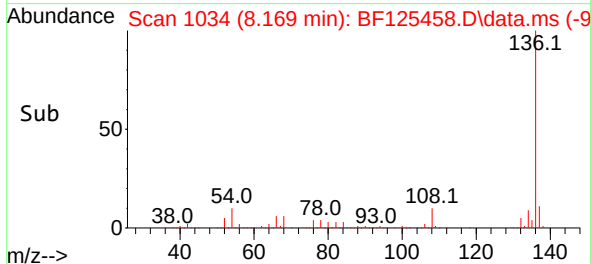
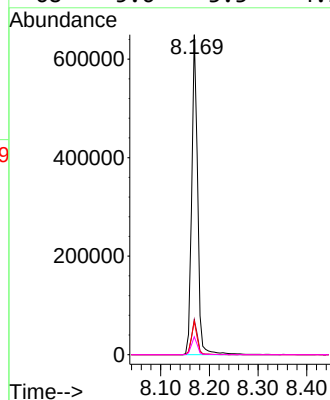
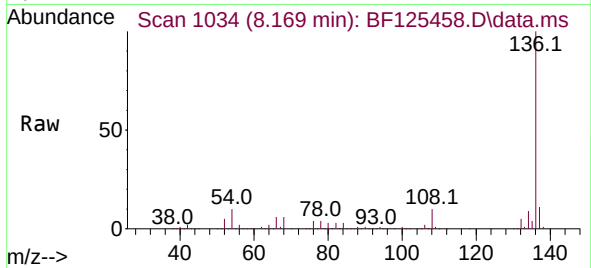




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

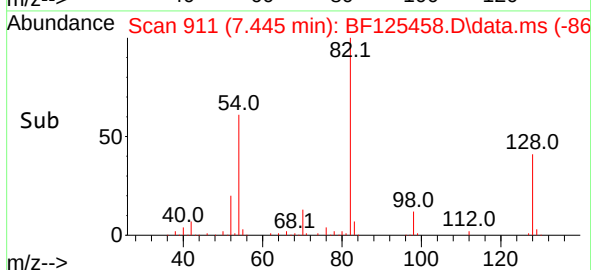
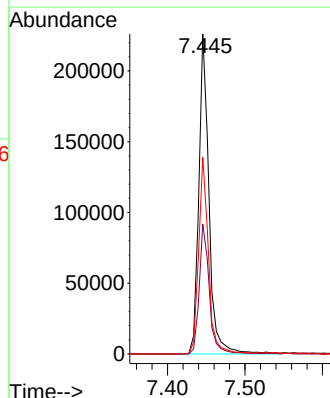
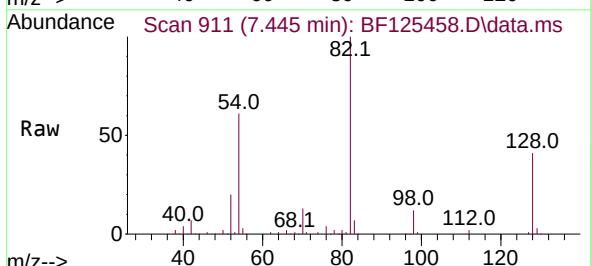
Instrument :
BNA_F
ClientSampleId :
PL-02-091021

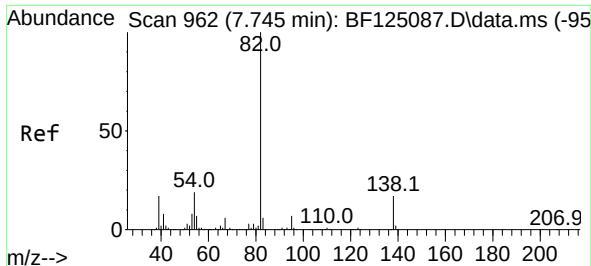
Tgt Ion:136	Resp: 546235
Ion Ratio	Lower Upper
136	100
137	11.0 9.8 14.6
54	10.4 6.4 9.6#
68	5.6 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 18.967 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion: 82	Resp: 205793
Ion Ratio	Lower Upper
82	100
128	40.6 40.6 60.8
54	61.5 49.6 74.4

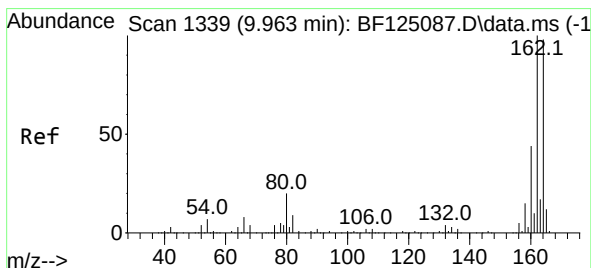
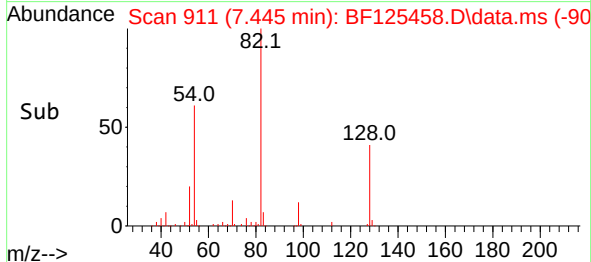
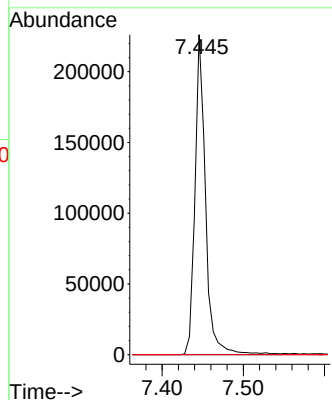
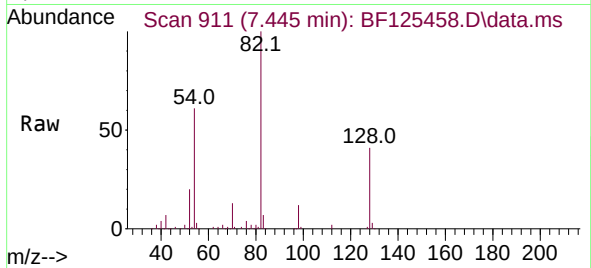




#25
Isophorone
Concen: 9.832 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.270 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

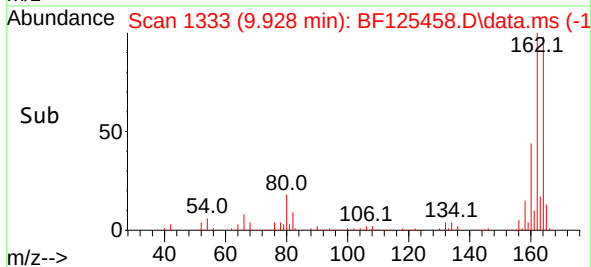
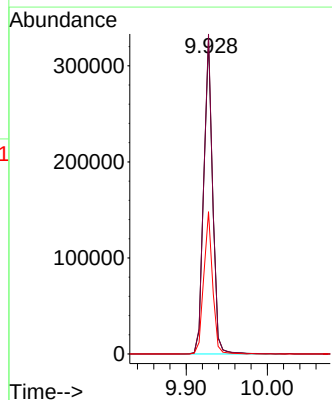
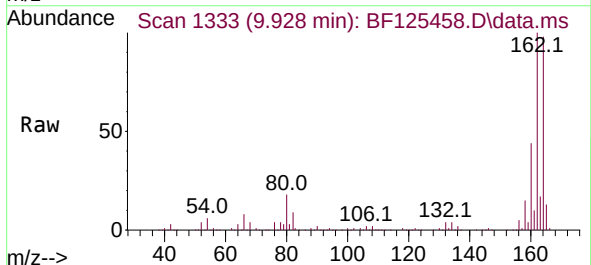
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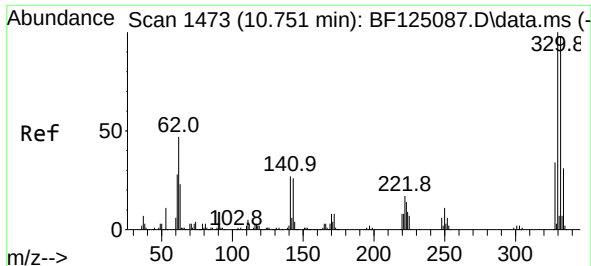
Tgt Ion: 82 Resp: 205790
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion: 164 Resp: 249768
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 45.1 38.0 57.0

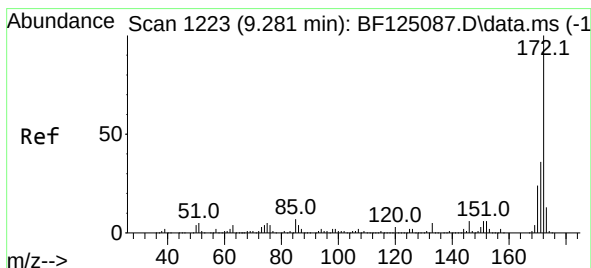
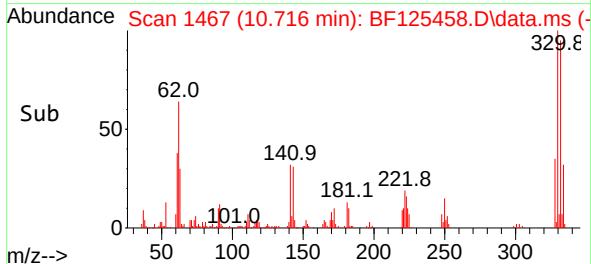
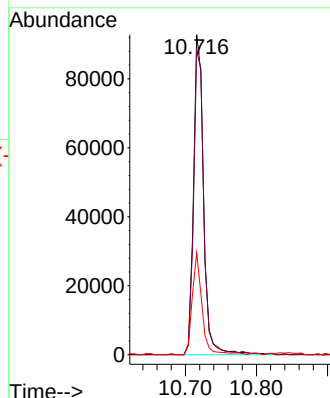
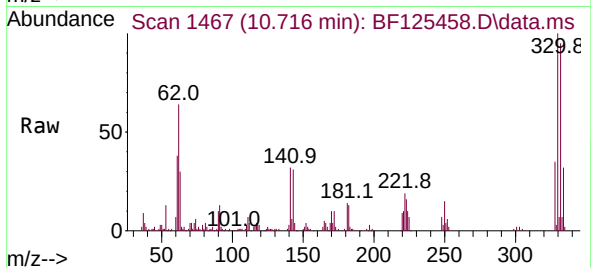




#42
2,4,6-Tribromophenol
Concen: 36.619 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.012 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

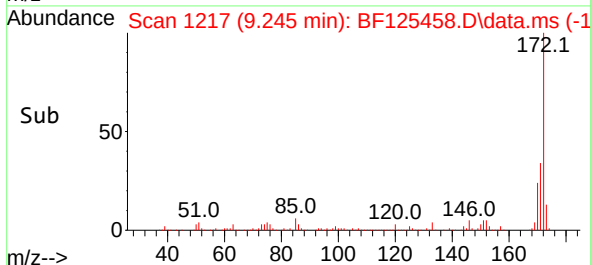
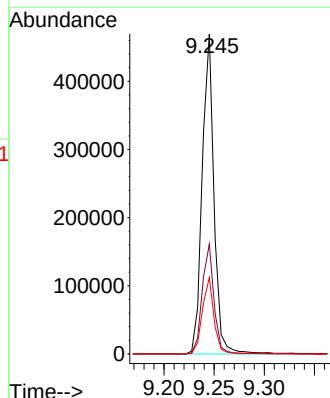
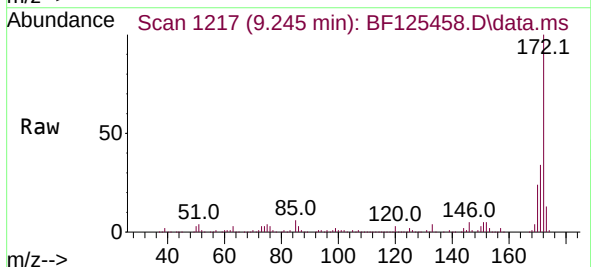
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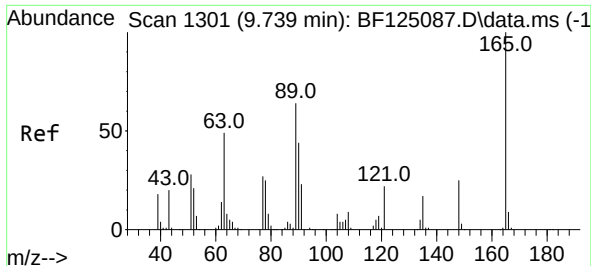
Tgt Ion: 330 Resp: 91300
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 30.9 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 21.604 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion: 172 Resp: 387153
Ion Ratio Lower Upper
172 100
171 34.3 26.5 39.7
170 23.8 18.8 28.2

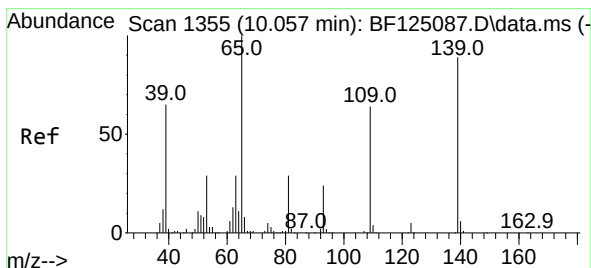
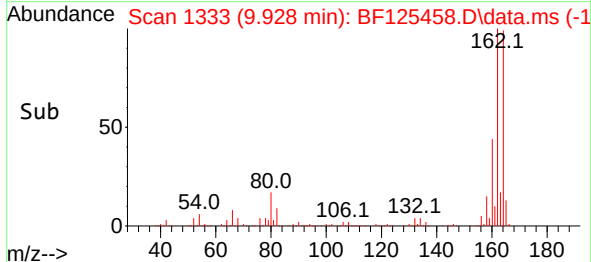
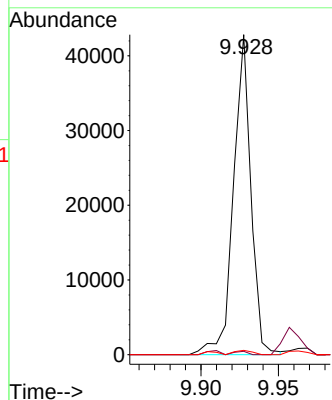
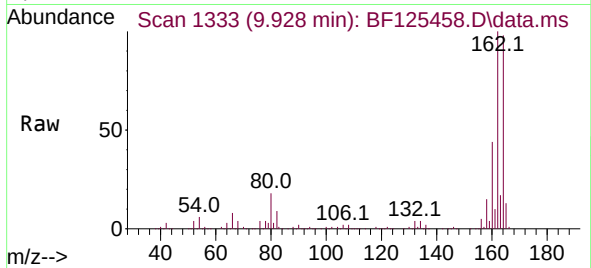




#51
2,6-Dinitrotoluene
Concen: 8.927 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.206 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

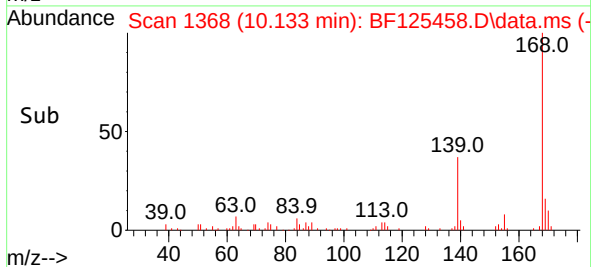
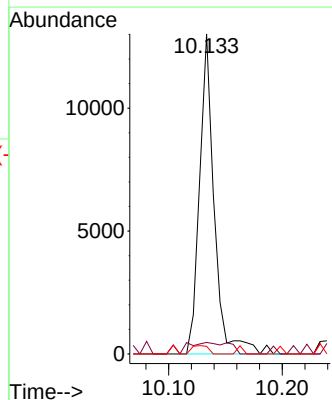
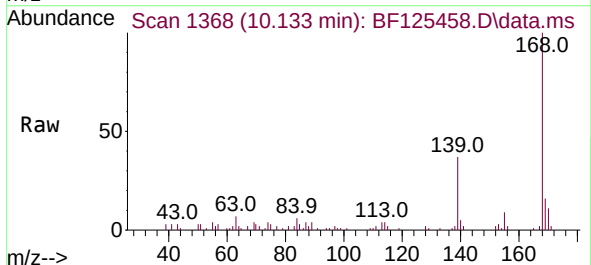
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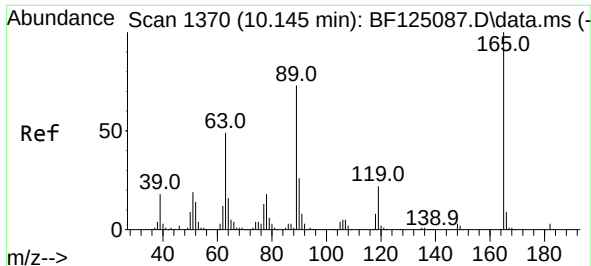
Tgt Ion:165 Resp: 33504
Ion Ratio Lower Upper
165 100
63 1.1 42.6 63.8#
89 1.4 40.6 60.8#



#56
4-Nitrophenol
Concen: 3.666 ng
RT: 10.133 min Scan# 1368
Delta R.T. 0.071 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

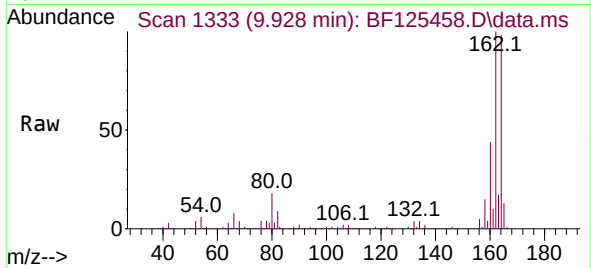
Tgt Ion:139 Resp: 11750
Ion Ratio Lower Upper
139 100
109 3.6 60.4 100.4#
65 2.4 58.4 98.4#



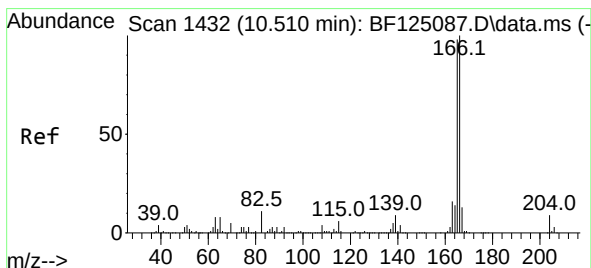
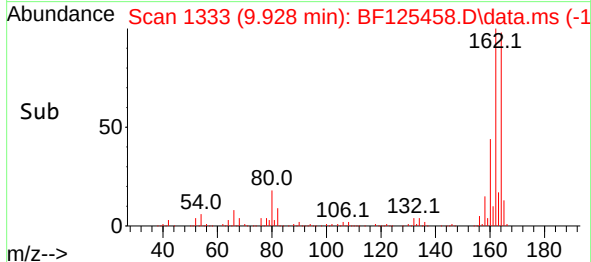
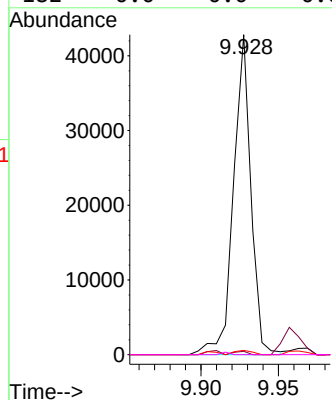


#57
2,4-Dinitrotoluene
Concen: 7.376 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.200 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Instrument :
BNA_F
ClientSampleId :
PL-02-091021

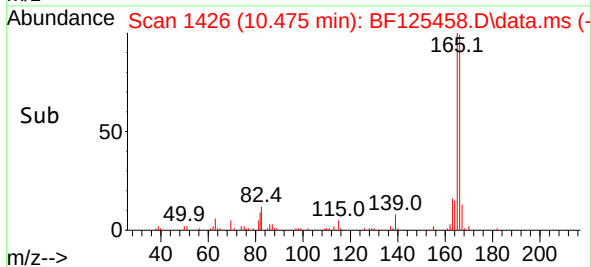
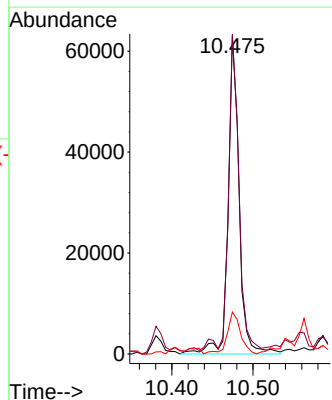
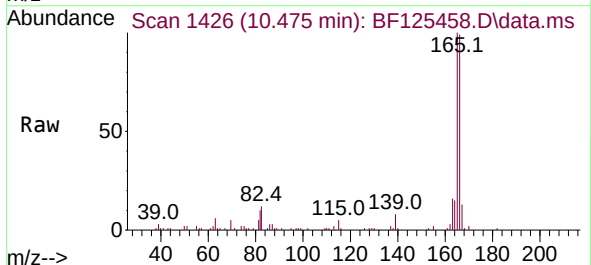


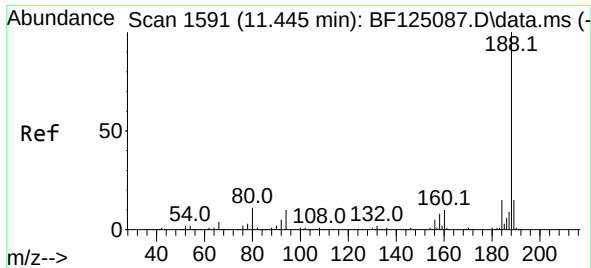
Tgt Ion:165 Resp: 33504
Ion Ratio Lower Upper
165 100
63 1.1 40.9 61.3#
89 1.4 59.7 89.5#
182 0.0 0.0 0.0



#58
Fluorene
Concen: 3.773 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion:166 Resp: 59334
Ion Ratio Lower Upper
166 100
165 100.8 78.1 117.1
167 13.2 11.1 16.7

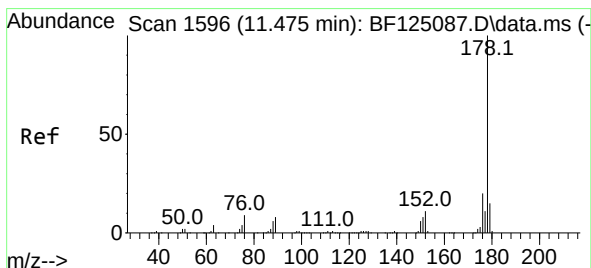
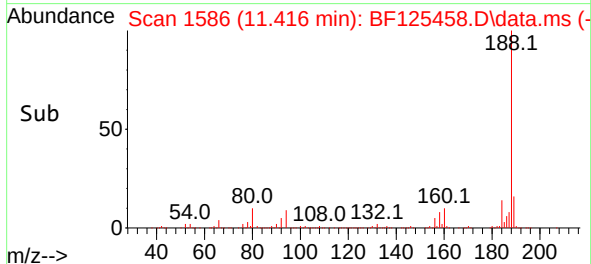
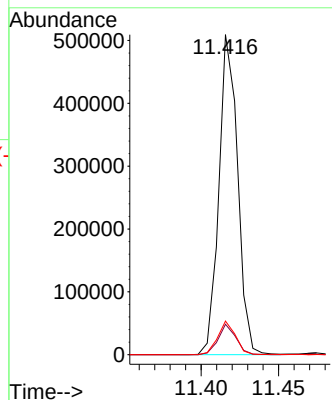
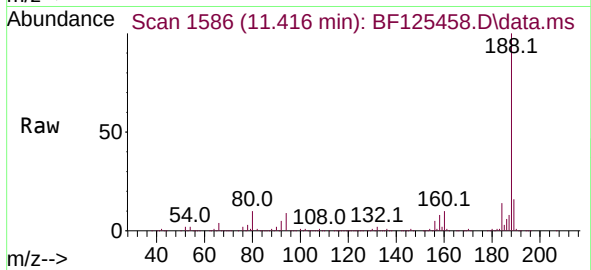




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

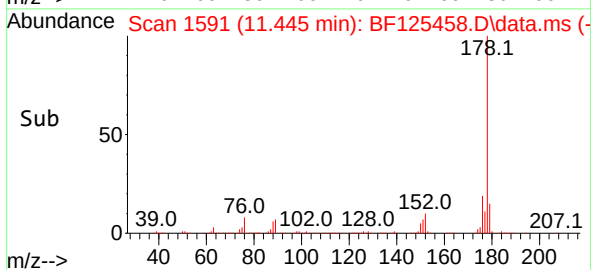
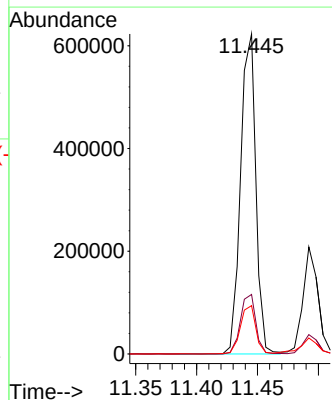
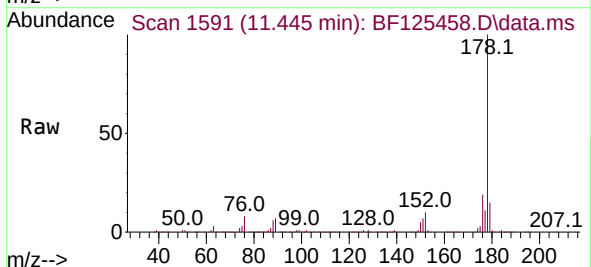
Instrument :
BNA_F
ClientSampleId :
PL-02-091021

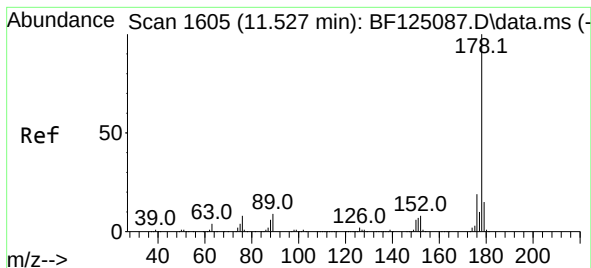
Tgt Ion:188 Resp: 428235
Ion Ratio Lower Upper
188 100
94 9.5 6.7 10.1
80 10.5 7.5 11.3



#71
Phenanthrene
Concen: 22.945 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion:178 Resp: 541416
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.1 11.5 17.3





#72

Anthracene

Concen: 7.360 ng

RT: 11.492 min Scan# 1599

Delta R.T. -0.012 min

Lab File: BF125458.D

Acq: 13 Sep 2021 22:58

Tgt Ion:178 Resp: 171171

Ion Ratio Lower Upper

178 100

176 18.1 14.3 21.5

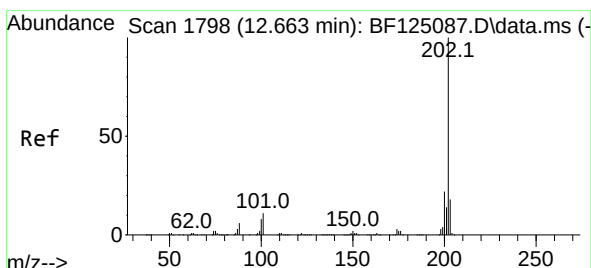
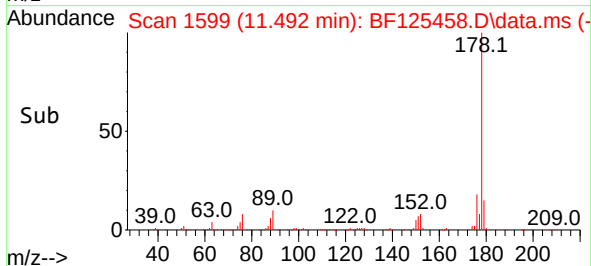
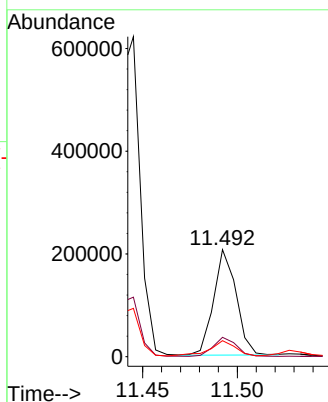
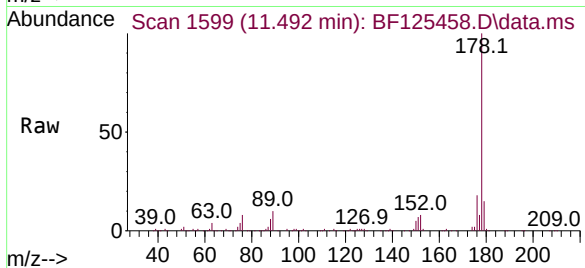
179 14.9 12.2 18.4

Instrument :

BNA_F

ClientSampleId :

PL-02-091021



#75

Fluoranthene

Concen: 35.707 ng

RT: 12.639 min Scan# 1794

Delta R.T. 0.000 min

Lab File: BF125458.D

Acq: 13 Sep 2021 22:58

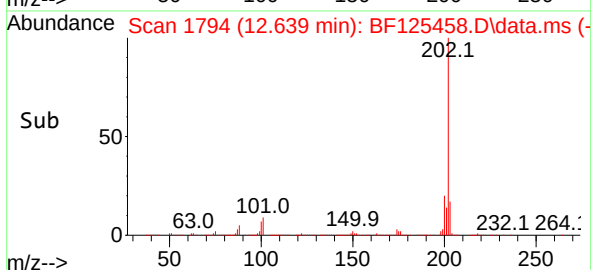
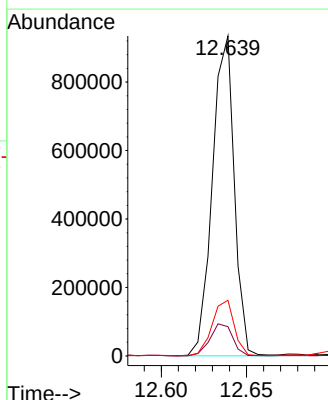
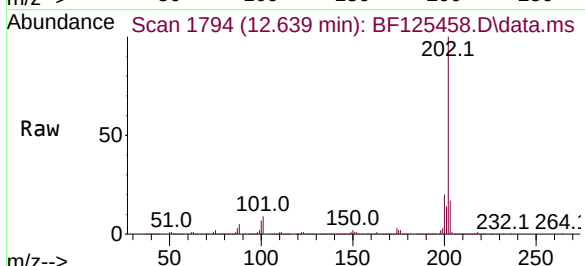
Tgt Ion:202 Resp: 836009

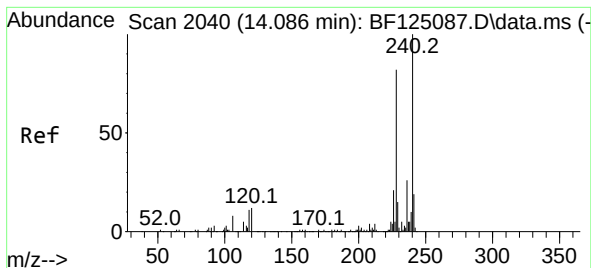
Ion Ratio Lower Upper

202 100

101 9.1 0.0 30.7

203 17.4 0.0 36.3

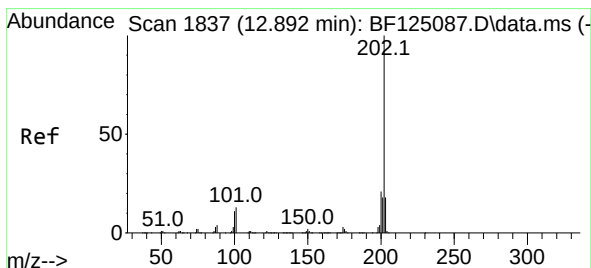
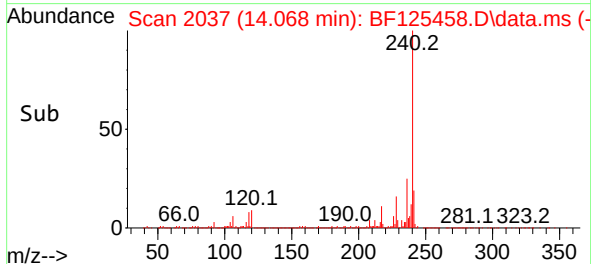
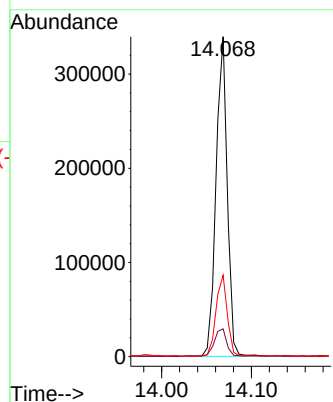
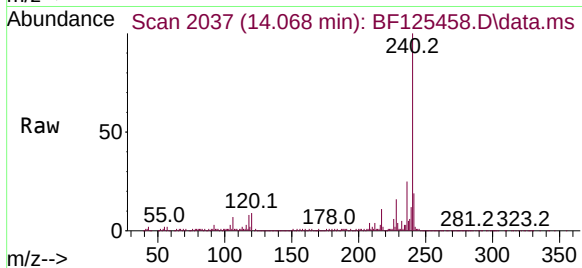




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

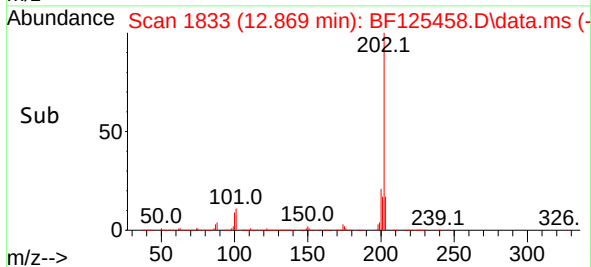
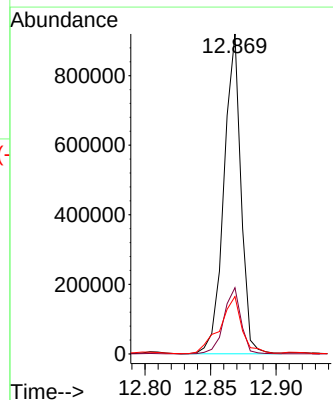
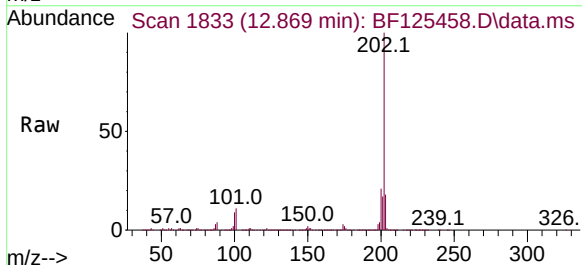
Instrument :
BNA_F
ClientSampleId :
PL-02-091021

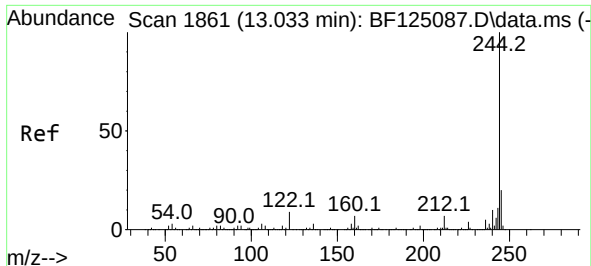
Tgt Ion:240 Resp: 294300
Ion Ratio Lower Upper
240 100
120 8.7 10.8 16.2#
236 25.4 21.6 32.4



#78
Pyrene
Concen: 32.697 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion:202 Resp: 825430
Ion Ratio Lower Upper
202 100
200 20.7 15.3 22.9
203 18.0 13.4 20.0

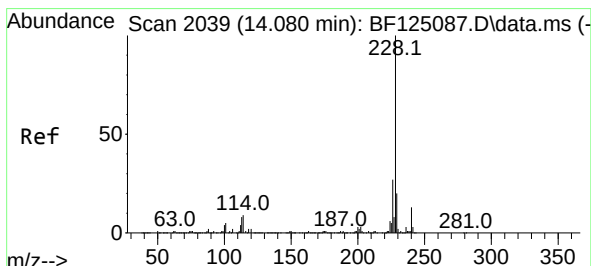
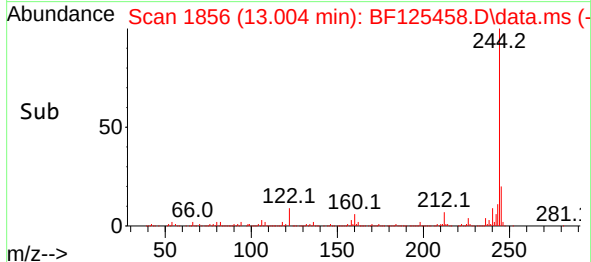
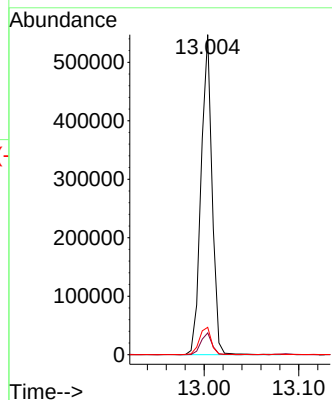
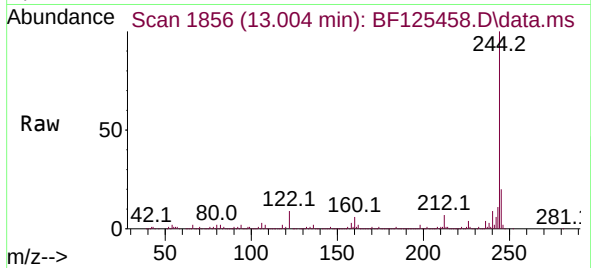




#79
 Terphenyl-d14
 Concen: 23.973 ng
 RT: 13.004 min Scan# 1856
 Delta R.T. -0.006 min
 Lab File: BF125458.D
 Acq: 13 Sep 2021 22:58

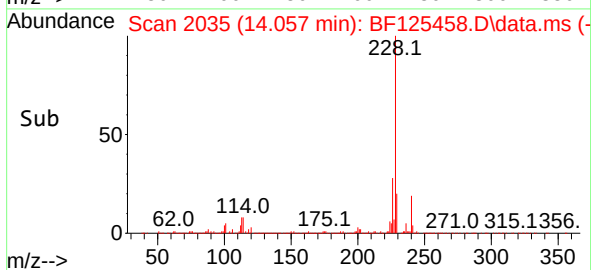
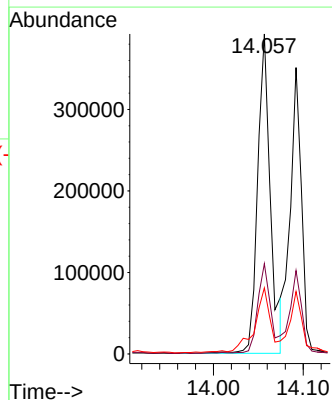
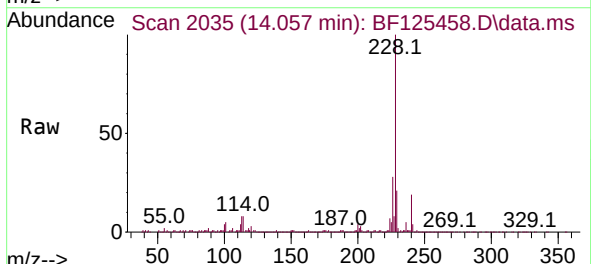
Instrument :
 BNA_F
 ClientSampleId :
 PL-02-091021

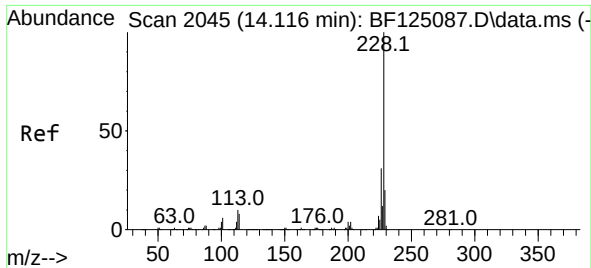
Tgt Ion:244 Resp: 442869
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 8.6 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 18.208 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. -0.006 min
 Lab File: BF125458.D
 Acq: 13 Sep 2021 22:58

Tgt Ion:228 Resp: 386098
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.6 32.4
 229 20.7 15.6 23.4

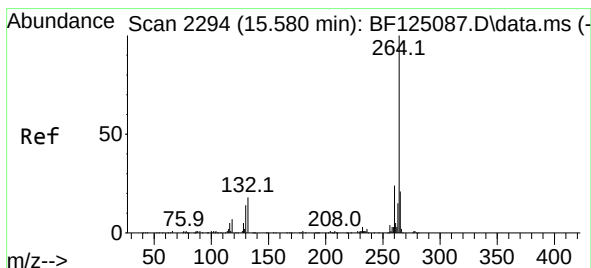
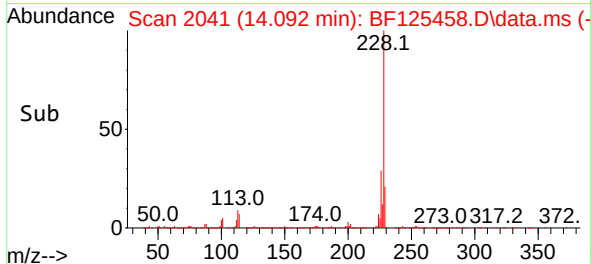
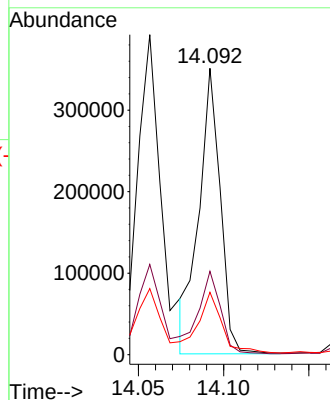
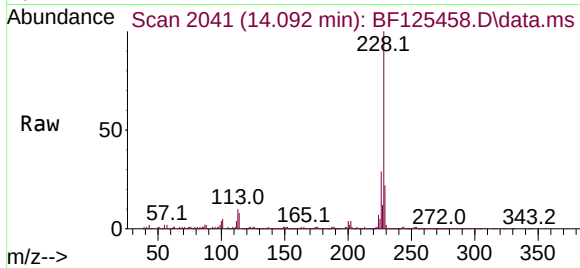




#83
Chrysene
Concen: 14.548 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.012 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

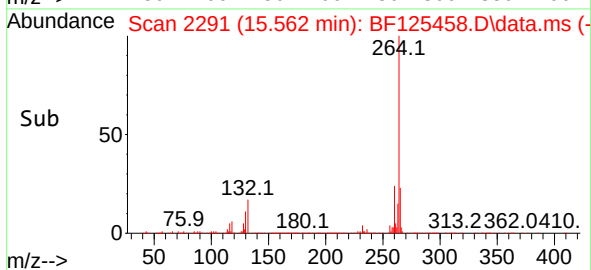
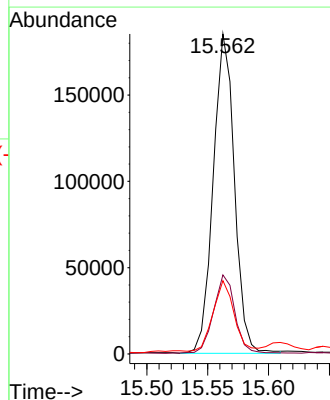
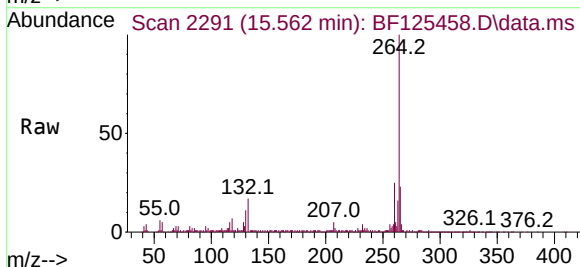
Instrument :
BNA_F
ClientSampleId :
PL-02-091021

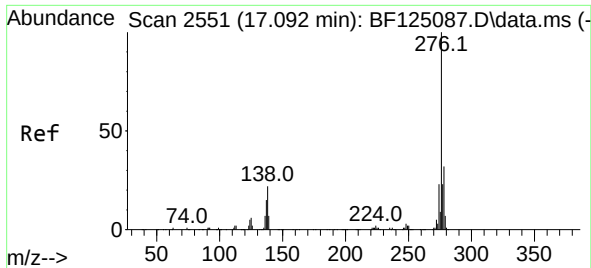
Tgt Ion:228	Resp: 305071
Ion Ratio	Lower Upper
228 100	
226 29.1	22.6 34.0
229 21.8	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion:264	Resp: 225137
Ion Ratio	Lower Upper
264 100	
260 24.7	19.6 29.4
265 22.9	17.2 25.8

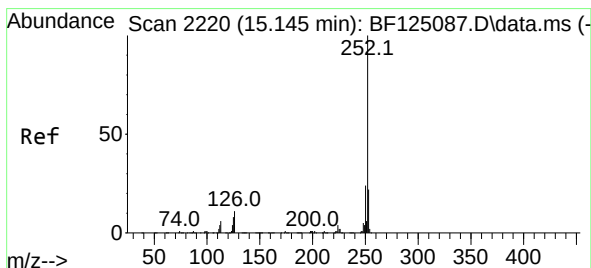
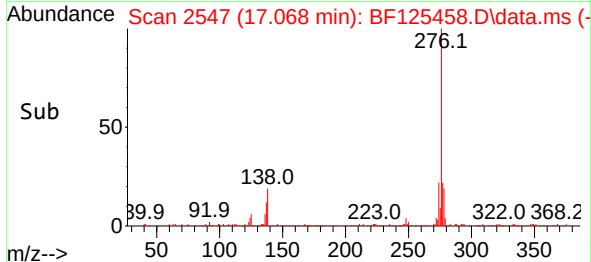
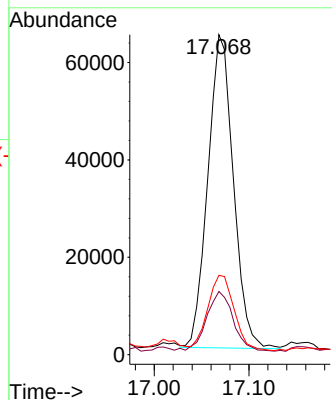
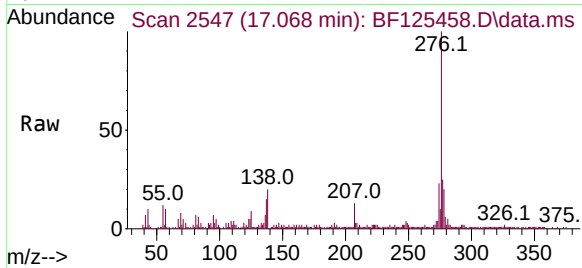




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.431 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.017 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

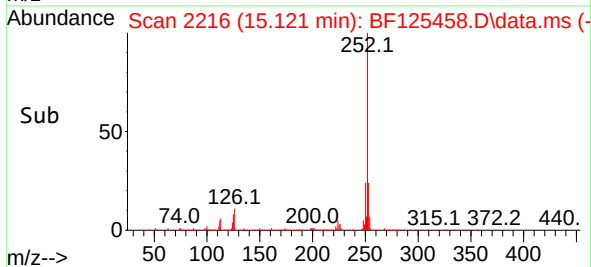
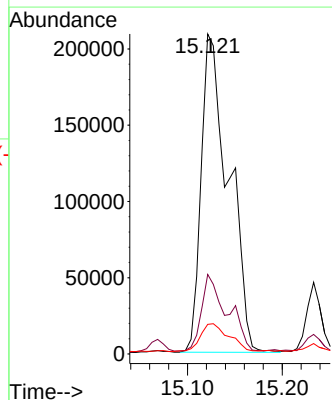
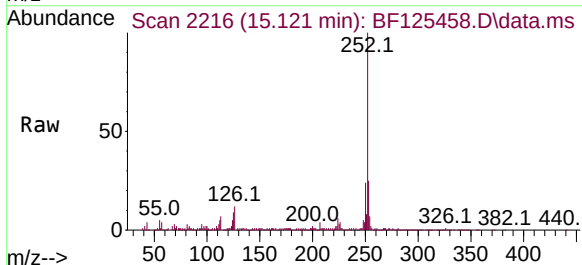
Instrument :
BNA_F
ClientSampleId :
PL-02-091021

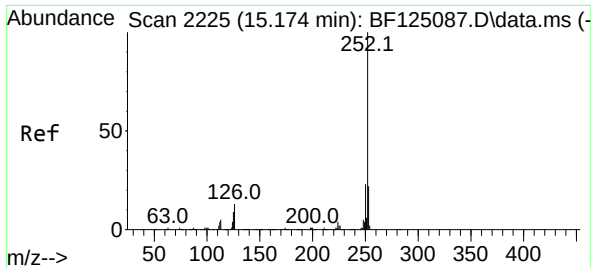
Tgt Ion:276 Resp: 120521
Ion Ratio Lower Upper
276 100
138 20.0 24.1 36.1#
277 24.7 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 25.662 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.006 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion:252 Resp: 422091
Ion Ratio Lower Upper
252 100
253 24.8 16.8 25.2
125 9.3 9.8 14.8#

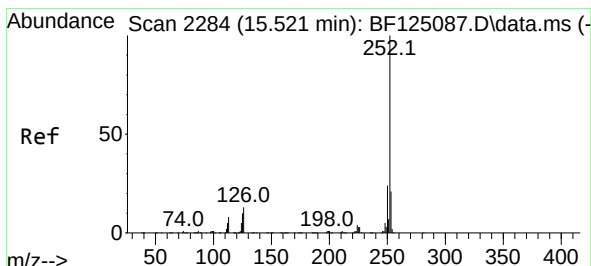
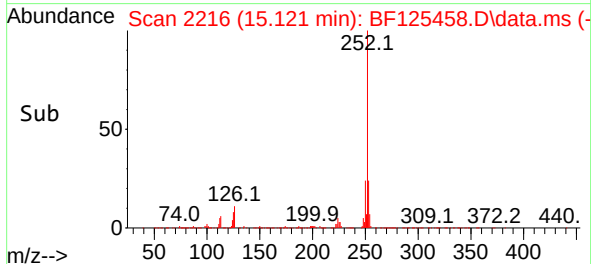
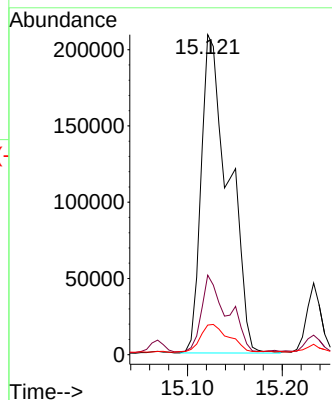
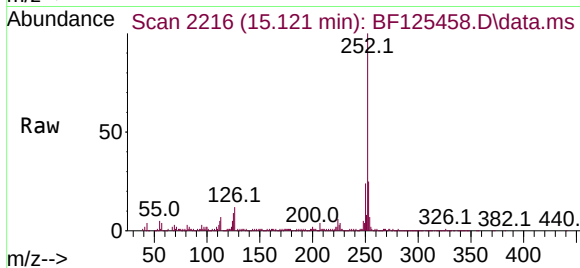




#89
Benzo(k)fluoranthene
Concen: 27.500 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.041 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

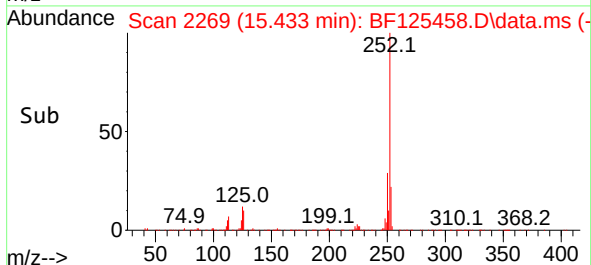
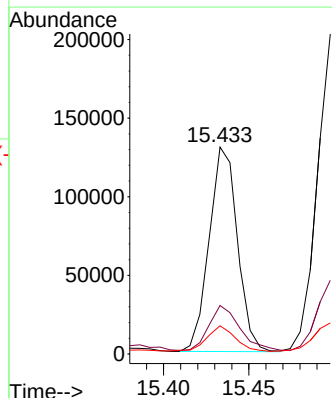
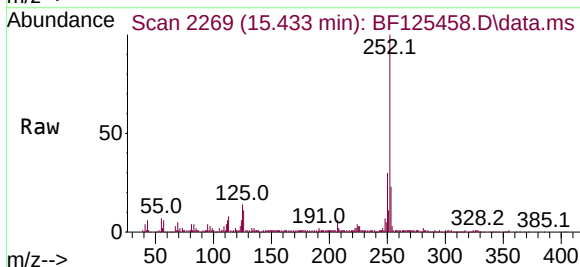
Instrument :
BNA_F
ClientSampleId :
PL-02-091021

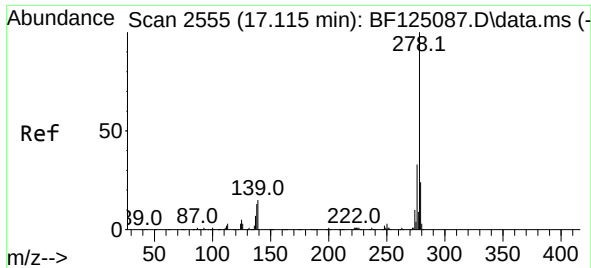
Tgt Ion:252 Resp: 422091
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 9.3 7.2 10.8



#90
Benzo(a)pyrene
Concen: 10.332 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.076 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion:252 Resp: 150111
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 13.6 9.9 14.9

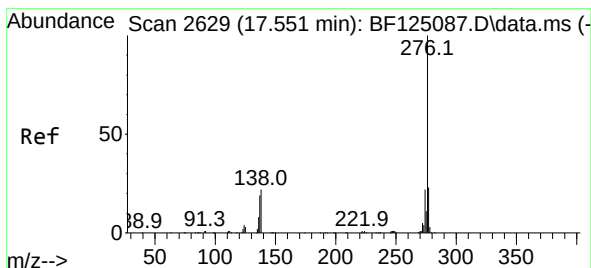
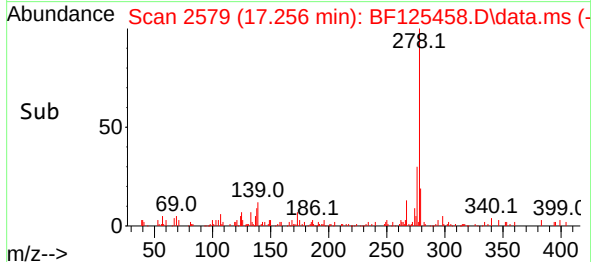
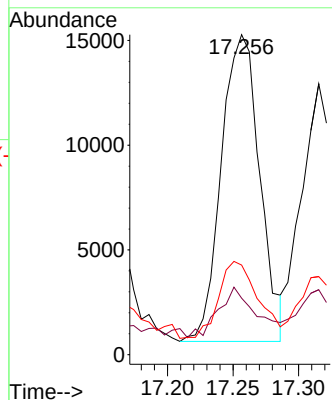
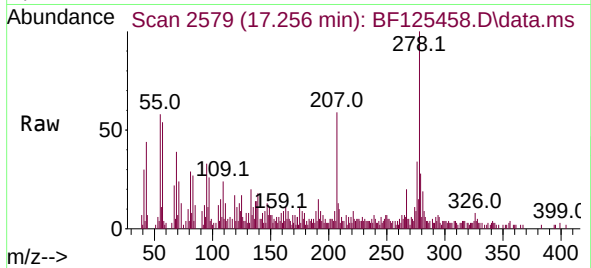




#91
Dibenzo(a,h)anthracene
Concen: 2.132 ng
RT: 17.256 min Scan# 2579
Delta R.T. 0.153 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Instrument :
BNA_F
ClientSampleId :
PL-02-091021

Tgt Ion:278 Resp: 29890
Ion Ratio Lower Upper
278 100
139 17.6 14.9 22.3
279 28.0 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 2.320 ng
RT: 17.774 min Scan# 2667
Delta R.T. 0.230 min
Lab File: BF125458.D
Acq: 13 Sep 2021 22:58

Tgt Ion:276 Resp: 31365
Ion Ratio Lower Upper
276 100
277 31.4 22.0 33.0
138 23.3 22.2 33.4

