

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
 Data File : BF125124.D
 Acq On : 19 Aug 2021 20:31
 Operator : JU/CG
 Sample : M3421-04RE 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11966

Quant Time: Aug 20 02:53:38 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)

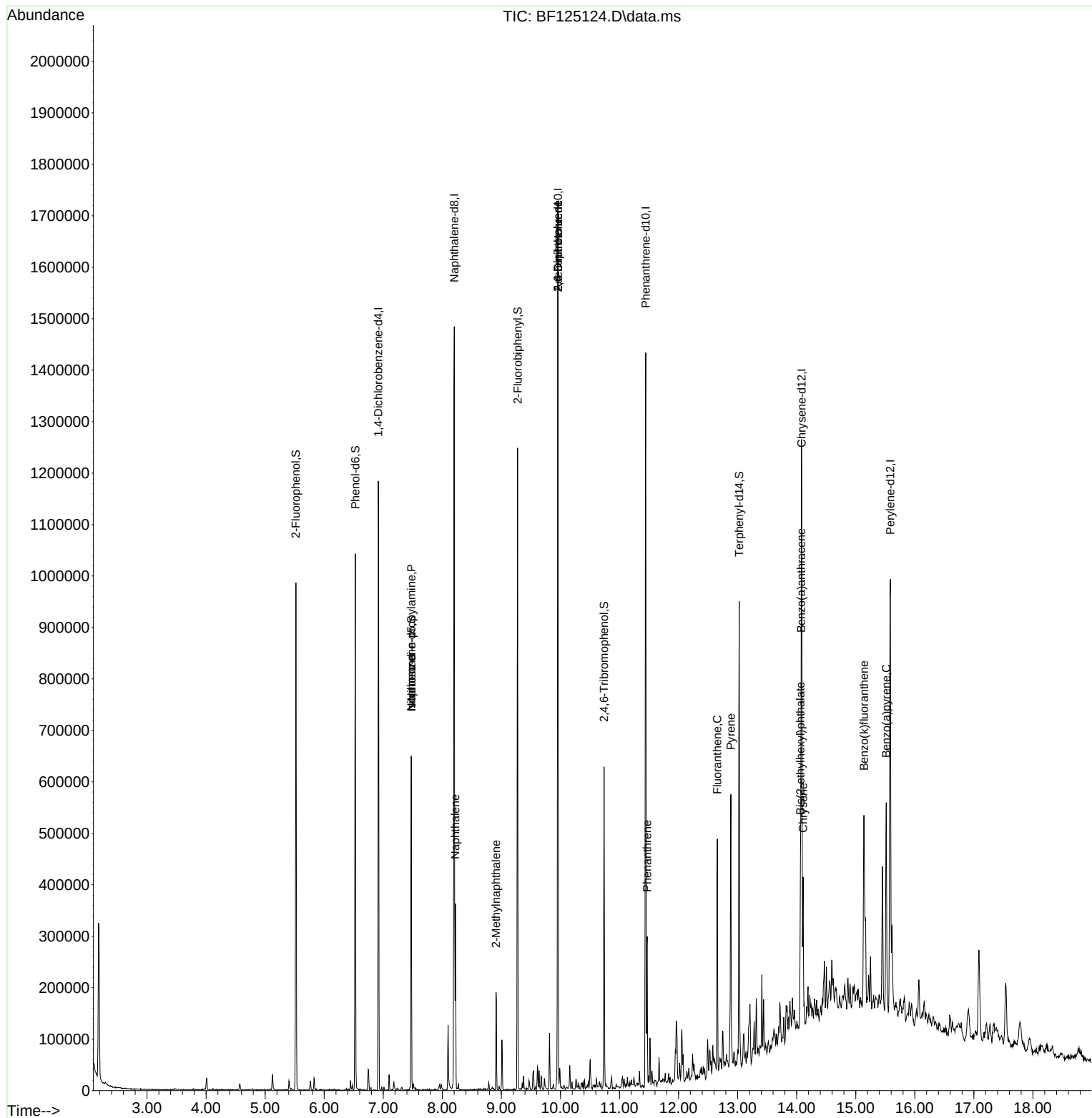
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	163226	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	618489	20.000	ng	# 0.00
39) Acenaphthene-d10	9.957	164	314757	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	500259	20.000	ng	0.00
76) Chrysene-d12	14.086	240	357900	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	404367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	215216	19.957	ng	-0.01
7) Phenol-d6	6.528	99	269854	19.348	ng	-0.01
23) Nitrobenzene-d5	7.475	82	162367	13.216	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	58782	18.709	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	327912	14.520	ng	0.00
79) Terphenyl-d14	13.027	244	279564	12.444	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	20802	2.480	ng	# 60
25) Isophorone	7.475	82	161862	6.830	ng	# 59
31) Naphthalene	8.222	128	121690	3.842	ng	97
37) 2-Methylnaphthalene	8.910	142	48904	2.336	ng	95
51) 2,6-Dinitrotoluene	9.957	165	40227	8.505	ng	# 27
57) 2,4-Dinitrotoluene	9.957	165	40227	7.027	ng	# 19
71) Phenanthrene	11.469	178	102381	3.714	ng	98
75) Fluoranthene	12.657	202	165477	6.050	ng	99
78) Pyrene	12.886	202	205481	6.693	ng	99
81) Benzo(a)anthracene	14.074	228	104949	4.070	ng	# 88
83) Chrysene	14.110	228	123947	4.860	ng	93
84) Bis(2-ethylhexyl)phtha...	14.063	149	60226	3.632	ng	# 100
89) Benzo(k)fluoranthene	15.139	252	278192	10.091	ng	97
90) Benzo(a)pyrene	15.515	252	190397	7.296	ng	98

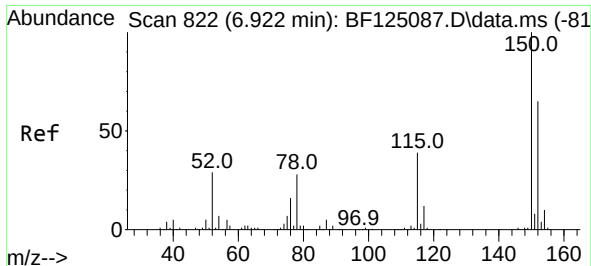
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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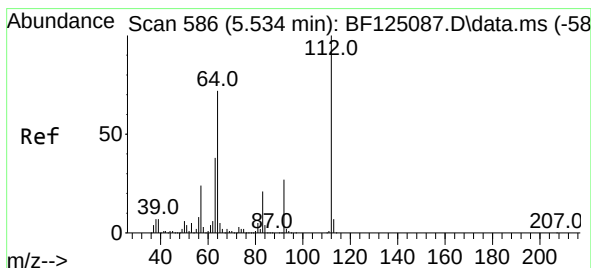
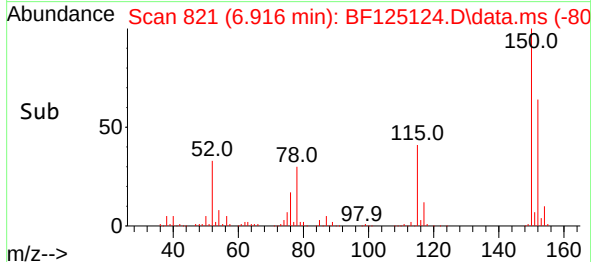
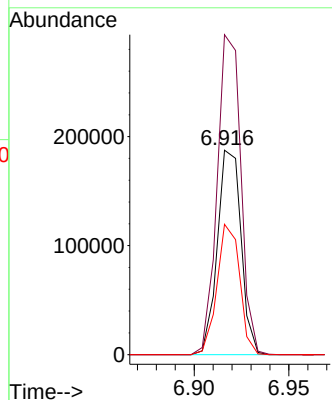
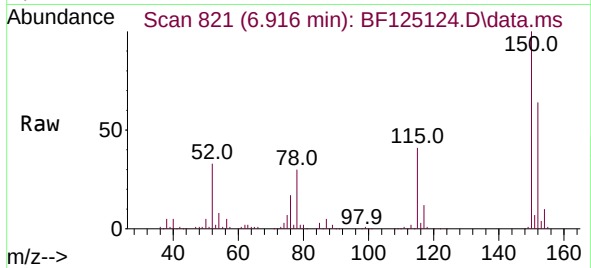




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

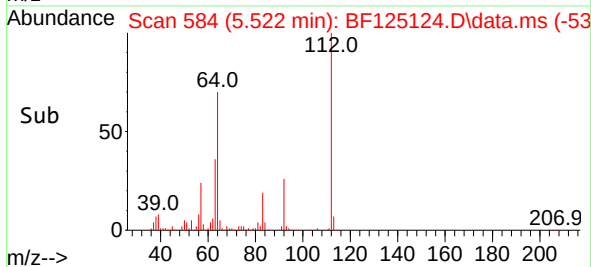
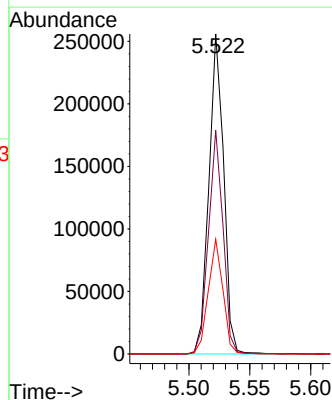
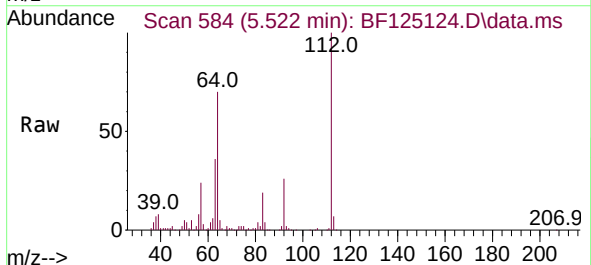
Instrument :
BNA_F
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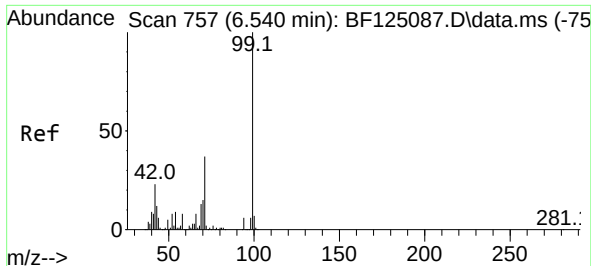
Tgt Ion:152 Resp: 163226
Ion Ratio Lower Upper
152 100
150 156.5 117.6 176.4
115 63.7 47.1 70.7



#5
2-Fluorophenol
Concen: 19.957 ng
RT: 5.522 min Scan# 584
Delta R.T. -0.012 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion:112 Resp: 215216
Ion Ratio Lower Upper
112 100
64 70.0 44.2 66.2#
63 35.8 26.2 39.2

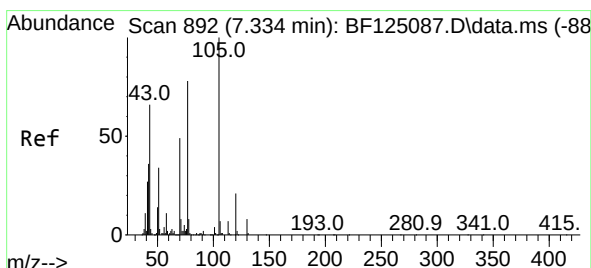
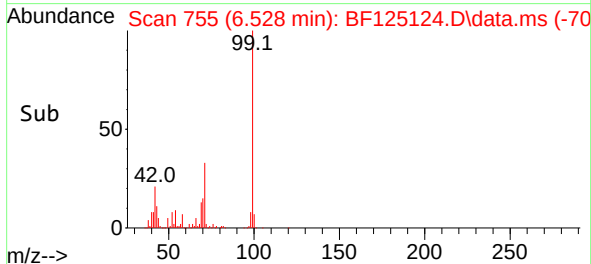
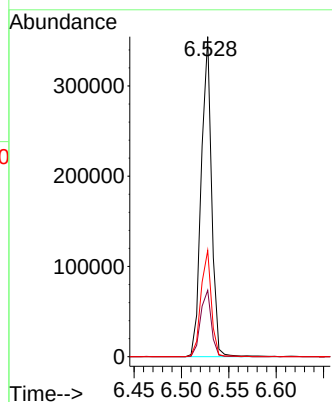
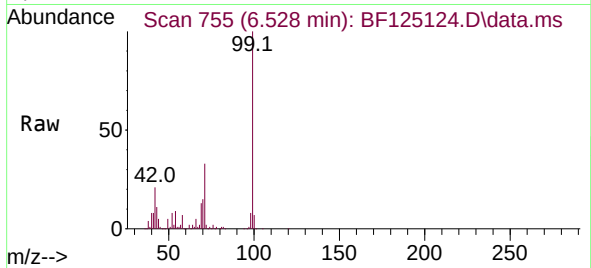




#7
Phenol-d6
Concen: 19.348 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

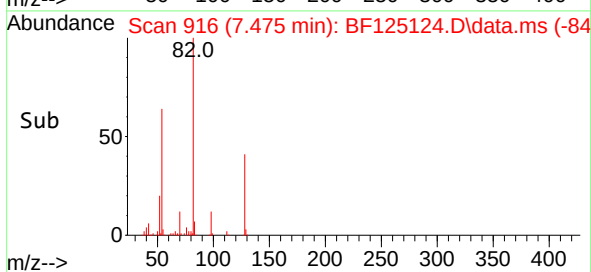
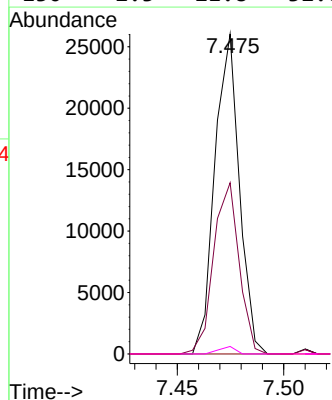
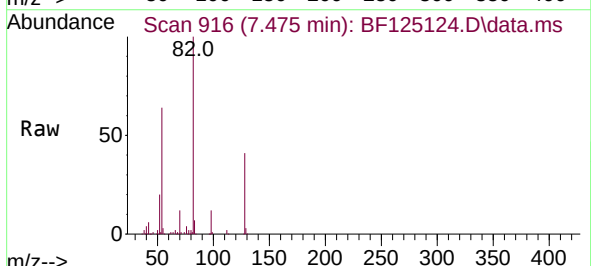
Instrument :
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ClientSampleId :
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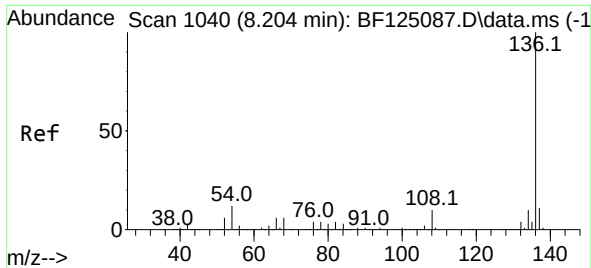
Tgt Ion: 99 Resp: 269854
Ion Ratio Lower Upper
99 100
42 20.7 23.5 35.3#
71 33.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.480 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.141 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion: 70 Resp: 20802
Ion Ratio Lower Upper
70 100
42 53.5 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

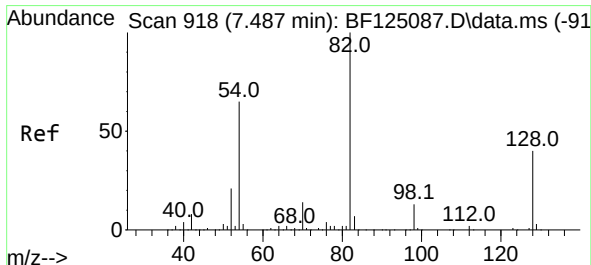
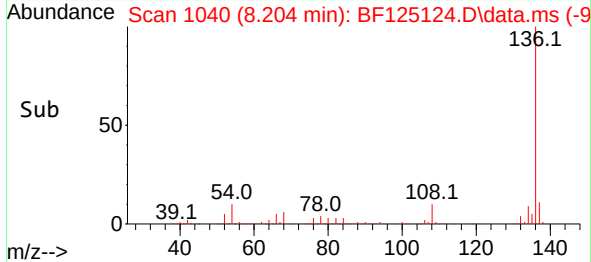
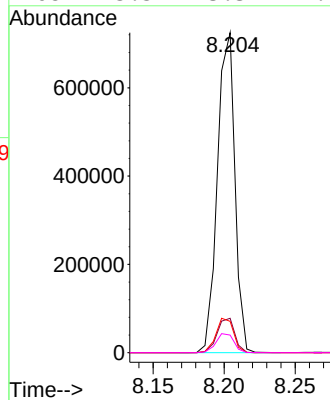
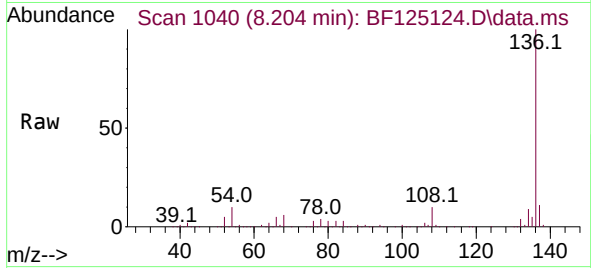




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

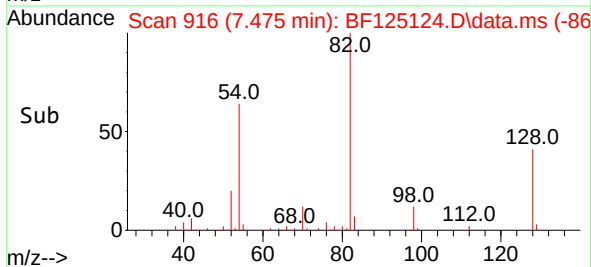
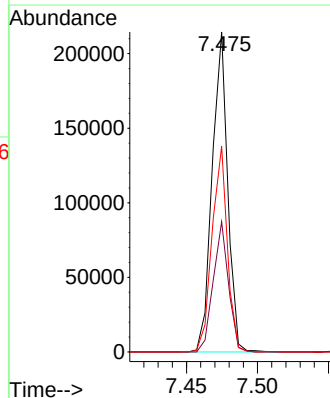
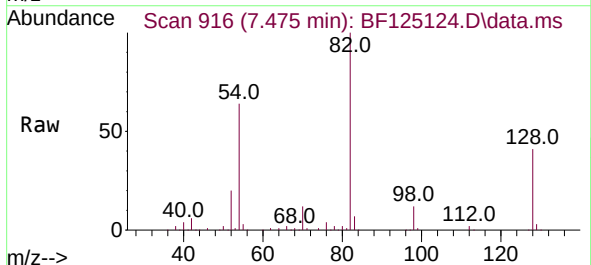
Instrument :
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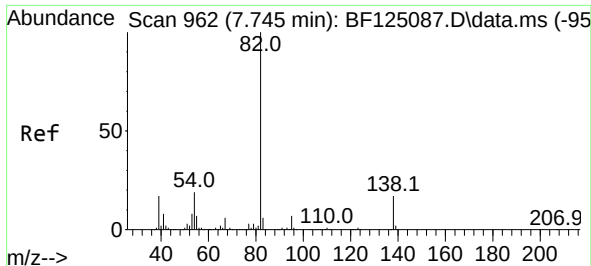
Tgt Ion:	136	Resp:	618489
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.8	14.6
54	9.8	6.4	9.6#
68	5.5	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 13.216 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.012 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion:	82	Resp:	162367
Ion Ratio	Lower	Upper	
82	100		
128	40.7	40.6	60.8
54	64.2	49.6	74.4

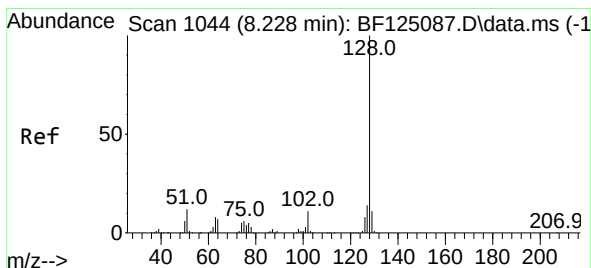
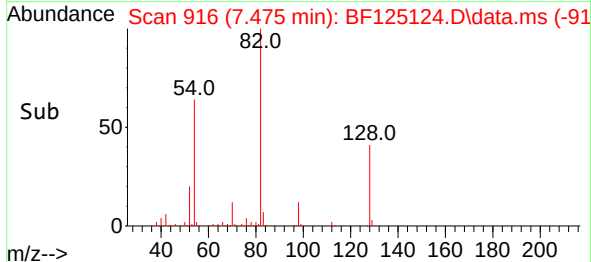
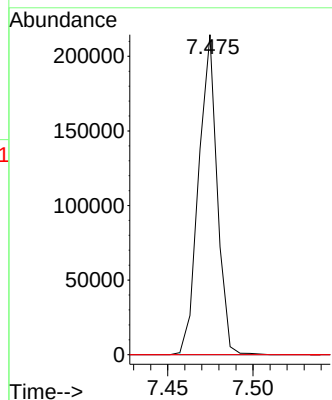
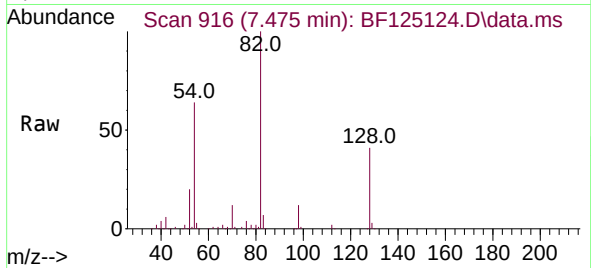




#25
Isophorone
Concen: 6.830 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.271 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

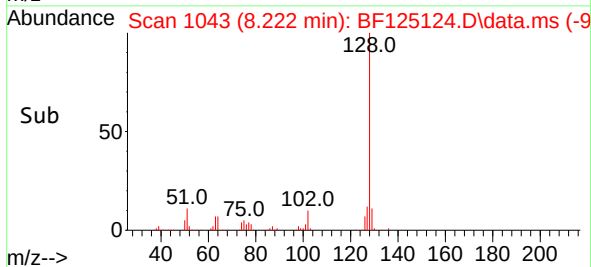
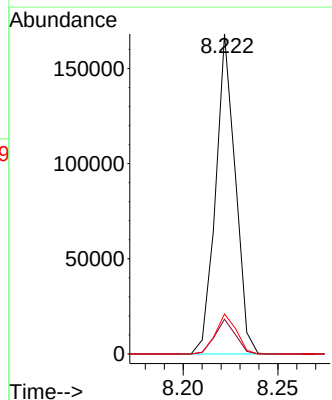
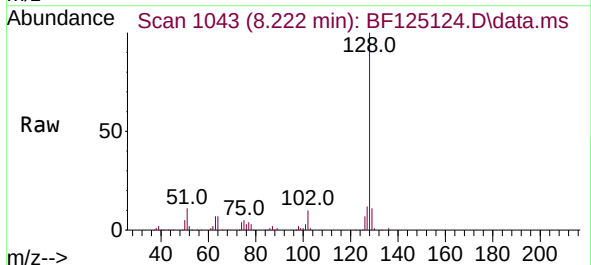
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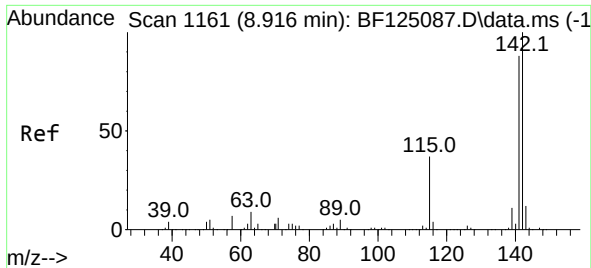
Tgt Ion: 82 Resp: 161862
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 3.842 ng
RT: 8.222 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion: 128 Resp: 121690
Ion Ratio Lower Upper
128 100
129 10.8 9.4 14.0
127 12.5 10.9 16.3

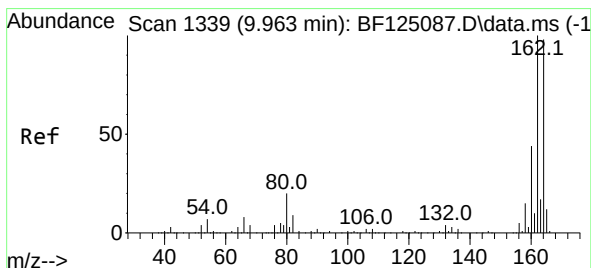
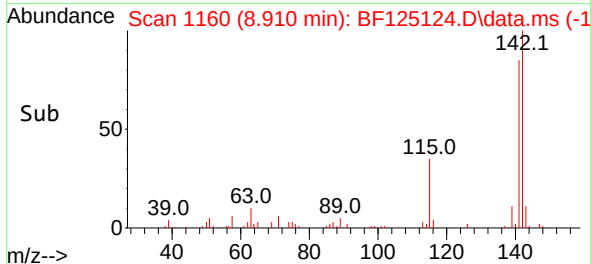
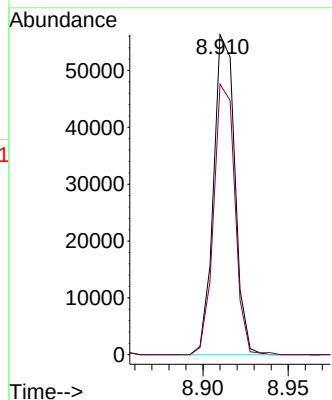
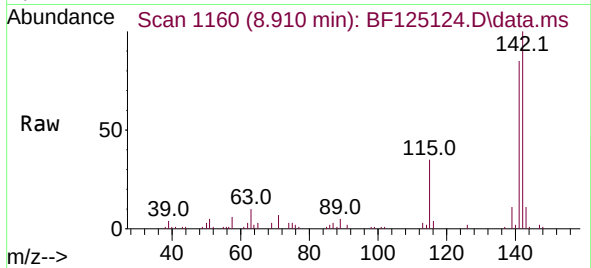




#37
2-Methylnaphthalene
Concen: 2.336 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

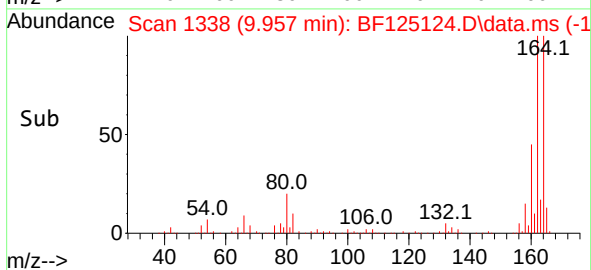
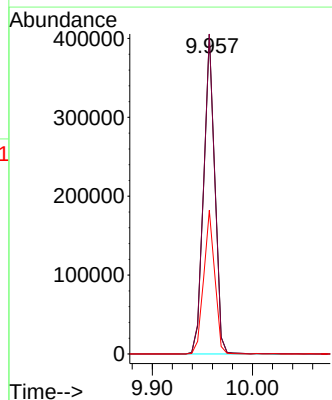
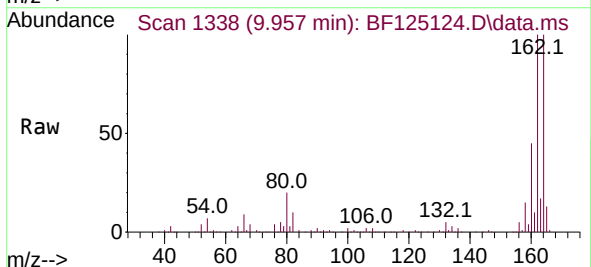
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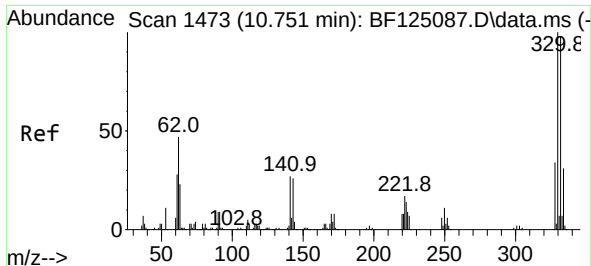
Tgt Ion:142 Resp: 48904
Ion Ratio Lower Upper
142 100
141 84.5 71.2 106.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion:164 Resp: 314757
Ion Ratio Lower Upper
164 100
162 100.1 81.3 121.9
160 45.0 38.0 57.0

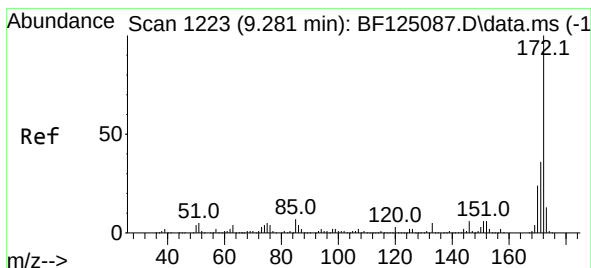
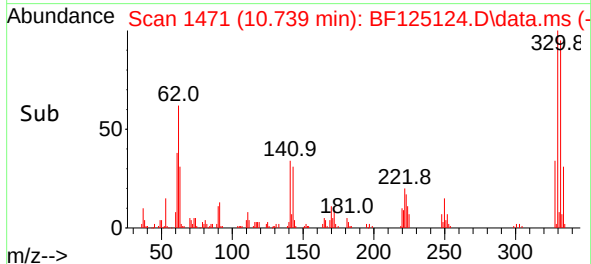
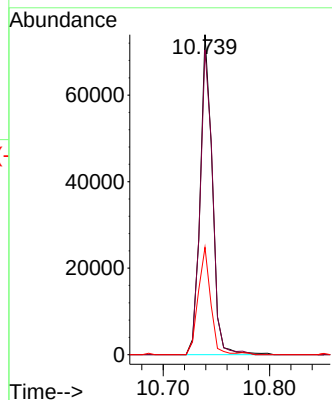
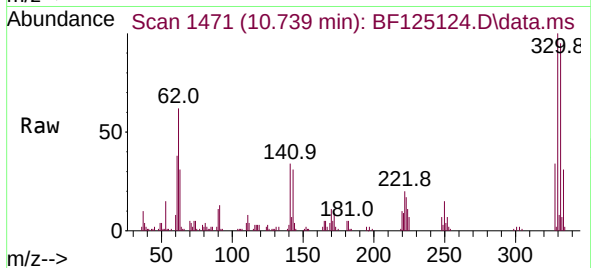




#42
2,4,6-Tribromophenol
Concen: 18.709 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.012 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

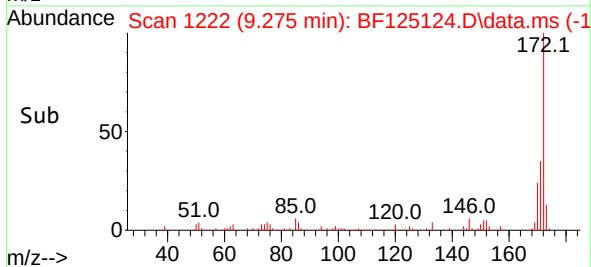
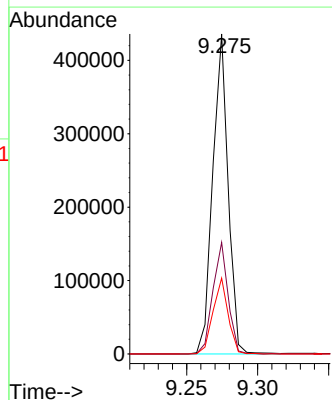
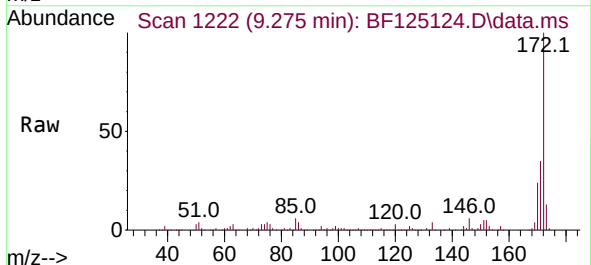
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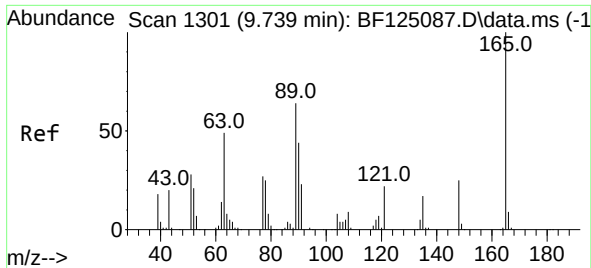
Tgt Ion: 330 Resp: 58782
Ion Ratio Lower Upper
330 100
332 97.7 76.2 114.4
141 34.8 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 14.520 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion: 172 Resp: 327912
Ion Ratio Lower Upper
172 100
171 34.8 26.5 39.7
170 23.7 18.8 28.2

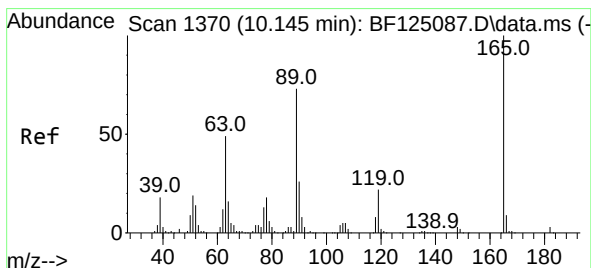
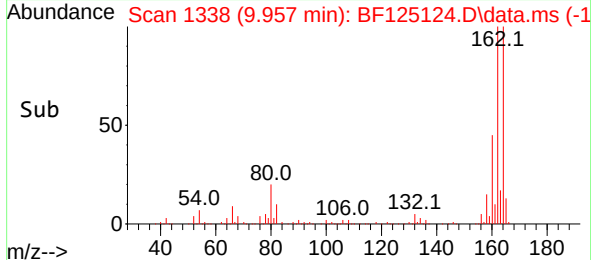
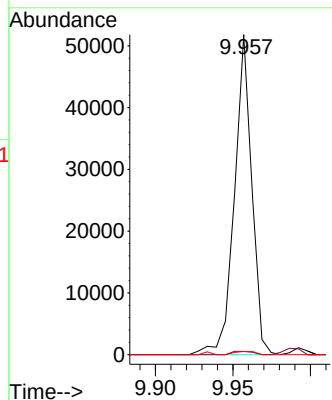
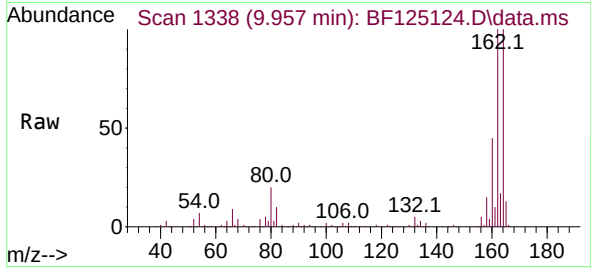




#51
2,6-Dinitrotoluene
Concen: 8.505 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.218 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

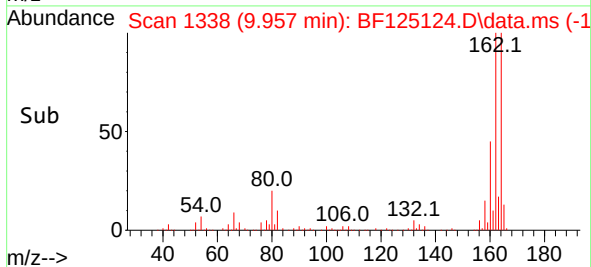
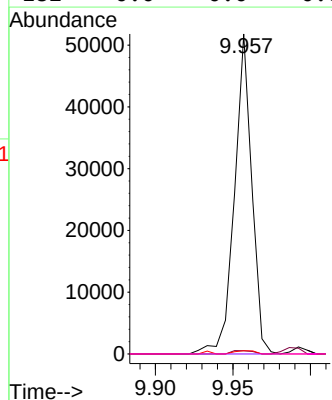
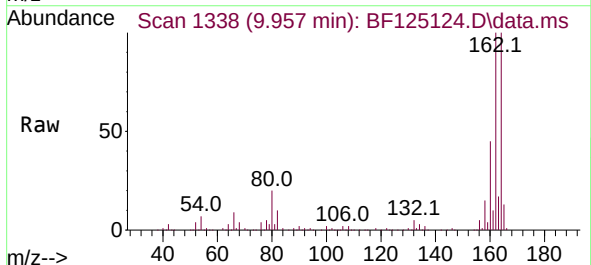
Instrument :
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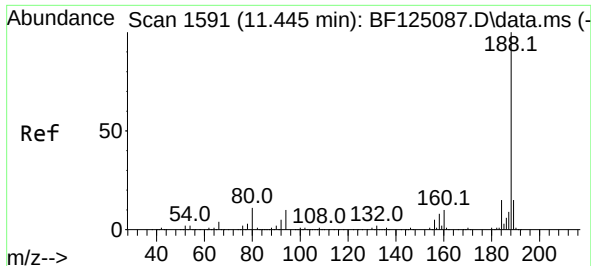
Tgt Ion:165 Resp: 40227
Ion Ratio Lower Upper
165 100
63 1.0 42.6 63.8#
89 1.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.027 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.188 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion:165 Resp: 40227
Ion Ratio Lower Upper
165 100
63 1.0 40.9 61.3#
89 1.0 59.7 89.5#
182 0.0 0.0 0.0

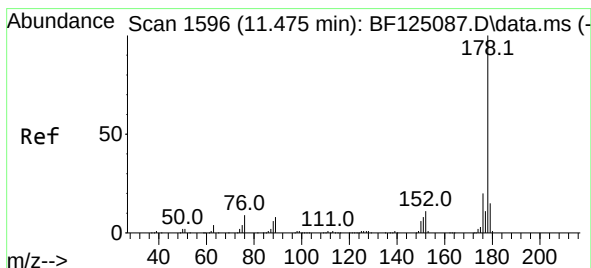
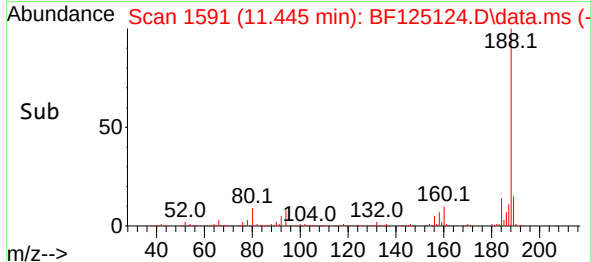
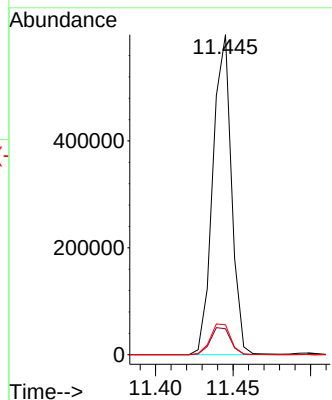
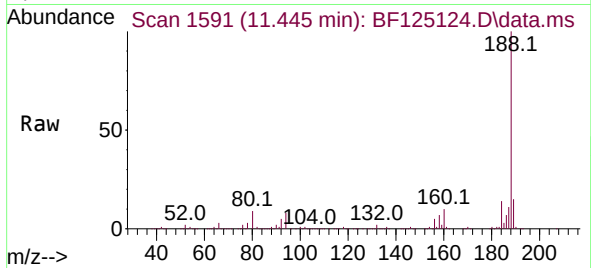




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

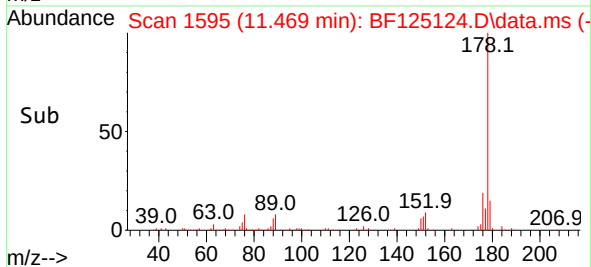
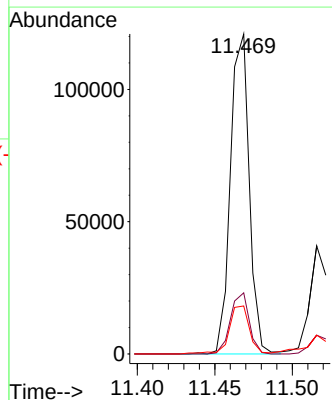
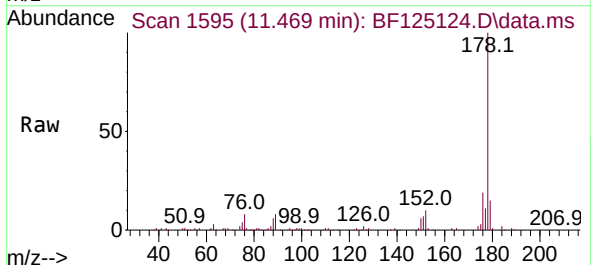
Instrument :
BNA_F
ClientSampleId :
72-11966

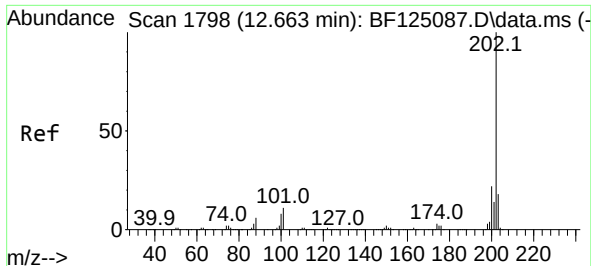
Tgt Ion:188 Resp: 500259
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 9.3 7.5 11.3



#71
Phenanthrene
Concen: 3.714 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion:178 Resp: 102381
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 15.0 11.5 17.3

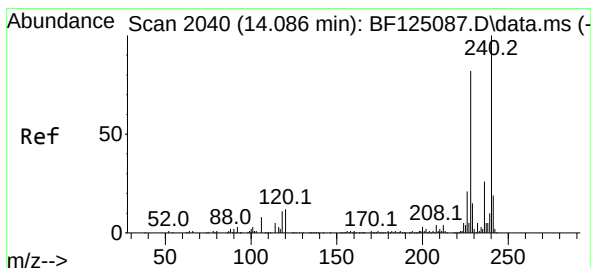
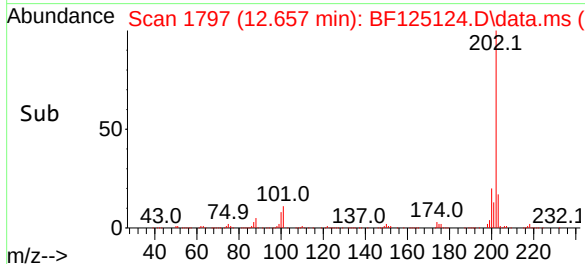
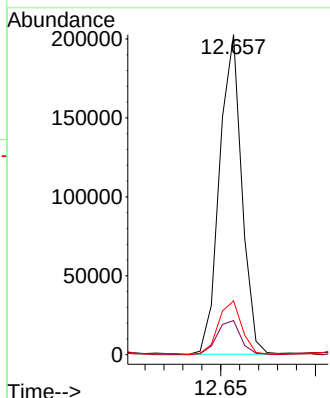
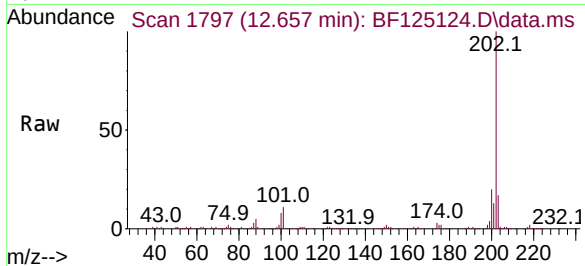




#75
Fluoranthene
Concen: 6.050 ng
RT: 12.657 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

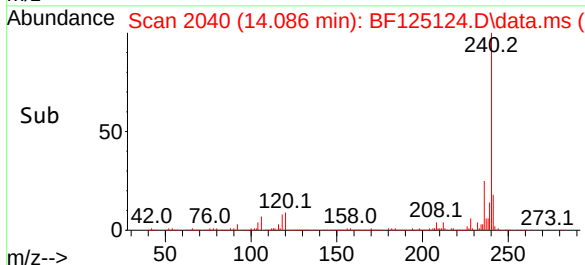
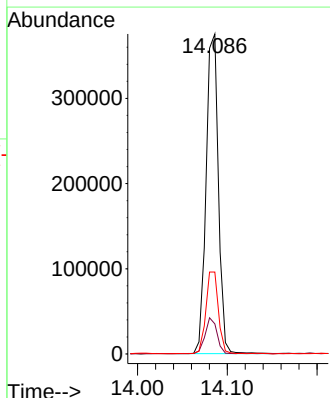
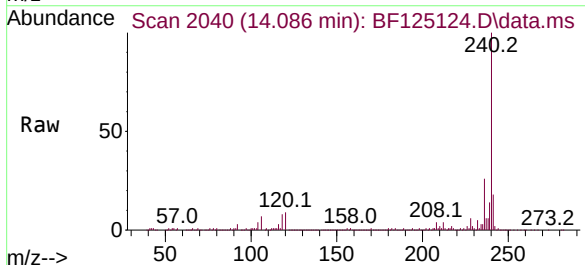
Instrument :
BNA_F
ClientSampleId :
72-11966

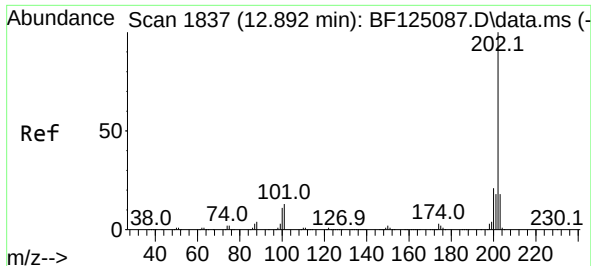
Tgt Ion:202 Resp: 165477
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.7
203 16.8 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion:240 Resp: 357900
Ion Ratio Lower Upper
240 100
120 9.4 10.8 16.2#
236 25.6 21.6 32.4

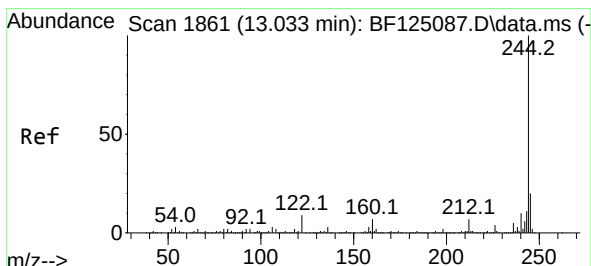
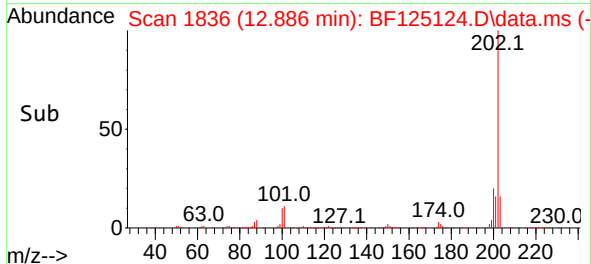
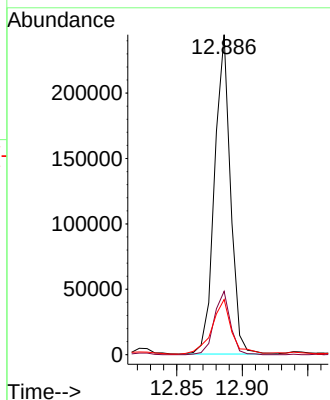
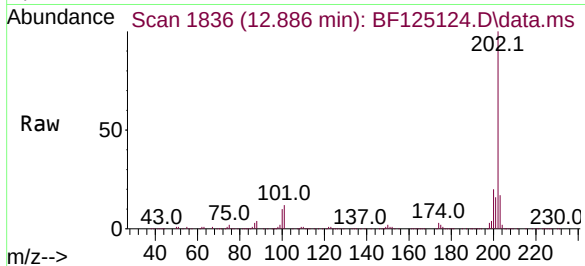




#78
Pyrene
Concen: 6.693 ng
RT: 12.886 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

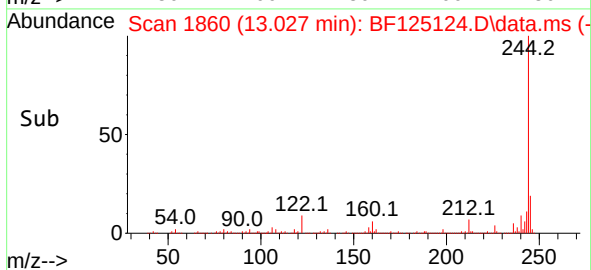
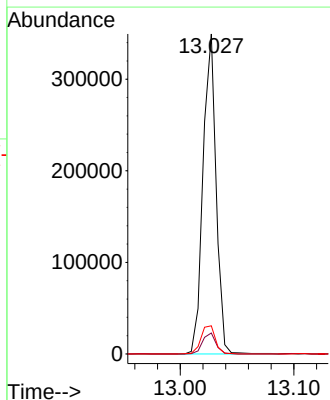
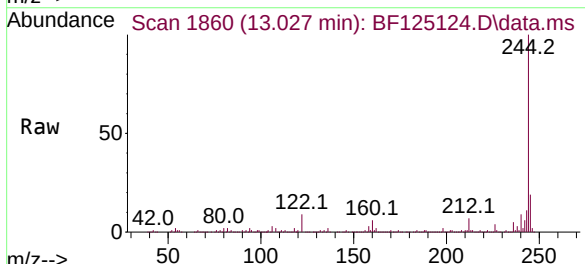
Instrument :
BNA_F
ClientSampleId :
72-11966

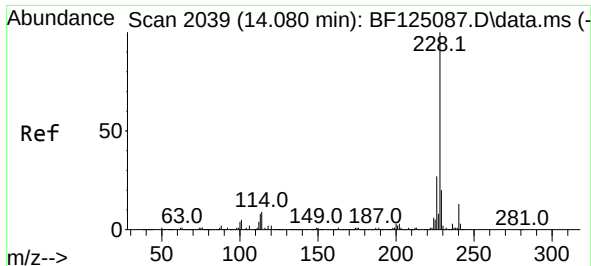
Tgt Ion:202 Resp: 205481
Ion Ratio Lower Upper
202 100
200 19.8 15.3 22.9
203 17.3 13.4 20.0



#79
Terphenyl-d14
Concen: 12.444 ng
RT: 13.027 min Scan# 1860
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion:244 Resp: 279564
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 8.8 9.0 13.4#

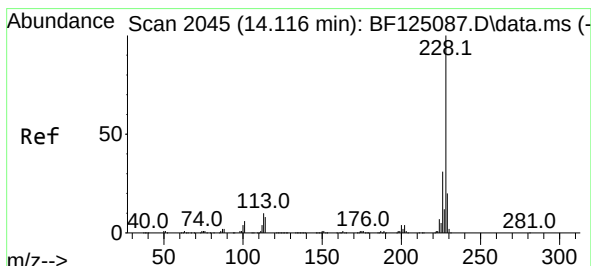
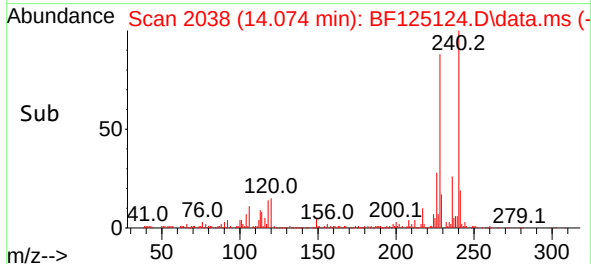
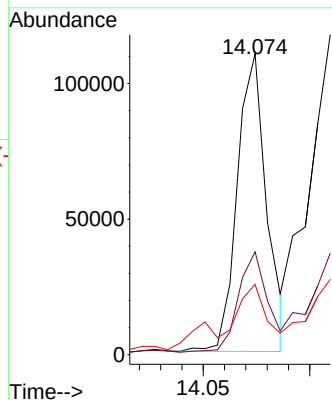
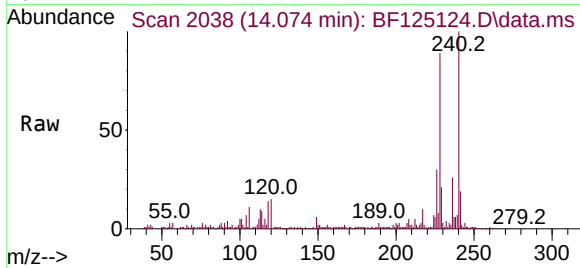




#81
Benzo(a)anthracene
Concen: 4.070 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

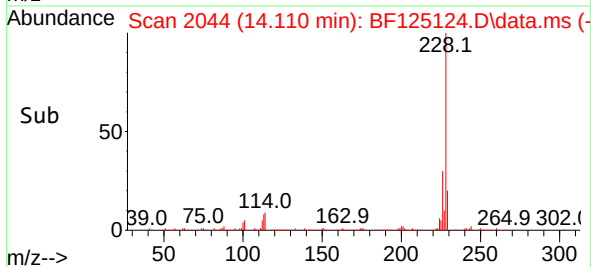
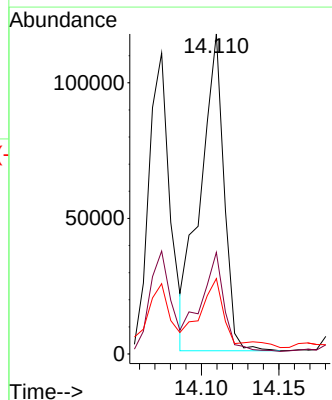
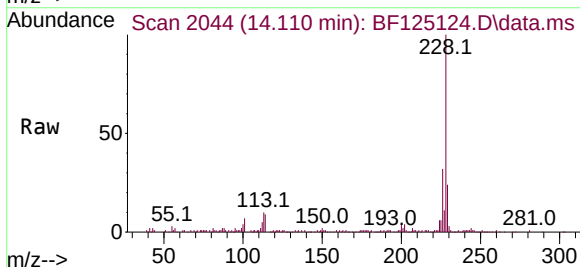
Instrument :
BNA_F
ClientSampled :
72-11966

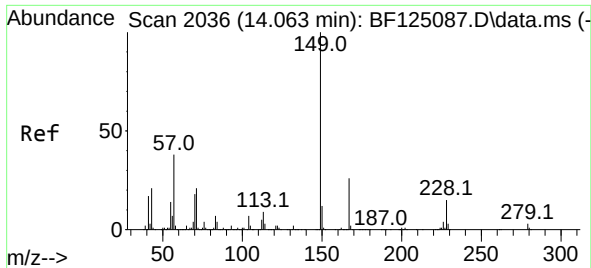
Tgt Ion:228 Resp: 104949
Ion Ratio Lower Upper
228 100
226 34.2 21.6 32.4#
229 23.3 15.6 23.4



#83
Chrysene
Concen: 4.860 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion:228 Resp: 123947
Ion Ratio Lower Upper
228 100
226 31.8 22.6 34.0
229 23.5 15.9 23.9

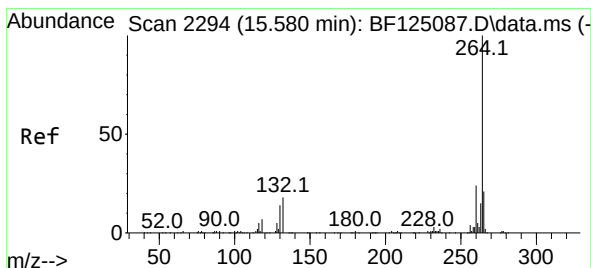
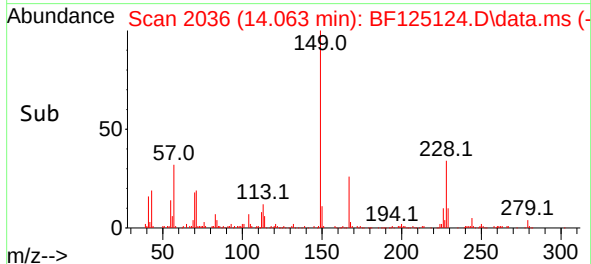
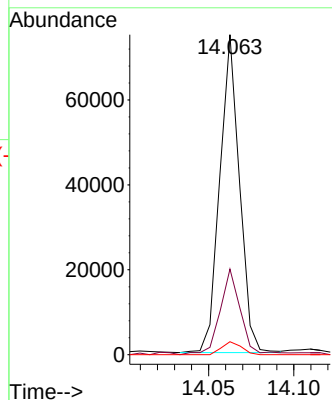
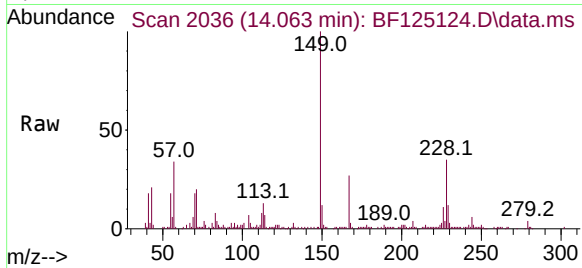




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.632 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

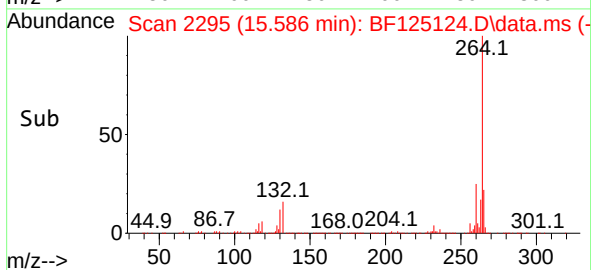
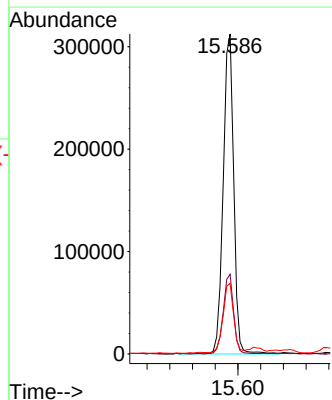
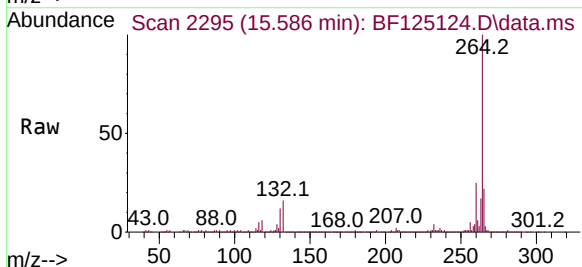
Instrument :
BNA_F
ClientSampleId :
72-11966

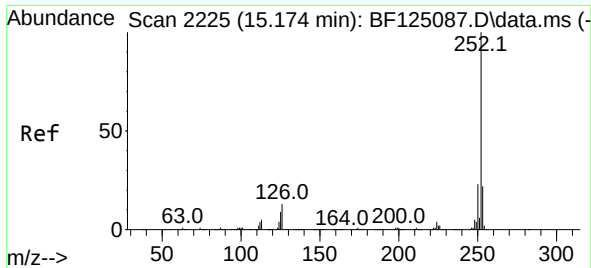
Tgt Ion:149 Resp: 60226
Ion Ratio Lower Upper
149 100
167 26.8 21.4 32.0
279 4.1 2.6 4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion:264 Resp: 404367
Ion Ratio Lower Upper
264 100
260 24.9 19.6 29.4
265 22.0 17.2 25.8

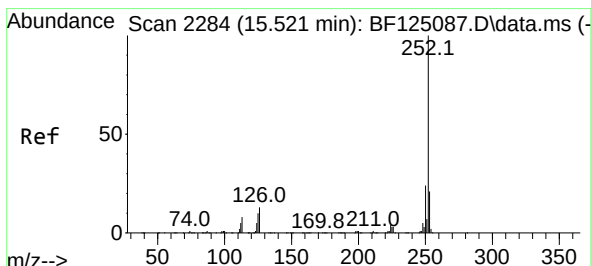
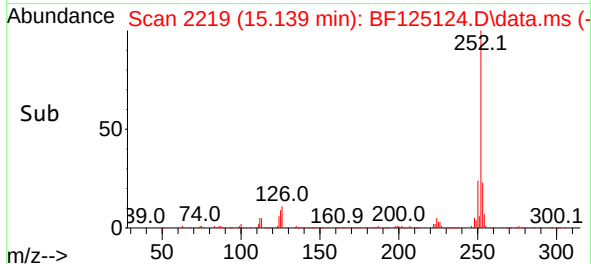
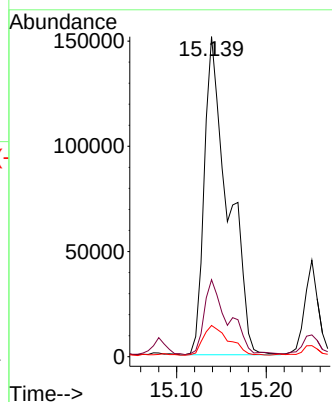
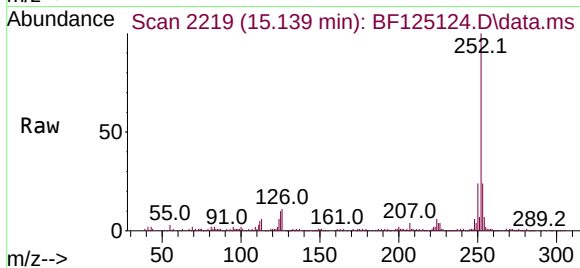




#89
Benzo(k)fluoranthene
Concen: 10.091 ng
RT: 15.139 min Scan# 2219
Delta R.T. -0.035 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Instrument :
BNA_F
ClientSampleId :
72-11966

Tgt Ion:252 Resp: 278192
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 9.8 7.2 10.8



#90
Benzo(a)pyrene
Concen: 7.296 ng
RT: 15.515 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BF125124.D
Acq: 19 Aug 2021 20:31

Tgt Ion:252 Resp: 190397
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 10.5 9.9 14.9

