

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082421\
 Data File : BF125191.D
 Acq On : 24 Aug 2021 18:24
 Operator : JU/CG
 Sample : M3521-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124019

Quant Time: Aug 25 04:36:08 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)

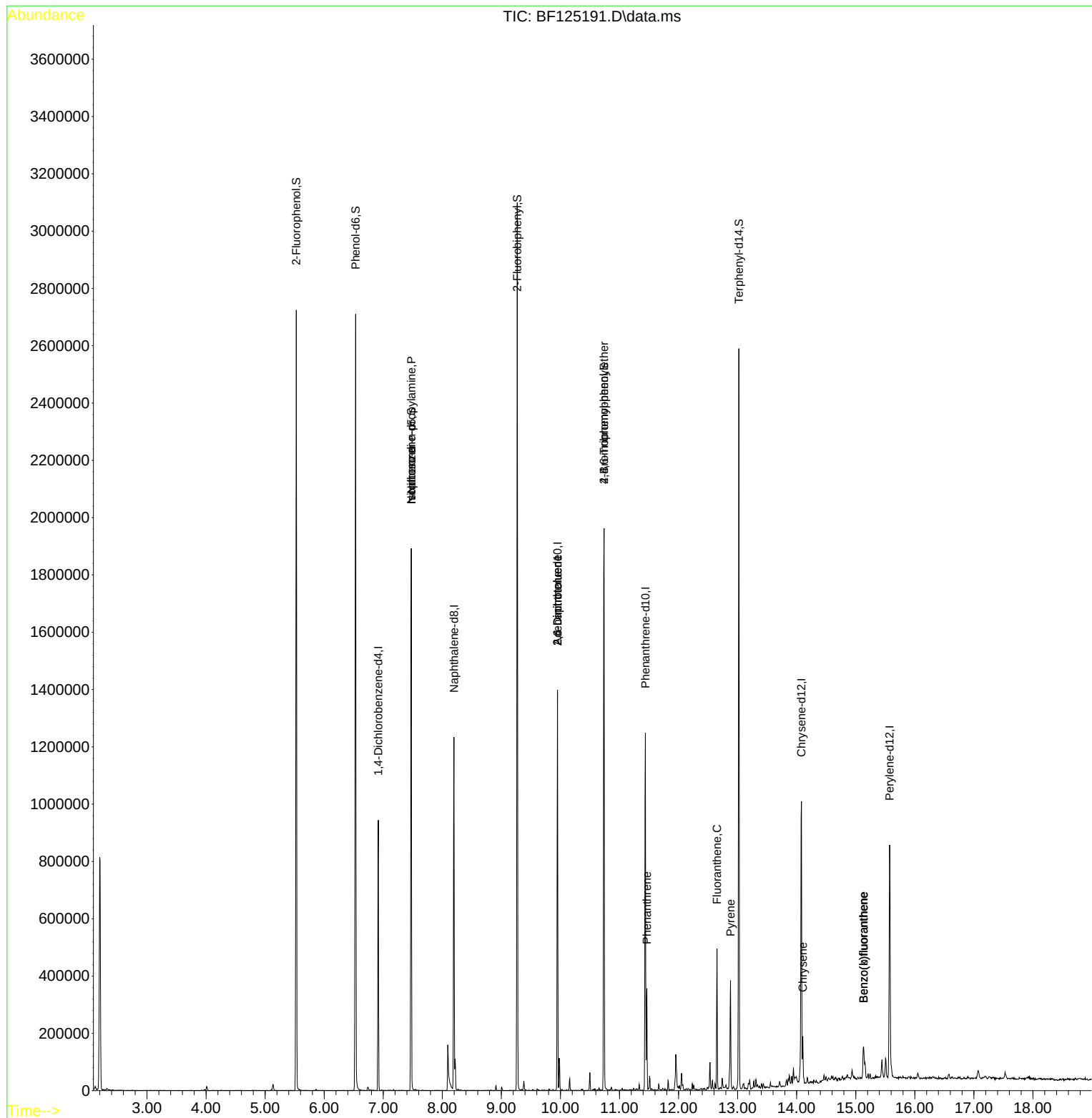
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	129137	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	486489	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	256852	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	452900	20.000	ng	0.00
76) Chrysene-d12	14.080	240	335626	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	372481	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	640527	75.075	ng	0.00
7) Phenol-d6	6.534	99	797669	72.290	ng	0.00
23) Nitrobenzene-d5	7.475	82	524388	54.266	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	232471	90.669	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	864262	46.897	ng	0.00
79) Terphenyl-d14	13.021	244	823002	39.065	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	70215	10.579	ng	# 57
25) Isophorone	7.475	82	524380	28.129	ng	# 59
51) 2,6-Dinitrotoluene	9.951	165	32876	8.518	ng	# 28
57) 2,4-Dinitrotoluene	9.951	165	32876	7.038	ng	# 20
67) 4-Bromophenyl-phenylether	10.739	248	14447	2.656	ng	# 1
71) Phenanthrene	11.463	178	127806	5.121	ng	100
75) Fluoranthene	12.651	202	176288	7.119	ng	98
78) Pyrene	12.880	202	146661	5.094	ng	94
83) Chrysene	14.104	228	62640	2.619	ng	99
88) Benzo(b)fluoranthene	15.133	252	86194	3.167	ng	# 92
89) Benzo(k)fluoranthene	15.133	252	86194	3.394	ng	96

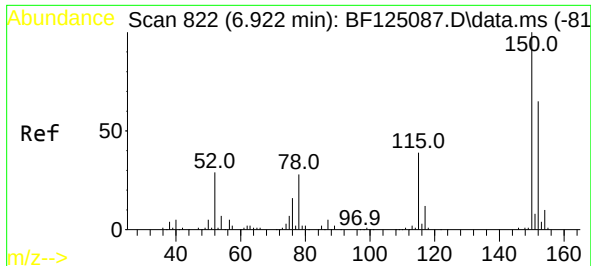
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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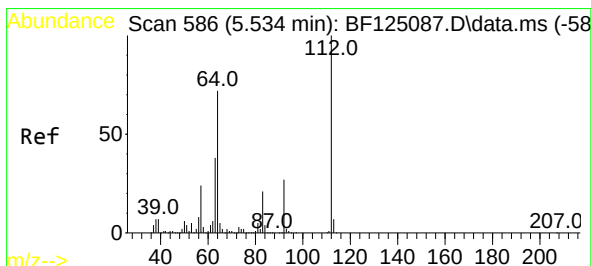
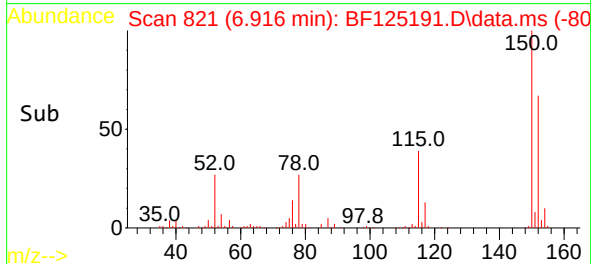
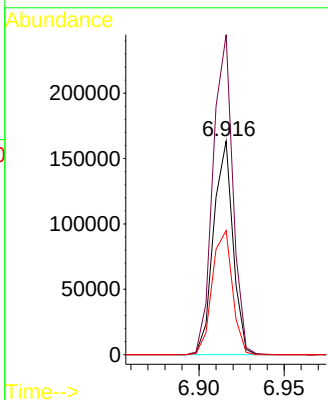
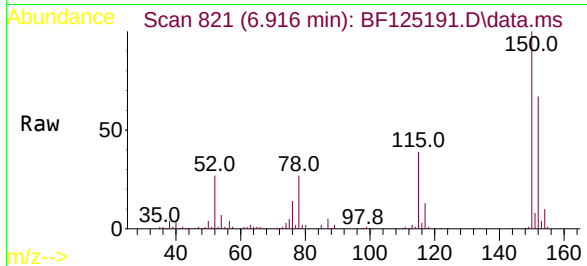




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

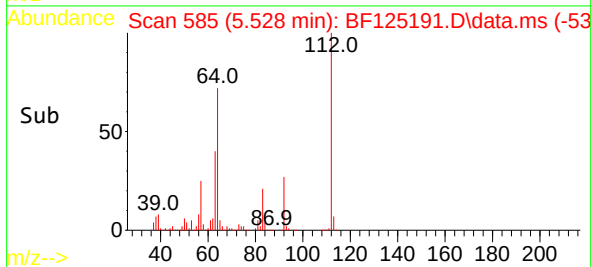
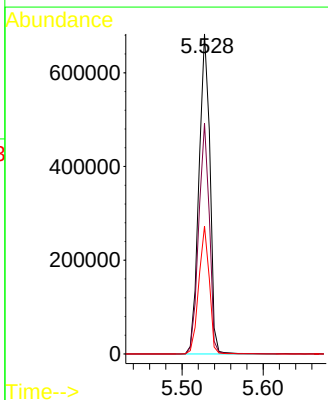
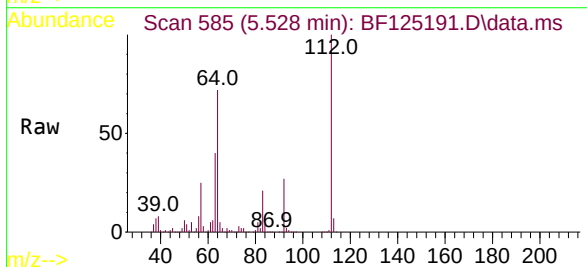
Instrument :
BNA_F
ClientSampleId :
124019

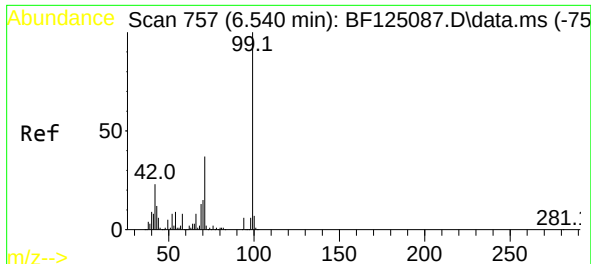
Tgt Ion:152 Resp: 129137
Ion Ratio Lower Upper
152 100
150 149.8 117.6 176.4
115 58.1 47.1 70.7



#5
2-Fluorophenol
Concen: 75.075 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.000 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

Tgt Ion:112 Resp: 640527
Ion Ratio Lower Upper
112 100
64 72.0 44.2 66.2#
63 40.0 26.2 39.2#

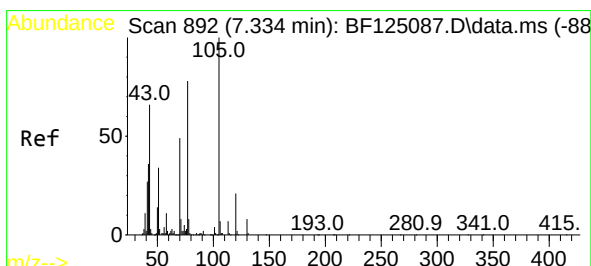
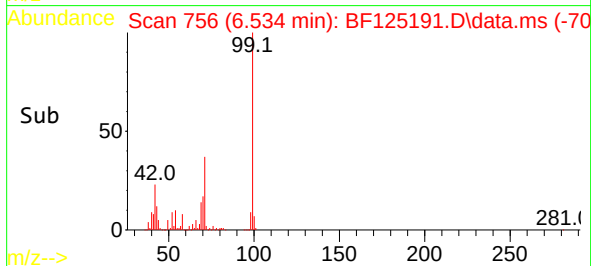
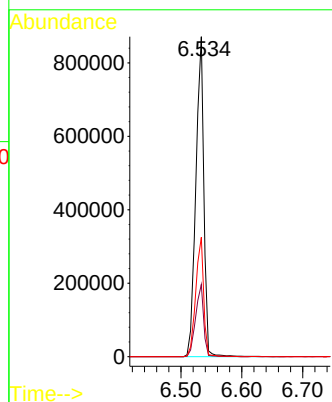
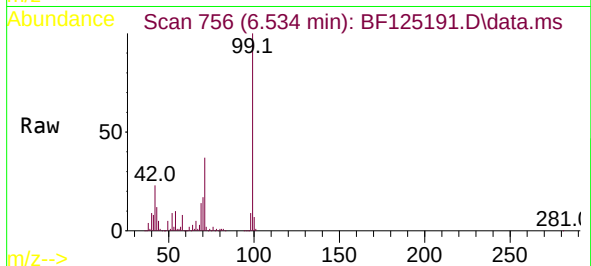




#7
Phenol-d6
Concen: 72.290 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

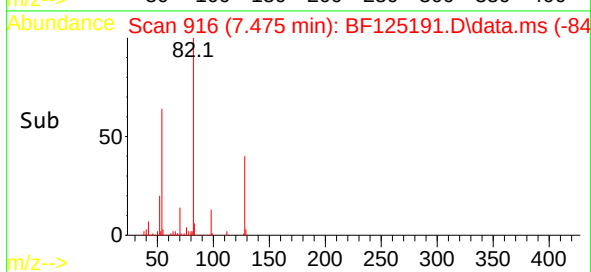
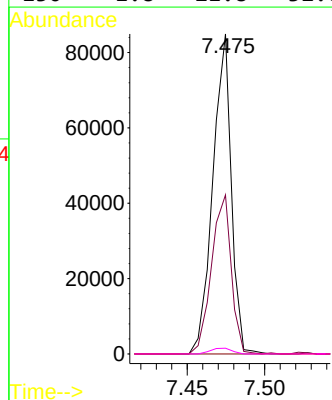
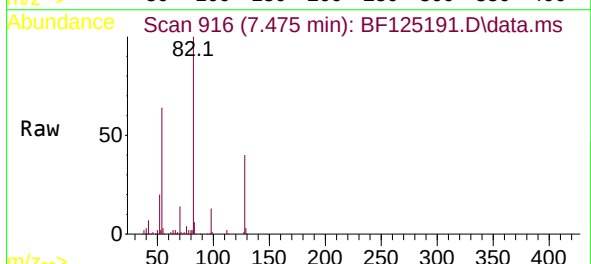
Instrument :
BNA_F
ClientSampleId :
124019

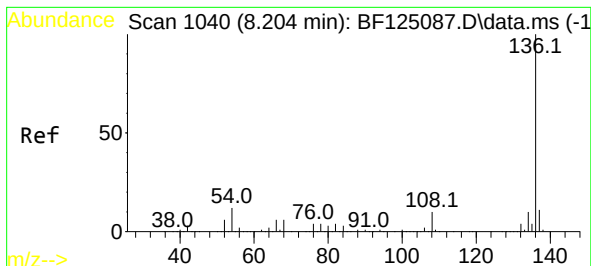
Tgt Ion: 99 Resp: 797669
Ion Ratio Lower Upper
99 100
42 22.5 23.5 35.3#
71 37.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.579 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

Tgt Ion: 70 Resp: 70215
Ion Ratio Lower Upper
70 100
42 49.7 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

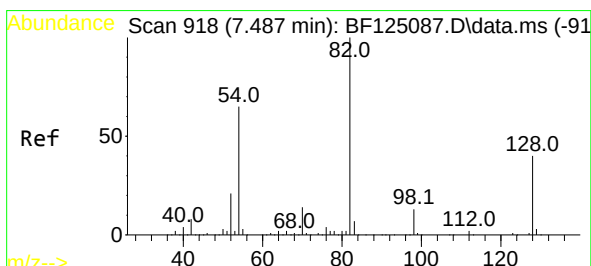
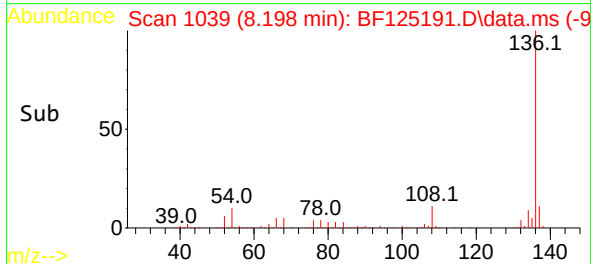
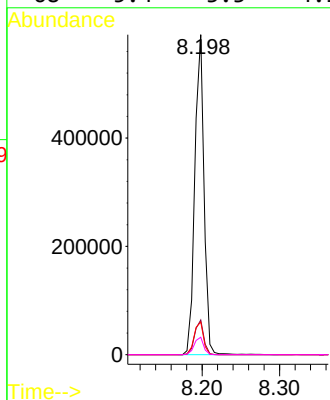
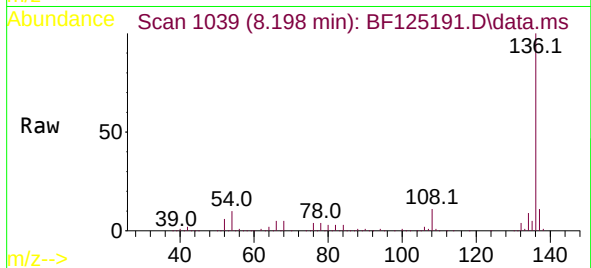




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

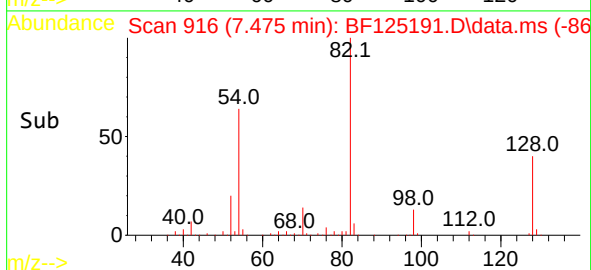
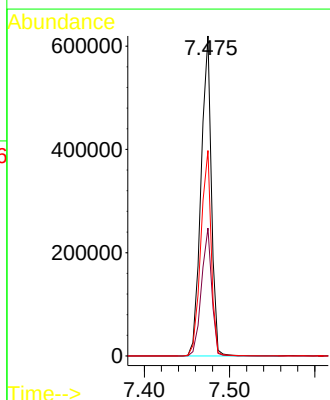
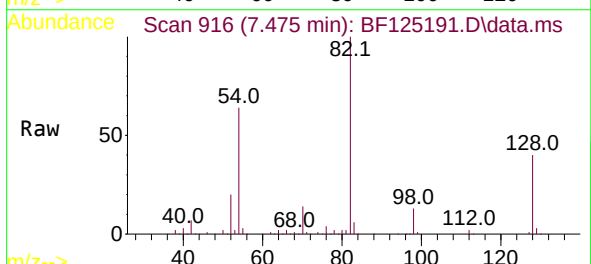
Instrument :
BNA_F
ClientSampleId :
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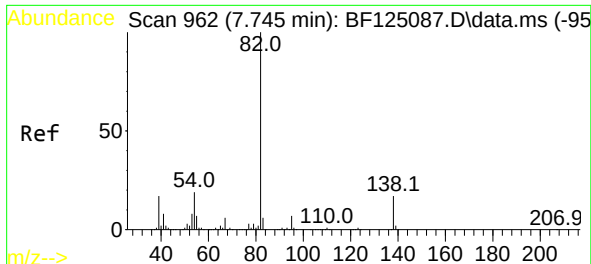
Tgt Ion:	136	Resp:	486489
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.8	14.6
54	10.2	6.4	9.6#
68	5.4	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 54.266 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

Tgt Ion:	82	Resp:	524388
Ion	Ratio	Lower	Upper
82	100		
128	40.0	40.6	60.8#
54	64.2	49.6	74.4

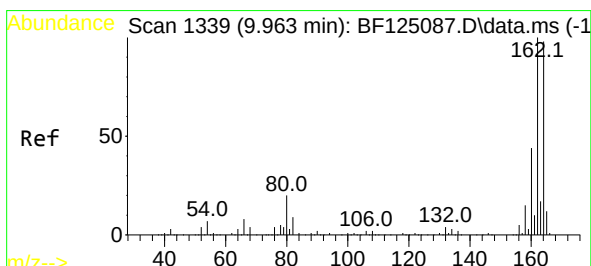
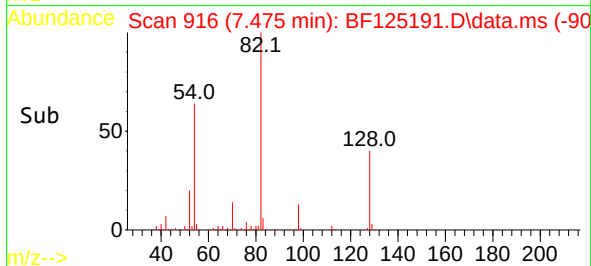
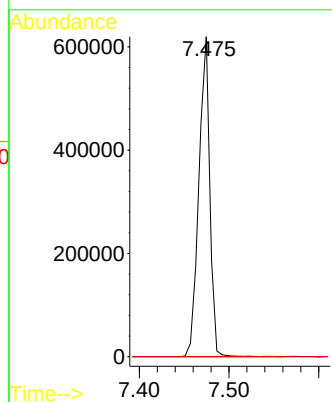
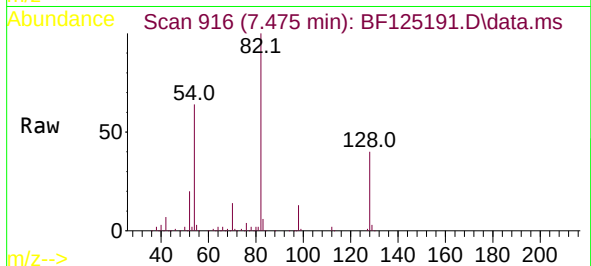




#25
Isophorone
Concen: 28.129 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.259 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

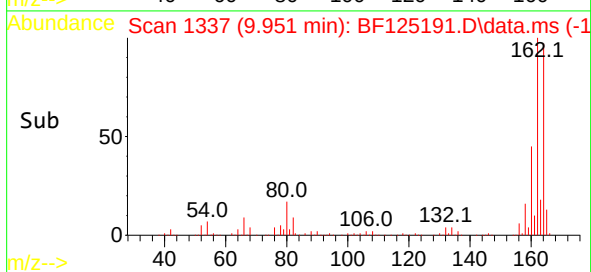
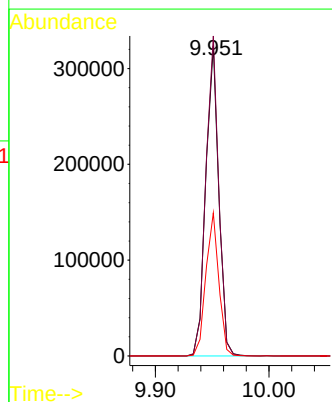
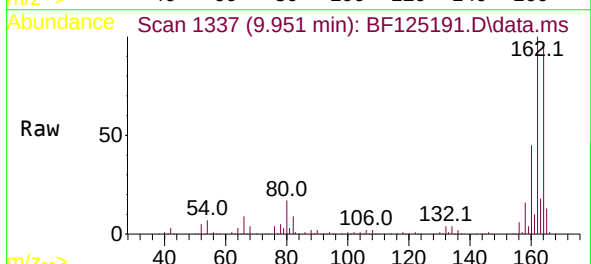
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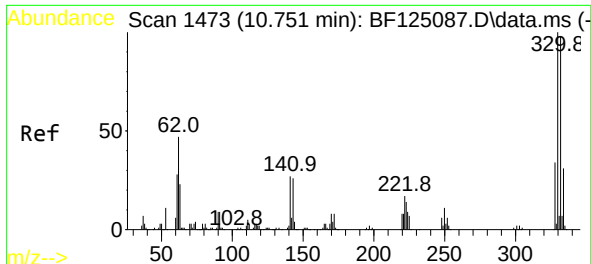
Tgt Ion: 82 Resp: 524380
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

Tgt Ion: 164 Resp: 256852
Ion Ratio Lower Upper
164 100
162 103.2 81.3 121.9
160 46.1 38.0 57.0

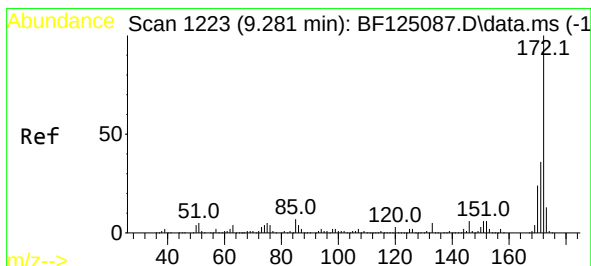
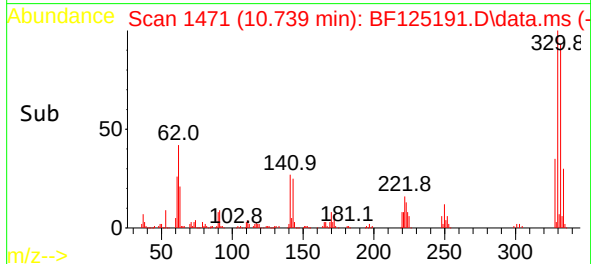
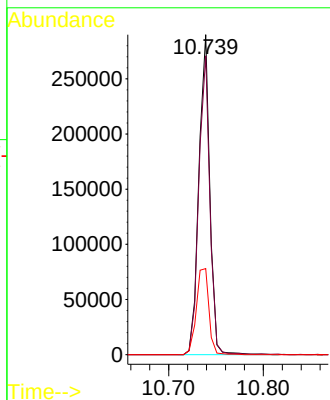
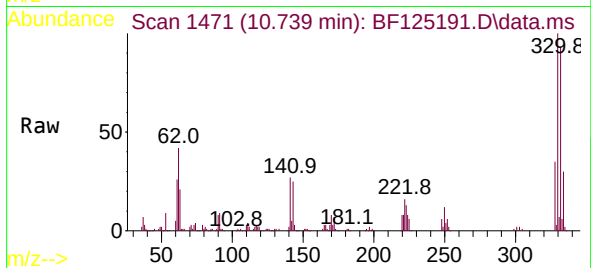




#42
2,4,6-Tribromophenol
Concen: 90.669 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

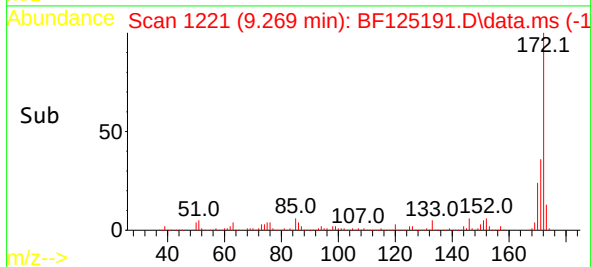
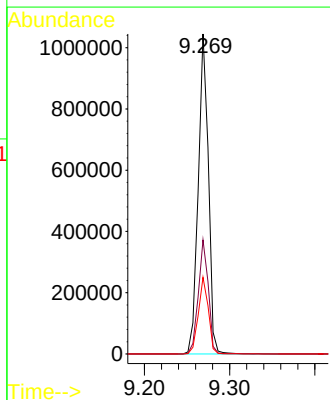
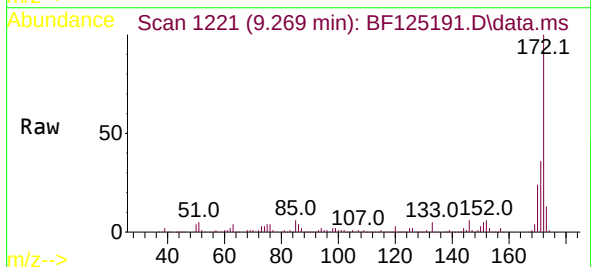
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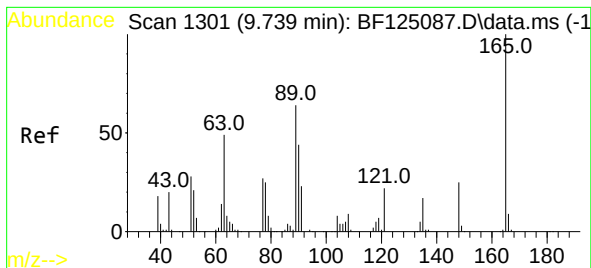
Tgt Ion:330 Resp: 232471
Ion Ratio Lower Upper
330 100
332 94.4 76.2 114.4
141 31.0 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 46.897 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

Tgt Ion:172 Resp: 864262
Ion Ratio Lower Upper
172 100
171 35.7 26.5 39.7
170 24.0 18.8 28.2

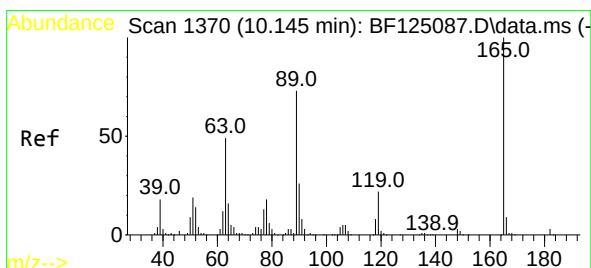
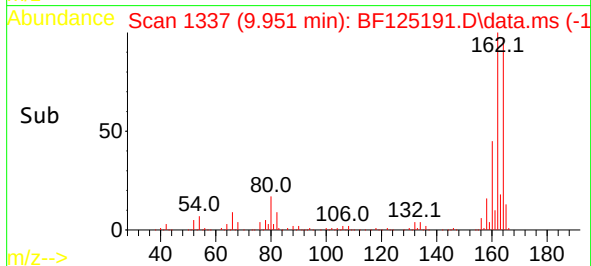
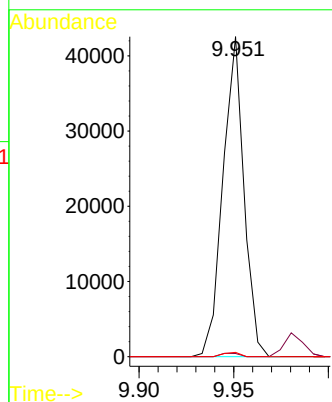
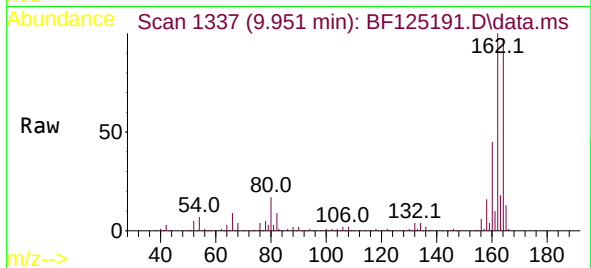




#51
2,6-Dinitrotoluene
Concen: 8.518 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.218 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

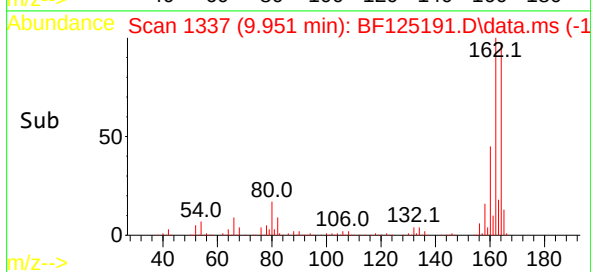
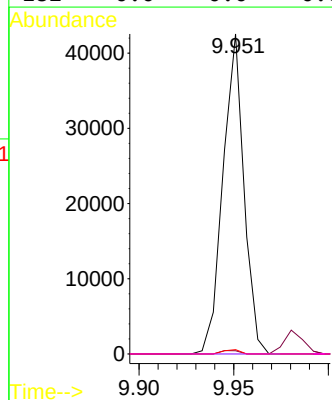
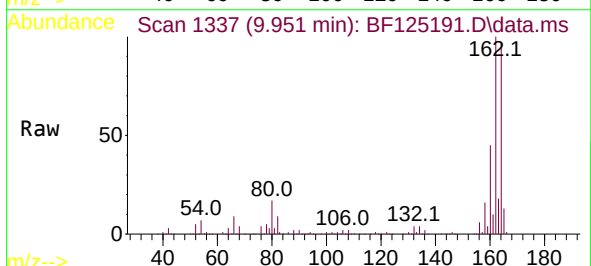
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BNA_F
ClientSampled :
124019

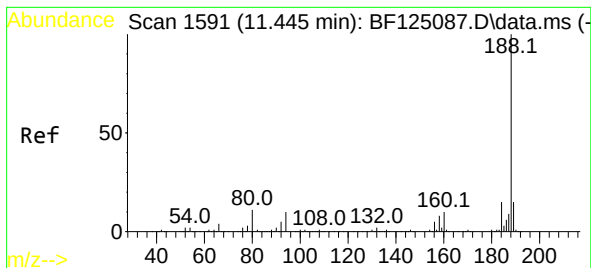
Tgt Ion:165 Resp: 32876
Ion Ratio Lower Upper
165 100
63 1.0 42.6 63.8#
89 1.4 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.038 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.182 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

Tgt Ion:165 Resp: 32876
Ion Ratio Lower Upper
165 100
63 1.0 40.9 61.3#
89 1.4 59.7 89.5#
182 0.0 0.0 0.0

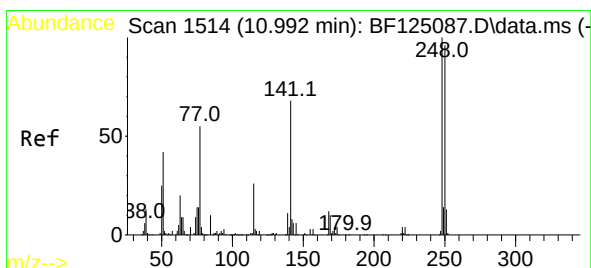
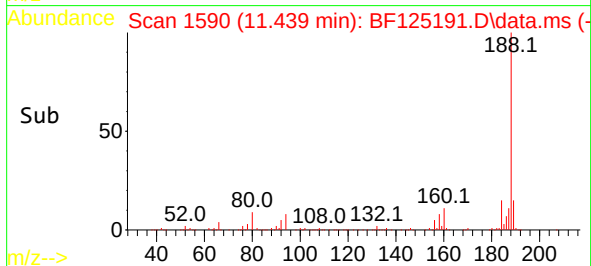
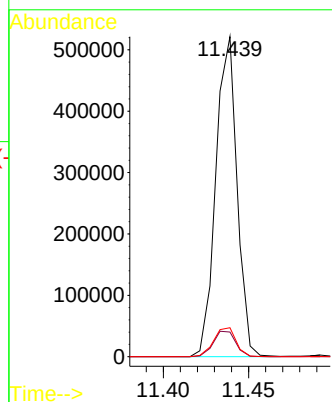
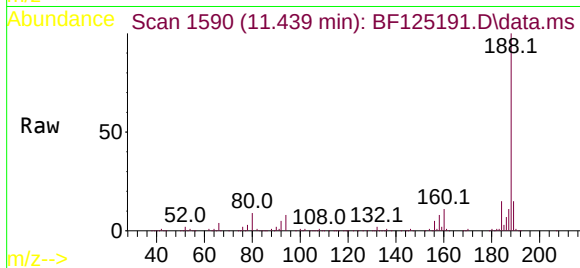




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

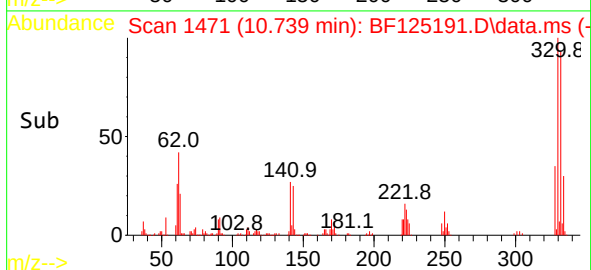
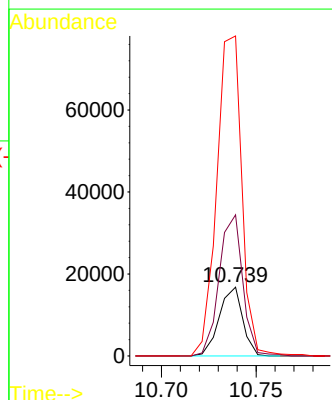
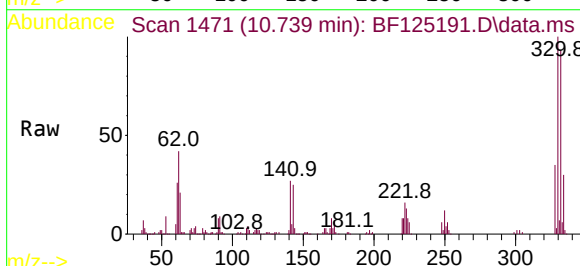
Instrument :
BNA_F
ClientSampled :
124019

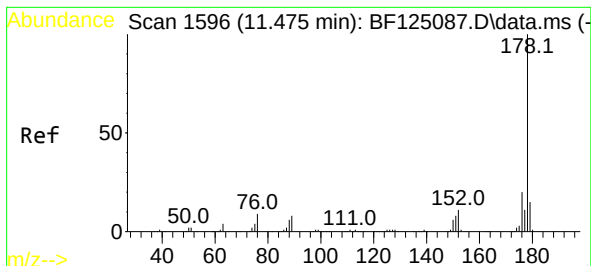
Tgt Ion:188 Resp: 452900
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 9.0 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.656 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.241 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

Tgt Ion:248 Resp: 14447
Ion Ratio Lower Upper
248 100
250 205.2 74.2 111.4#
141 465.2 60.4 90.6#

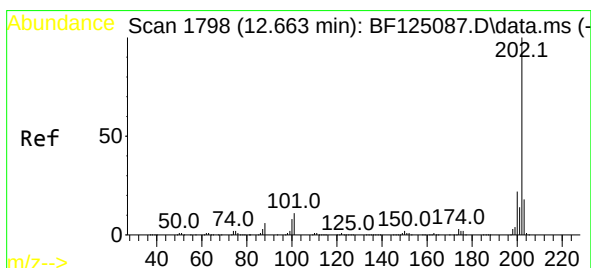
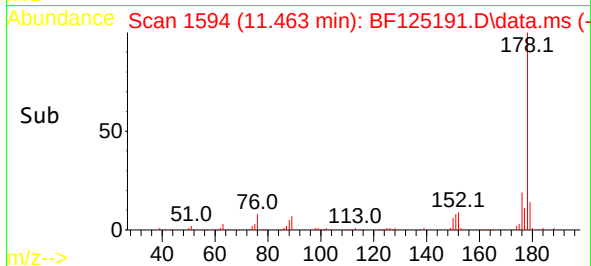
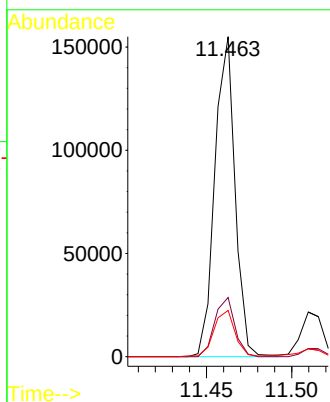
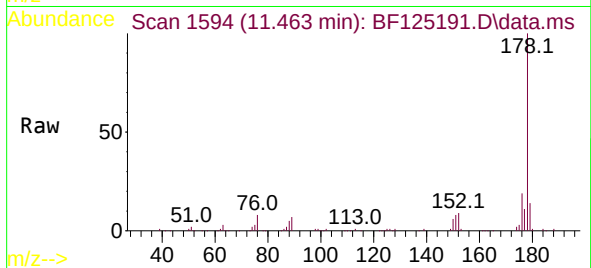




#71
Phenanthrene
Concen: 5.121 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

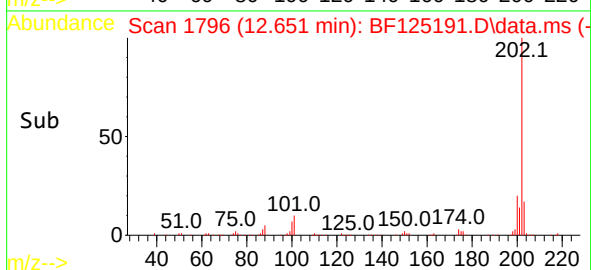
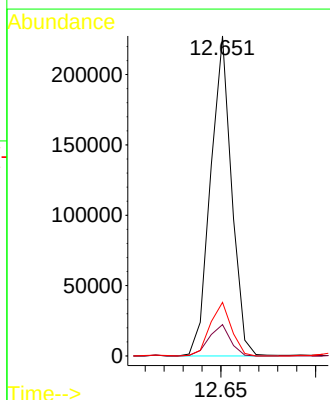
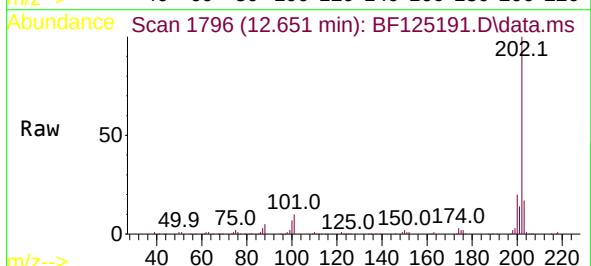
Instrument :
BNA_F
ClientSampleId :
124019

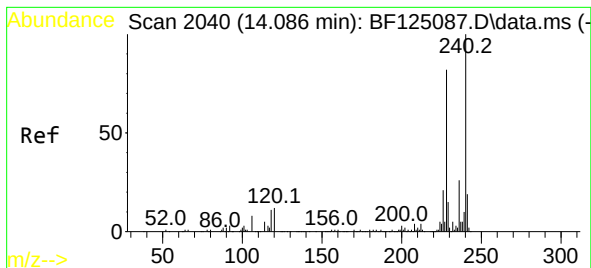
Tgt Ion:178 Resp: 127806
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 14.4 11.5 17.3



#75
Fluoranthene
Concen: 7.119 ng
RT: 12.651 min Scan# 1796
Delta R.T. -0.000 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

Tgt Ion:202 Resp: 176288
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.7
203 16.8 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.000 min

Lab File: BF125191.D

Acq: 24 Aug 2021 18:24

Instrument :

BNA_F

ClientSampleId :

124019

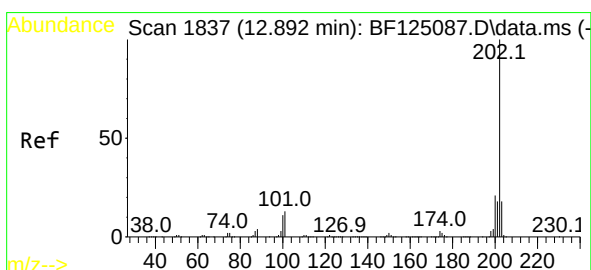
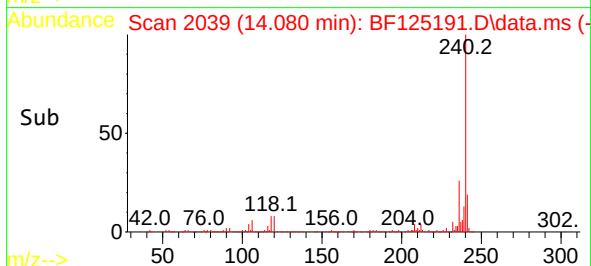
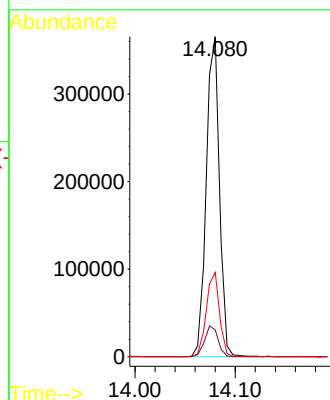
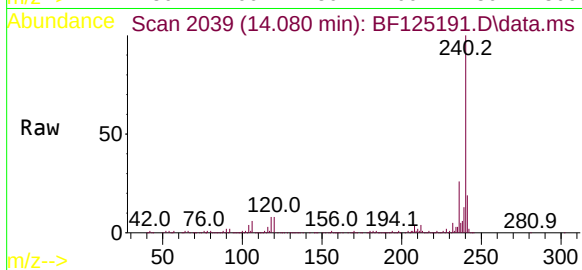
Tgt Ion:240 Resp: 335626

Ion Ratio Lower Upper

240 100

120 8.4 10.8 16.2#

236 26.3 21.6 32.4



#78

Pyrene

Concen: 5.094 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BF125191.D

Acq: 24 Aug 2021 18:24

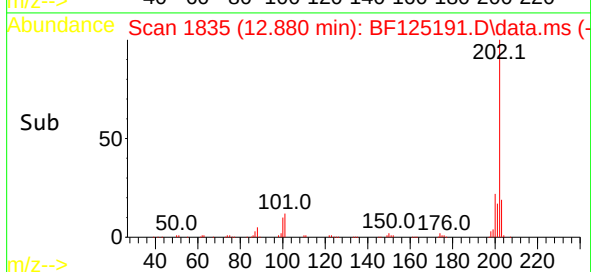
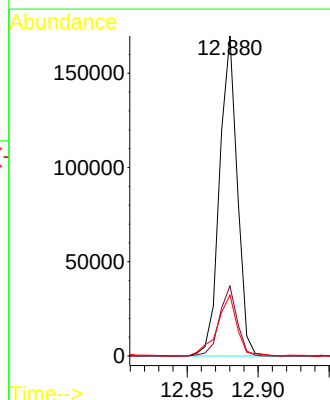
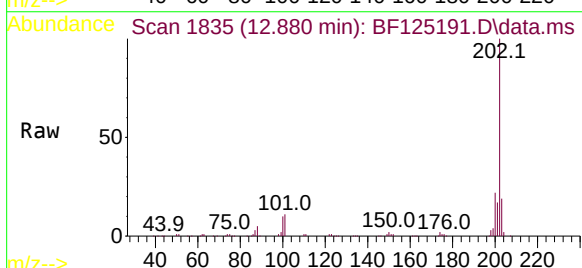
Tgt Ion:202 Resp: 146661

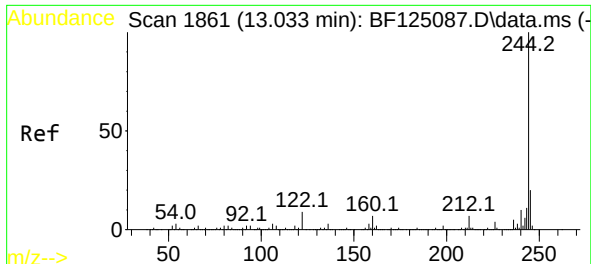
Ion Ratio Lower Upper

202 100

200 21.9 15.3 22.9

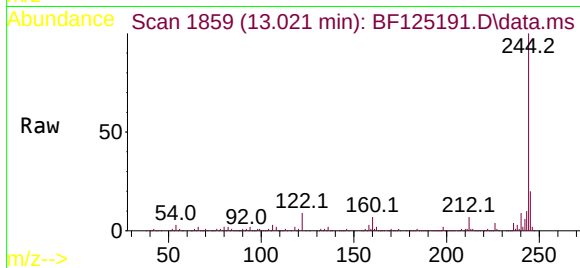
203 19.1 13.4 20.0



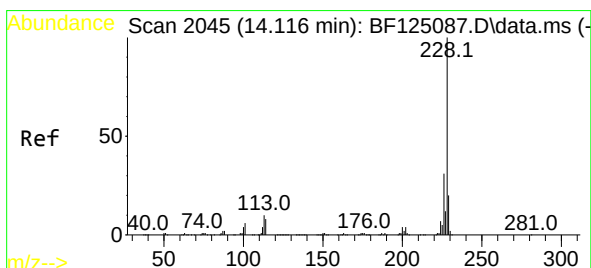
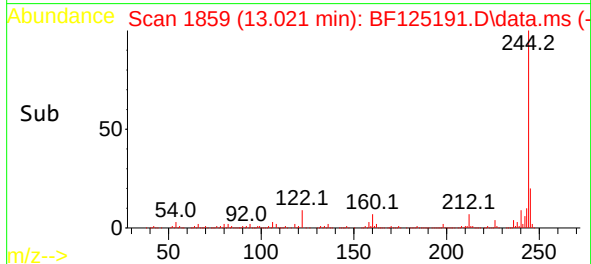
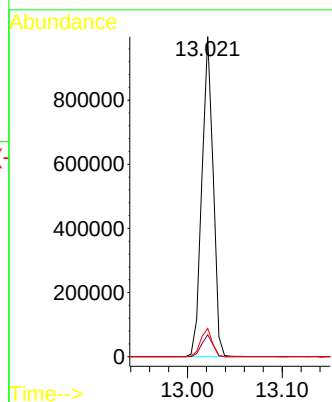


#79
Terphenyl-d14
Concen: 39.065 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

Instrument :
BNA_F
ClientSampleId :
124019

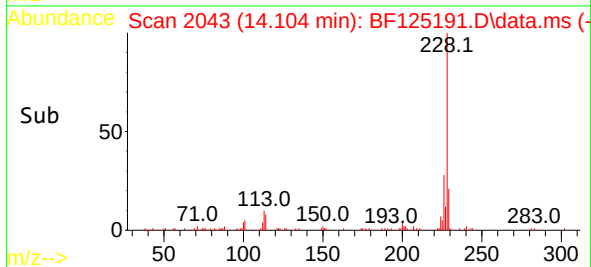
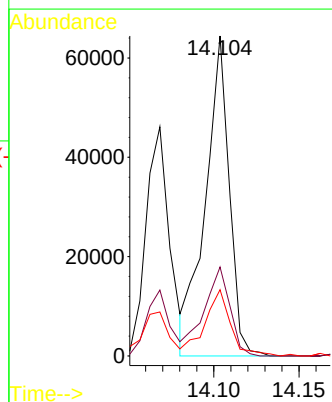
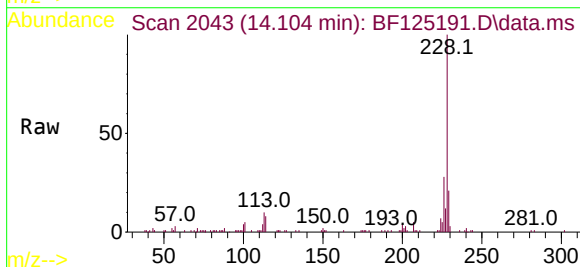


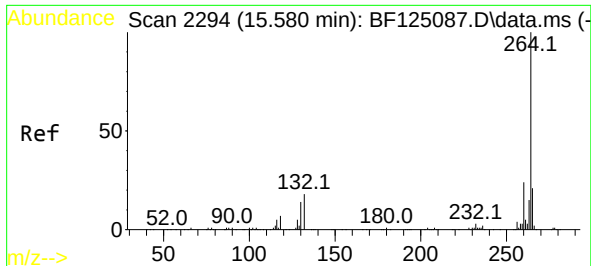
Tgt Ion:244 Resp: 823002
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 8.8 9.0 13.4#



#83
Chrysene
Concen: 2.619 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

Tgt Ion:228 Resp: 62640
Ion Ratio Lower Upper
228 100
226 27.8 22.6 34.0
229 20.7 15.9 23.9

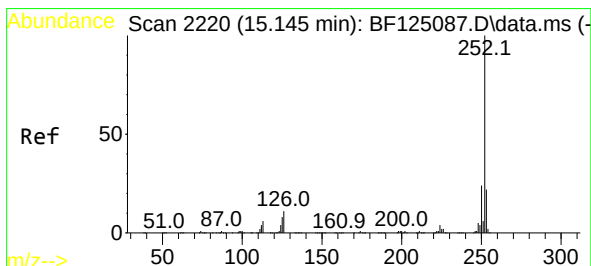
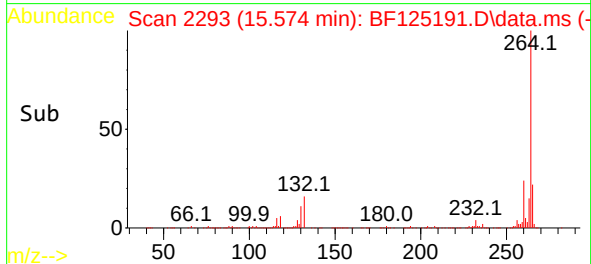
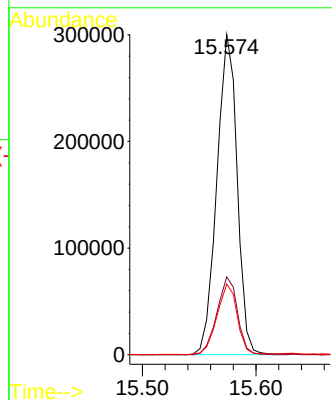
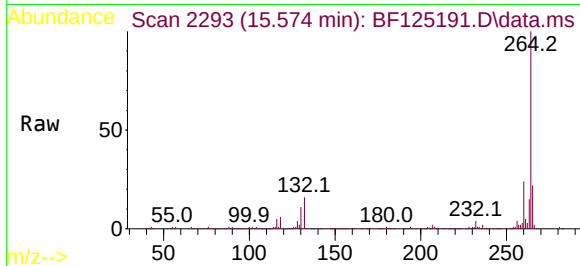




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2293
Delta R.T. -0.000 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

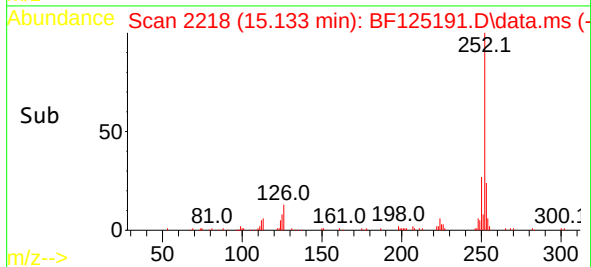
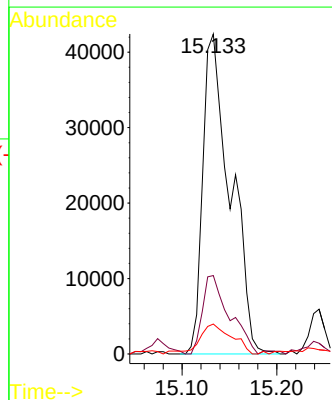
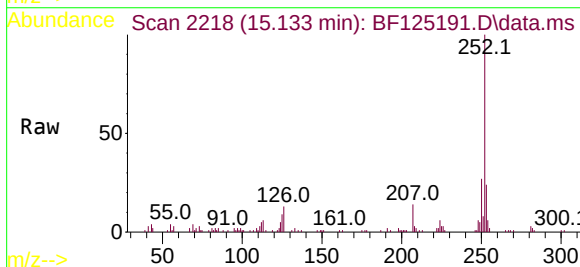
Instrument :
BNA_F
ClientSampleId :
124019

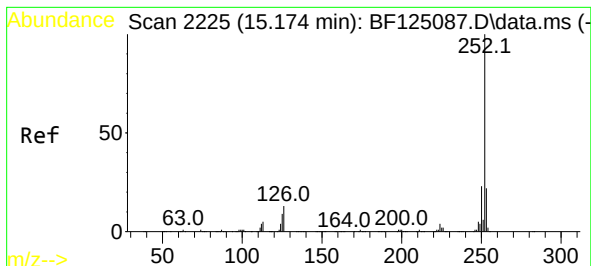
Tgt Ion:264 Resp: 372481
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 22.1 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 3.167 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BF125191.D
Acq: 24 Aug 2021 18:24

Tgt Ion:252 Resp: 86194
Ion Ratio Lower Upper
252 100
253 24.5 16.8 25.2
125 9.3 9.8 14.8#





#89

Benzo(k)fluoranthene

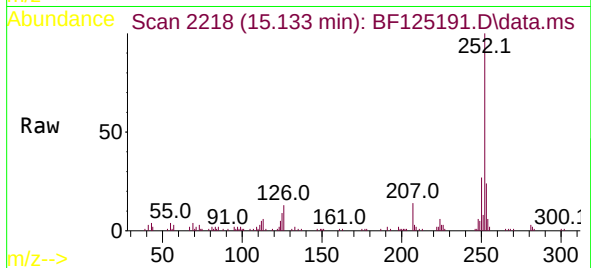
Concen: 3.394 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.035 min

Lab File: BF125191.D

Acq: 24 Aug 2021 18:24



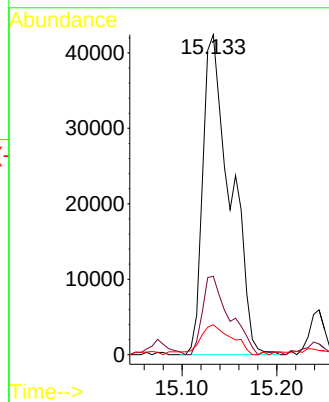
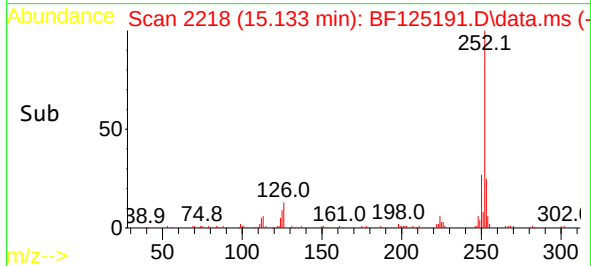
Tgt Ion: 252 Resp: 86194

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

125 9.3 7.2 10.8



Instrument :

BNA_F

ClientSampleId :

124019