

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090221\
 Data File : BF125333.D
 Acq On : 2 Sep 2021 21:48
 Operator : JU/CG
 Sample : M3636-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-01-090121

Quant Time: Sep 03 05:00:01 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)

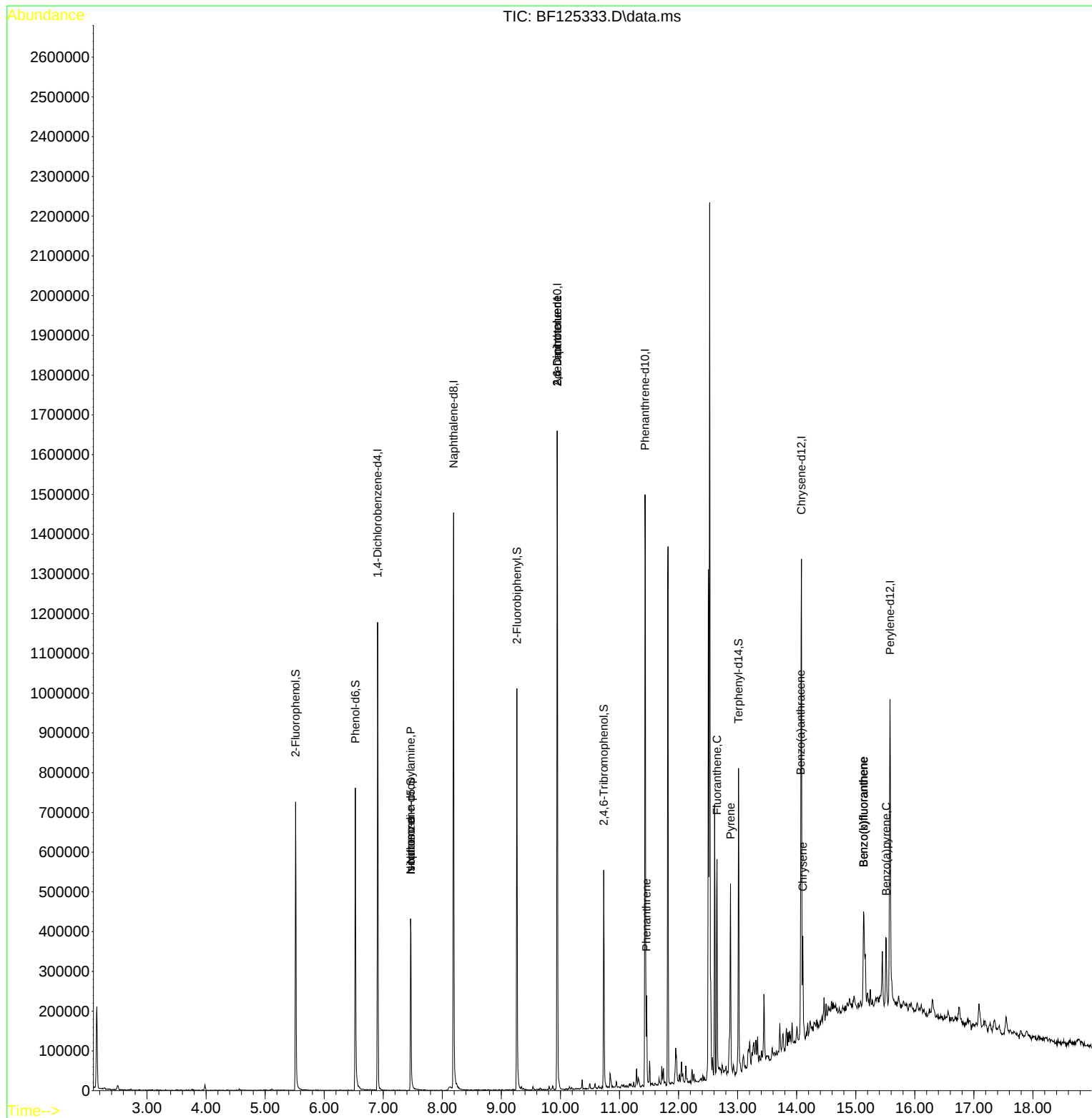
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	160942	20.000	ng	-0.01
21) Naphthalene-d8	8.192	136	646457	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	340921	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	565541	20.000	ng	# 0.00
76) Chrysene-d12	14.080	240	377828	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	351689	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	184246	17.328	ng	-0.01
7) Phenol-d6	6.528	99	246912	17.955	ng	-0.01
23) Nitrobenzene-d5	7.463	82	149773	11.664	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	65016	19.105	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	307638	12.577	ng	-0.01
79) Terphenyl-d14	13.016	244	243287	10.258	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	19035	2.301	ng	# 58
25) Isophorone	7.463	82	149770	6.046	ng	# 59
51) 2,6-Dinitrotoluene	9.945	165	43435	8.479	ng	# 28
57) 2,4-Dinitrotoluene	9.945	165	43435	7.005	ng	# 19
71) Phenanthrene	11.457	178	72869	2.338	ng	96
75) Fluoranthene	12.651	202	212074	6.859	ng	99
78) Pyrene	12.880	202	179361	5.534	ng	98
81) Benzo(a)anthracene	14.069	228	122879	4.514	ng	96
83) Chrysene	14.104	228	94668	3.516	ng	97
88) Benzo(b)fluoranthene	15.133	252	189728	7.384	ng	98
89) Benzo(k)fluoranthene	15.133	252	189728	7.913	ng	# 98
90) Benzo(a)pyrene	15.515	252	91174	4.017	ng	98

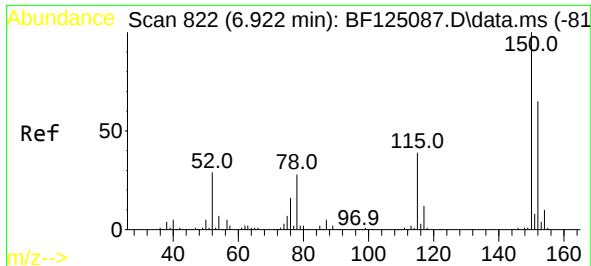
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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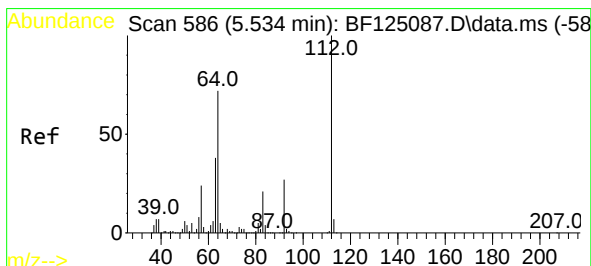
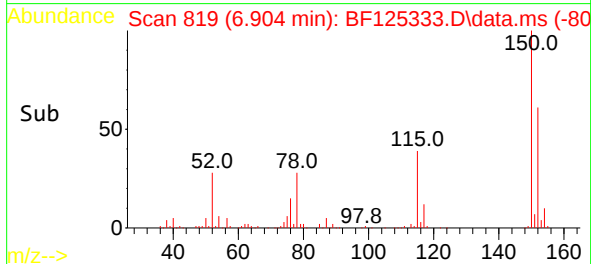
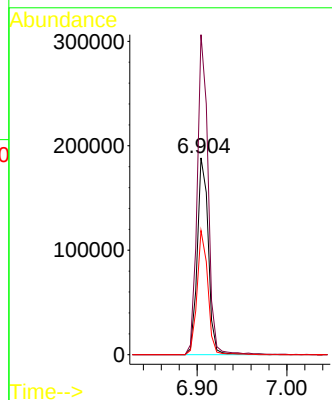
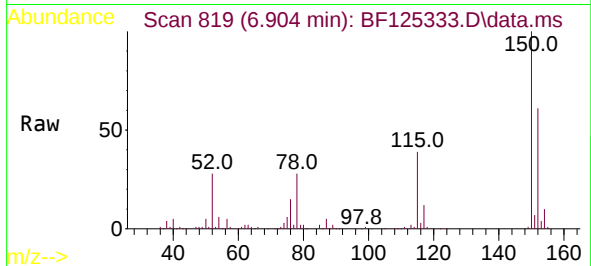




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.012 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

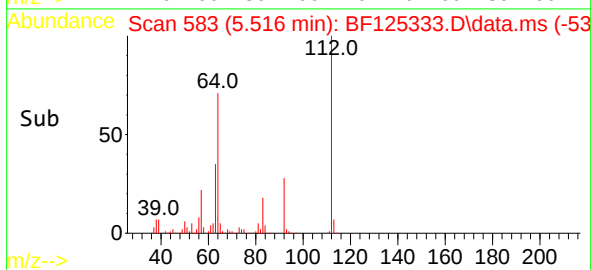
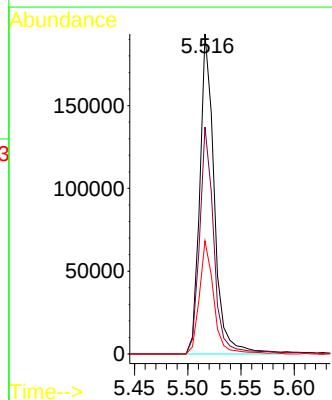
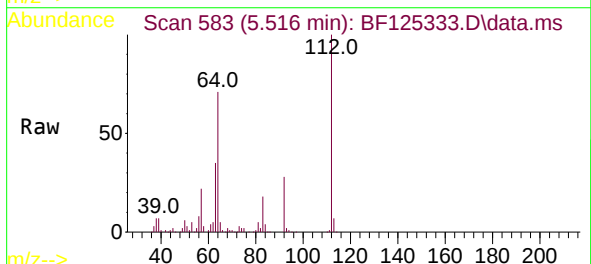
Instrument :
BNA_F
ClientSampleId :
SA-01-090121

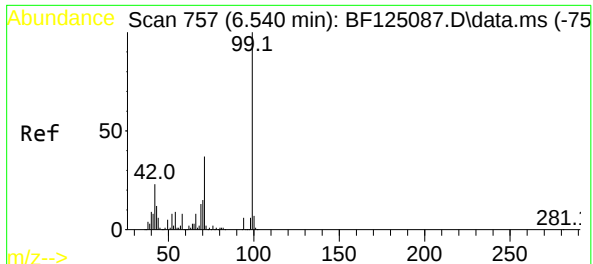
Tgt Ion:152 Resp: 160942
Ion Ratio Lower Upper
152 100
150 162.6 117.6 176.4
115 63.1 47.1 70.7



#5
2-Fluorophenol
Concen: 17.328 ng
RT: 5.516 min Scan# 583
Delta R.T. -0.012 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Tgt Ion:112 Resp: 184246
Ion Ratio Lower Upper
112 100
64 70.9 44.2 66.2#
63 35.3 26.2 39.2

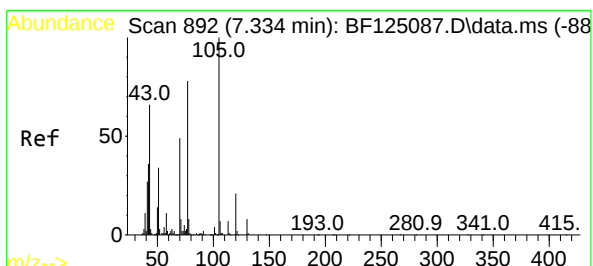
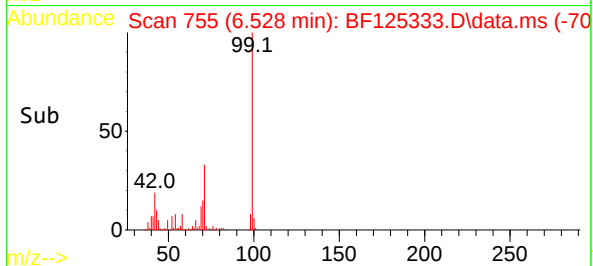
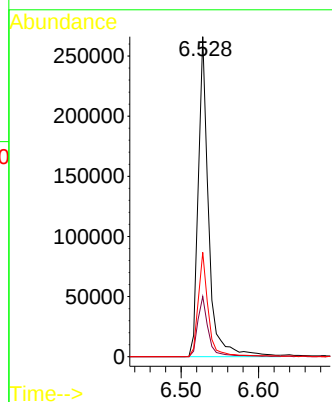
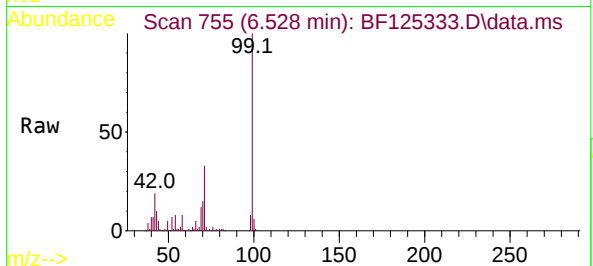




#7
Phenol-d6
Concen: 17.955 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

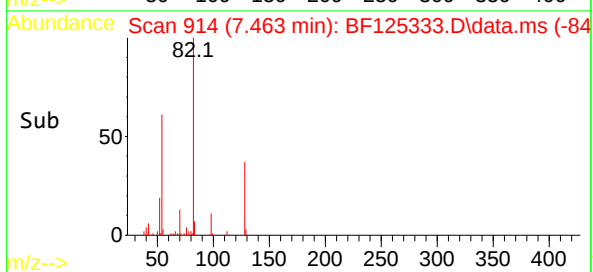
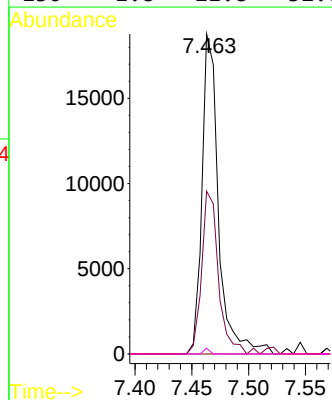
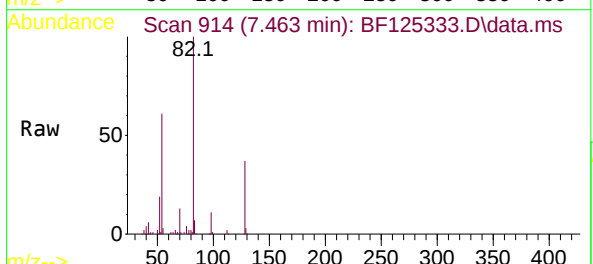
Instrument :
BNA_F
ClientSampleId :
SA-01-090121

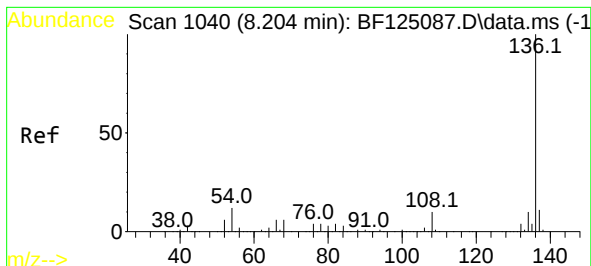
Tgt Ion: 99 Resp: 246912
Ion Ratio Lower Upper
99 100
42 18.8 23.5 35.3#
71 32.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.301 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.135 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Tgt Ion: 70 Resp: 19035
Ion Ratio Lower Upper
70 100
42 50.8 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#



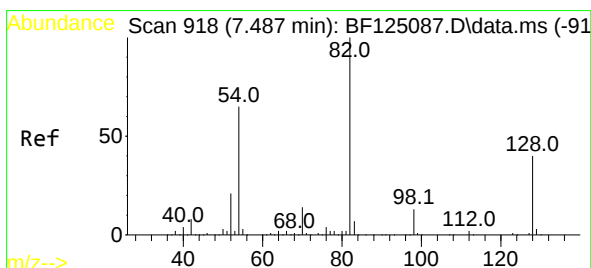
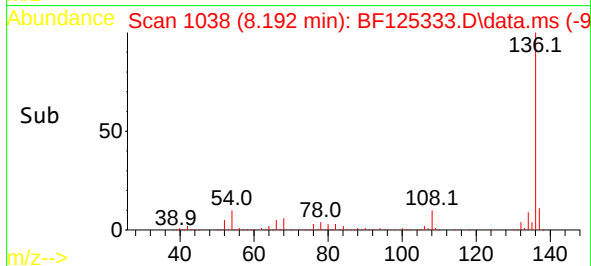
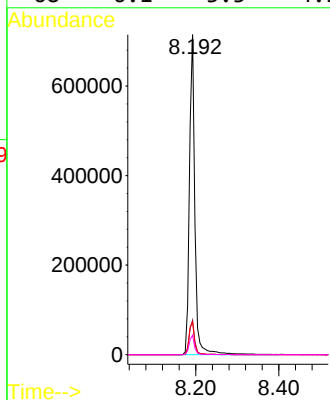
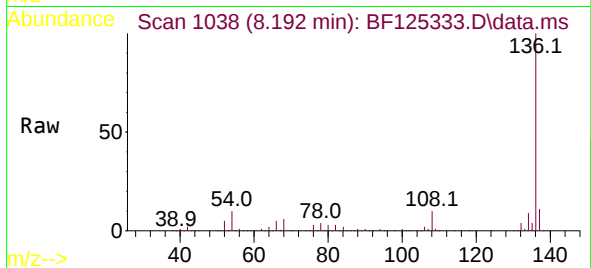


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Instrument :
BNA_F
ClientSampleId :
SA-01-090121

Tgt Ion:136 Resp: 646457

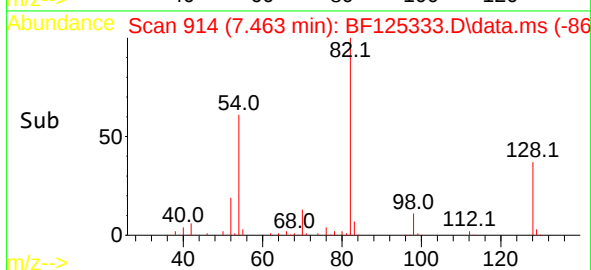
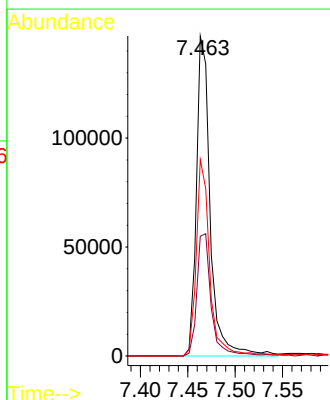
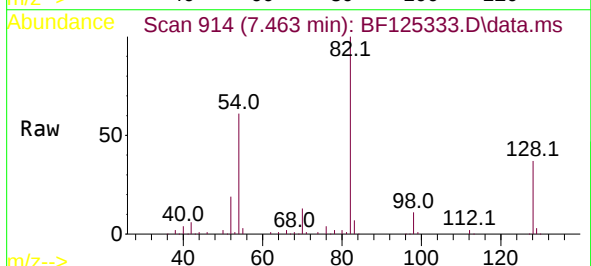
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.8	14.6
54	10.1	6.4	9.6#
68	6.1	3.3	4.9#

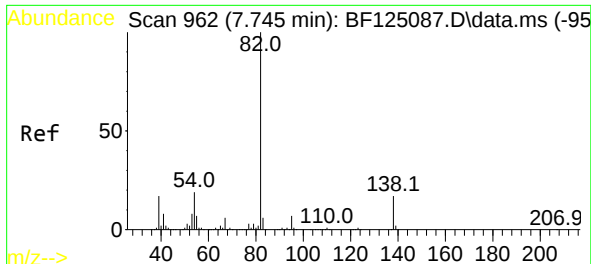


#23
Nitrobenzene-d5
Concen: 11.664 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.018 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Tgt Ion: 82 Resp: 149773

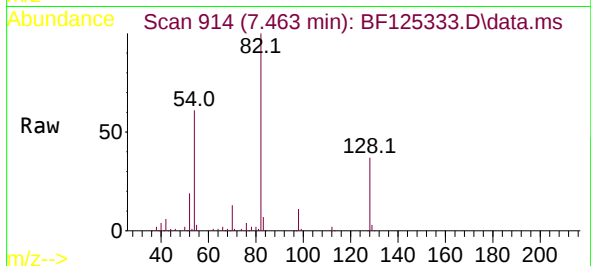
Ion	Ratio	Lower	Upper
82	100		
128	37.4	40.6	60.8#
54	61.4	49.6	74.4



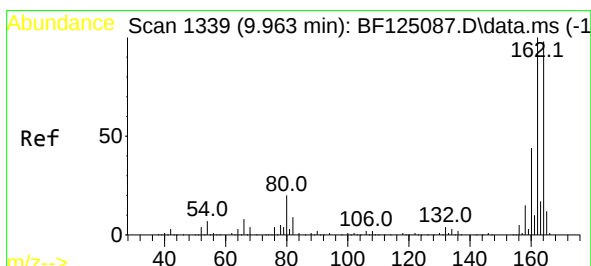
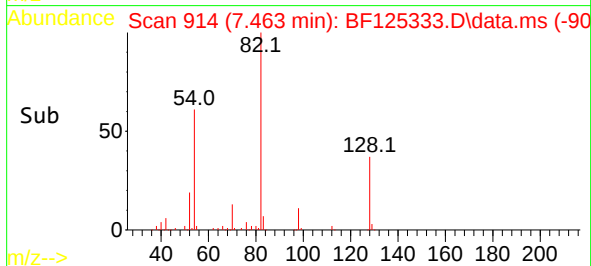
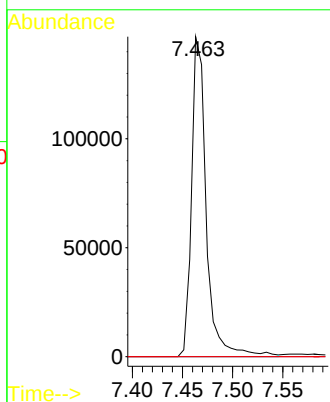


#25
Isophorone
Concen: 6.046 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.270 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Instrument :
BNA_F
ClientSampleId :
SA-01-090121

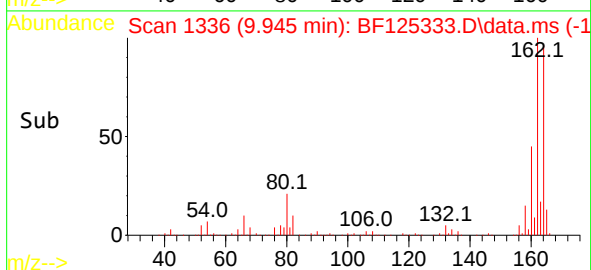
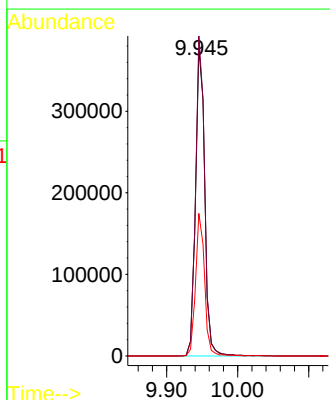
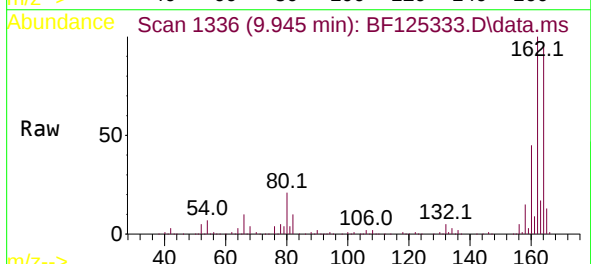


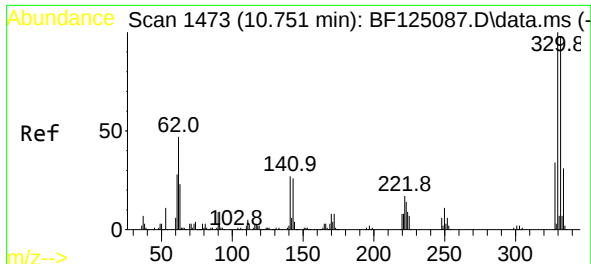
Tgt Ion: 82 Resp: 149770
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Tgt Ion: 164 Resp: 340921
Ion Ratio Lower Upper
164 100
162 103.8 81.3 121.9
160 46.3 38.0 57.0

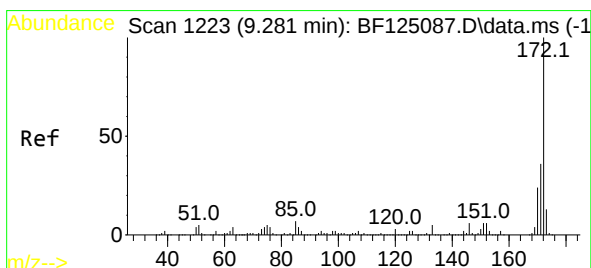
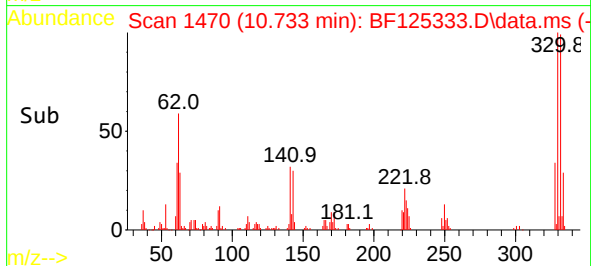
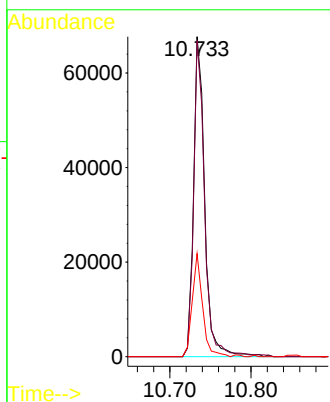
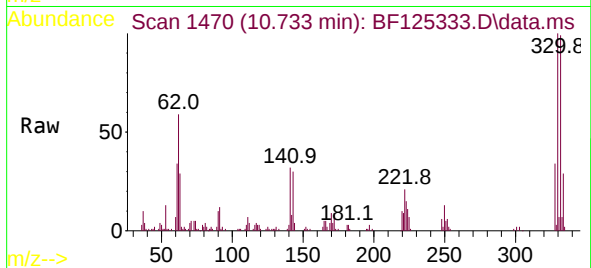




#42
2,4,6-Tribromophenol
Concen: 19.105 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.006 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

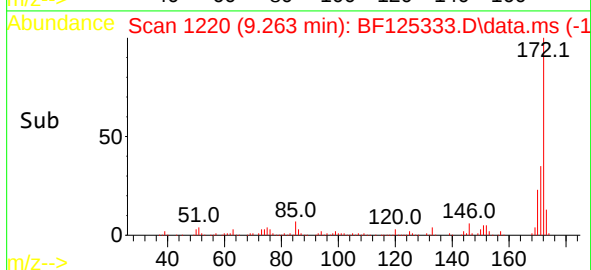
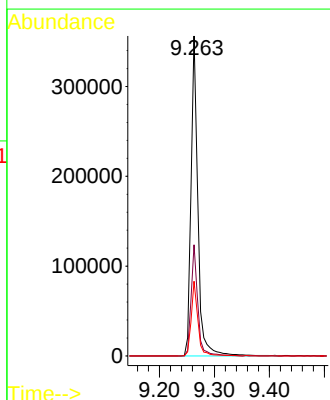
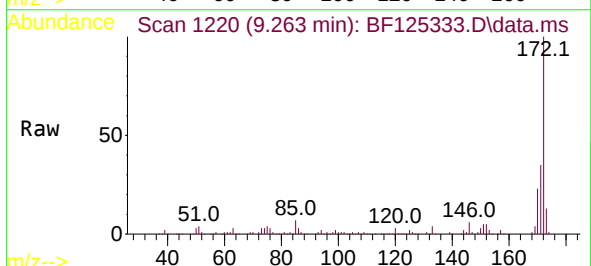
Instrument :
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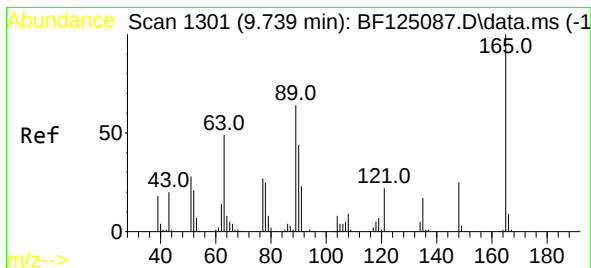
Tgt Ion:330 Resp: 65016
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.4
141 29.7 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 12.577 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Tgt Ion:172 Resp: 307638
Ion Ratio Lower Upper
172 100
171 34.8 26.5 39.7
170 23.3 18.8 28.2

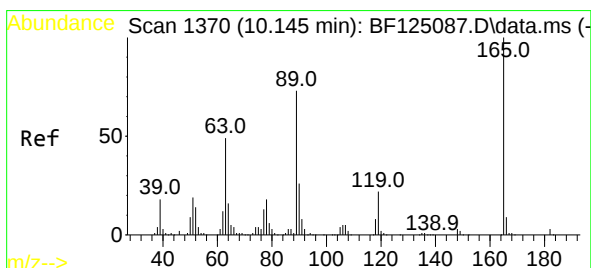
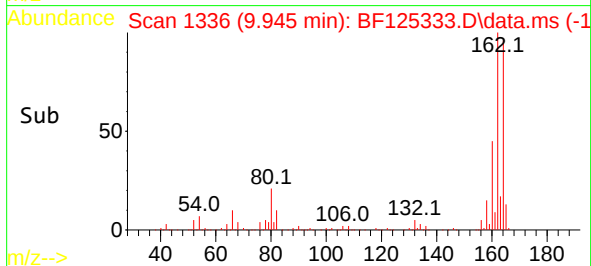
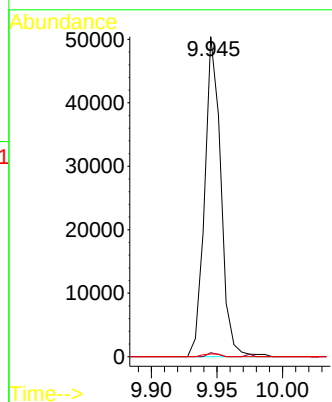
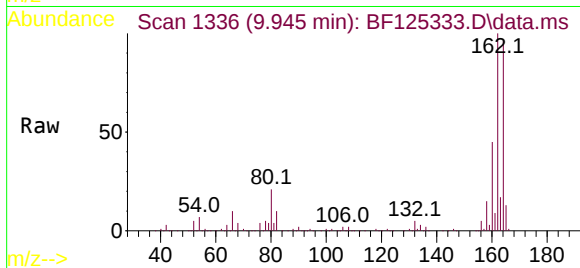




#51
2,6-Dinitrotoluene
Concen: 8.479 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.212 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

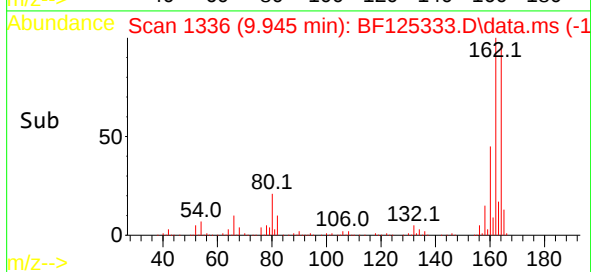
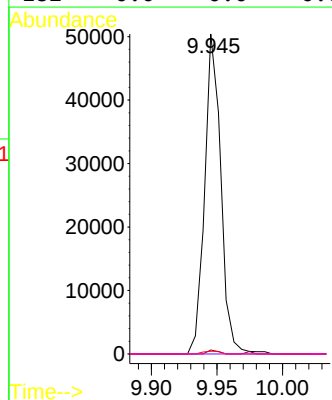
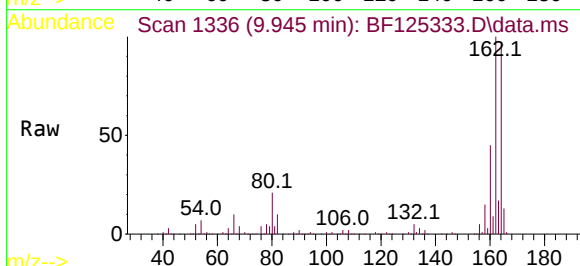
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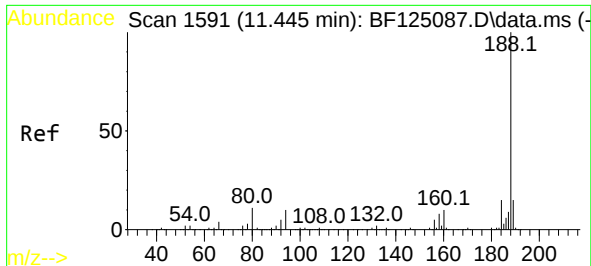
Tgt Ion:165 Resp: 43435
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 0.8 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.005 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.188 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Tgt Ion:165 Resp: 43435
Ion Ratio Lower Upper
165 100
63 1.3 40.9 61.3#
89 0.8 59.7 89.5#
182 0.0 0.0 0.0

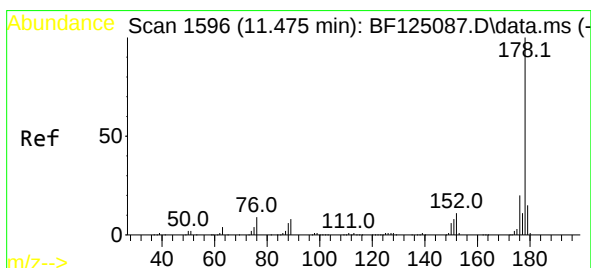
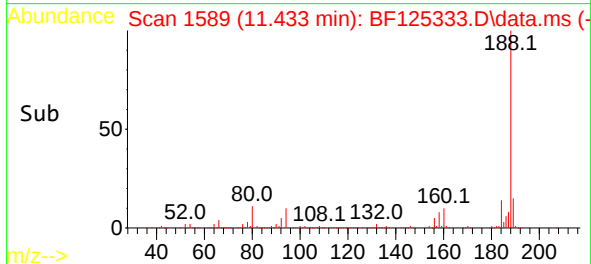
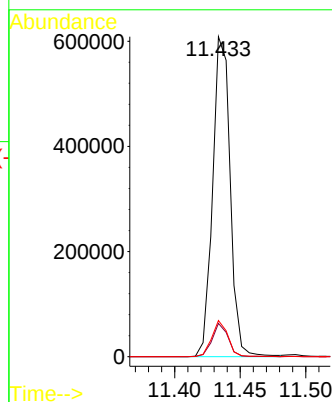
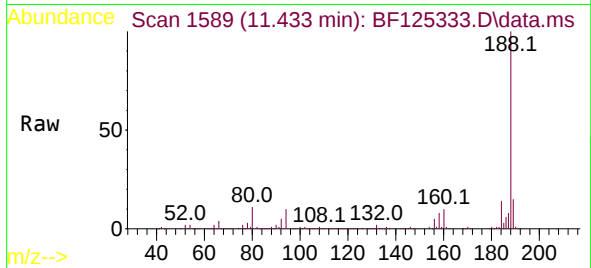




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

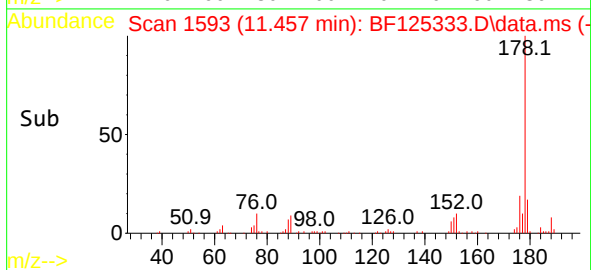
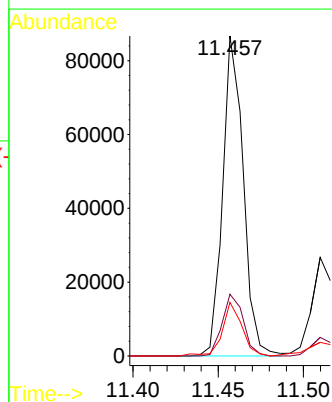
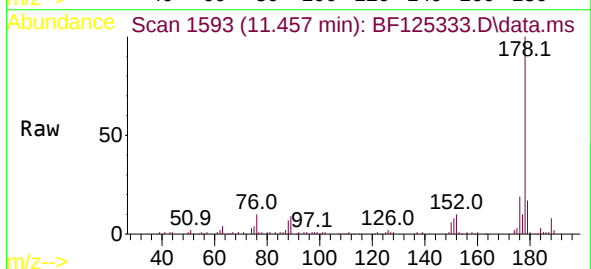
Instrument :
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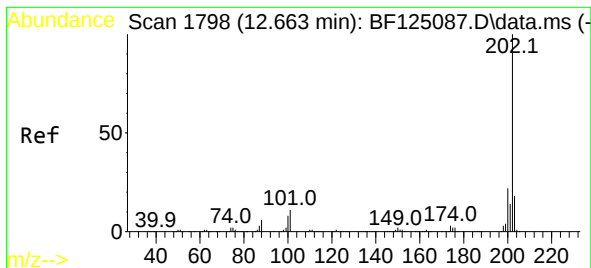
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Ion Ratio Lower Upper
188 100
94 10.4 6.7 10.1#
80 11.3 7.5 11.3#



#71
Phenanthrene
Concen: 2.338 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Tgt Ion:178 Resp: 72869
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 16.7 11.5 17.3

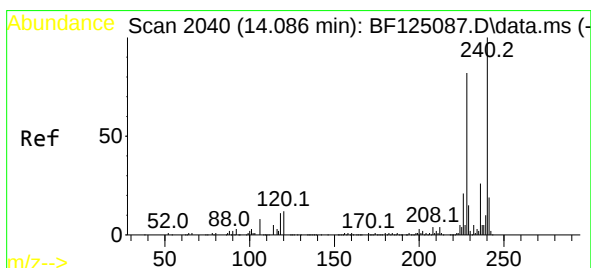
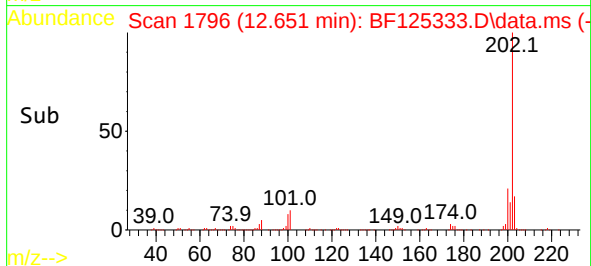
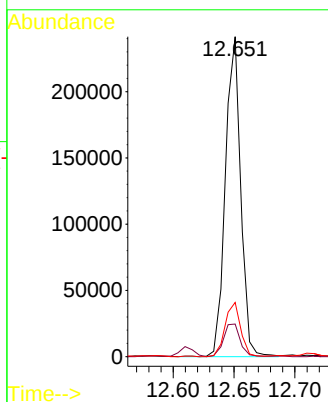
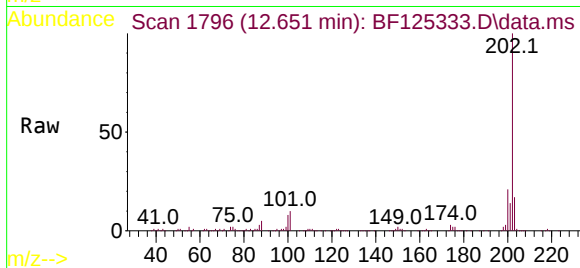




#75
Fluoranthene
Concen: 6.859 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

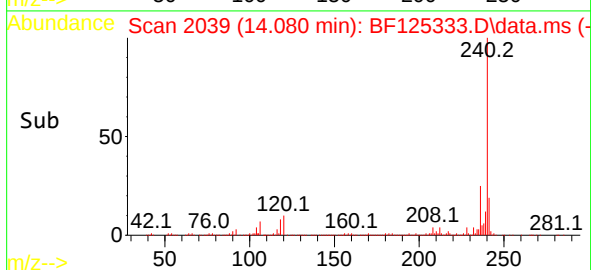
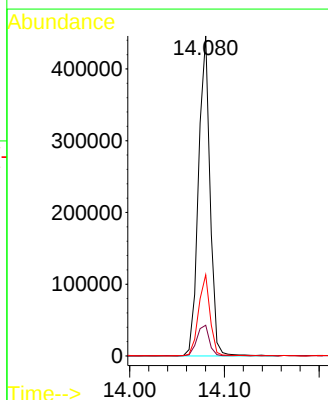
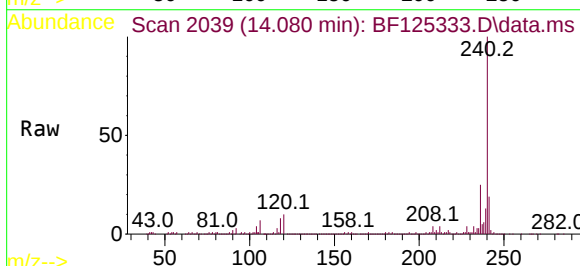
Instrument :
BNA_F
ClientSampleId :
SA-01-090121

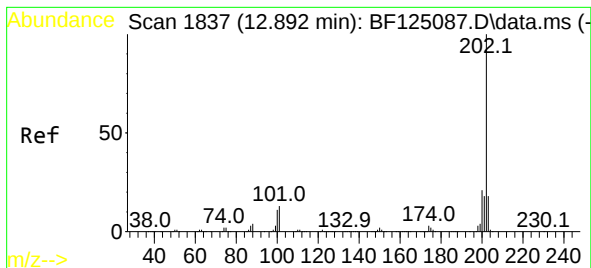
Tgt Ion:202 Resp: 212074
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.7
203 16.9 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Tgt Ion:240 Resp: 377828
Ion Ratio Lower Upper
240 100
120 9.6 10.8 16.2#
236 25.4 21.6 32.4

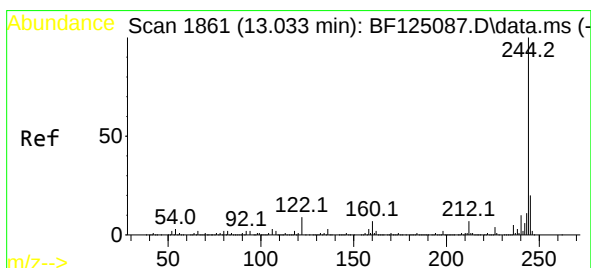
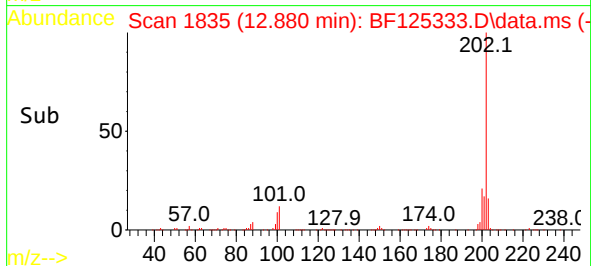
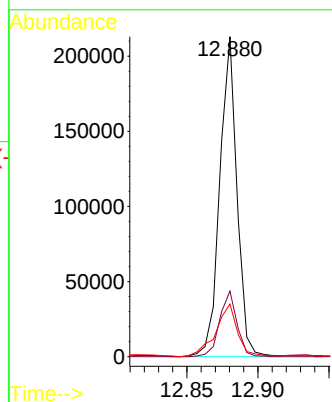
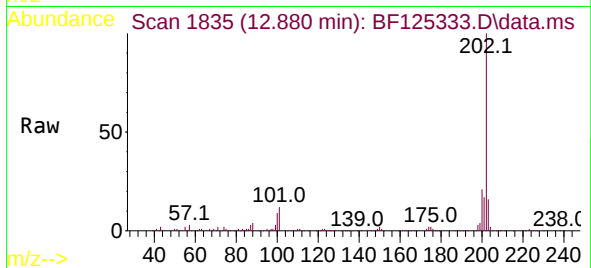




#78
Pyrene
Concen: 5.534 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

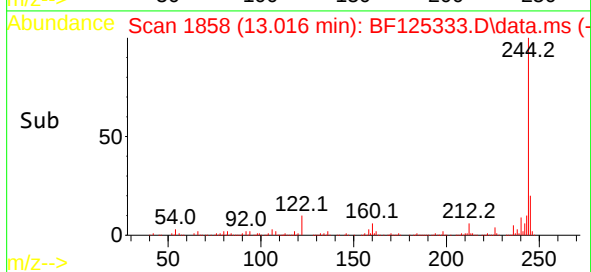
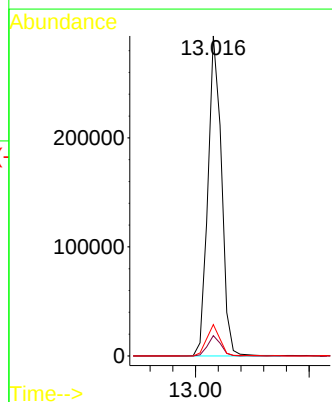
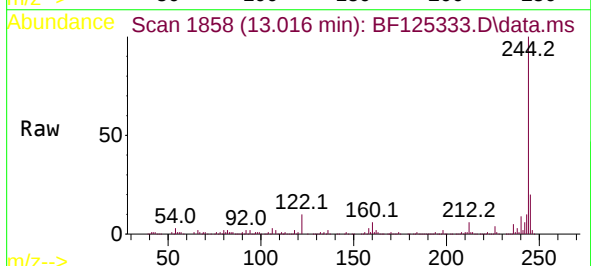
Instrument :
BNA_F
ClientSampleId :
SA-01-090121

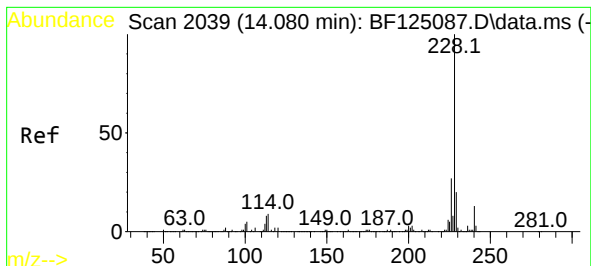
Tgt Ion:202 Resp: 179361
Ion Ratio Lower Upper
202 100
200 20.5 15.3 22.9
203 16.4 13.4 20.0



#79
Terphenyl-d14
Concen: 10.258 ng
RT: 13.016 min Scan# 1858
Delta R.T. -0.006 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Tgt Ion:244 Resp: 243287
Ion Ratio Lower Upper
244 100
212 6.3 5.9 8.9
122 9.8 9.0 13.4

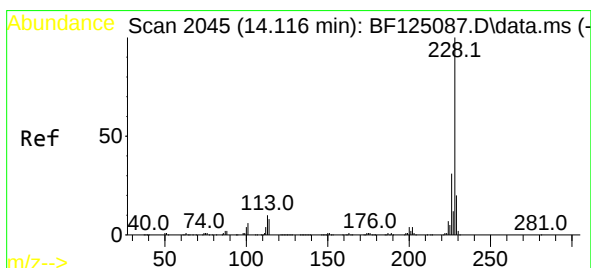
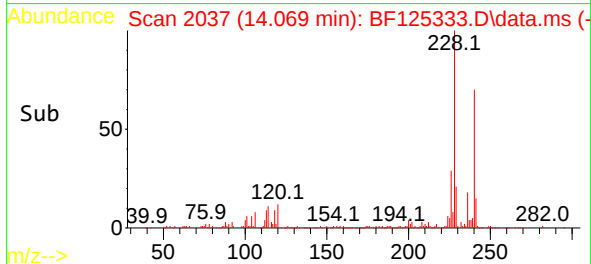
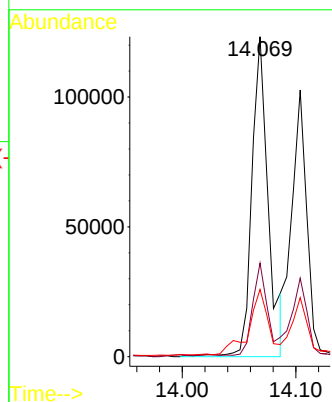
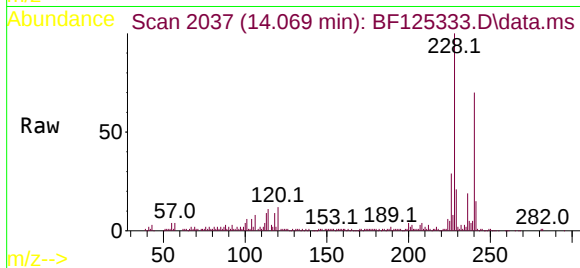




#81
Benzo(a)anthracene
Concen: 4.514 ng
RT: 14.069 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

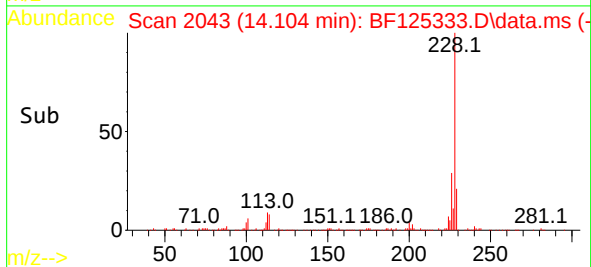
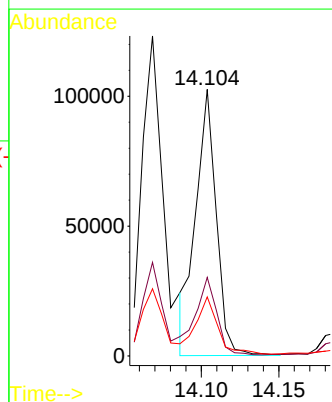
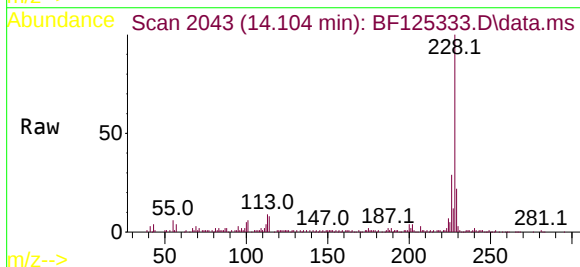
Instrument :
BNA_F
ClientSampleId :
SA-01-090121

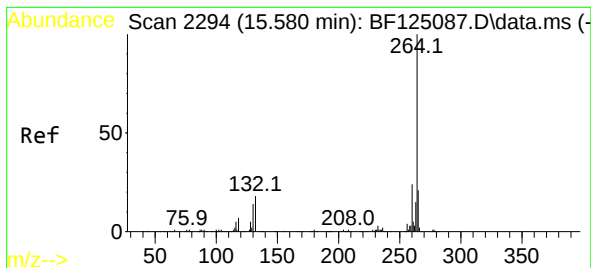
Tgt Ion:228 Resp: 122879
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 21.0 15.6 23.4



#83
Chrysene
Concen: 3.516 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Tgt Ion:228 Resp: 94668
Ion Ratio Lower Upper
228 100
226 29.5 22.6 34.0
229 22.2 15.9 23.9

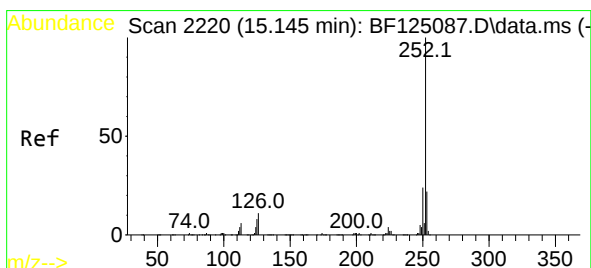
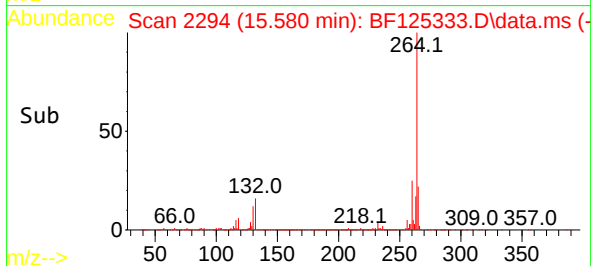
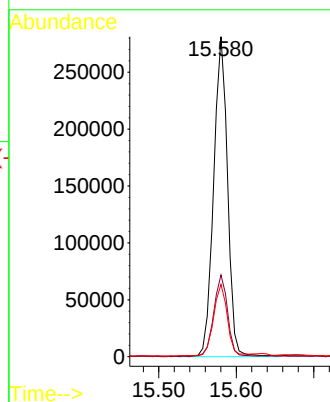
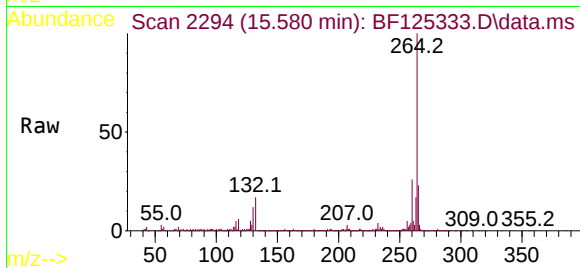




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.006 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

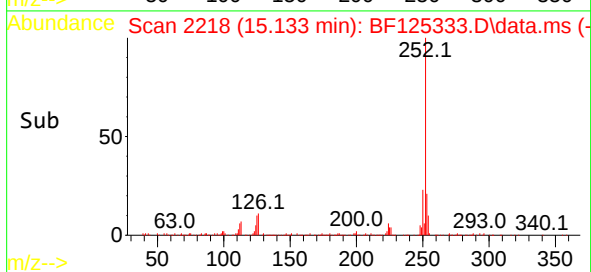
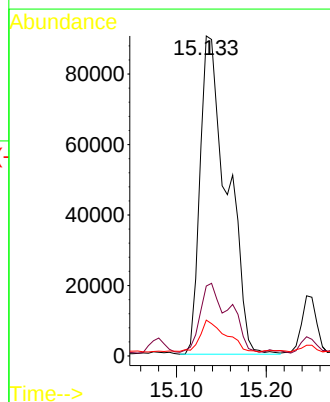
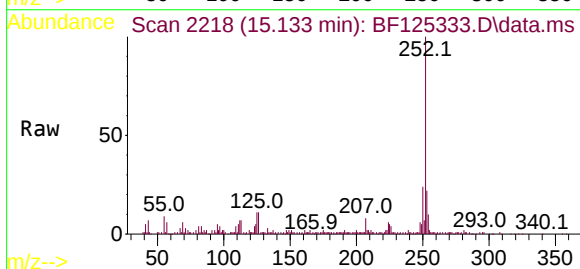
Instrument :
BNA_F
ClientSampleId :
SA-01-090121

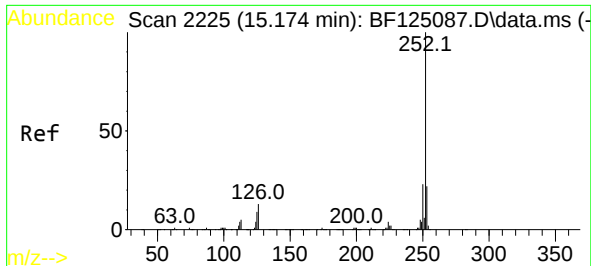
Tgt Ion:264 Resp: 351689
Ion Ratio Lower Upper
264 100
260 25.6 19.6 29.4
265 22.6 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 7.384 ng
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF125333.D
Acq: 2 Sep 2021 21:48

Tgt Ion:252 Resp: 189728
Ion Ratio Lower Upper
252 100
253 21.8 16.8 25.2
125 11.2 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 7.913 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.035 min

Lab File: BF125333.D

Acq: 2 Sep 2021 21:48

Instrument :

BNA_F

ClientSampleId :

SA-01-090121

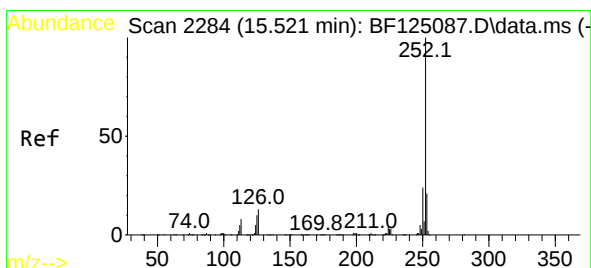
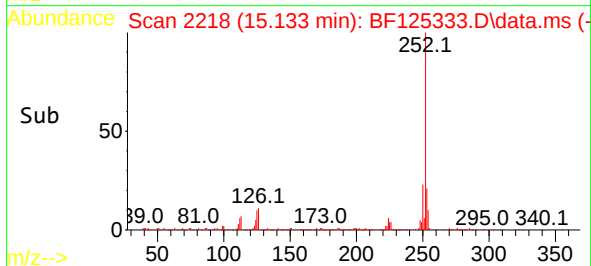
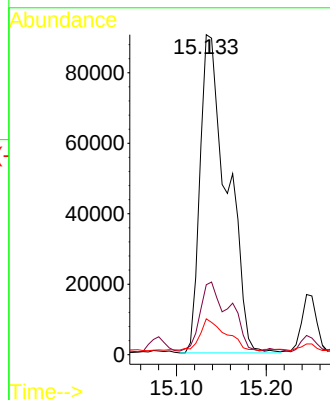
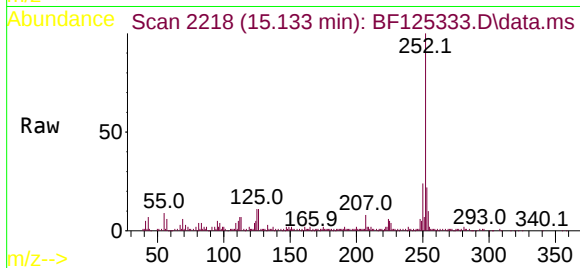
Tgt Ion:252 Resp: 189728

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 11.2 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 4.017 ng

RT: 15.515 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF125333.D

Acq: 2 Sep 2021 21:48

Tgt Ion:252 Resp: 91174

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

125 10.4 9.9 14.9

