

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091421\
 Data File : BF125493.D
 Acq On : 15 Sep 2021 1:27
 Operator : JU/CG
 Sample : M3725-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-091321

Quant Time: Sep 15 01:55:35 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 14 17:17:24 2021
 Response via : Initial Calibration

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

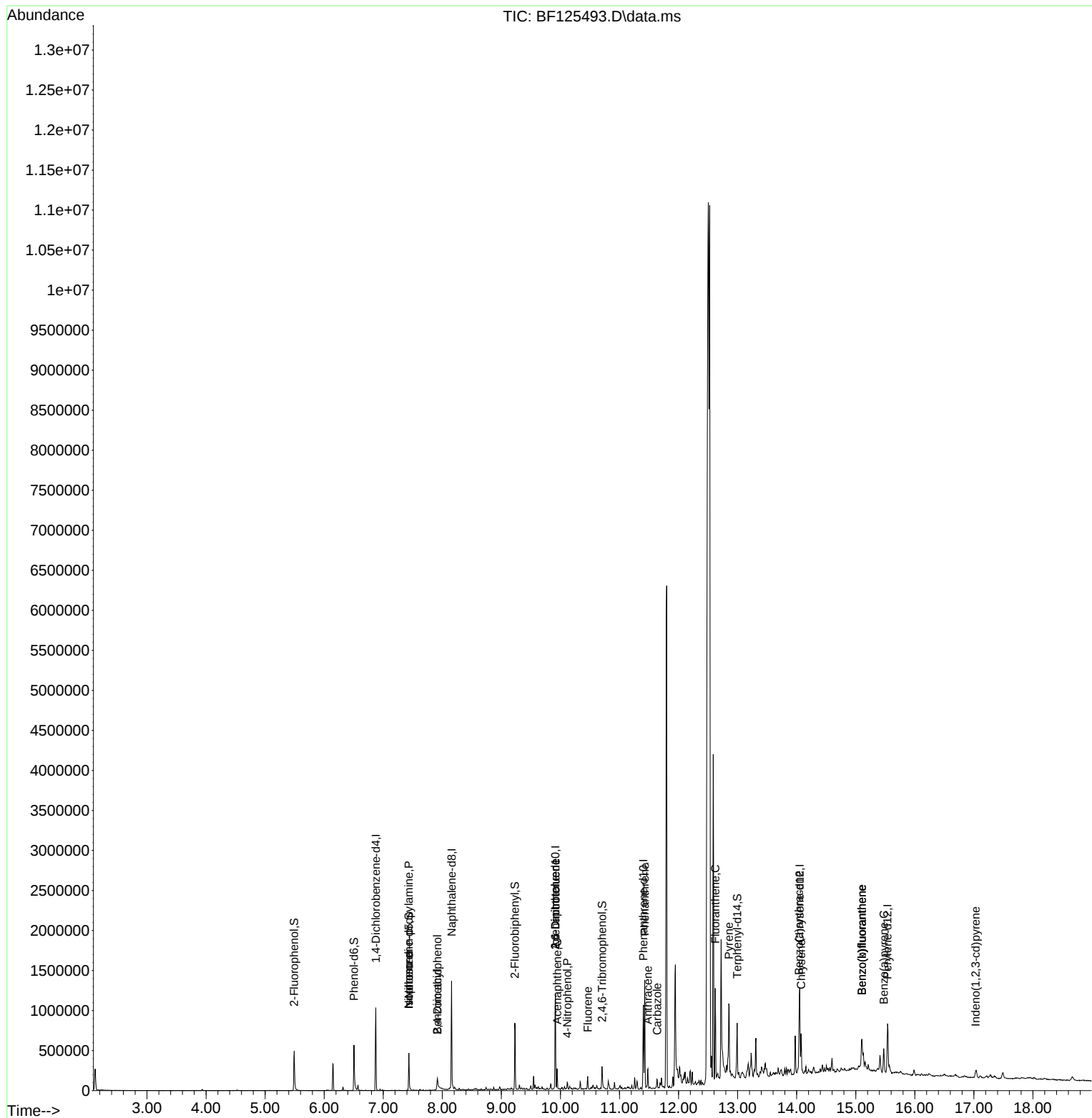
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	142178	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	531346	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	238499	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	348016	20.000	ng	0.00
76) Chrysene-d12	14.051	240	300487	20.000	ng	#-0.01
86) Perylene-d12	15.539	264	279897	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	150217	15.992	ng	-0.01
7) Phenol-d6	6.504	99	203315	16.736	ng	-0.02
23) Nitrobenzene-d5	7.434	82	133873	12.684	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	33528	14.083	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	253494	14.814	ng	-0.01
79) Terphenyl-d14	12.992	244	206948	10.972	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	18235	2.495	ng	# 59
25) Isophorone	7.434	82	133872	6.575	ng	# 59
27) 2,4-Dimethylphenol	7.916	122	61381	7.635	ng	# 7
32) Benzoic acid	7.916	122	61381	11.249	ng	# 82
51) 2,6-Dinitrotoluene	9.916	165	30706	8.568	ng	# 28
52) Acenaphthene	9.945	154	42198	2.990	ng	98
56) 4-Nitrophenol	10.116	139	10988	3.590	ng	# 14
57) 2,4-Dinitrotoluene	9.916	165	30706	7.079	ng	# 20
58) Fluorene	10.463	166	36838	2.453	ng	99
71) Phenanthrene	11.427	178	444588	23.185	ng	98
72) Anthracene	11.480	178	98622	5.218	ng	99
73) Carbazole	11.639	167	42668	2.470	ng	97
75) Fluoranthene	12.622	202	444219	23.347	ng	98
78) Pyrene	12.851	202	391738	15.198	ng	97
81) Benzo(a)anthracene	14.039	228	214386	9.902	ng	99
83) Chrysene	14.074	228	181525	8.478	ng	99
87) Indeno(1,2,3-cd)pyrene	17.033	276	63043	3.126	ng	# 89
88) Benzo(b)fluoranthene	15.104	252	278729	13.631	ng	96
89) Benzo(k)fluoranthene	15.104	252	278729	14.607	ng	99
90) Benzo(a)pyrene	15.474	252	143674	7.954	ng	98

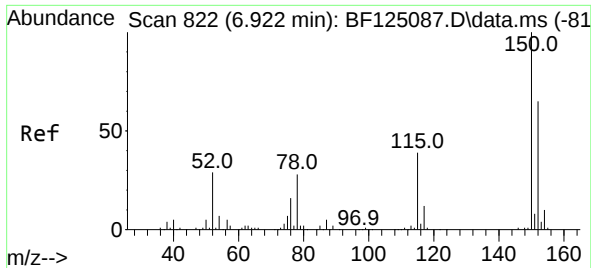
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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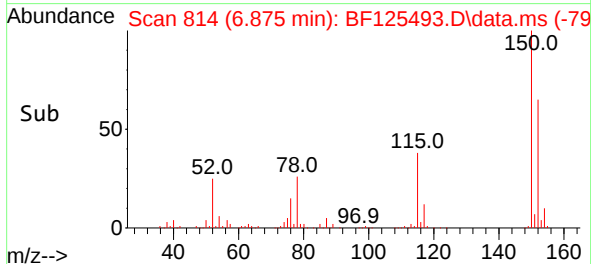
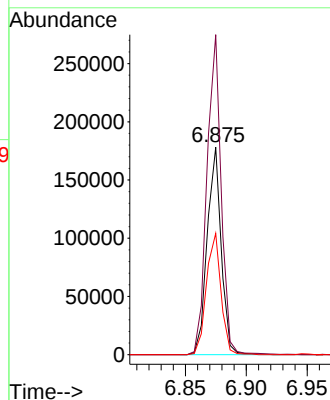
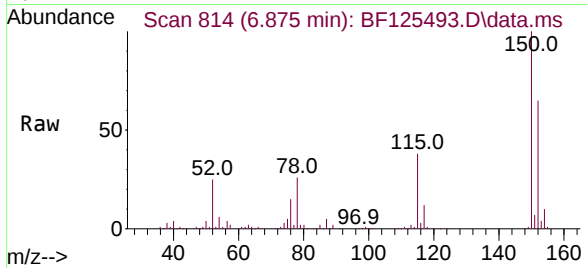




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

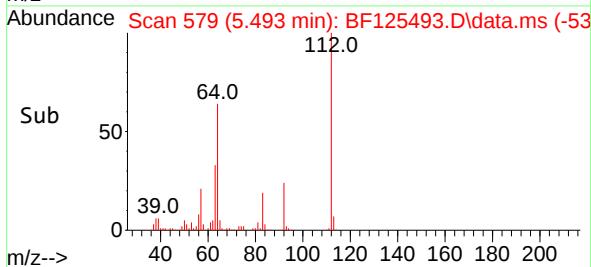
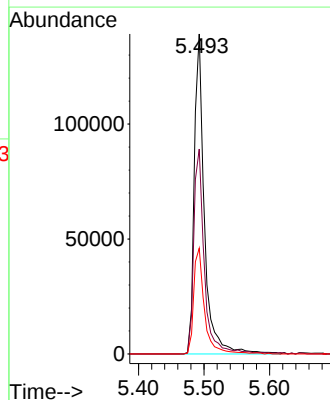
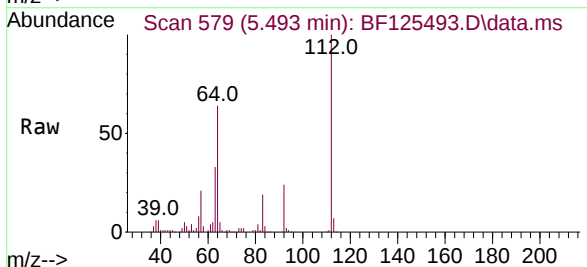
Instrument :
BNA_F
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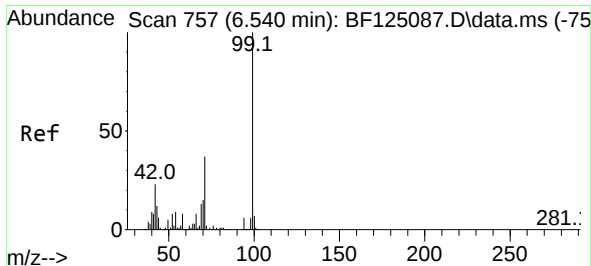
Tgt Ion:152 Resp: 142178
Ion Ratio Lower Upper
152 100
150 154.2 117.6 176.4
115 58.4 47.1 70.7



#5
2-Fluorophenol
Concen: 15.992 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion:112 Resp: 150217
Ion Ratio Lower Upper
112 100
64 64.0 44.2 66.2
63 33.0 26.2 39.2

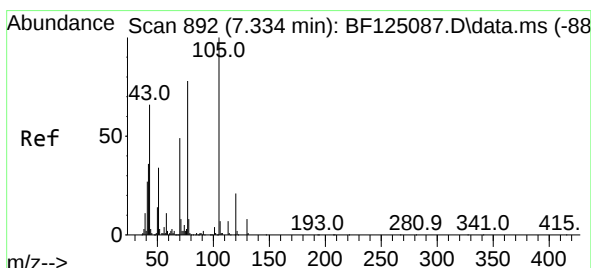
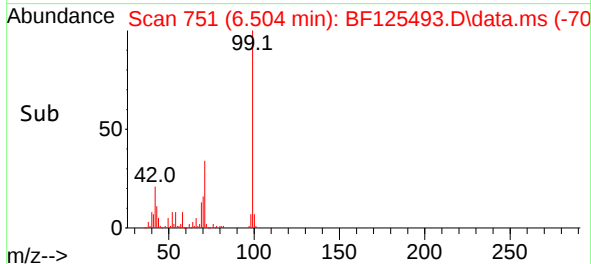
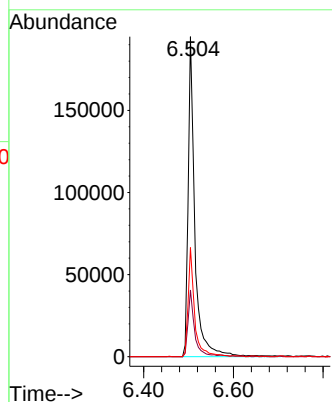
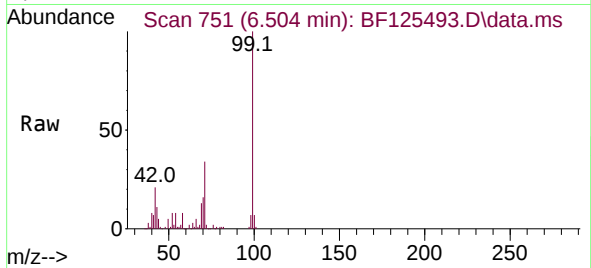




#7
Phenol-d6
Concen: 16.736 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.018 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

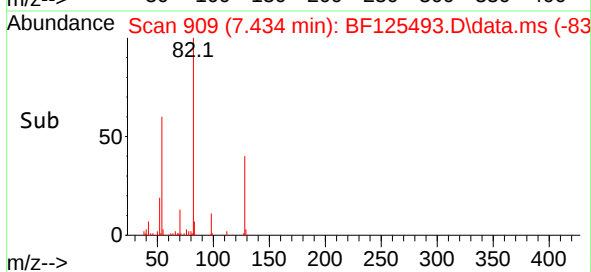
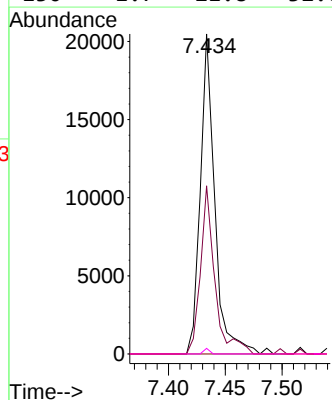
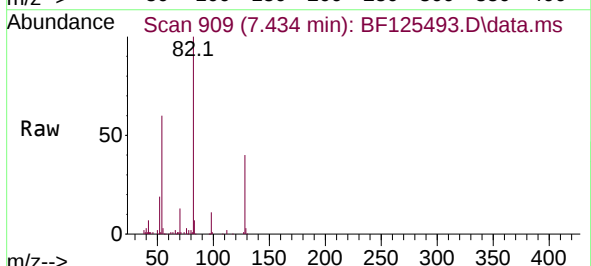
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 203315
Ion Ratio Lower Upper
99 100
42 20.8 23.5 35.3#
71 34.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.495 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion: 70 Resp: 18235
Ion Ratio Lower Upper
70 100
42 52.6 72.2 108.2#
101 0.0 7.8 11.8#
130 1.7 21.8 32.6#

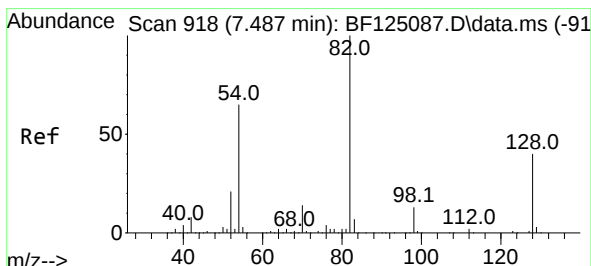
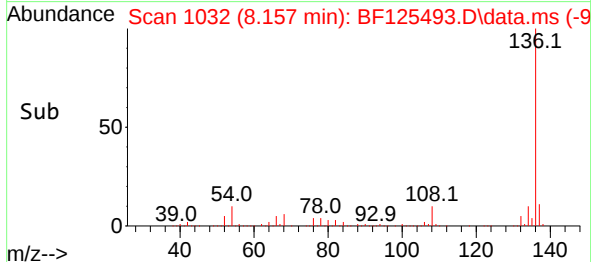
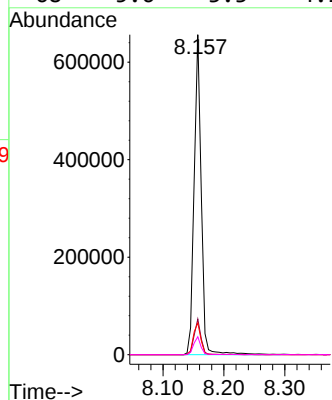
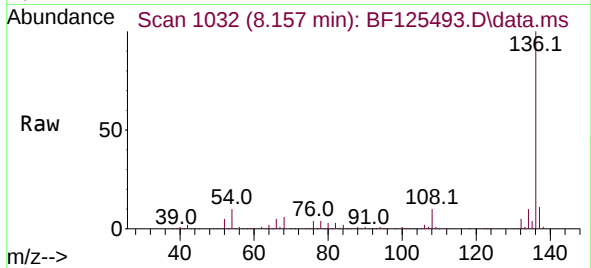




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

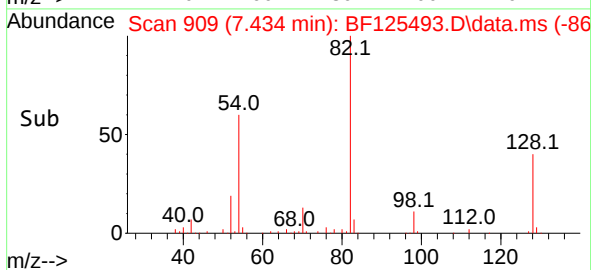
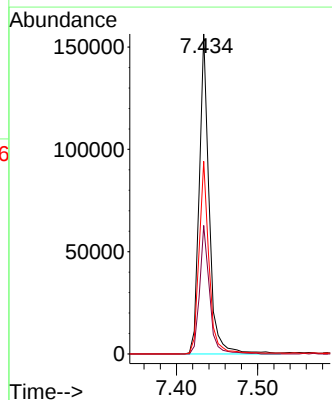
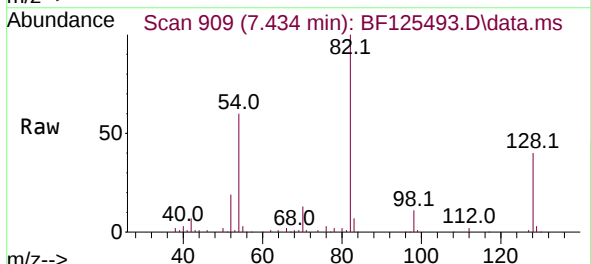
Instrument :
BNA_F
ClientSampleId :
HR-01-091321

Tgt Ion:	136	Resp:	531346
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.8	14.6
54	10.0	6.4	9.6#
68	5.6	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 12.684 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.018 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion:	82	Resp:	133873
Ion Ratio	Lower	Upper	
82	100		
128	40.2	40.6	60.8#
54	60.2	49.6	74.4

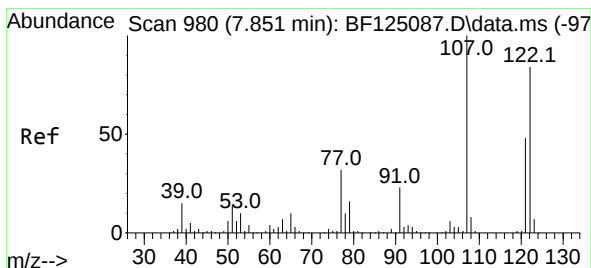
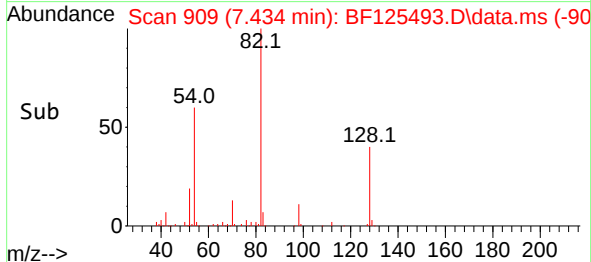
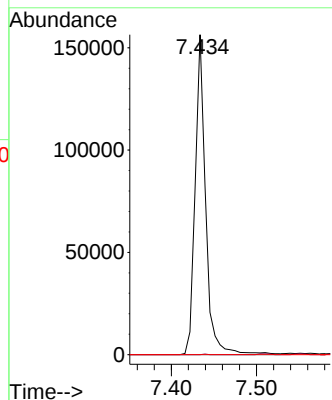
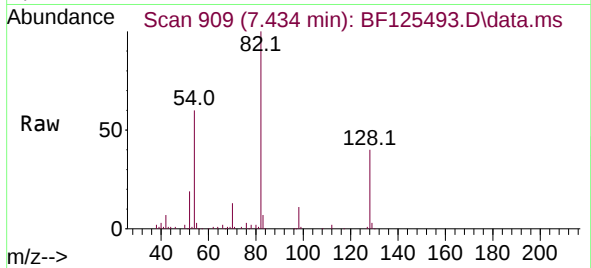




#25
Isophorone
Concen: 6.575 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

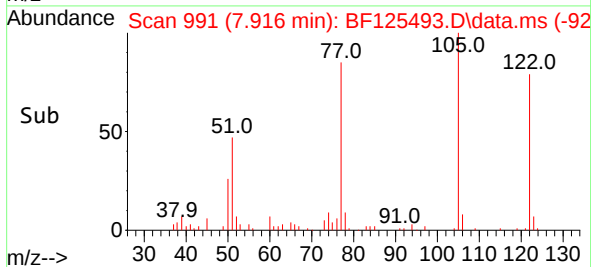
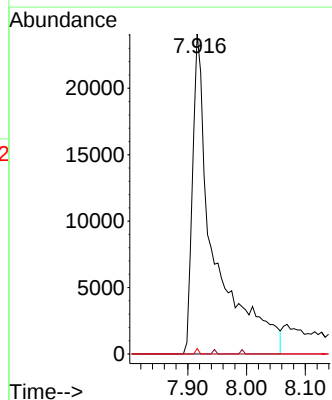
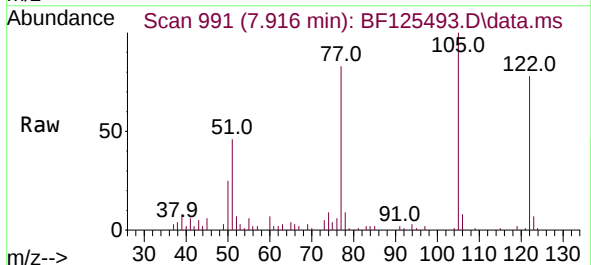
Instrument :
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ClientSampleId :
HR-01-091321

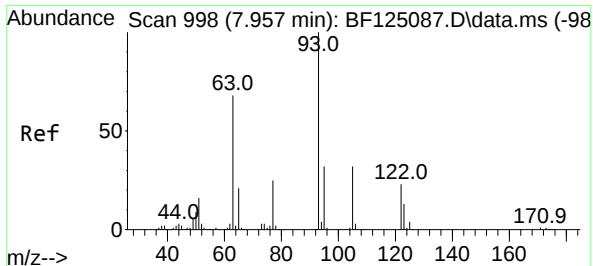
Tgt Ion: 82 Resp: 133872
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#27
2,4-Dimethylphenol
Concen: 7.635 ng
RT: 7.916 min Scan# 991
Delta R.T. 0.100 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion: 122 Resp: 61381
Ion Ratio Lower Upper
122 100
107 0.0 85.0 127.6#
121 1.7 43.3 64.9#

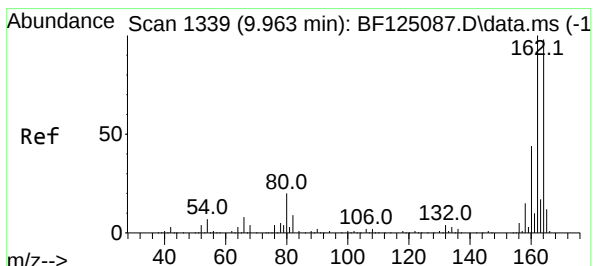
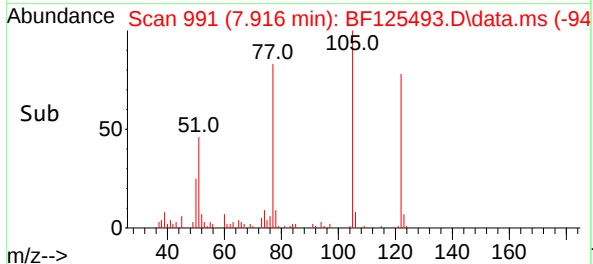
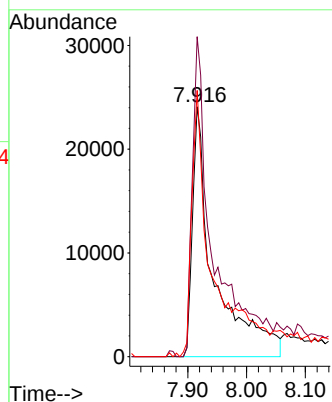
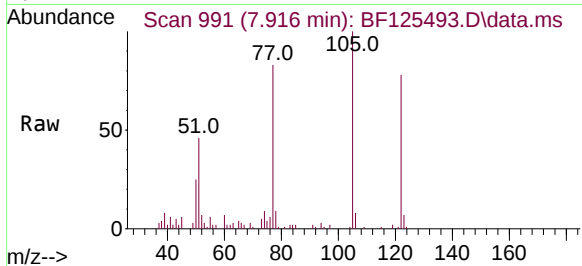




#32
Benzoic acid
Concen: 11.249 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.047 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

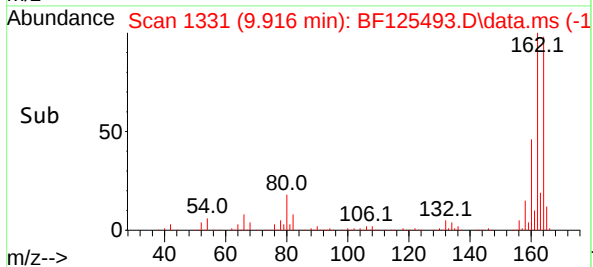
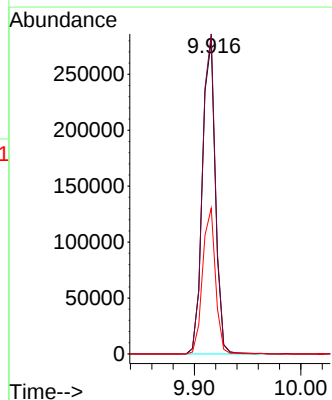
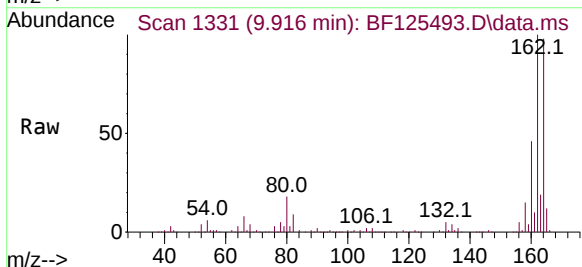
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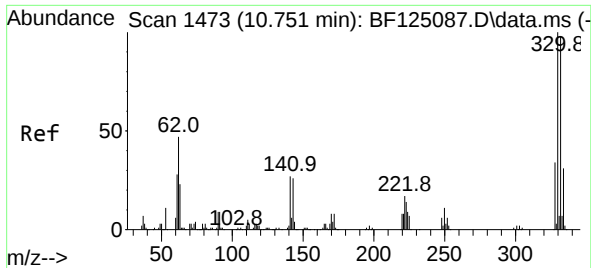
Tgt Ion:122 Resp: 61381
Ion Ratio Lower Upper
122 100
105 128.0 97.6 137.6
77 106.5 59.6 99.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion:164 Resp: 238499
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 46.5 38.0 57.0

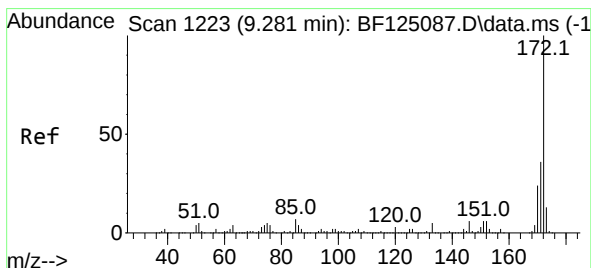
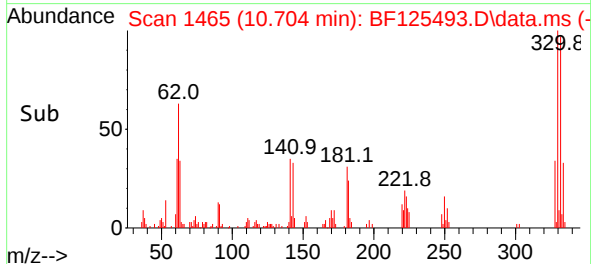
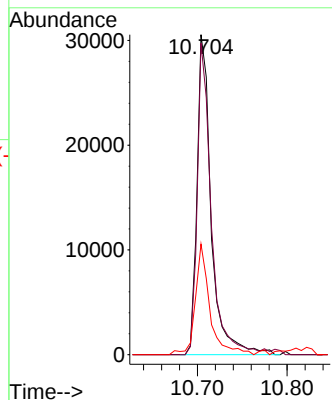
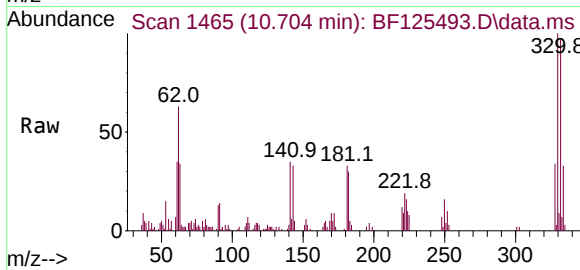




#42
2,4,6-Tribromophenol
Concen: 14.083 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

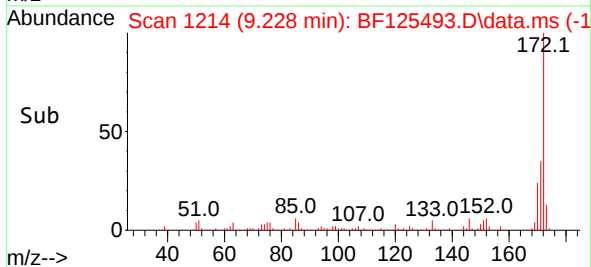
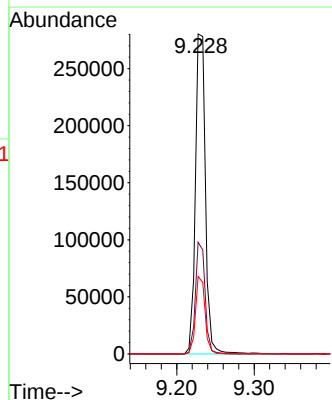
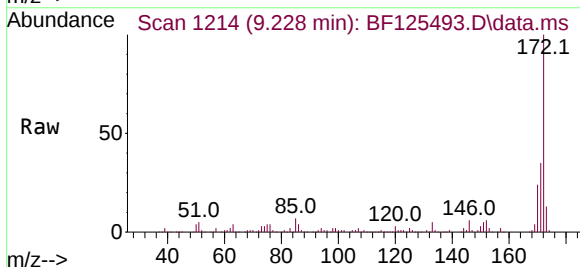
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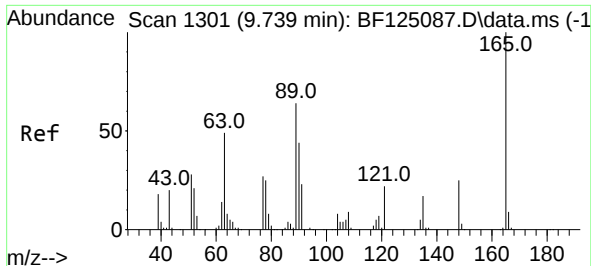
Tgt Ion: 330 Resp: 33528
Ion Ratio Lower Upper
330 100
332 95.7 76.2 114.4
141 35.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 14.814 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion: 172 Resp: 253494
Ion Ratio Lower Upper
172 100
171 34.9 26.5 39.7
170 24.2 18.8 28.2

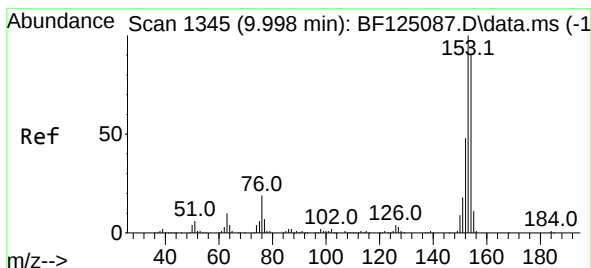
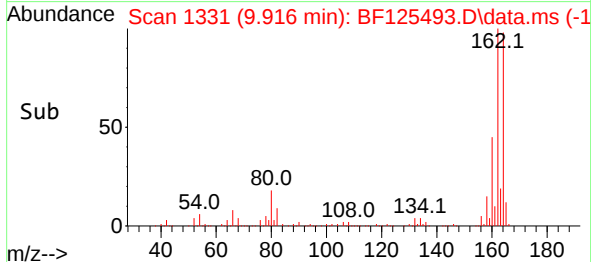
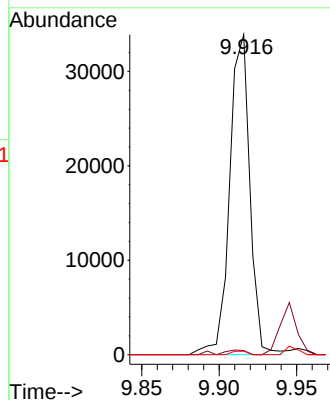
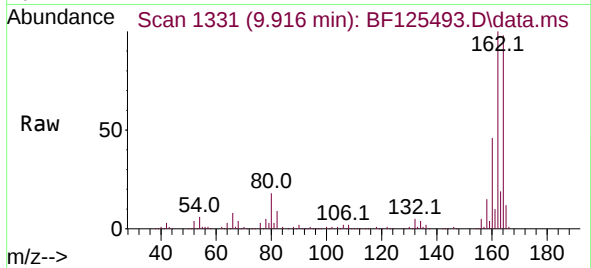




#51
2,6-Dinitrotoluene
Concen: 8.568 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.206 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

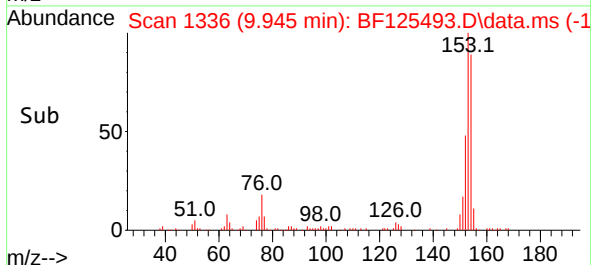
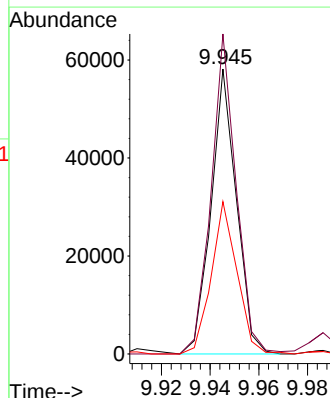
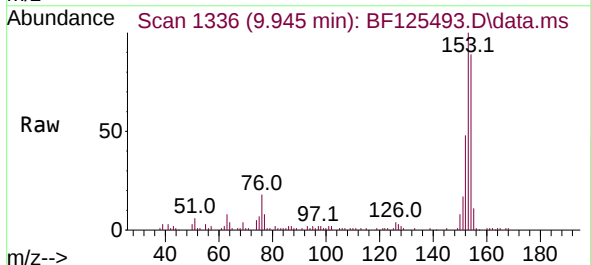
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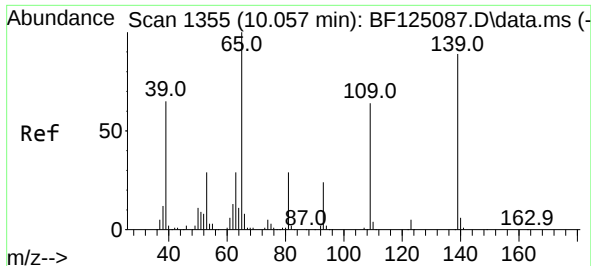
Tgt Ion:165 Resp: 30706
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.1 40.6 60.8#



#52
Acenaphthene
Concen: 2.990 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion:154 Resp: 42198
Ion Ratio Lower Upper
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153 112.3 89.4 134.2
152 53.5 40.5 60.7

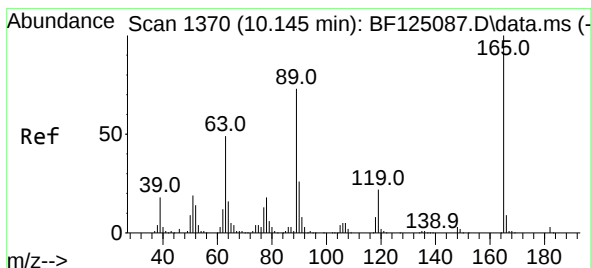
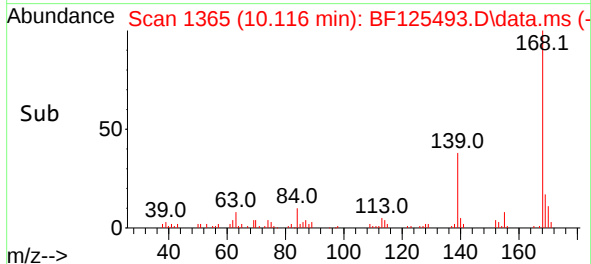
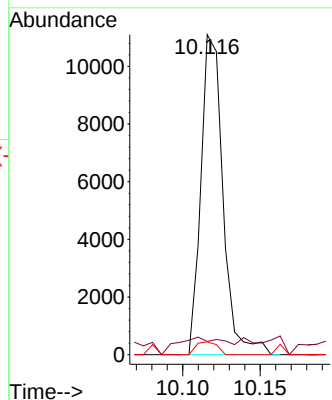
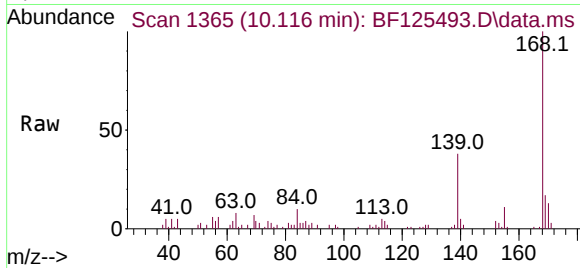




#56
4-Nitrophenol
Concen: 3.590 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.065 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

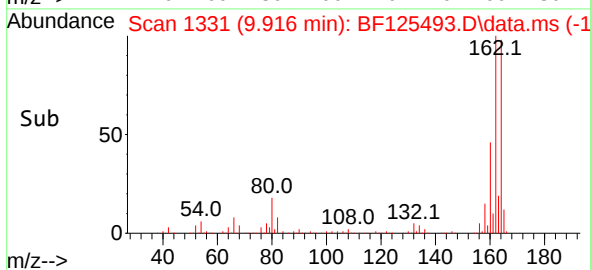
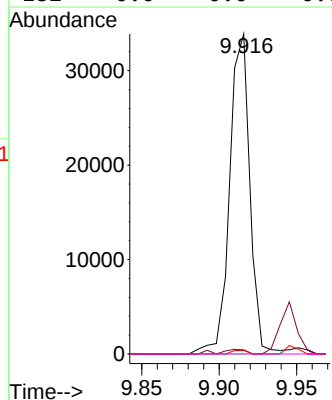
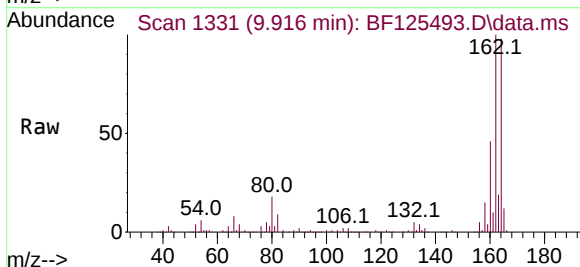
Instrument :
BNA_F
ClientSampleId :
HR-01-091321

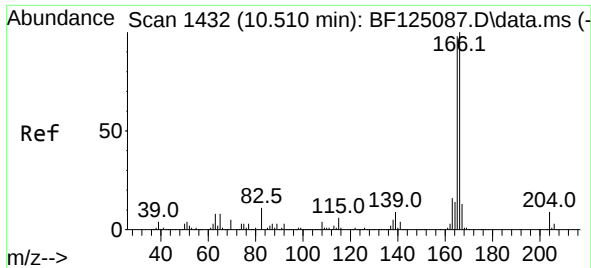
Tgt Ion:139 Resp: 10988
Ion Ratio Lower Upper
139 100
109 4.1 60.4 100.4#
65 4.0 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 7.079 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

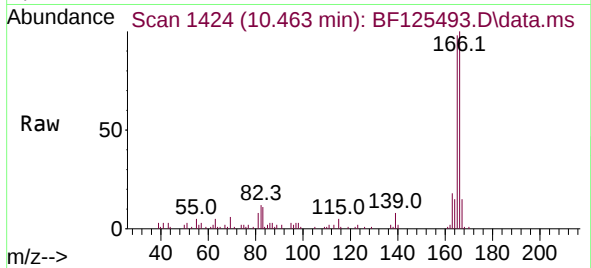
Tgt Ion:165 Resp: 30706
Ion Ratio Lower Upper
165 100
63 1.3 40.9 61.3#
89 1.1 59.7 89.5#
182 0.0 0.0 0.0



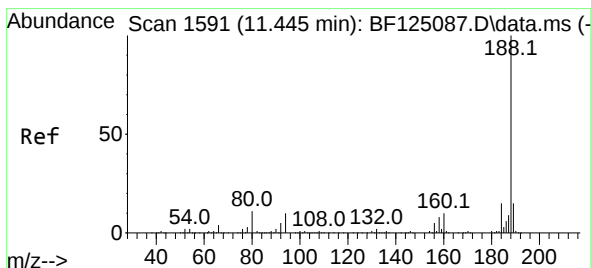
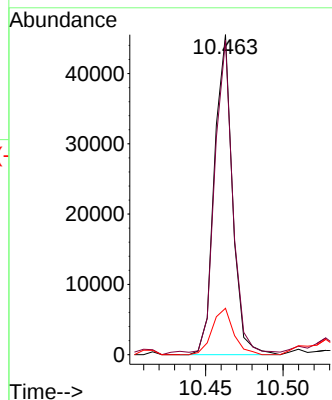
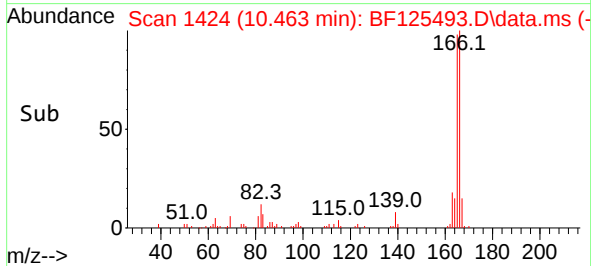


#58
Fluorene
Concen: 2.453 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

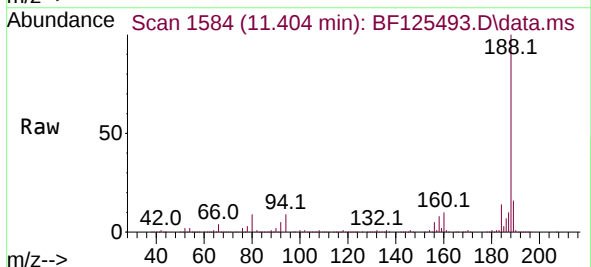
Instrument :
BNA_F
ClientSampleId :
HR-01-091321



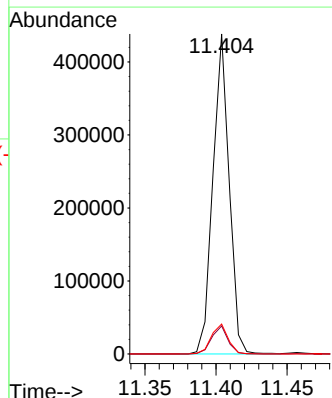
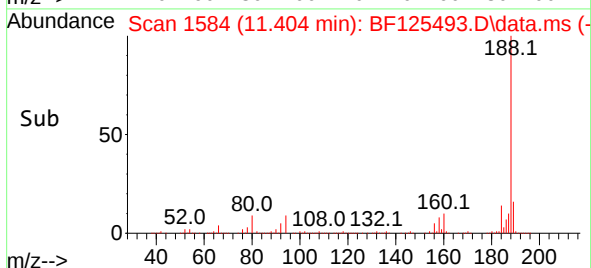
Tgt Ion:166 Resp: 36838
Ion Ratio Lower Upper
166 100
165 98.3 78.1 117.1
167 14.5 11.1 16.7

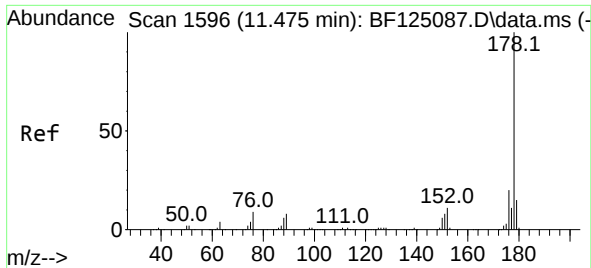


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27



Tgt Ion:188 Resp: 348016
Ion Ratio Lower Upper
188 100
94 8.8 6.7 10.1
80 9.4 7.5 11.3

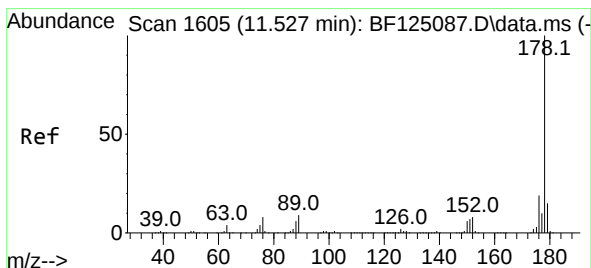
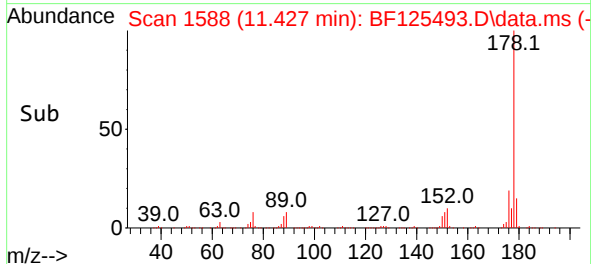
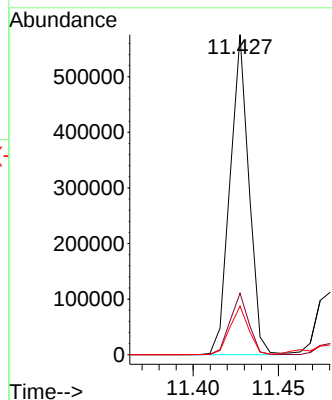
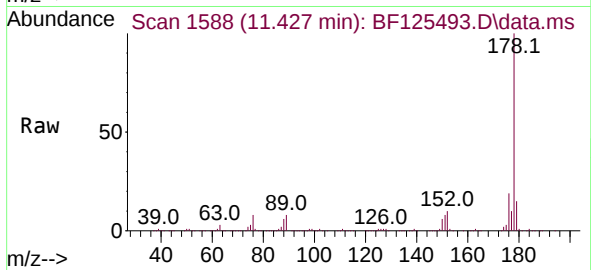




#71
Phenanthrene
Concen: 23.185 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

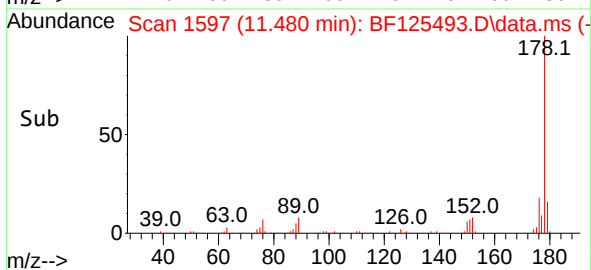
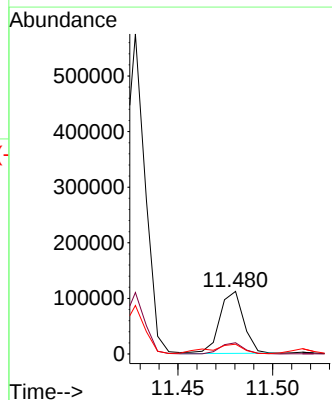
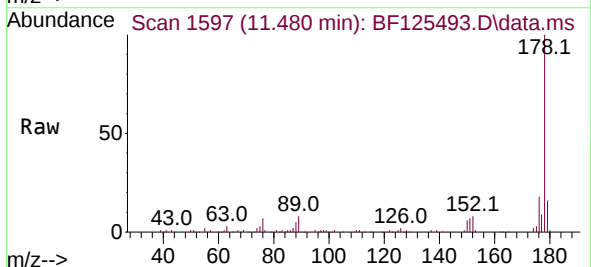
Instrument :
BNA_F
ClientSampleId :
HR-01-091321

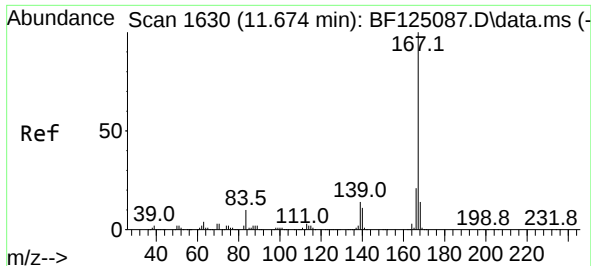
Tgt Ion:178 Resp: 444588
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.1 11.5 17.3



#72
Anthracene
Concen: 5.218 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion:178 Resp: 98622
Ion Ratio Lower Upper
178 100
176 18.0 14.3 21.5
179 15.7 12.2 18.4

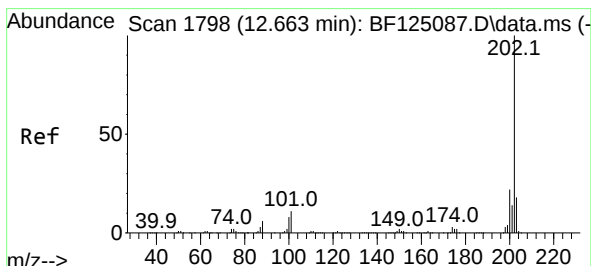
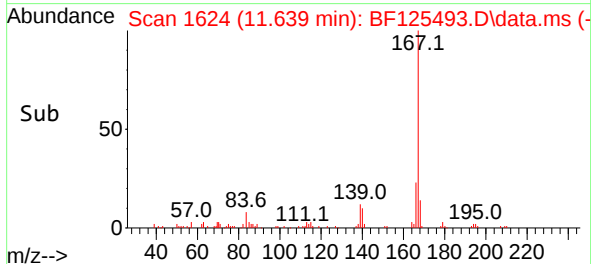
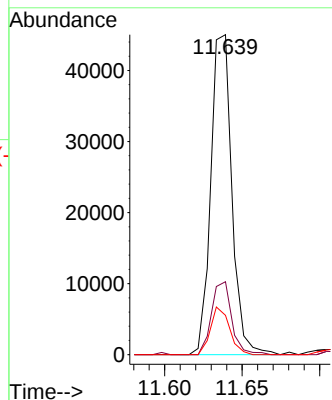
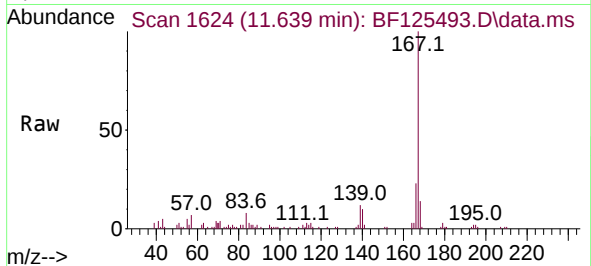




#73
 Carbazole
 Concen: 2.470 ng
 RT: 11.639 min Scan# 1624
 Delta R.T. -0.006 min
 Lab File: BF125493.D
 Acq: 15 Sep 2021 1:27

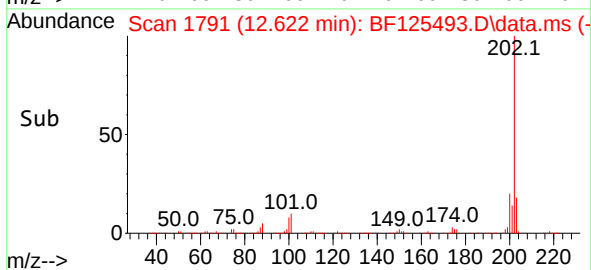
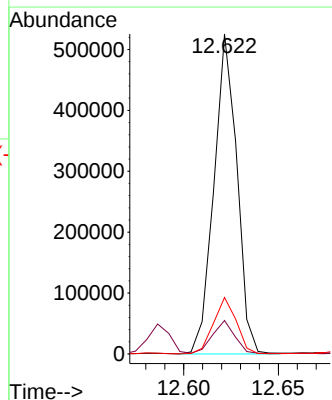
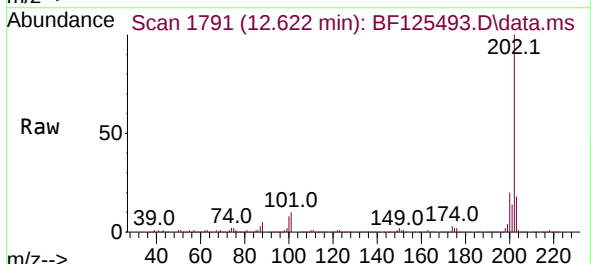
Instrument :
 BNA_F
 ClientSampleId :
 HR-01-091321

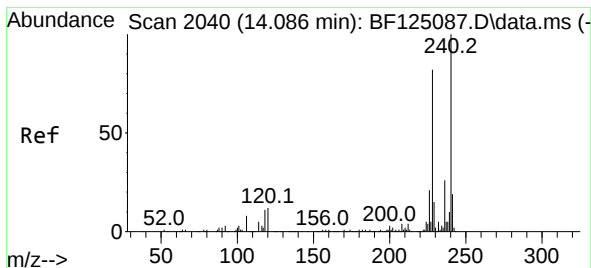
Tgt Ion:167 Resp: 42668
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.4 26.0
 139 12.3 11.0 16.4



#75
 Fluoranthene
 Concen: 23.347 ng
 RT: 12.622 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: BF125493.D
 Acq: 15 Sep 2021 1:27

Tgt Ion:202 Resp: 444219
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.7
 203 17.7 0.0 36.3

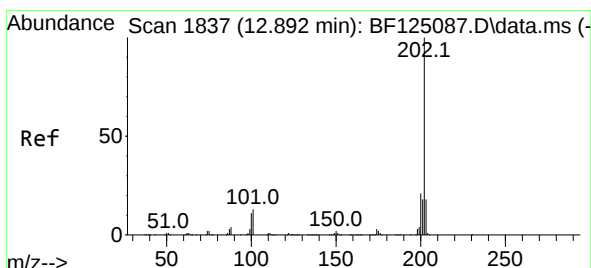
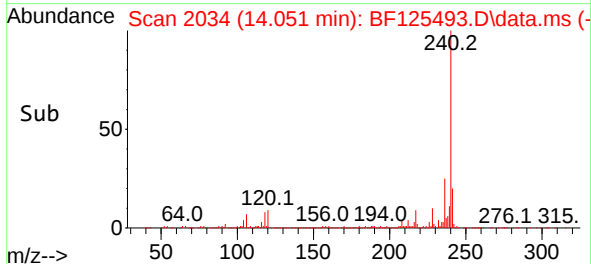
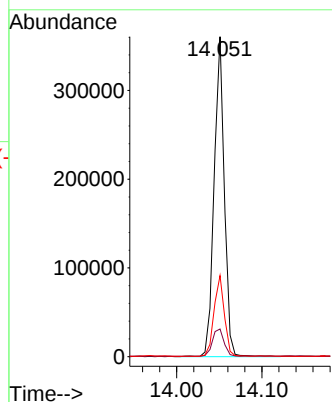
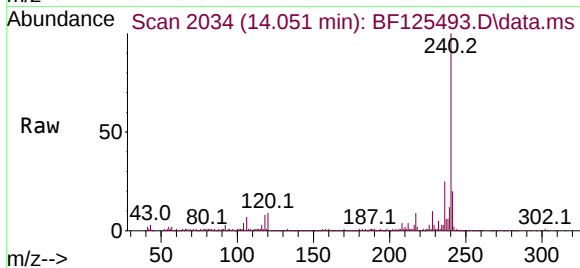




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

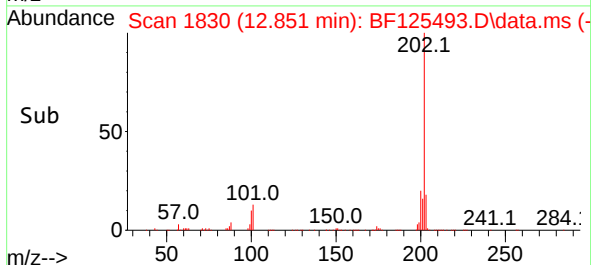
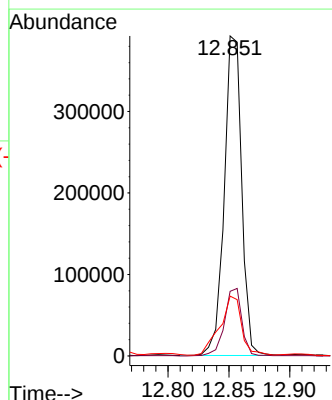
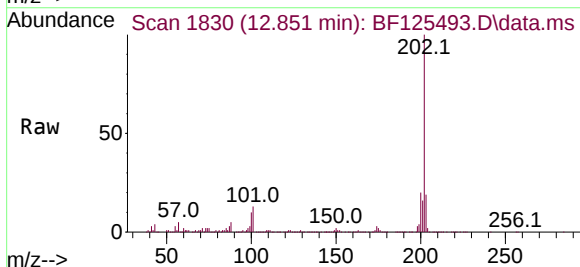
Instrument :
BNA_F
ClientSampleId :
HR-01-091321

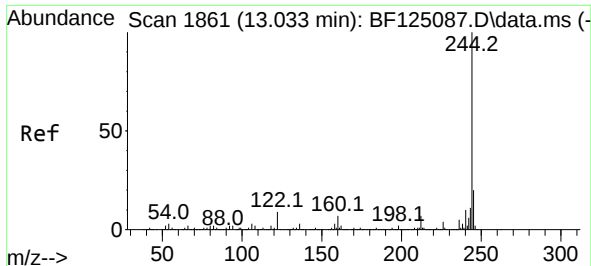
Tgt Ion:240 Resp: 300487
Ion Ratio Lower Upper
240 100
120 8.7 10.8 16.2#
236 25.4 21.6 32.4



#78
Pyrene
Concen: 15.198 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion:202 Resp: 391738
Ion Ratio Lower Upper
202 100
200 20.2 15.3 22.9
203 18.7 13.4 20.0

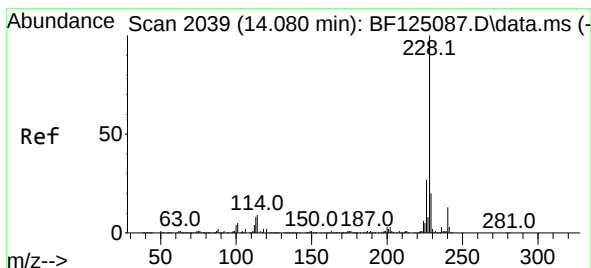
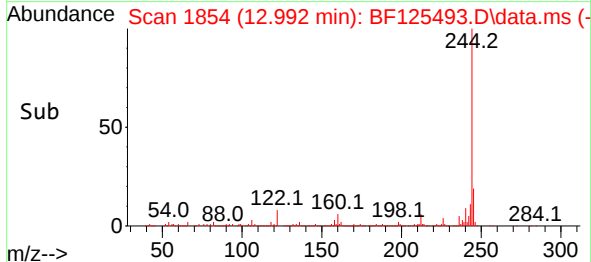
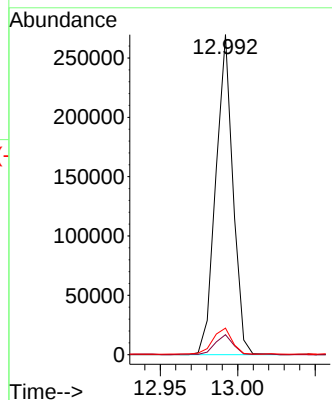
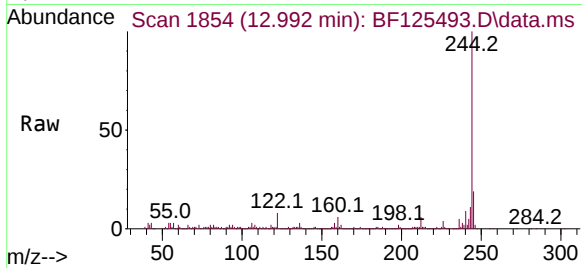




#79
 Terphenyl-d14
 Concen: 10.972 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.006 min
 Lab File: BF125493.D
 Acq: 15 Sep 2021 1:27

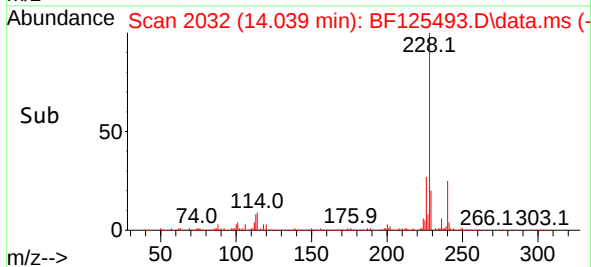
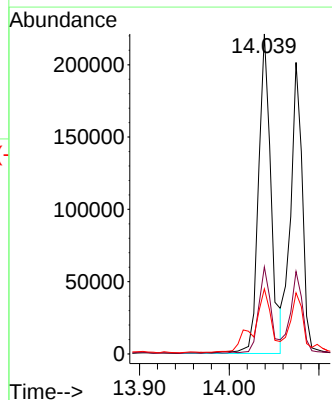
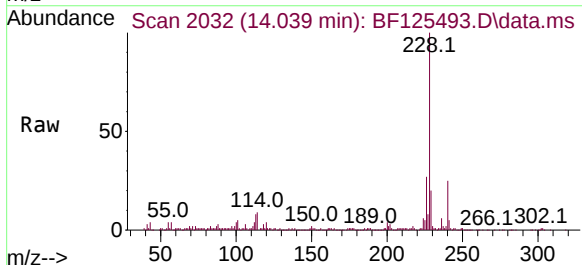
Instrument :
 BNA_F
 ClientSampleId :
 HR-01-091321

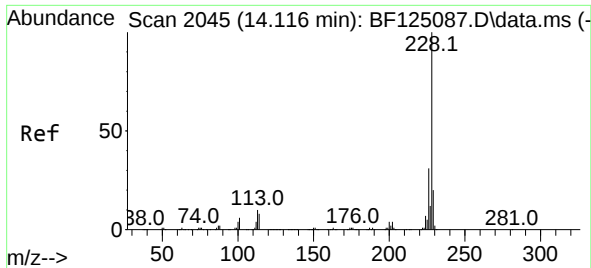
Tgt Ion:244 Resp: 206948
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.9 8.9
 122 8.3 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 9.902 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.012 min
 Lab File: BF125493.D
 Acq: 15 Sep 2021 1:27

Tgt Ion:228 Resp: 214386
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.6 32.4
 229 20.4 15.6 23.4

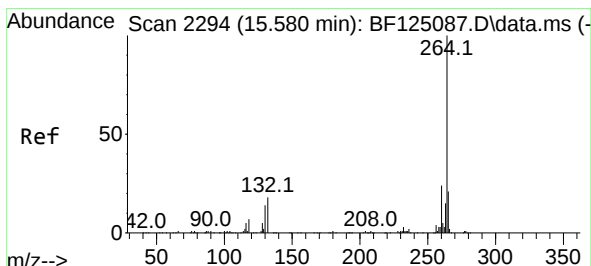
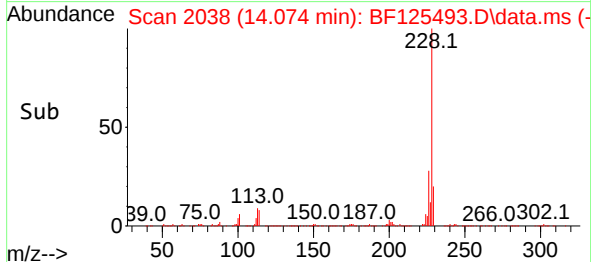
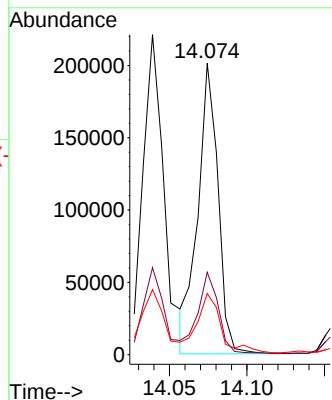
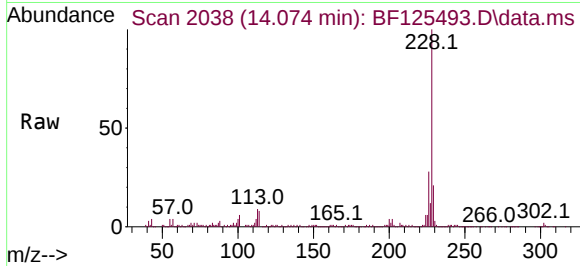




#83
Chrysene
Concen: 8.478 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

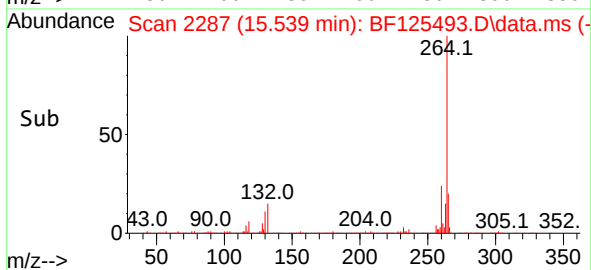
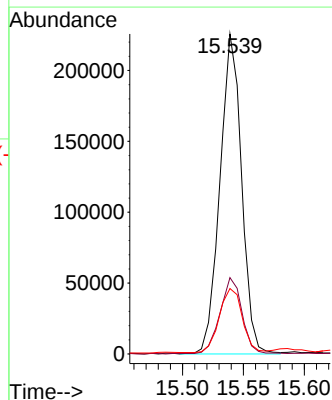
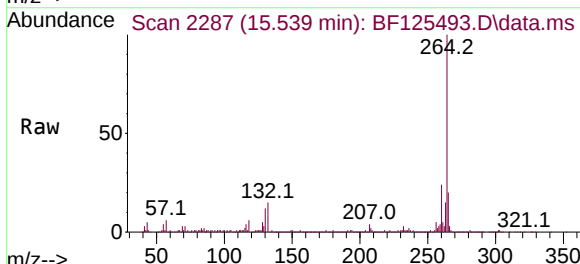
Instrument :
BNA_F
ClientSampleId :
HR-01-091321

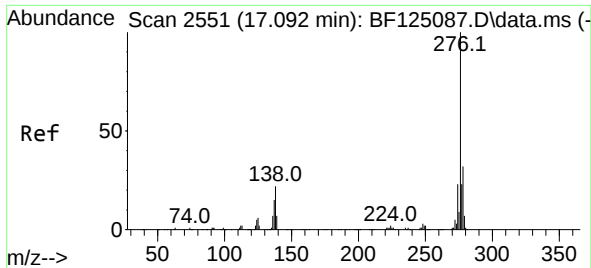
Tgt Ion:228	Resp: 181525
Ion Ratio	Lower Upper
228 100	
226 28.3	22.6 34.0
229 21.0	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion:264	Resp: 279897
Ion Ratio	Lower Upper
264 100	
260 23.9	19.6 29.4
265 20.5	17.2 25.8

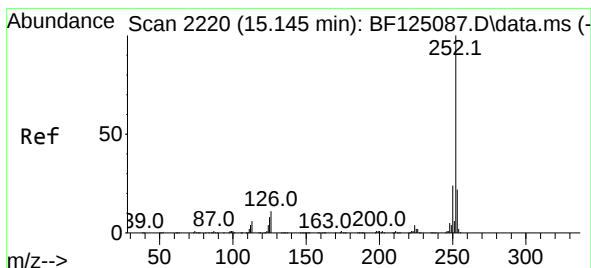
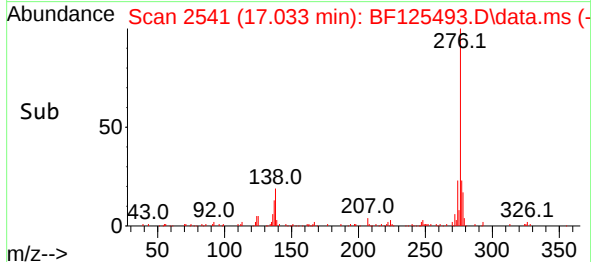
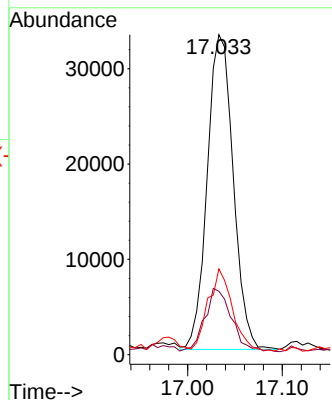
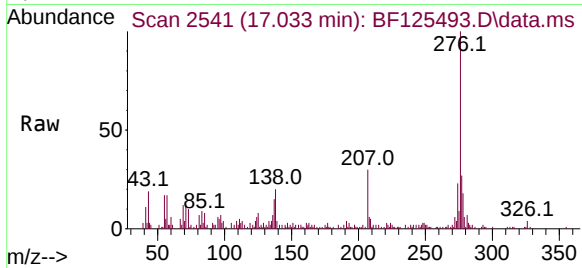




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.126 ng
RT: 17.033 min Scan# 2541
Delta R.T. -0.029 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

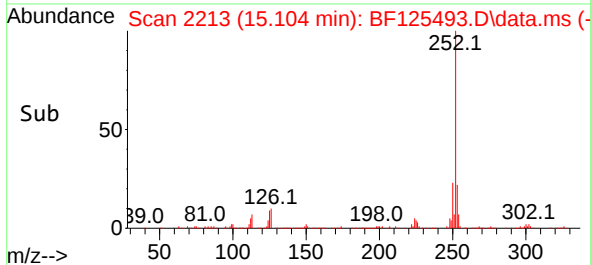
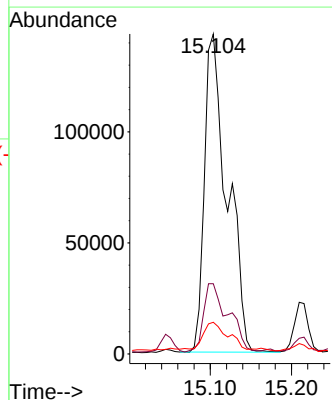
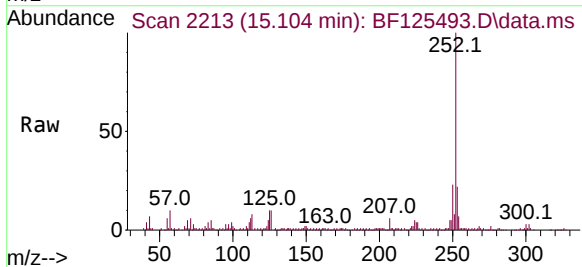
Instrument :
BNA_F
ClientSampleId :
HR-01-091321

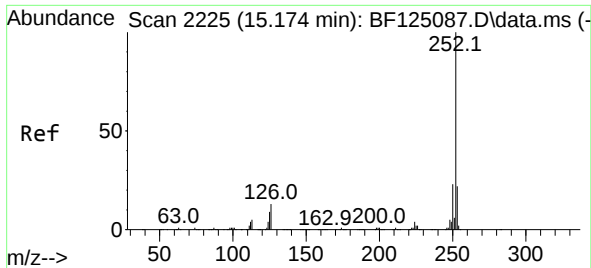
Tgt Ion:276 Resp: 63043
Ion Ratio Lower Upper
276 100
138 20.6 24.1 36.1#
277 24.4 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 13.631 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion:252 Resp: 278729
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 9.9 9.8 14.8

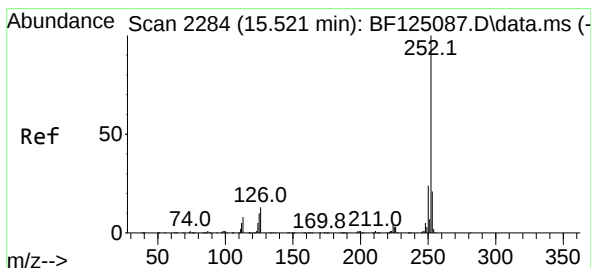
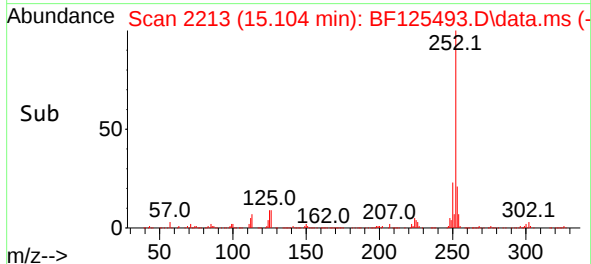
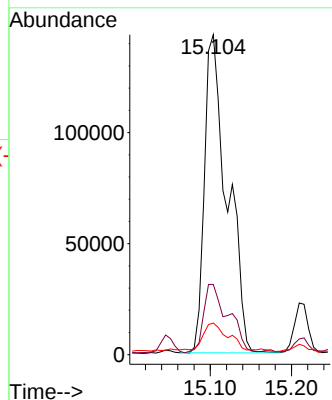
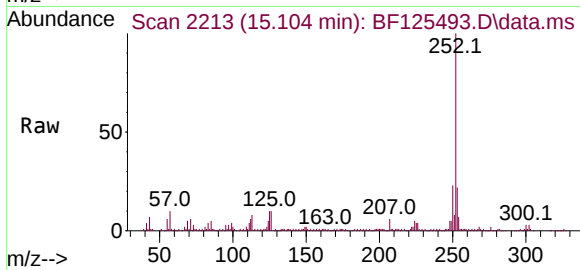




#89
Benzo(k)fluoranthene
Concen: 14.607 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.041 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Instrument :
BNA_F
ClientSampleId :
HR-01-091321

Tgt Ion:252 Resp: 278729
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 9.9 7.2 10.8



#90
Benzo(a)pyrene
Concen: 7.954 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.012 min
Lab File: BF125493.D
Acq: 15 Sep 2021 1:27

Tgt Ion:252 Resp: 143674
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 10.7 9.9 14.9

