

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091421\
 Data File : BF125492.D
 Acq On : 15 Sep 2021 00:56
 Operator : JU/CG
 Sample : M3719-03DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-091021DL

Quant Time: Sep 15 01:55:19 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)

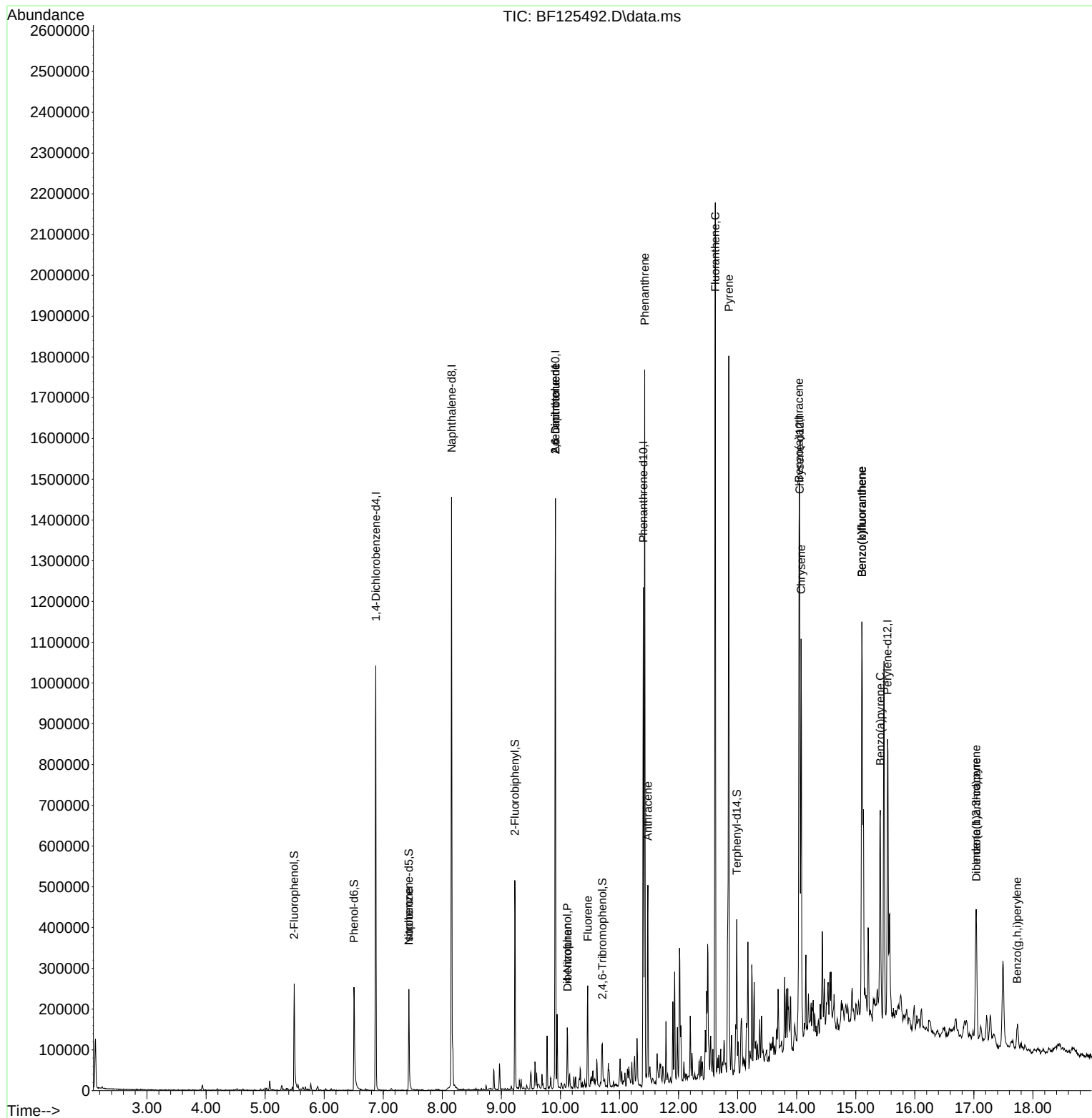
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	152814	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	588730	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	285188	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	422676	20.000	ng	0.00
76) Chrysene-d12	14.051	240	293572	20.000	ng	#-0.01
86) Perylene-d12	15.539	264	315916	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	81781	8.100	ng	-0.01
7) Phenol-d6	6.504	99	112245	8.596	ng	-0.02
23) Nitrobenzene-d5	7.434	82	77407	6.619	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	11672	4.100	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	162947	7.963	ng	-0.01
79) Terphenyl-d14	12.986	244	114583	6.218	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.434	82	77406	3.431	ng	# 59
51) 2,6-Dinitrotoluene	9.916	165	38742	9.041	ng	# 28
55) Dibenzofuran	10.122	168	49433	2.035	ng	93
56) 4-Nitrophenol	10.116	139	19264	5.264	ng	# 11
57) 2,4-Dinitrotoluene	9.916	165	38742	7.470	ng	# 19
58) Fluorene	10.463	166	68446	3.811	ng	99
71) Phenanthrene	11.427	178	583169	25.040	ng	98
72) Anthracene	11.480	178	183593	7.998	ng	99
75) Fluoranthene	12.621	202	818193	35.406	ng	97
78) Pyrene	12.851	202	705699	28.023	ng	97
81) Benzo(a)anthracene	14.039	228	463890	21.931	ng	96
83) Chrysene	14.074	228	385056	18.408	ng	96
87) Indeno(1,2,3-cd)pyrene	17.039	276	213088	9.363	ng	# 88
88) Benzo(b)fluoranthene	15.104	252	764239	33.112	ng	# 95
89) Benzo(k)fluoranthene	15.104	252	764239	35.485	ng	100
90) Benzo(a)pyrene	15.415	252	261619	12.832	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	52807	2.684	ng	94
92) Benzo(g,h,i)perylene	17.733	276	47306	2.494	ng	96

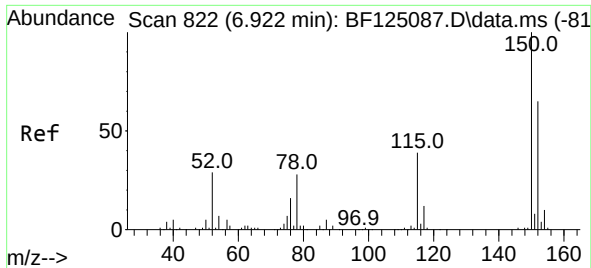
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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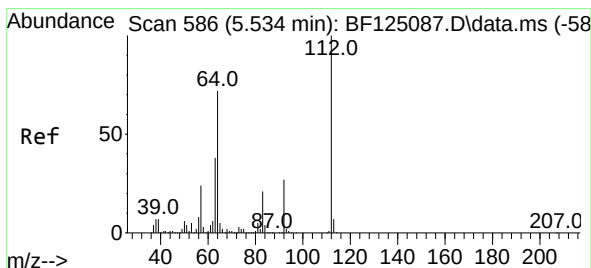
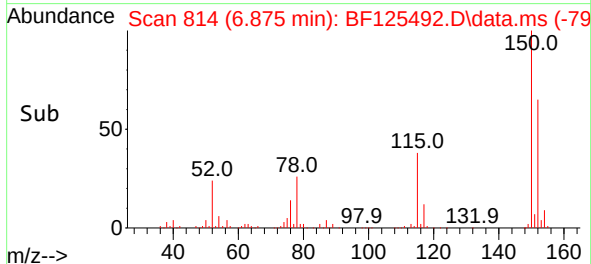
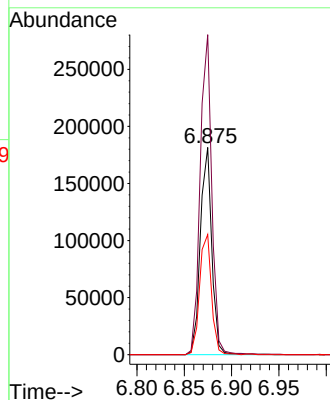
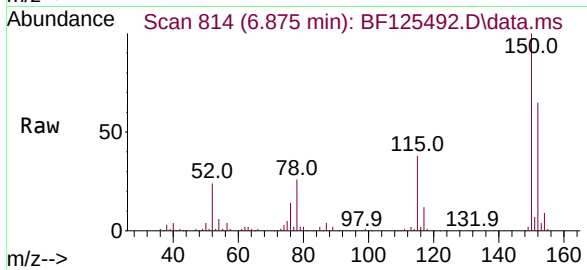




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

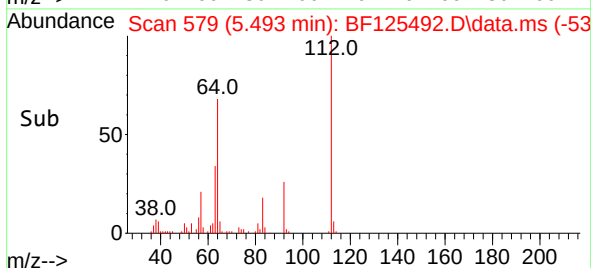
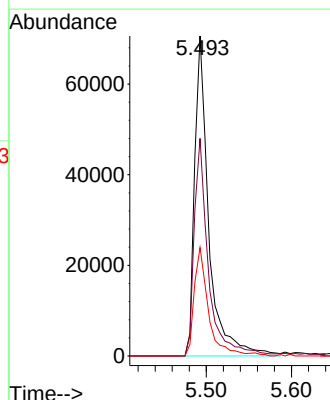
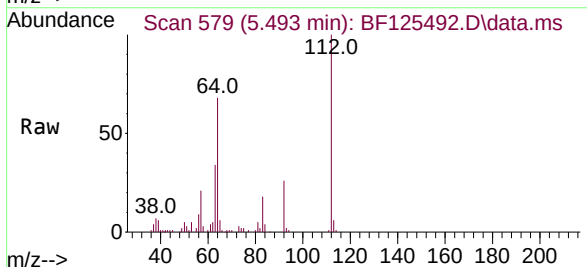
Instrument :
BNA_F
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SU-04-091021DL

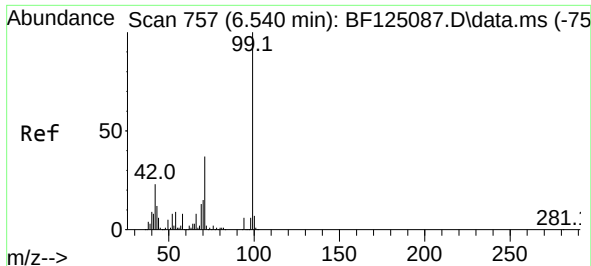
Tgt Ion:152 Resp: 152814
Ion Ratio Lower Upper
152 100
150 154.4 117.6 176.4
115 58.0 47.1 70.7



#5
2-Fluorophenol
Concen: 8.100 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.012 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion:112 Resp: 81781
Ion Ratio Lower Upper
112 100
64 68.0 44.2 66.2#
63 33.9 26.2 39.2

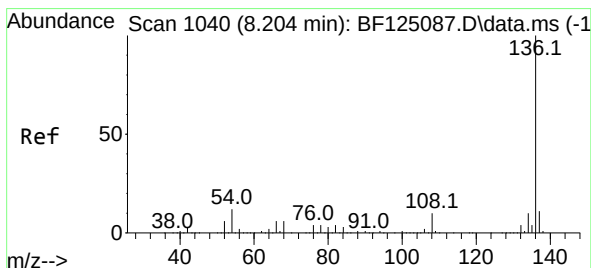
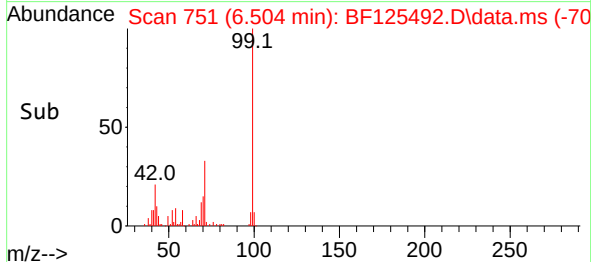
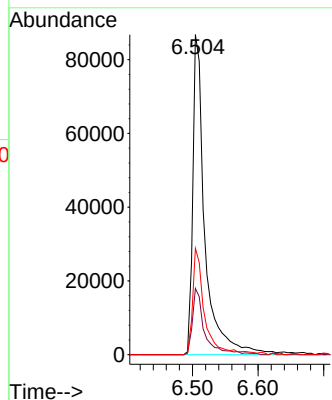
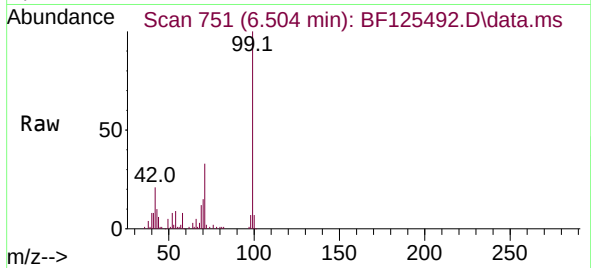




#7
Phenol-d6
Concen: 8.596 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.018 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

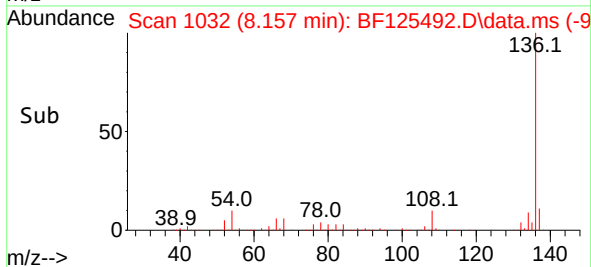
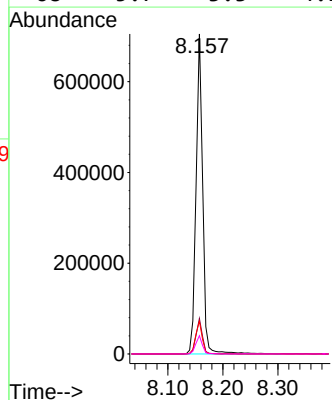
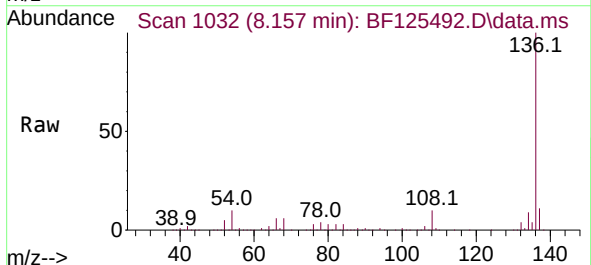
Instrument :
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ClientSampleId :
SU-04-091021DL

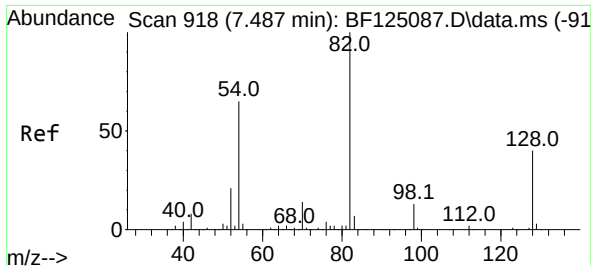
Tgt Ion: 99 Resp: 112245
Ion Ratio Lower Upper
99 100
42 20.7 23.5 35.3#
71 33.3 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 136 Resp: 588730
Ion Ratio Lower Upper
136 100
137 11.1 9.8 14.6
54 10.3 6.4 9.6#
68 5.7 3.3 4.9#

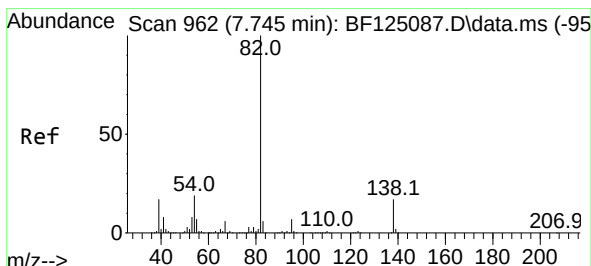
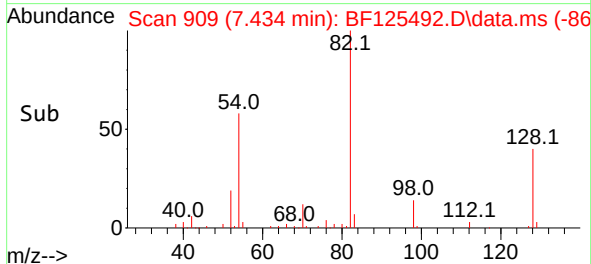
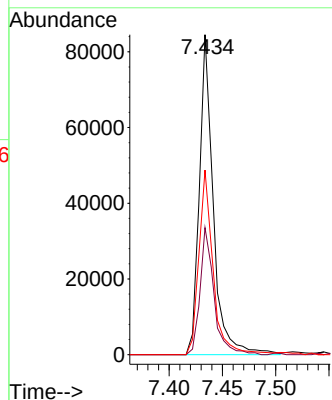
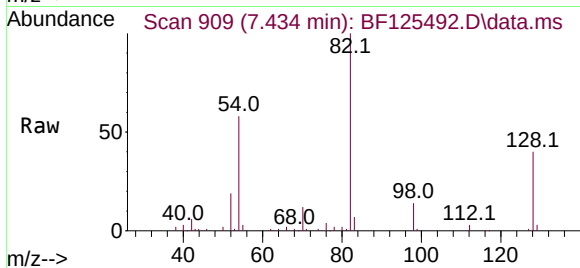




#23
Nitrobenzene-d5
Concen: 6.619 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.018 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

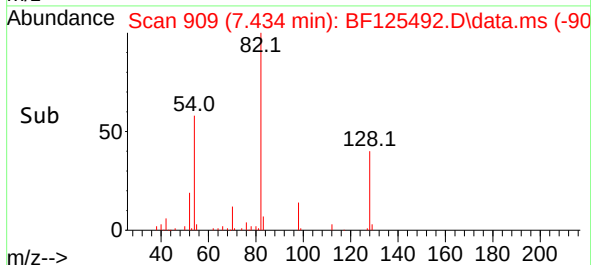
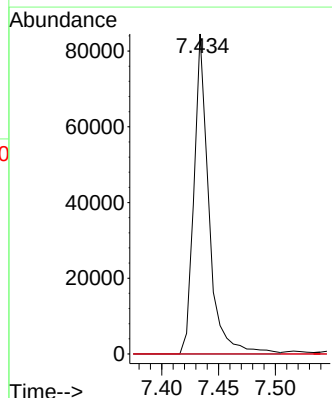
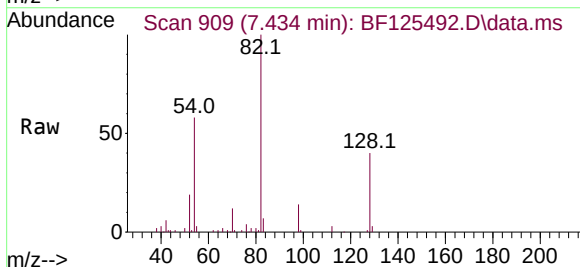
Instrument :
BNA_F
ClientSampleId :
SU-04-091021DL

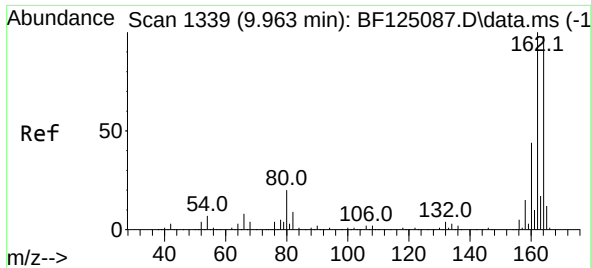
Tgt Ion: 82 Resp: 77407
Ion Ratio Lower Upper
82 100
128 39.7 40.6 60.8#
54 57.7 49.6 74.4



#25
Isophorone
Concen: 3.431 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion: 82 Resp: 77406
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#

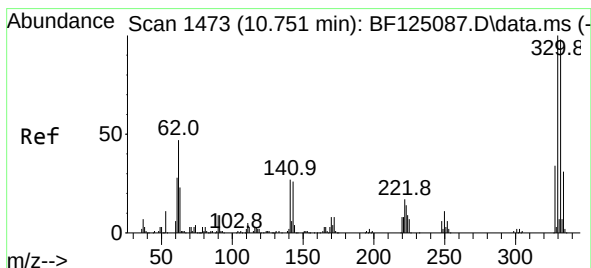
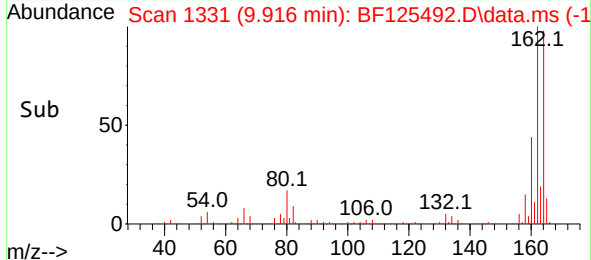
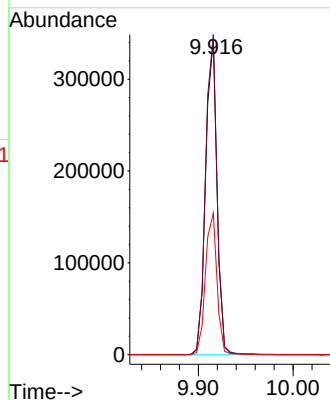
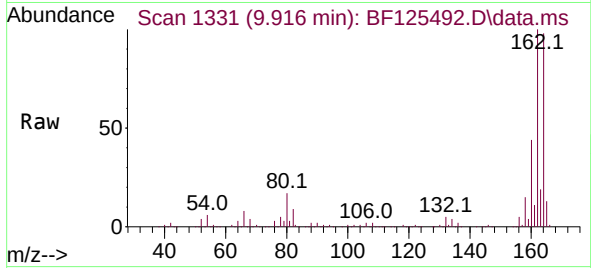




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

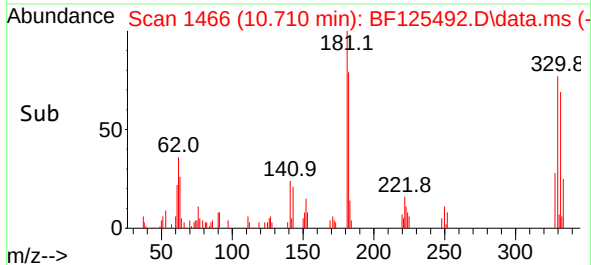
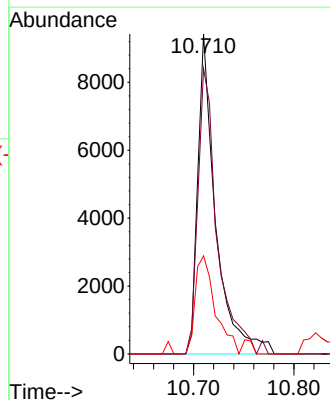
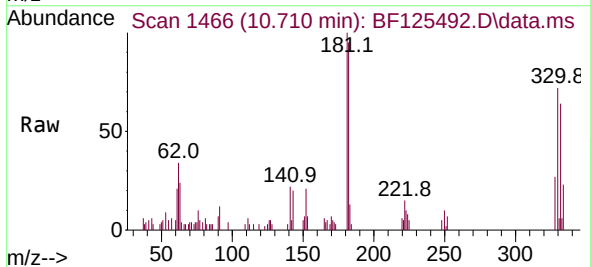
Instrument :
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ClientSampleId :
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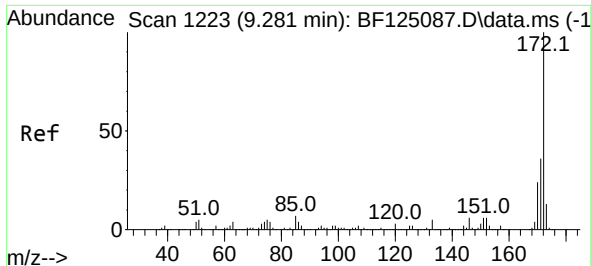
Tgt Ion:164 Resp: 285188
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 44.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 4.100 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion:330 Resp: 11672
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 34.4 44.6 66.8#

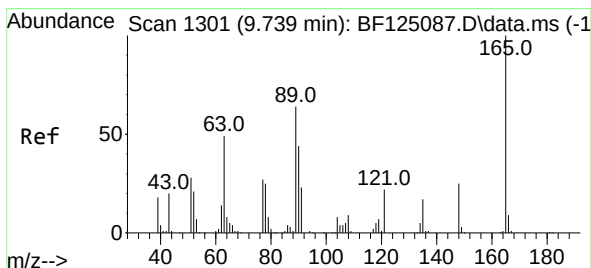
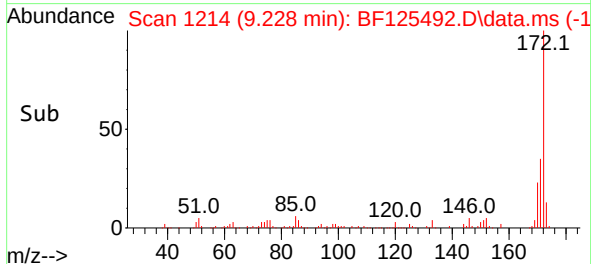
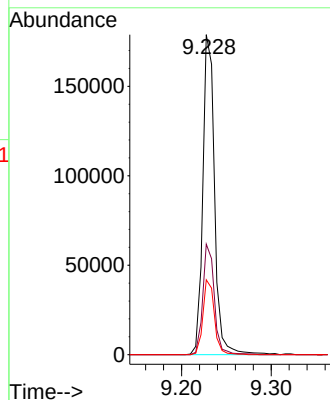
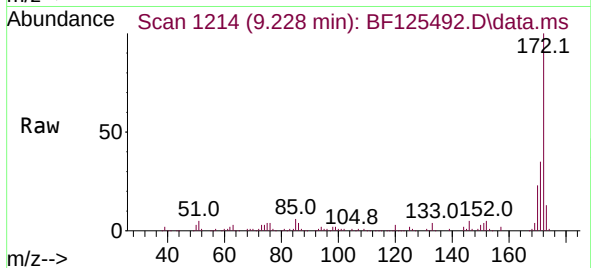




#45
2-Fluorobiphenyl
Concen: 7.963 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

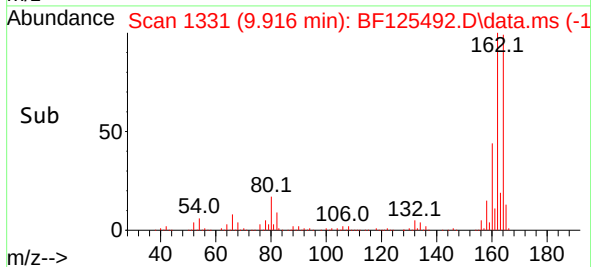
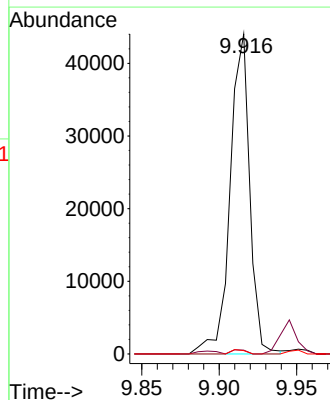
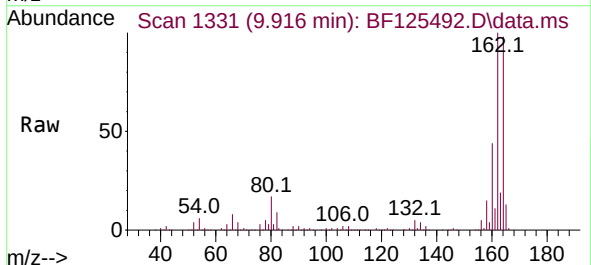
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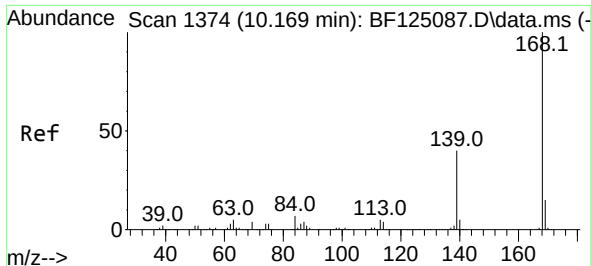
Tgt Ion:172 Resp: 162947
Ion Ratio Lower Upper
172 100
171 34.6 26.5 39.7
170 23.4 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.041 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.206 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion:165 Resp: 38742
Ion Ratio Lower Upper
165 100
63 1.2 42.6 63.8#
89 1.1 40.6 60.8#

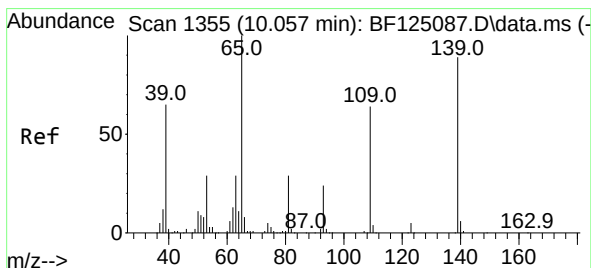
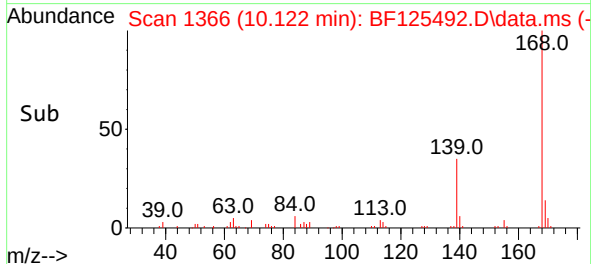
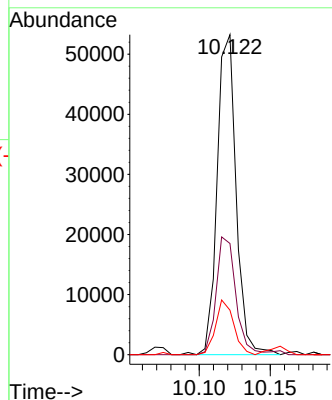
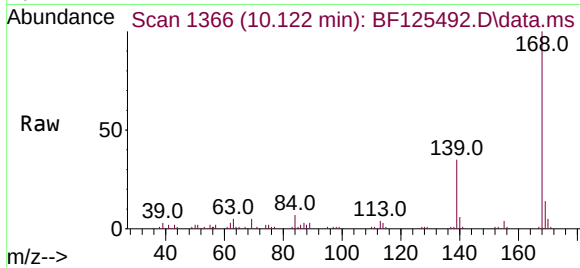




#55
Dibenzofuran
Concen: 2.035 ng
RT: 10.122 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

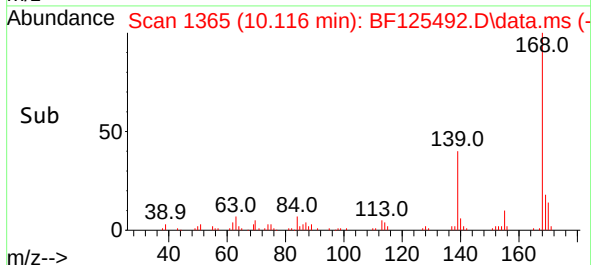
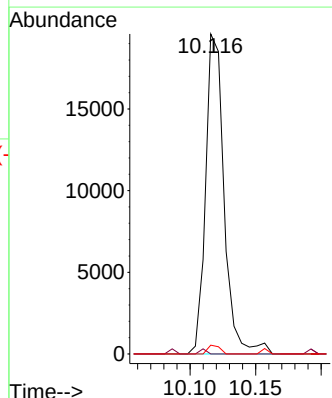
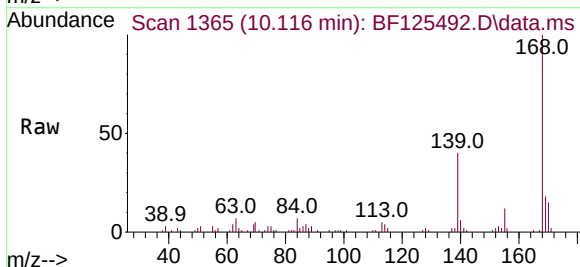
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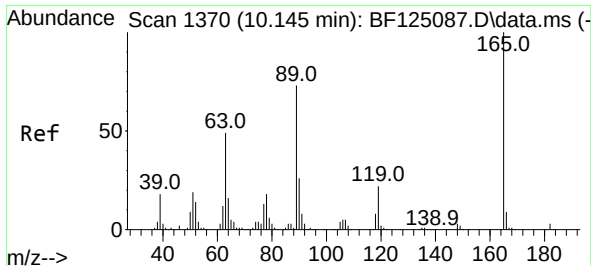
Tgt Ion:168 Resp: 49433
Ion Ratio Lower Upper
168 100
139 34.8 32.7 49.1
169 13.9 11.2 16.8



#56
4-Nitrophenol
Concen: 5.264 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.065 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion:139 Resp: 19264
Ion Ratio Lower Upper
139 100
109 0.0 60.4 100.4#
65 2.8 58.4 98.4#

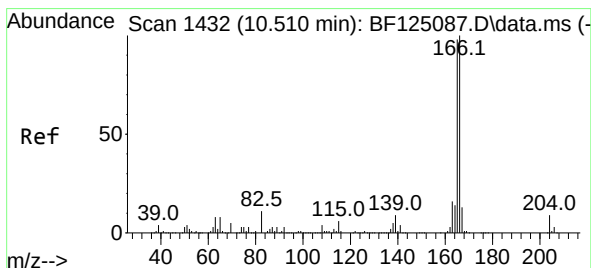
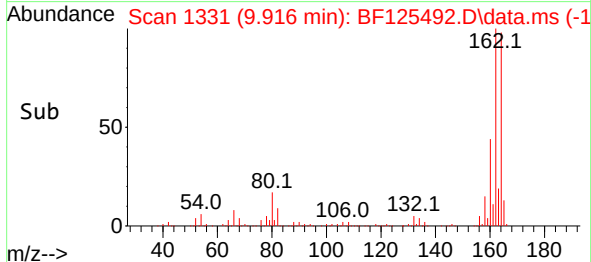
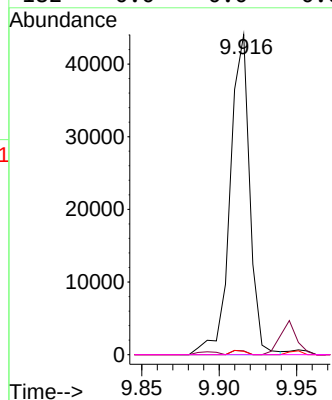
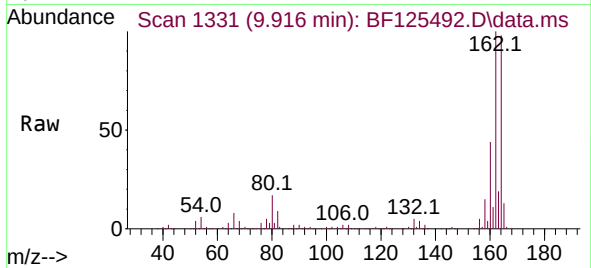




#57
2,4-Dinitrotoluene
Concen: 7.470 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

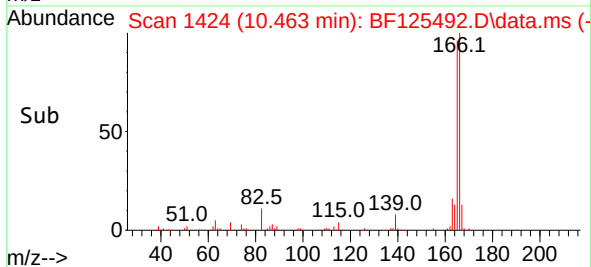
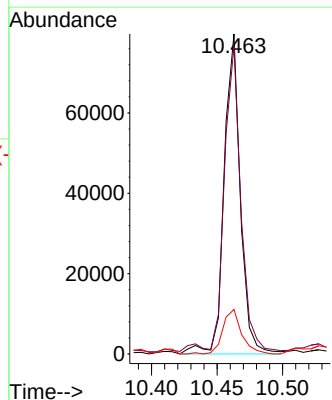
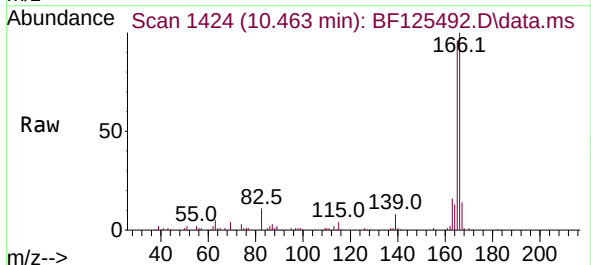
Instrument :
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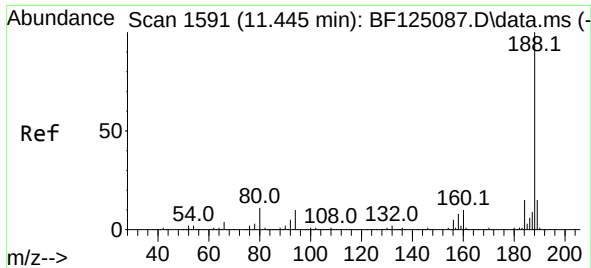
Tgt Ion:165 Resp: 38742
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 1.1 59.7 89.5#
182 0.0 0.0 0.0



#58
Fluorene
Concen: 3.811 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion:166 Resp: 68446
Ion Ratio Lower Upper
166 100
165 96.3 78.1 117.1
167 13.9 11.1 16.7

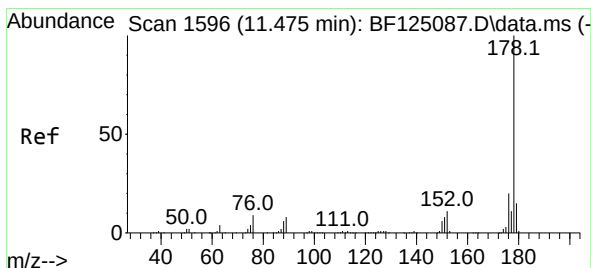
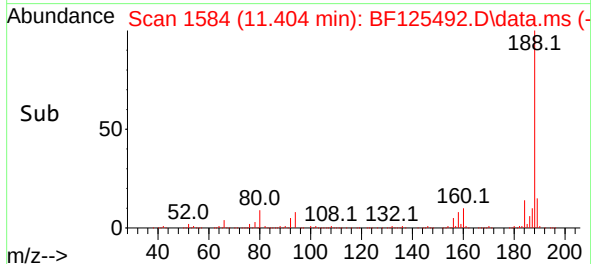
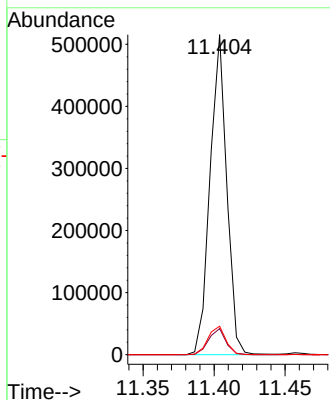
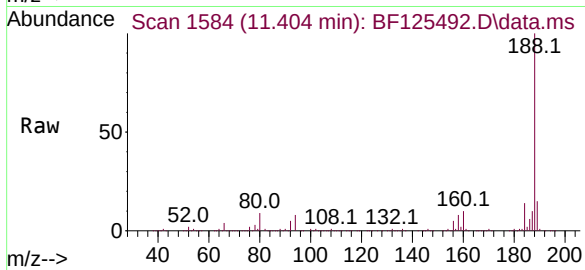




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

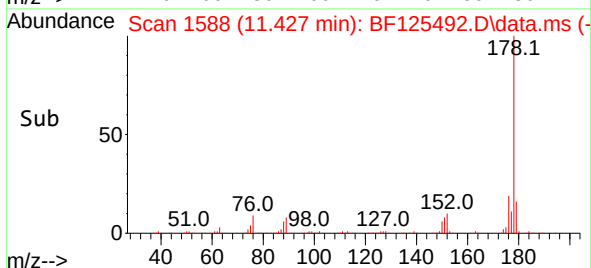
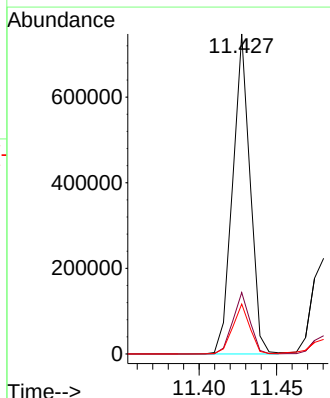
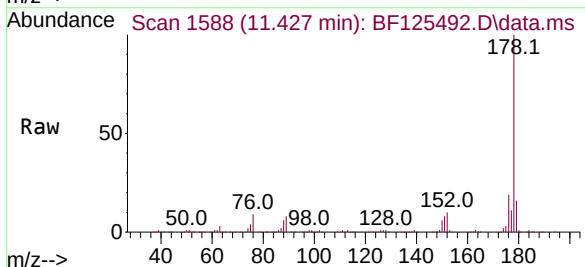
Instrument :
BNA_F
ClientSampleId :
SU-04-091021DL

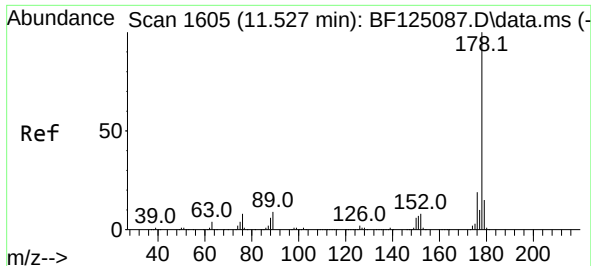
Tgt Ion:188 Resp: 422676
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.9 7.5 11.3



#71
Phenanthrene
Concen: 25.040 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion:178 Resp: 583169
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.6 11.5 17.3

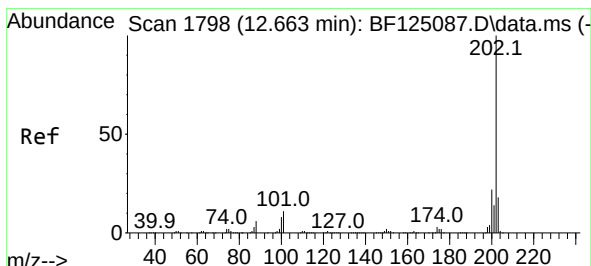
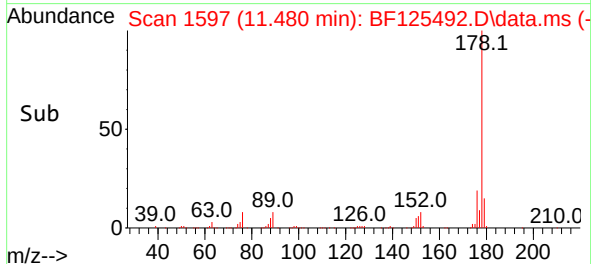
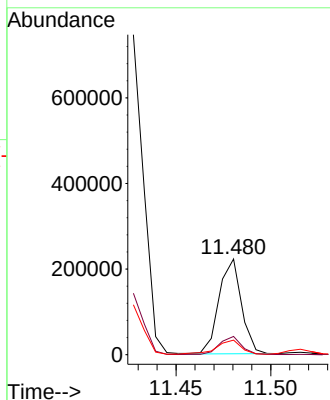
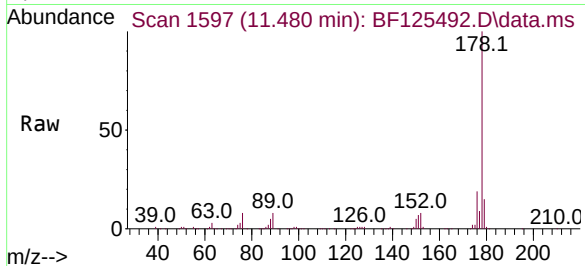




#72
 Anthracene
 Concen: 7.998 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. -0.012 min
 Lab File: BF125492.D
 Acq: 15 Sep 2021 00:56

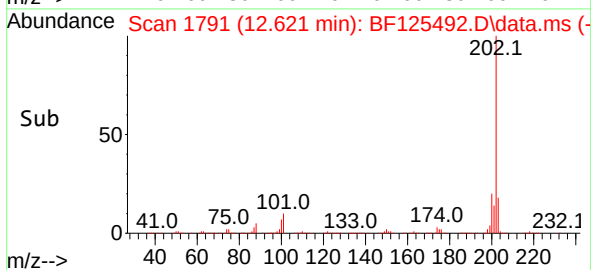
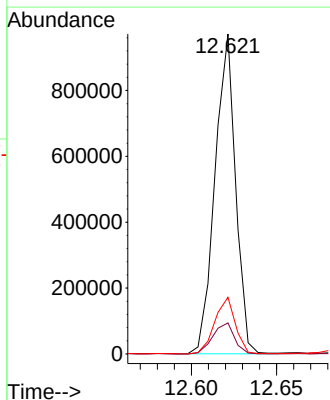
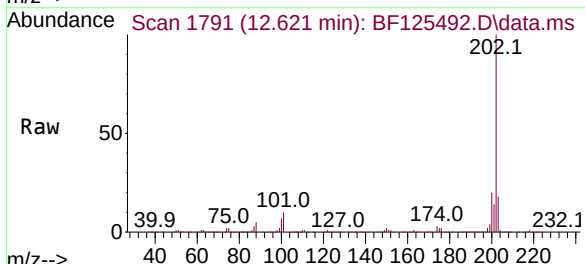
Instrument :
 BNA_F
 ClientSampleID :
 SU-04-091021DL

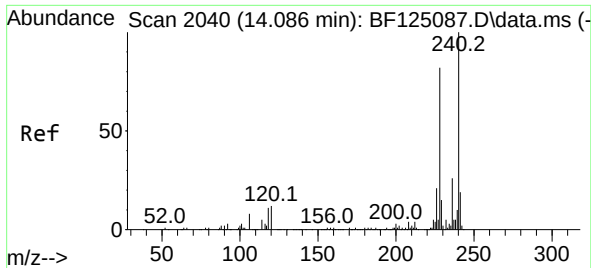
Tgt Ion:178 Resp: 183593
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.3 21.5
 179 15.3 12.2 18.4



#75
 Fluoranthene
 Concen: 35.406 ng
 RT: 12.621 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: BF125492.D
 Acq: 15 Sep 2021 00:56

Tgt Ion:202 Resp: 818193
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.7
 203 17.7 0.0 36.3

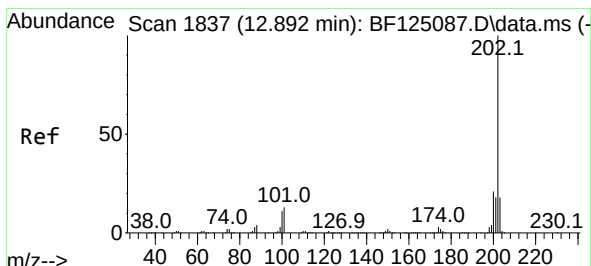
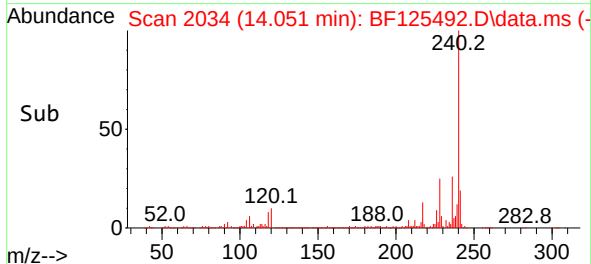
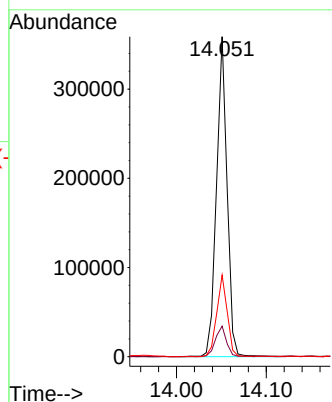
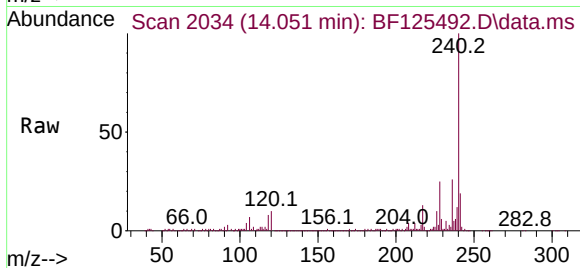




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

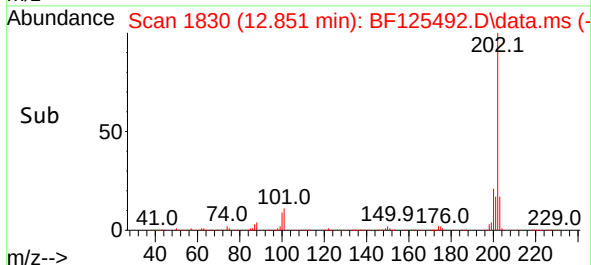
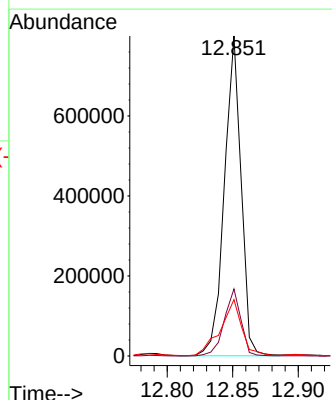
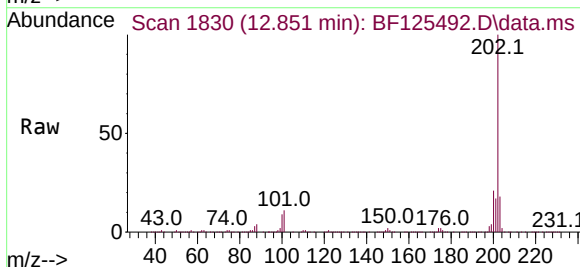
Instrument :
BNA_F
ClientSampleId :
SU-04-091021DL

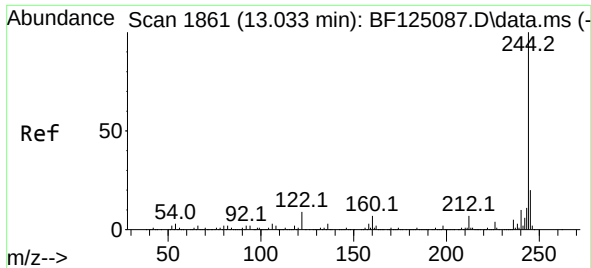
Tgt Ion:240 Resp: 293572
Ion Ratio Lower Upper
240 100
120 9.6 10.8 16.2#
236 25.5 21.6 32.4



#78
Pyrene
Concen: 28.023 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion:202 Resp: 705699
Ion Ratio Lower Upper
202 100
200 21.0 15.3 22.9
203 17.6 13.4 20.0

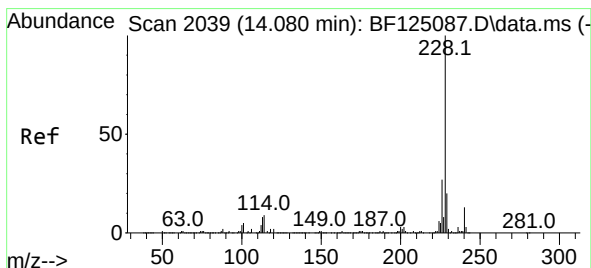
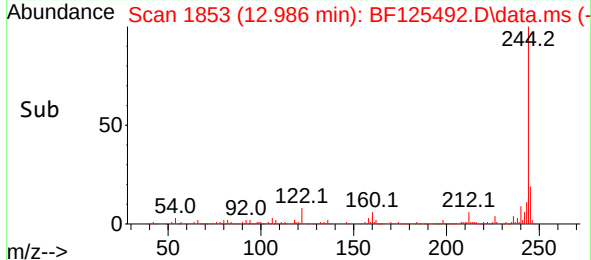
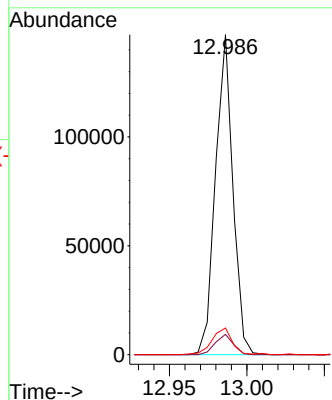
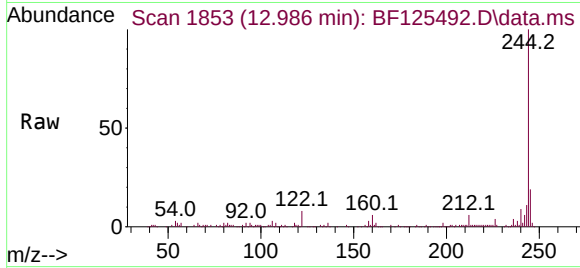




#79
 Terphenyl-d14
 Concen: 6.218 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. -0.012 min
 Lab File: BF125492.D
 Acq: 15 Sep 2021 00:56

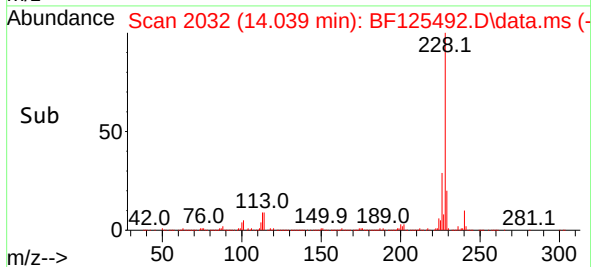
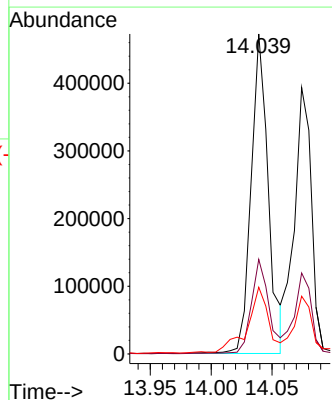
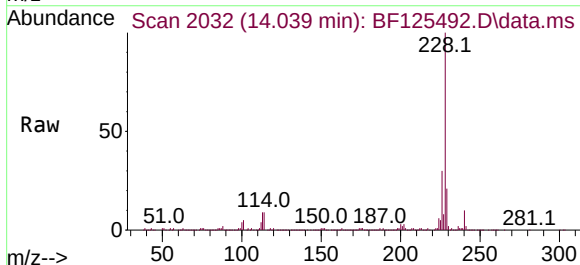
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-091021DL

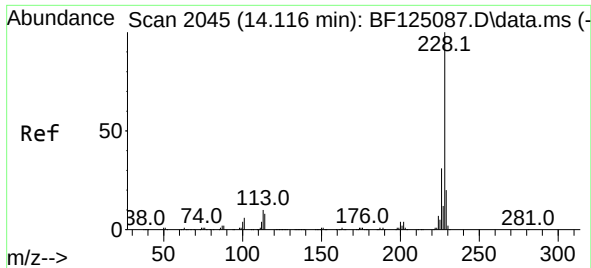
Tgt Ion:244 Resp: 114583
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.9 8.9
 122 8.4 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 21.931 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.012 min
 Lab File: BF125492.D
 Acq: 15 Sep 2021 00:56

Tgt Ion:228 Resp: 463890
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.6 32.4
 229 20.8 15.6 23.4

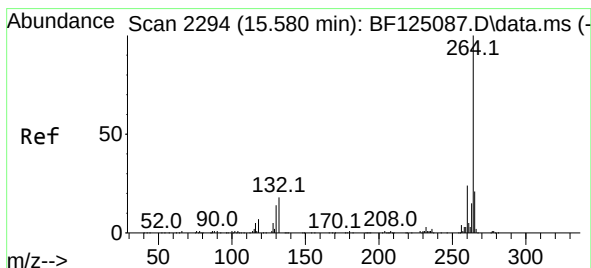
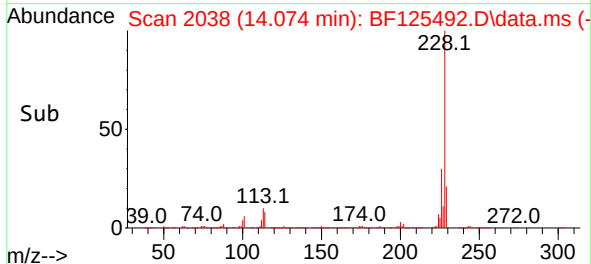
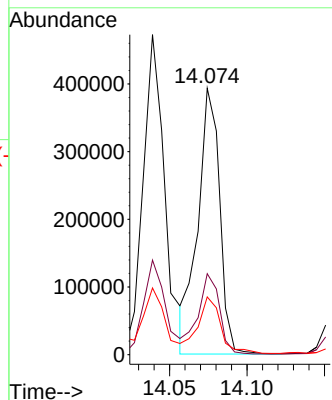
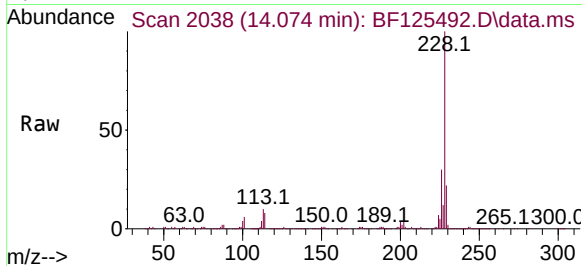




#83
Chrysene
Concen: 18.408 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

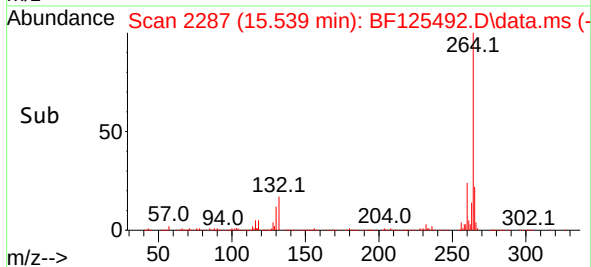
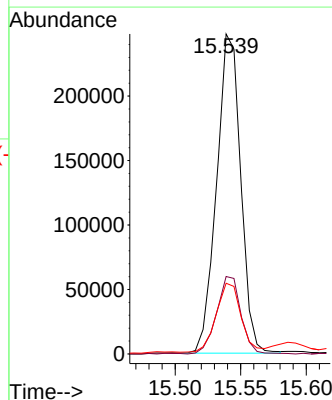
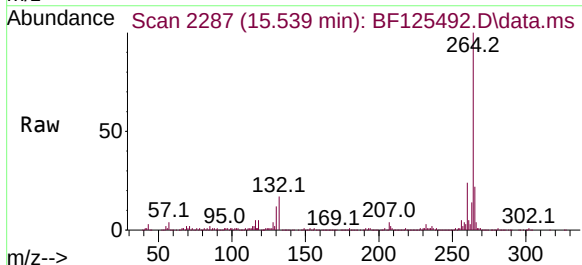
Instrument :
BNA_F
ClientSampleID :
SU-04-091021DL

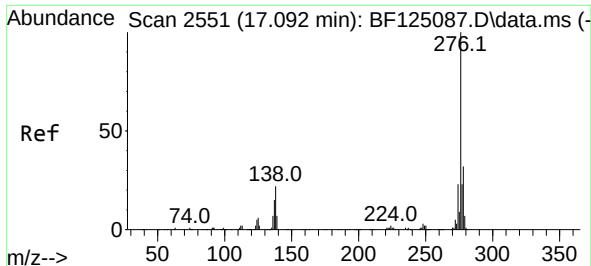
Tgt Ion:228	Resp:	385056
Ion Ratio	Lower	Upper
228	100	
226	30.4	22.6 34.0
229	21.7	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.012 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion:264	Resp:	315916
Ion Ratio	Lower	Upper
264	100	
260	24.2	19.6 29.4
265	22.1	17.2 25.8

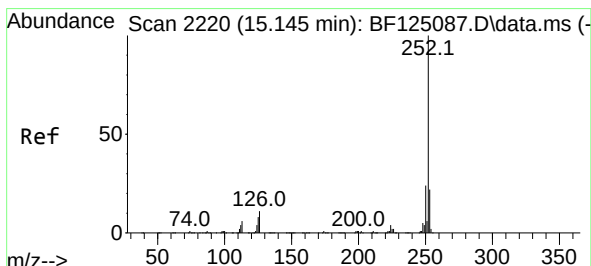
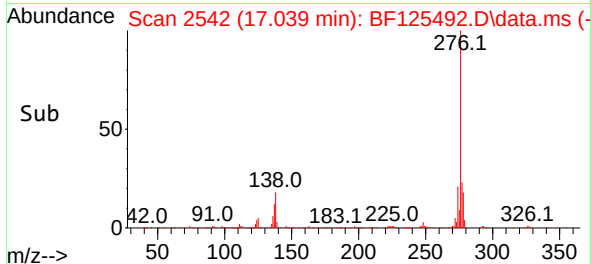
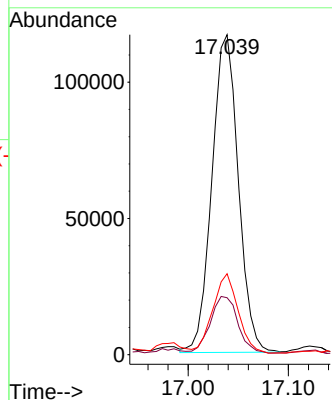
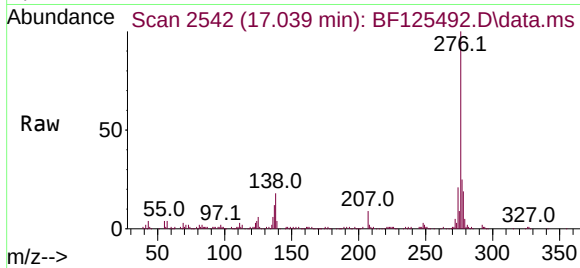




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.363 ng
RT: 17.039 min Scan# 2542
Delta R.T. -0.024 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

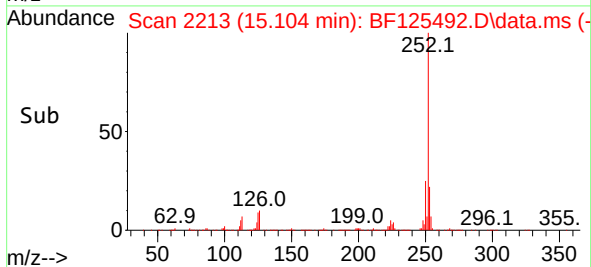
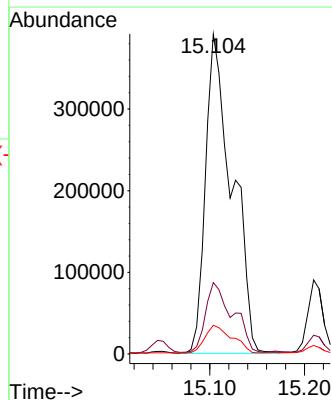
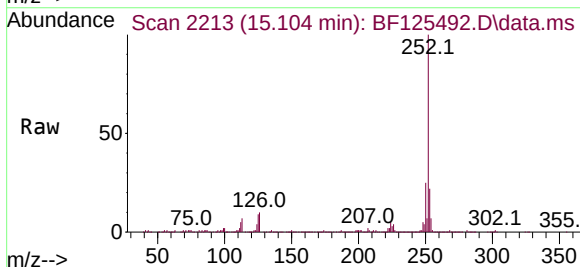
Instrument :
BNA_F
ClientSampleId :
SU-04-091021DL

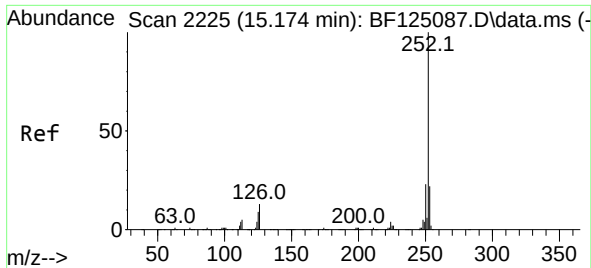
Tgt Ion:276 Resp: 213088
Ion Ratio Lower Upper
276 100
138 19.0 24.1 36.1#
277 23.8 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 33.112 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.012 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion:252 Resp: 764239
Ion Ratio Lower Upper
252 100
253 22.3 16.8 25.2
125 9.0 9.8 14.8#

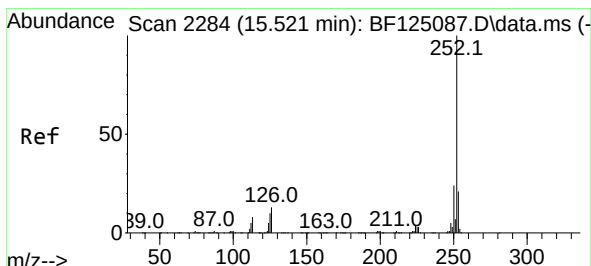
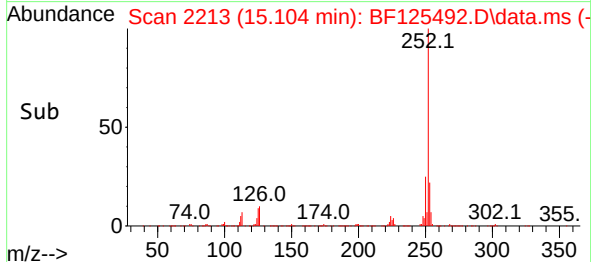
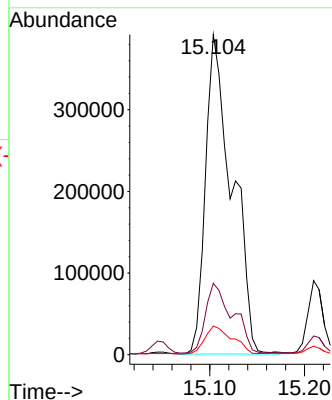
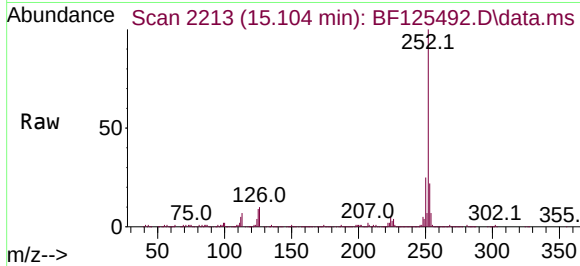




#89
Benzo(k)fluoranthene
Concen: 35.485 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.041 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

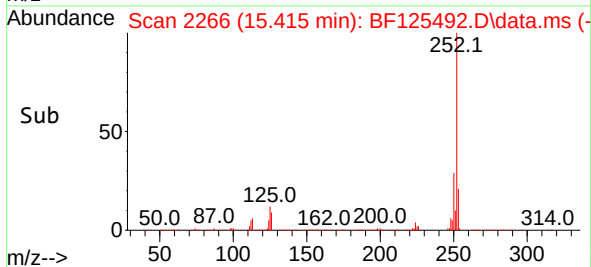
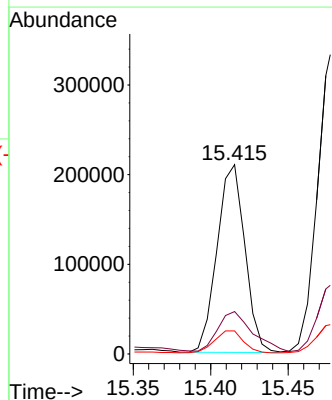
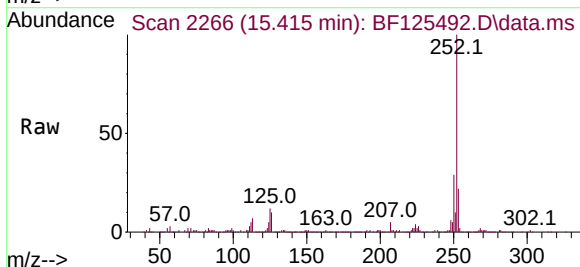
Instrument :
BNA_F
ClientSampleId :
SU-04-091021DL

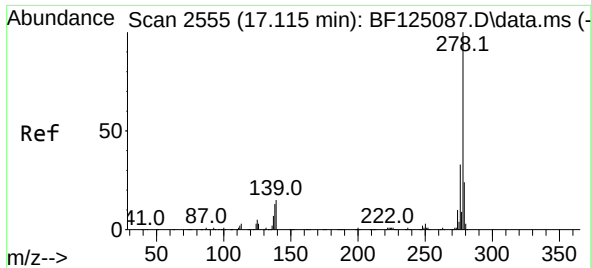
Tgt Ion:252 Resp: 764239
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 9.0 7.2 10.8



#90
Benzo(a)pyrene
Concen: 12.832 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.071 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion:252 Resp: 261619
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 12.2 9.9 14.9

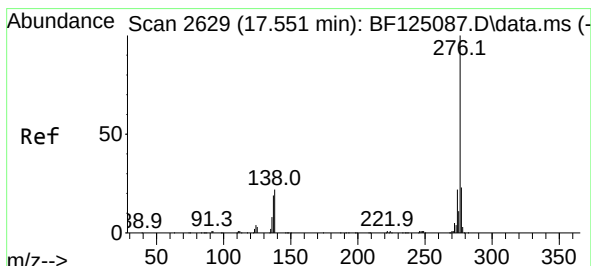
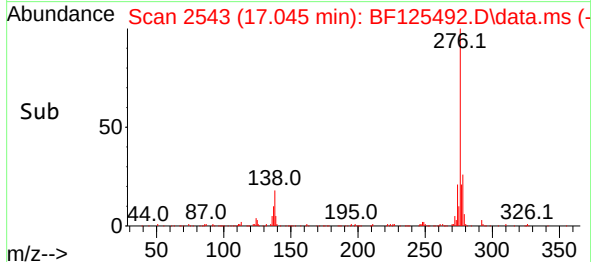
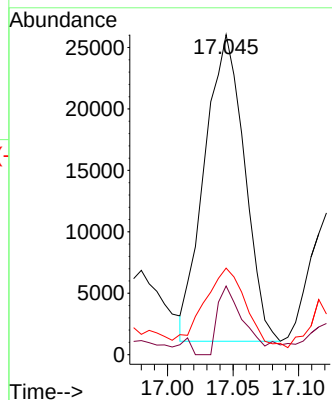
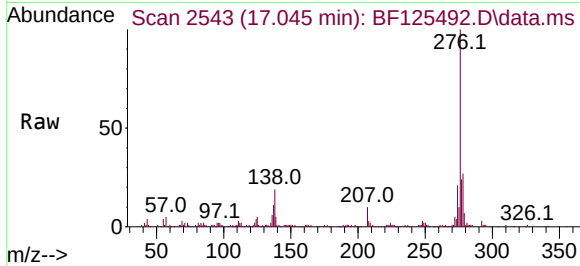




#91
Dibenzo(a,h)anthracene
Concen: 2.684 ng
RT: 17.045 min Scan# 2543
Delta R.T. -0.029 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Instrument :
BNA_F
ClientSampleId :
SU-04-091021DL

Tgt Ion:	278	Resp:	52807
Ion Ratio	Lower	Upper	
278	100		
139	21.5	14.9	22.3
279	27.1	19.7	29.5



#92
Benzo(g,h,i)perylene
Concen: 2.494 ng
RT: 17.733 min Scan# 2660
Delta R.T. 0.212 min
Lab File: BF125492.D
Acq: 15 Sep 2021 00:56

Tgt Ion:	276	Resp:	47306
Ion Ratio	Lower	Upper	
276	100		
277	25.4	22.0	33.0
138	25.6	22.2	33.4

