

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101921\
 Data File : BF125909.D
 Acq On : 19 Oct 2021 20:03
 Operator : JU/CG
 Sample : M4249-07DL 4X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-(S)DL

Quant Time: Oct 20 09:29:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 18 12:43:03 2021
 Response via : Initial Calibration

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

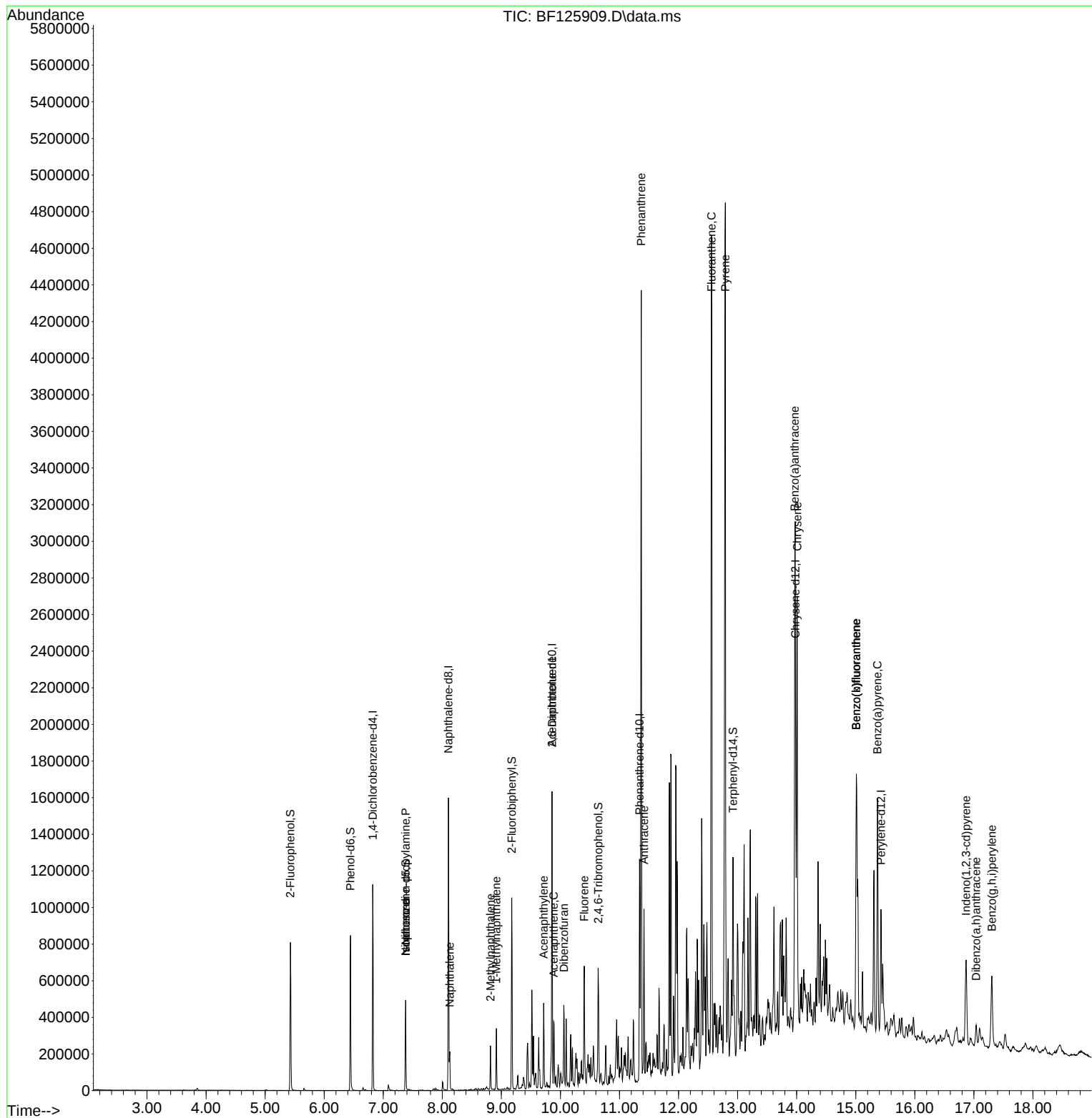
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	167236	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	659242	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	301146	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	465623	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	346751	20.000	ng	0.00
86) Perylene-d12	15.427	264	271676	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	234408	22.898	ng	-0.01
7) Phenol-d6	6.445	99	283369	21.502	ng	-0.01
23) Nitrobenzene-d5	7.381	82	149692	14.115	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	56820	19.110	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	313191	17.938	ng	0.00
79) Terphenyl-d14	12.921	244	281737	12.377	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	18153	2.609	ng	# 51
25) Isophorone	7.381	82	149691	7.967	ng	# 59
31) Naphthalene	8.128	128	85294	2.676	ng	98
37) 2-Methylnaphthalene	8.816	142	59052	2.861	ng	98
38) 1-Methylnaphthalene	8.916	142	78124	3.900	ng	98
49) Acenaphthylene	9.716	152	146711	5.573	ng	# 97
51) 2,6-Dinitrotoluene	9.857	165	47271	11.797	ng	# 28
52) Acenaphthene	9.886	154	71522	4.348	ng	98
55) Dibenzofuran	10.063	168	65948	2.676	ng	# 88
58) Fluorene	10.404	166	165204	9.154	ng	98
71) Phenanthrene	11.369	178	1573971	63.179	ng	97
72) Anthracene	11.416	178	323422	12.998	ng	100
75) Fluoranthene	12.557	202	1926399	85.696	ng	95
78) Pyrene	12.792	202	2201612	62.497	ng	95
81) Benzo(a)anthracene	13.968	228	1063061	47.254	ng	94
83) Chrysene	14.010	228	976102	43.897	ng	96
87) Indeno(1,2,3-cd)pyrene	16.868	276	301096	14.521	ng	94
88) Benzo(b)fluoranthene	15.010	252	1080299	70.433	ng	97
89) Benzo(k)fluoranthene	15.010	252	1080299	68.601	ng	# 97
90) Benzo(a)pyrene	15.368	252	593708	43.710	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	74670	4.366	ng	94
92) Benzo(g,h,i)perylene	17.304	276	293424	16.799	ng	95

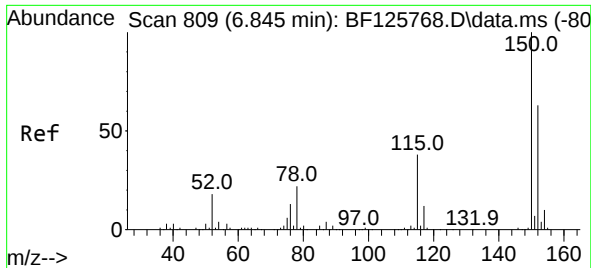
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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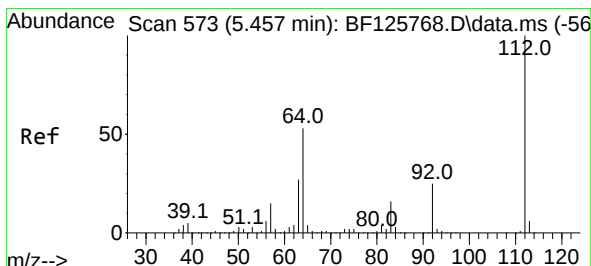
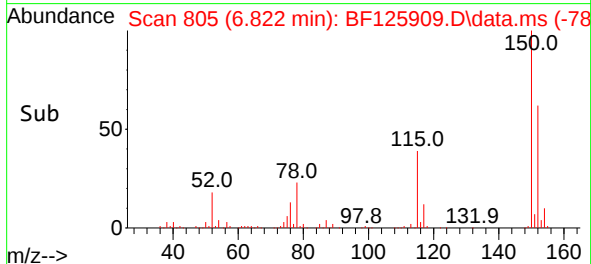
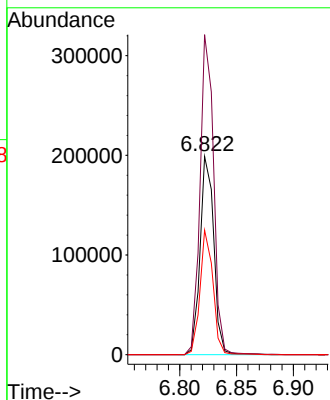
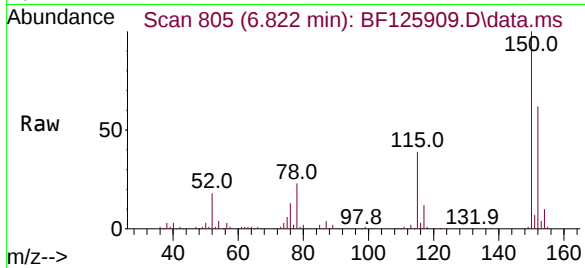




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

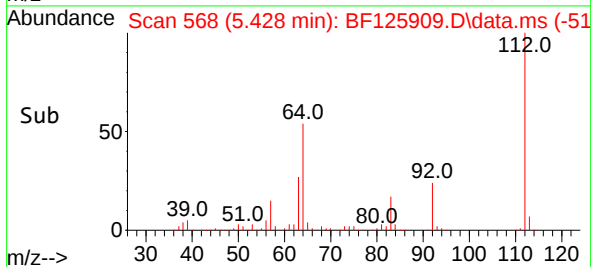
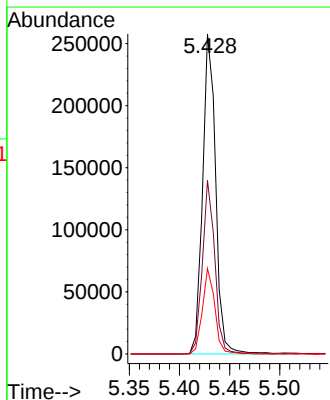
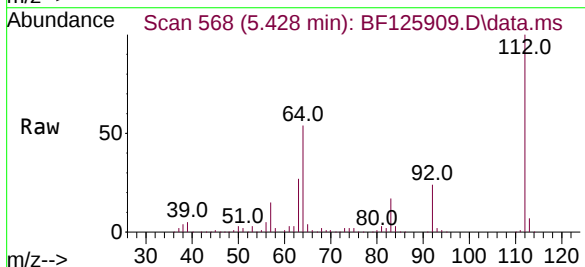
Instrument :
BNA_F
ClientSampleId :
TP2-(S)DL

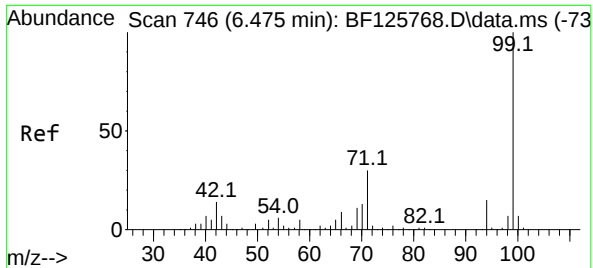
Tgt Ion:152 Resp: 167236
Ion Ratio Lower Upper
152 100
150 161.4 117.6 176.4
115 62.7 47.1 70.7



#5
2-Fluorophenol
Concen: 22.898 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:112 Resp: 234408
Ion Ratio Lower Upper
112 100
64 54.3 44.2 66.2
63 26.7 26.2 39.2

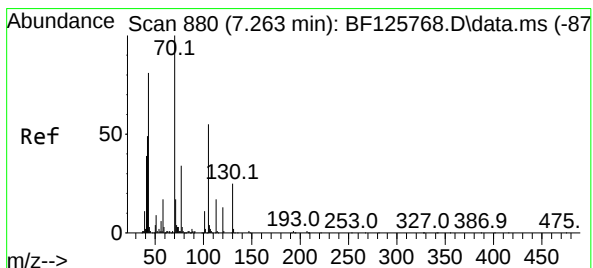
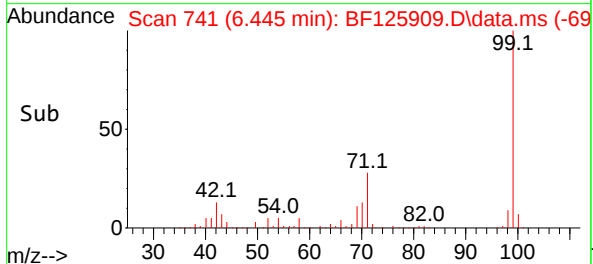
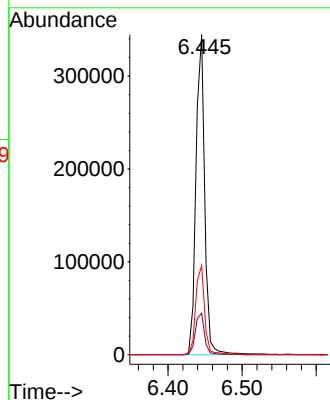
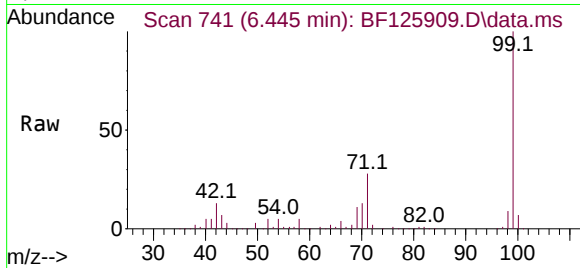




#7
Phenol-d6
Concen: 21.502 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

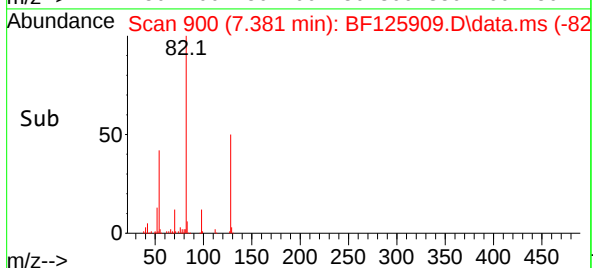
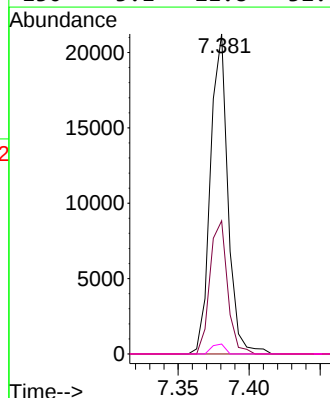
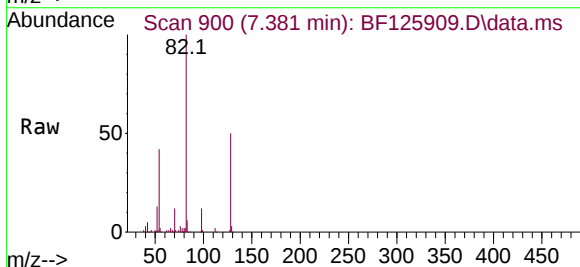
Instrument :
BNA_F
ClientSampleId :
TP2-(S)DL

Tgt Ion: 99 Resp: 283369
Ion Ratio Lower Upper
99 100
42 12.9 23.5 35.3#
71 27.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.609 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion: 70 Resp: 18153
Ion Ratio Lower Upper
70 100
42 41.6 72.2 108.2#
101 0.0 7.8 11.8#
130 3.1 21.8 32.6#

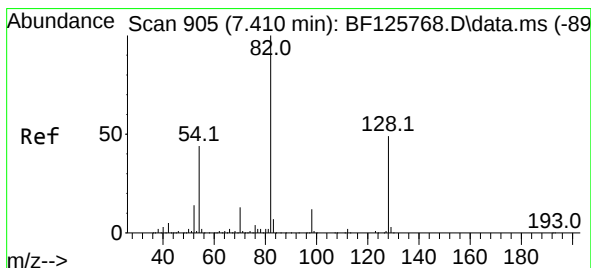
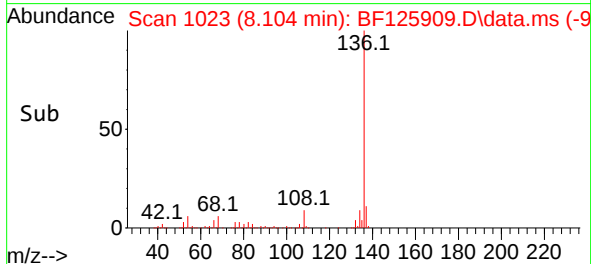
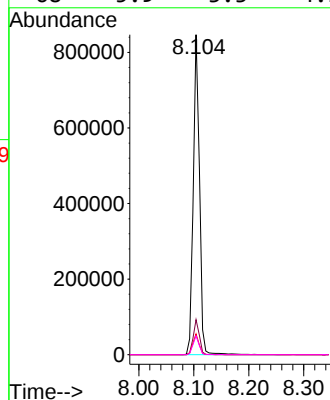
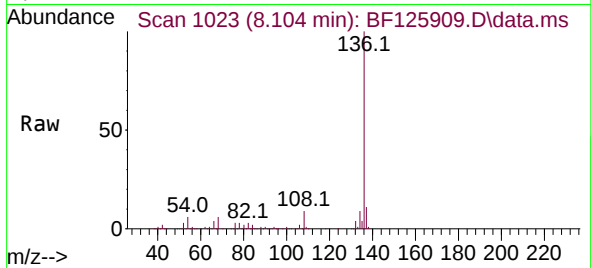




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

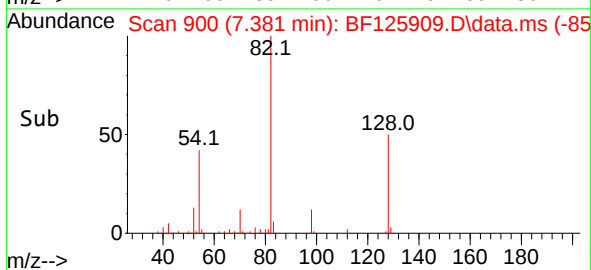
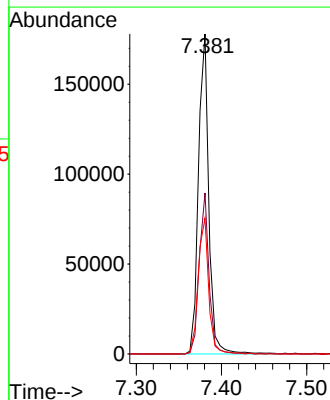
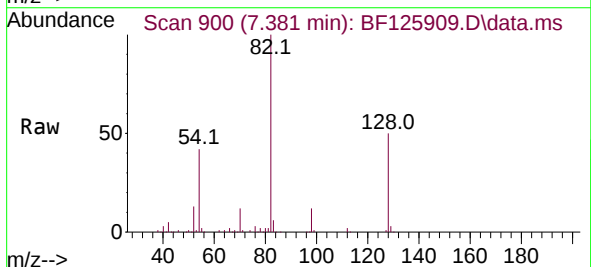
Instrument :
BNA_F
ClientSampleId :
TP2-(S)DL

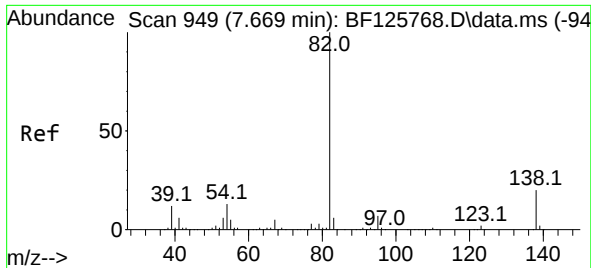
Tgt Ion:	136	Resp:	659242
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.8	14.6
54	6.5	6.4	9.6
68	5.9	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 14.115 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:	82	Resp:	149692
Ion Ratio	Lower	Upper	
82	100		
128	50.3	40.6	60.8
54	42.4	49.6	74.4#

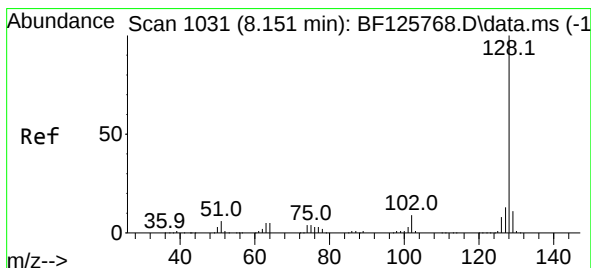
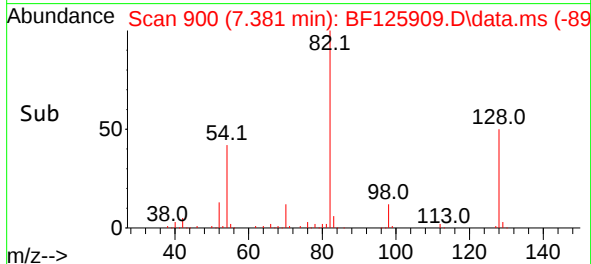
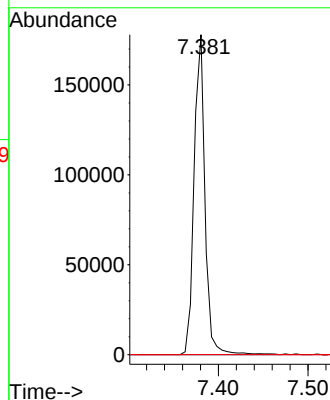
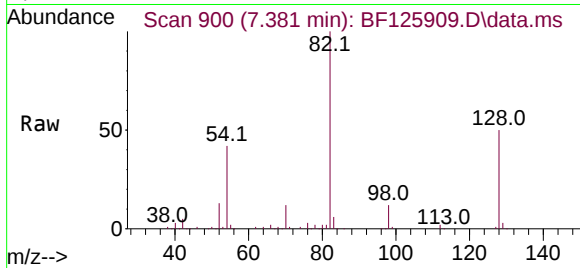




#25
Isophorone
Concen: 7.967 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.271 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

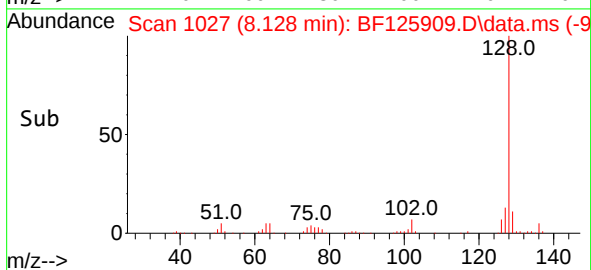
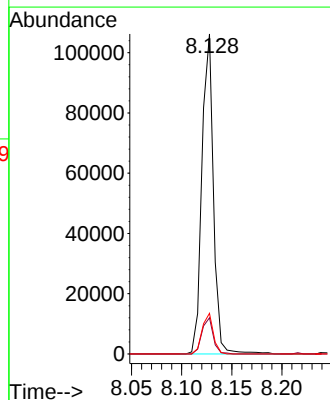
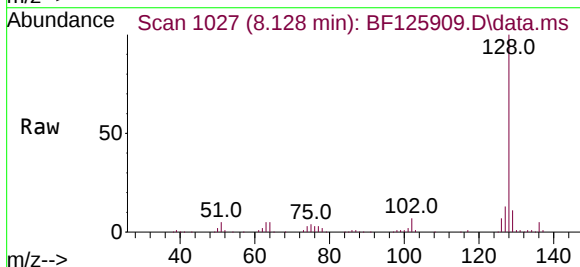
Instrument :
BNA_F
ClientSampleId :
TP2-(S)DL

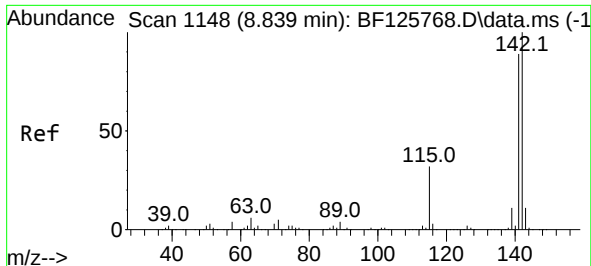
Tgt Ion: 82 Resp: 149691
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 2.676 ng
RT: 8.128 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion: 128 Resp: 85294
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.0
127 12.7 10.9 16.3





#37

2-Methylnaphthalene

Concen: 2.861 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF125909.D

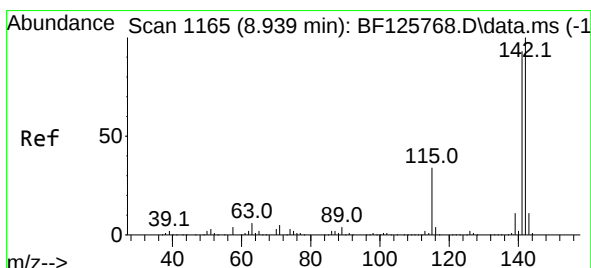
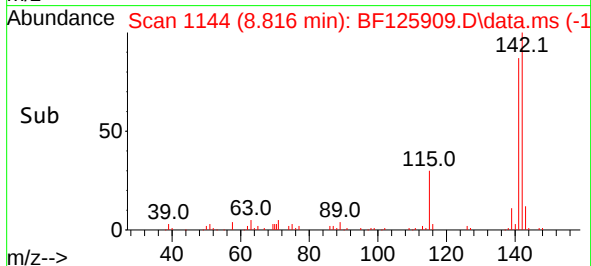
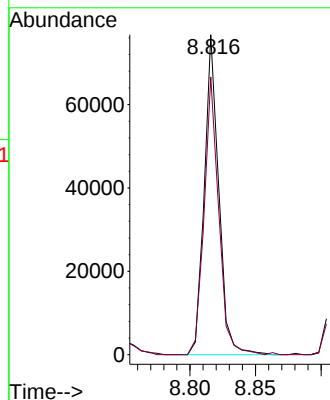
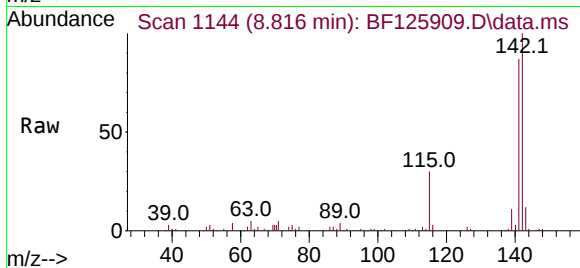
Acq: 19 Oct 2021 20:03

Tgt Ion:142 Resp: 59052

Ion Ratio Lower Upper

142 100

141 86.8 71.2 106.8



#38

1-Methylnaphthalene

Concen: 3.900 ng

RT: 8.916 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF125909.D

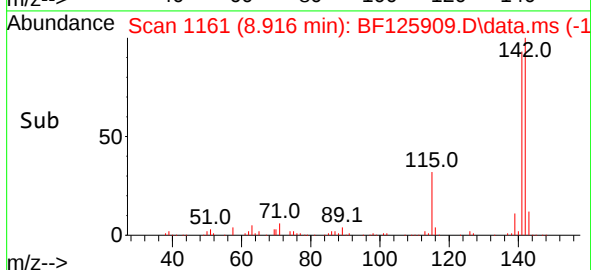
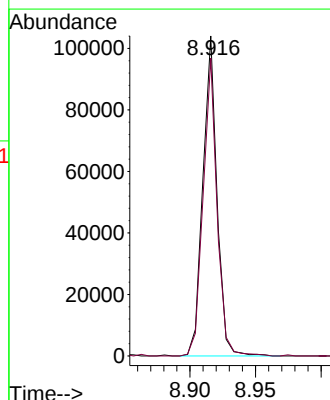
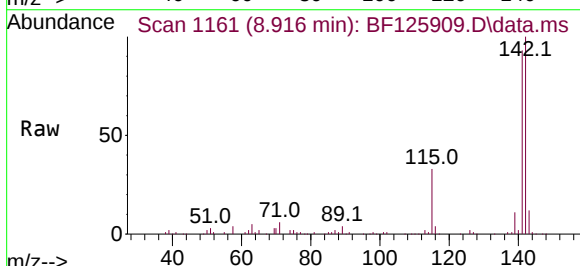
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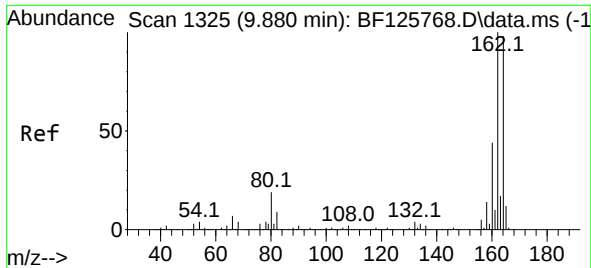
Tgt Ion:142 Resp: 78124

Ion Ratio Lower Upper

142 100

141 93.0 76.0 114.0

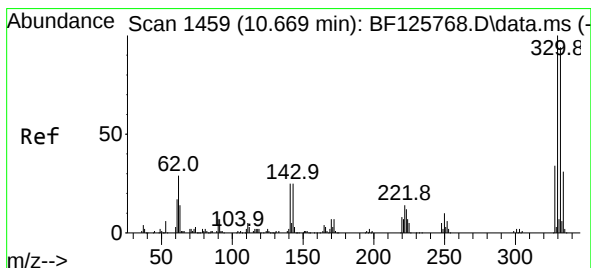
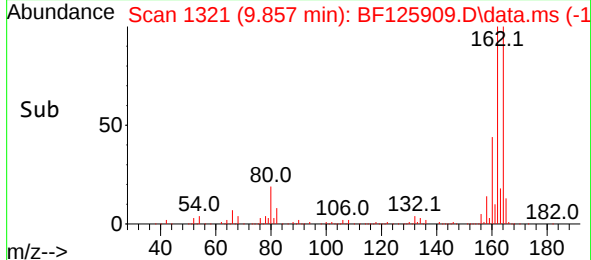
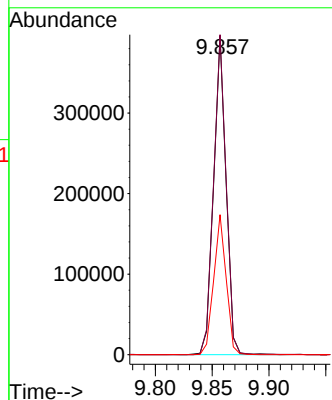
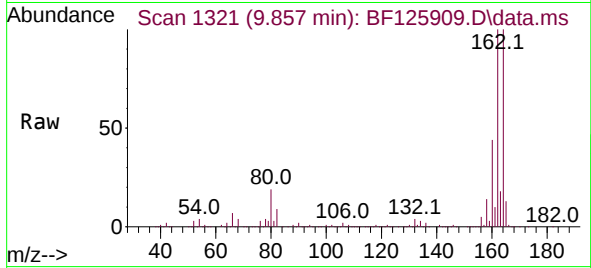




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

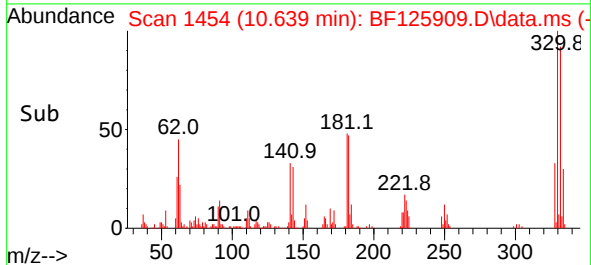
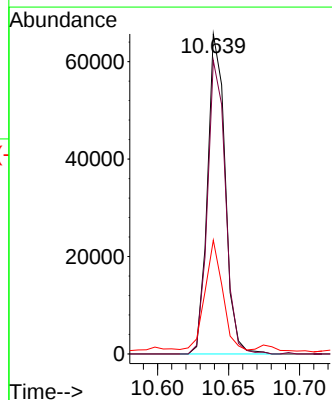
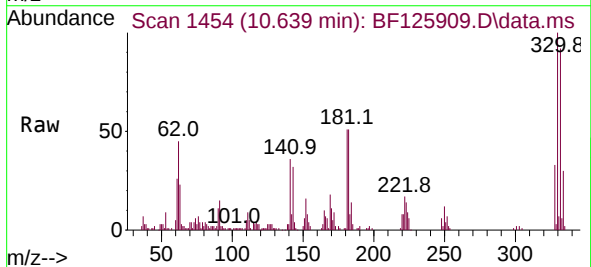
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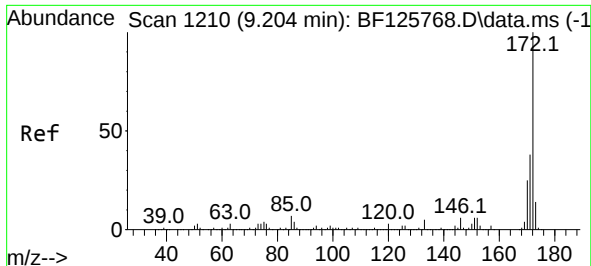
Tgt Ion:164	Resp: 301146
Ion Ratio	Lower Upper
164	100
162	100.4 81.3 121.9
160	43.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 19.110 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:330	Resp: 56820
Ion Ratio	Lower Upper
330	100
332	93.3 76.2 114.4
141	34.1 44.6 66.8#

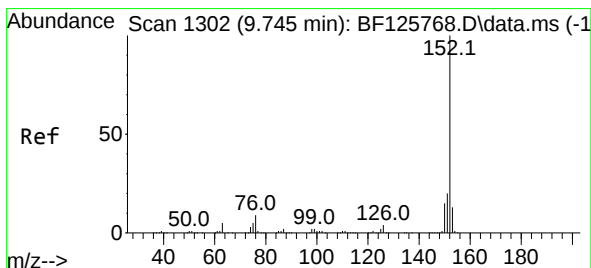
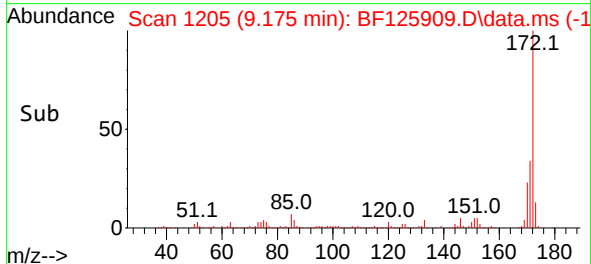
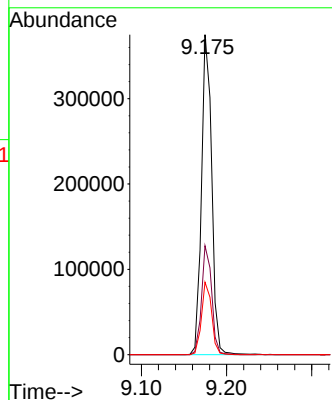
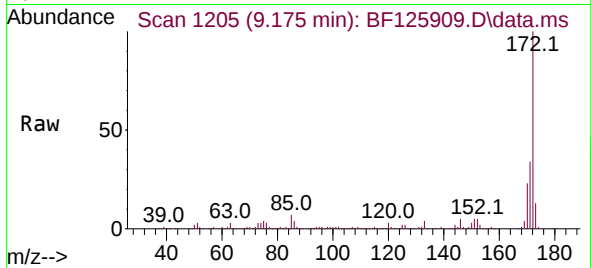




#45
2-Fluorobiphenyl
Concen: 17.938 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

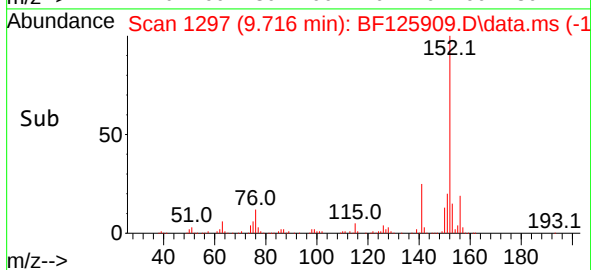
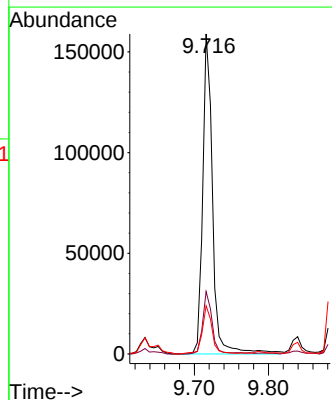
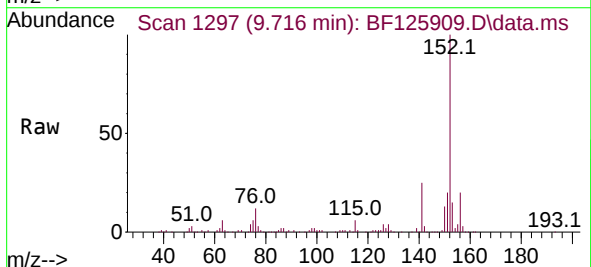
Instrument :
BNA_F
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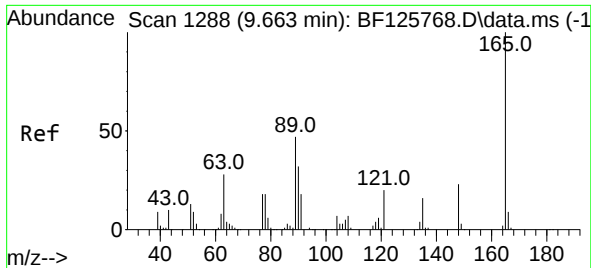
Tgt Ion:172 Resp: 313191
Ion Ratio Lower Upper
172 100
171 34.0 26.5 39.7
170 22.6 18.8 28.2



#49
Acenaphthylene
Concen: 5.573 ng
RT: 9.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:152 Resp: 146711
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 15.0 9.8 14.8#

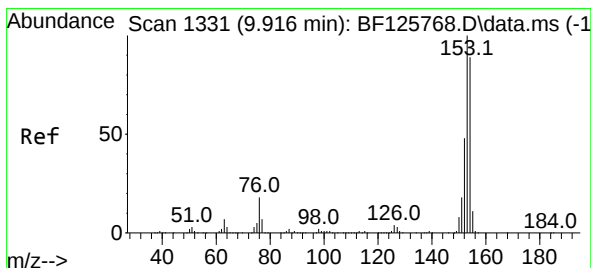
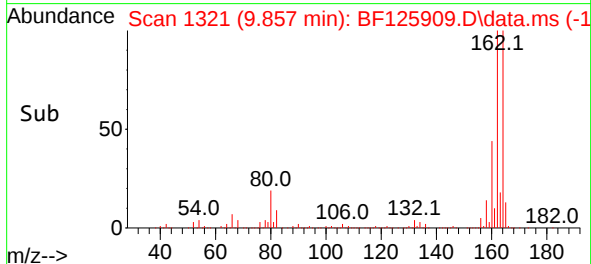
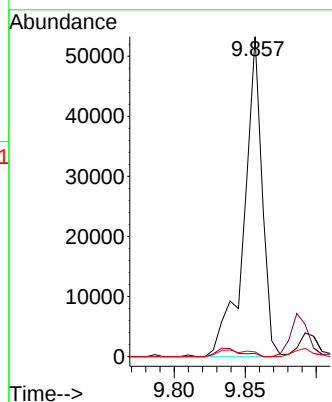
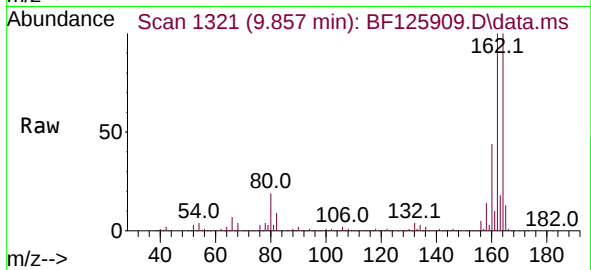




#51
2,6-Dinitrotoluene
Concen: 11.797 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.218 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

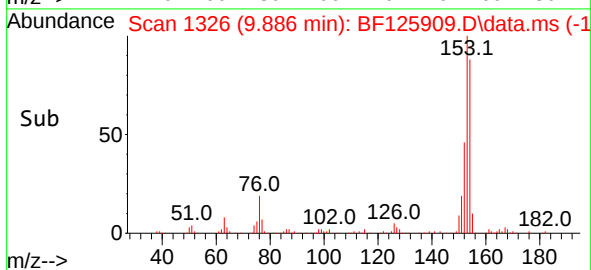
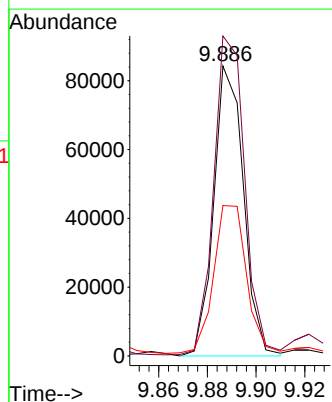
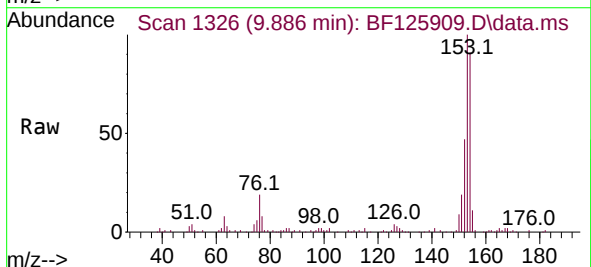
Instrument :
BNA_F
ClientSampled :
TP2-(S)DL

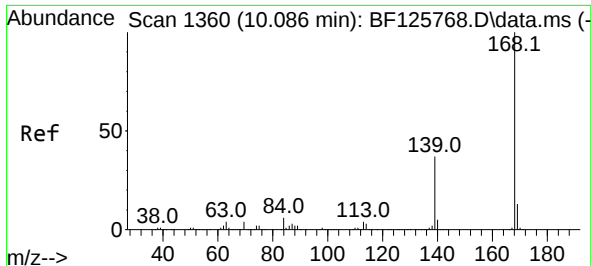
Tgt Ion:165 Resp: 47271
Ion Ratio Lower Upper
165 100
63 1.0 42.6 63.8#
89 1.5 40.6 60.8#



#52
Acenaphthene
Concen: 4.348 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:154 Resp: 71522
Ion Ratio Lower Upper
154 100
153 110.3 89.4 134.2
152 51.9 40.5 60.7

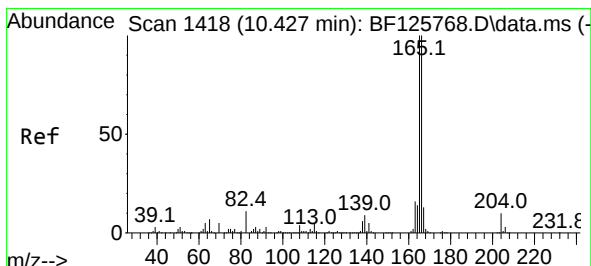
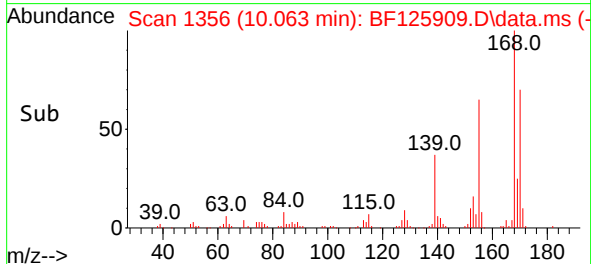
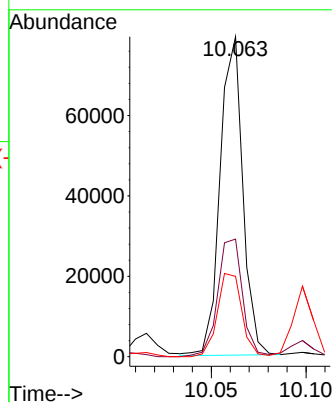
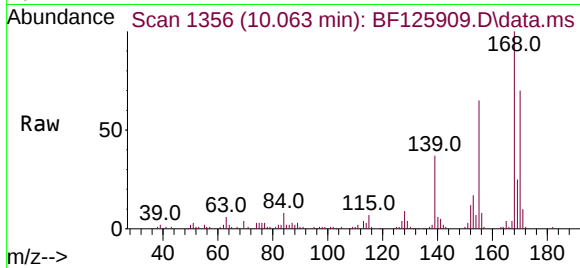




#55
Dibenzofuran
Concen: 2.676 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

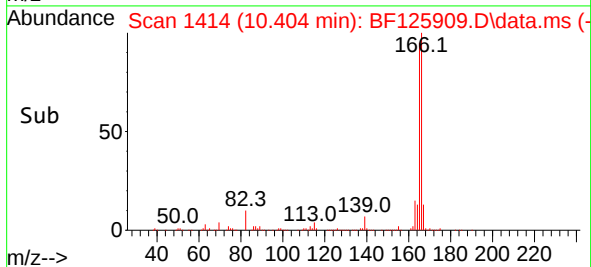
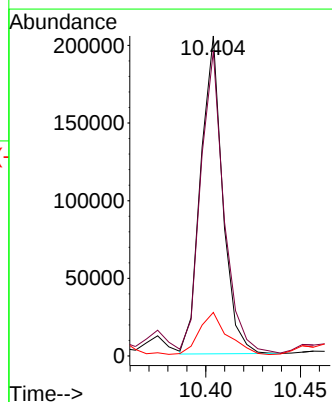
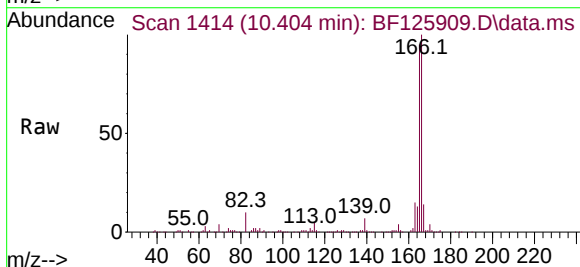
Instrument :
BNA_F
ClientSampleID :
TP2-(S)DL

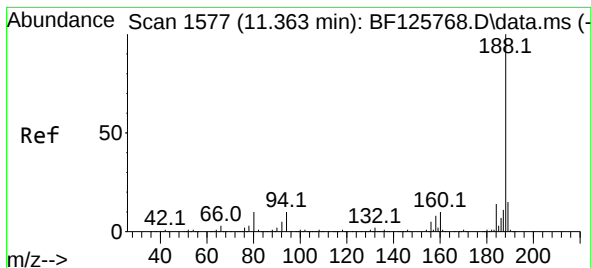
Tgt Ion:168 Resp: 65948
Ion Ratio Lower Upper
168 100
139 36.8 32.7 49.1
169 25.1 11.2 16.8#



#58
Fluorene
Concen: 9.154 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:166 Resp: 165204
Ion Ratio Lower Upper
166 100
165 95.2 78.1 117.1
167 13.6 11.1 16.7

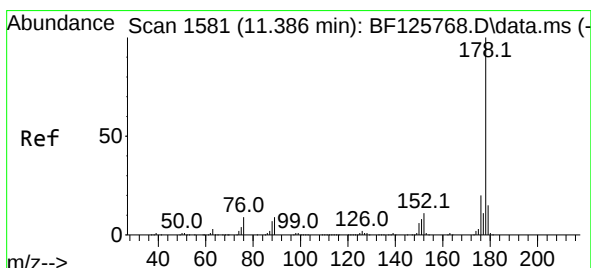
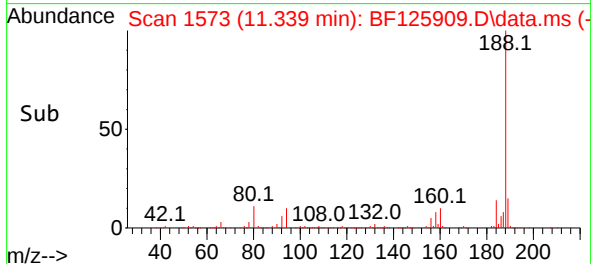
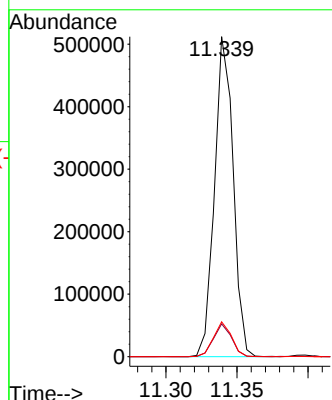
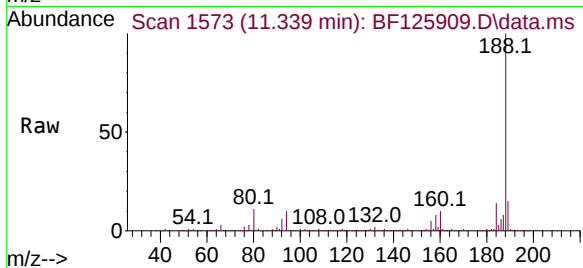




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

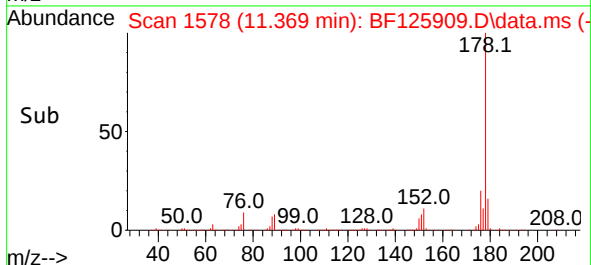
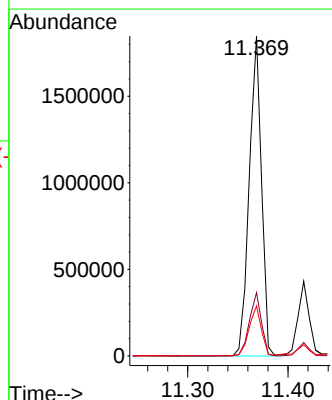
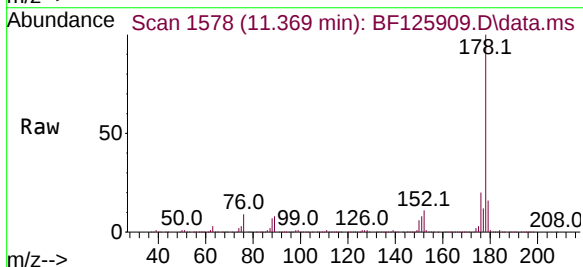
Instrument :
BNA_F
ClientSampleID :
TP2-(S)DL

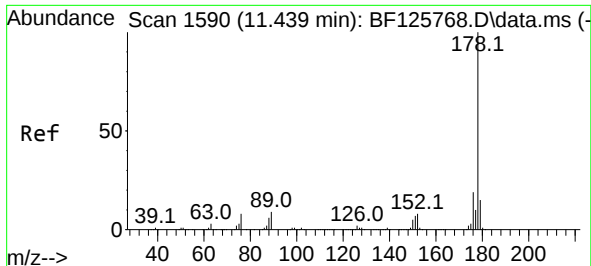
Tgt Ion:188 Resp: 465623
Ion Ratio Lower Upper
188 100
94 10.3 6.7 10.1#
80 10.9 7.5 11.3



#71
Phenanthrene
Concen: 63.179 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:178 Resp: 1573971
Ion Ratio Lower Upper
178 100
176 19.8 14.7 22.1
179 15.7 11.5 17.3

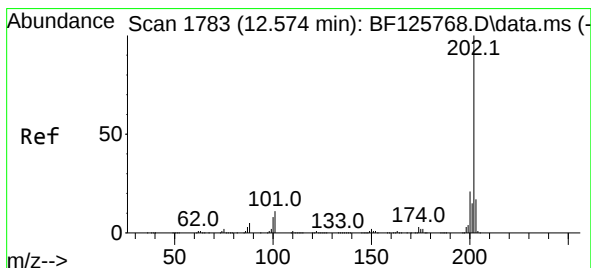
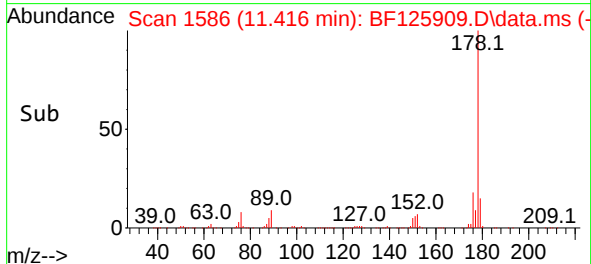
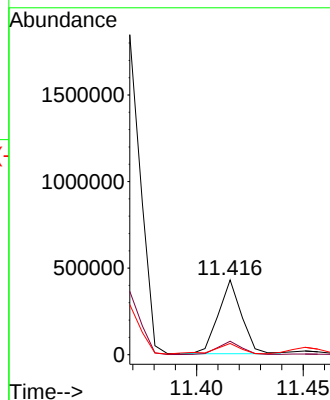
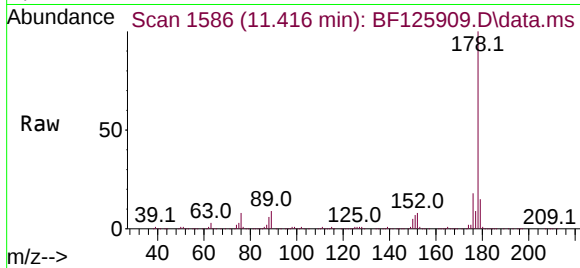




#72
 Anthracene
 Concen: 12.998 ng
 RT: 11.416 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF125909.D
 Acq: 19 Oct 2021 20:03

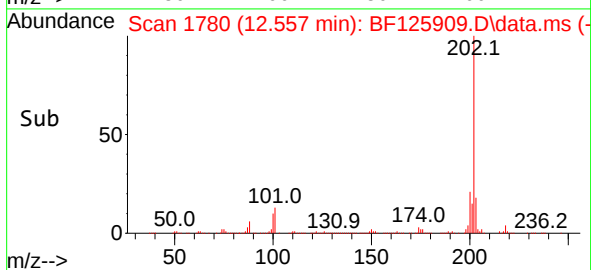
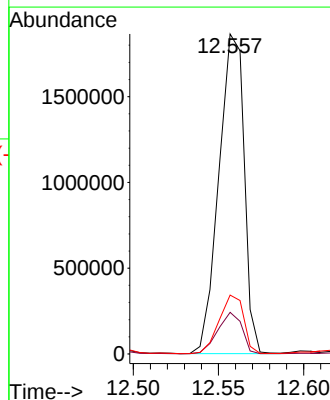
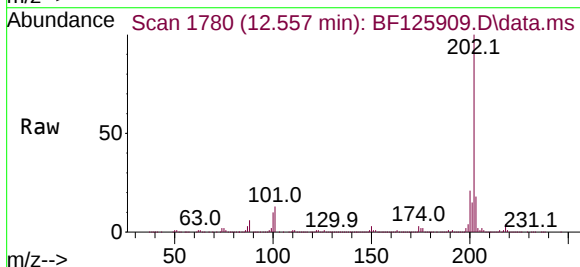
Instrument :
 BNA_F
 ClientSampleID :
 TP2-(S)DL

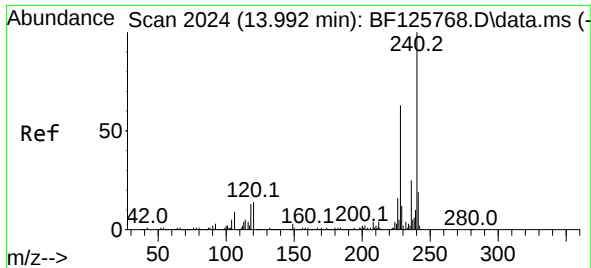
Tgt Ion:178 Resp: 323422
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.3 21.5
 179 15.1 12.2 18.4



#75
 Fluoranthene
 Concen: 85.696 ng
 RT: 12.557 min Scan# 1780
 Delta R.T. 0.006 min
 Lab File: BF125909.D
 Acq: 19 Oct 2021 20:03

Tgt Ion:202 Resp: 1926399
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 30.7
 203 18.4 0.0 36.3

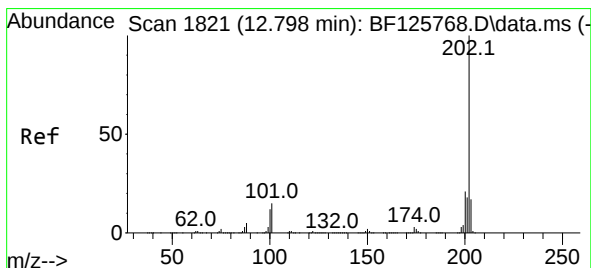
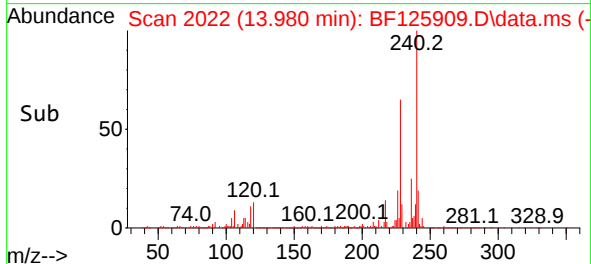
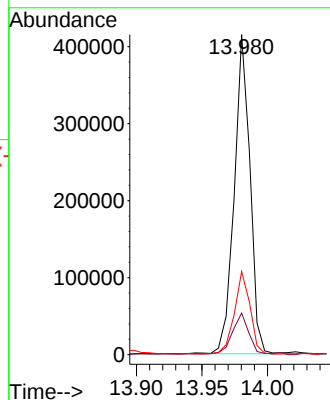
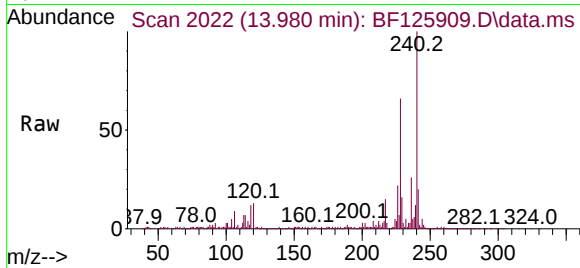




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

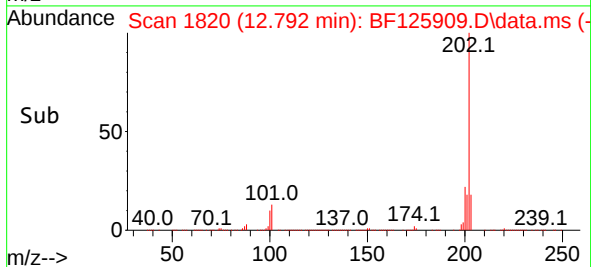
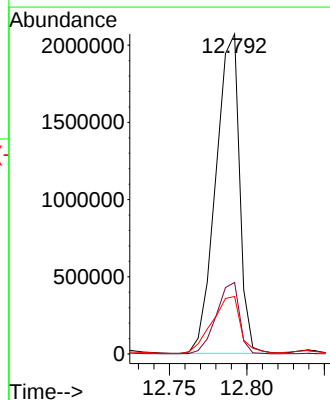
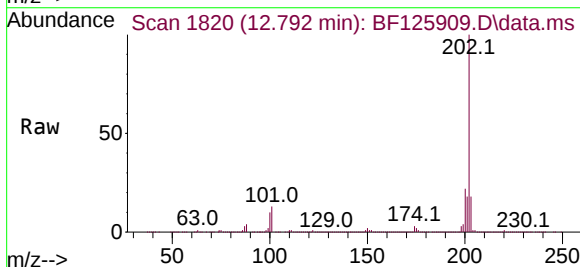
Instrument :
BNA_F
ClientSampleId :
TP2-(S)DL

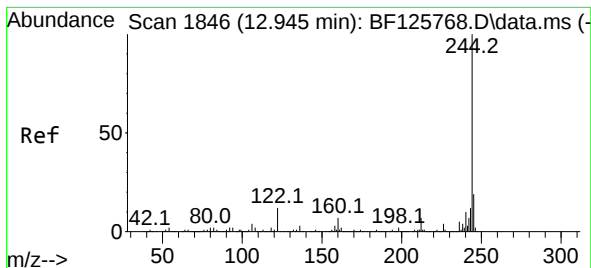
Tgt Ion:240 Resp: 346751
Ion Ratio Lower Upper
240 100
120 13.0 10.8 16.2
236 26.0 21.6 32.4



#78
Pyrene
Concen: 62.497 ng
RT: 12.792 min Scan# 1820
Delta R.T. 0.012 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:202 Resp: 2201612
Ion Ratio Lower Upper
202 100
200 22.4 15.3 22.9
203 18.0 13.4 20.0





#79

Terphenyl-d14

Concen: 12.377 ng

RT: 12.921 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF125909.D

Acq: 19 Oct 2021 20:03

Tgt Ion:244 Resp: 281737

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

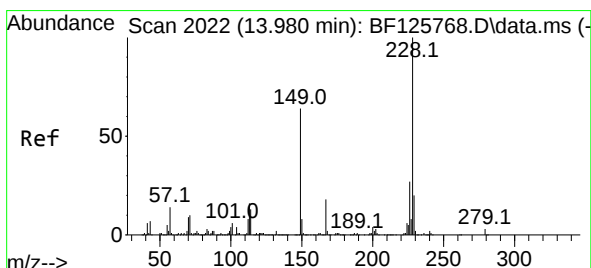
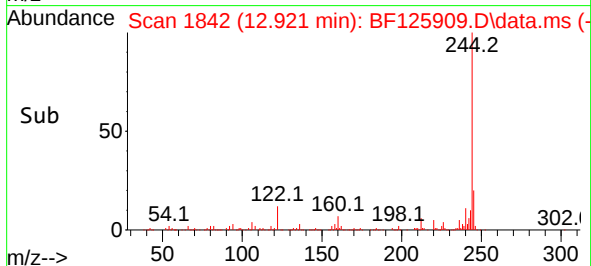
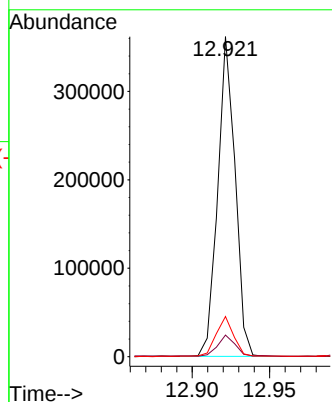
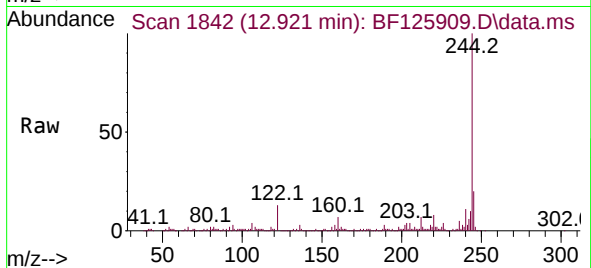
122 12.6 9.0 13.4

Instrument :

BNA_F

ClientSampleId :

TP2-(S)DL



#81

Benzo(a)anthracene

Concen: 47.254 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF125909.D

Acq: 19 Oct 2021 20:03

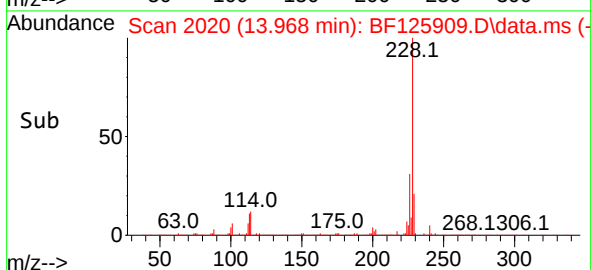
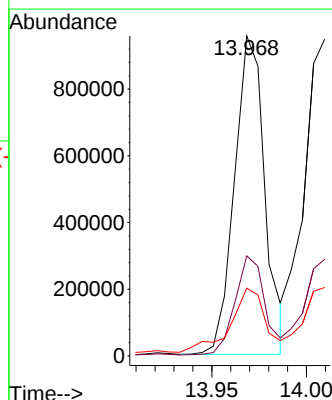
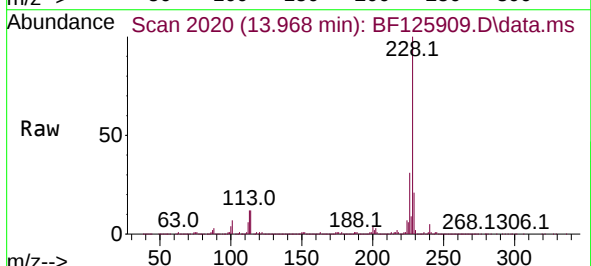
Tgt Ion:228 Resp: 1063061

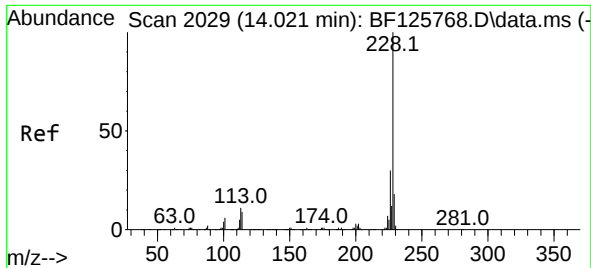
Ion Ratio Lower Upper

228 100

226 31.3 21.6 32.4

229 21.2 15.6 23.4

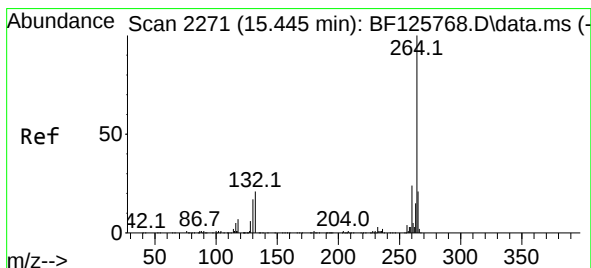
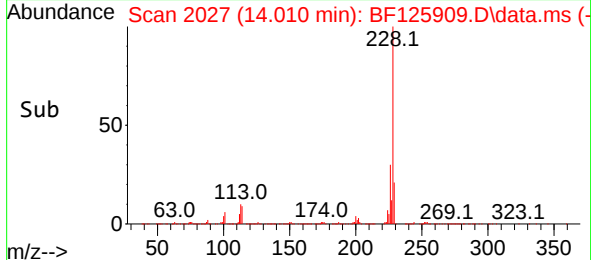
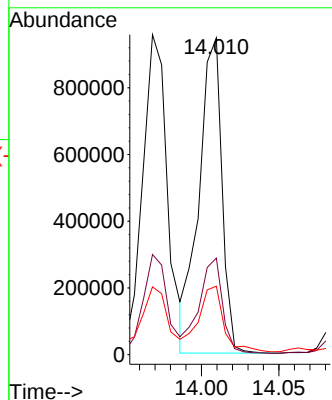
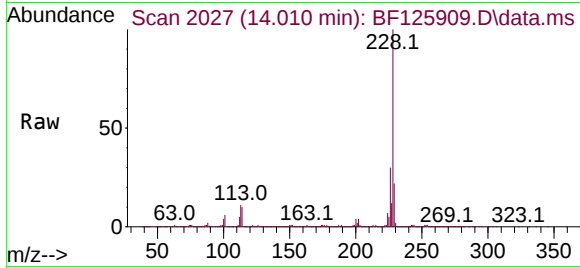




#83
Chrysene
Concen: 43.897 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

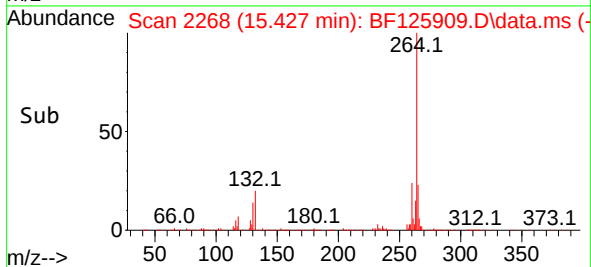
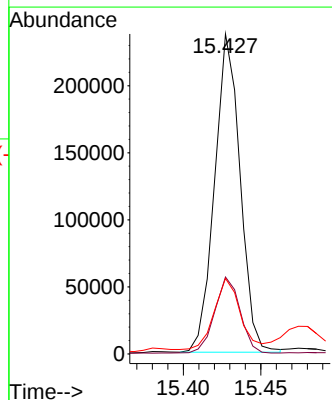
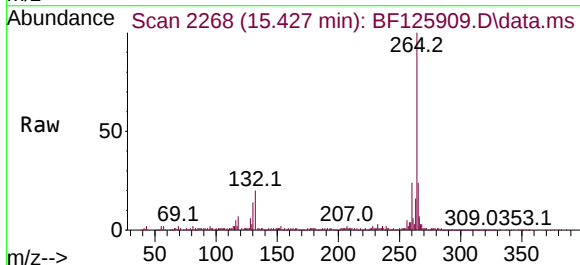
Instrument :
BNA_F
ClientSampleID :
TP2-(S)DL

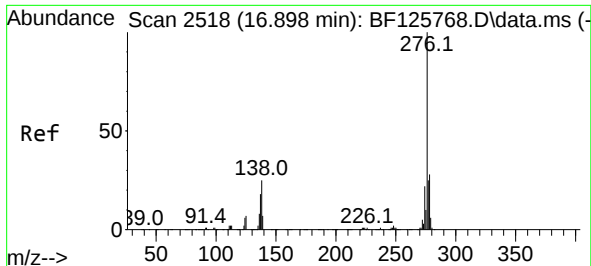
Tgt Ion:228 Resp: 976102
Ion Ratio Lower Upper
228 100
226 30.5 22.6 34.0
229 21.6 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:264 Resp: 271676
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 23.6 17.2 25.8

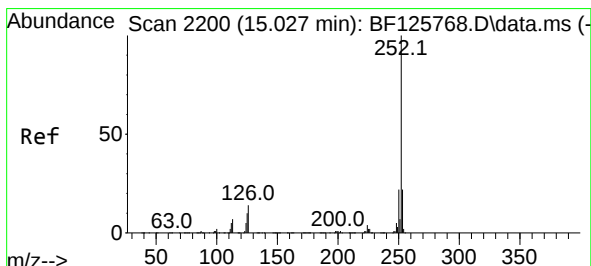
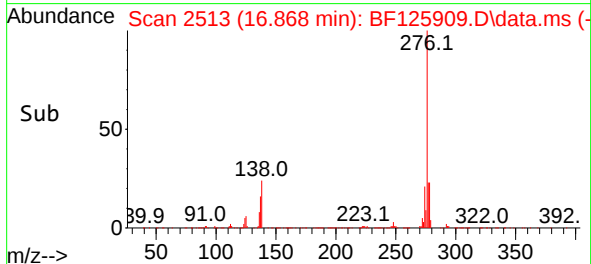
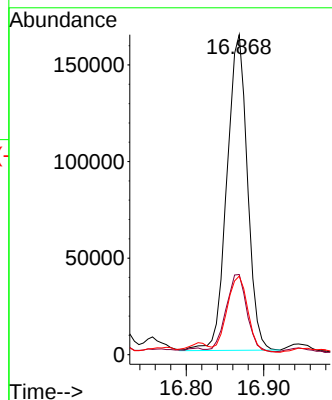
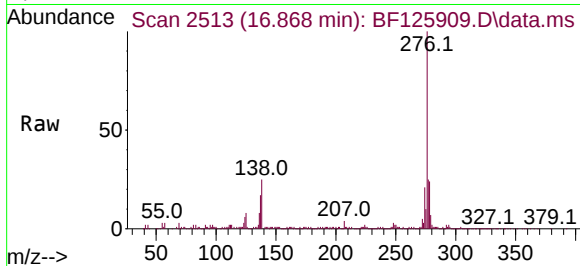




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.521 ng
 RT: 16.868 min Scan# 2513
 Delta R.T. 0.006 min
 Lab File: BF125909.D
 Acq: 19 Oct 2021 20:03

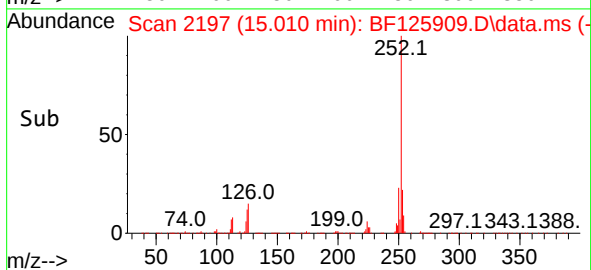
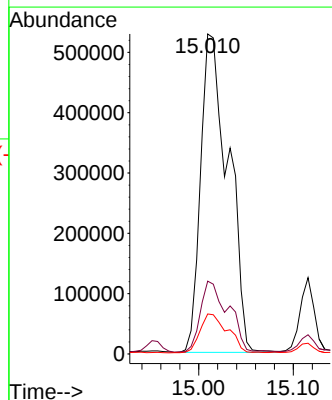
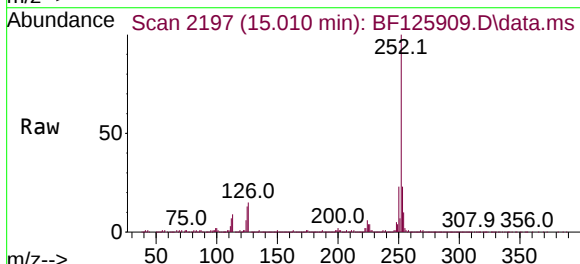
Instrument :
 BNA_F
 ClientSampleID :
 TP2-(S)DL

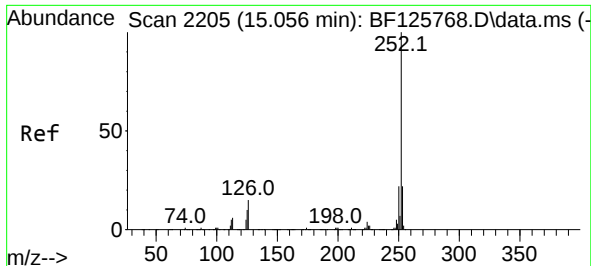
Tgt Ion:276 Resp: 301096
 Ion Ratio Lower Upper
 276 100
 138 25.0 24.1 36.1
 277 24.5 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 70.433 ng
 RT: 15.010 min Scan# 2197
 Delta R.T. 0.006 min
 Lab File: BF125909.D
 Acq: 19 Oct 2021 20:03

Tgt Ion:252 Resp: 1080299
 Ion Ratio Lower Upper
 252 100
 253 22.7 16.8 25.2
 125 12.5 9.8 14.8

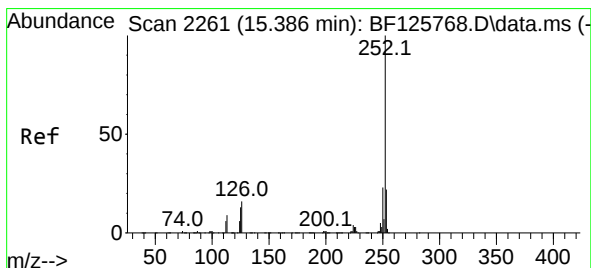
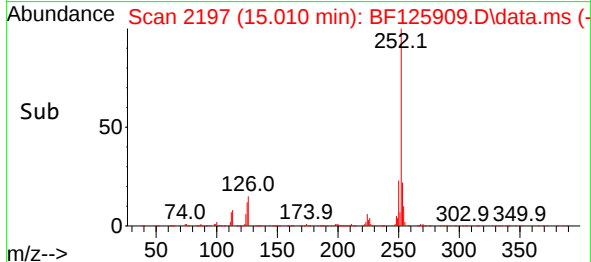
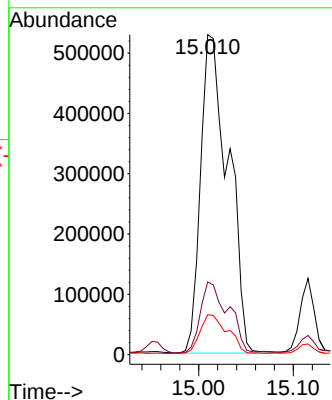
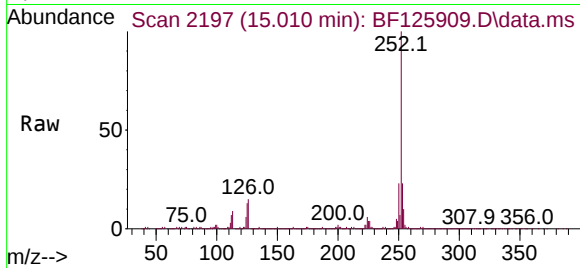




#89
Benzo(k)fluoranthene
Concen: 68.601 ng
RT: 15.010 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

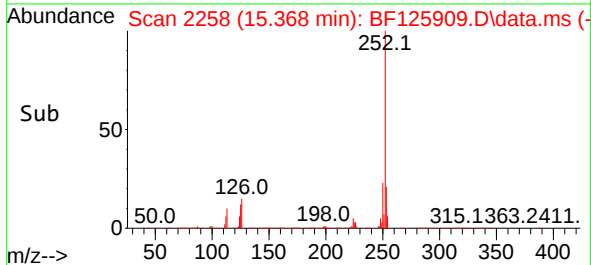
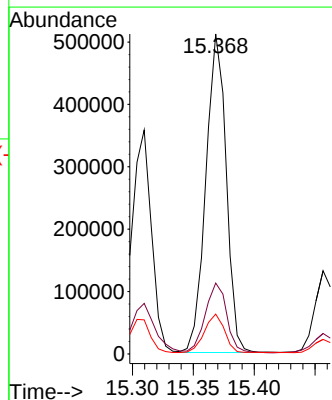
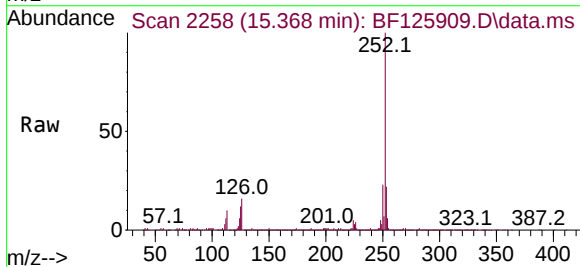
Instrument :
BNA_F
ClientSampleId :
TP2-(S)DL

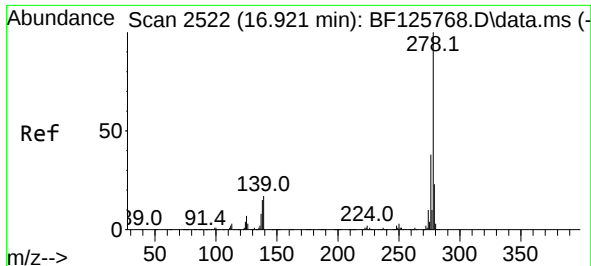
Tgt Ion:252 Resp: 1080299
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 12.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 43.710 ng
RT: 15.368 min Scan# 2258
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:252 Resp: 593708
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 12.5 9.9 14.9

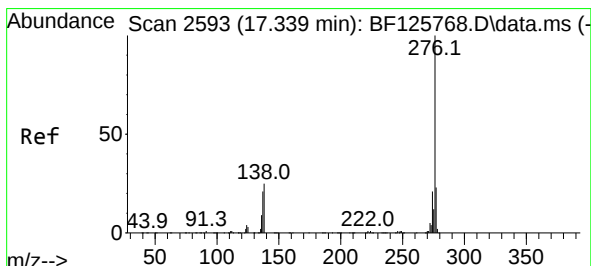
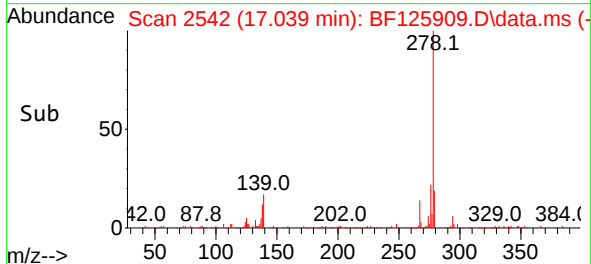
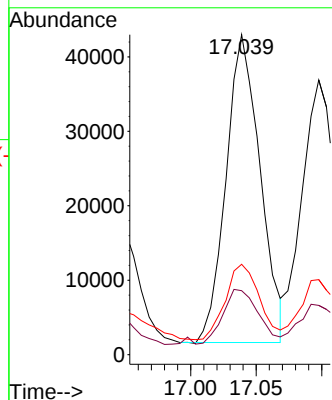
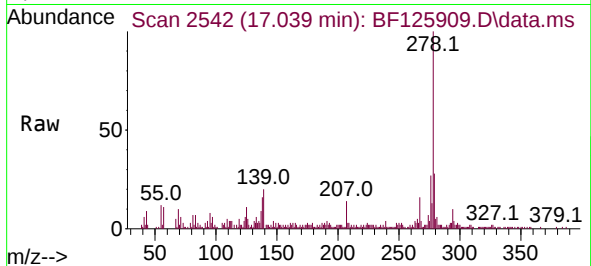




#91
Dibenzo(a,h)anthracene
Concen: 4.366 ng
RT: 17.039 min Scan# 2542
Delta R.T. 0.159 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Instrument :
BNA_F
ClientSampleId :
TP2-(S)DL

Tgt Ion:278 Resp: 74670
Ion Ratio Lower Upper
278 100
139 20.0 14.9 22.3
279 28.3 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 16.799 ng
RT: 17.304 min Scan# 2587
Delta R.T. 0.006 min
Lab File: BF125909.D
Acq: 19 Oct 2021 20:03

Tgt Ion:276 Resp: 293424
Ion Ratio Lower Upper
276 100
277 24.5 22.0 33.0
138 25.8 22.2 33.4

