

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
 Data File : BF125810.D
 Acq On : 12 Oct 2021 19:36
 Operator : JU/CG
 Sample : M4159-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-COMP-(1-4)

Quant Time: Oct 13 09:45:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 07 17:16:23 2021
 Response via : Initial Calibration

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

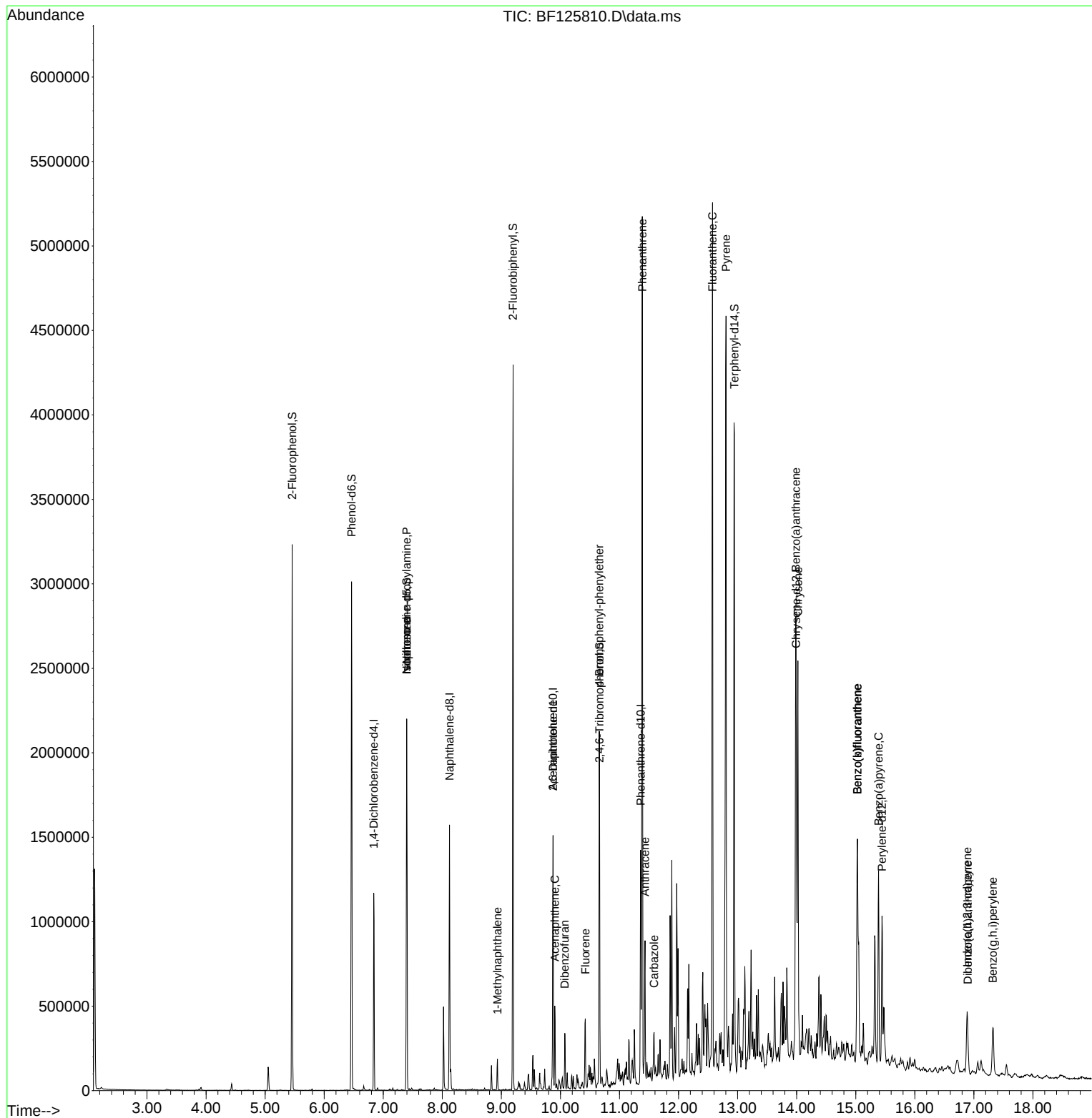
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	175370	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	647801	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	302825	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	509022	20.000	ng	# 0.00
76) Chrysene-d12	13.992	240	432345	20.000	ng	0.00
86) Perylene-d12	15.445	264	378994	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	921011	85.795	ng	0.00
7) Phenol-d6	6.463	99	1123267	81.281	ng	-0.01
23) Nitrobenzene-d5	7.398	82	670751	64.362	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	239063	79.959	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1266258	72.123	ng	0.00
79) Terphenyl-d14	12.945	244	1336669	47.094	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	83789	11.485	ng	# 50
25) Isophorone	7.398	82	668398	36.202	ng	# 59
38) 1-Methylnaphthalene	8.933	142	44633	2.268	ng	98
51) 2,6-Dinitrotoluene	9.875	165	42246	10.484	ng	# 28
52) Acenaphthene	9.904	154	96238	5.819	ng	97
55) Dibenzofuran	10.075	168	90011	3.633	ng	94
58) Fluorene	10.422	166	107008	5.897	ng	99
67) 4-Bromophenyl-phenylether	10.657	248	13434	2.383	ng	# 1
71) Phenanthrene	11.386	178	1885839	69.244	ng	97
72) Anthracene	11.433	178	293037	10.773	ng	99
73) Carbazole	11.586	167	108393	4.282	ng	98
75) Fluoranthene	12.574	202	2022900	82.317	ng	96
78) Pyrene	12.804	202	1944836	44.278	ng	95
81) Benzo(a)anthracene	13.986	228	851364	30.352	ng	99
83) Chrysene	14.021	228	884003	31.885	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	248922	8.605	ng	94
88) Benzo(b)fluoranthene	15.027	252	1016559	47.510	ng	98
89) Benzo(k)fluoranthene	15.027	252	1016559	46.274	ng	# 97
90) Benzo(a)pyrene	15.386	252	543760	28.697	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	63902	2.678	ng	97
92) Benzo(g,h,i)perylene	17.321	276	225994	9.275	ng	93

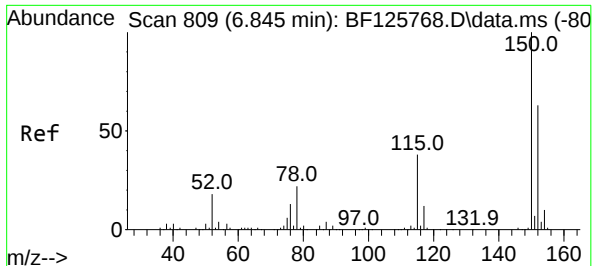
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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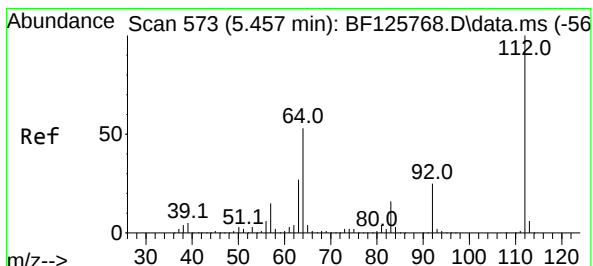
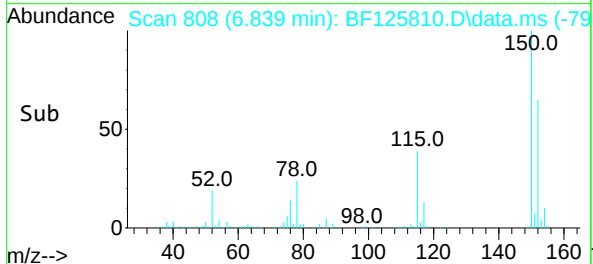
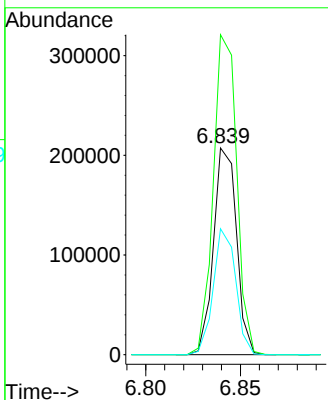
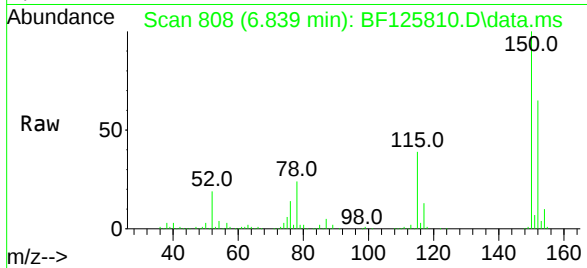




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

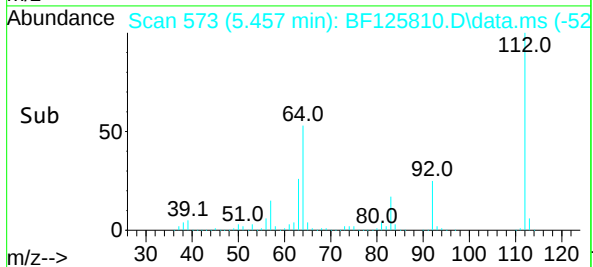
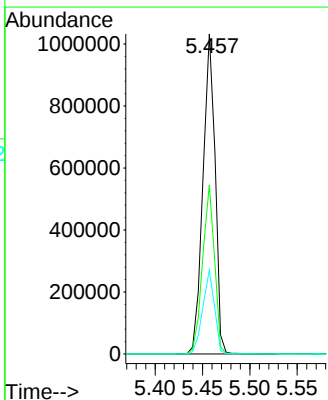
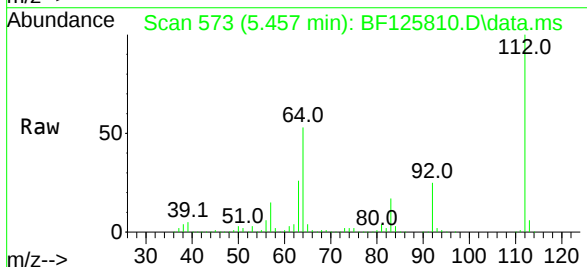
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

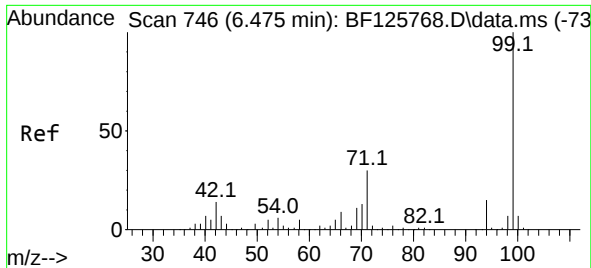
Tgt Ion:152 Resp: 175370
Ion Ratio Lower Upper
152 100
150 154.8 117.6 176.4
115 60.9 47.1 70.7



#5
2-Fluorophenol
Concen: 85.795 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:112 Resp: 921011
Ion Ratio Lower Upper
112 100
64 52.9 44.2 66.2
63 26.2 26.2 39.2

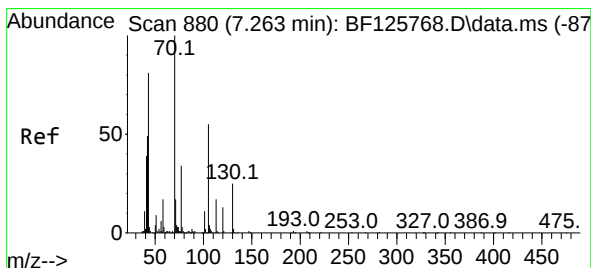
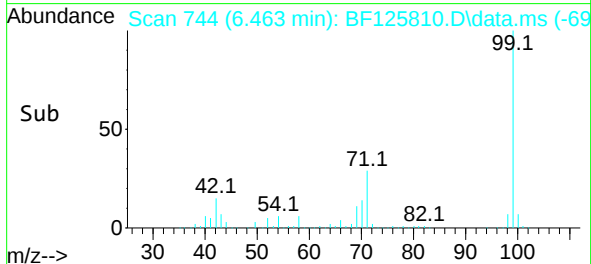
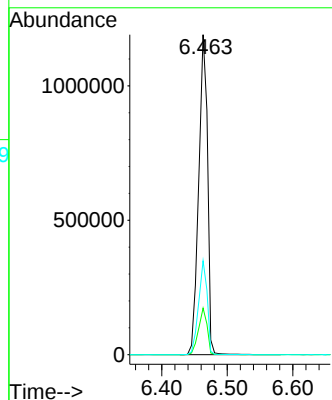
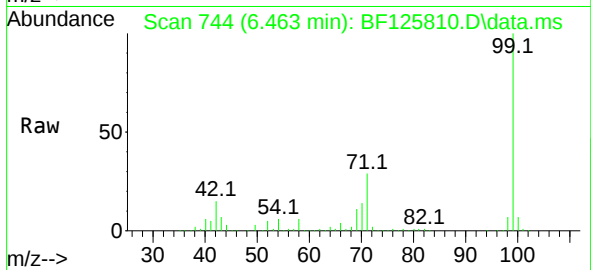




#7
Phenol-d6
Concen: 81.281 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

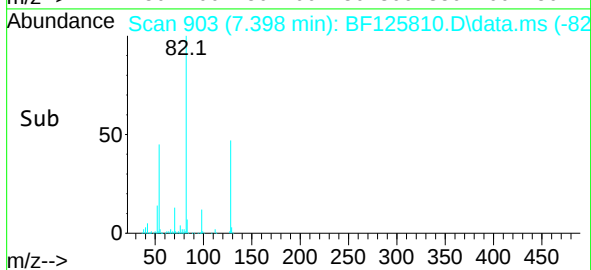
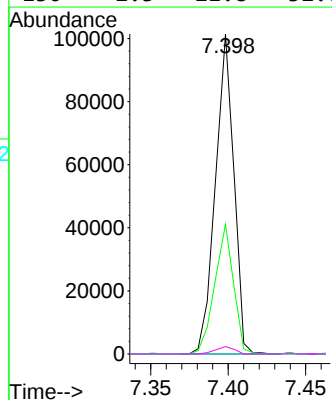
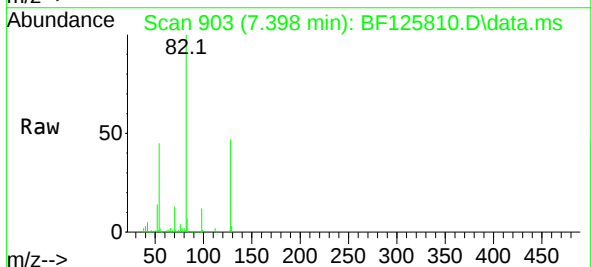
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

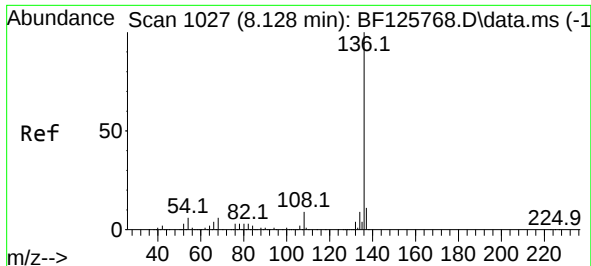
Tgt Ion: 99 Resp: 1123267
Ion Ratio Lower Upper
99 100
42 14.6 23.5 35.3#
71 29.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.485 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.135 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion: 70 Resp: 83789
Ion Ratio Lower Upper
70 100
42 40.6 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

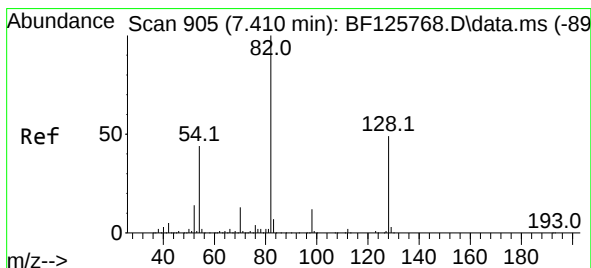
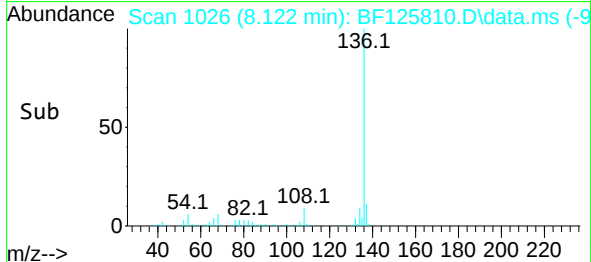
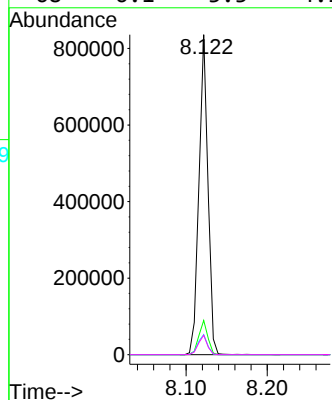
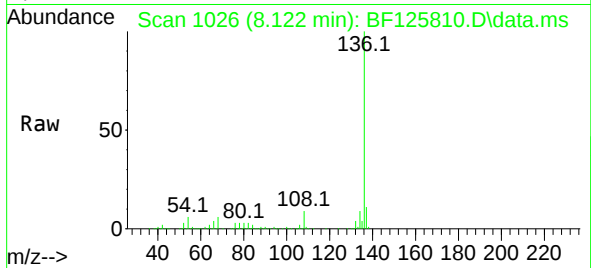




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

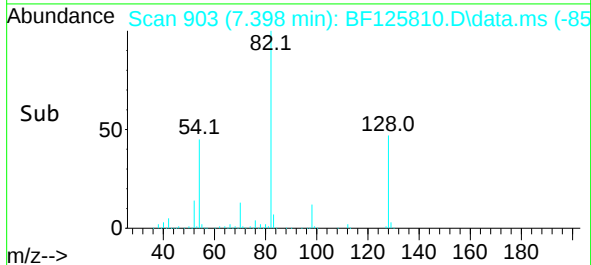
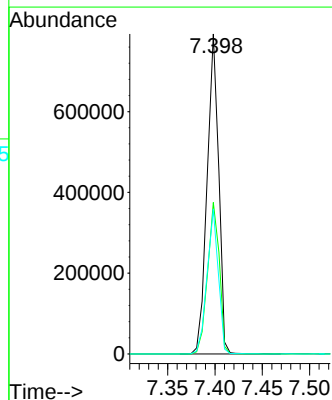
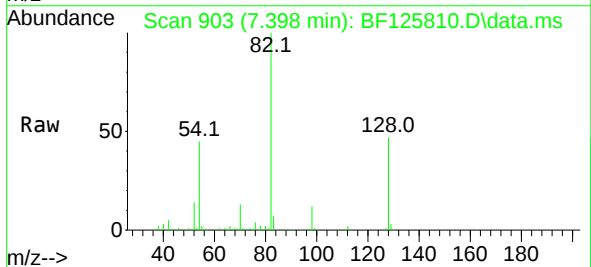
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

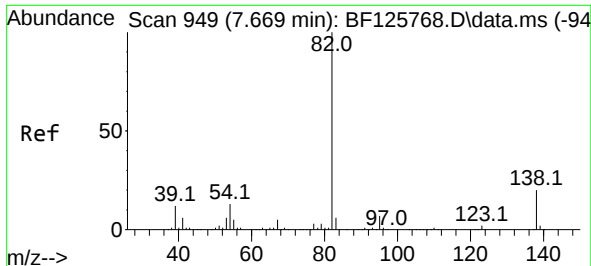
Tgt Ion:	136	Resp:	647801
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.8	14.6
54	6.3	6.4	9.6#
68	6.1	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 64.362 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:	82	Resp:	670751
Ion	Ratio	Lower	Upper
82	100		
128	47.4	40.6	60.8
54	45.2	49.6	74.4#

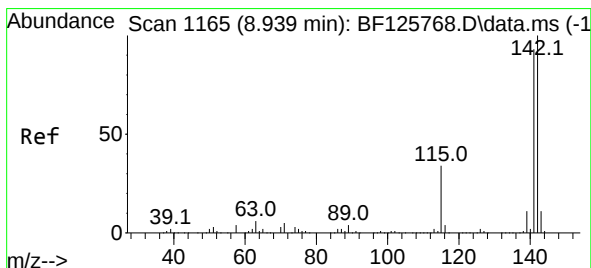
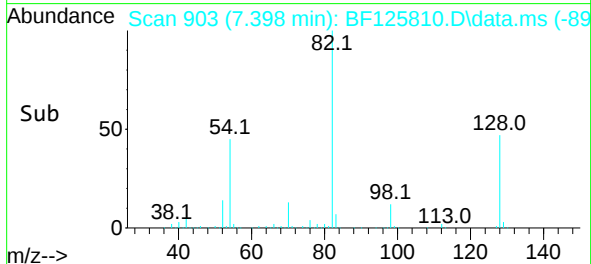
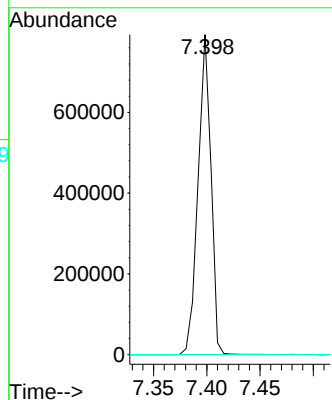
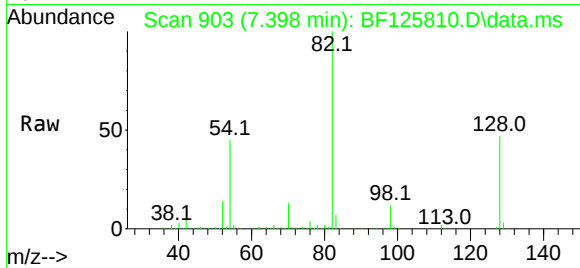




#25
Isophorone
Concen: 36.202 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.270 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

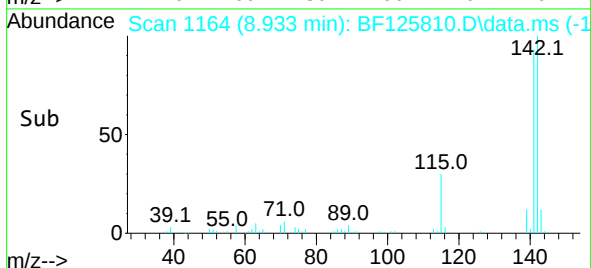
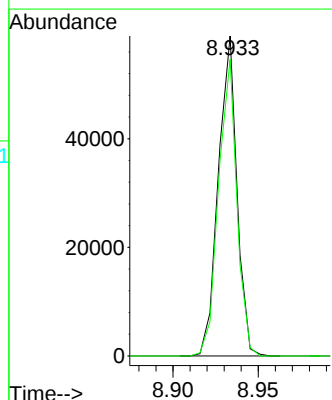
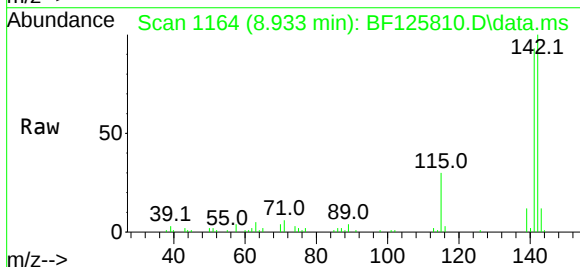
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

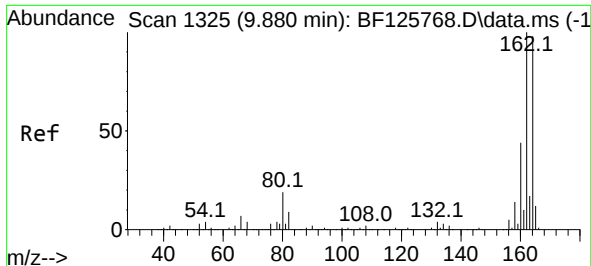
Tgt Ion: 82 Resp: 668398
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#38
1-Methylnaphthalene
Concen: 2.268 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion: 142 Resp: 44633
Ion Ratio Lower Upper
142 100
141 92.7 76.0 114.0

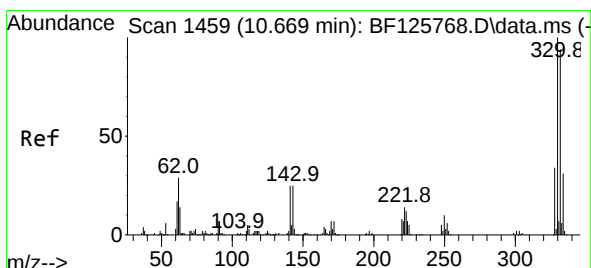
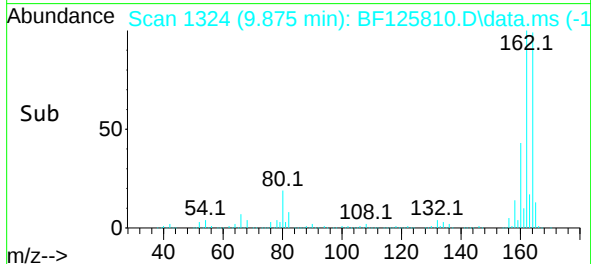
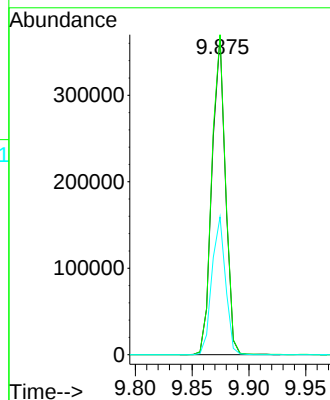
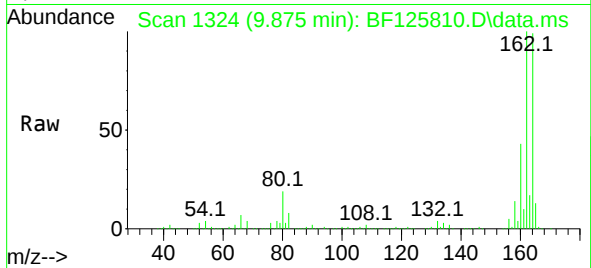




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

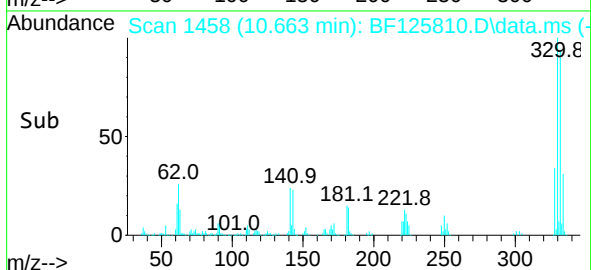
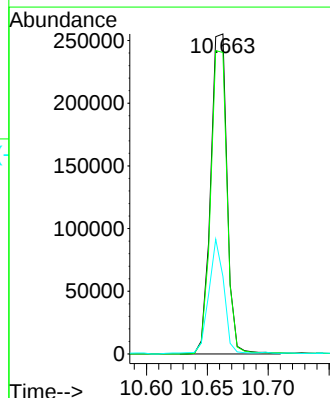
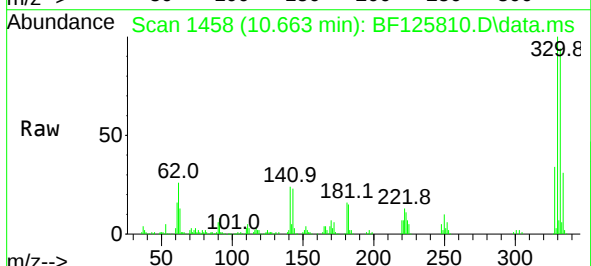
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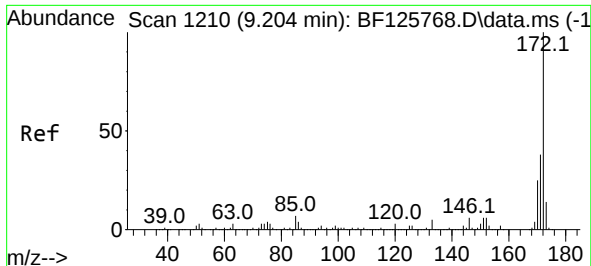
Tgt Ion:164 Resp: 302825
Ion Ratio Lower Upper
164 100
162 100.5 81.3 121.9
160 43.3 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 79.959 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:330 Resp: 239063
Ion Ratio Lower Upper
330 100
332 94.8 76.2 114.4
141 33.3 44.6 66.8#

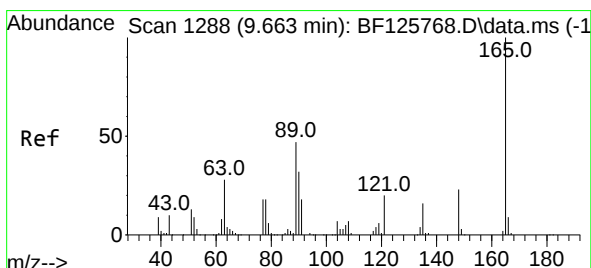
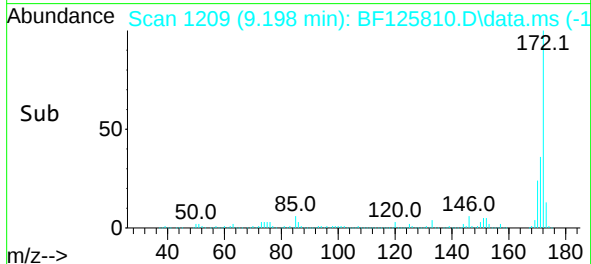
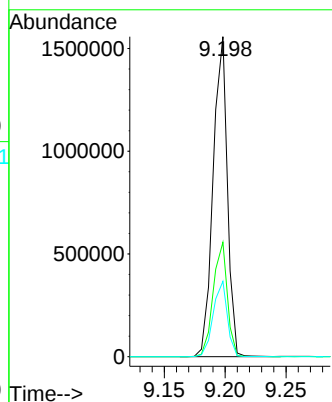
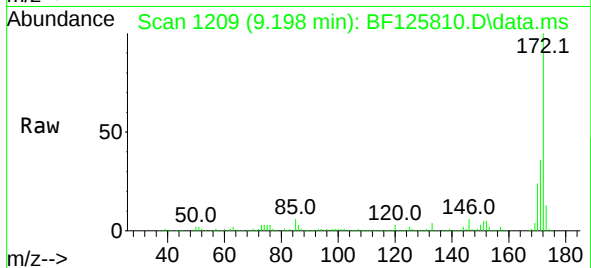




#45
2-Fluorobiphenyl
Concen: 72.123 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

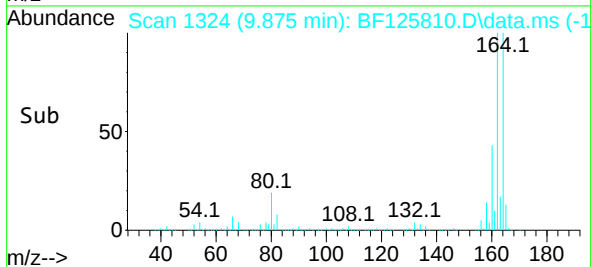
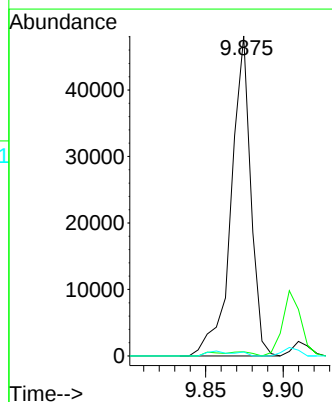
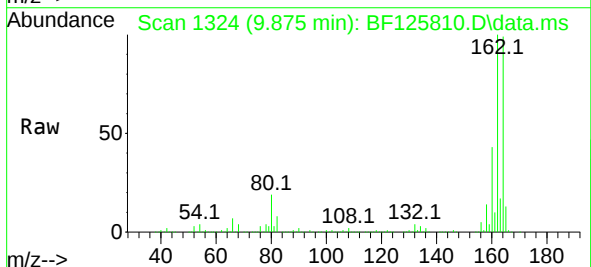
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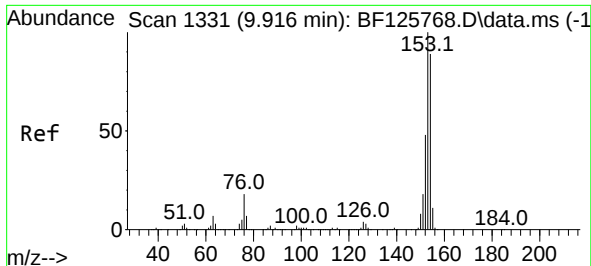
Tgt Ion:172 Resp: 1266258
Ion Ratio Lower Upper
172 100
171 35.8 26.5 39.7
170 23.5 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.484 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:165 Resp: 42246
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.3 40.6 60.8#

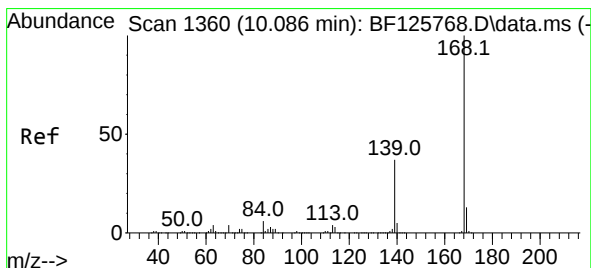
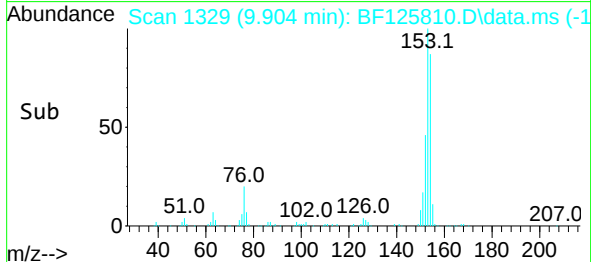
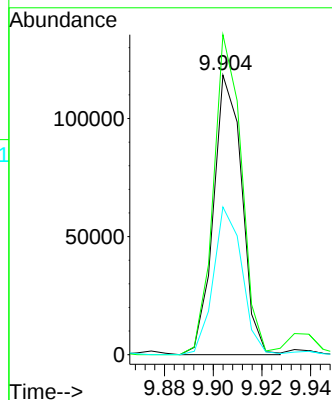
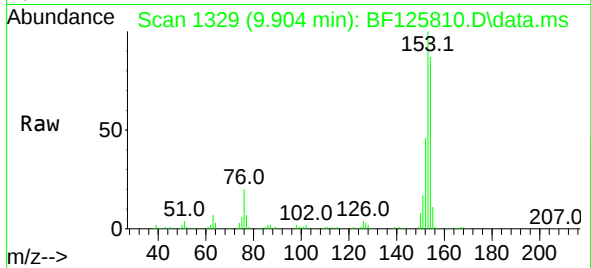




#52
Acenaphthene
Concen: 5.819 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

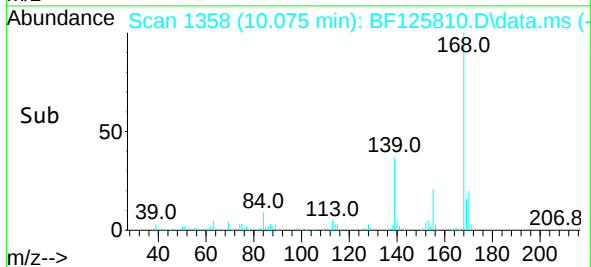
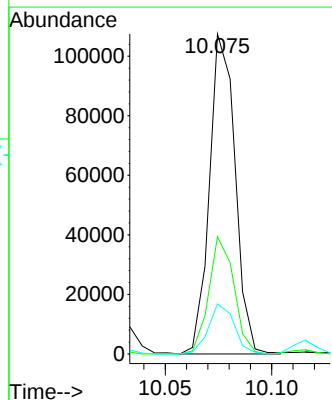
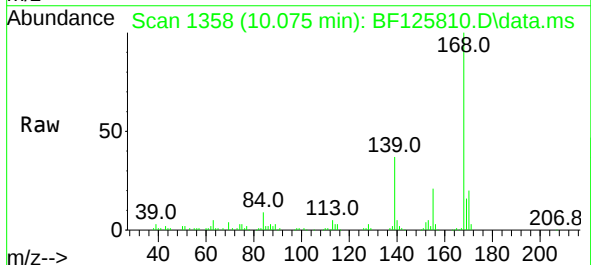
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

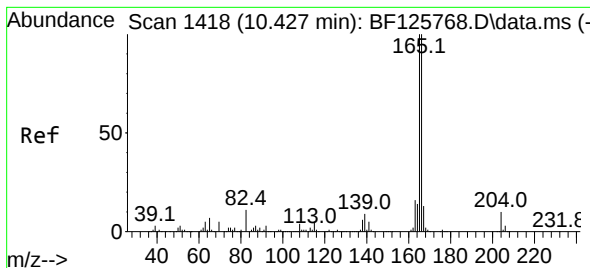
Tgt Ion:154 Resp: 96238
Ion Ratio Lower Upper
154 100
153 114.5 89.4 134.2
152 52.8 40.5 60.7



#55
Dibenzofuran
Concen: 3.633 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:168 Resp: 90011
Ion Ratio Lower Upper
168 100
139 36.6 32.7 49.1
169 15.6 11.2 16.8

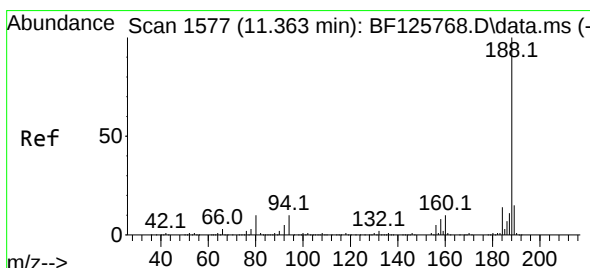
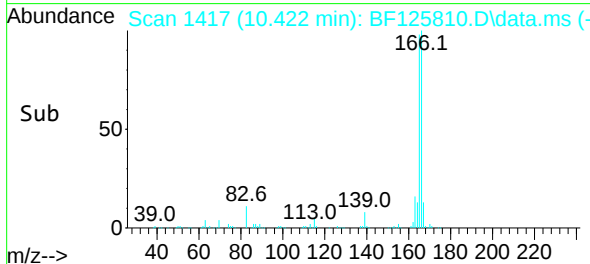
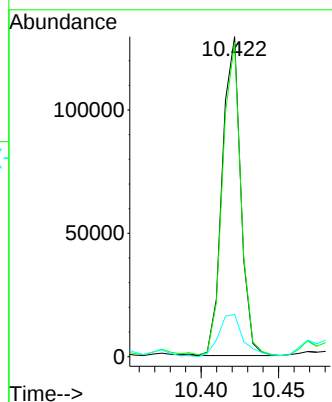
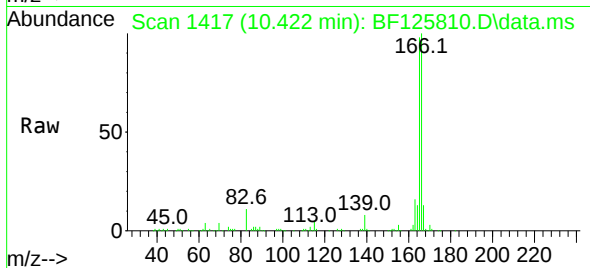




#58
Fluorene
Concen: 5.897 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

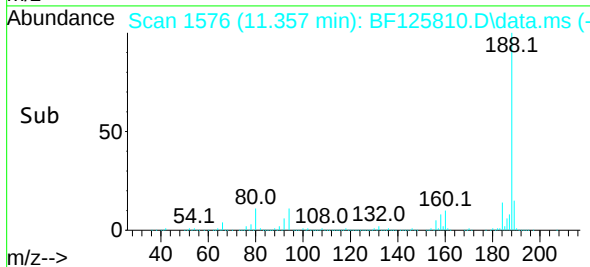
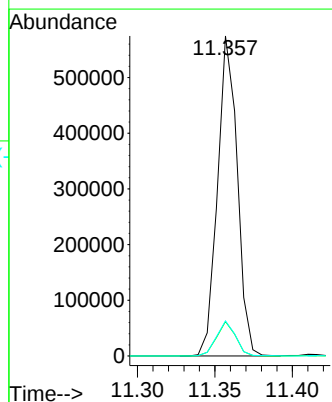
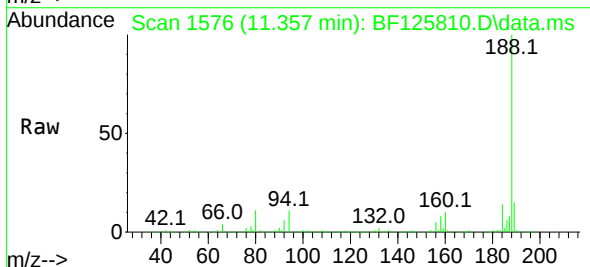
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

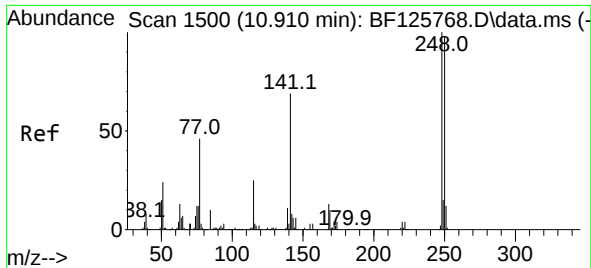
Tgt Ion:166 Resp: 107008
Ion Ratio Lower Upper
166 100
165 98.2 78.1 117.1
167 13.3 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:188 Resp: 509022
Ion Ratio Lower Upper
188 100
94 10.8 6.7 10.1#
80 10.9 7.5 11.3

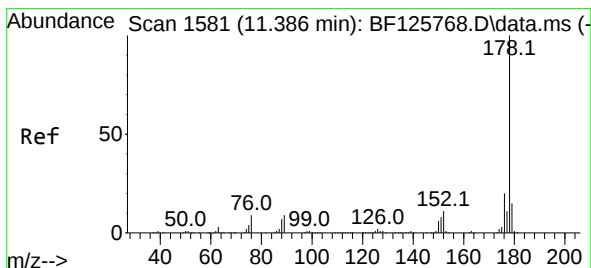
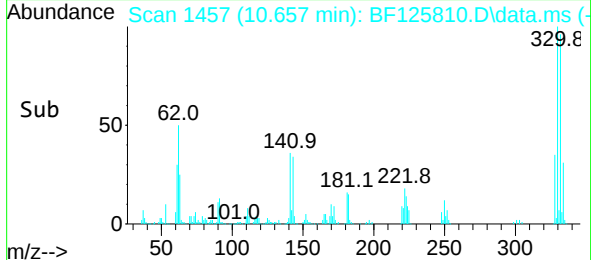
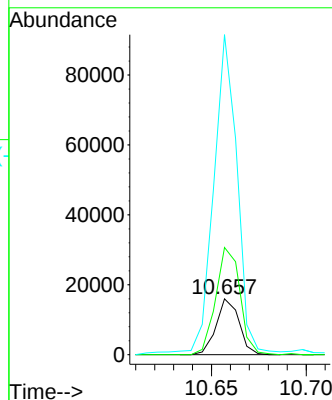
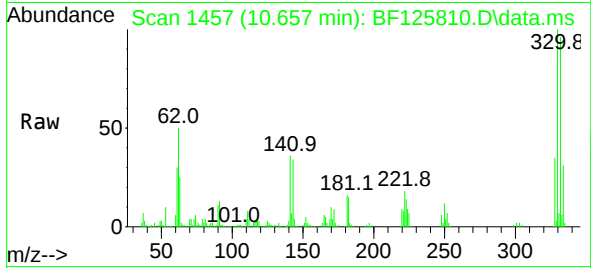




#67
4-Bromophenyl-phenylether
Concen: 2.383 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.253 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

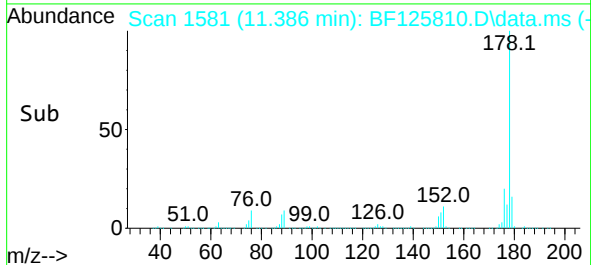
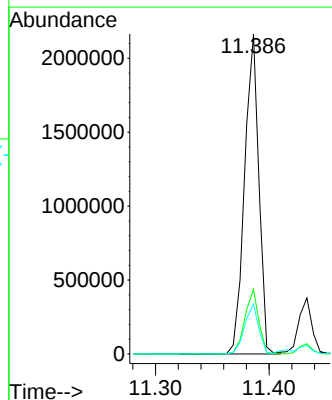
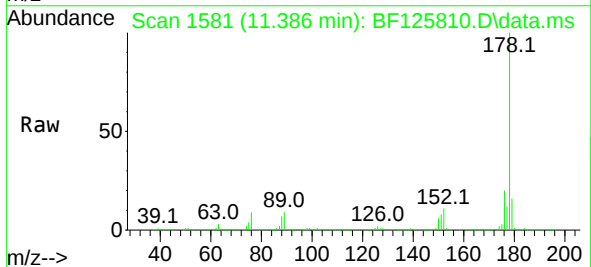
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

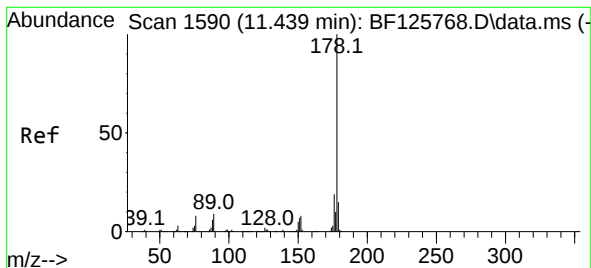
Tgt Ion:248 Resp: 13434
Ion Ratio Lower Upper
248 100
250 192.0 74.2 111.4#
141 573.1 60.4 90.6#



#71
Phenanthrene
Concen: 69.244 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:178 Resp: 1885839
Ion Ratio Lower Upper
178 100
176 20.1 14.7 22.1
179 15.6 11.5 17.3

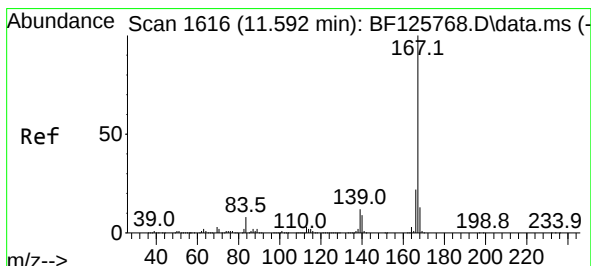
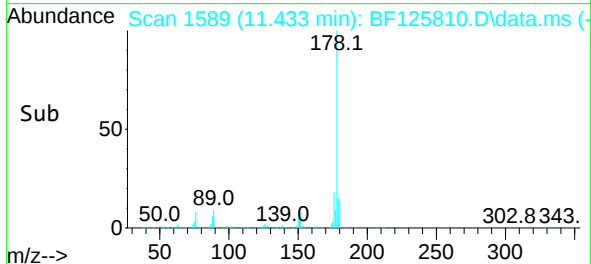
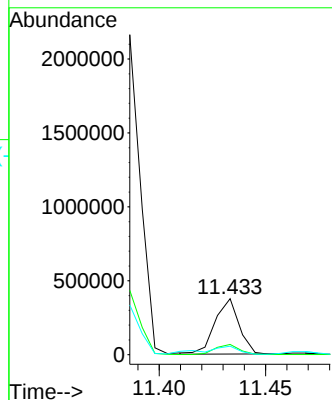
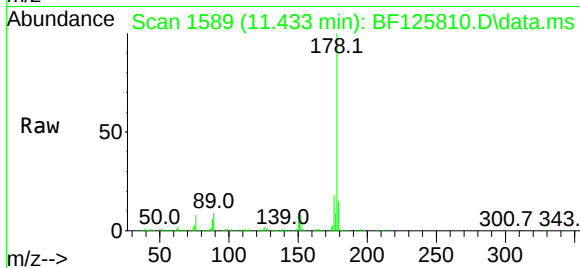




#72
 Anthracene
 Concen: 10.773 ng
 RT: 11.433 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF125810.D
 Acq: 12 Oct 2021 19:36

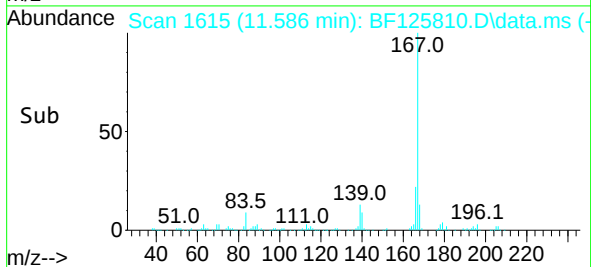
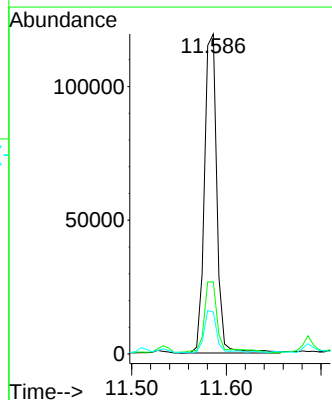
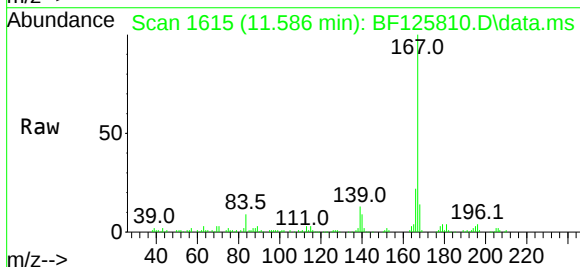
Instrument :
 BNA_F
 ClientSampleId :
 T9-COMP-(1-4)

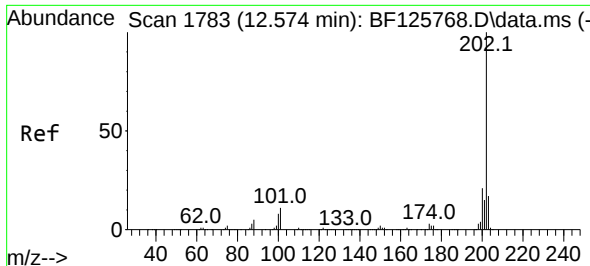
Tgt Ion:178 Resp: 293037
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.3 21.5
 179 15.3 12.2 18.4



#73
 Carbazole
 Concen: 4.282 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.006 min
 Lab File: BF125810.D
 Acq: 12 Oct 2021 19:36

Tgt Ion:167 Resp: 108393
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.4 26.0
 139 13.1 11.0 16.4

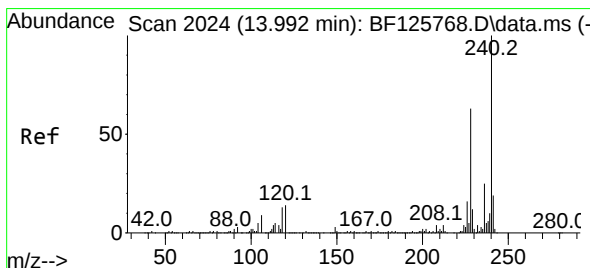
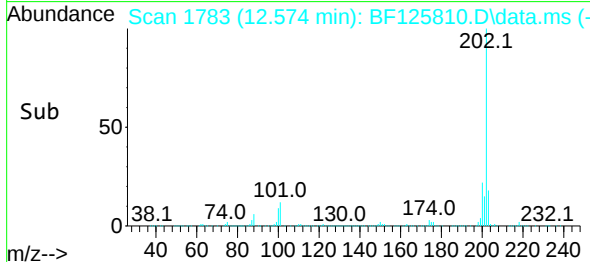
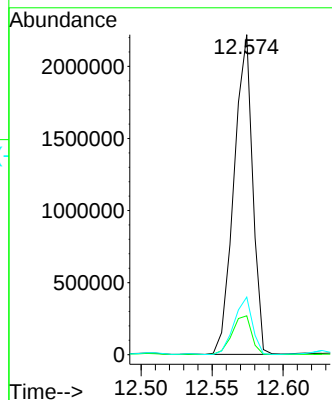
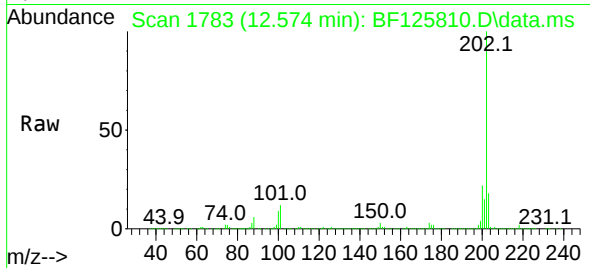




#75
Fluoranthene
Concen: 82.317 ng
RT: 12.574 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

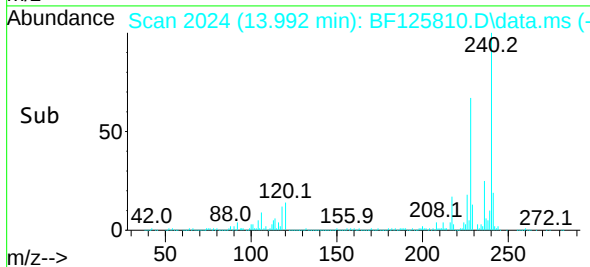
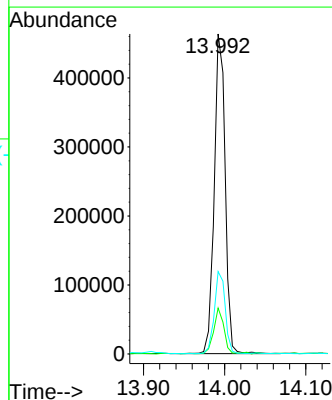
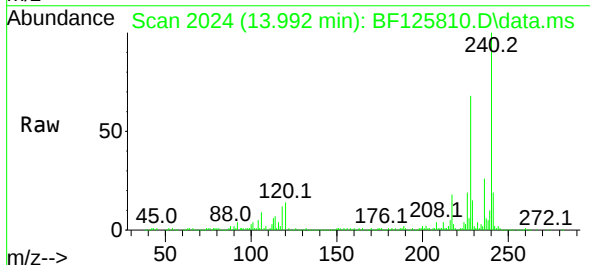
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

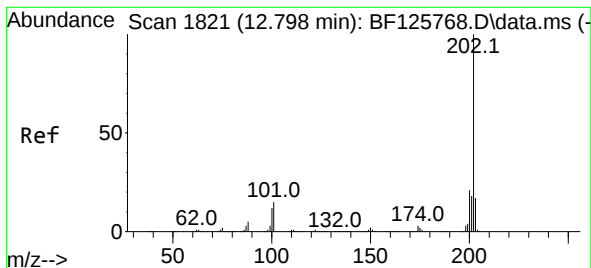
Tgt Ion:202 Resp: 2022900
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.7
203 18.0 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:240 Resp: 432345
Ion Ratio Lower Upper
240 100
120 14.4 10.8 16.2
236 25.8 21.6 32.4





#78

Pyrene

Concen: 44.278 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.006 min

Lab File: BF125810.D

Acq: 12 Oct 2021 19:36

Tgt Ion:202 Resp: 1944836

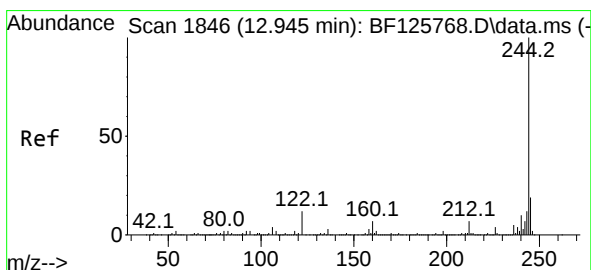
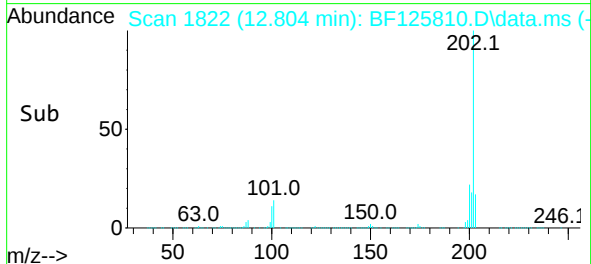
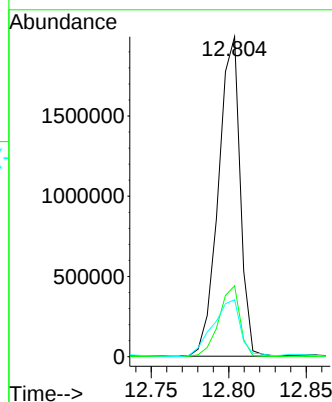
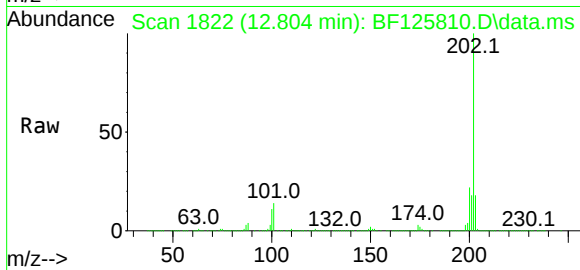
Ion	Ratio	Lower	Upper
202	100		
200	22.1	15.3	22.9
203	17.8	13.4	20.0

Instrument :

BNA_F

ClientSampleId :

T9-COMP-(1-4)



#79

Terphenyl-d14

Concen: 47.094 ng

RT: 12.945 min Scan# 1846

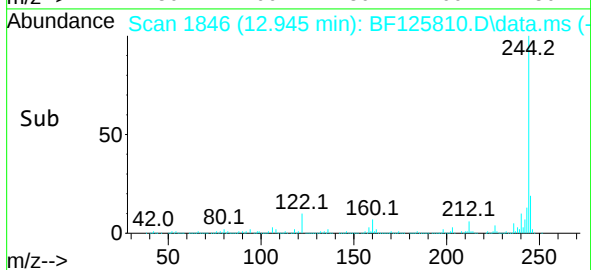
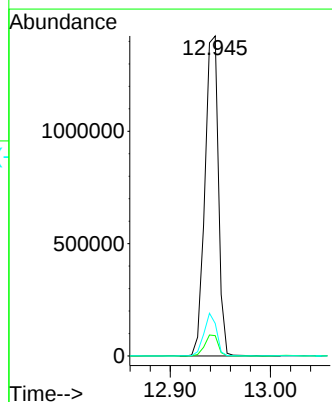
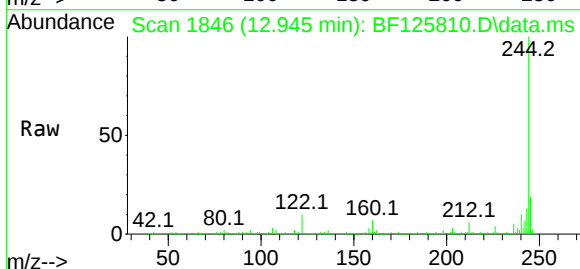
Delta R.T. 0.000 min

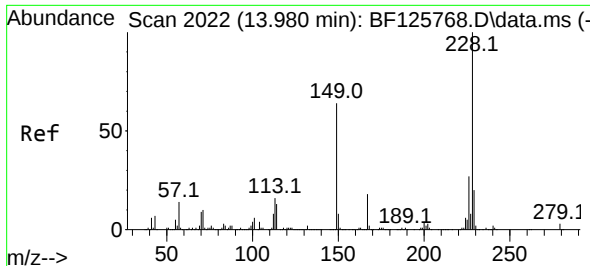
Lab File: BF125810.D

Acq: 12 Oct 2021 19:36

Tgt Ion:244 Resp: 1336669

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.9	8.9
122	10.1	9.0	13.4

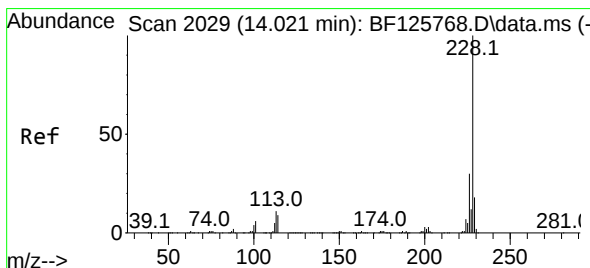
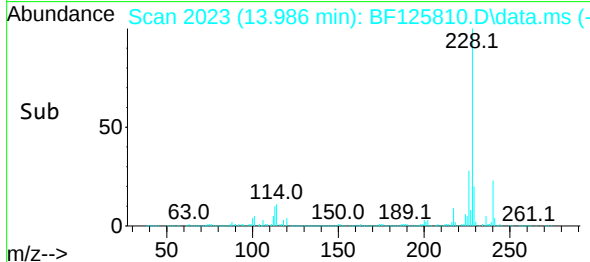
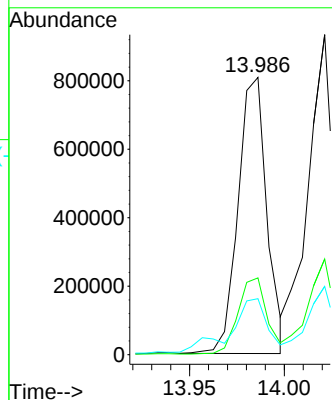
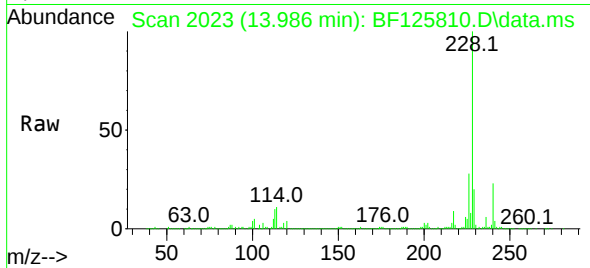




#81
Benzo(a)anthracene
Concen: 30.352 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

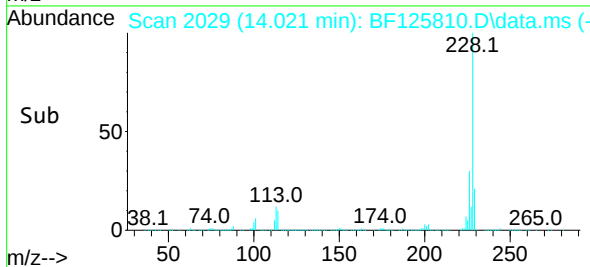
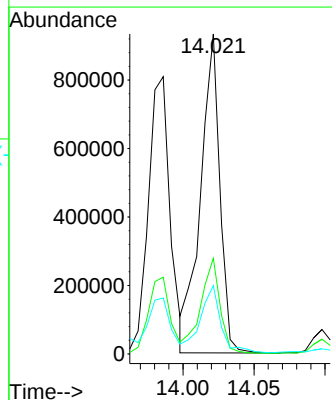
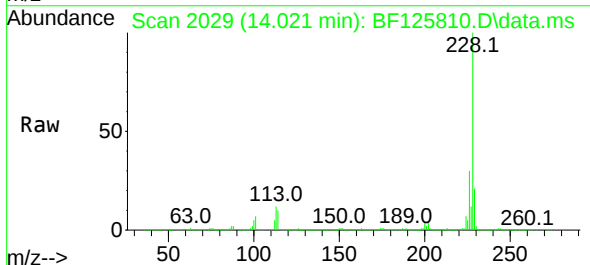
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

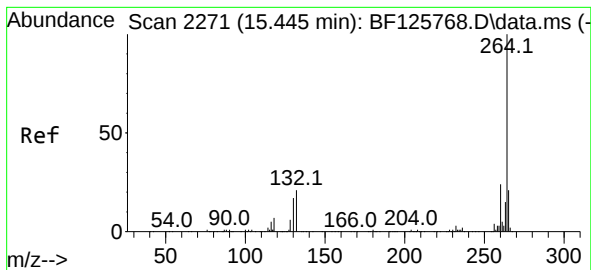
Tgt Ion:228 Resp: 851364
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 20.2 15.6 23.4



#83
Chrysene
Concen: 31.885 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:228 Resp: 884003
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 21.4 15.9 23.9

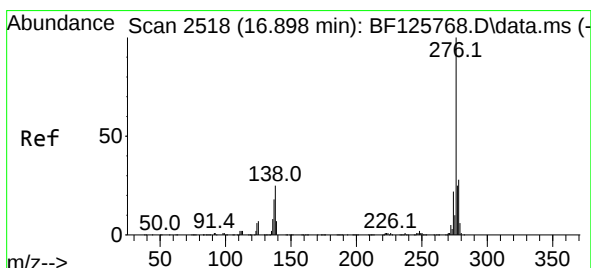
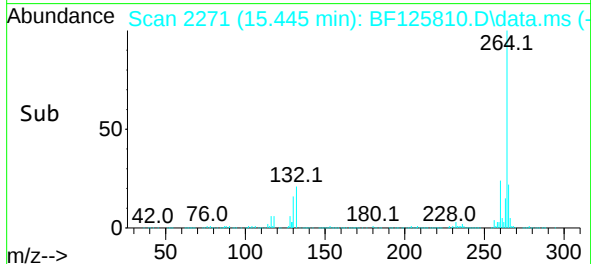
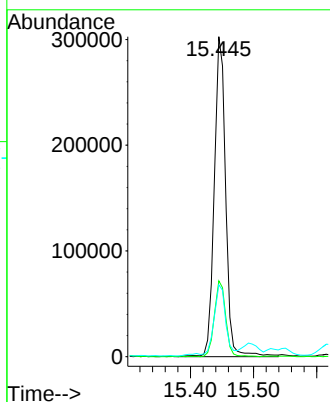
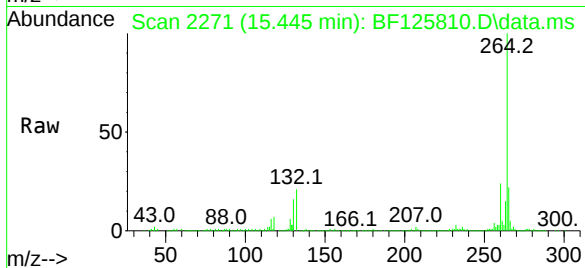




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

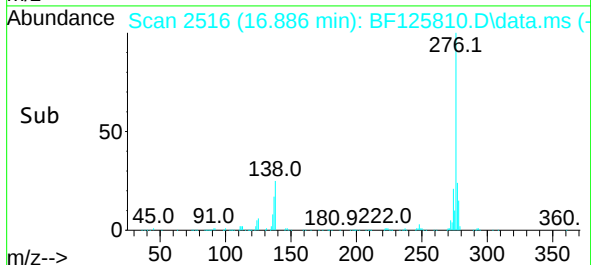
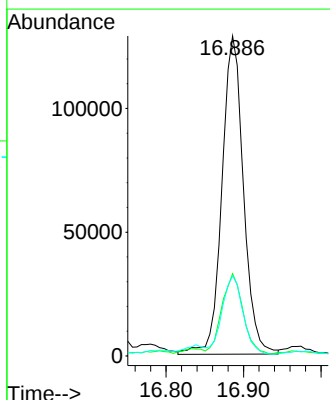
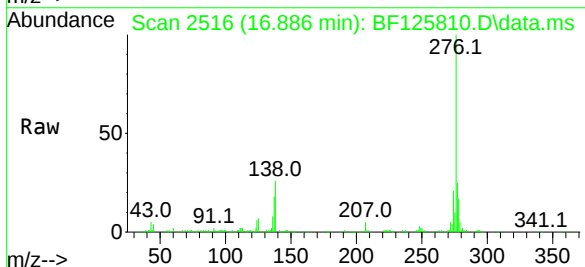
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

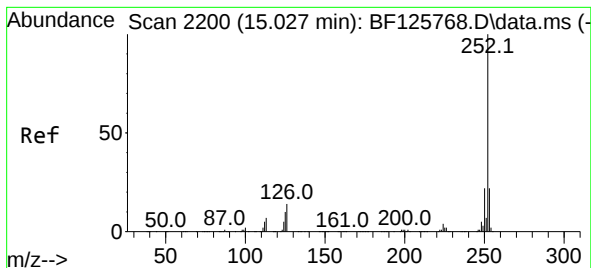
Tgt Ion:264 Resp: 378994
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 22.5 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.605 ng
RT: 16.886 min Scan# 2516
Delta R.T. -0.012 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:276 Resp: 248922
Ion Ratio Lower Upper
276 100
138 24.8 24.1 36.1
277 24.0 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 47.510 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.000 min

Lab File: BF125810.D

Acq: 12 Oct 2021 19:36

Tgt Ion:252 Resp: 1016559

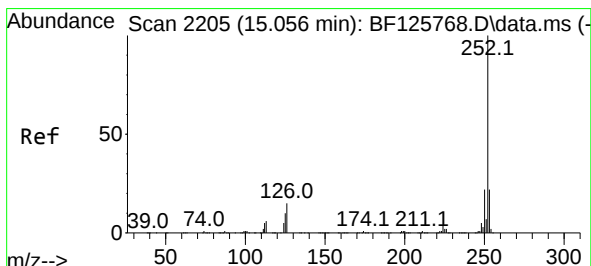
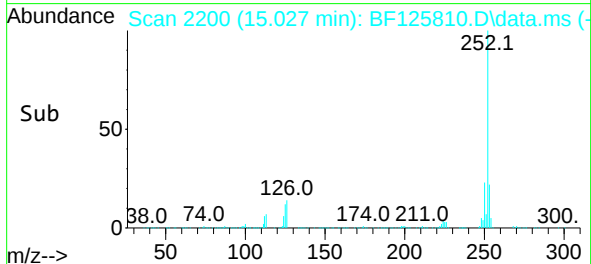
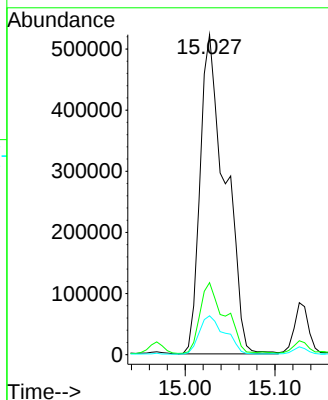
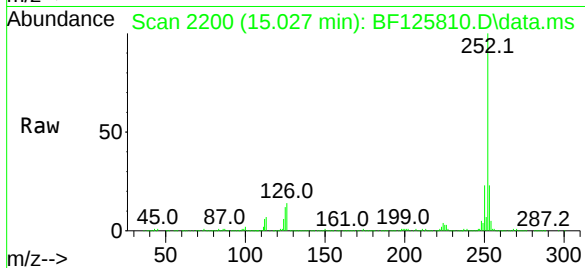
Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.8	25.2
125	12.1	9.8	14.8

Instrument :

BNA_F

ClientSampleId :

T9-COMP-(1-4)



#89

Benzo(k)fluoranthene

Concen: 46.274 ng

RT: 15.027 min Scan# 2200

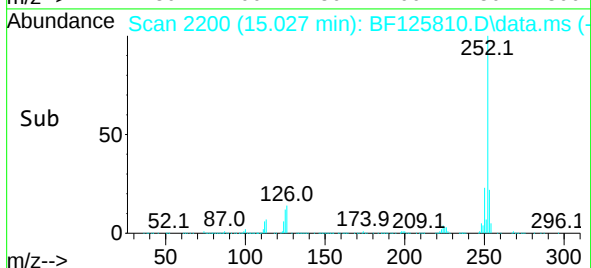
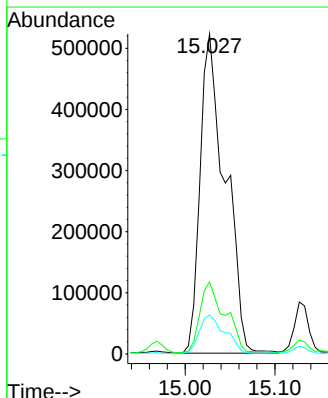
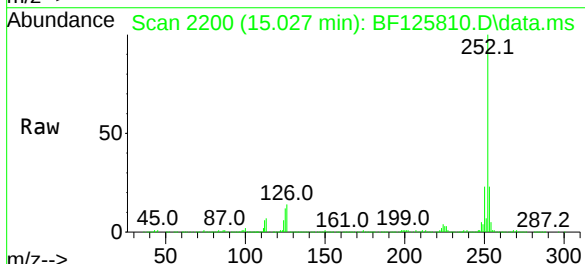
Delta R.T. -0.029 min

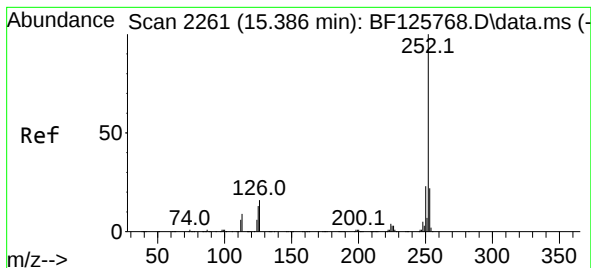
Lab File: BF125810.D

Acq: 12 Oct 2021 19:36

Tgt Ion:252 Resp: 1016559

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	12.1	7.2	10.8

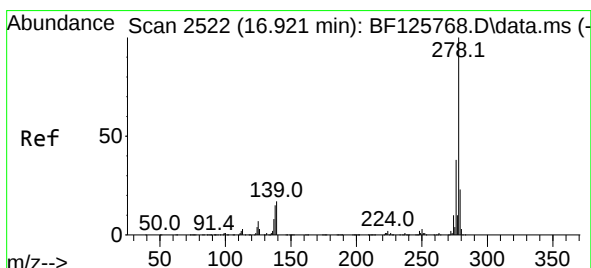
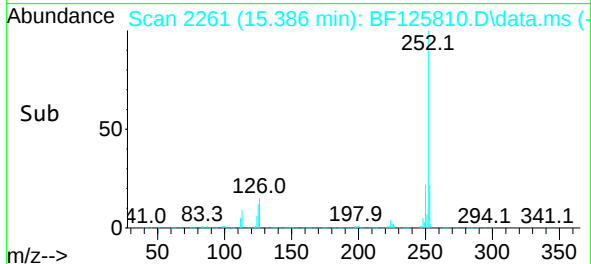
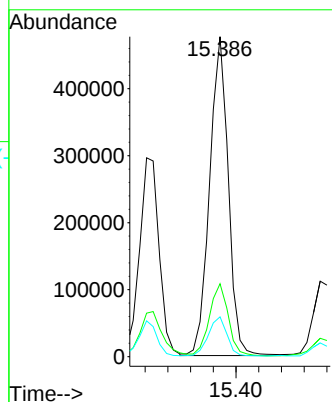
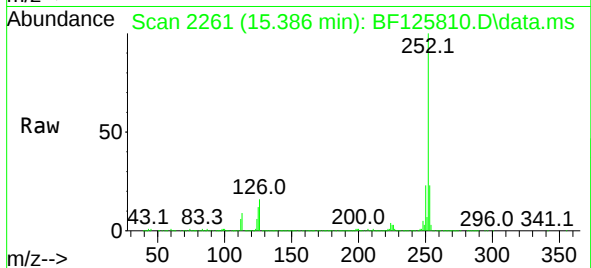




#90
Benzo(a)pyrene
Concen: 28.697 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

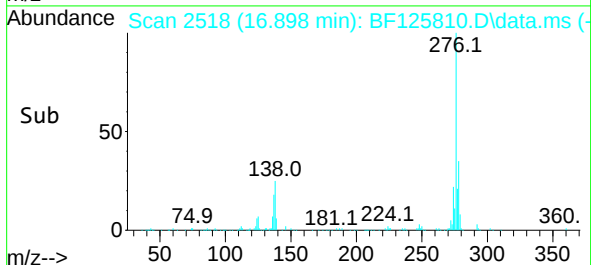
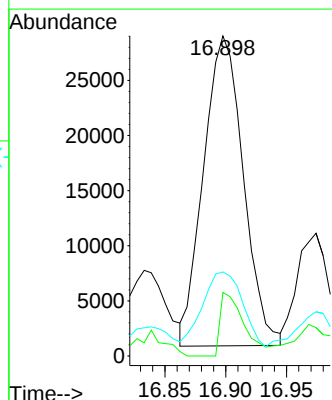
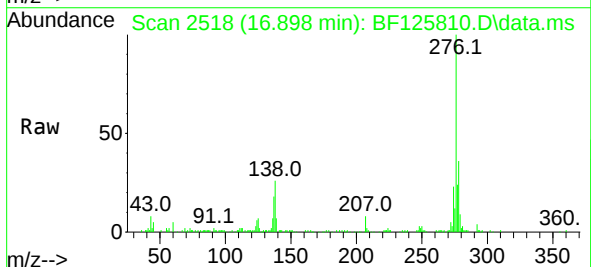
Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

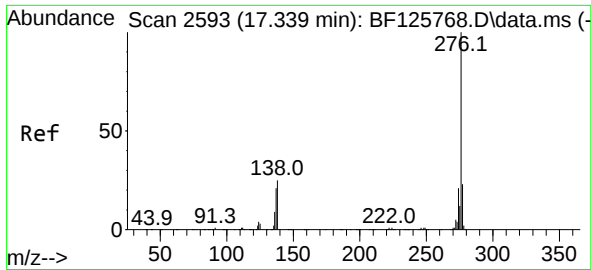
Tgt Ion:252 Resp: 543760
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 12.4 9.9 14.9



#91
Dibenzo(a,h)anthracene
Concen: 2.678 ng
RT: 16.898 min Scan# 2518
Delta R.T. -0.023 min
Lab File: BF125810.D
Acq: 12 Oct 2021 19:36

Tgt Ion:278 Resp: 63902
Ion Ratio Lower Upper
278 100
139 19.9 14.9 22.3
279 26.2 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 9.275 ng

RT: 17.321 min Scan# 2590

Delta R.T. -0.018 min

Lab File: BF125810.D

Acq: 12 Oct 2021 19:36

Tgt Ion: 276 Resp: 225994

Ion Ratio Lower Upper

276 100

277 23.5 22.0 33.0

138 24.8 22.2 33.4

