

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080221\
 Data File : BF124911.D
 Acq On : 2 Aug 2021 16:57
 Operator : JU/CG
 Sample : M3253-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-2-COMP

Quant Time: Aug 02 17:31:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 02 11:15:51 2021
 Response via : Initial Calibration

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

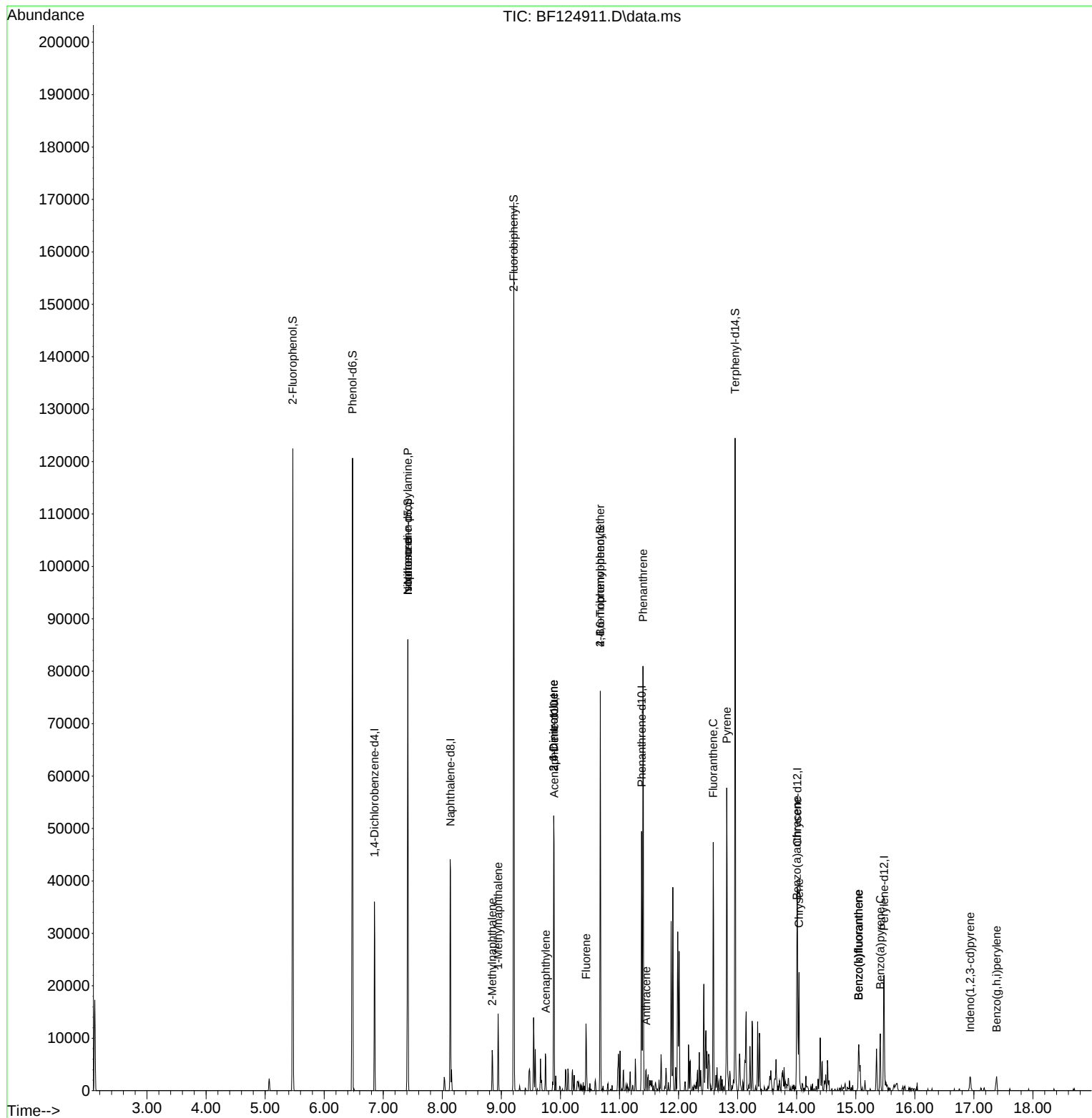
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	5199	20.000	ng	# 0.00
21) Naphthalene-d8	8.139	136	20154	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	11369	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	19302	20.000	ng	0.00
76) Chrysene-d12	14.009	240	11788	20.000	ng	-0.01
86) Perylene-d12	15.480	264	11137	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	29388	95.708	ng	0.00
7) Phenol-d6	6.481	99	36376	94.496	ng	0.00
23) Nitrobenzene-d5	7.416	82	23891	70.554	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	6832	69.990	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	46759	60.407	ng	0.00
79) Terphenyl-d14	12.957	244	38173	55.509	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	3144	15.295	ng	# 62
25) Isophorone	7.416	82	23891	39.901	ng	# 59
37) 2-Methylnaphthalene	8.845	142	2763	3.932	ng	92
38) 1-Methylnaphthalene	8.945	142	3995	6.001	ng	95
49) Acenaphthylene	9.751	152	2341	2.260	ng	# 85
51) 2,6-Dinitrotoluene	9.886	165	1229	7.106	ng	# 26
57) 2,4-Dinitrotoluene	9.886	165	1229	5.237	ng	# 18
58) Fluorene	10.433	166	3670	4.875	ng	# 95
67) 4-Bromophenyl-phenylether	10.674	248	547	2.672	ng	# 1
71) Phenanthrene	11.398	178	29430	28.349	ng	99
72) Anthracene	11.451	178	2371	2.285	ng	96
75) Fluoranthene	12.586	202	16203	15.295	ng	95
78) Pyrene	12.815	202	24215	25.948	ng	96
81) Benzo(a)anthracene	14.004	228	7376	9.572	ng	# 92
83) Chrysene	14.039	228	9514	12.816	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	2612	4.062	ng	# 65
88) Benzo(b)fluoranthene	15.051	252	8690	11.082	ng	100
89) Benzo(k)fluoranthene	15.051	252	8690	12.129	ng	# 96
90) Benzo(a)pyrene	15.415	252	5687	8.682	ng	96
92) Benzo(g,h,i)perylene	17.386	276	2177	4.079	ng	# 92

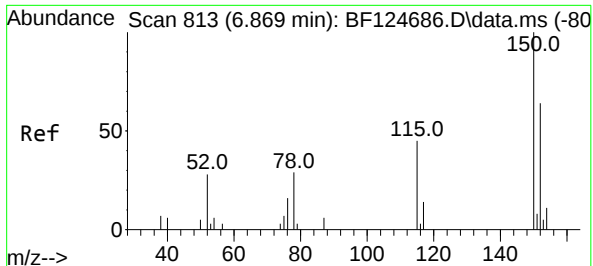
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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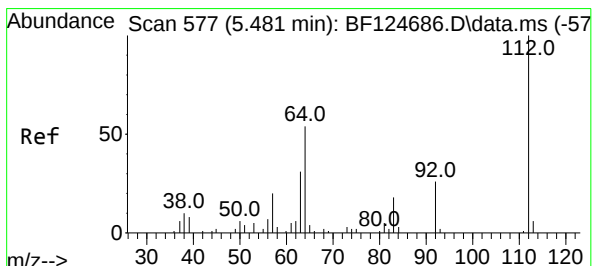
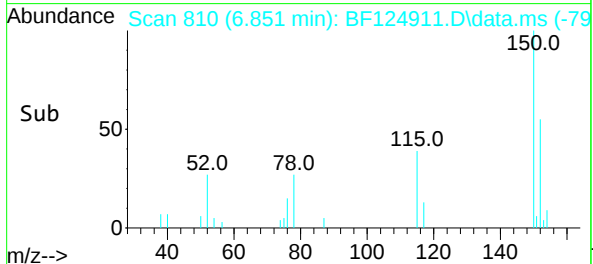
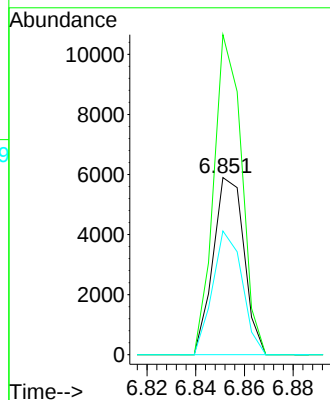
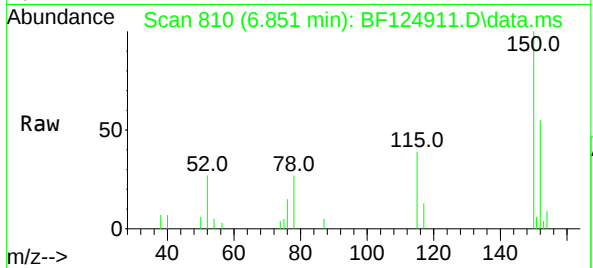




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

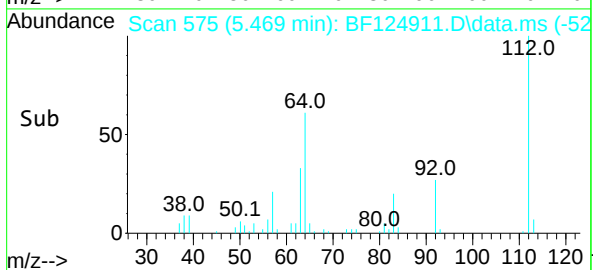
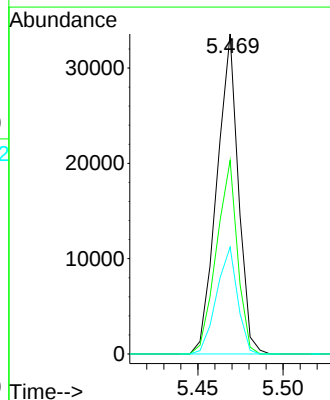
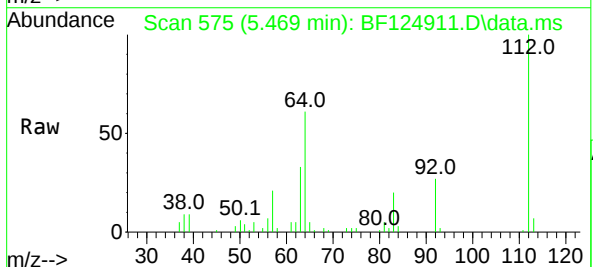
Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

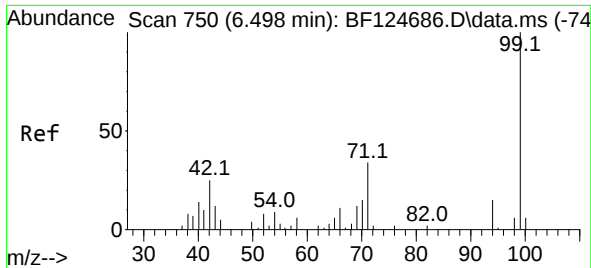
Tgt Ion:152 Resp: 5199
Ion Ratio Lower Upper
152 100
150 180.7 117.6 176.4#
115 69.8 47.1 70.7



#5
2-Fluorophenol
Concen: 95.708 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion:112 Resp: 29388
Ion Ratio Lower Upper
112 100
64 60.5 44.2 66.2
63 33.4 26.2 39.2

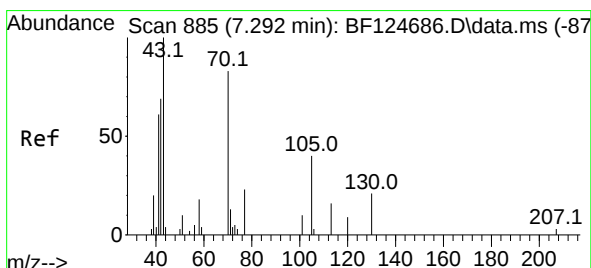
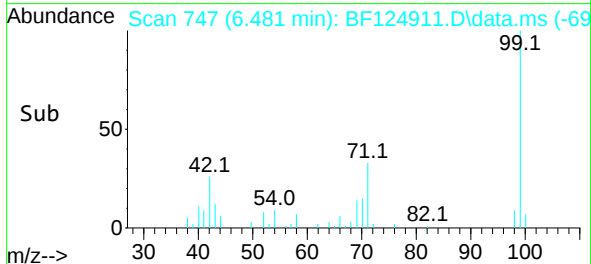
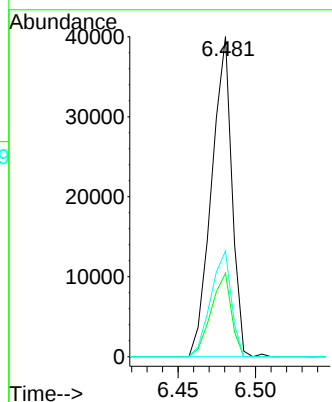
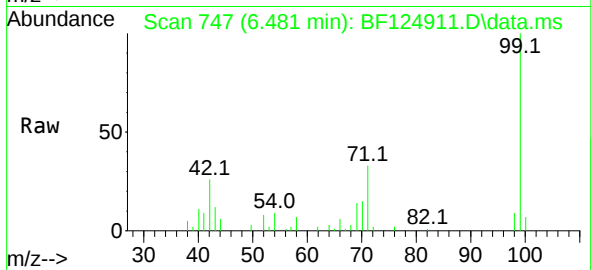




#7
Phenol-d6
Concen: 94.496 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

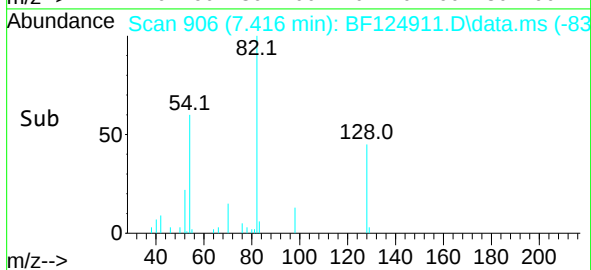
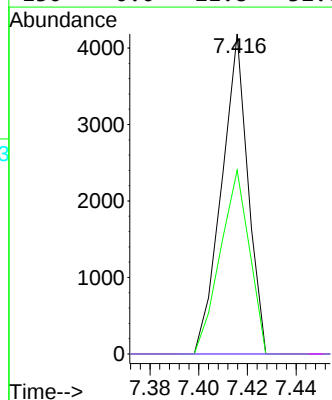
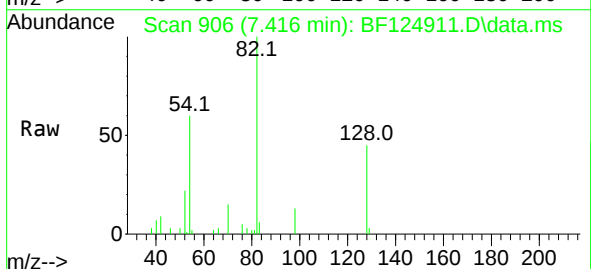
Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

Tgt Ion:	99	Resp:	36376
Ion	Ratio	Lower	Upper
99	100		
42	26.1	23.5	35.3
71	33.0	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.295 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion:	70	Resp:	3144
Ion	Ratio	Lower	Upper
70	100		
42	57.4	72.2	108.2#
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#

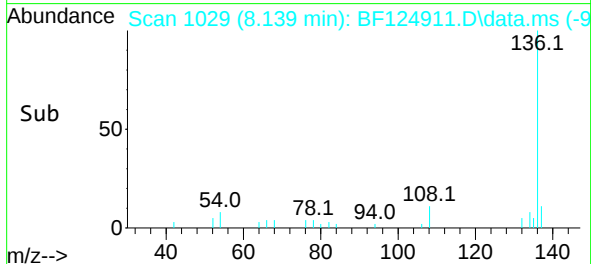
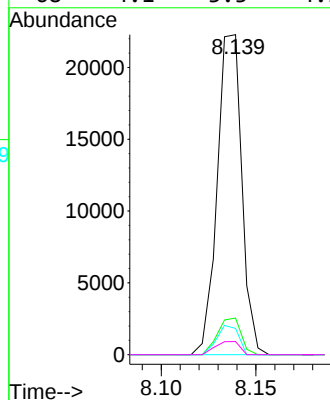
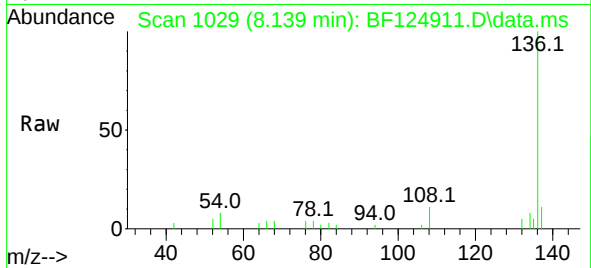




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

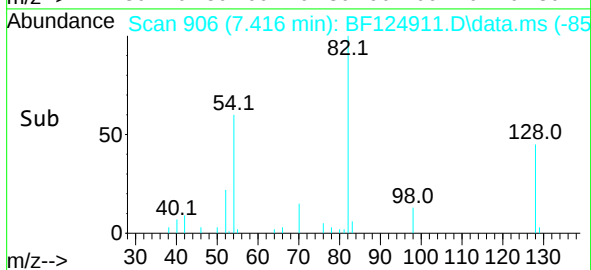
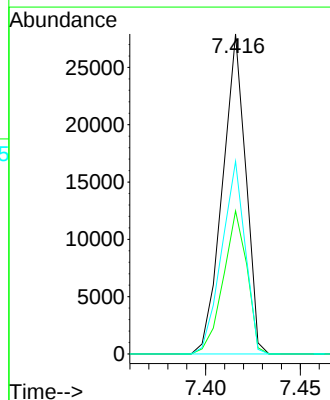
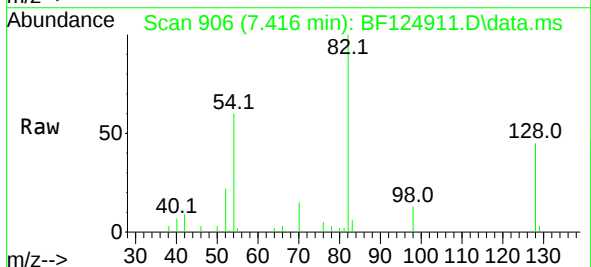
Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

Tgt Ion:136	Resp:	20154
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.8 14.6
54	8.2	6.4 9.6
68	4.1	3.3 4.9



#23
Nitrobenzene-d5
Concen: 70.554 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion: 82	Resp:	23891
Ion Ratio	Lower	Upper
82	100	
128	44.7	40.6 60.8
54	60.2	49.6 74.4

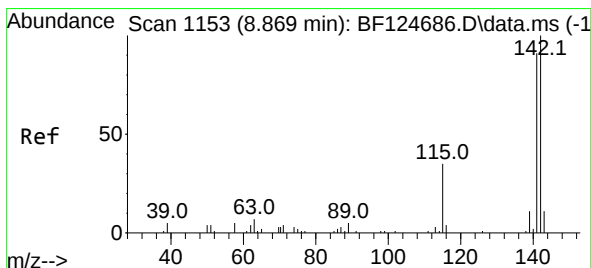
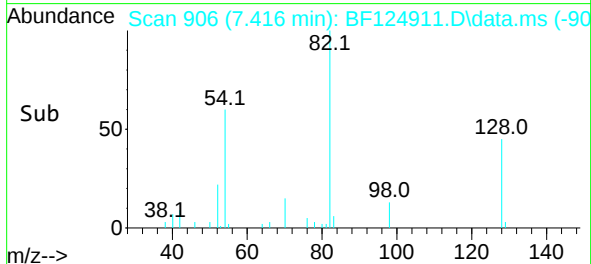
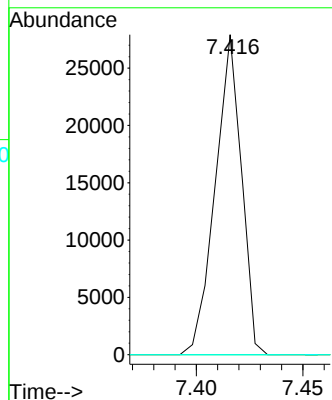
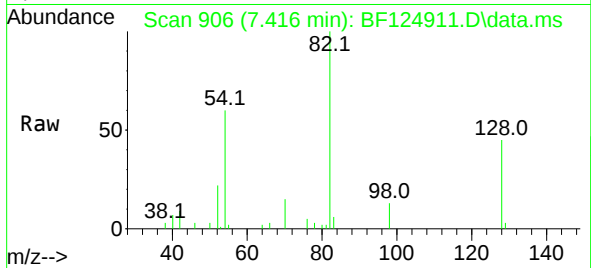




#25
Isophorone
Concen: 39.901 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.265 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

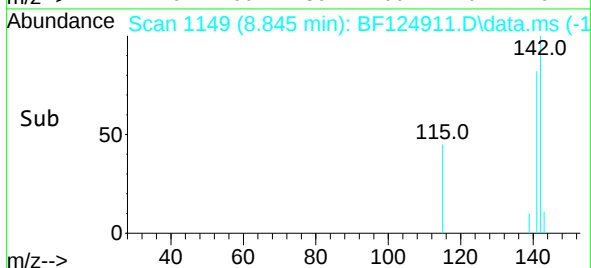
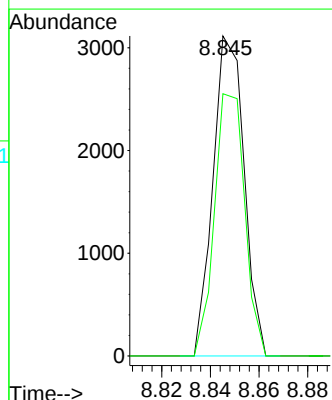
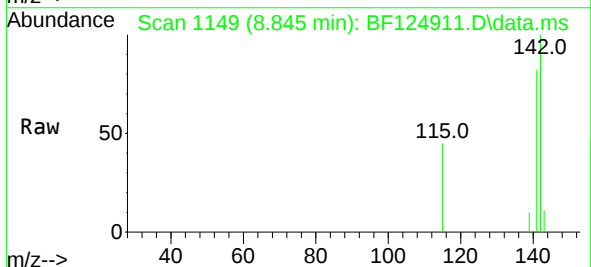
Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

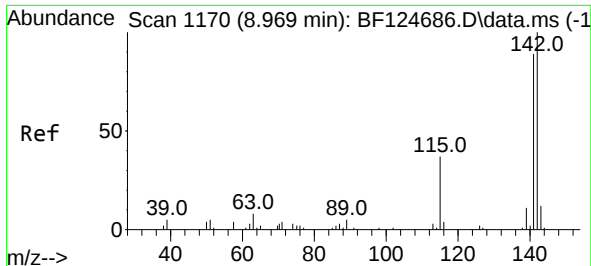
Tgt Ion: 82 Resp: 23891
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#37
2-Methylnaphthalene
Concen: 3.932 ng
RT: 8.845 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion: 142 Resp: 2763
Ion Ratio Lower Upper
142 100
141 82.0 71.2 106.8

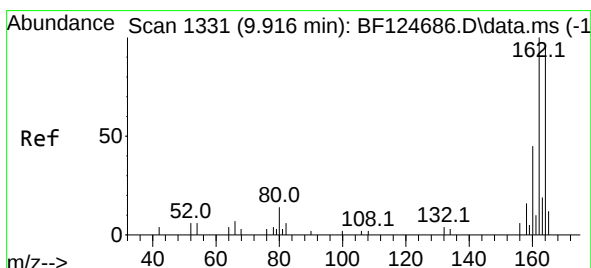
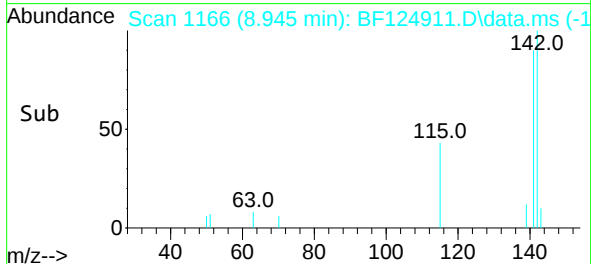
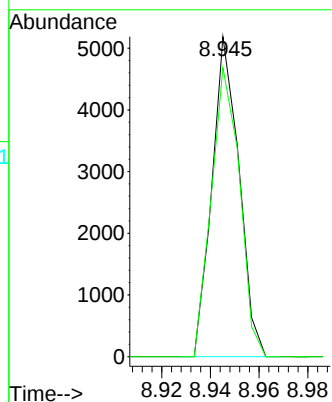
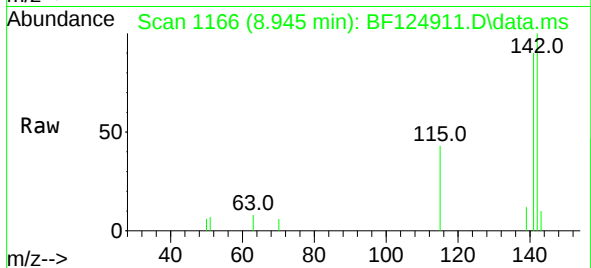




#38
1-Methylnaphthalene
Concen: 6.001 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

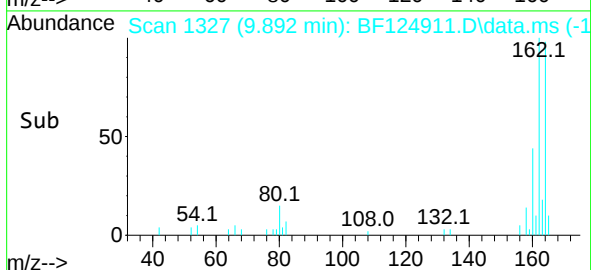
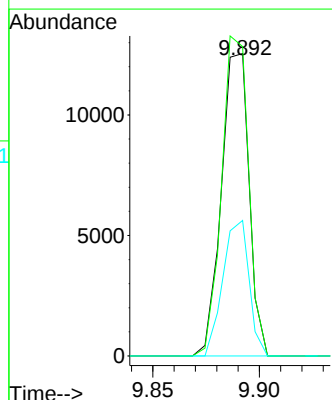
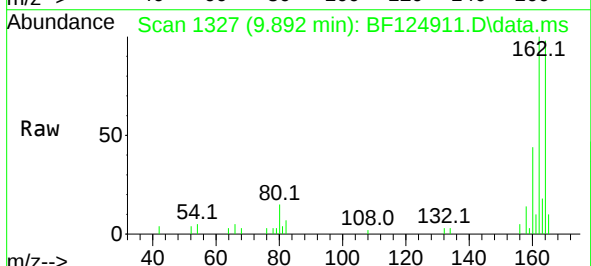
Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

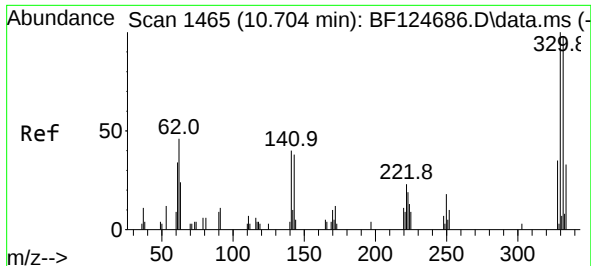
Tgt Ion:142 Resp: 3995
Ion Ratio Lower Upper
142 100
141 90.3 76.0 114.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

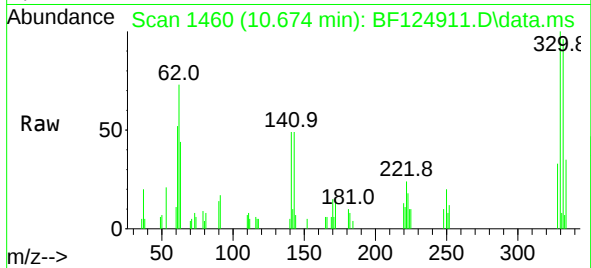
Tgt Ion:164 Resp: 11369
Ion Ratio Lower Upper
164 100
162 102.3 81.3 121.9
160 44.8 38.0 57.0



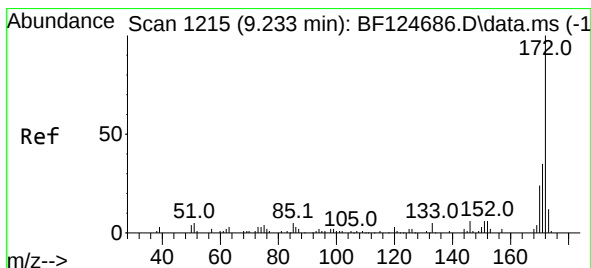
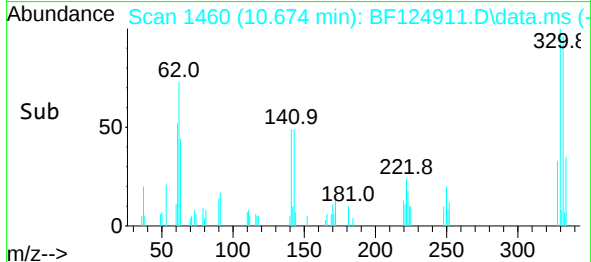
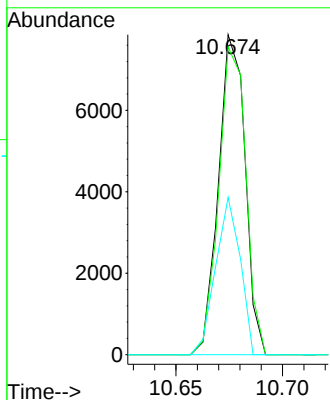


#42
2,4,6-Tribromophenol
Concen: 69.990 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Instrument :
BNA_F
ClientSampleId :
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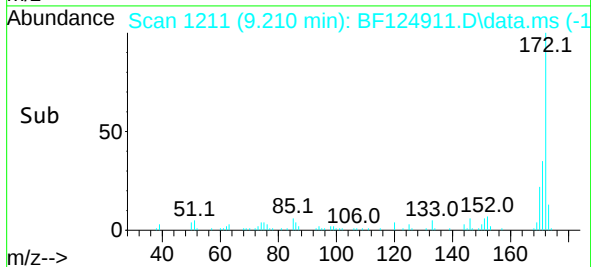
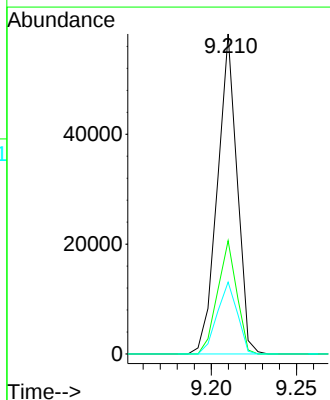
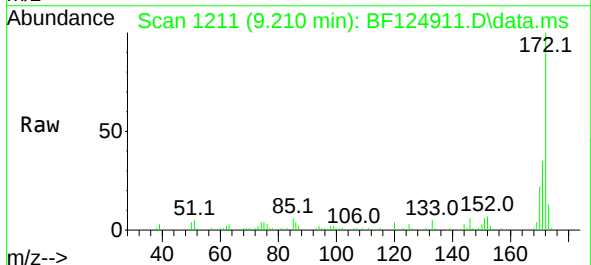


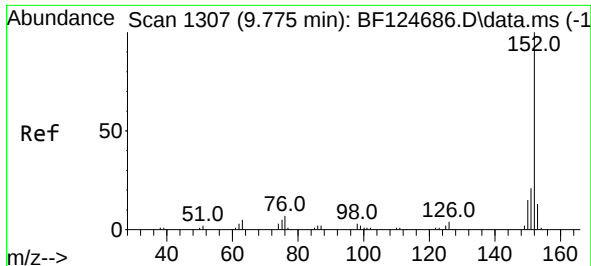
Tgt Ion:330 Resp: 6832
Ion Ratio Lower Upper
330 100
332 98.2 76.2 114.4
141 45.1 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 60.407 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion:172 Resp: 46759
Ion Ratio Lower Upper
172 100
171 35.4 26.5 39.7
170 22.5 18.8 28.2





#49

Acenaphthylene

Concen: 2.260 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.006 min

Lab File: BF124911.D

Acq: 2 Aug 2021 16:57

Tgt Ion:152 Resp: 2341

Ion Ratio Lower Upper

152 100

151 25.5 15.7 23.5#

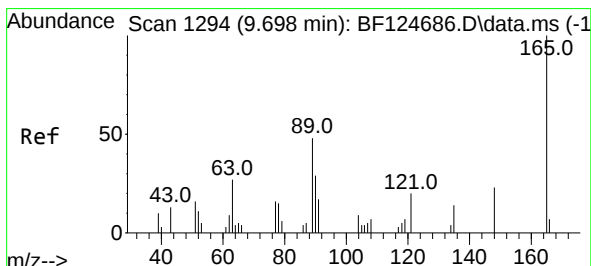
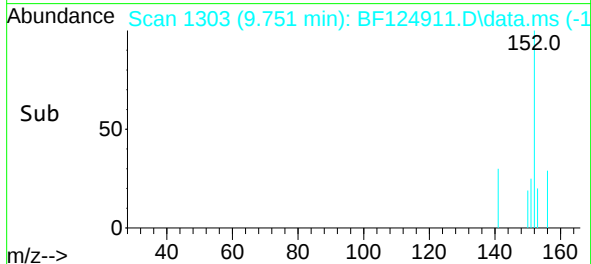
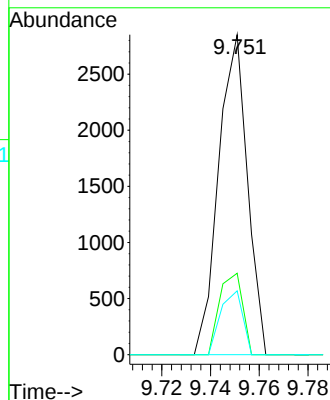
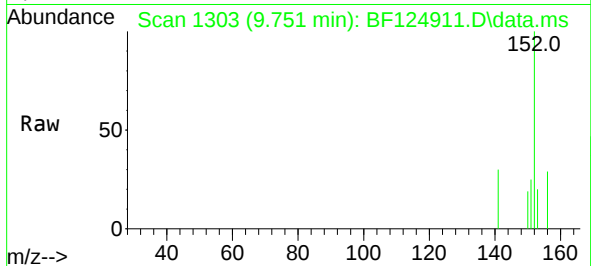
153 19.9 9.8 14.8#

Instrument :

BNA_F

ClientSampleId :

MH-2-COMP



#51

2,6-Dinitrotoluene

Concen: 7.106 ng

RT: 9.886 min Scan# 1326

Delta R.T. 0.206 min

Lab File: BF124911.D

Acq: 2 Aug 2021 16:57

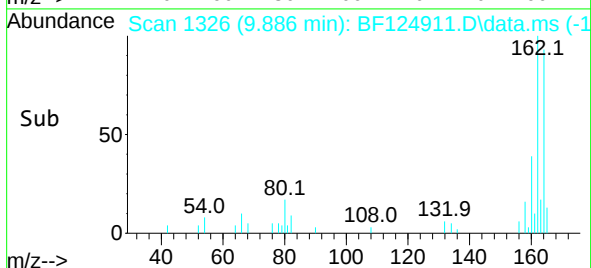
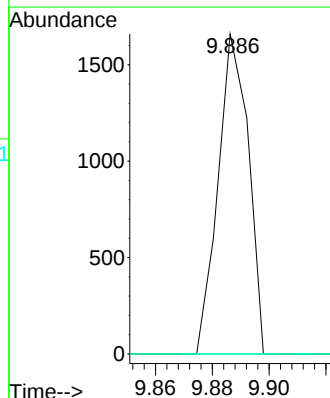
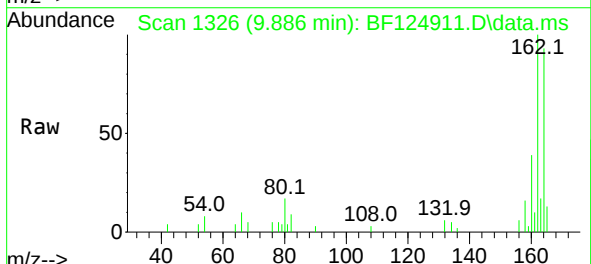
Tgt Ion:165 Resp: 1229

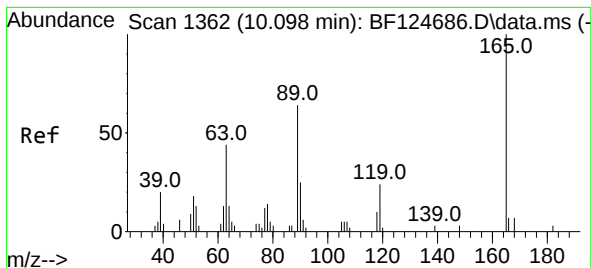
Ion Ratio Lower Upper

165 100

63 0.0 42.6 63.8#

89 0.0 40.6 60.8#

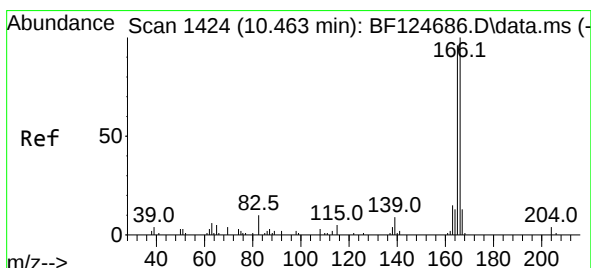
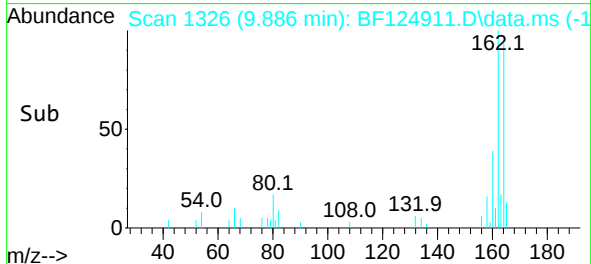
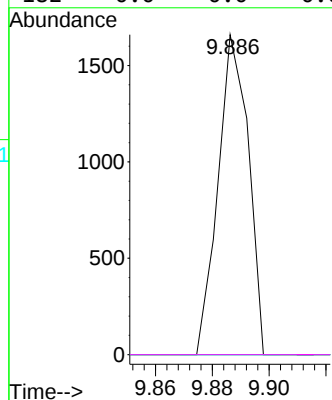
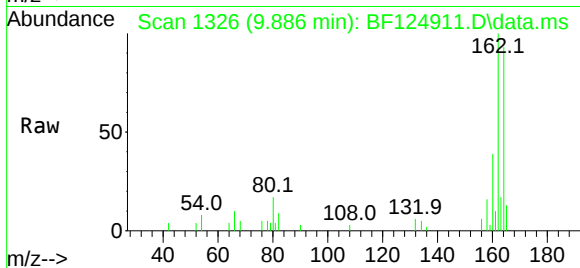




#57
2,4-Dinitrotoluene
Concen: 5.237 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.194 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

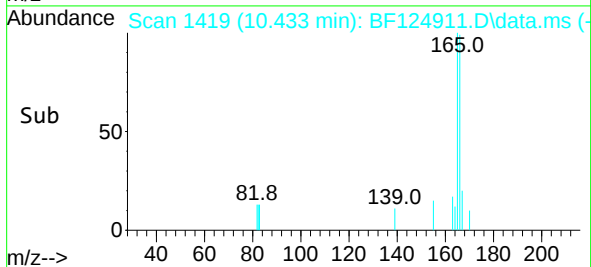
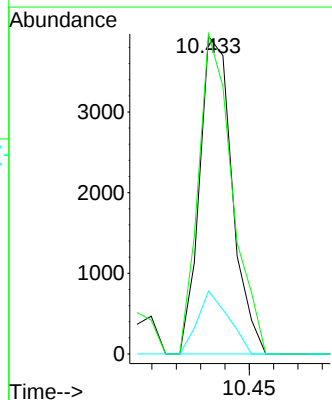
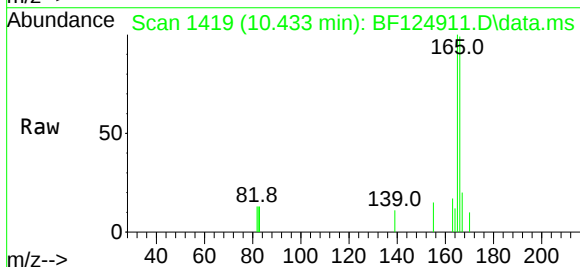
Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

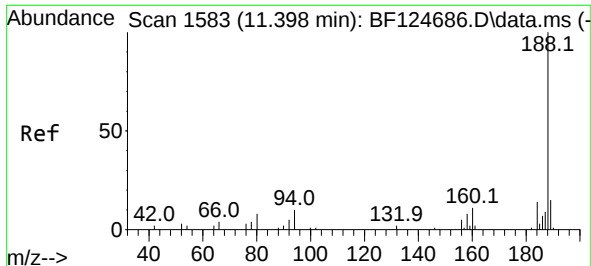
Tgt Ion:165	Resp:	1229
Ion Ratio	Lower	Upper
165	100	
63	0.0	40.9 61.3#
89	0.0	59.7 89.5#
182	0.0	0.0 0.0



#58
Fluorene
Concen: 4.875 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion:166	Resp:	3670
Ion Ratio	Lower	Upper
166	100	
165	100.7	78.1 117.1
167	19.8	11.1 16.7#

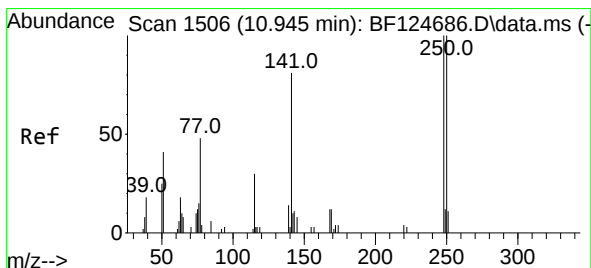
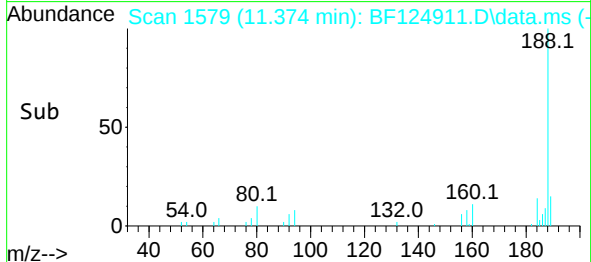
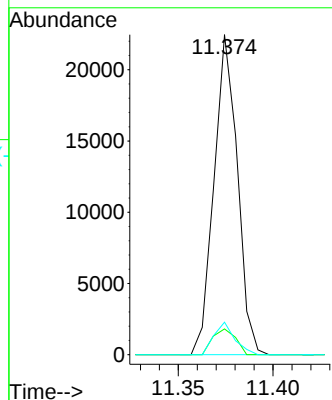
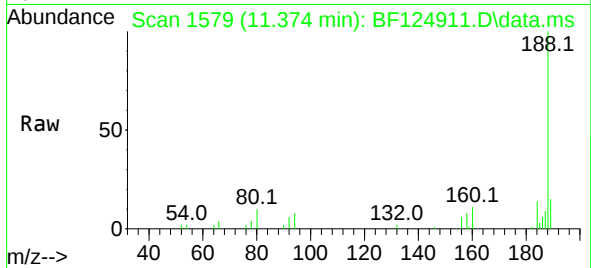




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

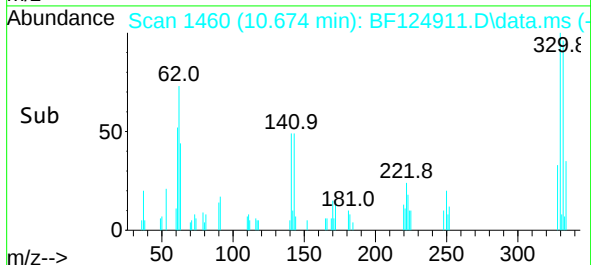
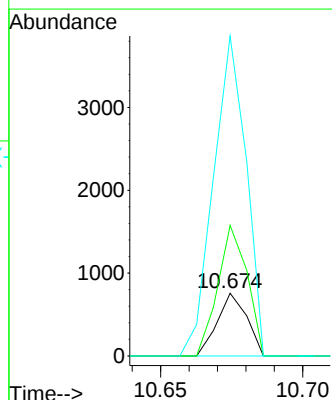
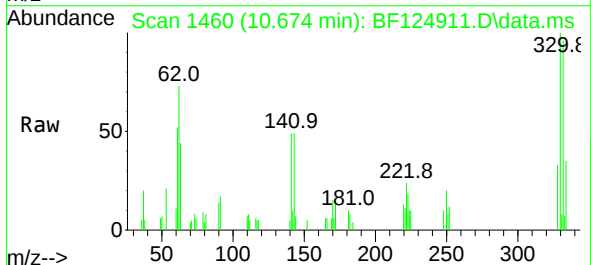
Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

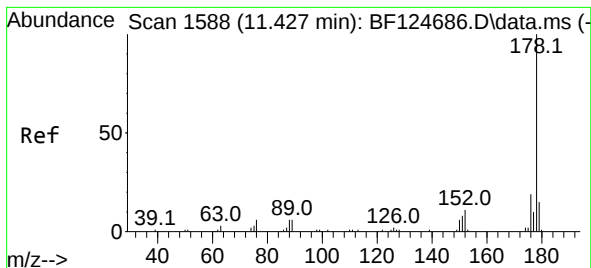
Tgt Ion:188 Resp: 19302
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 10.1 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.672 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion:248 Resp: 547
Ion Ratio Lower Upper
248 100
250 207.9 74.2 111.4#
141 509.6 60.4 90.6#

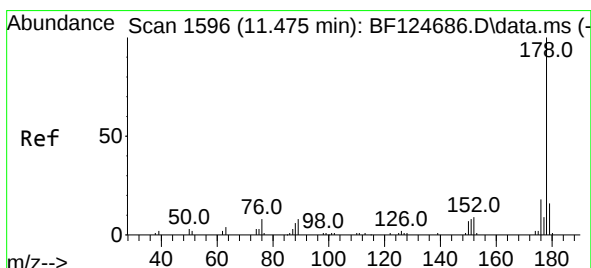
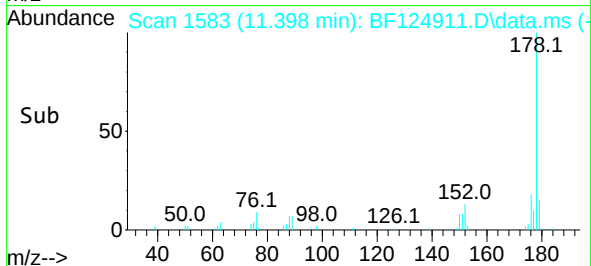
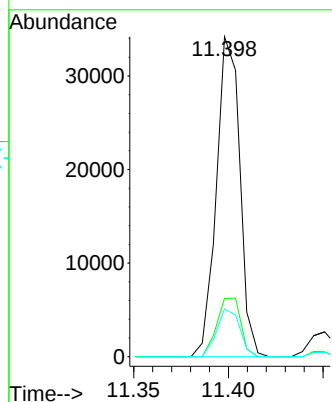
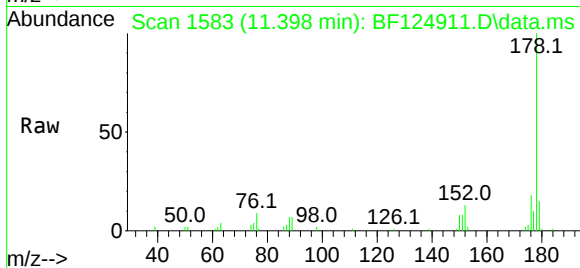




#71
Phenanthrene
Concen: 28.349 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

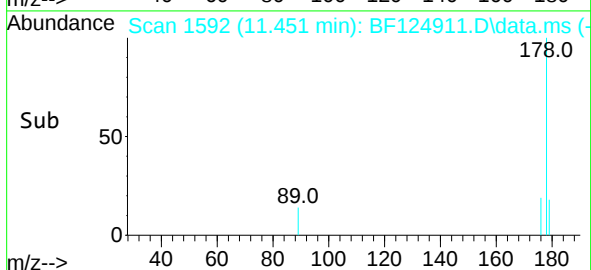
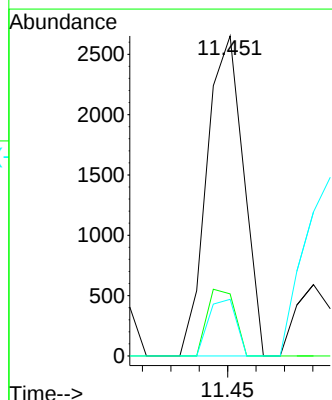
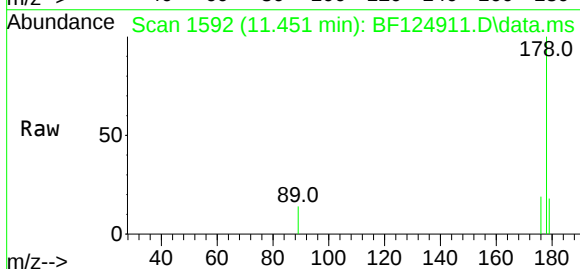
Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

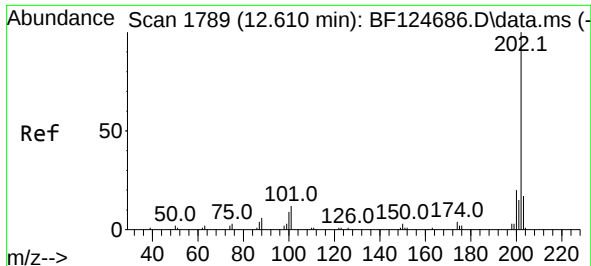
Tgt Ion:178 Resp: 29430
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 14.9 11.5 17.3



#72
Anthracene
Concen: 2.285 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion:178 Resp: 2371
Ion Ratio Lower Upper
178 100
176 19.4 14.3 21.5
179 17.7 12.2 18.4

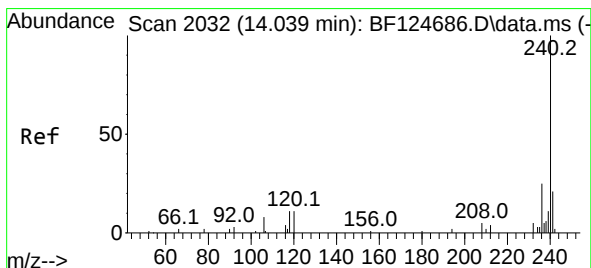
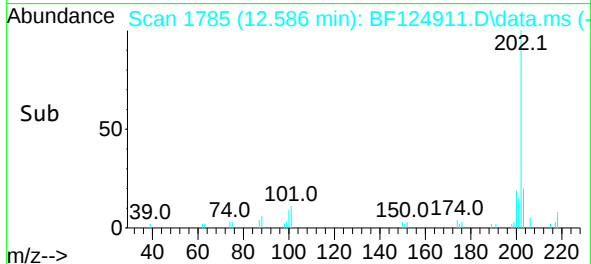
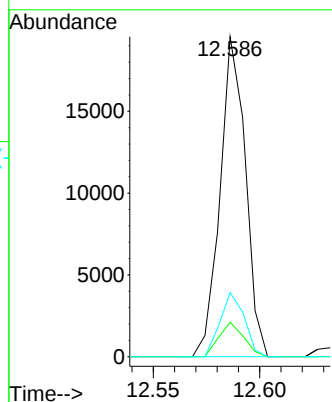
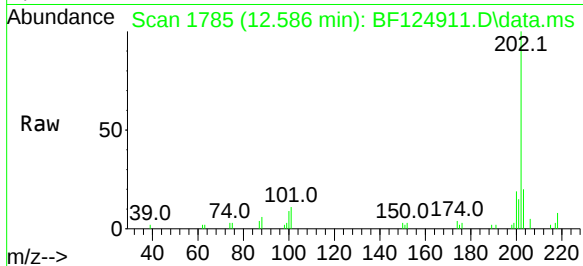




#75
Fluoranthene
Concen: 15.295 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

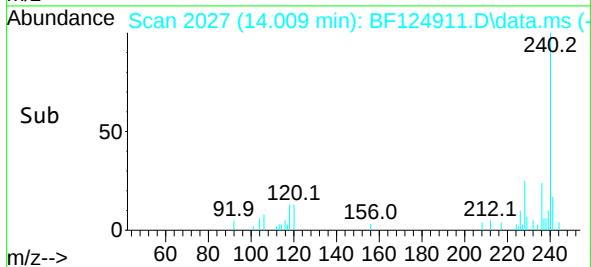
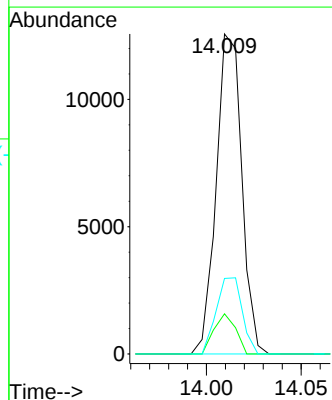
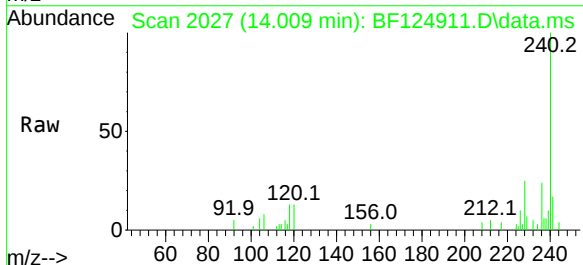
Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

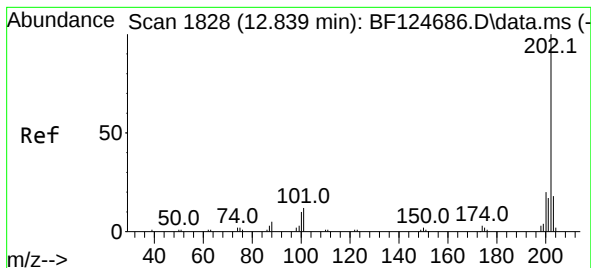
Tgt Ion:202	Resp:	16203
Ion Ratio	Lower	Upper
202	100	
101	10.7	0.0 30.7
203	20.0	0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion:240	Resp:	11788
Ion Ratio	Lower	Upper
240	100	
120	12.6	10.8 16.2
236	23.6	21.6 32.4





#78

Pyrene

Concen: 25.948 ng

RT: 12.815 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF124911.D

Acq: 2 Aug 2021 16:57

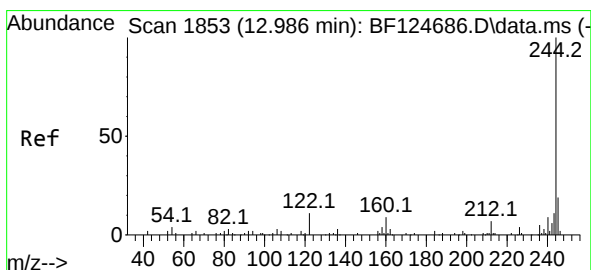
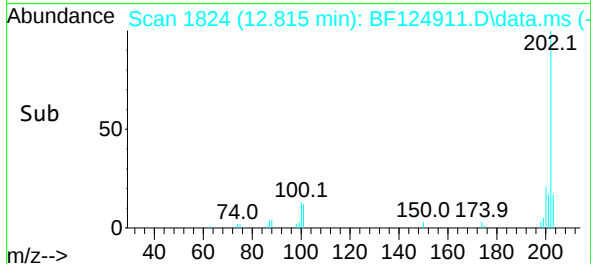
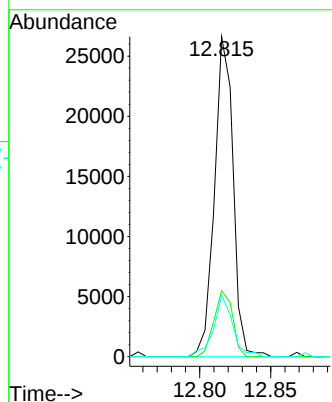
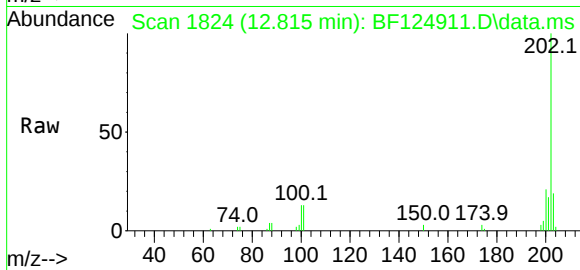
Instrument :

BNA_F

ClientSampleId :

MH-2-COMP

Tgt Ion:202	Resp:	24215
Ion Ratio	Lower	Upper
202	100	
200	20.6	15.3 22.9
203	19.1	13.4 20.0



#79

Terphenyl-d14

Concen: 55.509 ng

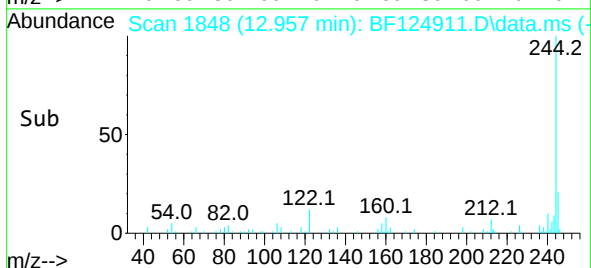
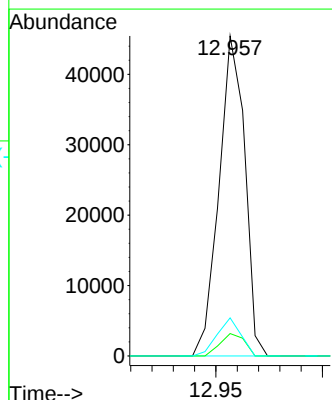
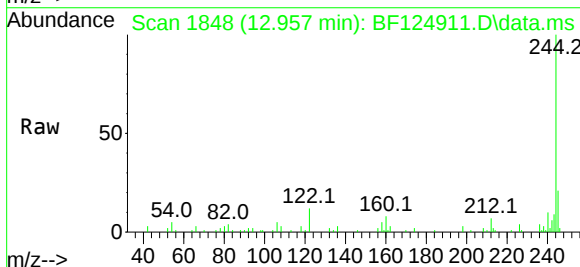
RT: 12.957 min Scan# 1848

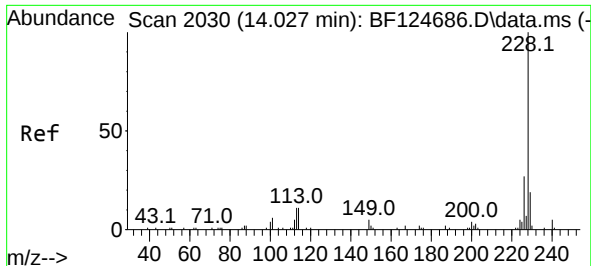
Delta R.T. -0.006 min

Lab File: BF124911.D

Acq: 2 Aug 2021 16:57

Tgt Ion:244	Resp:	38173
Ion Ratio	Lower	Upper
244	100	
212	7.0	5.9 8.9
122	11.9	9.0 13.4

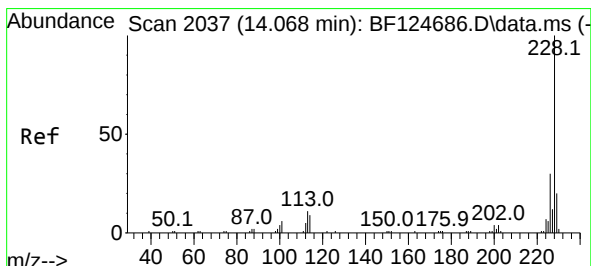
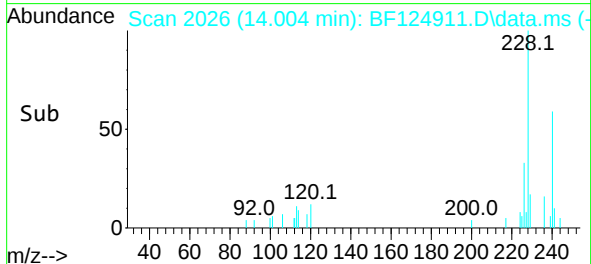
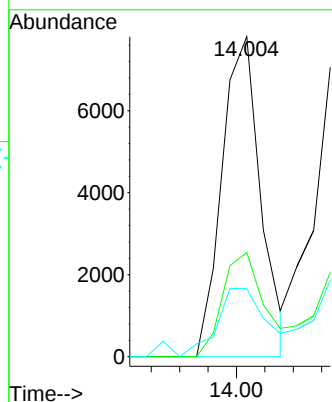
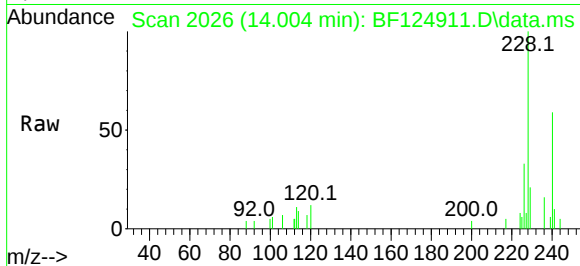




#81
Benzo(a)anthracene
Concen: 9.572 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

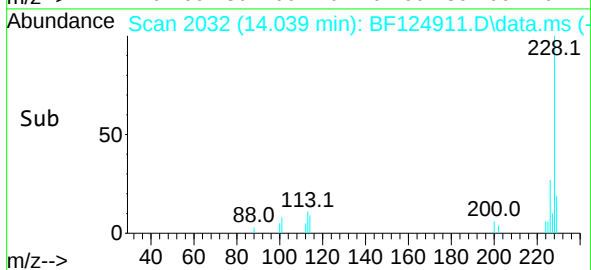
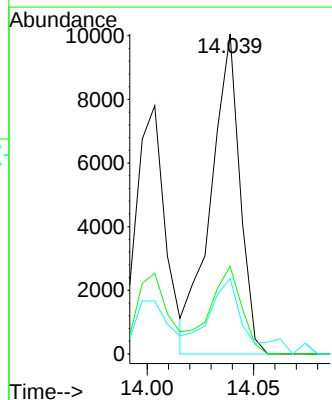
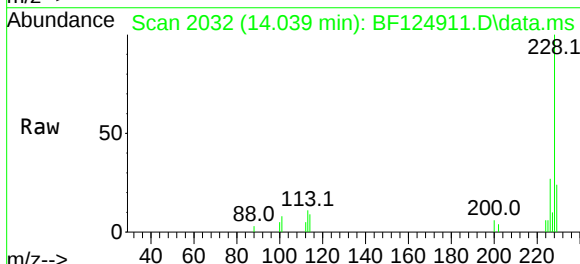
Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

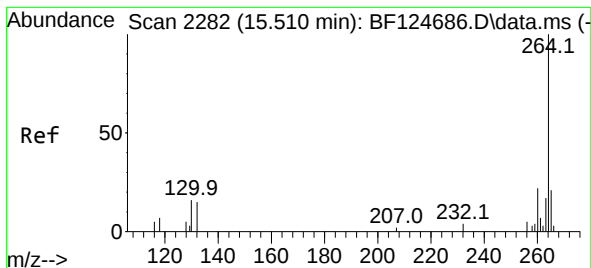
Tgt Ion:228 Resp: 7376
Ion Ratio Lower Upper
228 100
226 32.5 21.6 32.4#
229 21.2 15.6 23.4



#83
Chrysene
Concen: 12.816 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion:228 Resp: 9514
Ion Ratio Lower Upper
228 100
226 27.4 22.6 34.0
229 23.6 15.9 23.9



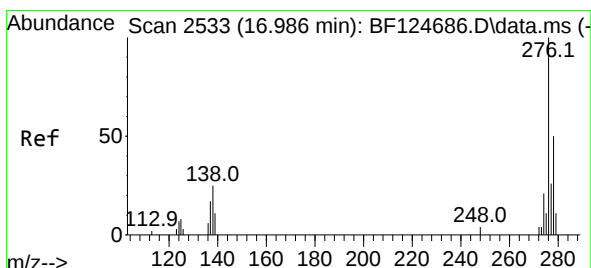
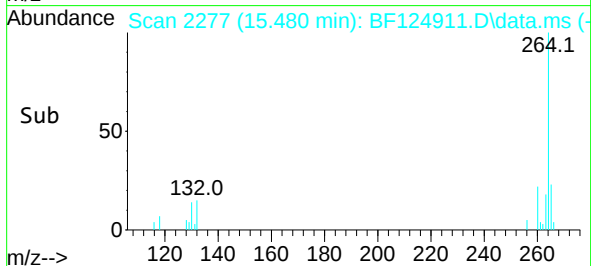
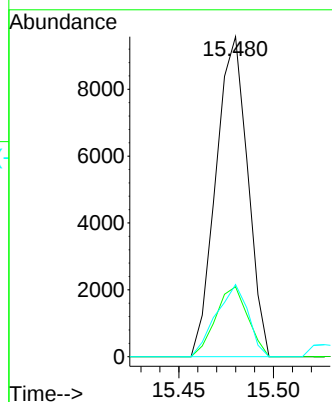
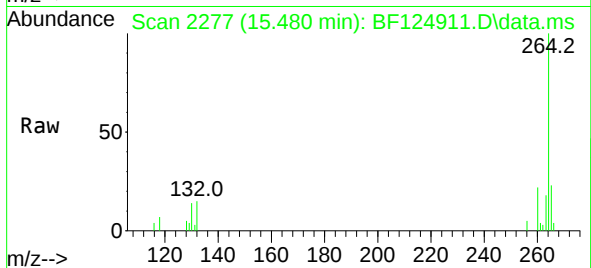


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

Tgt Ion:264 Resp: 11137

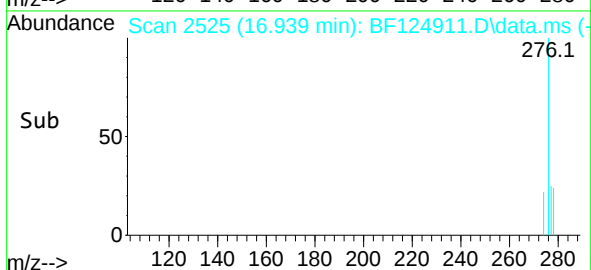
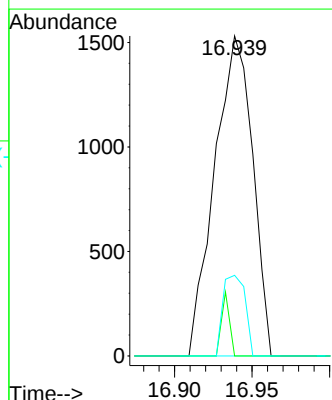
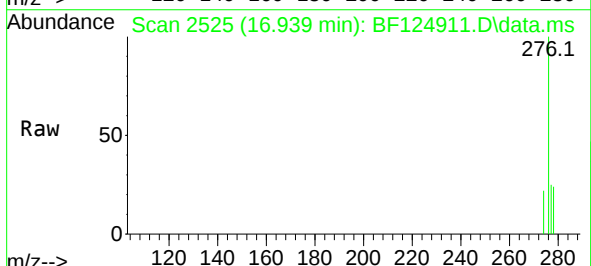
Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.6	29.4
265	22.5	17.2	25.8

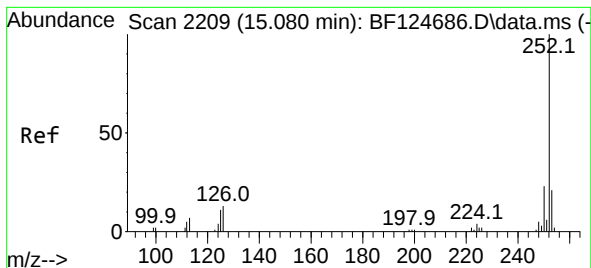


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.062 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.012 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion:276 Resp: 2612

Ion	Ratio	Lower	Upper
276	100		
138	4.1	24.1	36.1#
277	14.7	18.8	28.2#





#88

Benzo(b)fluoranthene

Concen: 11.082 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BF124911.D

Acq: 2 Aug 2021 16:57

Instrument :

BNA_F

ClientSampleId :

MH-2-COMP

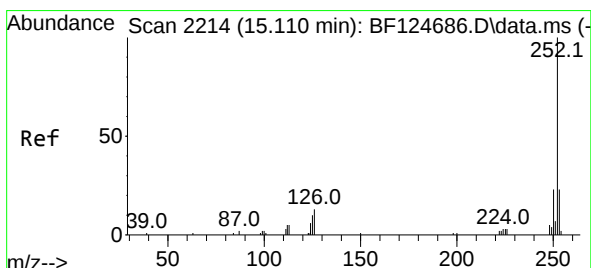
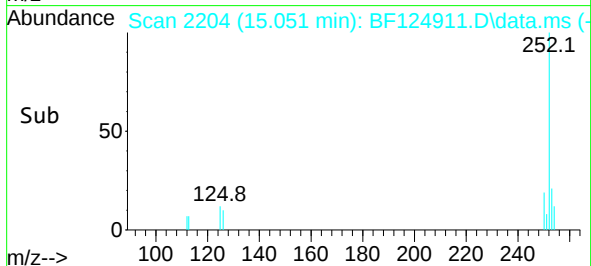
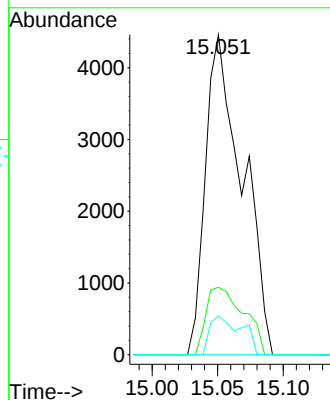
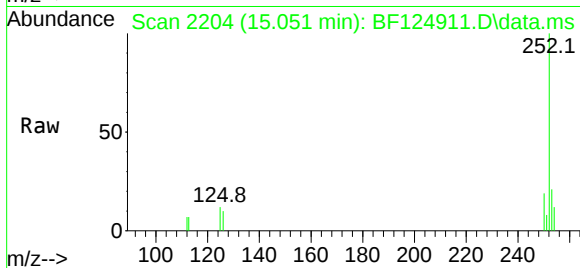
Tgt Ion:252 Resp: 8690

Ion Ratio Lower Upper

252 100

253 21.0 16.8 25.2

125 12.1 9.8 14.8



#89

Benzo(k)fluoranthene

Concen: 12.129 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.035 min

Lab File: BF124911.D

Acq: 2 Aug 2021 16:57

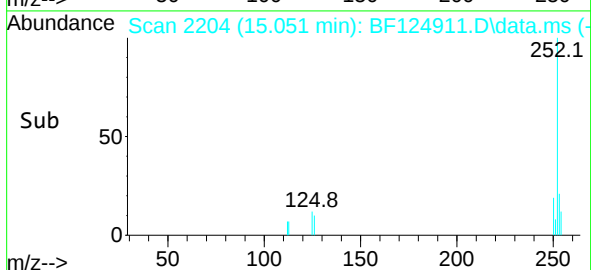
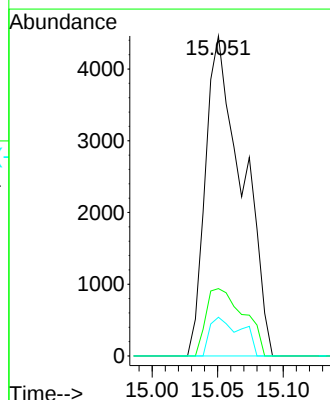
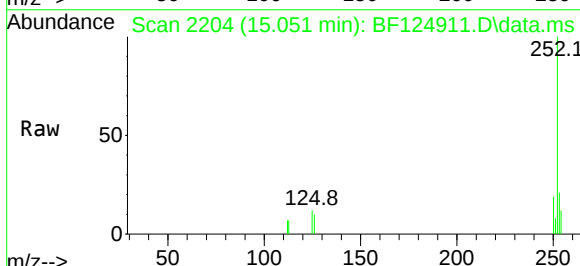
Tgt Ion:252 Resp: 8690

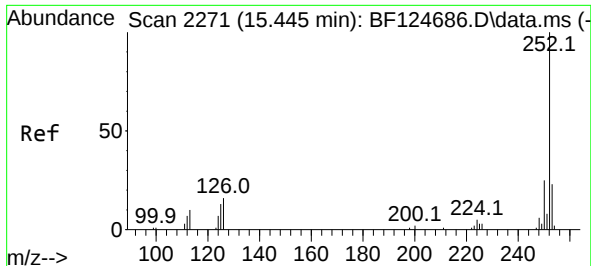
Ion Ratio Lower Upper

252 100

253 21.0 17.8 26.8

125 12.1 7.2 10.8#

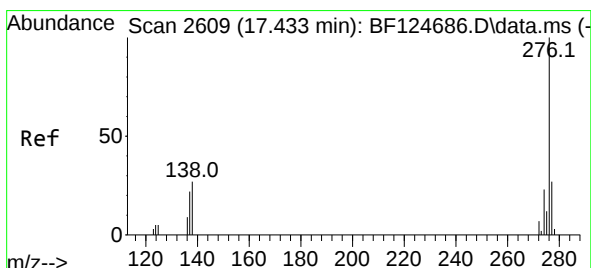
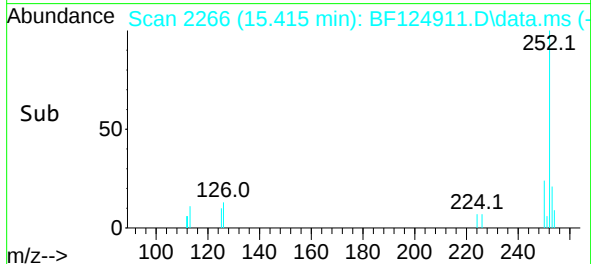
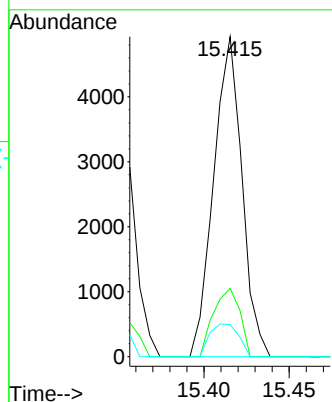
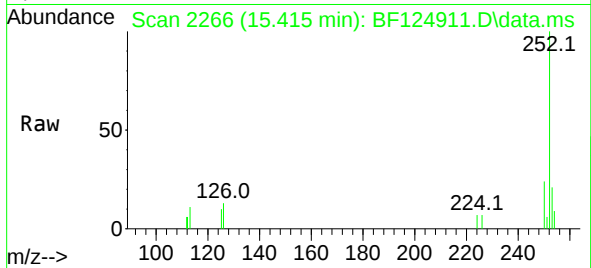




#90
Benzo(a)pyrene
Concen: 8.682 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Instrument :
BNA_F
ClientSampleId :
MH-2-COMP

Tgt Ion:252 Resp: 5687
Ion Ratio Lower Upper
252 100
253 21.4 18.4 27.6
125 10.0 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 4.079 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.018 min
Lab File: BF124911.D
Acq: 2 Aug 2021 16:57

Tgt Ion:276 Resp: 2177
Ion Ratio Lower Upper
276 100
277 34.0 22.0 33.0#
138 29.5 22.2 33.4

