

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080221\
 Data File : BF124913.D
 Acq On : 2 Aug 2021 18:03
 Operator : JU/CG
 Sample : M3234-01DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072921DL

Quant Time: Aug 02 18:32:55 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)

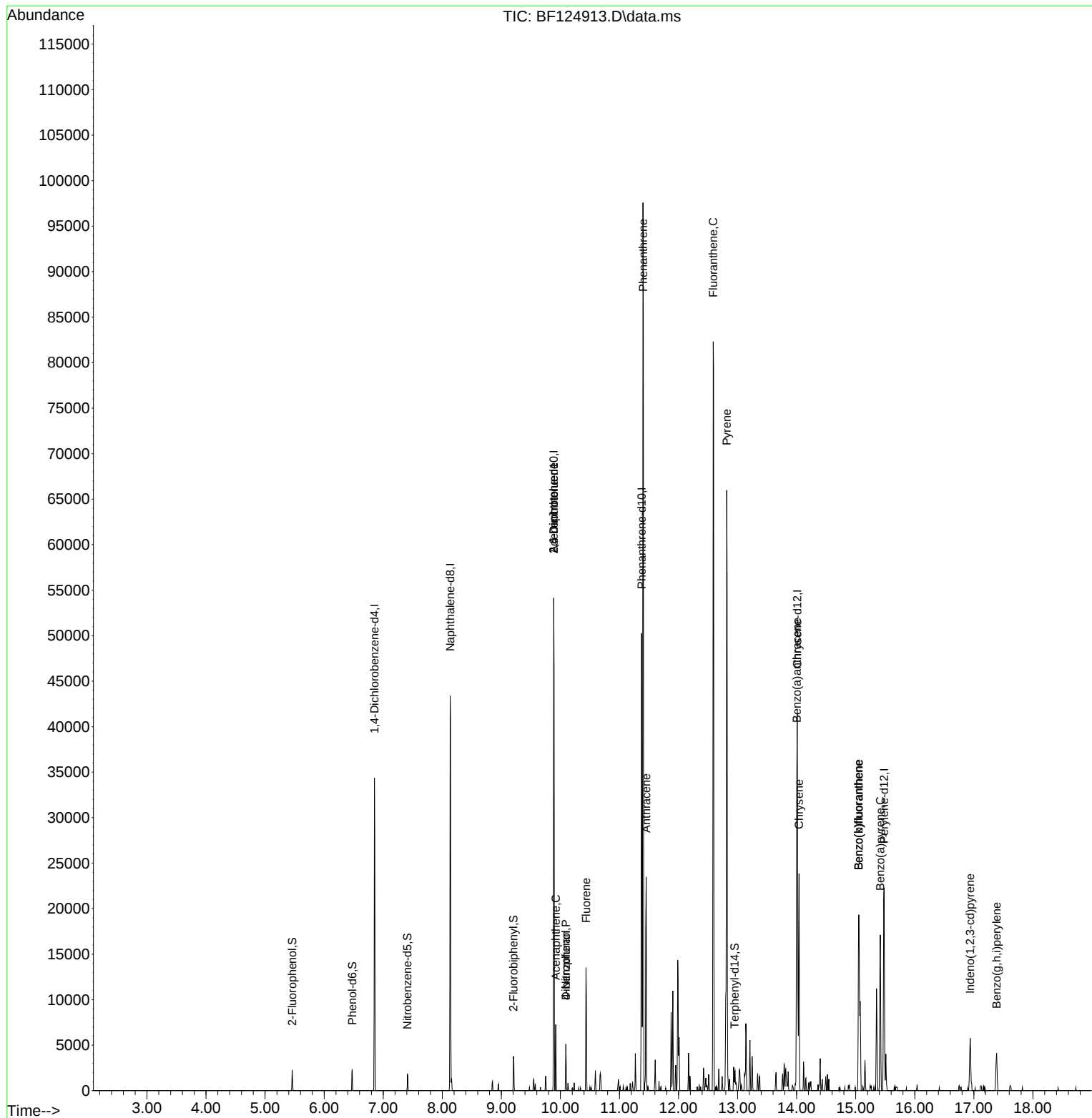
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	4968	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	20160	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	10985	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	18462	20.000	ng	0.00
76) Chrysene-d12	14.010	240	11989	20.000	ng	-0.01
86) Perylene-d12	15.480	264	11904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	910	3.101	ng	-0.02
7) Phenol-d6	6.475	99	1186	3.224	ng	-0.01
23) Nitrobenzene-d5	7.410	82	772	2.279	ng	-0.02
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.204	172	1947	2.603	ng	-0.01
79) Terphenyl-d14	12.951	244	1609	2.300	ng	-0.01
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.886	165	1422	8.510	ng	# 26
52) Acenaphthene	9.922	154	1838	2.770	ng	87
55) Dibenzofuran	10.092	168	2511	2.648	ng	98
56) 4-Nitrophenol	10.092	139	946	6.814	ng	# 10
57) 2,4-Dinitrotoluene	9.886	165	1422	6.271	ng	# 18
58) Fluorene	10.433	166	3956	5.438	ng	93
71) Phenanthrene	11.398	178	37054	37.316	ng	99
72) Anthracene	11.451	178	9774	9.846	ng	99
75) Fluoranthene	12.586	202	35317	34.854	ng	97
78) Pyrene	12.816	202	28503	30.030	ng	98
81) Benzo(a)anthracene	14.004	228	11885	15.166	ng	98
83) Chrysene	14.039	228	10326	13.677	ng	95
87) Indeno(1,2,3-cd)pyrene	16.939	276	4636	6.746	ng	# 83
88) Benzo(b)fluoranthene	15.051	252	17267	20.602	ng	# 94
89) Benzo(k)fluoranthene	15.051	252	17267	22.547	ng	98
90) Benzo(a)pyrene	15.416	252	8611	12.299	ng	98
92) Benzo(g,h,i)perylene	17.386	276	3665	6.424	ng	# 90

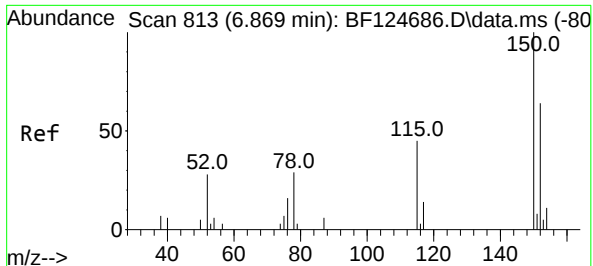
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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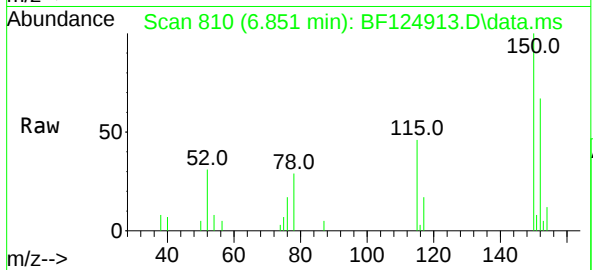
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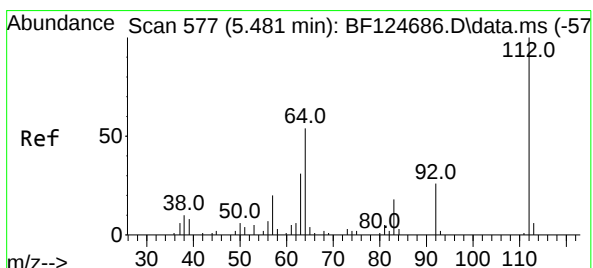
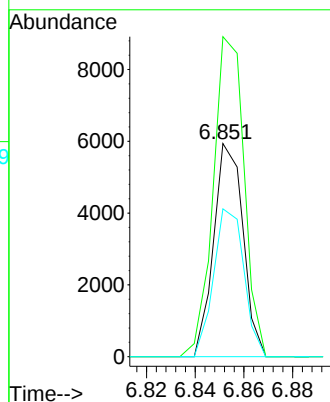
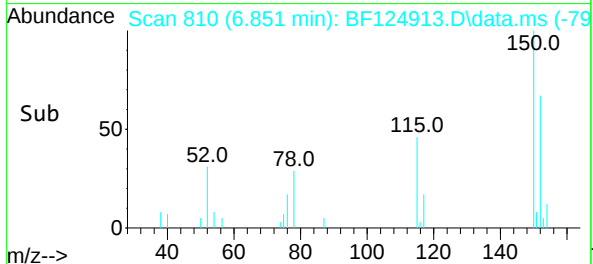


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

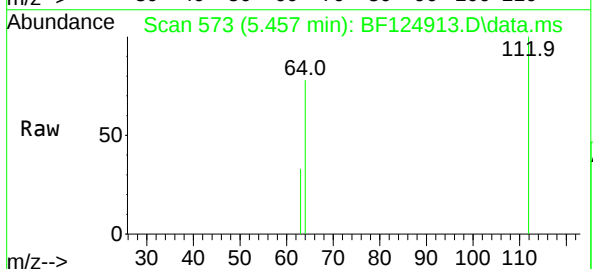
Instrument :
BNA_F
ClientSampleId :
OR-03-072921DL



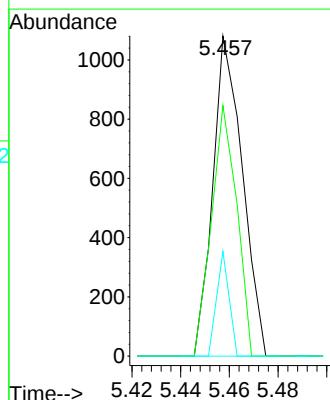
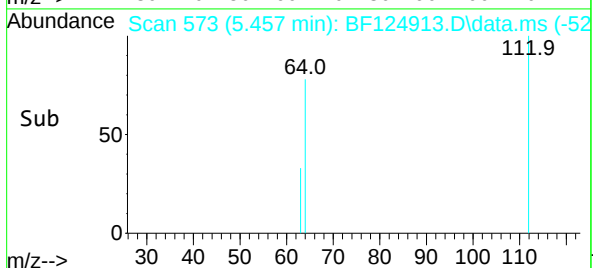
Tgt Ion:152 Resp: 4968
Ion Ratio Lower Upper
152 100
150 150.1 117.6 176.4
115 69.4 47.1 70.7

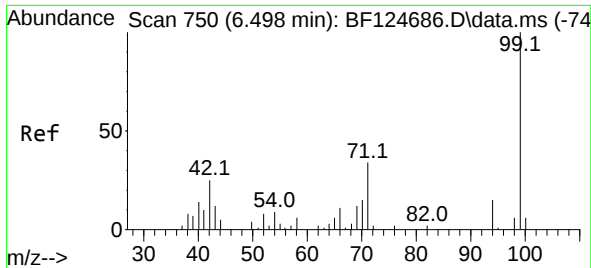


#5
2-Fluorophenol
Concen: 3.101 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.017 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03



Tgt Ion:112 Resp: 910
Ion Ratio Lower Upper
112 100
64 78.3 44.2 66.2#
63 32.7 26.2 39.2

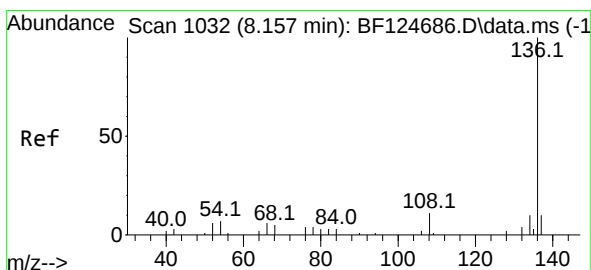
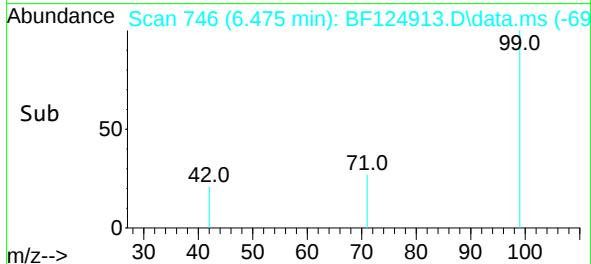
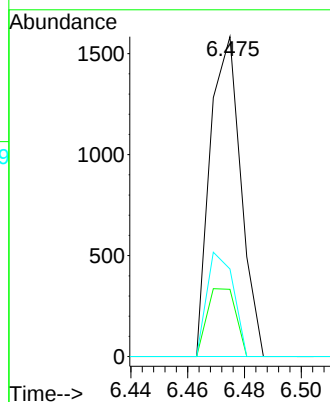
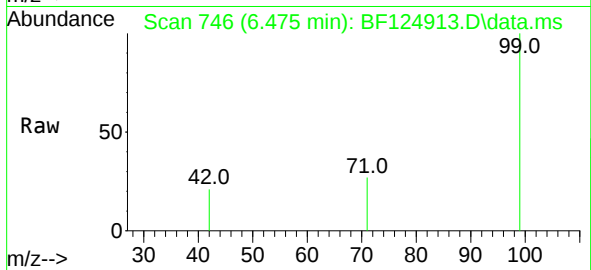




#7
Phenol-d6
Concen: 3.224 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

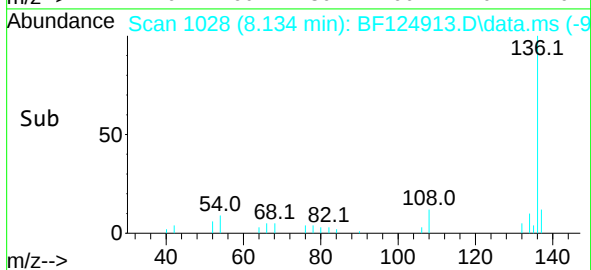
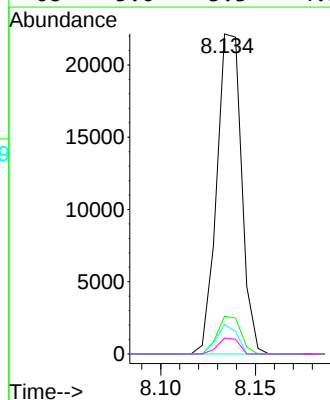
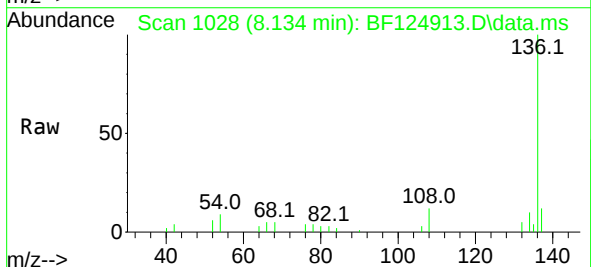
Instrument :
BNA_F
ClientSampleId :
OR-03-072921DL

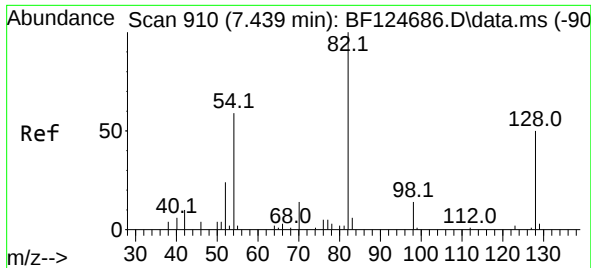
Tgt Ion: 99 Resp: 1186
Ion Ratio Lower Upper
99 100
42 21.0 23.5 35.3#
71 27.4 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

Tgt Ion: 136 Resp: 20160
Ion Ratio Lower Upper
136 100
137 11.8 9.8 14.6
54 9.2 6.4 9.6
68 5.0 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 2.279 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.017 min

Lab File: BF124913.D

Acq: 2 Aug 2021 18:03

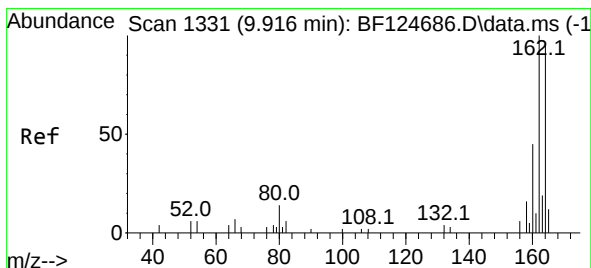
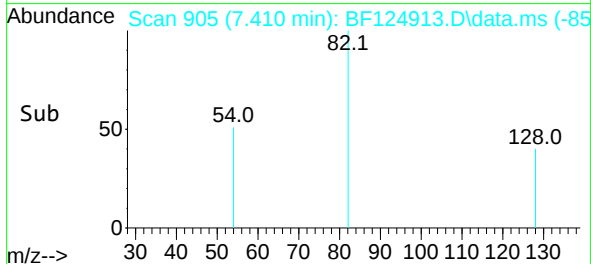
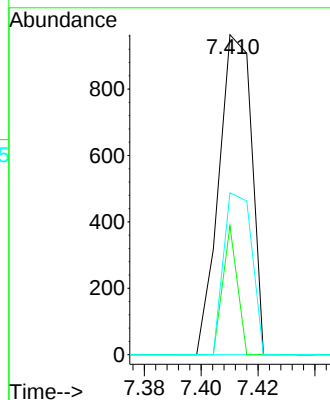
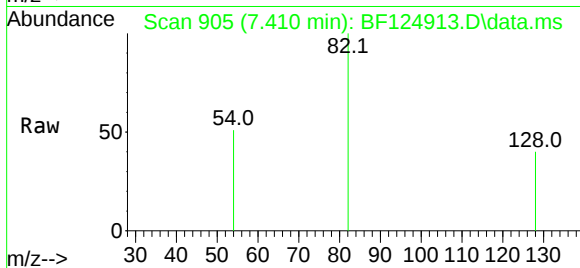
Tgt Ion:	82	Resp:	772
Ion	Ratio	Lower	Upper
82	100		
128	40.2	40.6	60.8#
54	50.6	49.6	74.4

Instrument :

BNA_F

ClientSampleId :

OR-03-072921DL



#39

Acenaphthene-d10

Concen: 20.000 ng

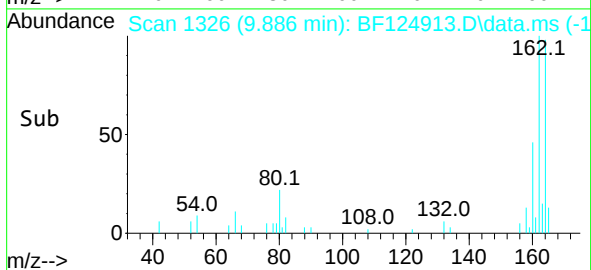
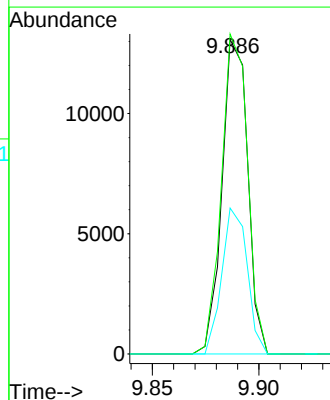
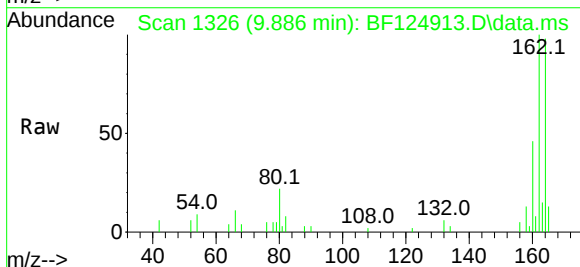
RT: 9.886 min Scan# 1326

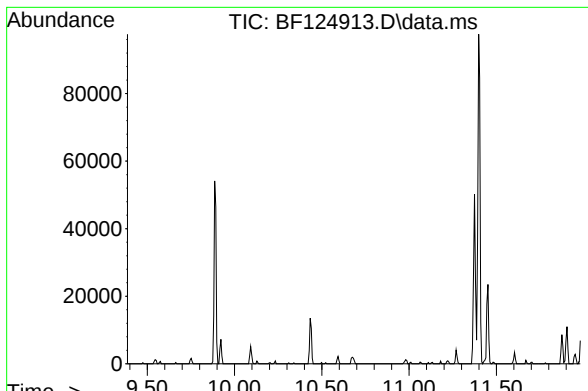
Delta R.T. -0.006 min

Lab File: BF124913.D

Acq: 2 Aug 2021 18:03

Tgt Ion:	164	Resp:	10985
Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.3	121.9
160	46.4	38.0	57.0



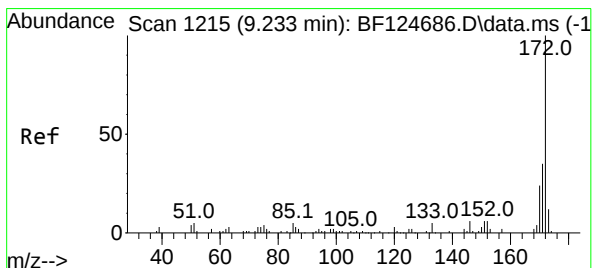
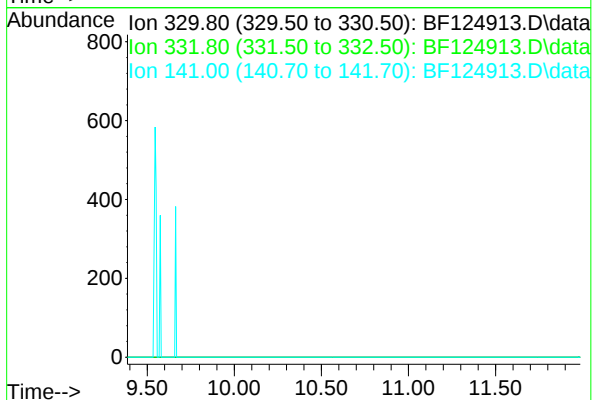


#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.69 min

Lab File: BF124913.D
 Acq: 2 Aug 2021 18:03

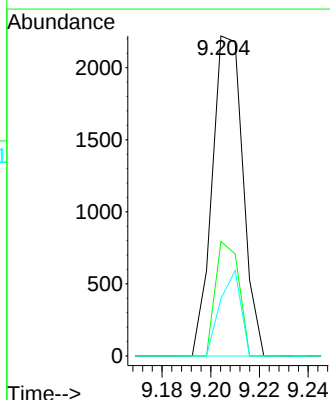
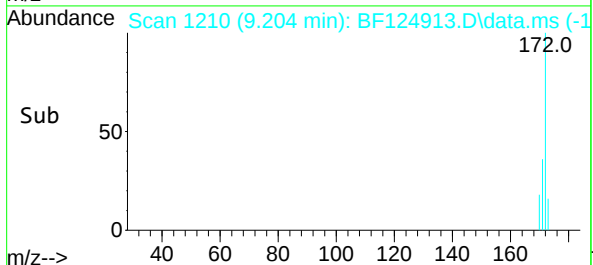
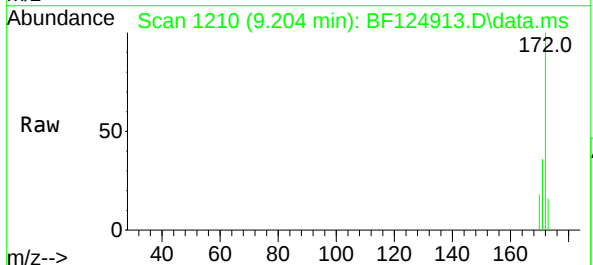
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 95.3
 141 55.7

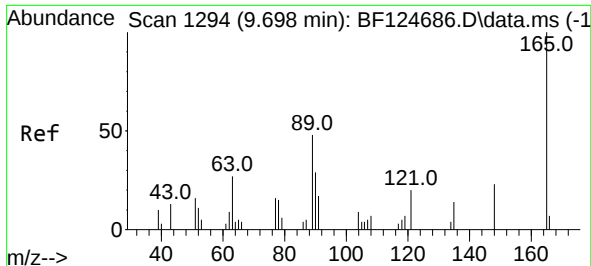
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072921DL



#45
 2-Fluorobiphenyl
 Concen: 2.603 ng
 RT: 9.204 min Scan# 1210
 Delta R.T. -0.012 min
 Lab File: BF124913.D
 Acq: 2 Aug 2021 18:03

Tgt Ion: 172 Resp: 1947
 Ion Ratio Lower Upper
 172 100
 171 35.7 26.5 39.7
 170 17.8 18.8 28.2#

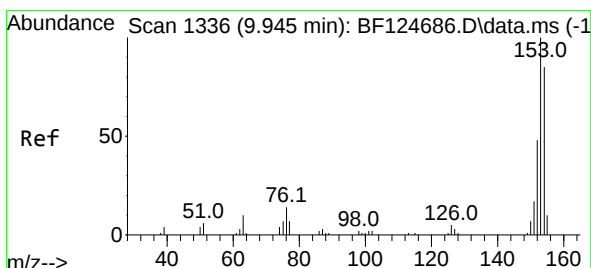
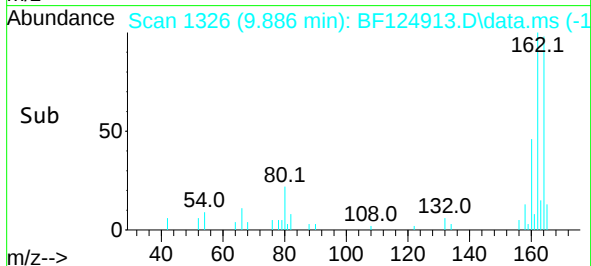
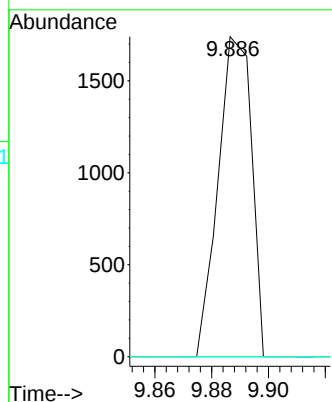
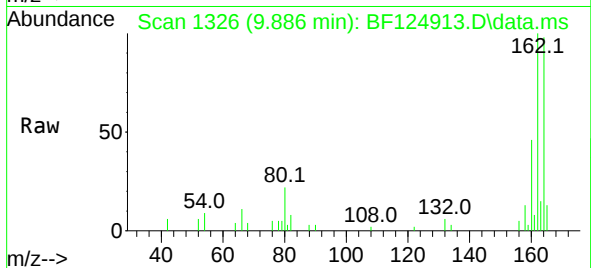




#51
2,6-Dinitrotoluene
Concen: 8.510 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.206 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

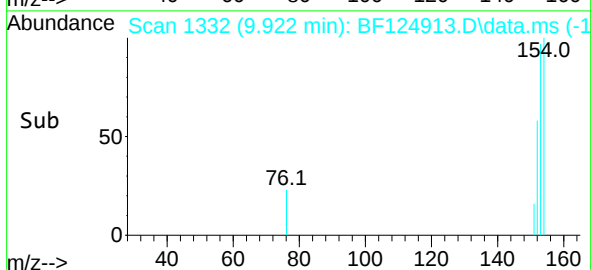
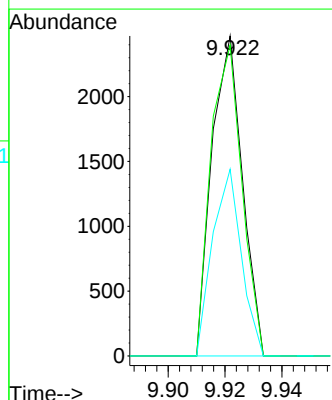
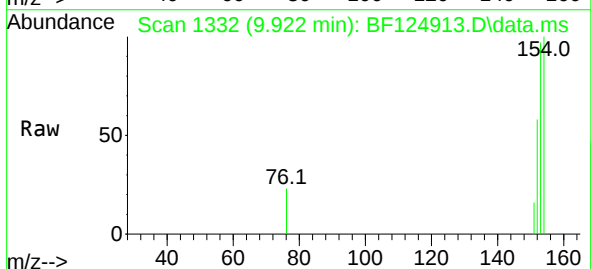
Instrument :
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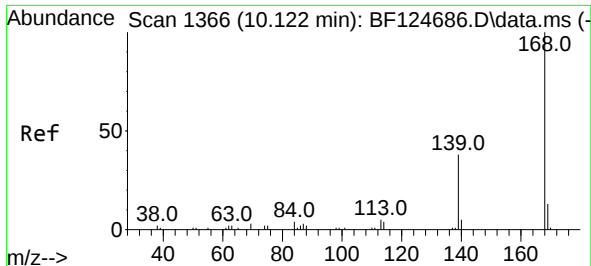
Tgt Ion:165 Resp: 1422
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#52
Acenaphthene
Concen: 2.770 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

Tgt Ion:154 Resp: 1838
Ion Ratio Lower Upper
154 100
153 97.2 89.4 134.2
152 58.3 40.5 60.7

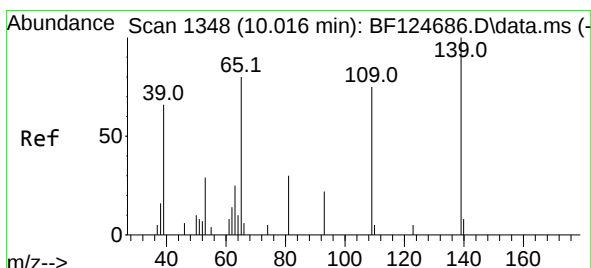
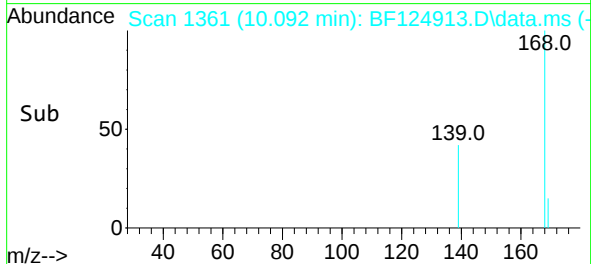
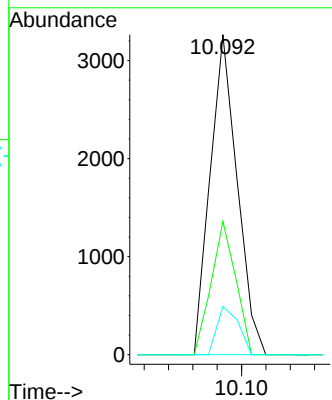
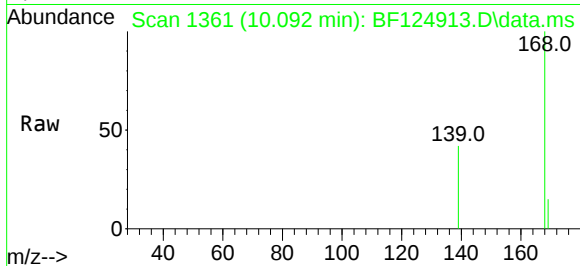




#55
Dibenzenofuran
Concen: 2.648 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

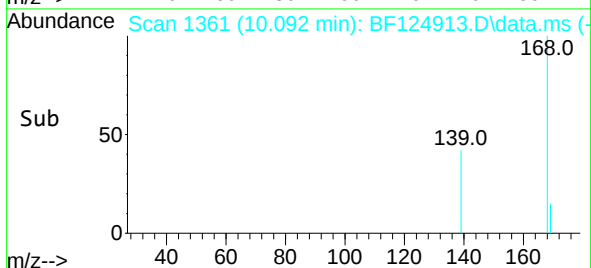
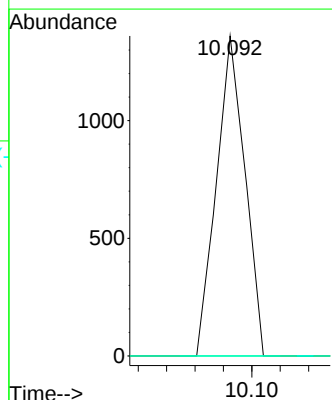
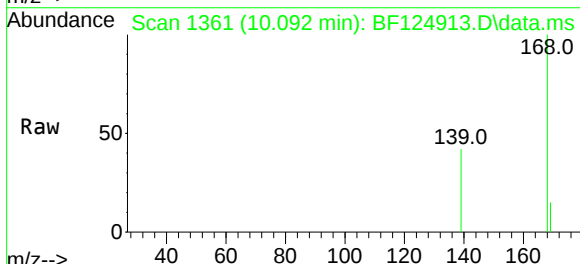
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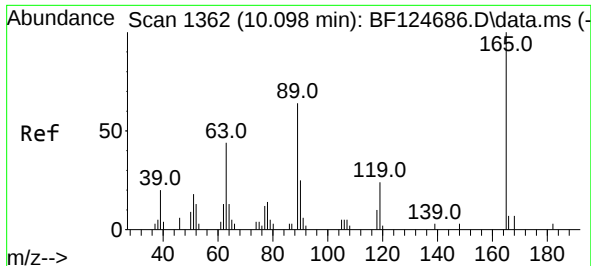
Tgt Ion:168 Resp: 2511
Ion Ratio Lower Upper
168 100
139 41.7 32.7 49.1
169 15.0 11.2 16.8



#56
4-Nitrophenol
Concen: 6.814 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.088 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

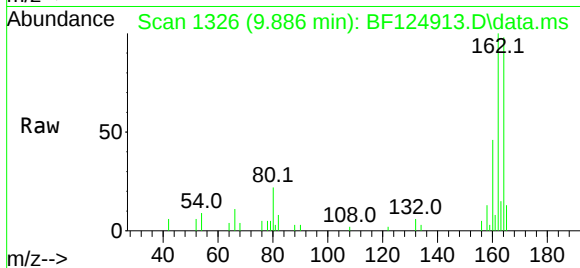
Tgt Ion:139 Resp: 946
Ion Ratio Lower Upper
139 100
109 0.0 60.4 100.4#
65 0.0 58.4 98.4#



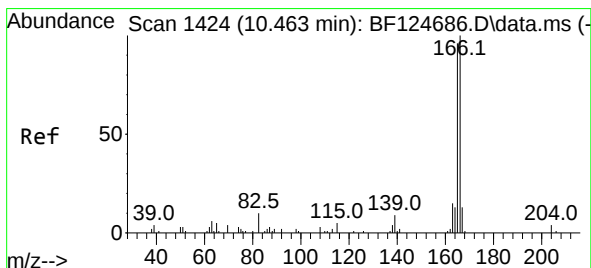
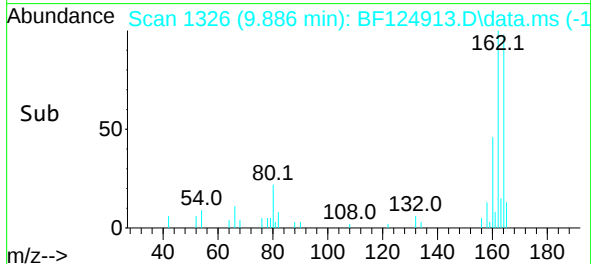
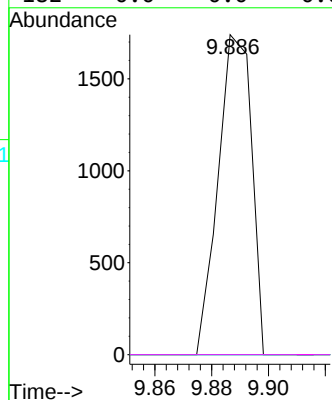


#57
2,4-Dinitrotoluene
Concen: 6.271 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.194 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

Instrument :
BNA_F
ClientSampleId :
OR-03-072921DL

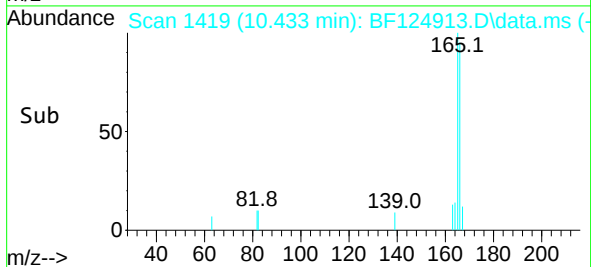
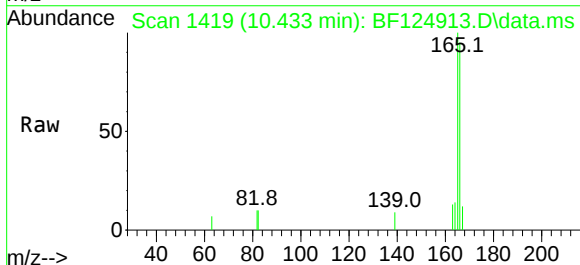
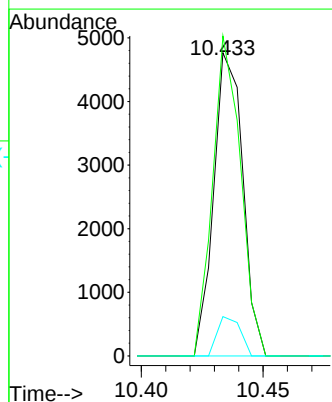


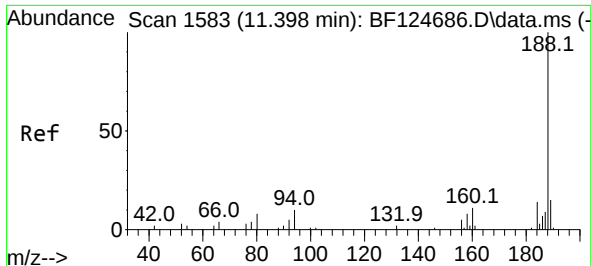
Tgt Ion:	165	Resp:	1422
Ion Ratio	Lower	Upper	
165	100		
63	0.0	40.9	61.3#
89	0.0	59.7	89.5#
182	0.0	0.0	0.0



#58
Fluorene
Concen: 5.438 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

Tgt Ion:	166	Resp:	3956
Ion Ratio	Lower	Upper	
166	100		
165	105.5	78.1	117.1
167	13.0	11.1	16.7

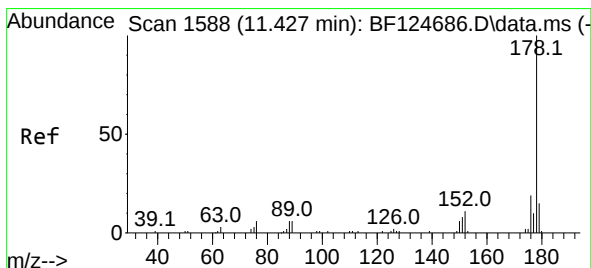
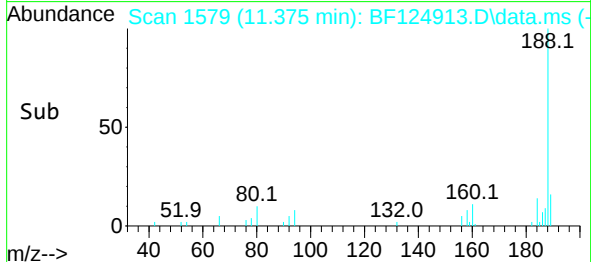
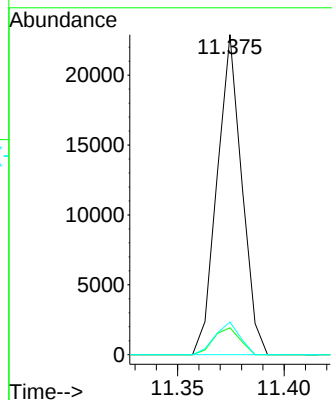
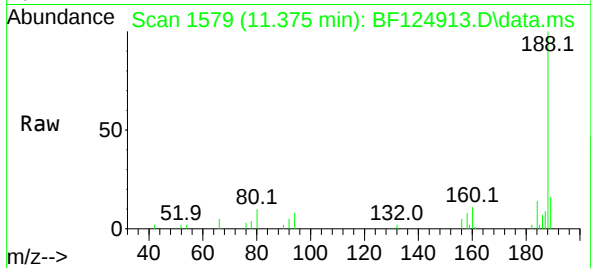




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

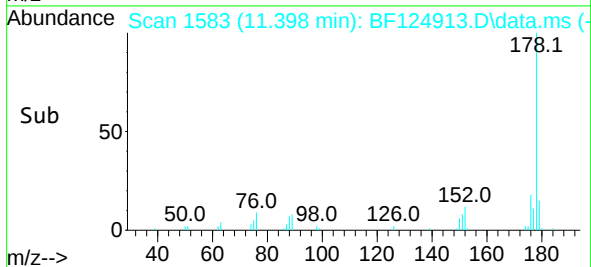
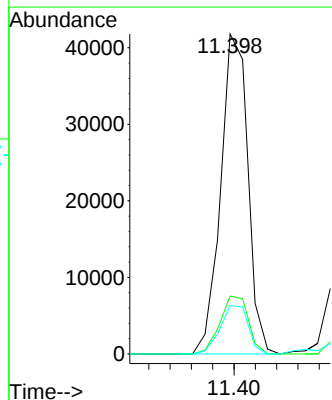
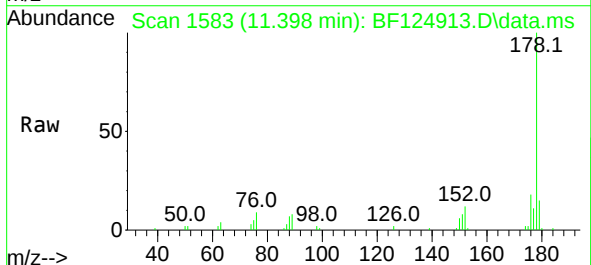
Instrument :
BNA_F
ClientSampleId :
OR-03-072921DL

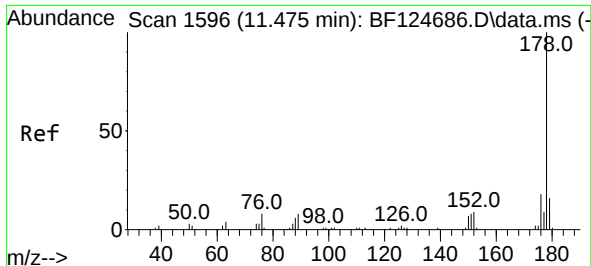
Tgt Ion:188 Resp: 18462
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 10.2 7.5 11.3



#71
Phenanthrene
Concen: 37.316 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

Tgt Ion:178 Resp: 37054
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 15.1 11.5 17.3

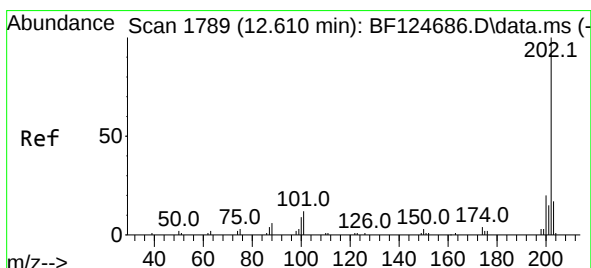
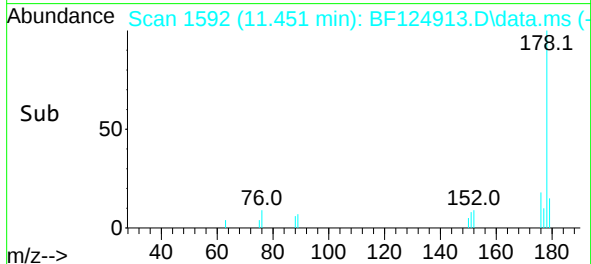
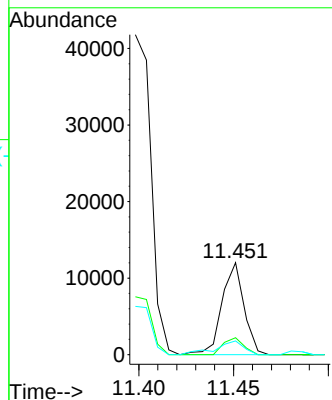
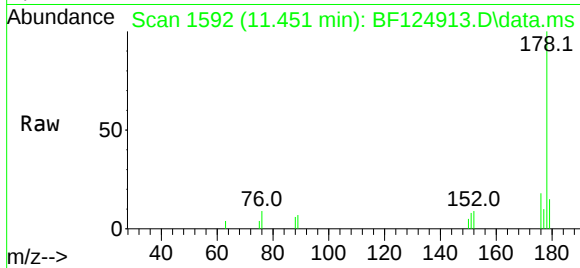




#72
 Anthracene
 Concen: 9.846 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF124913.D
 Acq: 2 Aug 2021 18:03

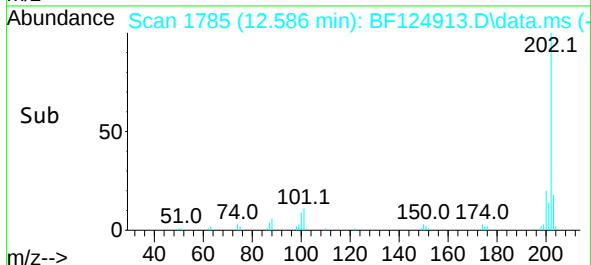
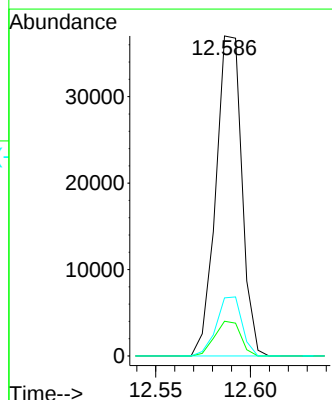
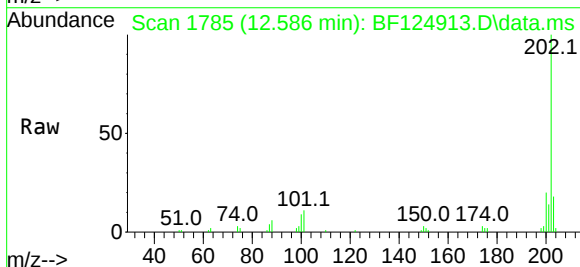
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072921DL

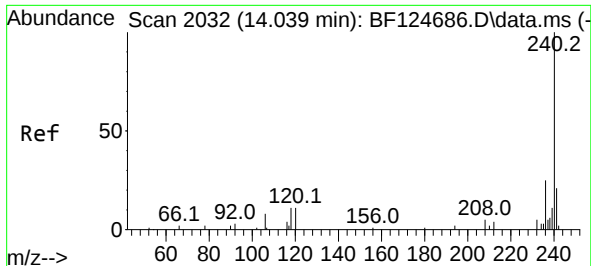
Tgt Ion:178 Resp: 9774
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 14.9 12.2 18.4



#75
 Fluoranthene
 Concen: 34.854 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. -0.006 min
 Lab File: BF124913.D
 Acq: 2 Aug 2021 18:03

Tgt Ion:202 Resp: 35317
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 30.7
 203 18.2 0.0 36.3

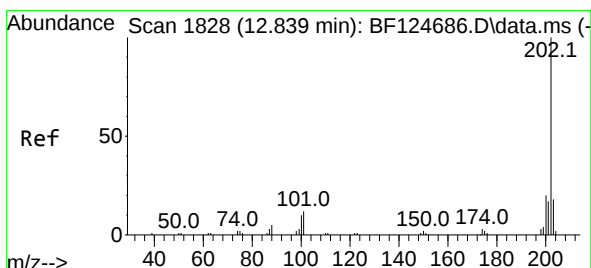
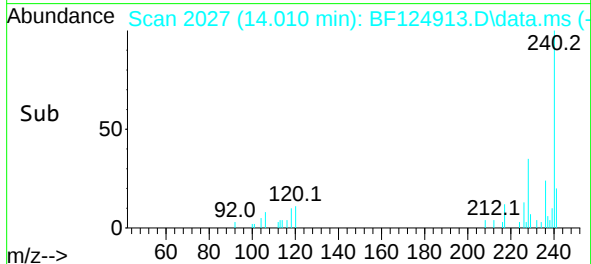
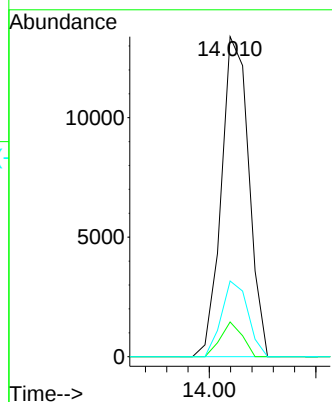
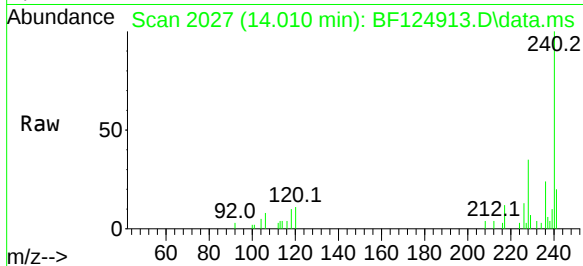




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

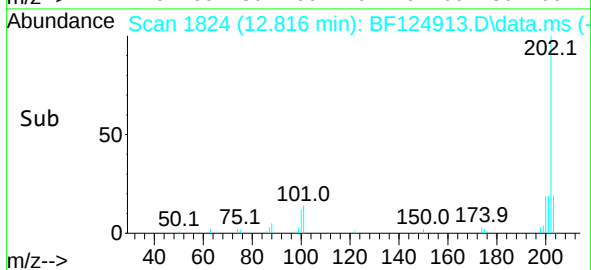
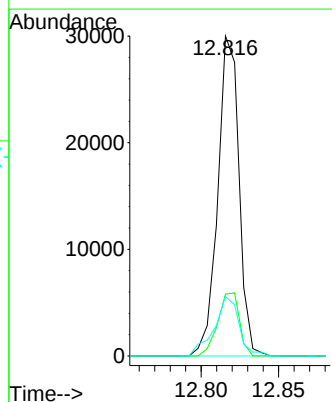
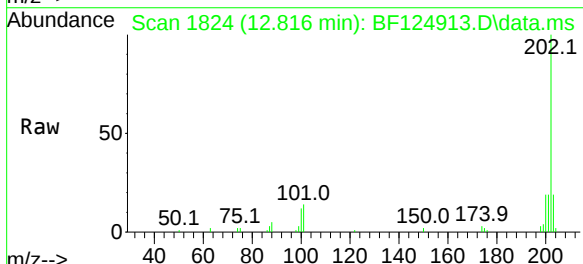
Instrument :
BNA_F
ClientSampleId :
OR-03-072921DL

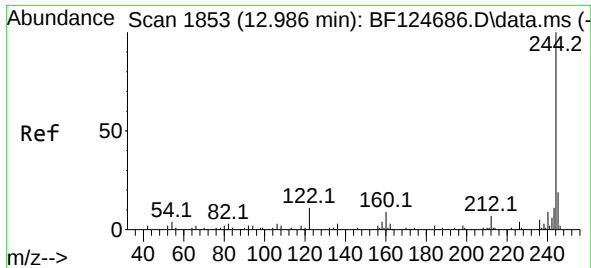
Tgt Ion:240 Resp: 11989
Ion Ratio Lower Upper
240 100
120 10.9 10.8 16.2
236 23.7 21.6 32.4



#78
Pyrene
Concen: 30.030 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

Tgt Ion:202 Resp: 28503
Ion Ratio Lower Upper
202 100
200 19.4 15.3 22.9
203 18.6 13.4 20.0

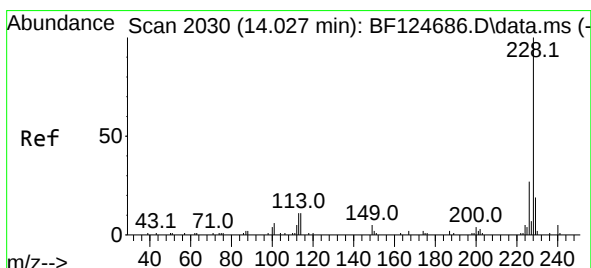
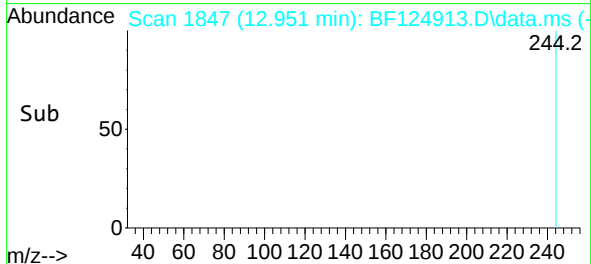
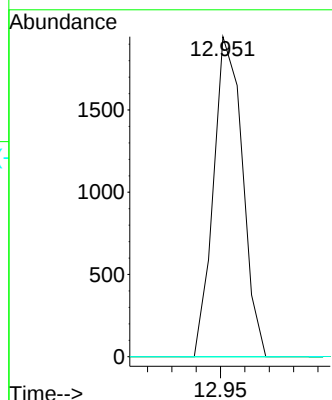
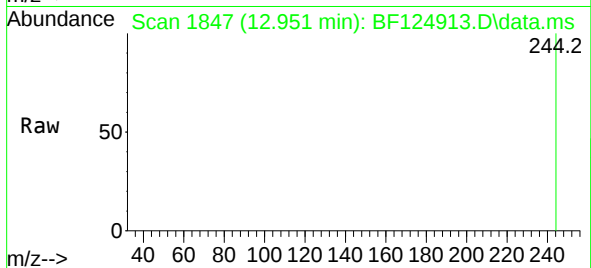




#79
 Terphenyl-d14
 Concen: 2.300 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.012 min
 Lab File: BF124913.D
 Acq: 2 Aug 2021 18:03

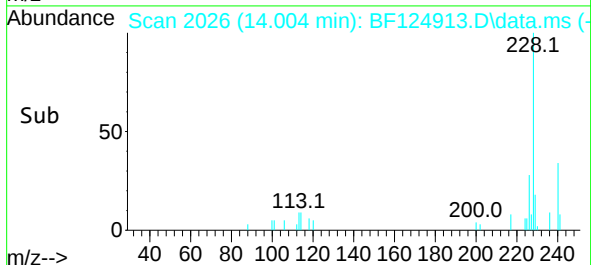
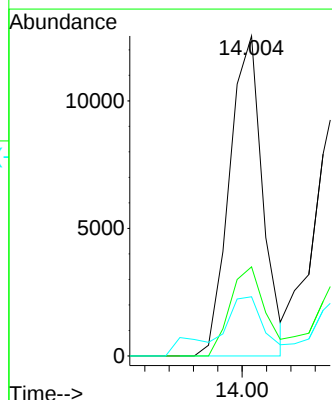
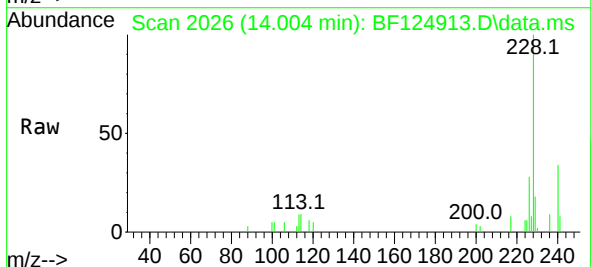
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072921DL

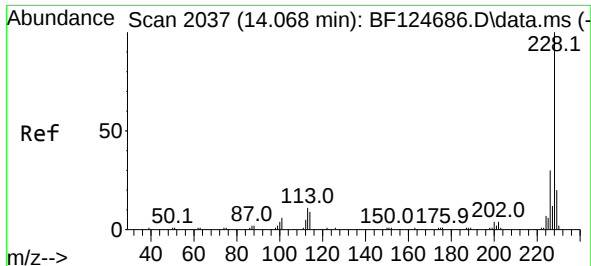
Tgt Ion:244 Resp: 1609
 Ion Ratio Lower Upper
 244 100
 212 0.0 5.9 8.9#
 122 0.0 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 15.166 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF124913.D
 Acq: 2 Aug 2021 18:03

Tgt Ion:228 Resp: 11885
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 18.5 15.6 23.4

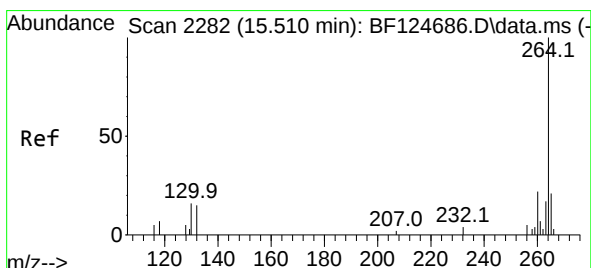
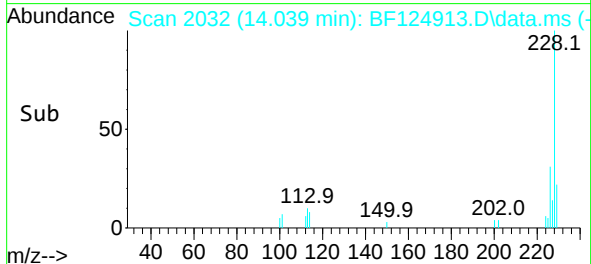
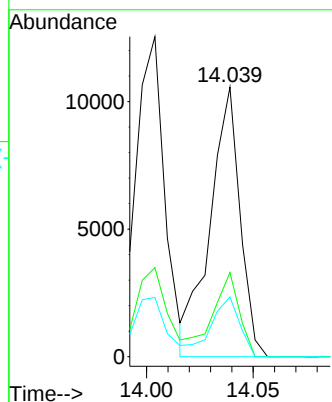
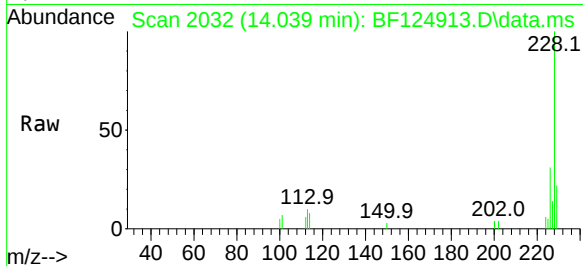




#83
Chrysene
Concen: 13.677 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

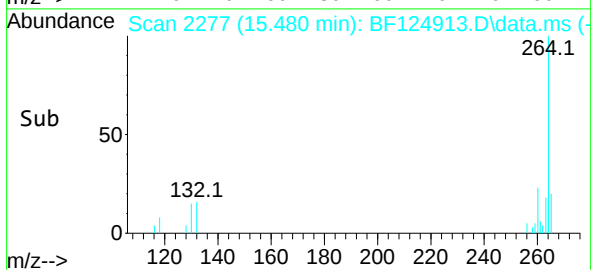
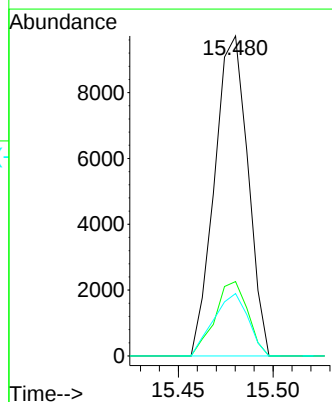
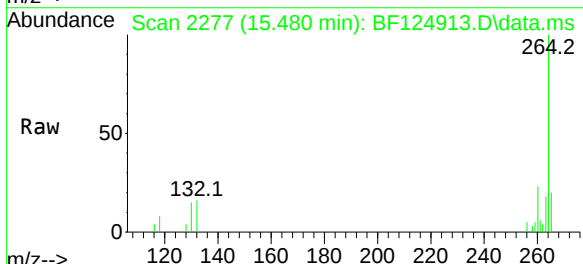
Instrument :
BNA_F
ClientSampleId :
OR-03-072921DL

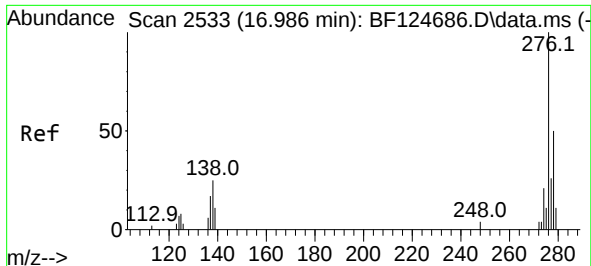
Tgt Ion:228	Resp: 10326
Ion Ratio	Lower Upper
228 100	
226 31.2	22.6 34.0
229 22.1	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

Tgt Ion:264	Resp: 11904
Ion Ratio	Lower Upper
264 100	
260 23.3	19.6 29.4
265 19.5	17.2 25.8

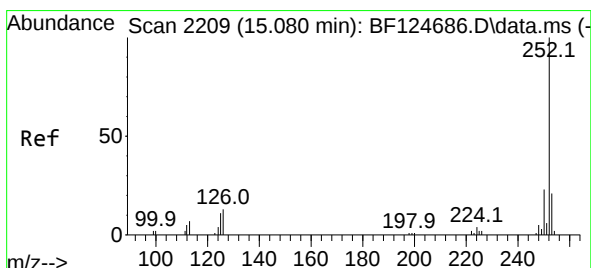
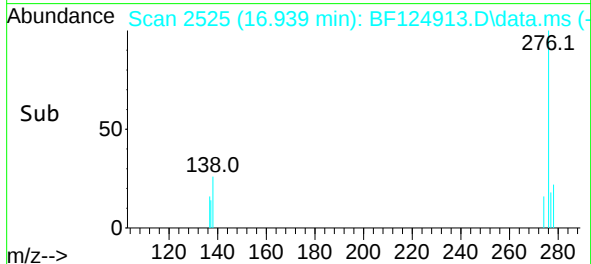
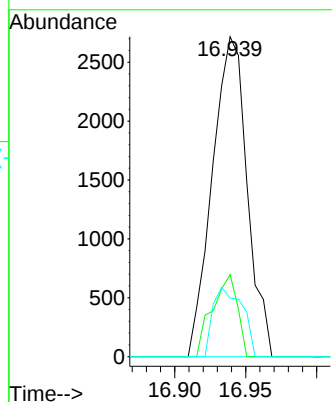
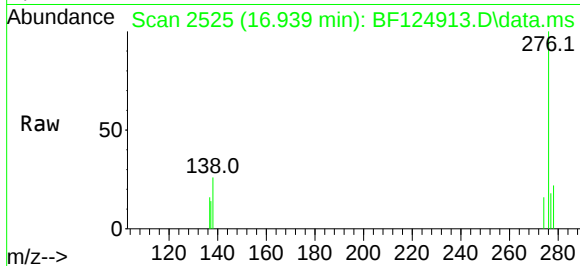




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.746 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.012 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

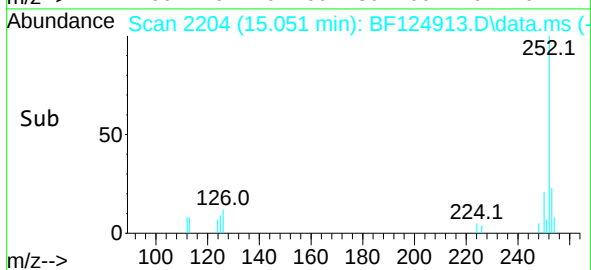
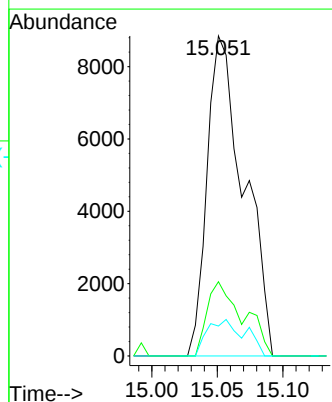
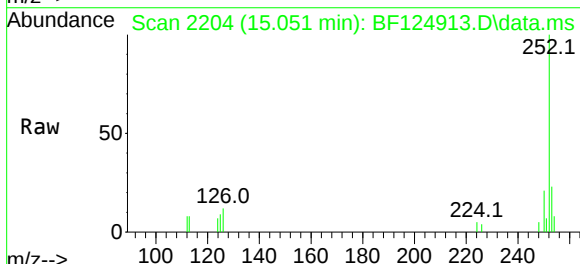
Instrument :
BNA_F
ClientSampleId :
OR-03-072921DL

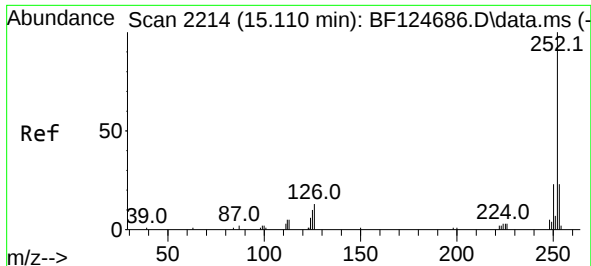
Tgt Ion:276 Resp: 4636
Ion Ratio Lower Upper
276 100
138 18.4 24.1 36.1#
277 18.3 18.8 28.2#



#88
Benzo(b)fluoranthene
Concen: 20.602 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

Tgt Ion:252 Resp: 17267
Ion Ratio Lower Upper
252 100
253 23.2 16.8 25.2
125 9.3 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 22.547 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.035 min

Lab File: BF124913.D

Acq: 2 Aug 2021 18:03

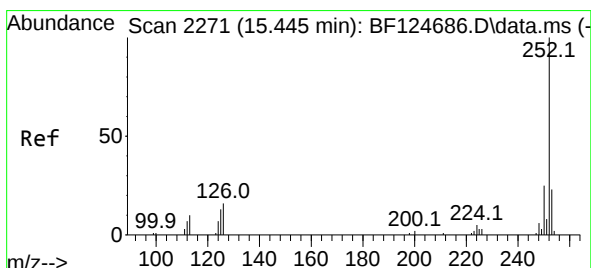
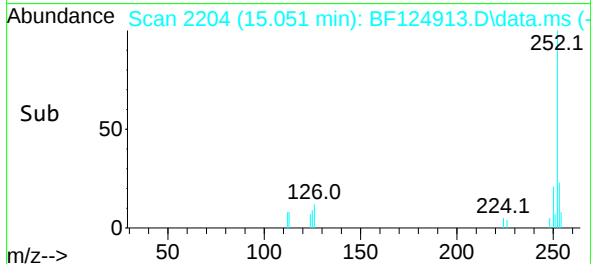
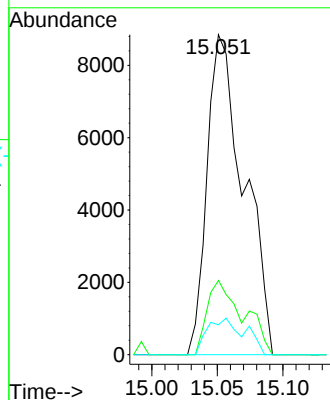
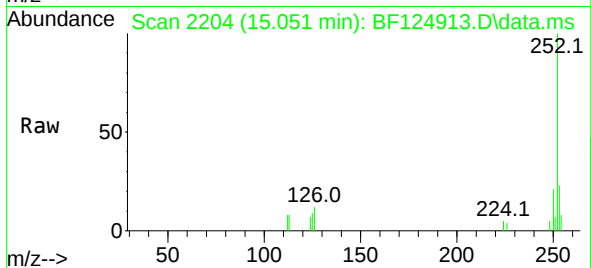
Instrument :

BNA_F

ClientSampleId :

OR-03-072921DL

Tgt Ion:252	Resp:	17267
Ion Ratio	Lower	Upper
252	100	
253	23.2	17.8 26.8
125	9.3	7.2 10.8



#90

Benzo(a)pyrene

Concen: 12.299 ng

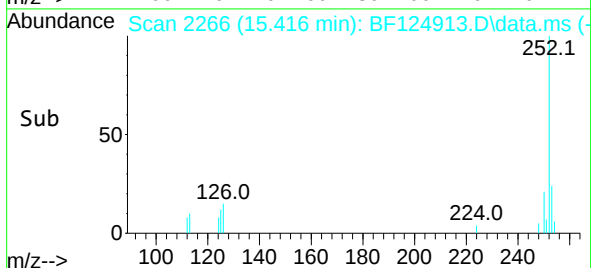
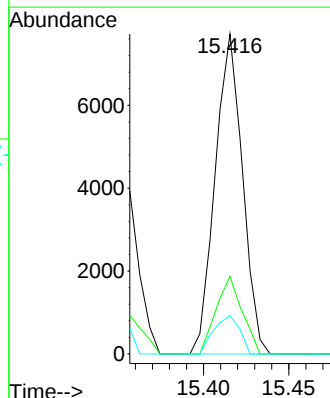
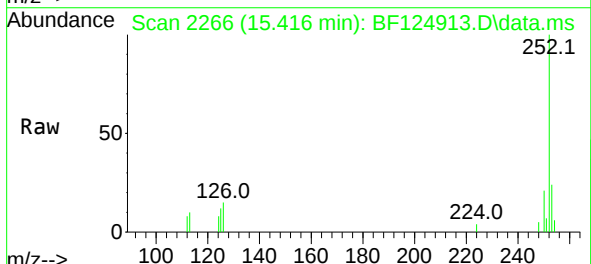
RT: 15.416 min Scan# 2266

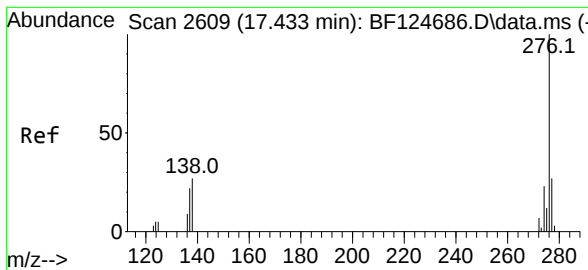
Delta R.T. -0.006 min

Lab File: BF124913.D

Acq: 2 Aug 2021 18:03

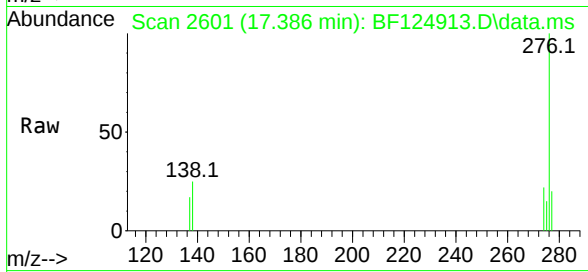
Tgt Ion:252	Resp:	8611
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.4 27.6
125	12.0	9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 6.424 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.017 min
Lab File: BF124913.D
Acq: 2 Aug 2021 18:03

Instrument :
BNA_F
ClientSampleId :
OR-03-072921DL



Tgt Ion: 276 Resp: 3665
Ion Ratio Lower Upper
276 100
277 19.7 22.0 33.0#
138 25.3 22.2 33.4

