

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
 Data File : BF124143.D
 Acq On : 4 Jun 2021 17:01
 Operator : JU/CG
 Sample : M2581-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-060221

Quant Time: Jun 04 17:29:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 04 09:56:24 2021
 Response via : Initial Calibration

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

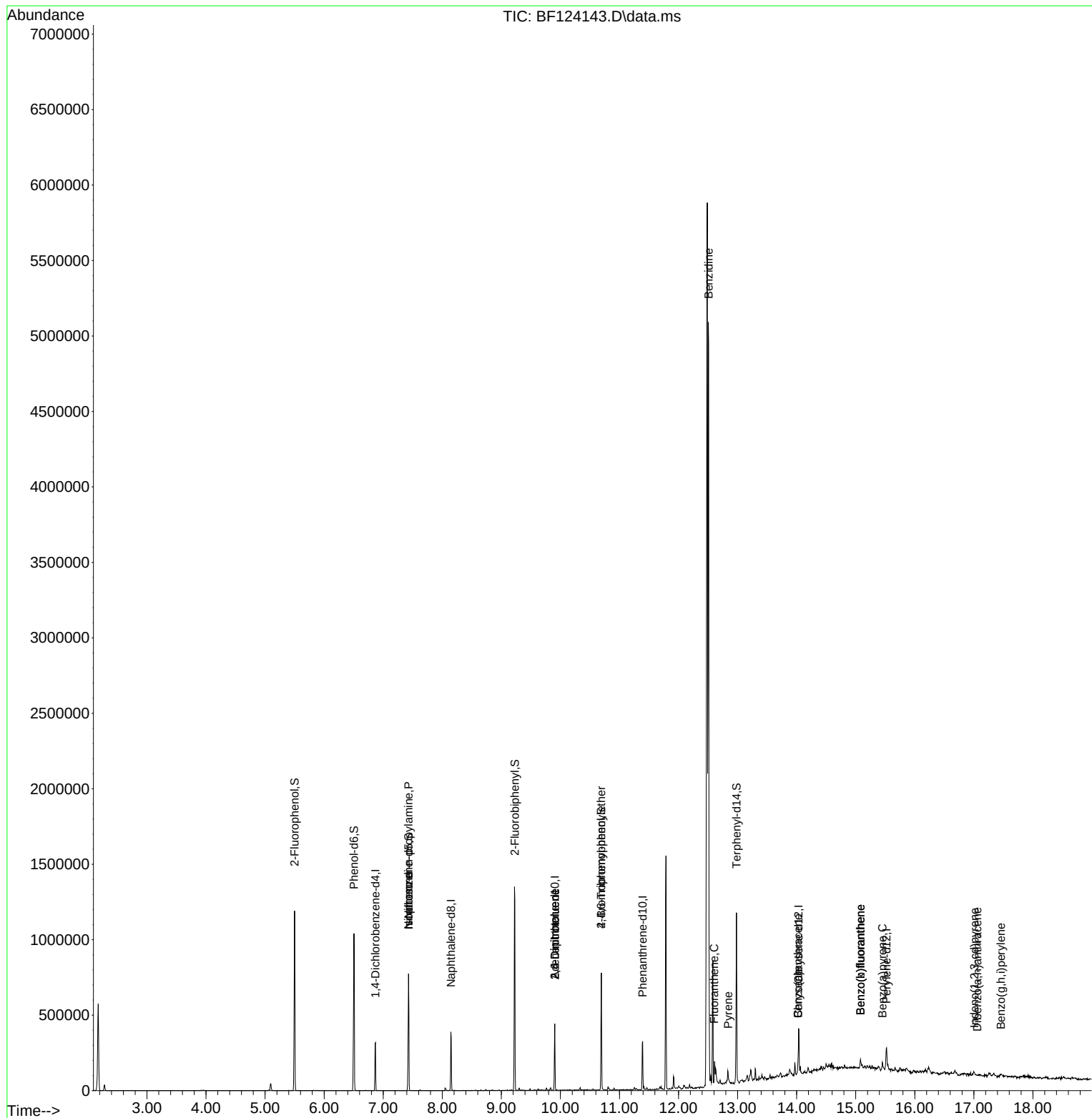
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	43105	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	148803	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	73185	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	110866	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	81398	20.000	ng	0.00
86) Perylene-d12	15.521	264	59110	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	257787	90.026	ng	0.00
7) Phenol-d6	6.504	99	308898	80.255	ng	0.00
23) Nitrobenzene-d5	7.428	82	235024	62.642	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	72140	69.576	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	381180	65.541	ng	0.00
79) Terphenyl-d14	12.980	244	310632	52.395	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	33046	12.162	ng	# 68
25) Isophorone	7.428	82	235018	34.761	ng	# 69
51) 2,6-Dinitrotoluene	9.904	165	9903	7.133	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	9903	5.409	ng	# 15
67) 4-Bromophenyl-phenylether	10.692	248	5291	3.477	ng	# 1
75) Fluoranthene	12.604	202	29391	4.043	ng	99
77) Benzidine	12.510	184	827	4.460	ng	# 1
78) Pyrene	12.839	202	32950	4.216	ng	97
81) Benzo(a)anthracene	14.021	228	17715	2.987	ng	98
83) Chrysene	14.021	228	17715	3.096	ng	98
87) Indeno(1,2,3-cd)pyrene	17.010	276	12122	6.577	ng	# 88
88) Benzo(b)fluoranthene	15.080	252	30084	6.552	ng	# 87
89) Benzo(k)fluoranthene	15.080	252	30084	6.921	ng	# 87
90) Benzo(a)pyrene	15.451	252	18489	4.636	ng	# 85
91) Dibenzo(a,h)anthracene	17.057	278	288	4.237	ng	# 2
92) Benzo(g,h,i)perylene	17.457	276	11239	6.304	ng	# 78

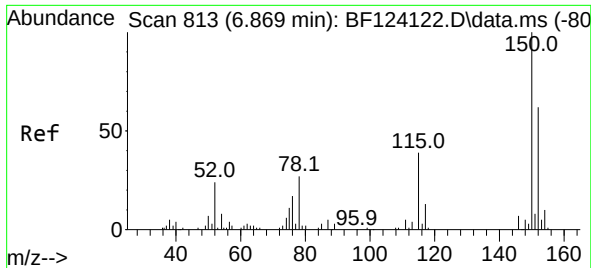
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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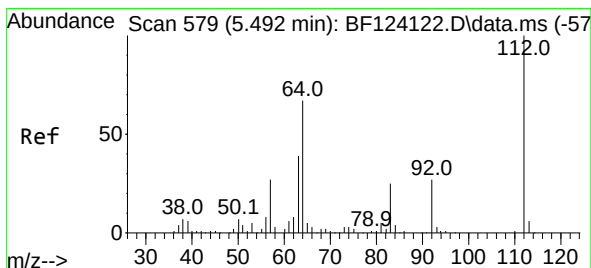
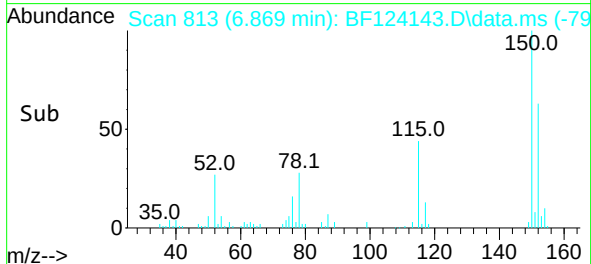
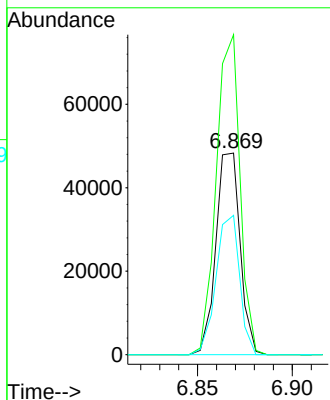
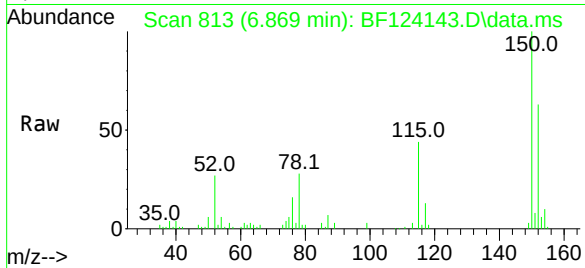




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

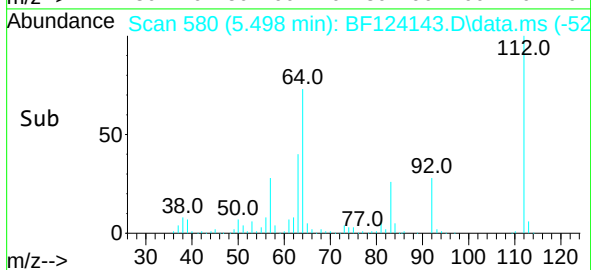
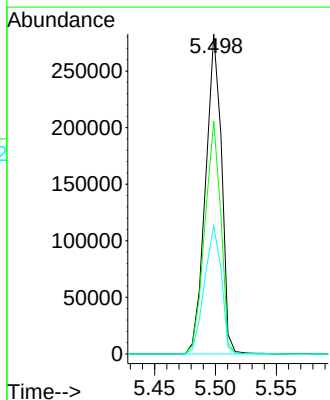
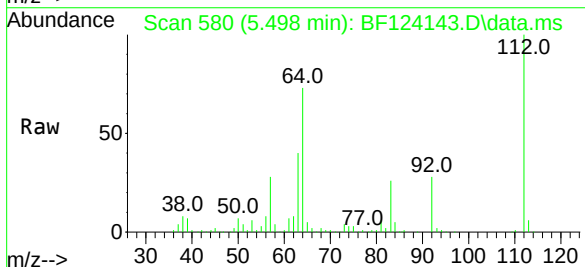
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BNA_F
ClientSampleId :
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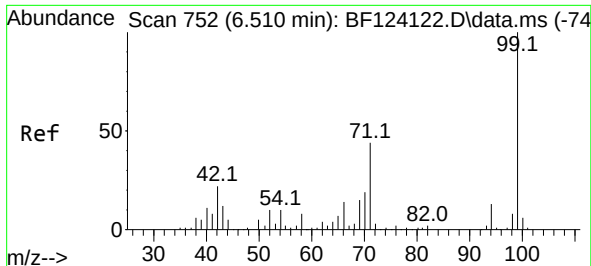
Tgt Ion:152 Resp: 43105
Ion Ratio Lower Upper
152 100
150 158.7 127.0 190.6
115 69.1 54.3 81.5



#5
2-Fluorophenol
Concen: 90.026 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Tgt Ion:112 Resp: 257787
Ion Ratio Lower Upper
112 100
64 72.8 61.4 92.0
63 40.0 33.0 49.4

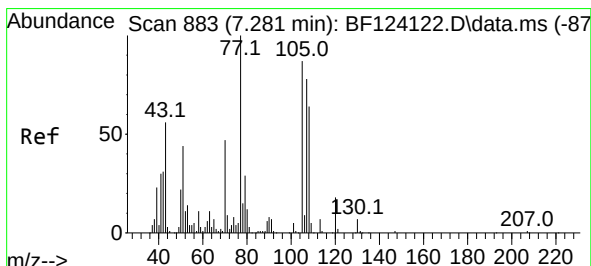
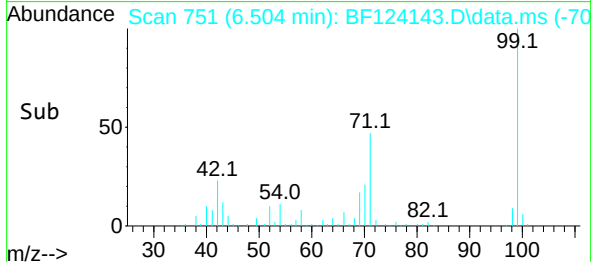
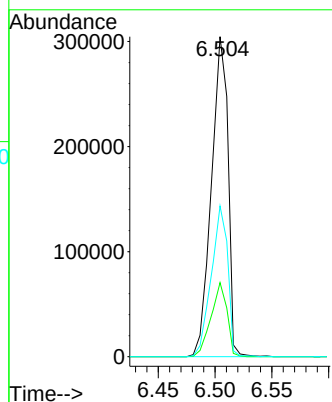
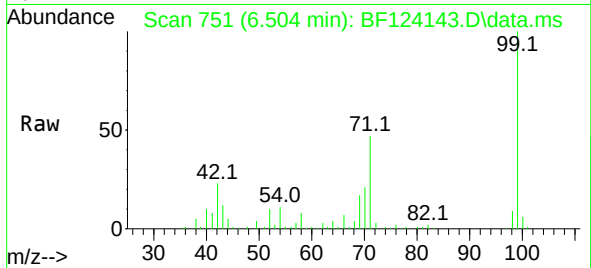




#7
Phenol-d6
Concen: 80.255 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

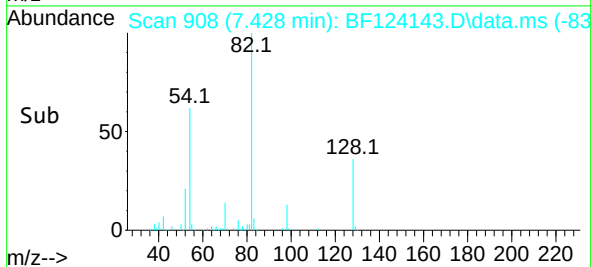
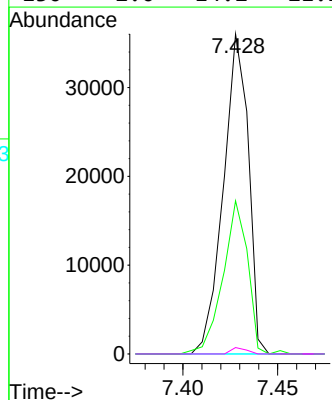
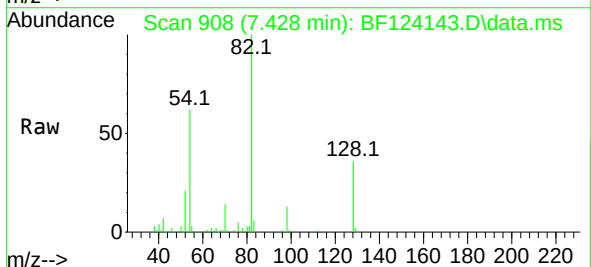
Instrument :
BNA_F
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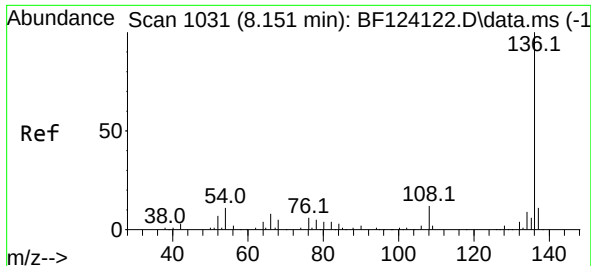
Tgt Ion: 99 Resp: 308898
Ion Ratio Lower Upper
99 100
42 23.2 19.8 29.8
71 47.1 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 12.162 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

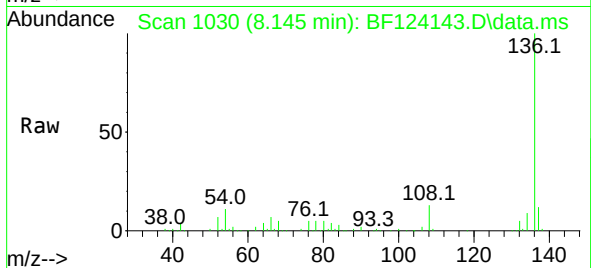
Tgt Ion: 70 Resp: 33046
Ion Ratio Lower Upper
70 100
42 47.9 60.1 90.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.2#



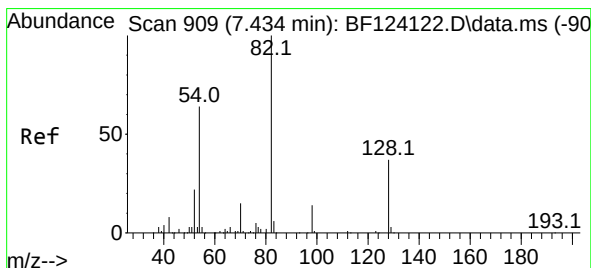
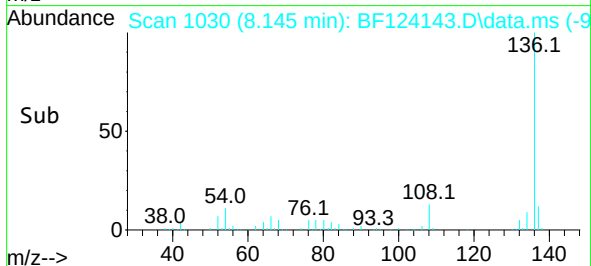
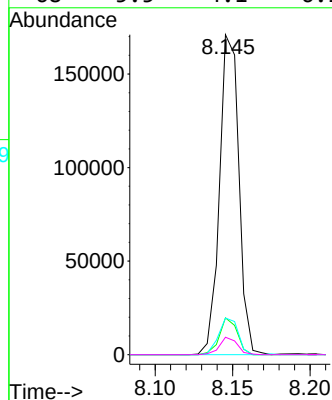


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Instrument :
BNA_F
ClientSampleId :
TR-05-060221

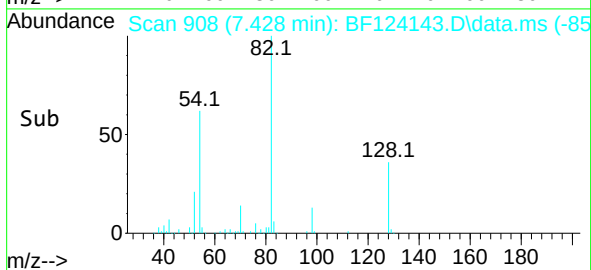
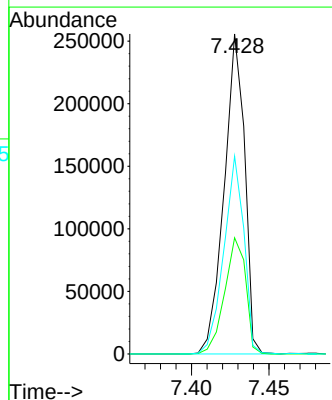
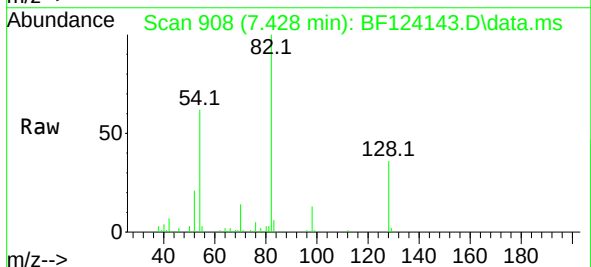


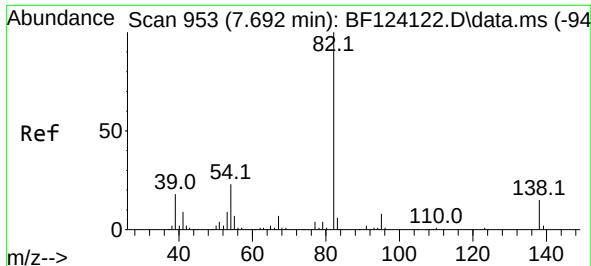
Tgt Ion:	136	Resp:	148803
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.7	13.1
54	11.5	9.8	14.6
68	5.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 62.642 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Tgt Ion:	82	Resp:	235024
Ion Ratio	Lower	Upper	
82	100		
128	36.3	29.4	44.2
54	61.8	54.1	81.1

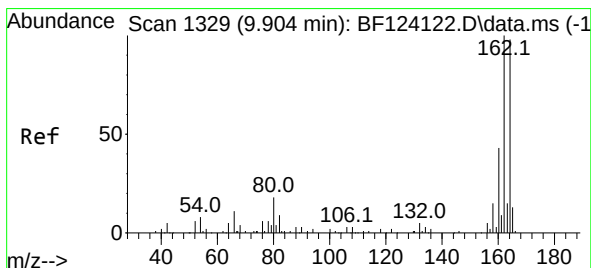
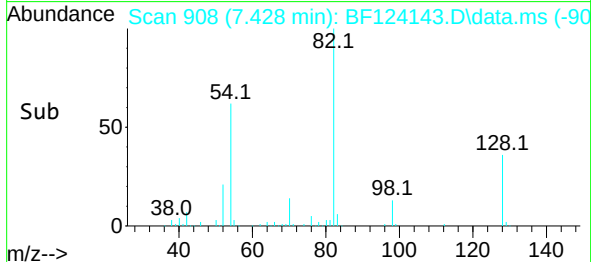
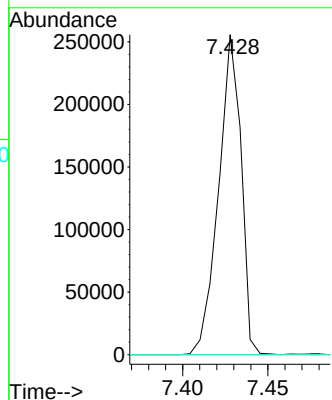
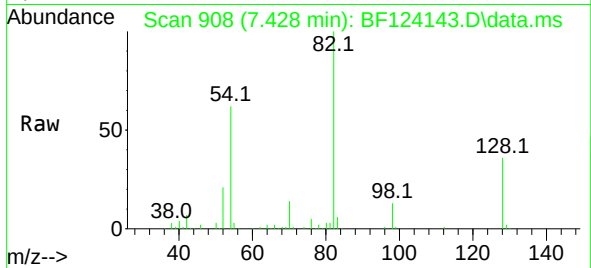




#25
Isophorone
Concen: 34.761 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

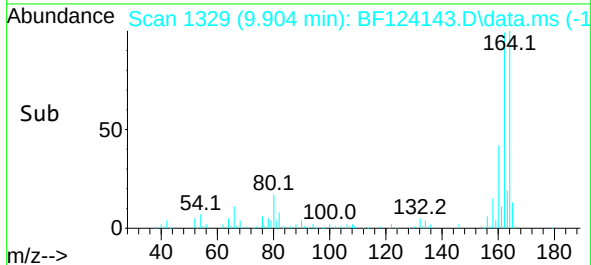
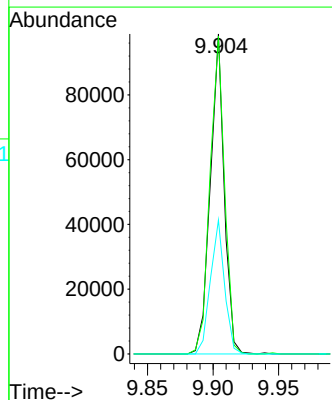
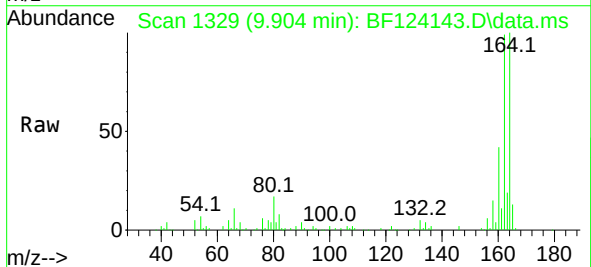
Instrument :
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ClientSampleId :
TR-05-060221

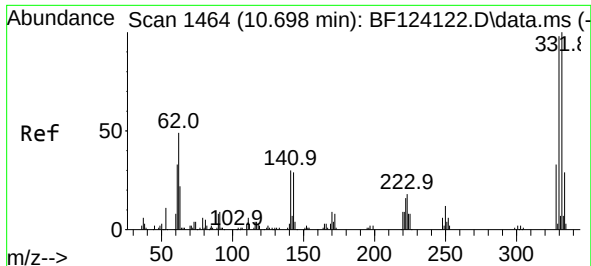
Tgt Ion: 82 Resp: 235018
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Tgt Ion:164 Resp: 73185
Ion Ratio Lower Upper
164 100
162 99.4 80.7 121.1
160 41.9 37.3 55.9

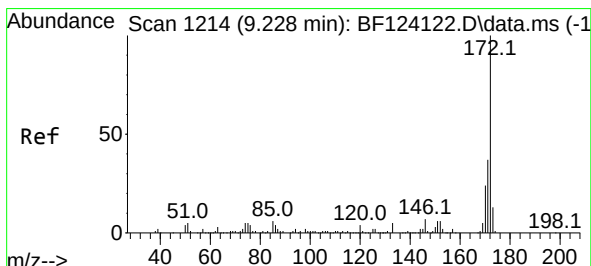
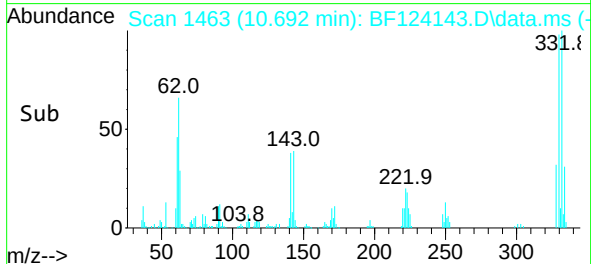
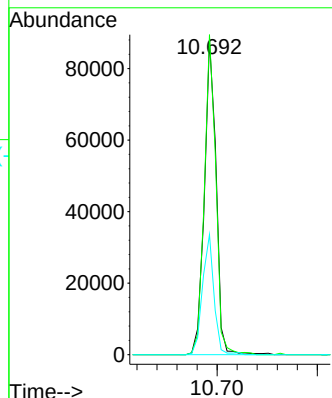
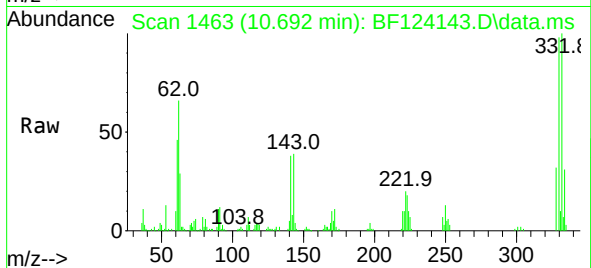




#42
2,4,6-Tribromophenol
Concen: 69.576 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

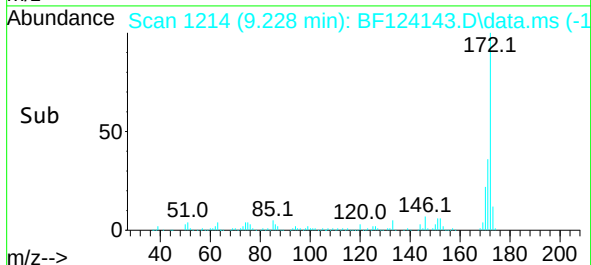
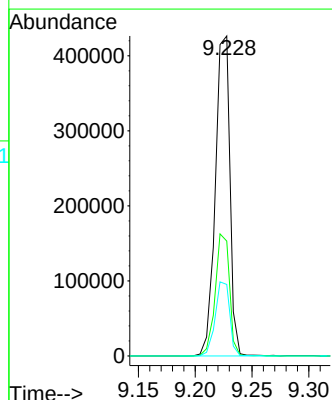
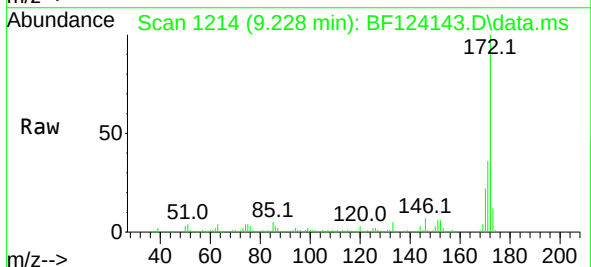
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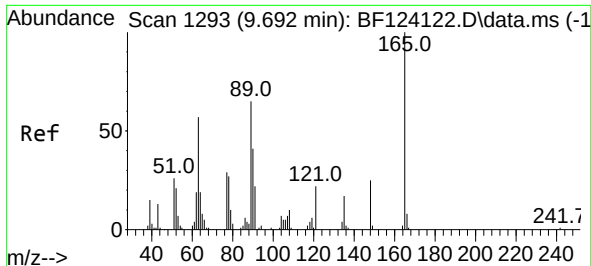
Tgt Ion: 330 Resp: 72140
Ion Ratio Lower Upper
330 100
332 99.0 77.1 115.7
141 37.3 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 65.541 ng
RT: 9.228 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Tgt Ion: 172 Resp: 381180
Ion Ratio Lower Upper
172 100
171 35.9 28.1 42.1
170 22.4 19.2 28.8

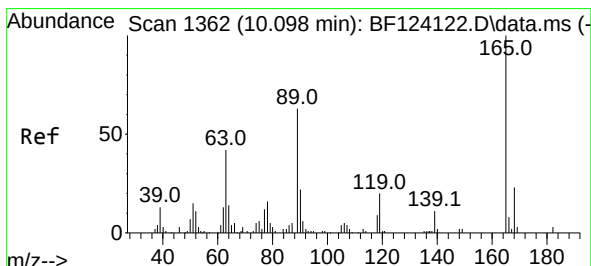
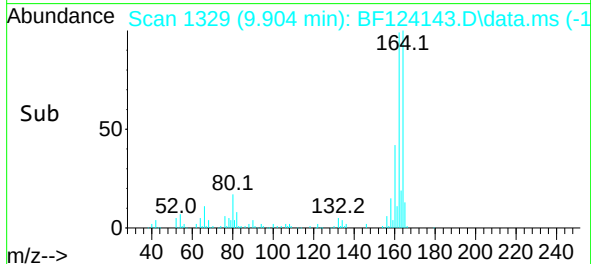
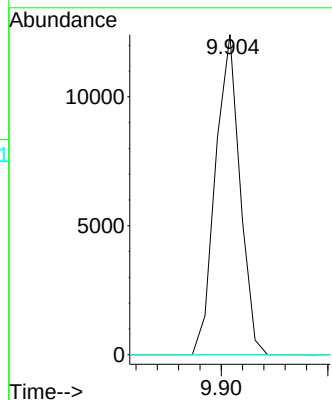
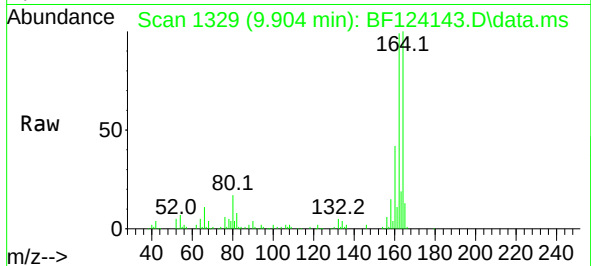




#51
2,6-Dinitrotoluene
Concen: 7.133 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

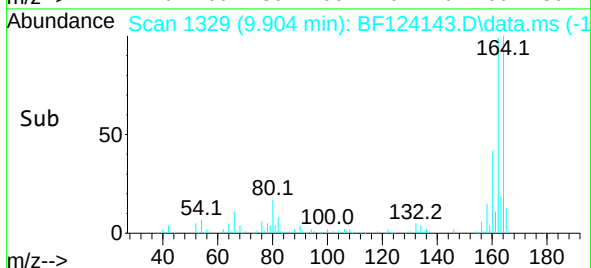
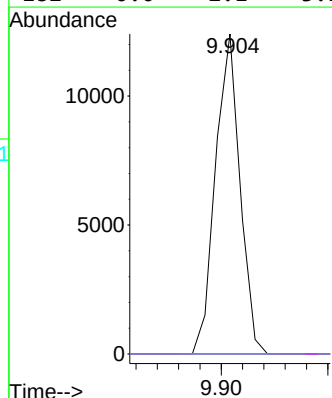
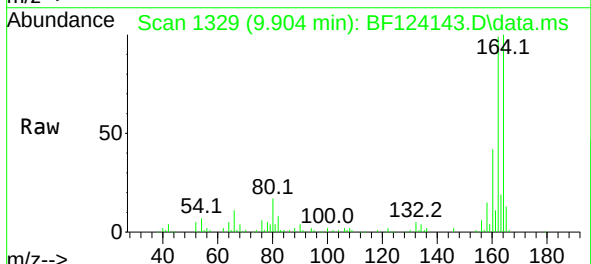
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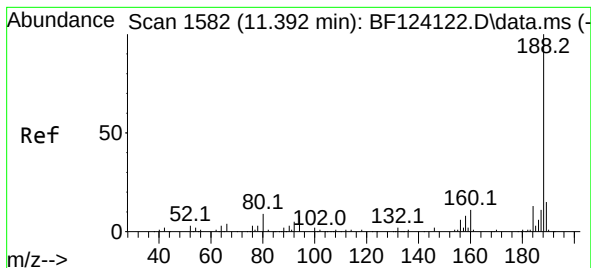
Tgt Ion:165 Resp: 9903
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.409 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Tgt Ion:165 Resp: 9903
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

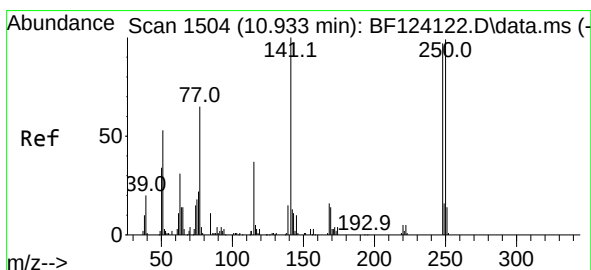
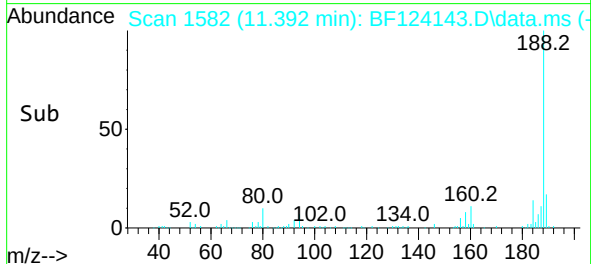
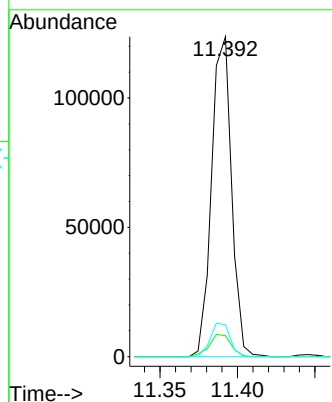
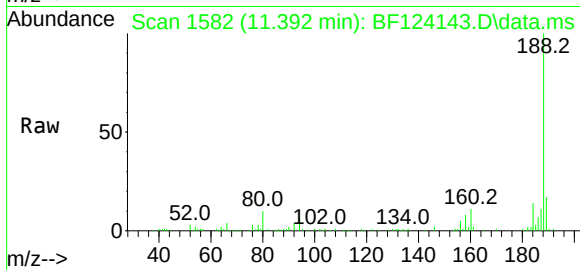




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

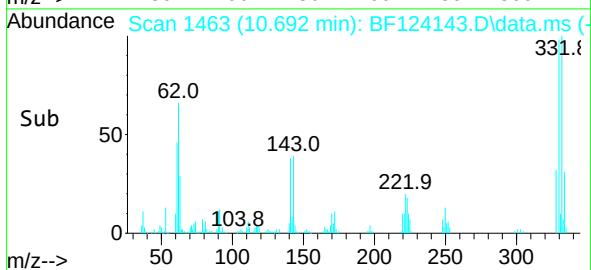
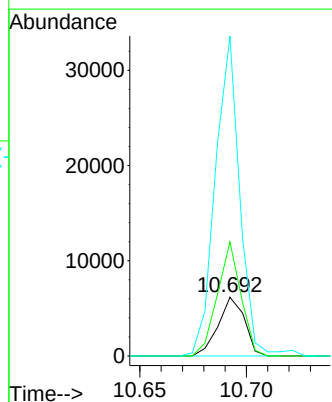
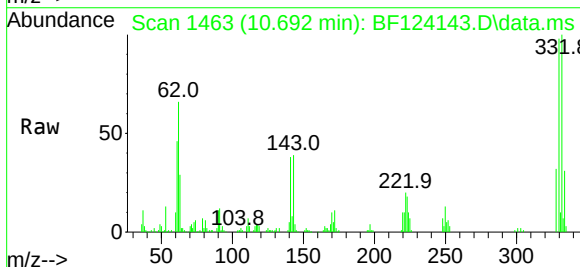
Instrument :
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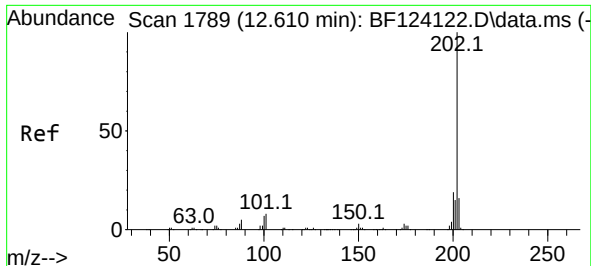
Tgt Ion:188 Resp: 110866
Ion Ratio Lower Upper
188 100
94 6.5 6.9 10.3#
80 9.9 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.477 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.241 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Tgt Ion:248 Resp: 5291
Ion Ratio Lower Upper
248 100
250 193.9 77.4 116.2#
141 544.2 63.7 95.5#

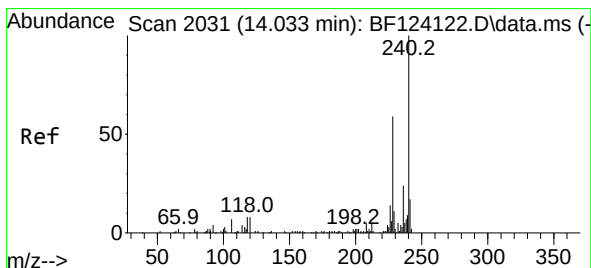
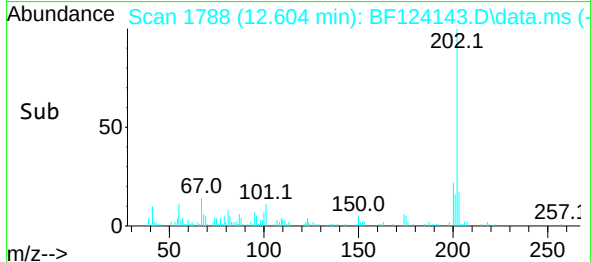
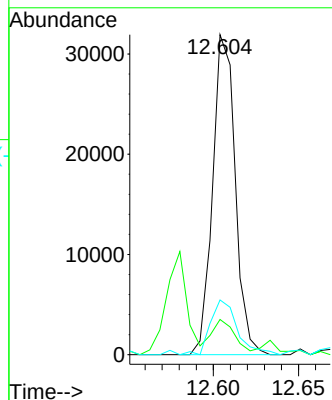
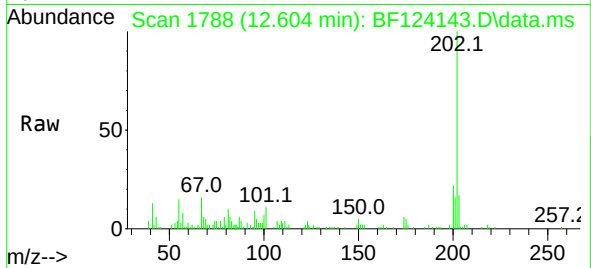




#75
Fluoranthene
Concen: 4.043 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

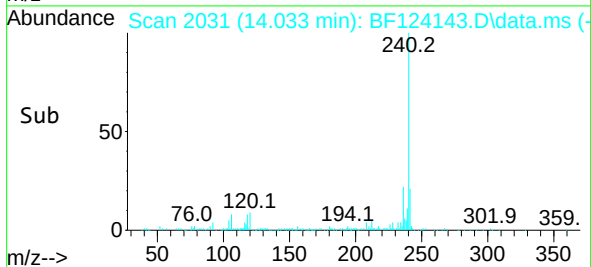
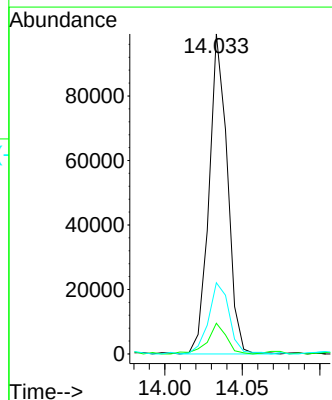
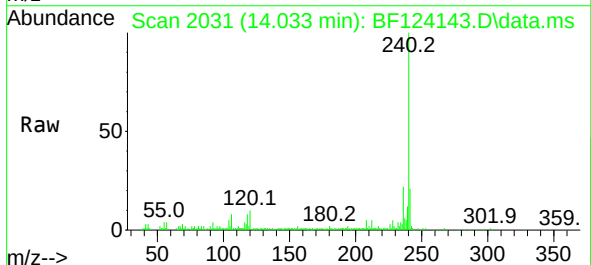
Instrument :
BNA_F
ClientSampleId :
TR-05-060221

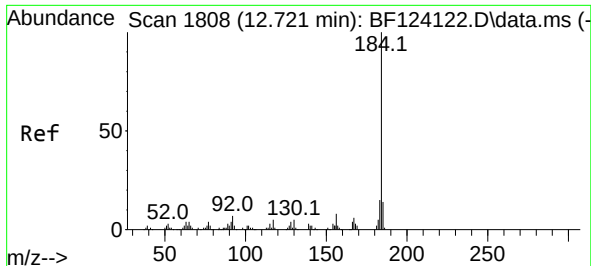
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.9
203	17.1	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.2	10.8
236	22.2	19.0	28.4

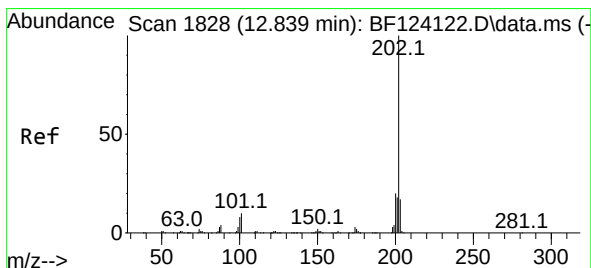
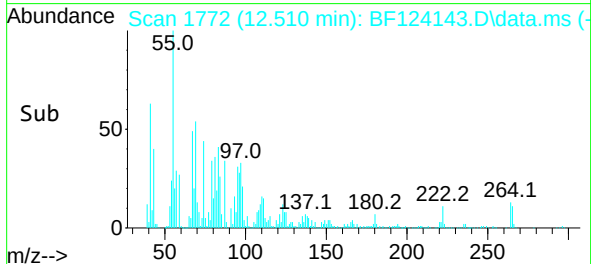
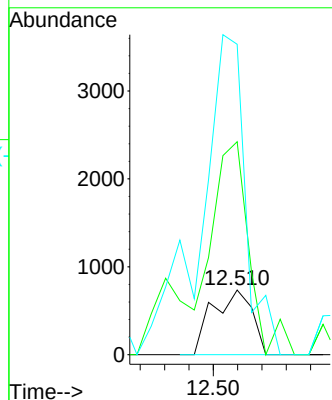
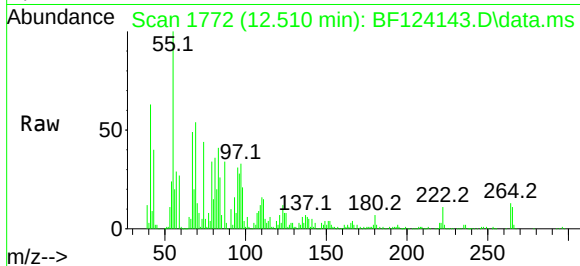




#77
Benzidine
Concen: 4.460 ng
RT: 12.510 min Scan# 1772
Delta R.T. -0.211 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

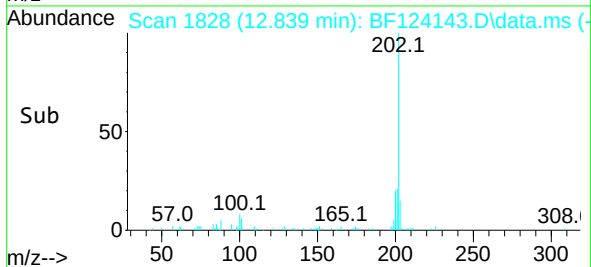
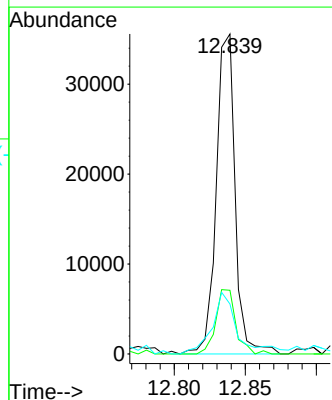
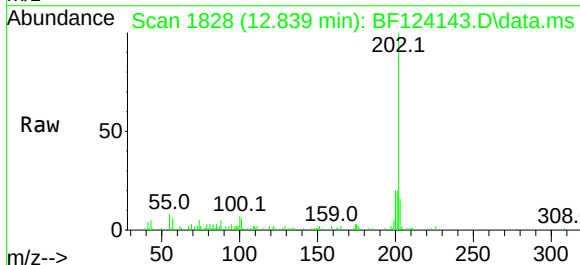
Instrument :
BNA_F
ClientSampleId :
TR-05-060221

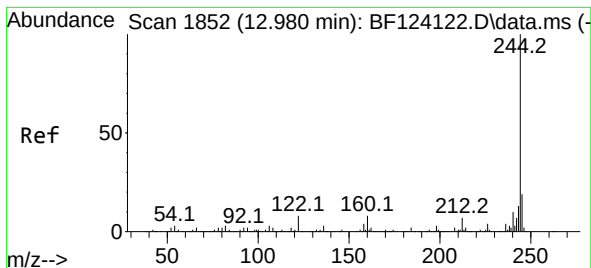
Tgt Ion:184 Resp: 827
Ion Ratio Lower Upper
184 100
185 329.2 12.1 18.1#
183 479.8 7.8 11.8#



#78
Pyrene
Concen: 4.216 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Tgt Ion:202 Resp: 32950
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 15.6 14.8 22.2





#79

Terphenyl-d14

Concen: 52.395 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF124143.D

Acq: 4 Jun 2021 17:01

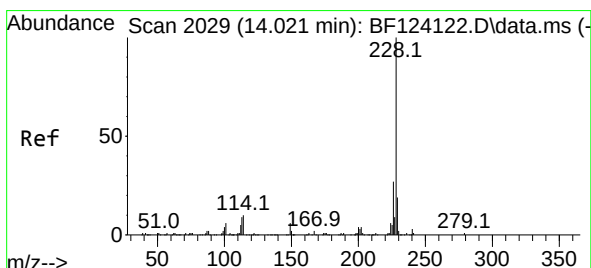
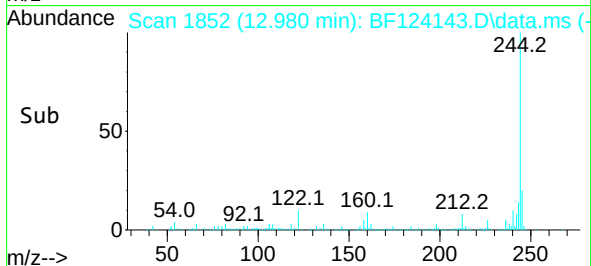
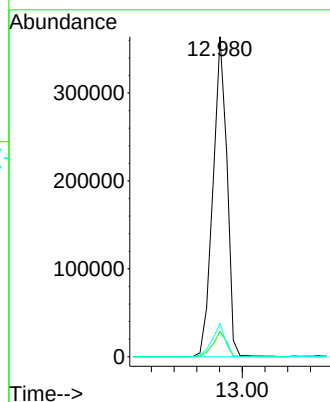
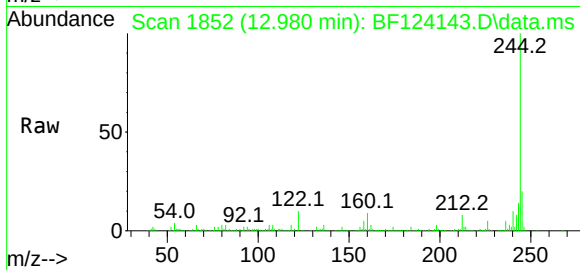
Tgt Ion:244 Resp: 310632

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

122 10.3 9.7 14.5



#81

Benzo(a)anthracene

Concen: 2.987 ng

RT: 14.021 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF124143.D

Acq: 4 Jun 2021 17:01

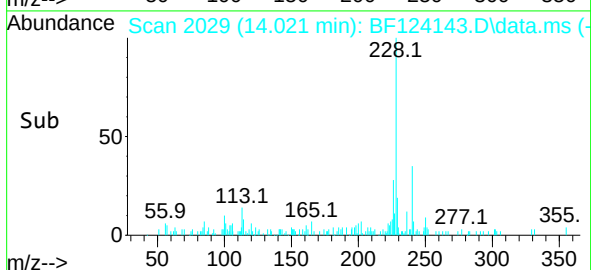
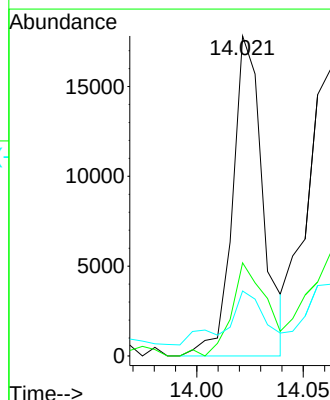
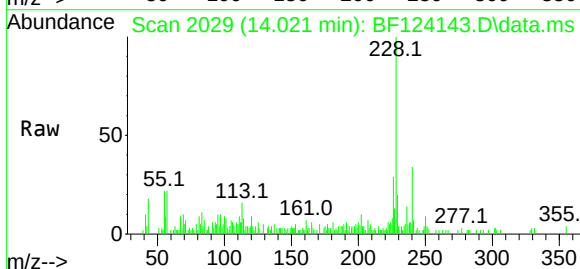
Tgt Ion:228 Resp: 17715

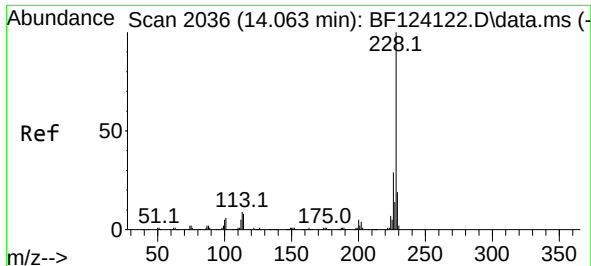
Ion Ratio Lower Upper

228 100

226 29.1 22.4 33.6

229 20.3 16.0 24.0

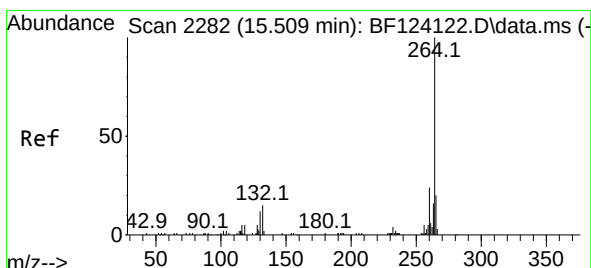
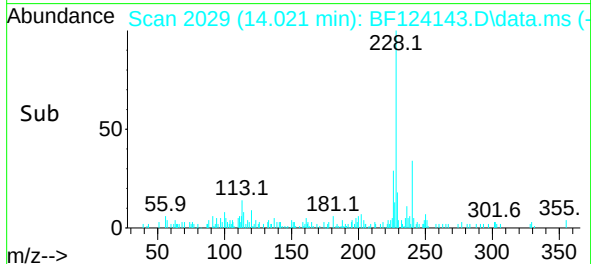
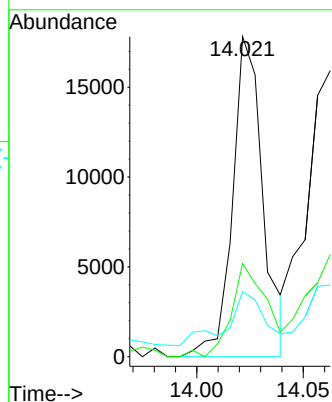
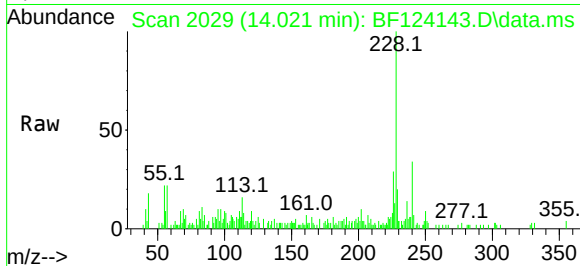




#83
Chrysene
Concen: 3.096 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.041 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

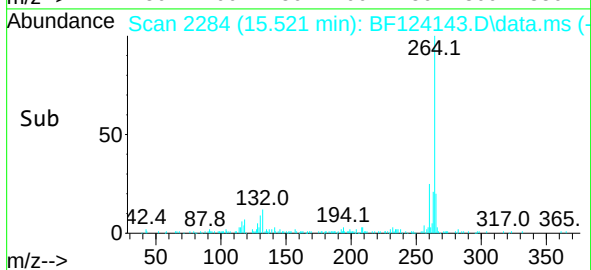
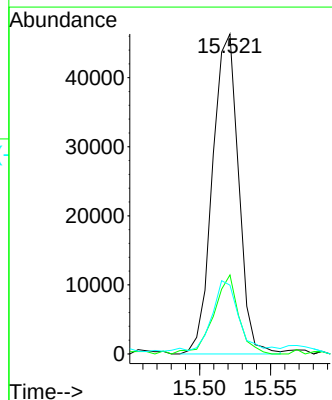
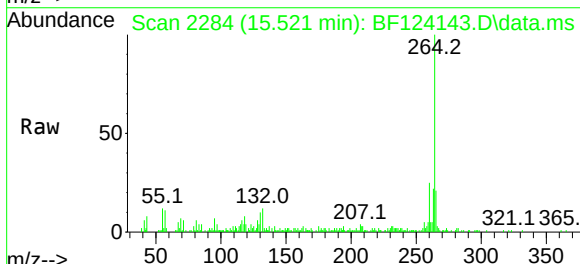
Instrument :
BNA_F
ClientSampleId :
TR-05-060221

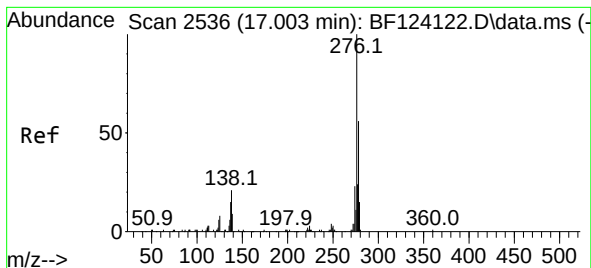
Tgt Ion:228 Resp: 17715
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 20.3 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.012 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Tgt Ion:264 Resp: 59110
Ion Ratio Lower Upper
264 100
260 24.7 18.7 28.1
265 21.5 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.577 ng

RT: 17.010 min Scan# 2537

Delta R.T. 0.007 min

Lab File: BF124143.D

Acq: 4 Jun 2021 17:01

Tgt Ion: 276 Resp: 12122

Ion Ratio Lower Upper

276 100

138 25.5 16.2 24.2#

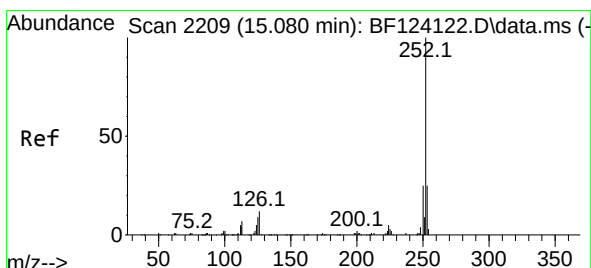
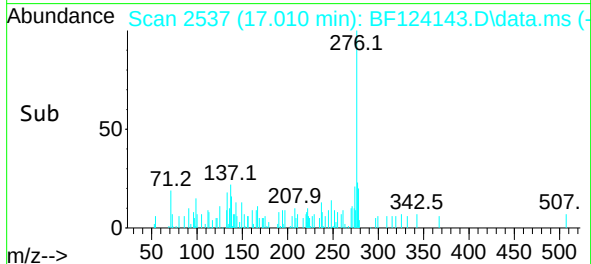
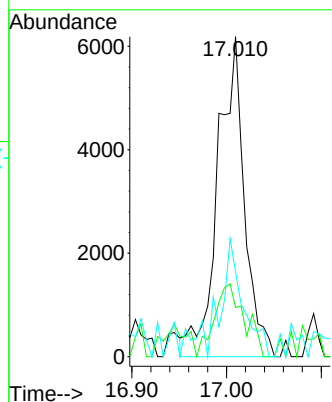
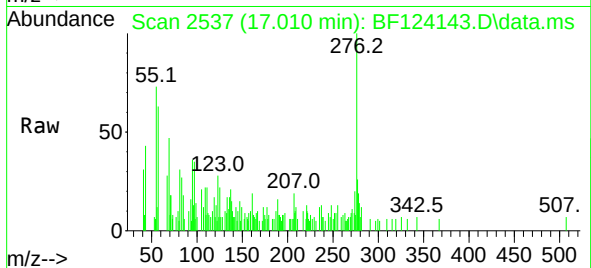
277 31.5 20.1 30.1#

Instrument :

BNA_F

ClientSampleId :

TR-05-060221



#88

Benzo(b)fluoranthene

Concen: 6.552 ng

RT: 15.080 min Scan# 2209

Delta R.T. 0.000 min

Lab File: BF124143.D

Acq: 4 Jun 2021 17:01

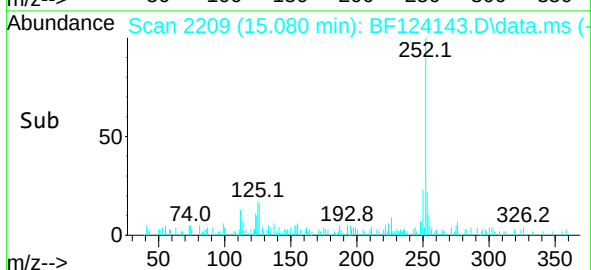
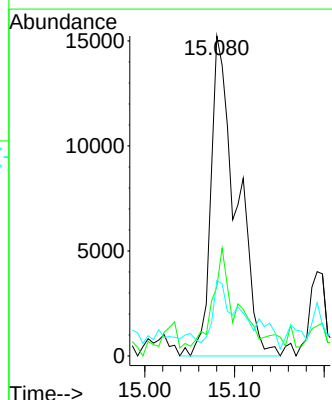
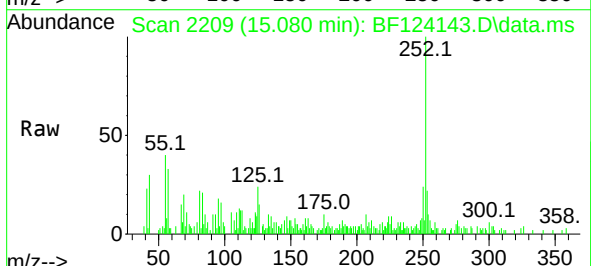
Tgt Ion: 252 Resp: 30084

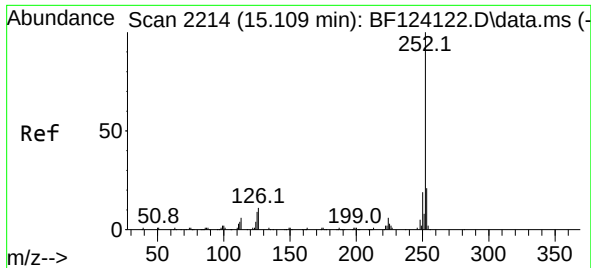
Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

125 23.5 6.2 9.4#

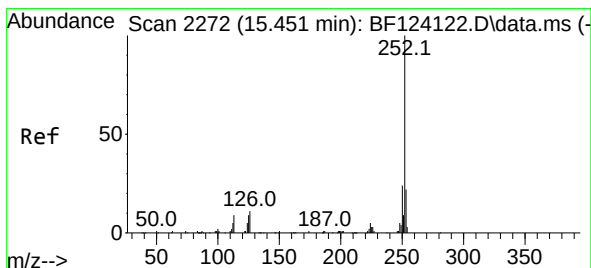
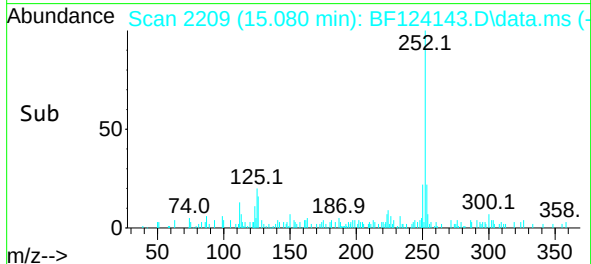
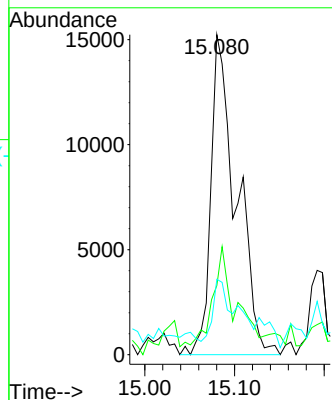
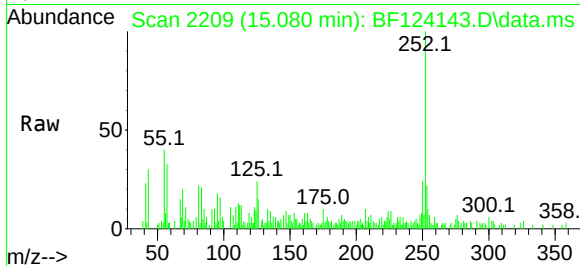




#89
Benzo(k)fluoranthene
Concen: 6.921 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.029 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

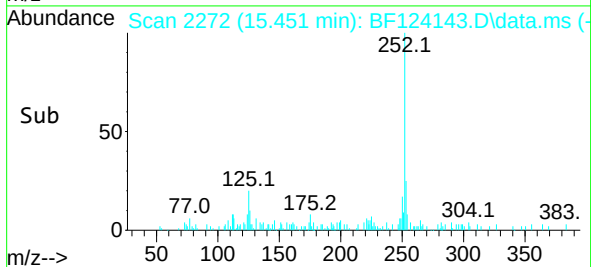
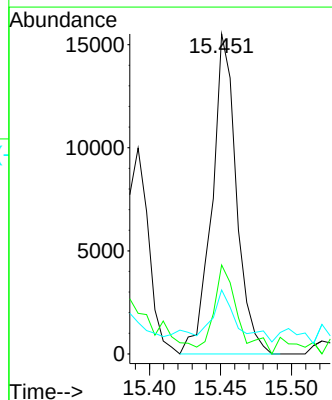
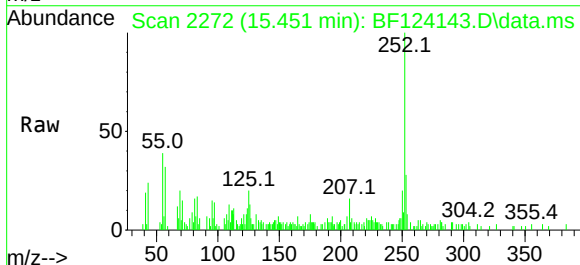
Instrument :
BNA_F
ClientSampleId :
TR-05-060221

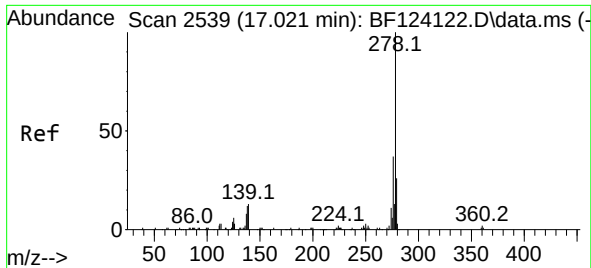
Tgt Ion:252 Resp: 30084
Ion Ratio Lower Upper
252 100
253 21.6 17.9 26.9
125 23.5 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 4.636 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Tgt Ion:252 Resp: 18489
Ion Ratio Lower Upper
252 100
253 27.8 18.4 27.6#
125 20.0 8.0 12.0#

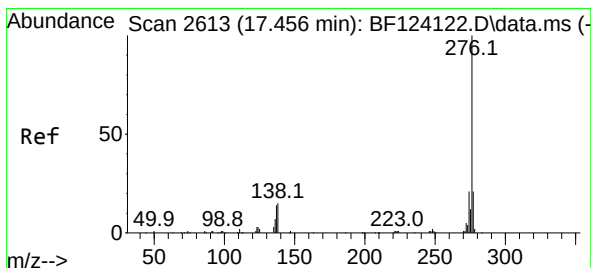
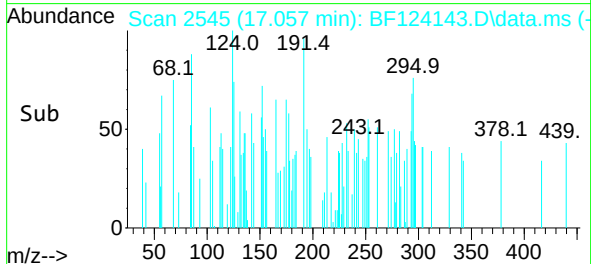
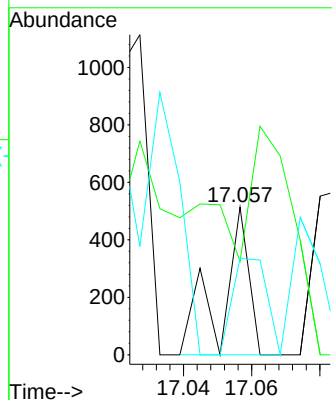
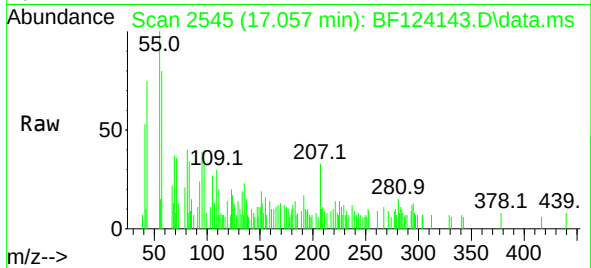




#91
Dibenzo(a,h)anthracene
Concen: 4.237 ng
RT: 17.057 min Scan# 2545
Delta R.T. 0.036 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Instrument :
BNA_F
ClientSampleId :
TR-05-060221

Tgt Ion:278 Resp: 288
Ion Ratio Lower Upper
278 100
139 63.2 10.2 15.2#
279 65.2 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 6.304 ng
RT: 17.457 min Scan# 2613
Delta R.T. 0.001 min
Lab File: BF124143.D
Acq: 4 Jun 2021 17:01

Tgt Ion:276 Resp: 11239
Ion Ratio Lower Upper
276 100
277 38.3 18.2 27.2#
138 20.5 13.8 20.6

