

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124196.D
 Acq On : 9 Jun 2021 00:02
 Operator : JU/CG
 Sample : M2602-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-060321

Quant Time: Jun 09 04:10:24 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

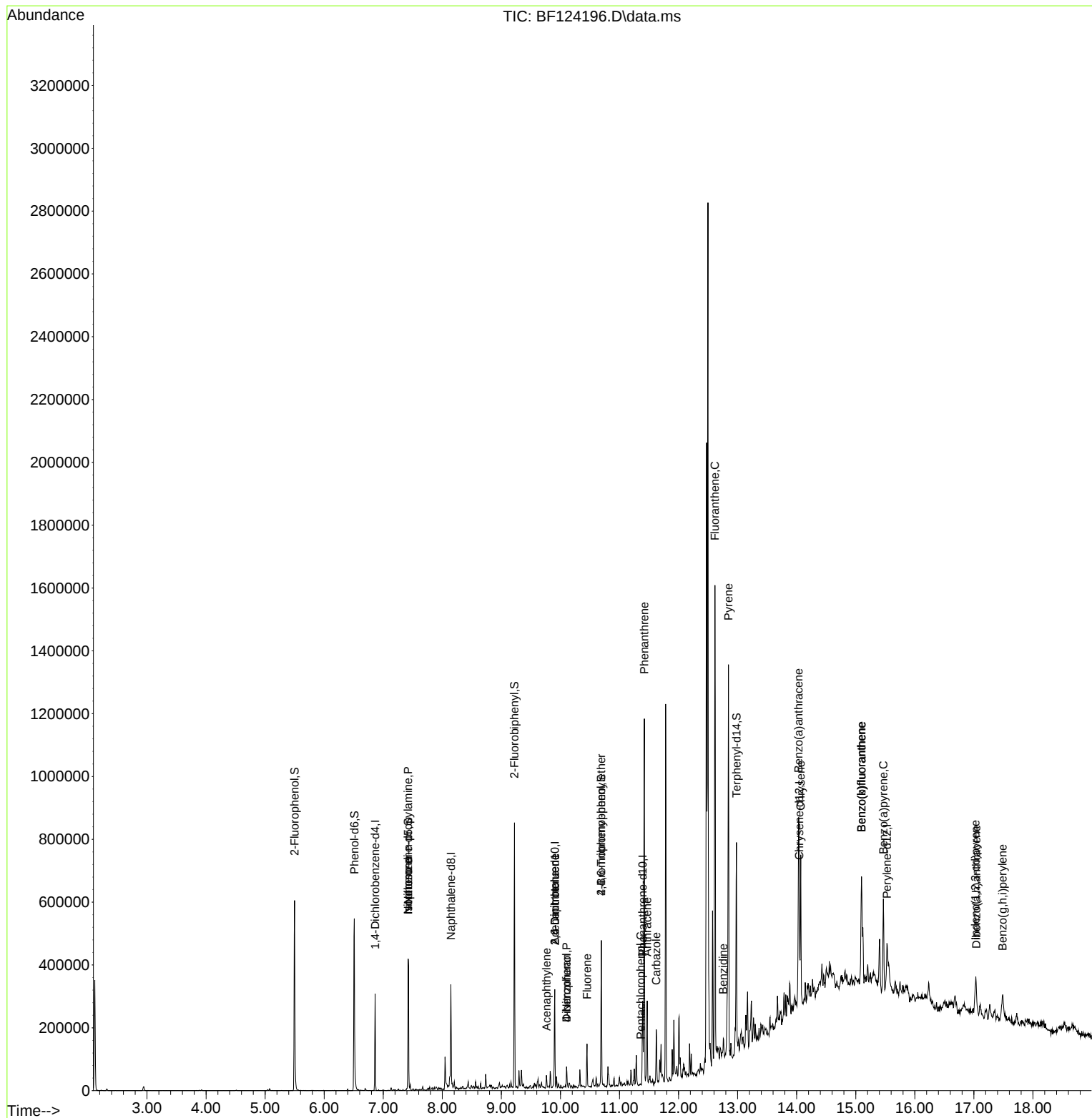
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	34108	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	109676	20.00	ng	# 0.00
39) Acenaphthene-d10	9.904	164	53011	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	91676	20.00	ng	0.00
76) Chrysene-d12	14.045	240	69597	20.00	ng	# 0.01
86) Perylene-d12	15.527	264	53395	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	135686	59.88	ng	0.00
7) Phenol-d6	6.510	99	166294	54.60	ng	0.00
23) Nitrobenzene-d5	7.422	82	123831	44.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	41752	55.59	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	197928	46.98	ng	0.00
79) Terphenyl-d14	12.980	244	188564	37.20	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	17475	8.13	ng	# 72
25) Isophorone	7.422	82	123829	24.85	ng	# 69
49) Acenaphthylene	9.763	152	13223	2.50	ng	94
51) 2,6-Dinitrotoluene	9.904	165	6577	6.54	ng	# 27
55) Dibenzofuran	10.104	168	17680	3.27	ng	# 97
56) 4-Nitrophenol	10.104	139	7424	11.04	ng	# 1
57) 2,4-Dinitrotoluene	9.904	165	6577	4.96	ng	# 35
58) Fluorene	10.451	166	29444	7.09	ng	93
67) 4-Bromophenyl-phenylether	10.692	248	2736	2.17	ng	# 1
70) Pentachlorophenol	11.357	266	108	4.80	ng	# 18
71) Phenanthrene	11.421	178	395506	69.06	ng	97
72) Anthracene	11.469	178	82158	14.24	ng	97
73) Carbazole	11.621	167	55815	11.11	ng	96
75) Fluoranthene	12.616	202	629141	104.66	ng	99
77) Benzidine	12.757	184	302	4.23	ng	# 13
78) Pyrene	12.845	202	462274	69.17	ng	100
81) Benzo(a)anthracene	14.033	228	192364	37.94	ng	98
83) Chrysene	14.068	228	164124	33.55	ng	95
87) Indeno(1,2,3-cd)pyrene	17.027	276	68815	18.42	ng	97
88) Benzo(b)fluoranthene	15.098	252	232013	55.94	ng	# 95
89) Benzo(k)fluoranthene	15.098	252	232013	59.09	ng	# 95
90) Benzo(a)pyrene	15.468	252	119354	33.13	ng	98
91) Dibenzo(a,h)anthracene	17.045	278	17181	8.31	ng	# 93
92) Benzo(g,h,i)perylene	17.486	276	61282	18.88	ng	# 95

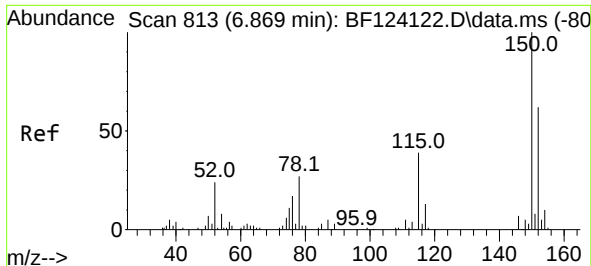
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124196.D
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BNA_F
ClientSampleId :
SU-02-060321

Quant Time: Jun 09 04:10:24 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 07 13:32:21 2021
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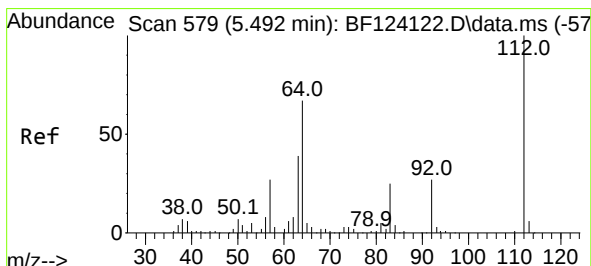
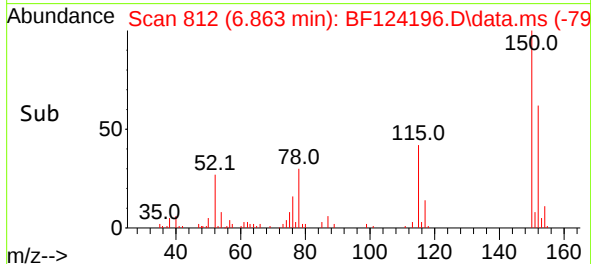
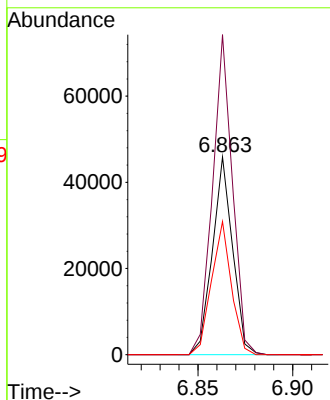
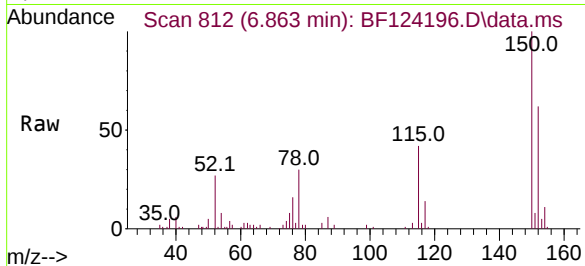




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

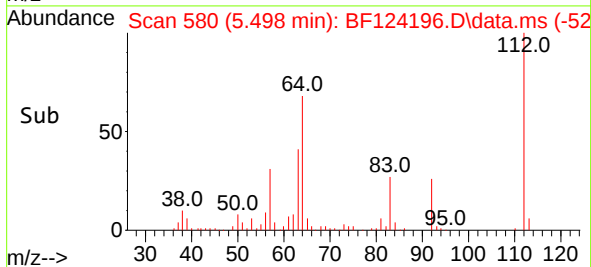
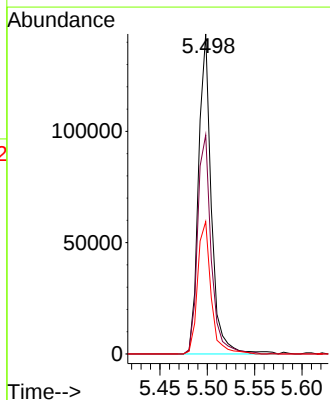
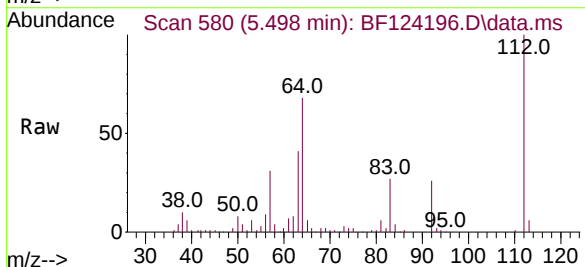
Instrument :
BNA_F
ClientSampleId :
SU-02-060321

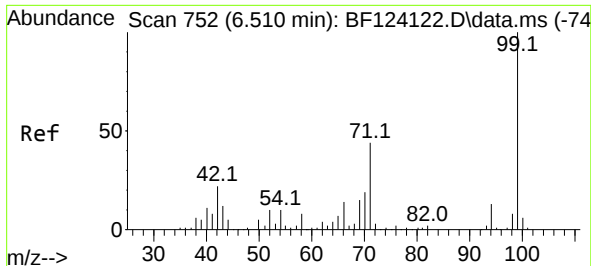
Tgt Ion:152 Resp: 34108
Ion Ratio Lower Upper
152 100
150 161.9 127.0 190.6
115 67.3 54.3 81.5



#5
2-Fluorophenol
Concen: 59.88 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion:112 Resp: 135686
Ion Ratio Lower Upper
112 100
64 68.4 61.4 92.0
63 41.3 33.0 49.4

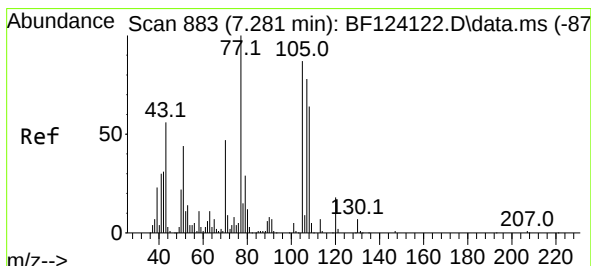
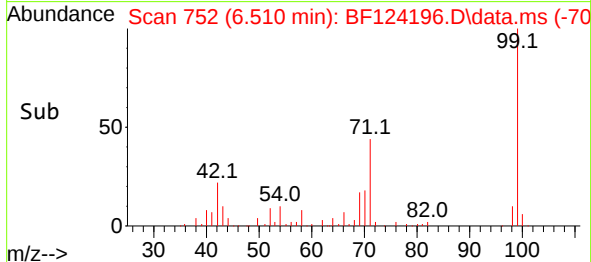
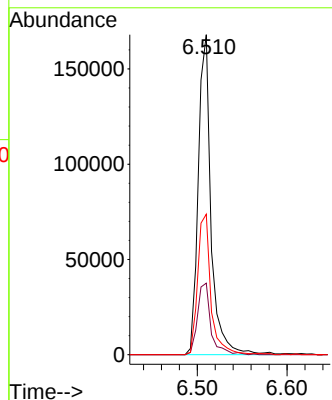
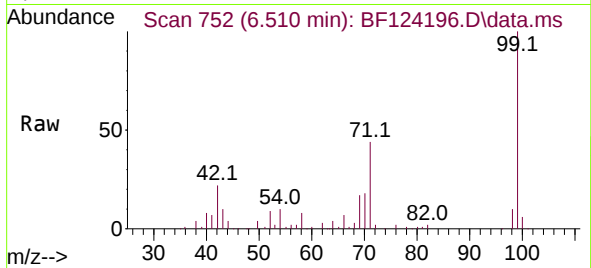




#7
Phenol-d6
Concen: 54.60 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

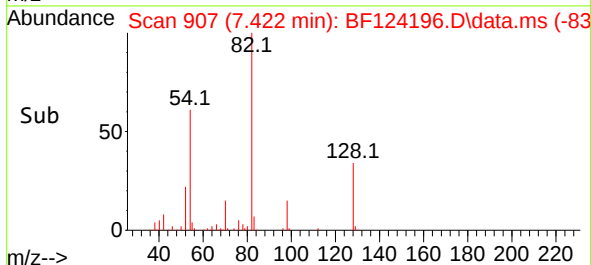
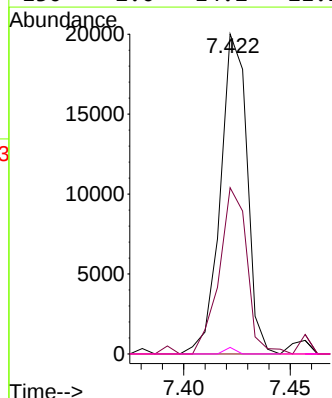
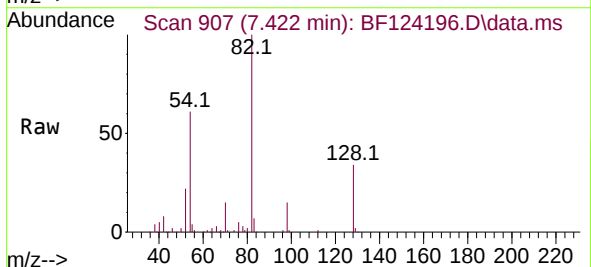
Instrument :
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ClientSampleId :
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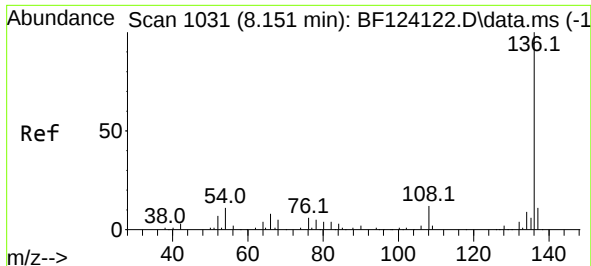
Tgt Ion: 99 Resp: 166294
Ion Ratio Lower Upper
99 100
42 22.3 19.8 29.8
71 43.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 8.13 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion: 70 Resp: 17475
Ion Ratio Lower Upper
70 100
42 52.0 60.1 90.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.2#

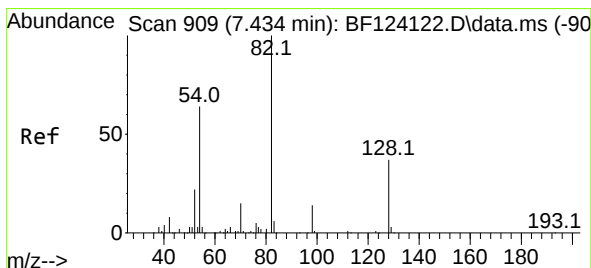
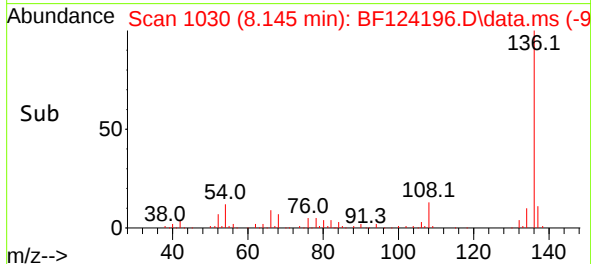
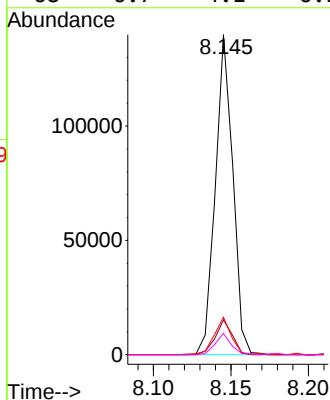
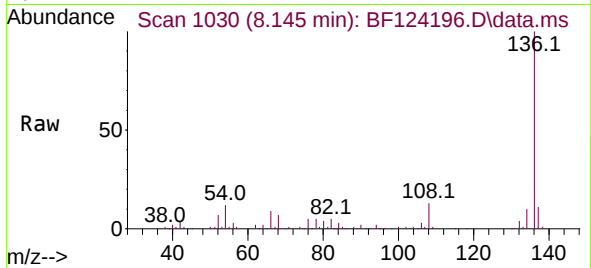




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

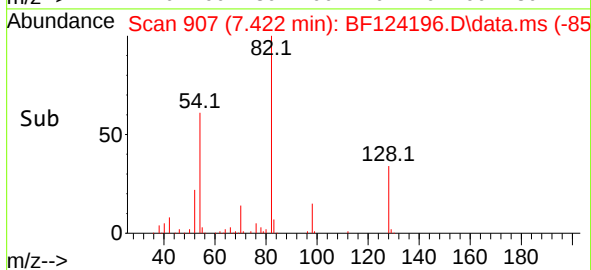
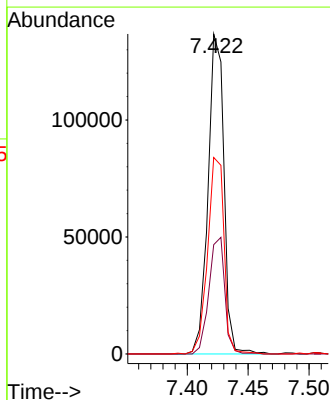
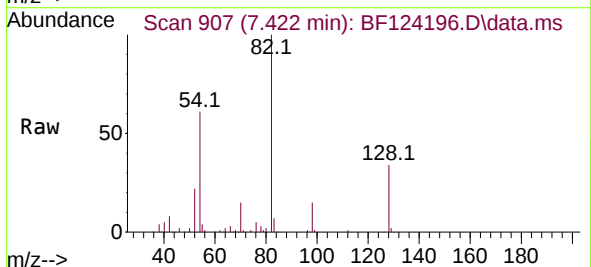
Instrument :
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ClientSampleId :
SU-02-060321

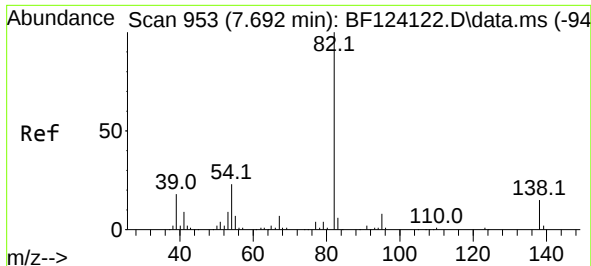
Tgt Ion:136	Resp: 109676
Ion Ratio	Lower Upper
136 100	
137 10.8	8.7 13.1
54 11.7	9.8 14.6
68 6.7	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 44.78 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion: 82	Resp: 123831
Ion Ratio	Lower Upper
82 100	
128 34.1	29.4 44.2
54 61.4	54.1 81.1

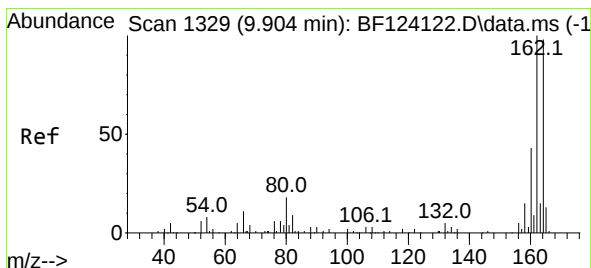
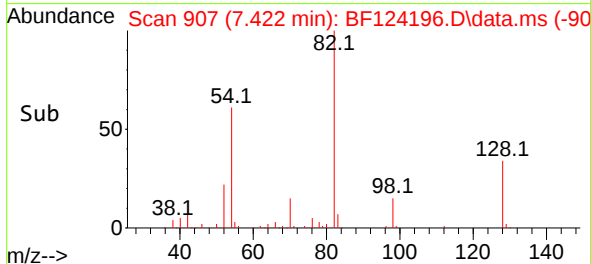
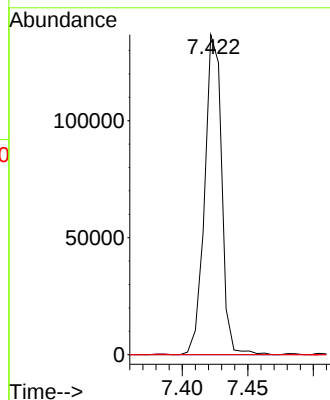
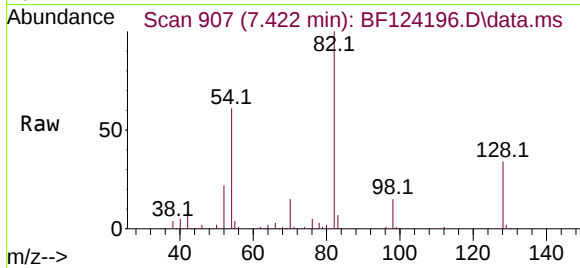




#25
Isophorone
Concen: 24.85 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

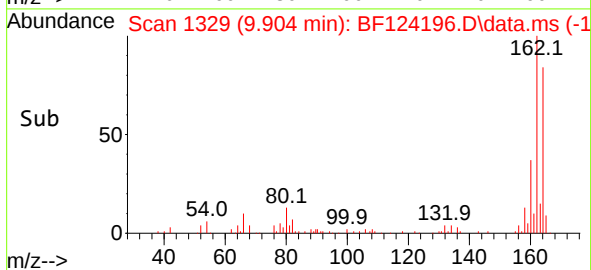
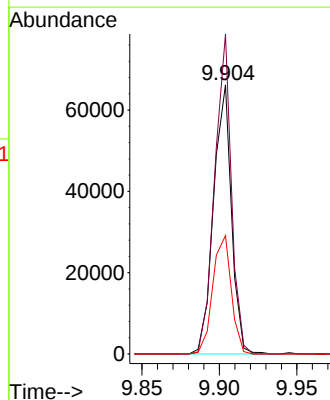
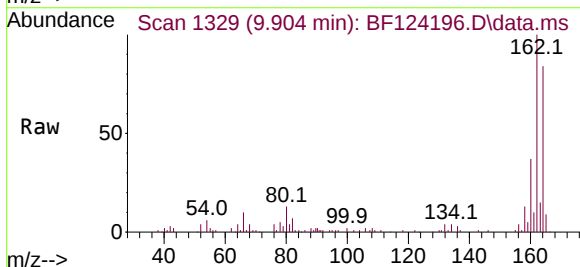
Instrument :
BNA_F
ClientSampleId :
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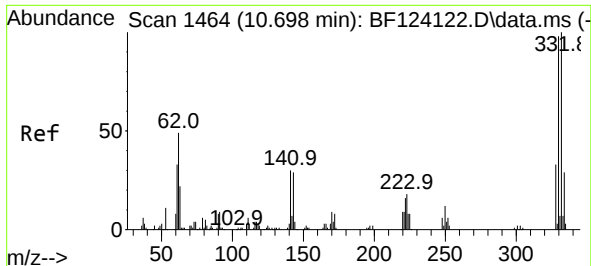
Tgt Ion: 82 Resp: 123829
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion:164 Resp: 53011
Ion Ratio Lower Upper
164 100
162 118.9 80.7 121.1
160 44.0 37.3 55.9

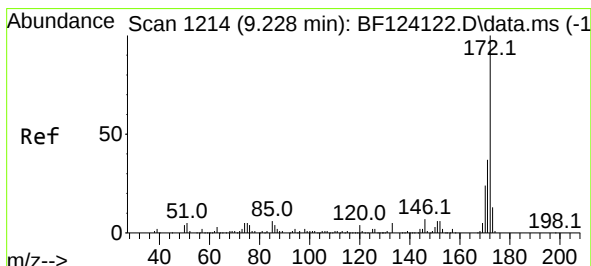
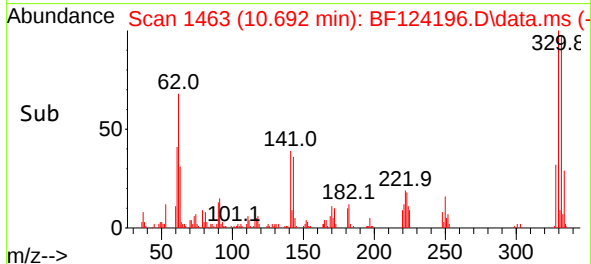
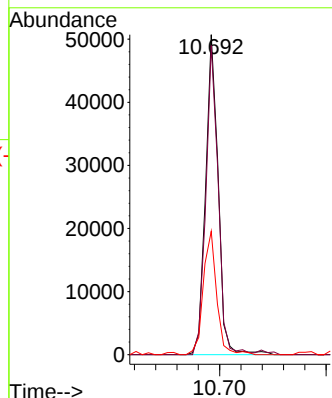
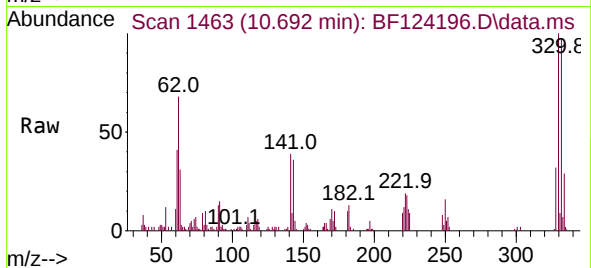




#42
2,4,6-Tribromophenol
Concen: 55.59 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

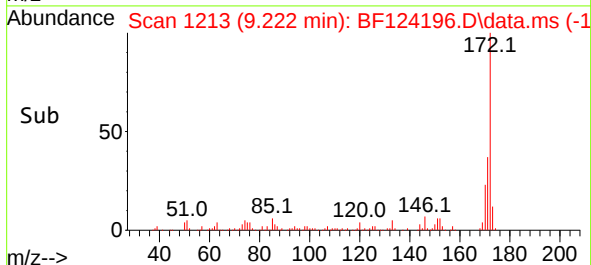
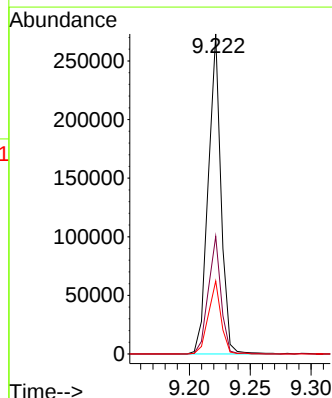
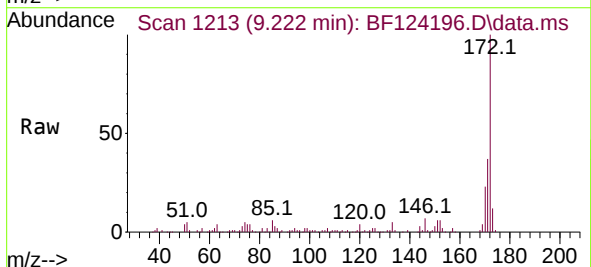
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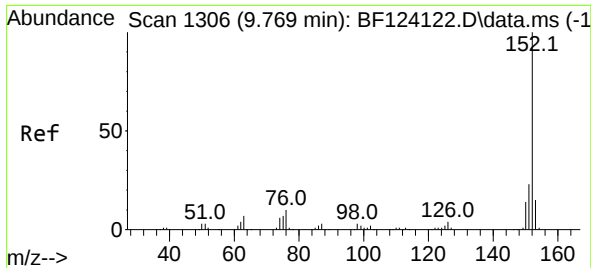
Tgt Ion:330 Resp: 41752
Ion Ratio Lower Upper
330 100
332 94.9 77.1 115.7
141 41.1 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 46.98 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion:172 Resp: 197928
Ion Ratio Lower Upper
172 100
171 36.8 28.1 42.1
170 22.8 19.2 28.8





#49

Acenaphthylene

Concen: 2.50 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF124196.D

Acq: 9 Jun 2021 00:02

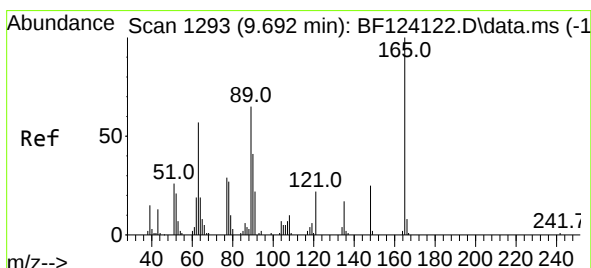
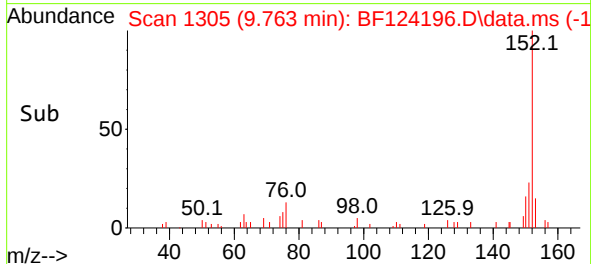
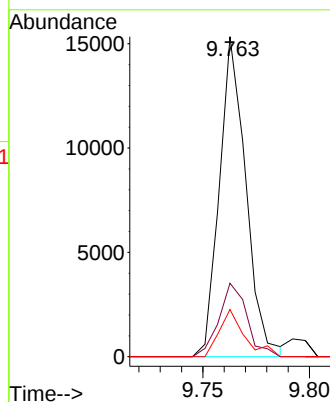
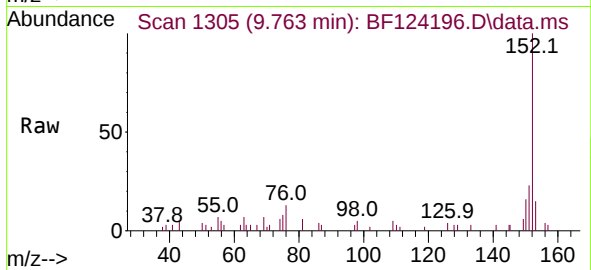
Instrument :

BNA_F

ClientSampleId :

SU-02-060321

Tgt Ion:152	Resp: 13223
Ion Ratio	Lower Upper
152	100
151	22.9 16.0 24.0
153	14.8 10.4 15.6



#51

2,6-Dinitrotoluene

Concen: 6.54 ng

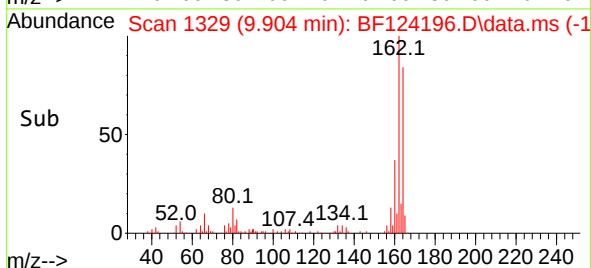
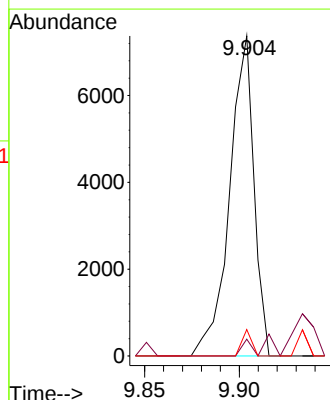
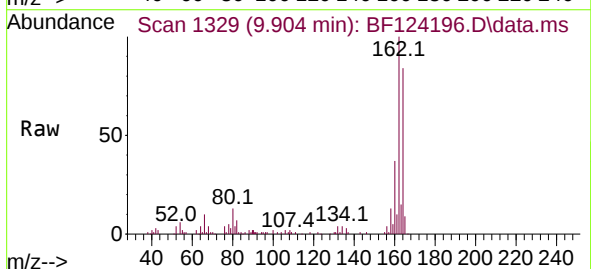
RT: 9.904 min Scan# 1329

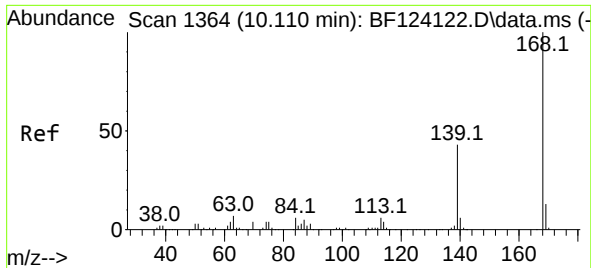
Delta R.T. 0.212 min

Lab File: BF124196.D

Acq: 9 Jun 2021 00:02

Tgt Ion:165	Resp: 6577
Ion Ratio	Lower Upper
165	100
63	5.2 67.7 101.5#
89	25.9 58.8 88.2#

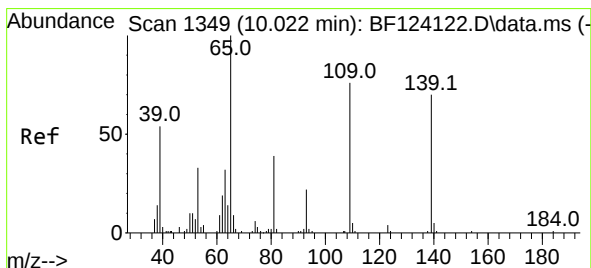
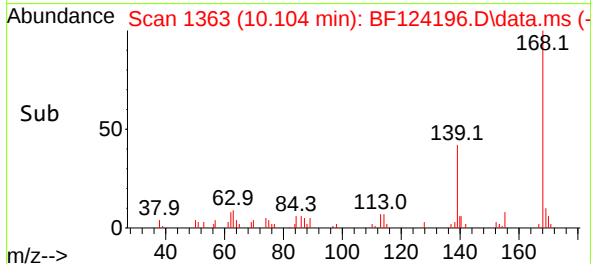
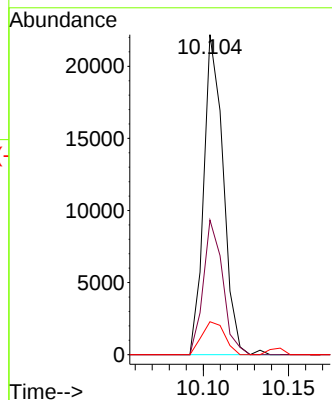
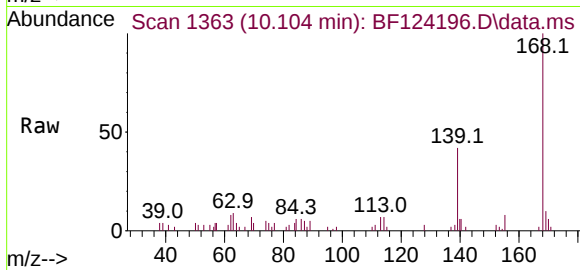




#55
Dibenzenofuran
Concen: 3.27 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

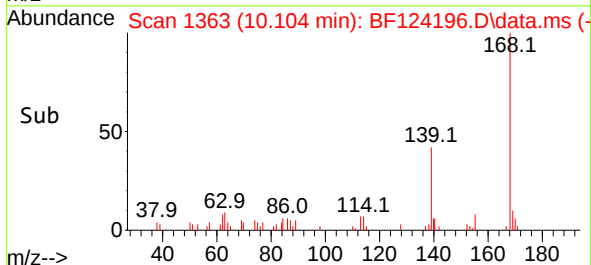
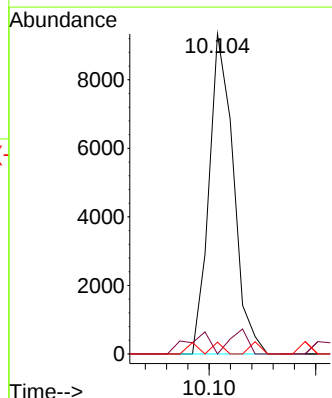
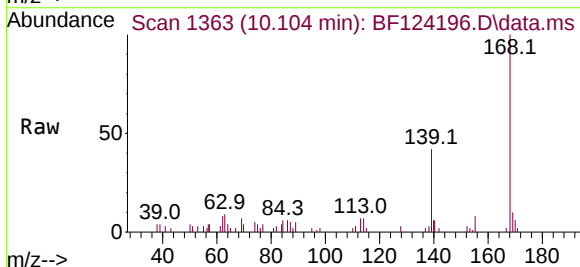
Instrument :
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ClientSampleId :
SU-02-060321

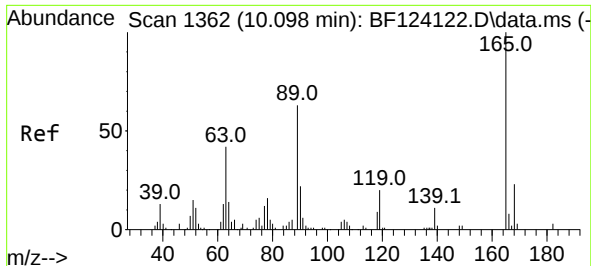
Tgt Ion:168 Resp: 17680
Ion Ratio Lower Upper
168 100
139 42.1 33.2 49.8
169 10.3 10.8 16.2#



#56
4-Nitrophenol
Concen: 11.04 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.082 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

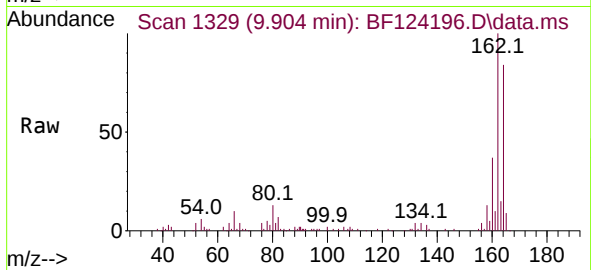
Tgt Ion:139 Resp: 7424
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 3.7 110.0 150.0#



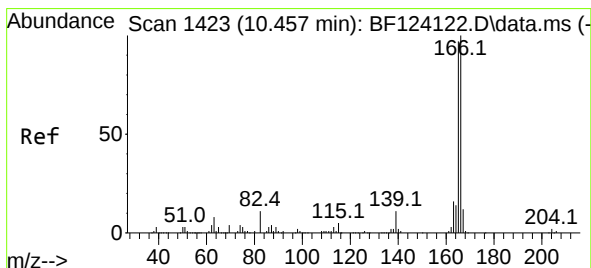
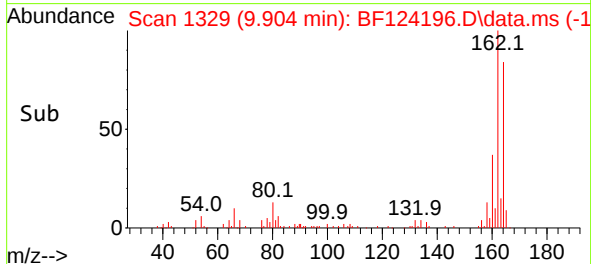
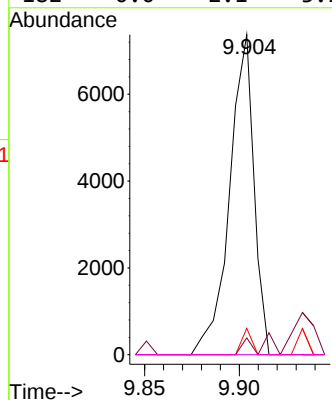


#57
2,4-Dinitrotoluene
Concen: 4.96 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Instrument :
BNA_F
ClientSampled :
SU-02-060321

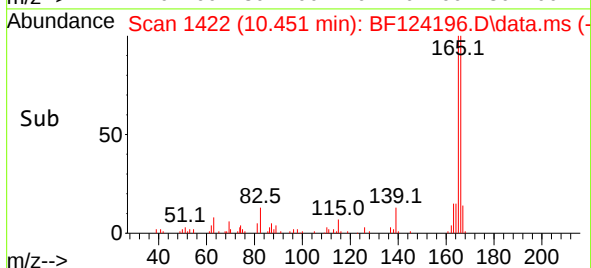
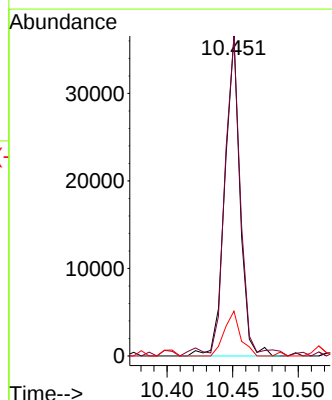
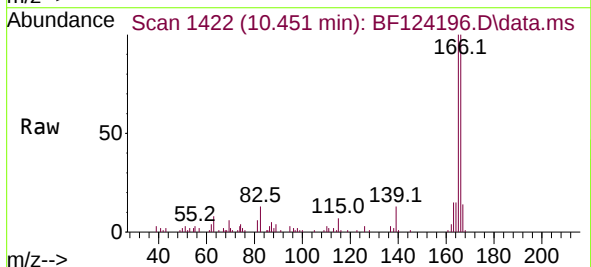


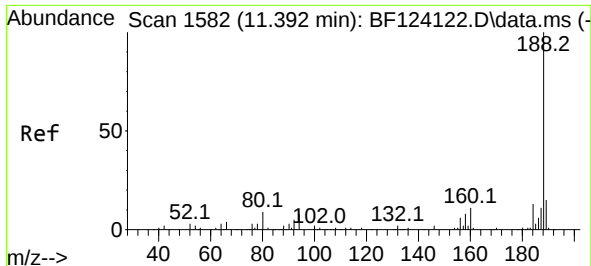
Tgt Ion:165 Resp: 6577
Ion Ratio Lower Upper
165 100
63 5.2 43.5 65.3#
89 25.9 67.7 101.5#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 7.09 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion:166 Resp: 29444
Ion Ratio Lower Upper
166 100
165 99.9 73.5 110.3
167 14.0 10.7 16.1

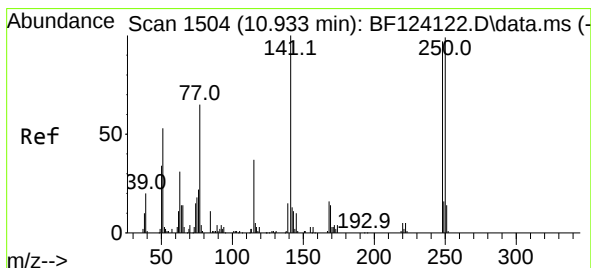
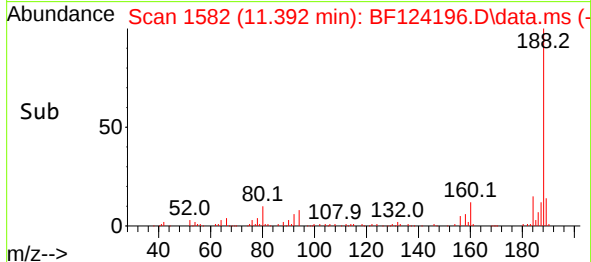
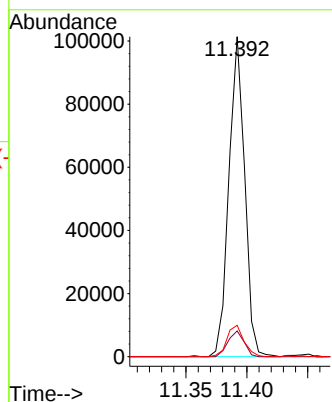
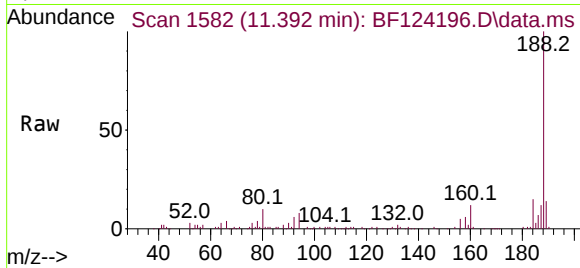




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

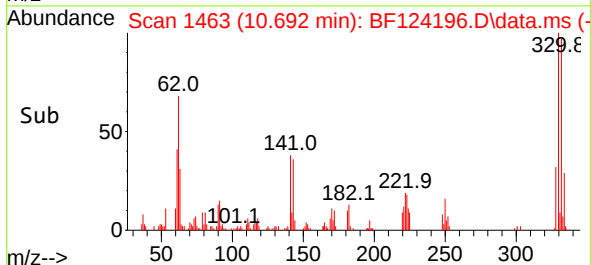
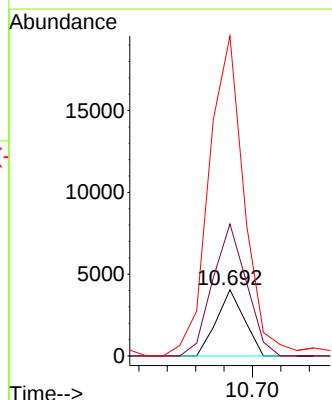
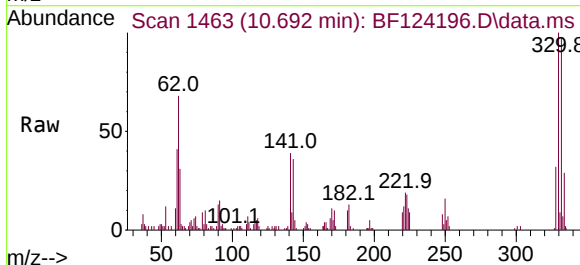
Instrument :
BNA_F
ClientSampleId :
SU-02-060321

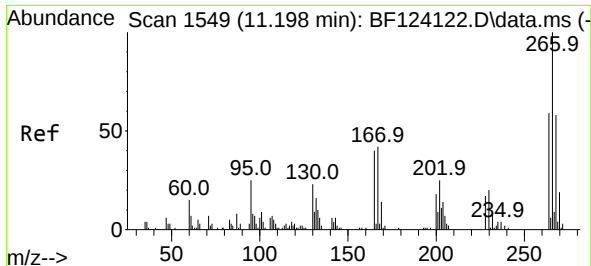
Tgt Ion:188 Resp: 91676
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 9.8 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.17 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.241 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion:248 Resp: 2736
Ion Ratio Lower Upper
248 100
250 199.3 77.4 116.2#
141 483.2 63.7 95.5#

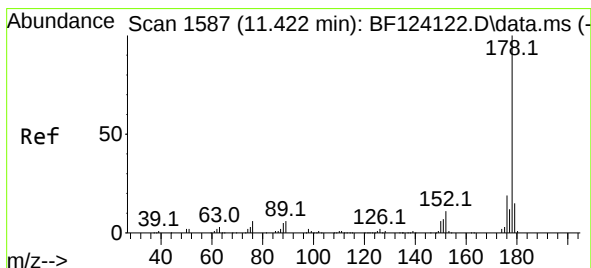
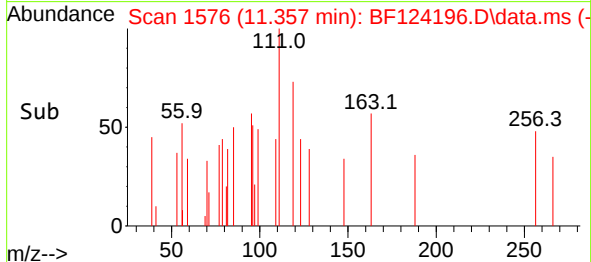
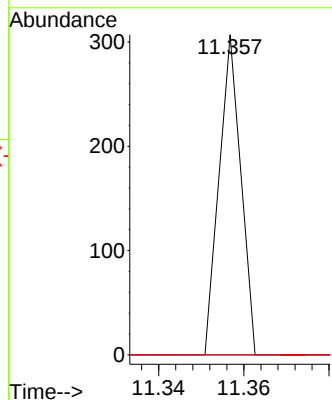
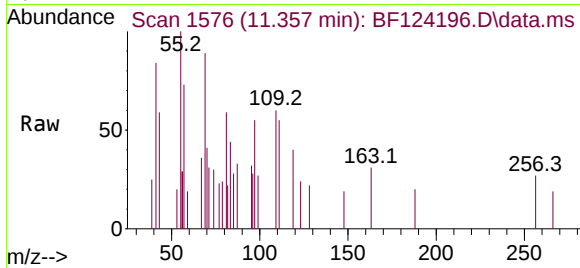




#70
 Pentachlorophenol
 Concen: 4.80 ng
 RT: 11.357 min Scan# 1576
 Delta R.T. 0.159 min
 Lab File: BF124196.D
 Acq: 9 Jun 2021 00:02

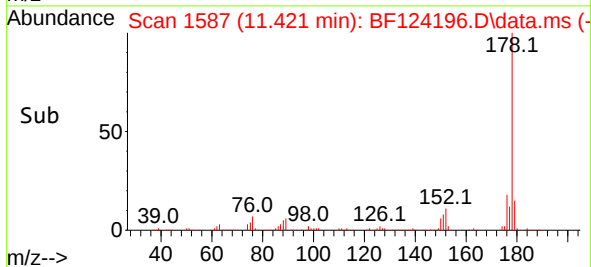
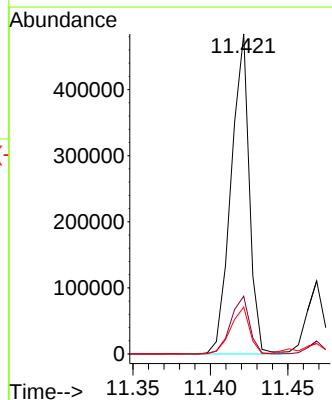
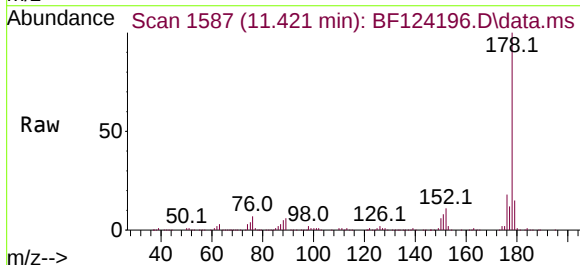
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-060321

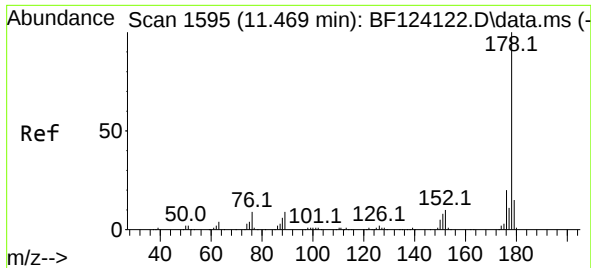
Tgt Ion:266 Resp: 108
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.6 77.4#
 264 0.0 52.6 78.8#



#71
 Phenanthrene
 Concen: 69.06 ng
 RT: 11.421 min Scan# 1587
 Delta R.T. -0.000 min
 Lab File: BF124196.D
 Acq: 9 Jun 2021 00:02

Tgt Ion:178 Resp: 395506
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.6 23.4
 179 14.6 12.5 18.7

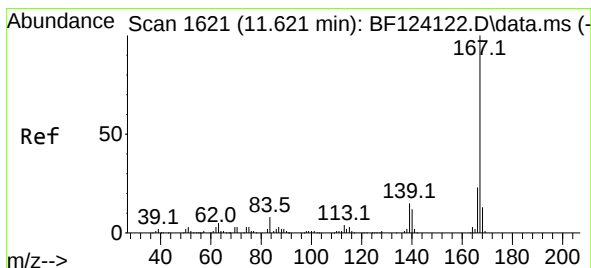
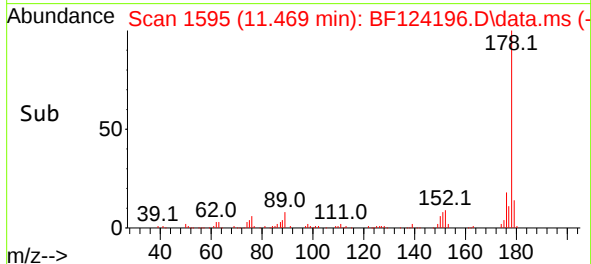
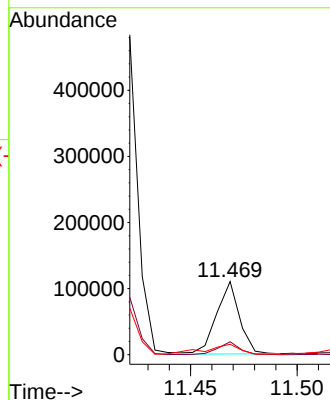
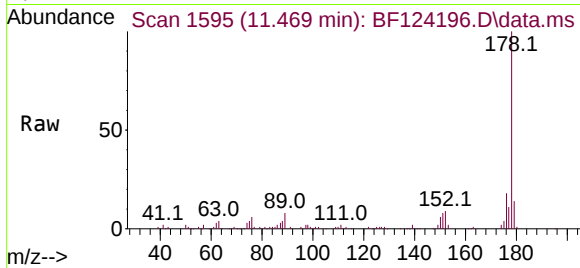




#72
 Anthracene
 Concen: 14.24 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.000 min
 Lab File: BF124196.D
 Acq: 9 Jun 2021 00:02

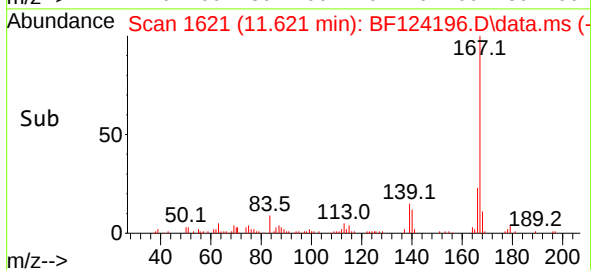
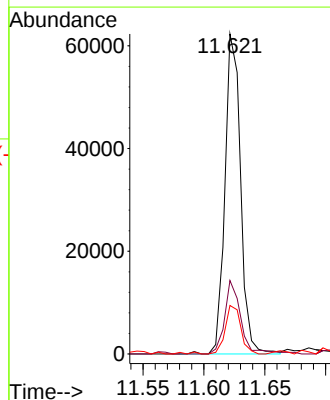
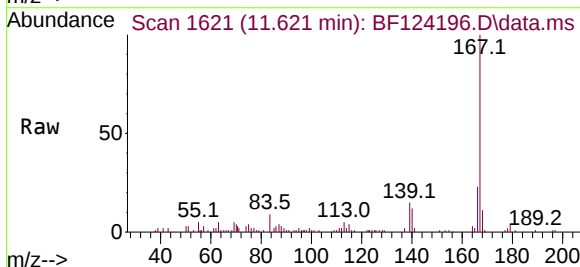
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-060321

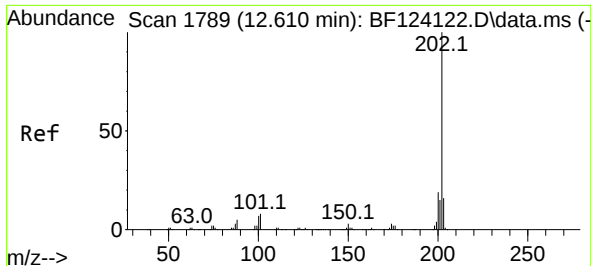
Tgt Ion:178 Resp: 82158
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.0
 179 14.3 12.6 18.8



#73
 Carbazole
 Concen: 11.11 ng
 RT: 11.621 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF124196.D
 Acq: 9 Jun 2021 00:02

Tgt Ion:167 Resp: 55815
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.0 25.6
 139 15.1 10.4 15.6

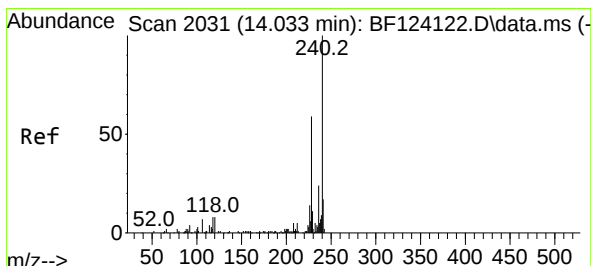
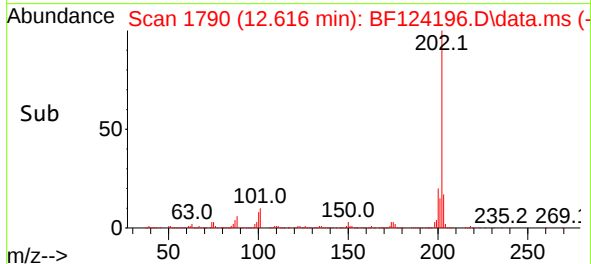
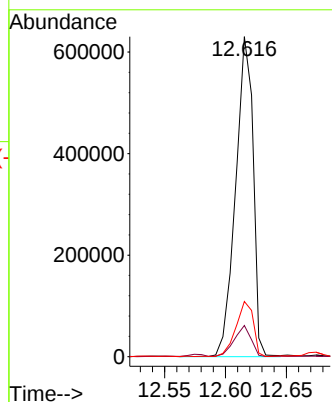
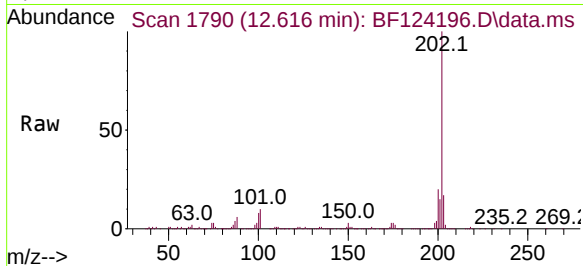




#75
Fluoranthene
Concen: 104.66 ng
RT: 12.616 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

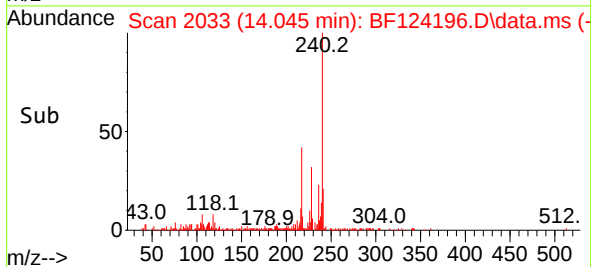
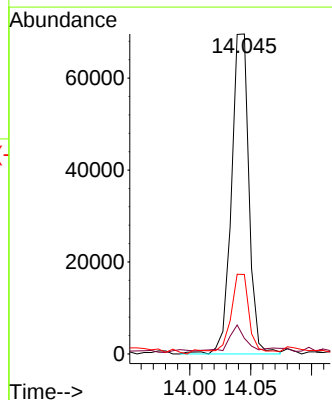
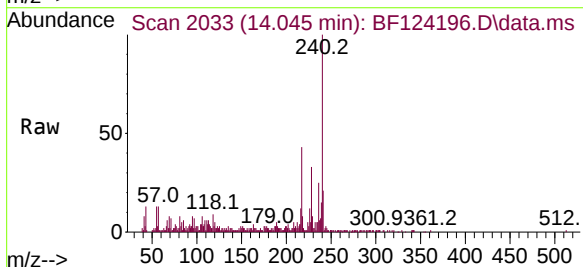
Instrument :
BNA_F
ClientSampleId :
SU-02-060321

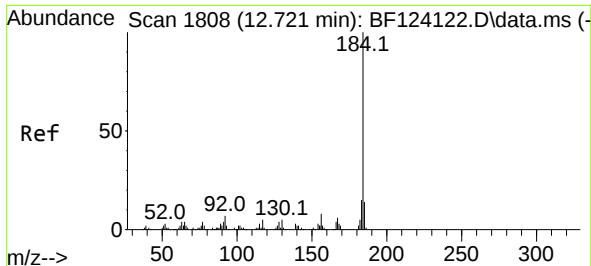
Tgt Ion:202 Resp: 629141
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.9
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.012 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion:240 Resp: 69597
Ion Ratio Lower Upper
240 100
120 4.9 7.2 10.8#
236 24.9 19.0 28.4

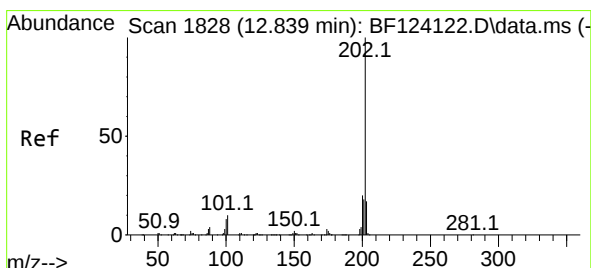
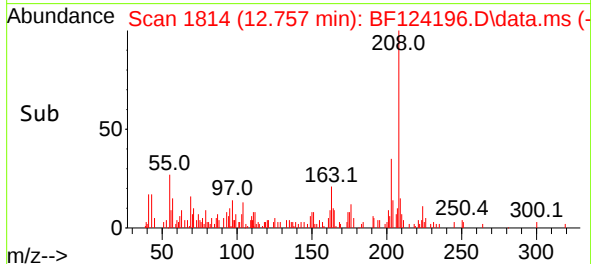
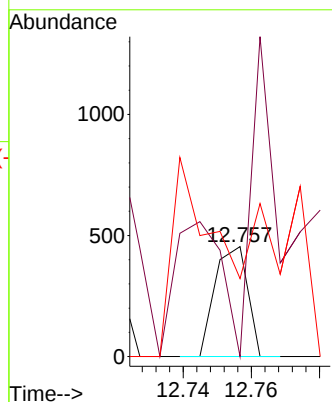
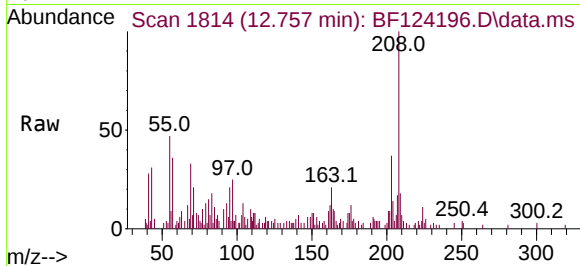




#77
Benzidine
Concen: 4.23 ng
RT: 12.757 min Scan# 1814
Delta R.T. 0.036 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

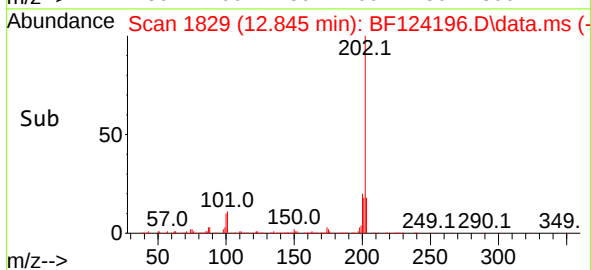
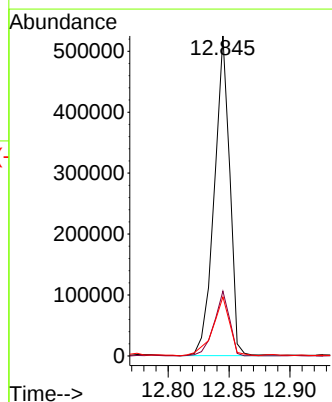
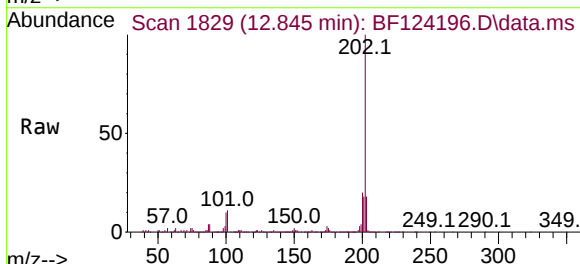
Instrument :
BNA_F
ClientSampleId :
SU-02-060321

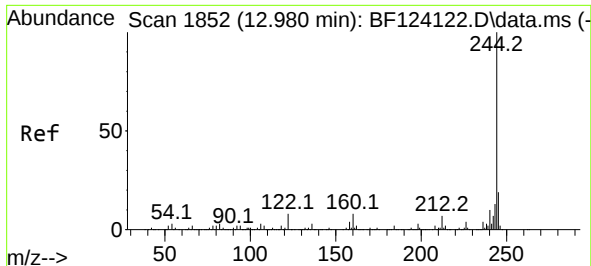
Tgt Ion:184 Resp: 302
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 70.9 7.8 11.8#



#78
Pyrene
Concen: 69.17 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion:202 Resp: 462274
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 18.4 14.8 22.2

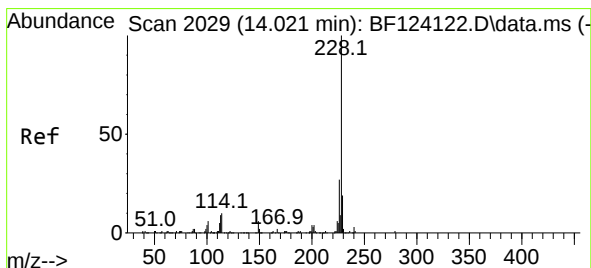
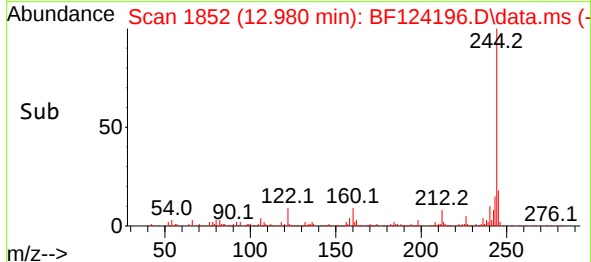
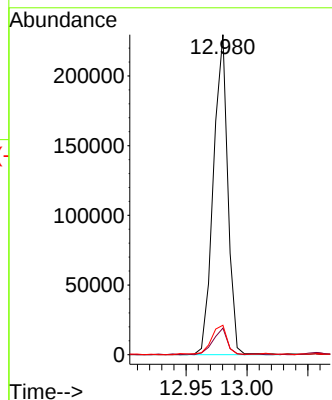
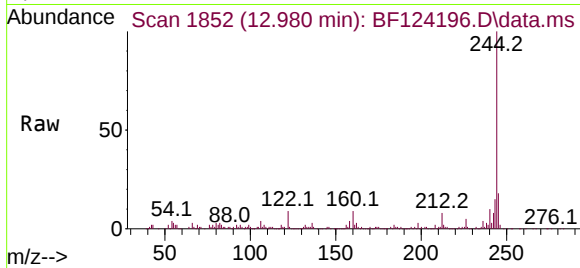




#79
 Terphenyl-d14
 Concen: 37.20 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: BF124196.D
 Acq: 9 Jun 2021 00:02

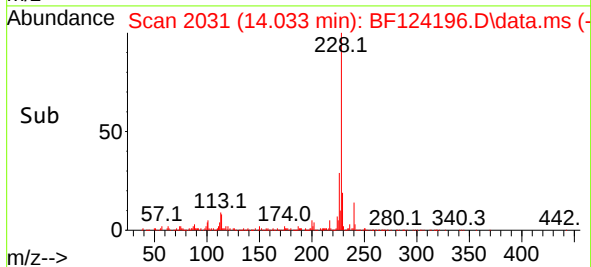
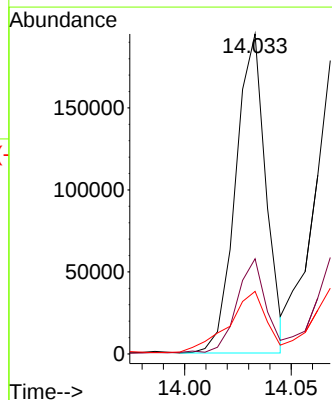
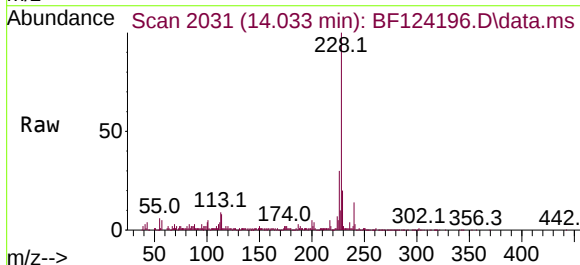
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-060321

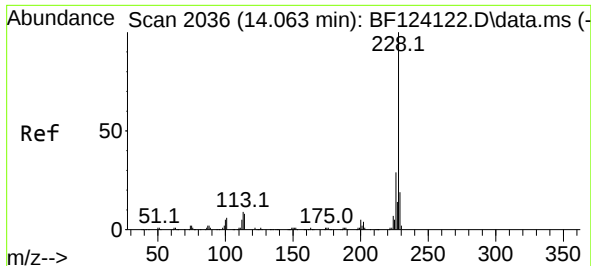
Tgt Ion:244 Resp: 188564
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.7 8.5
 122 9.2 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 37.94 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.012 min
 Lab File: BF124196.D
 Acq: 9 Jun 2021 00:02

Tgt Ion:228 Resp: 192364
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.4 33.6
 229 19.6 16.0 24.0

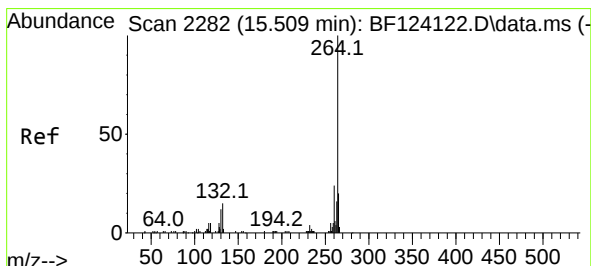
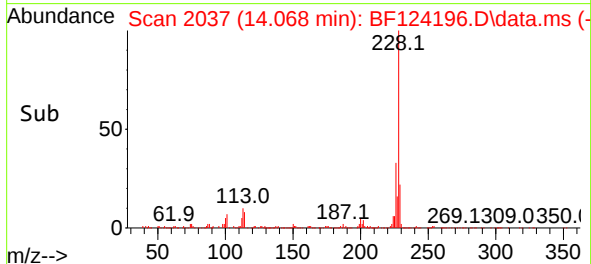
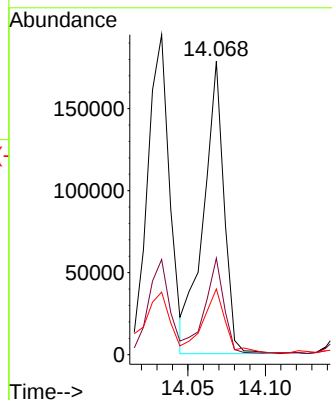
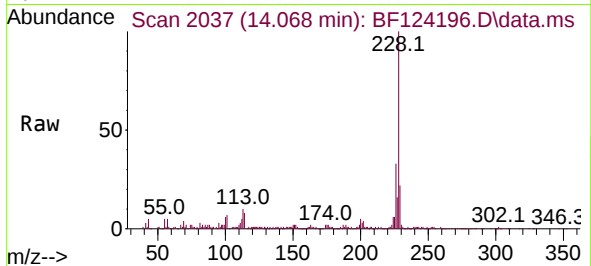




#83
Chrysene
Concen: 33.55 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

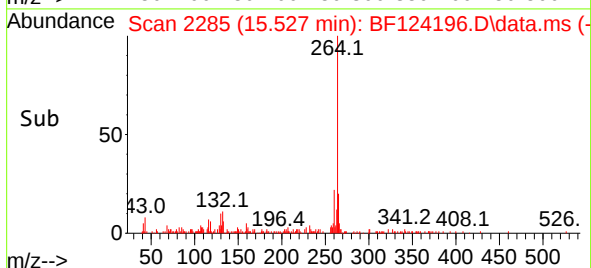
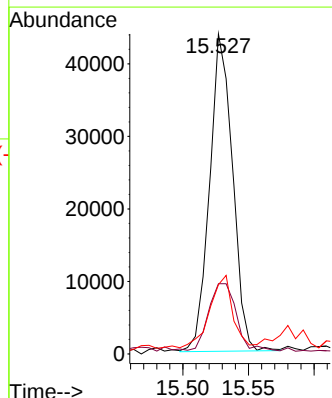
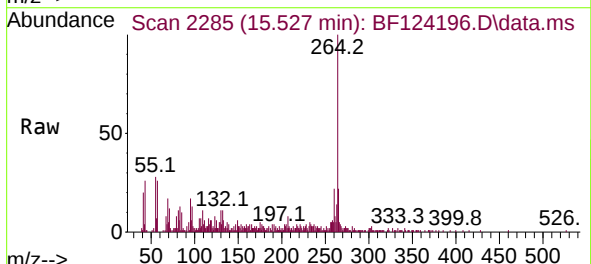
Instrument :
BNA_F
ClientSampleId :
SU-02-060321

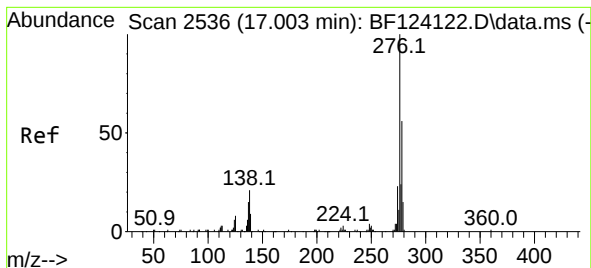
Tgt Ion:228 Resp: 164124
Ion Ratio Lower Upper
228 100
226 32.9 24.3 36.5
229 22.4 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.527 min Scan# 2285
Delta R.T. 0.018 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion:264 Resp: 53395
Ion Ratio Lower Upper
264 100
260 22.0 18.7 28.1
265 21.7 17.8 26.8

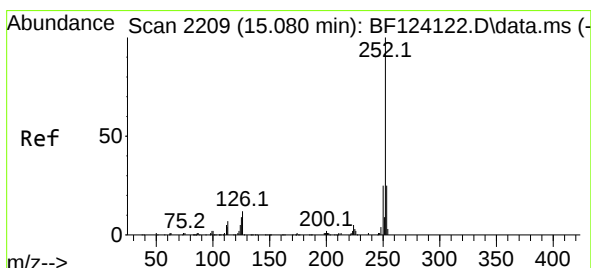
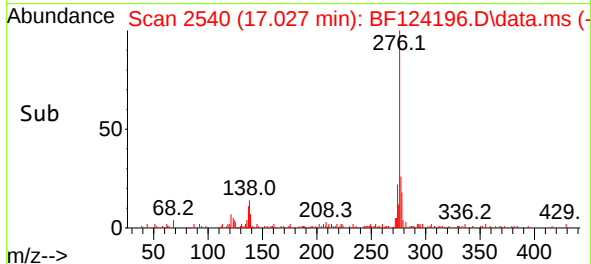
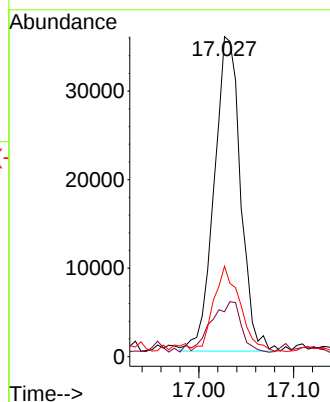
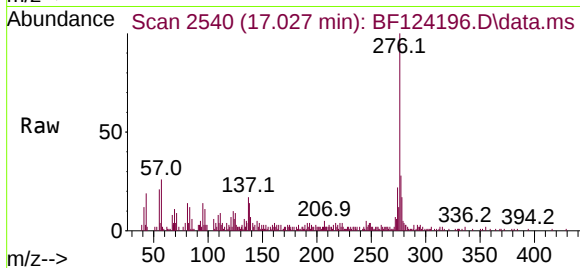




#87
Indeno(1,2,3-cd)pyrene
Concen: 18.42 ng
RT: 17.027 min Scan# 2540
Delta R.T. 0.024 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

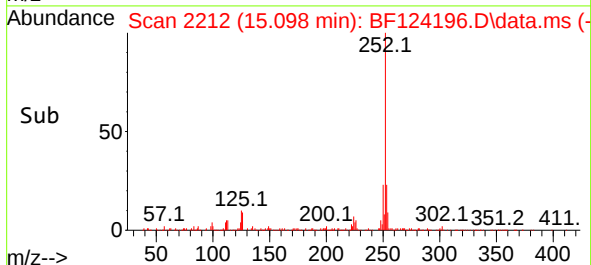
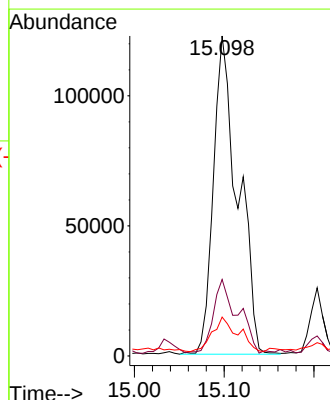
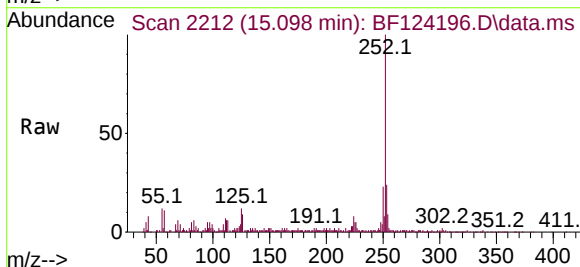
Instrument :
BNA_F
ClientSampleId :
SU-02-060321

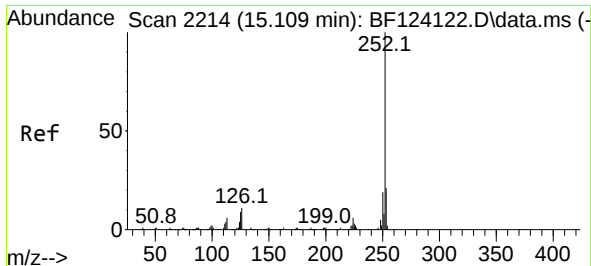
Tgt Ion:276 Resp: 68815
Ion Ratio Lower Upper
276 100
138 21.4 16.2 24.2
277 27.0 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 55.94 ng
RT: 15.098 min Scan# 2212
Delta R.T. 0.018 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion:252 Resp: 232013
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 12.2 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 59.09 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF124196.D

Acq: 9 Jun 2021 00:02

Tgt Ion:252 Resp: 232013

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

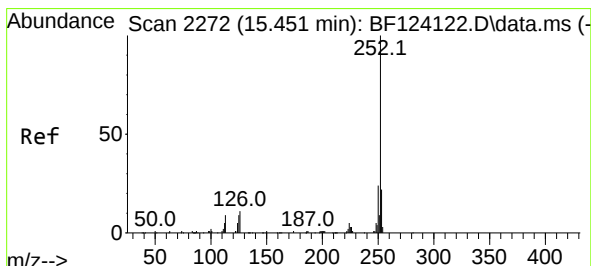
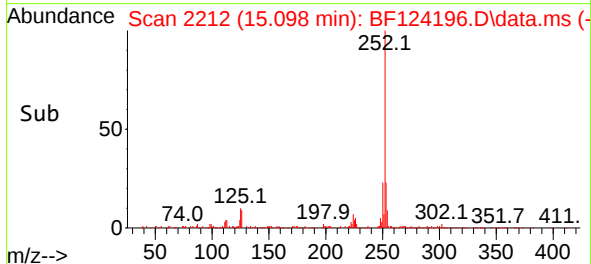
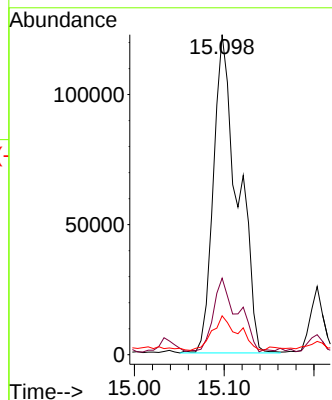
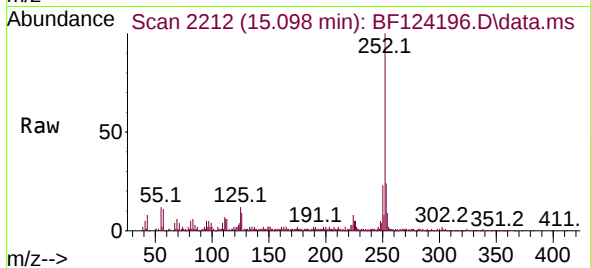
125 12.2 7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

SU-02-060321



#90

Benzo(a)pyrene

Concen: 33.13 ng

RT: 15.468 min Scan# 2275

Delta R.T. 0.018 min

Lab File: BF124196.D

Acq: 9 Jun 2021 00:02

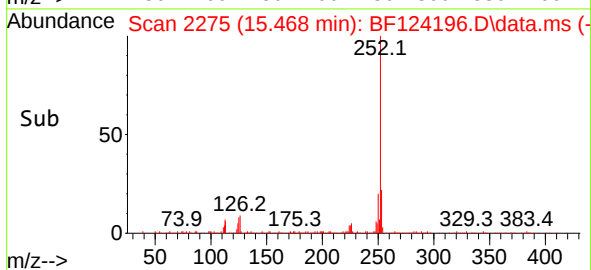
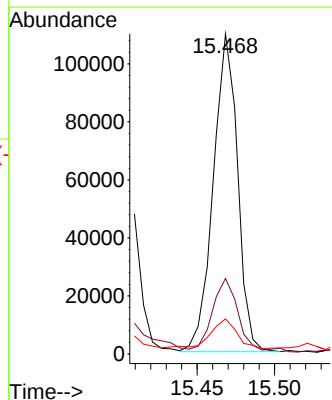
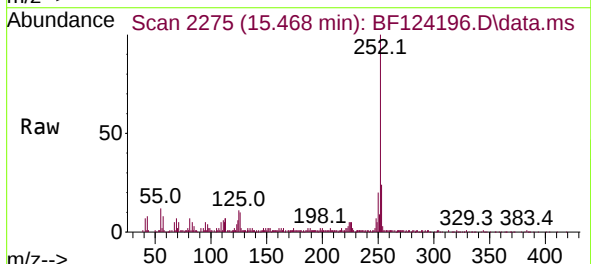
Tgt Ion:252 Resp: 119354

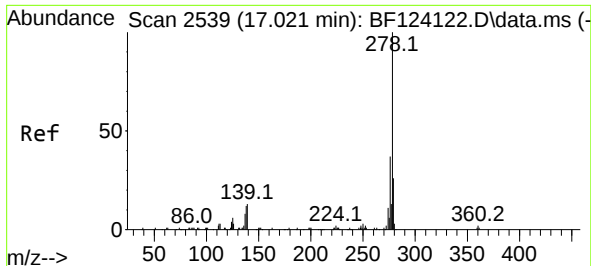
Ion Ratio Lower Upper

252 100

253 23.6 18.4 27.6

125 11.0 8.0 12.0

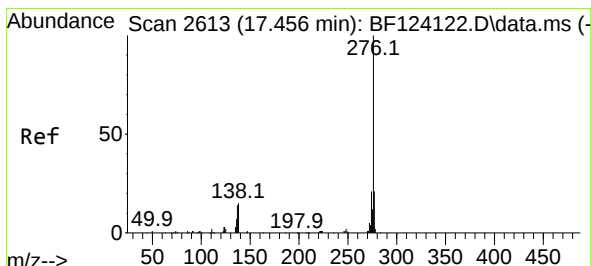
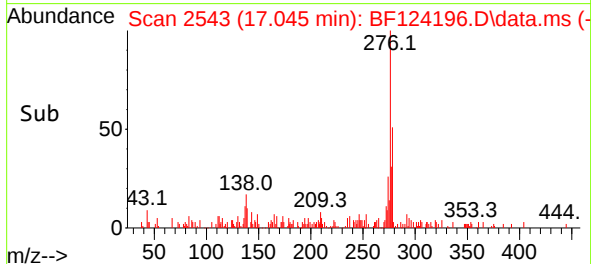
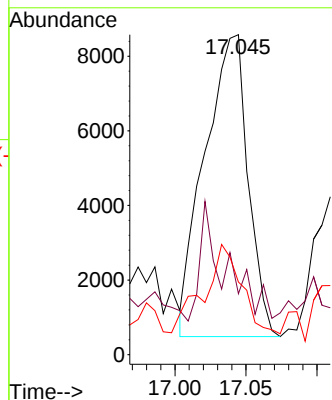
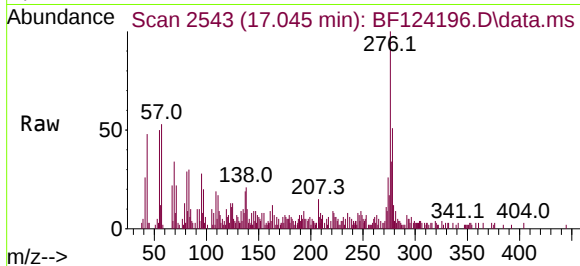




#91
Dibenzo(a,h)anthracene
Concen: 8.31 ng
RT: 17.045 min Scan# 2543
Delta R.T. 0.024 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Instrument :
BNA_F
ClientSampleId :
SU-02-060321

Tgt Ion:278 Resp: 17181
Ion Ratio Lower Upper
278 100
139 19.0 10.2 15.2#
279 22.7 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 18.88 ng
RT: 17.486 min Scan# 2618
Delta R.T. 0.030 min
Lab File: BF124196.D
Acq: 9 Jun 2021 00:02

Tgt Ion:276 Resp: 61282
Ion Ratio Lower Upper
276 100
277 23.0 18.2 27.2
138 21.5 13.8 20.6#

