

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124193.D
 Acq On : 8 Jun 2021 22:23
 Operator : JU/CG
 Sample : M2598-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 17

Quant Time: Jun 09 04:09:53 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)

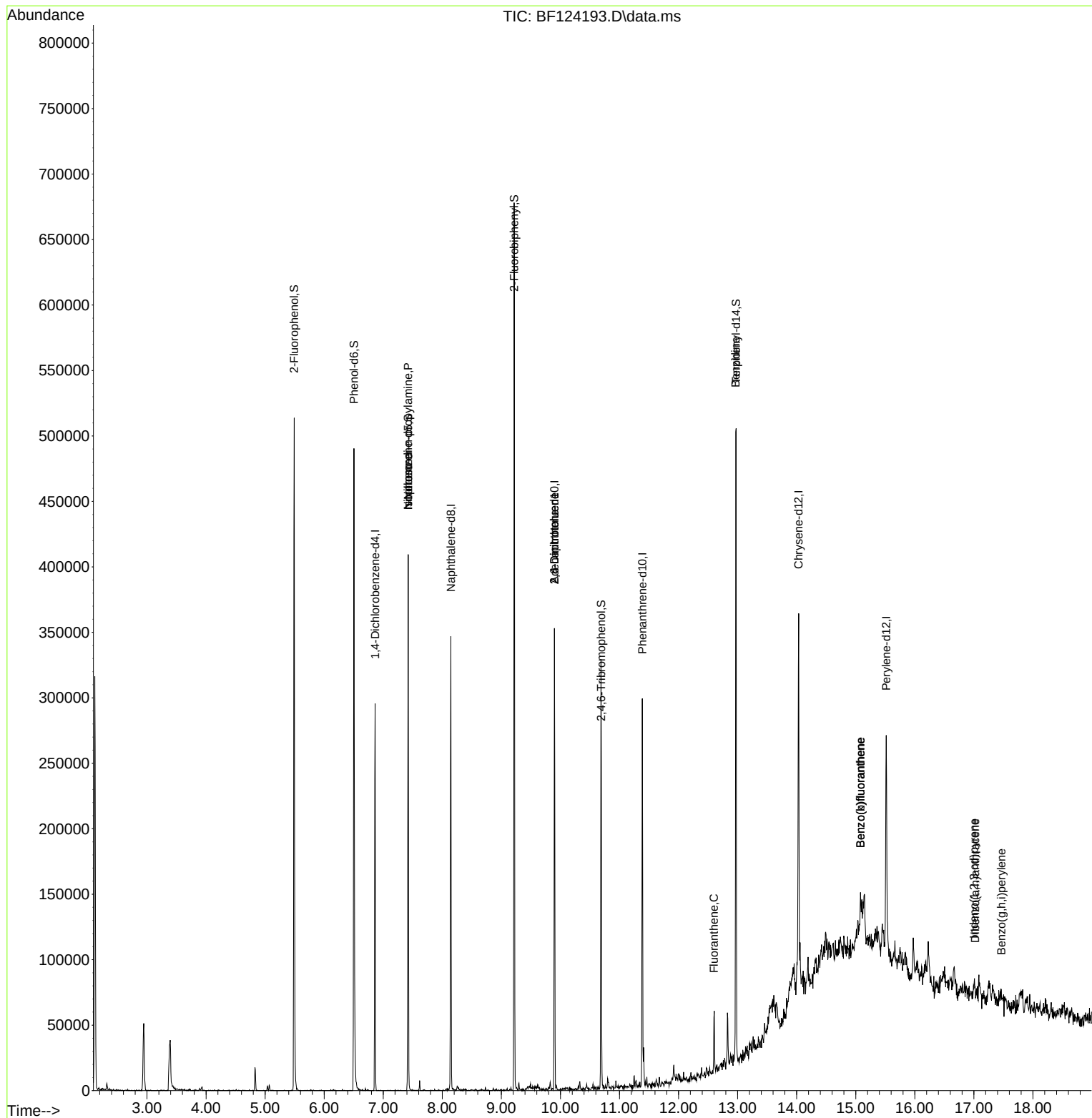
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	37876	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	122890	20.00	ng	# 0.00
39) Acenaphthene-d10	9.898	164	59696	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	91285	20.00	ng	0.00
76) Chrysene-d12	14.033	240	80498	20.00	ng	0.00
86) Perylene-d12	15.515	264	64922	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	112293	44.63	ng	0.00
7) Phenol-d6	6.504	99	131296	38.82	ng	0.00
23) Nitrobenzene-d5	7.422	82	105370	34.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	30617	36.20	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	172280	36.32	ng	-0.01
79) Terphenyl-d14	12.974	244	138629	23.64	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	14612	6.12	ng	# 73
25) Isophorone	7.422	82	105253	18.85	ng	# 69
51) 2,6-Dinitrotoluene	9.898	165	8269	7.30	ng	# 12
57) 2,4-Dinitrotoluene	9.898	165	8269	5.54	ng	# 18
75) Fluoranthene	12.598	202	16398	2.74	ng	94
77) Benzidine	12.969	184	2967	5.51	ng	# 83
87) Indeno(1,2,3-cd)pyrene	17.004	276	3783	4.97	ng	# 70
88) Benzo(b)fluoranthene	15.080	252	14081	2.79	ng	# 82
89) Benzo(k)fluoranthene	15.080	252	14081	2.95	ng	# 83
91) Dibenzo(a,h)anthracene	17.021	278	1367	4.45	ng	# 39
92) Benzo(g,h,i)perylene	17.468	276	4112	4.64	ng	# 71

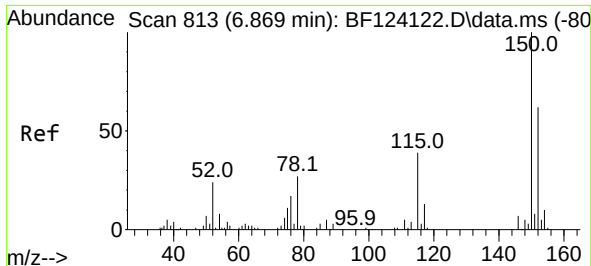
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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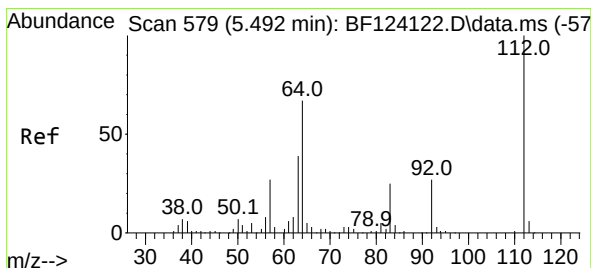
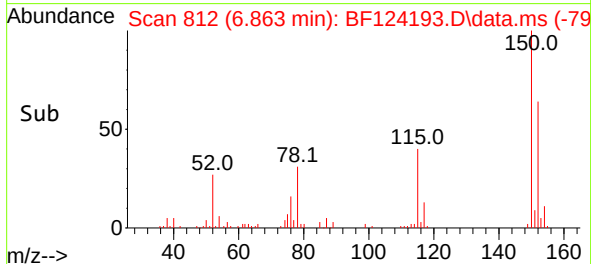
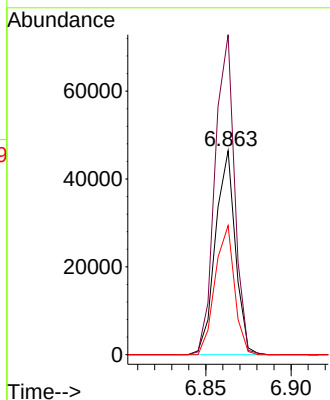
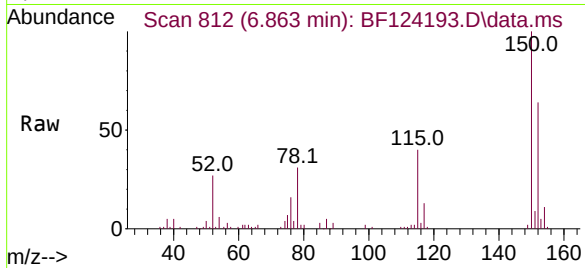




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

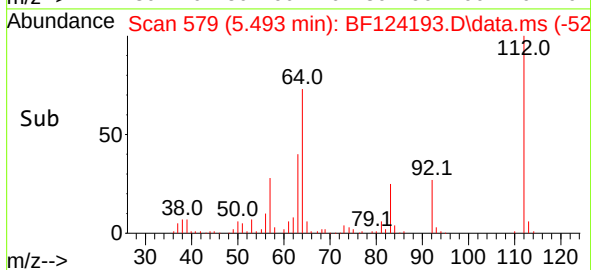
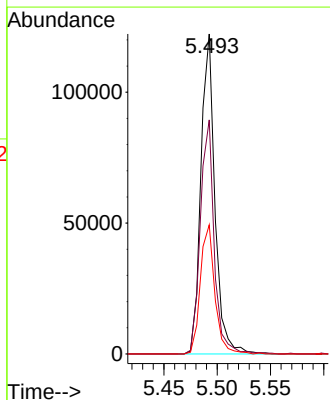
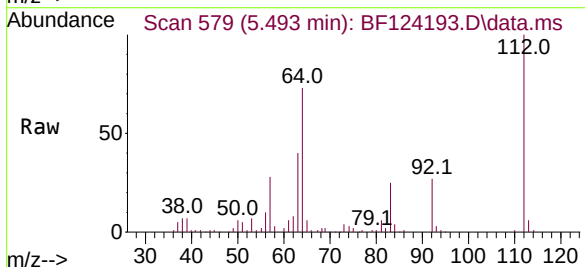
Instrument :
BNA_F
ClientSampleId :
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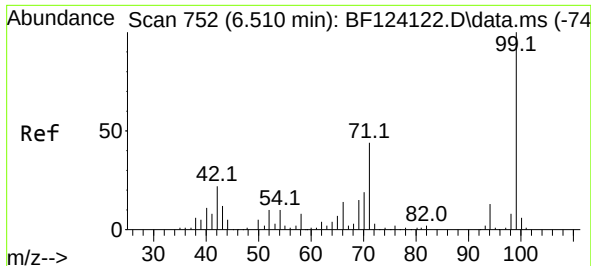
Tgt Ion:152 Resp: 37876
Ion Ratio Lower Upper
152 100
150 156.9 127.0 190.6
115 63.3 54.3 81.5



#5
2-Fluorophenol
Concen: 44.63 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

Tgt Ion:112 Resp: 112293
Ion Ratio Lower Upper
112 100
64 73.2 61.4 92.0
63 40.3 33.0 49.4

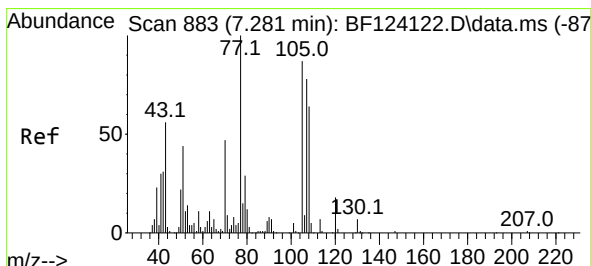
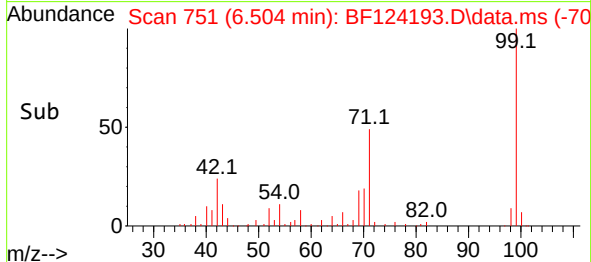
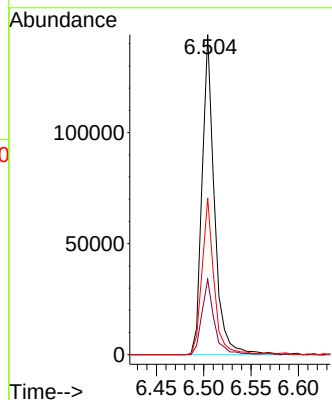
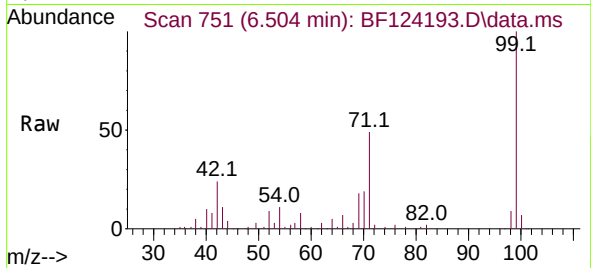




#7
Phenol-d6
Concen: 38.82 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

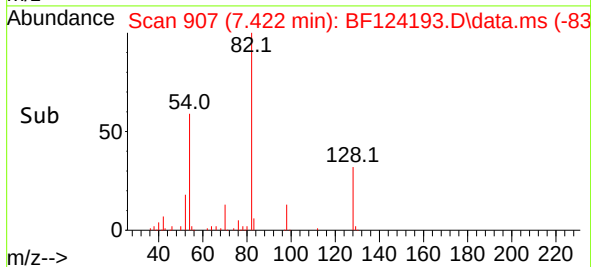
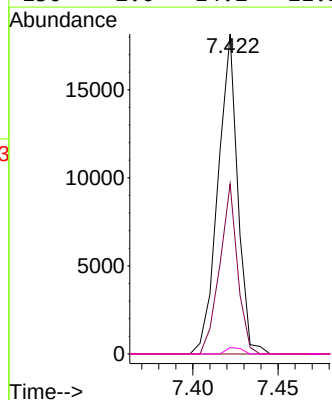
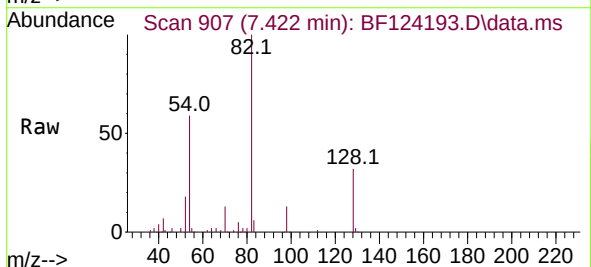
Instrument :
BNA_F
ClientSampled :
17

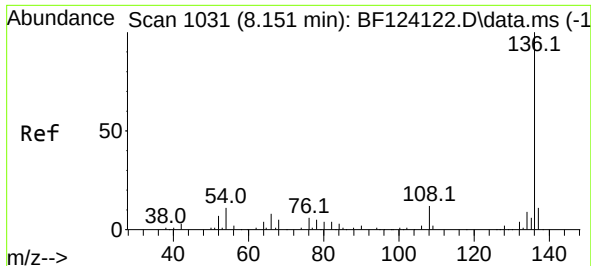
Tgt Ion: 99 Resp: 131296
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.8
71 49.0 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 6.12 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

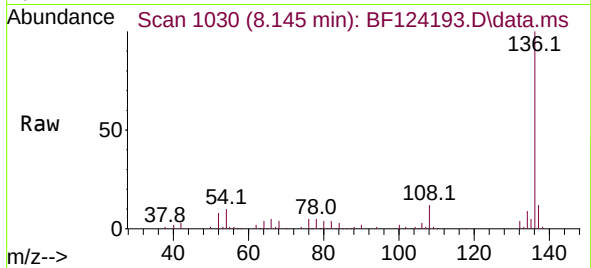
Tgt Ion: 70 Resp: 14612
Ion Ratio Lower Upper
70 100
42 53.1 60.1 90.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.2#



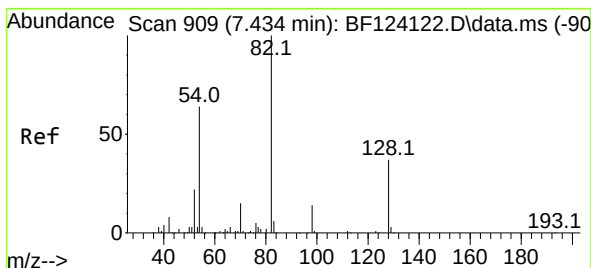
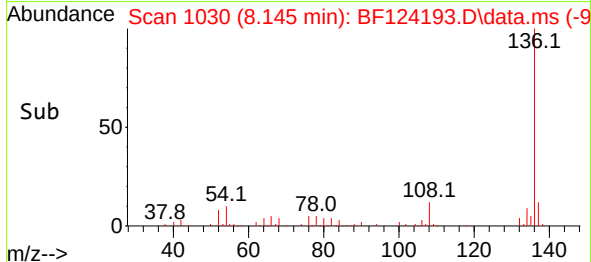
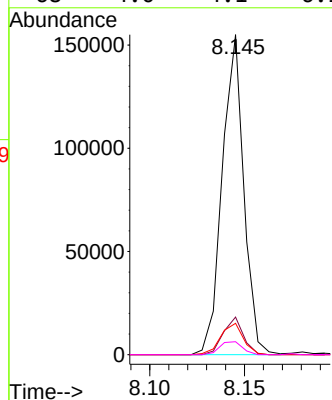


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

Instrument :
BNA_F
ClientSampleId :
17

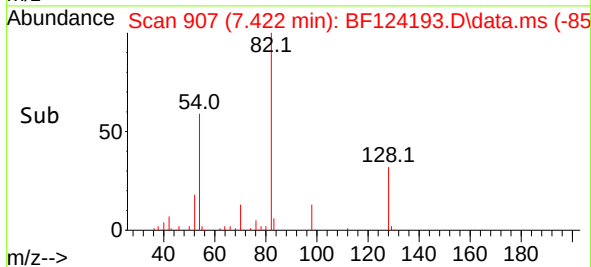
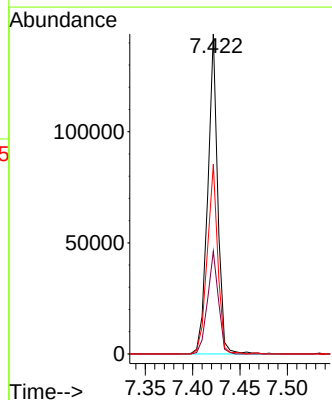
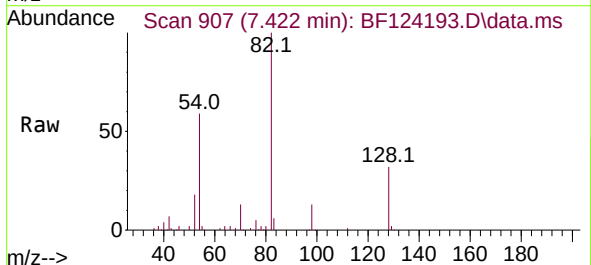


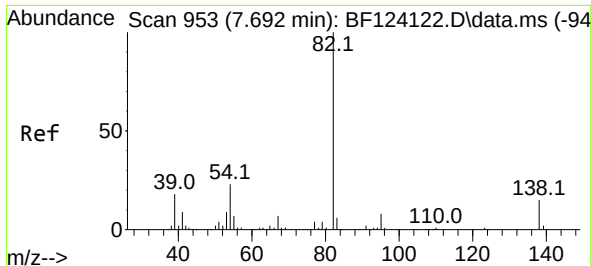
Tgt Ion:136	Resp: 122890
Ion Ratio	Lower Upper
136	100
137	11.8 8.7 13.1
54	9.8 9.8 14.6
68	4.0 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 34.01 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

Tgt Ion: 82	Resp: 105370
Ion Ratio	Lower Upper
82	100
128	32.1 29.4 44.2
54	59.2 54.1 81.1

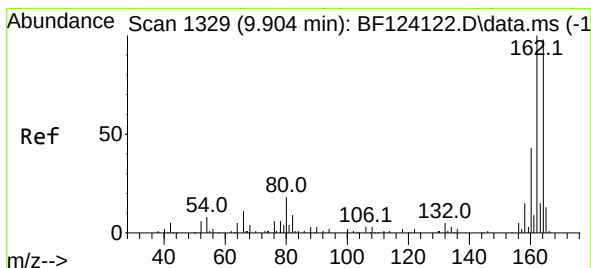
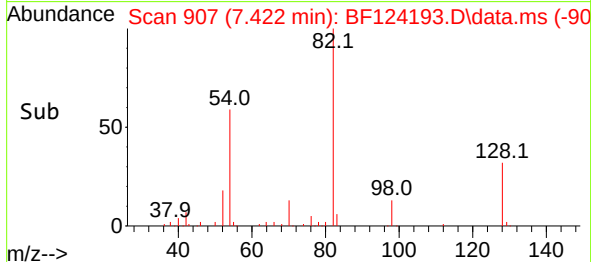
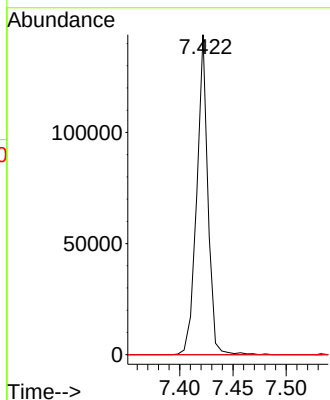
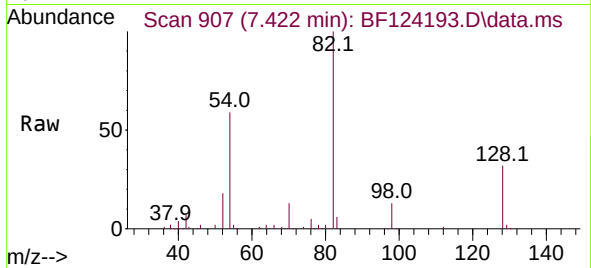




#25
Isophorone
Concen: 18.85 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

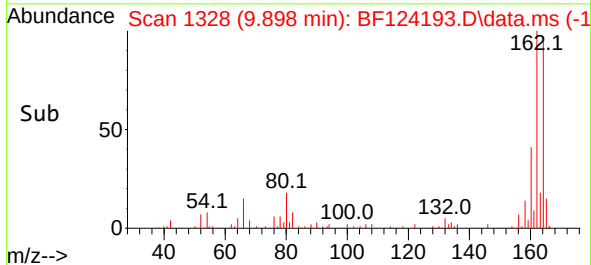
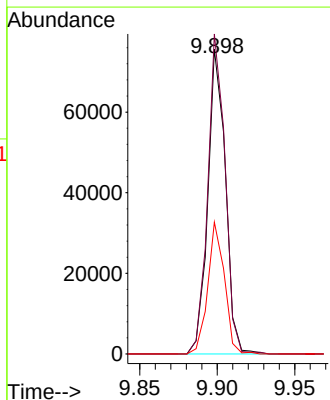
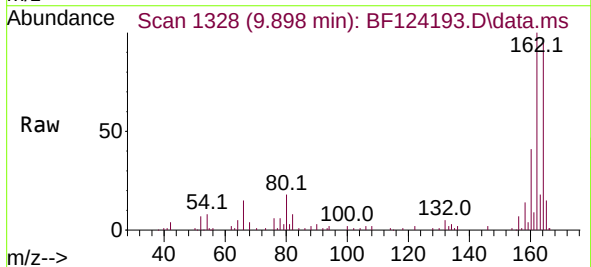
Instrument :
BNA_F
ClientSampleId :
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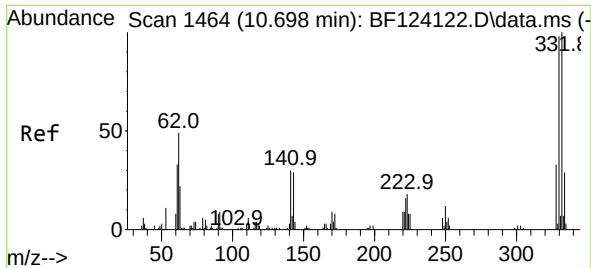
Tgt Ion: 82 Resp: 105253
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

Tgt Ion:164 Resp: 59696
Ion Ratio Lower Upper
164 100
162 105.0 80.7 121.1
160 43.3 37.3 55.9

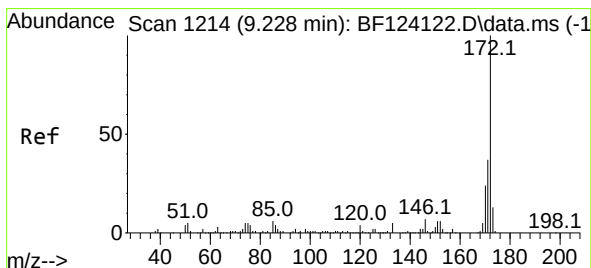
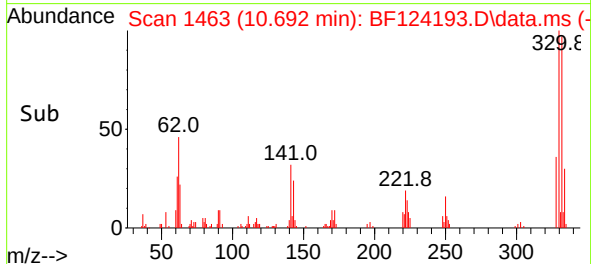
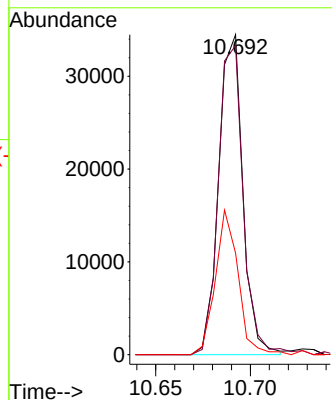
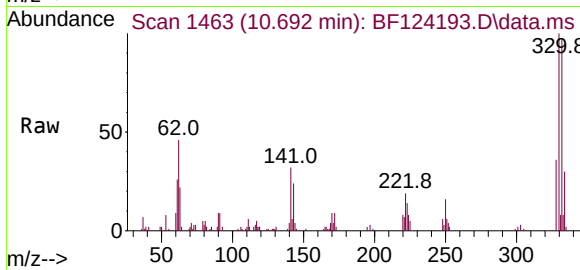




#42
2,4,6-Tribromophenol
Concen: 36.20 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

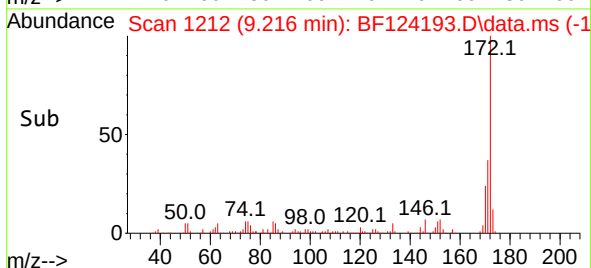
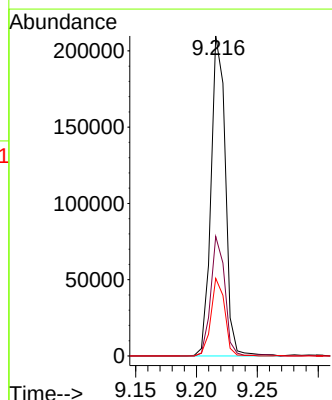
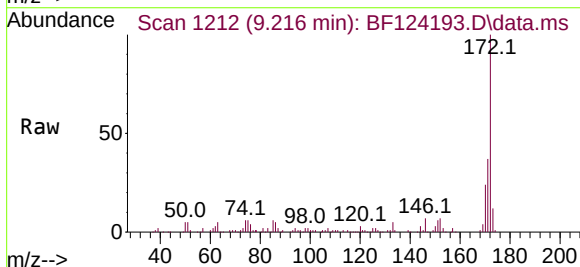
Instrument :
BNA_F
ClientSampleId :
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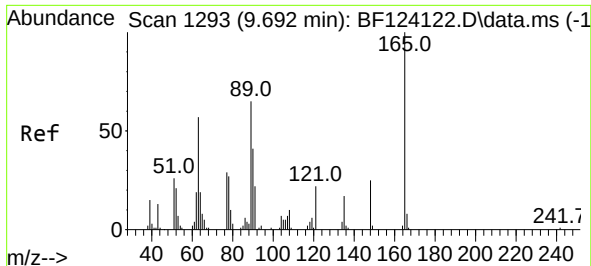
Tgt Ion:330 Resp: 30617
Ion Ratio Lower Upper
330 100
332 100.5 77.1 115.7
141 42.6 27.9 41.9#



#45
2-Fluorobiphenyl
Concen: 36.32 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

Tgt Ion:172 Resp: 172280
Ion Ratio Lower Upper
172 100
171 37.4 28.1 42.1
170 24.3 19.2 28.8

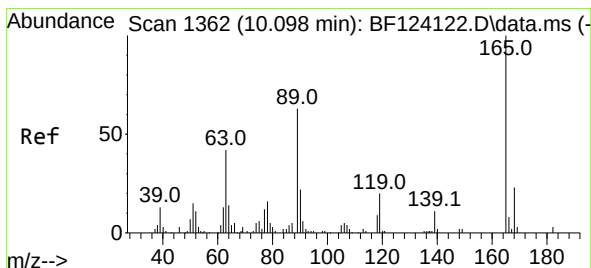
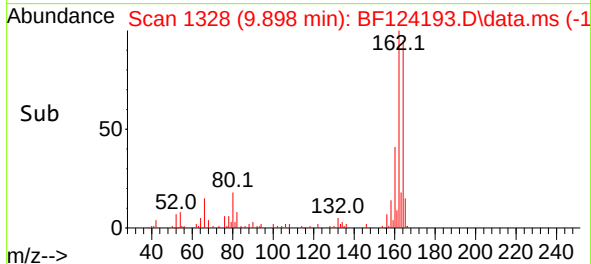
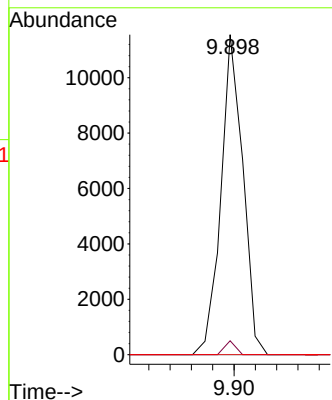
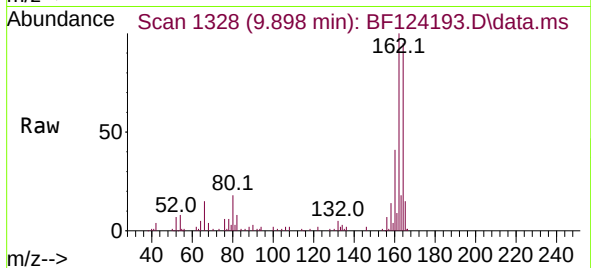




#51
2,6-Dinitrotoluene
Concen: 7.30 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

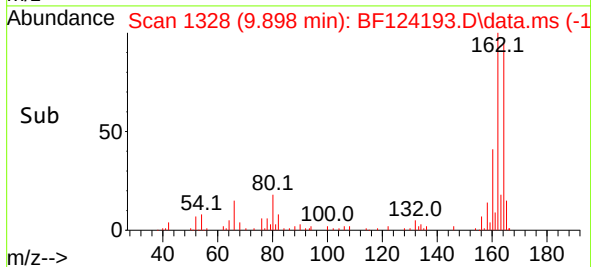
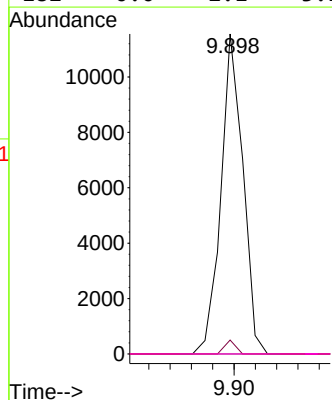
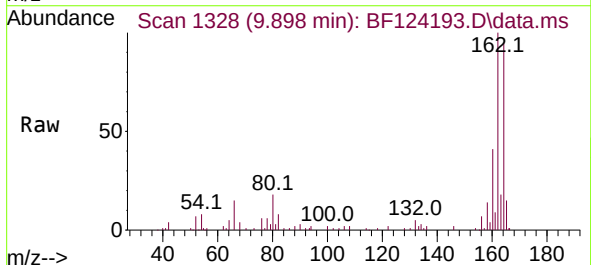
Instrument :
BNA_F
ClientSampled :
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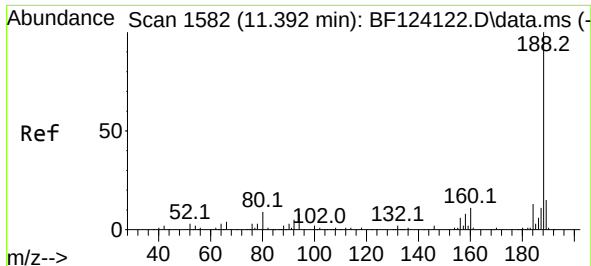
Tgt Ion:165 Resp: 8269
Ion Ratio Lower Upper
165 100
63 4.3 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.54 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

Tgt Ion:165 Resp: 8269
Ion Ratio Lower Upper
165 100
63 4.3 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

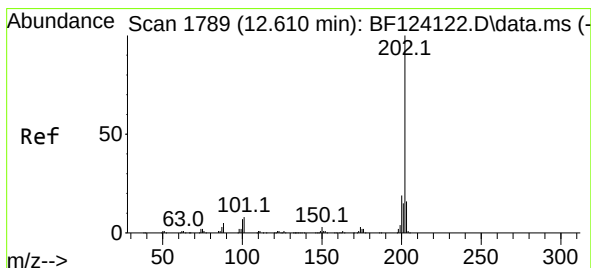
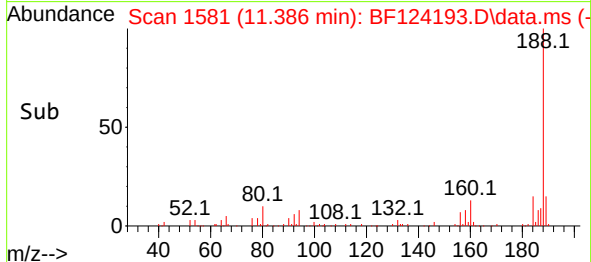
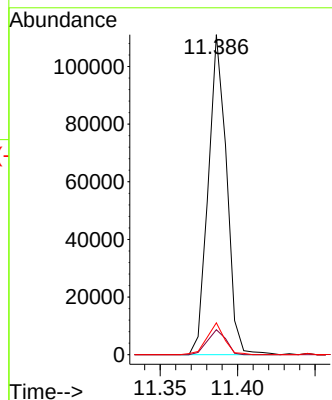
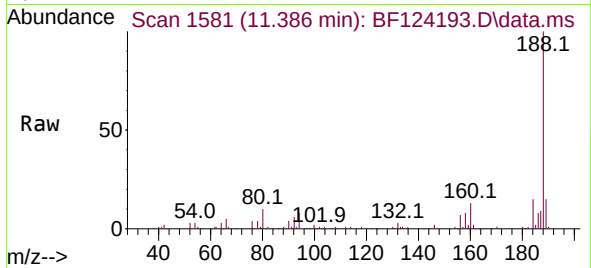




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

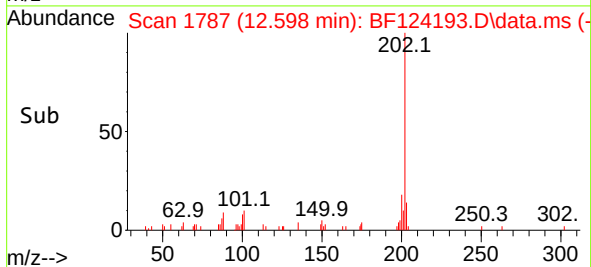
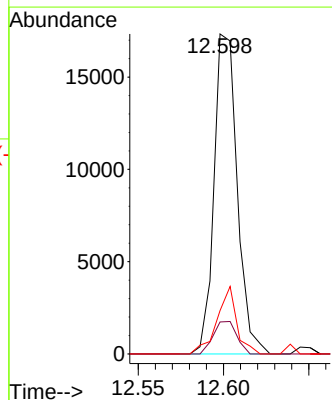
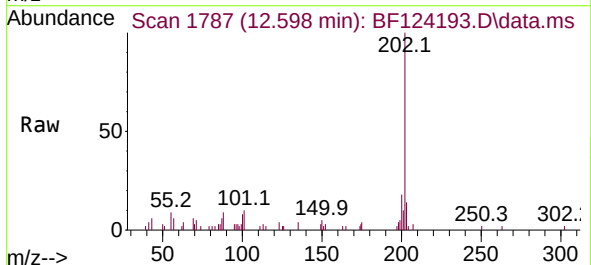
Instrument :
BNA_F
ClientSampleId :
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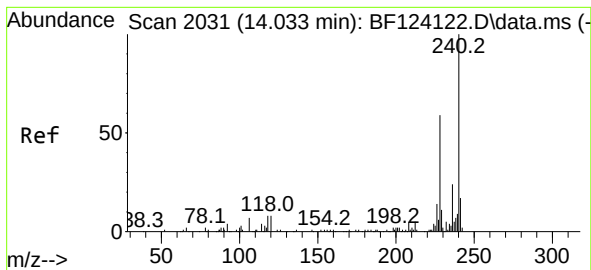
Tgt Ion:188 Resp: 91285
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 9.9 8.2 12.2



#75
Fluoranthene
Concen: 2.74 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

Tgt Ion:202 Resp: 16398
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.9
203 13.6 0.0 37.5

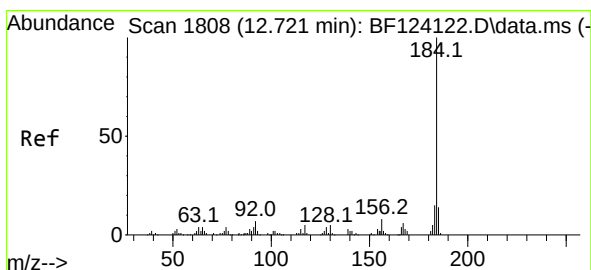
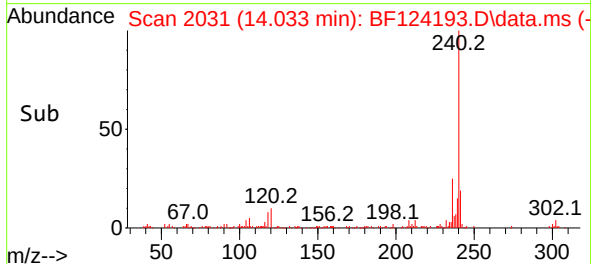
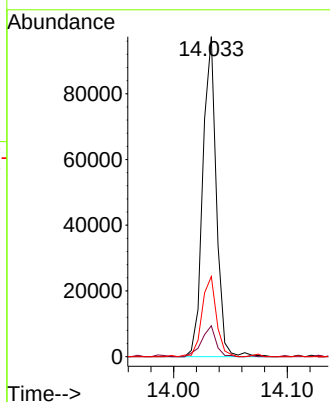
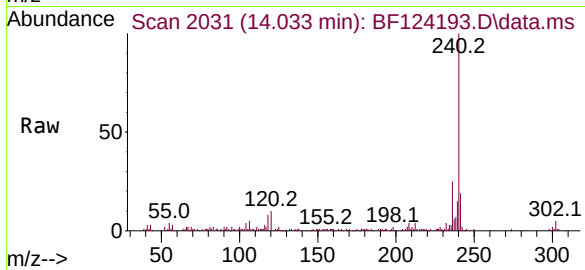




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

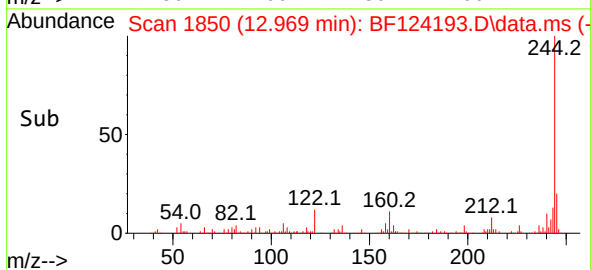
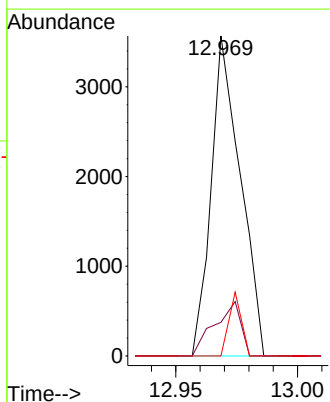
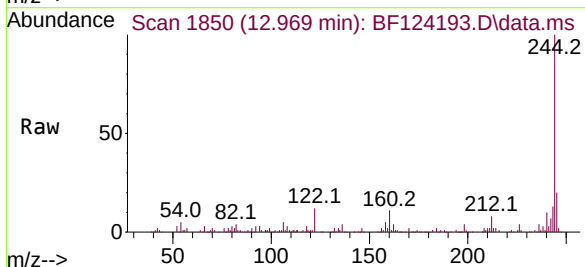
Instrument :
BNA_F
ClientSampleId :
17

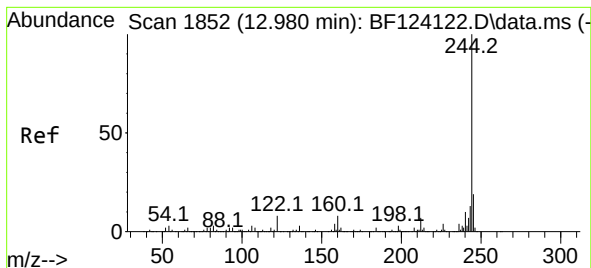
Tgt Ion:240 Resp: 80498
Ion Ratio Lower Upper
240 100
120 9.6 7.2 10.8
236 25.1 19.0 28.4



#77
Benzidine
Concen: 5.51 ng
RT: 12.969 min Scan# 1850
Delta R.T. 0.248 min
Lab File: BF124193.D
Acq: 8 Jun 2021 22:23

Tgt Ion:184 Resp: 2967
Ion Ratio Lower Upper
184 100
185 10.5 12.1 18.1#
183 0.0 7.8 11.8#





#79

Terphenyl-d14

Concen: 23.64 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF124193.D

Acq: 8 Jun 2021 22:23

Tgt Ion:244 Resp: 138629

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

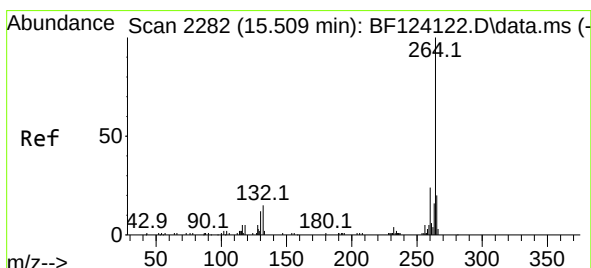
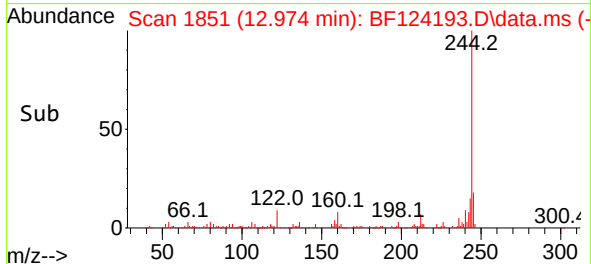
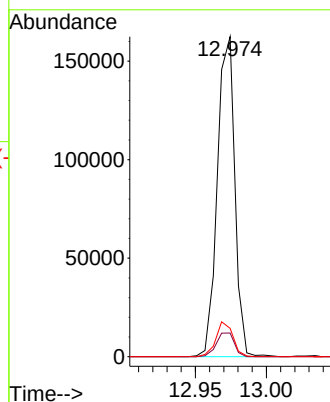
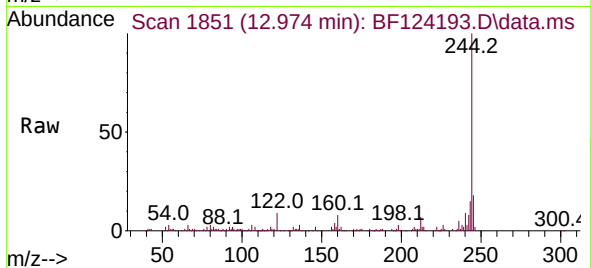
122 8.9 9.7 14.5#

Instrument :

BNA_F

ClientSampleId :

17



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.515 min Scan# 2283

Delta R.T. 0.006 min

Lab File: BF124193.D

Acq: 8 Jun 2021 22:23

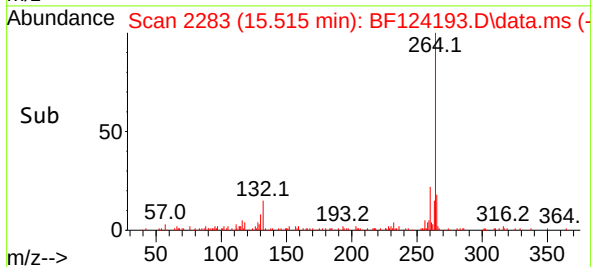
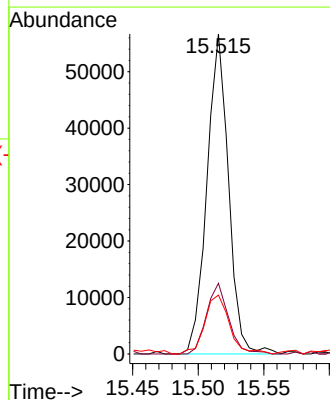
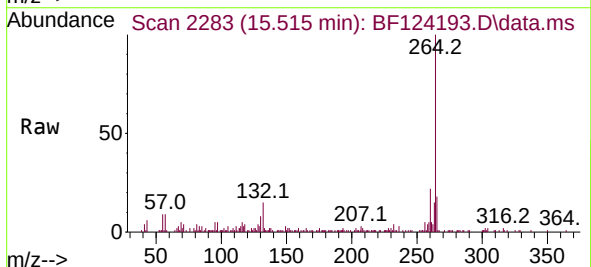
Tgt Ion:264 Resp: 64922

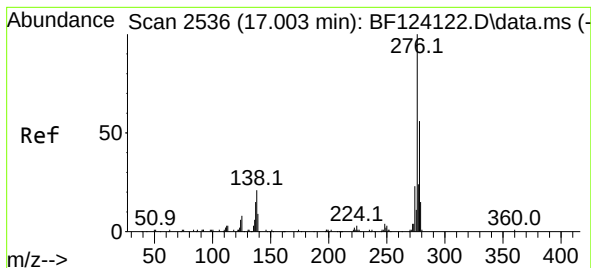
Ion Ratio Lower Upper

264 100

260 22.1 18.7 28.1

265 18.4 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.97 ng

RT: 17.004 min Scan# 2536

Delta R.T. 0.001 min

Lab File: BF124193.D

Acq: 8 Jun 2021 22:23

Tgt Ion:276 Resp: 3783

Ion Ratio Lower Upper

276 100

138 35.8 16.2 24.2#

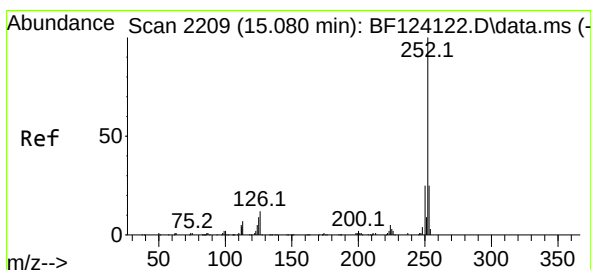
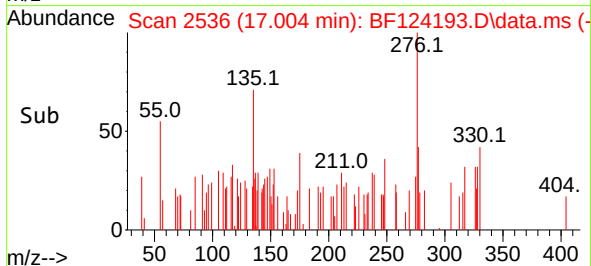
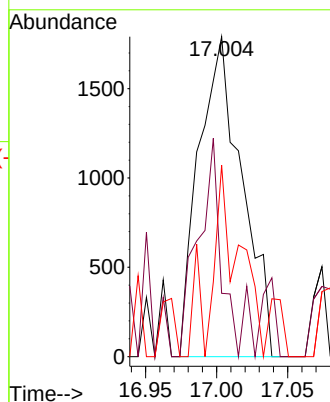
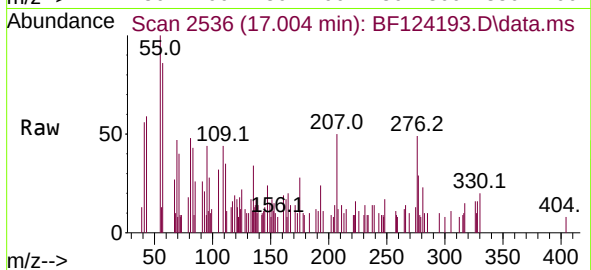
277 38.8 20.1 30.1#

Instrument :

BNA_F

ClientSampleId :

17



#88

Benzo(b)fluoranthene

Concen: 2.79 ng

RT: 15.080 min Scan# 2209

Delta R.T. 0.000 min

Lab File: BF124193.D

Acq: 8 Jun 2021 22:23

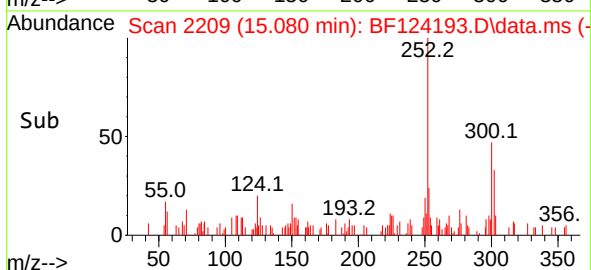
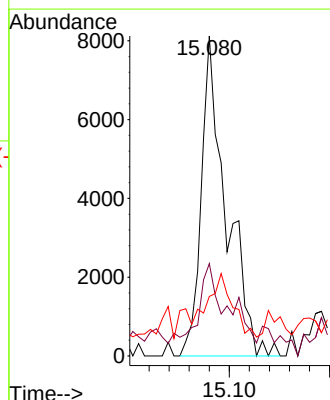
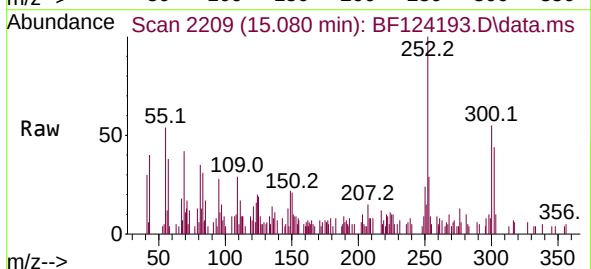
Tgt Ion:252 Resp: 14081

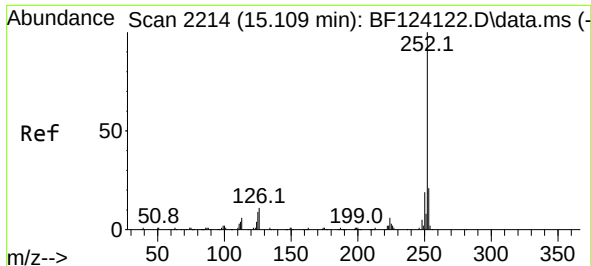
Ion Ratio Lower Upper

252 100

253 28.9 18.1 27.1#

125 18.6 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 2.95 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.029 min

Lab File: BF124193.D

Acq: 8 Jun 2021 22:23

Tgt Ion:252 Resp: 14081

Ion Ratio Lower Upper

252 100

253 28.9 17.9 26.9#

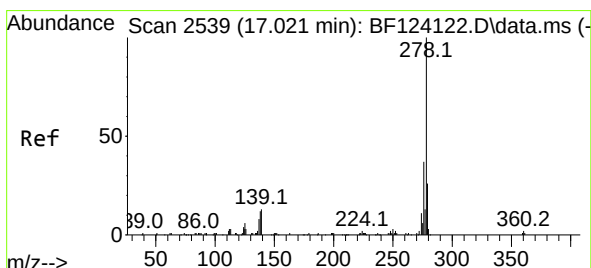
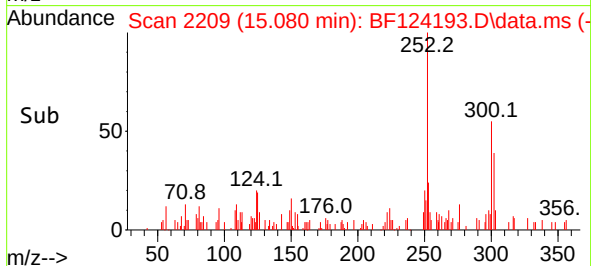
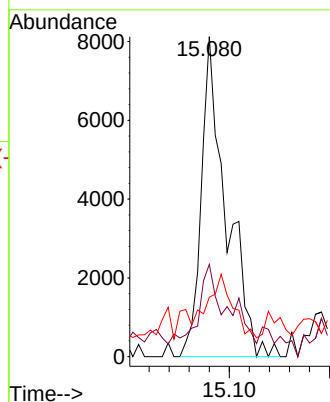
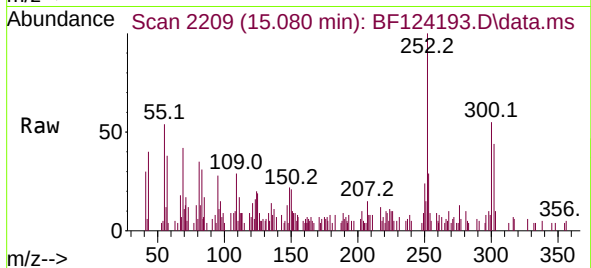
125 18.6 7.0 10.6#

Instrument :

BNA_F

ClientSampled :

17



#91

Dibenzo(a,h)anthracene

Concen: 4.45 ng

RT: 17.021 min Scan# 2539

Delta R.T. 0.000 min

Lab File: BF124193.D

Acq: 8 Jun 2021 22:23

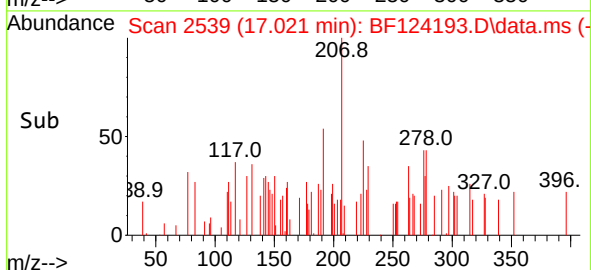
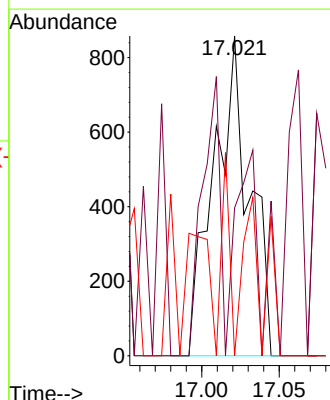
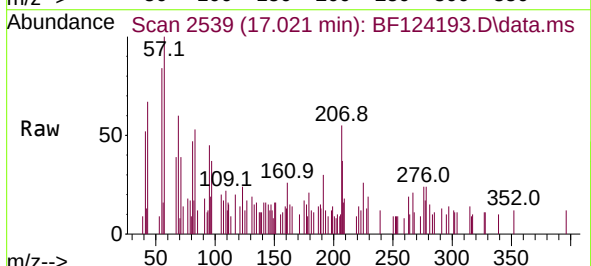
Tgt Ion:278 Resp: 1367

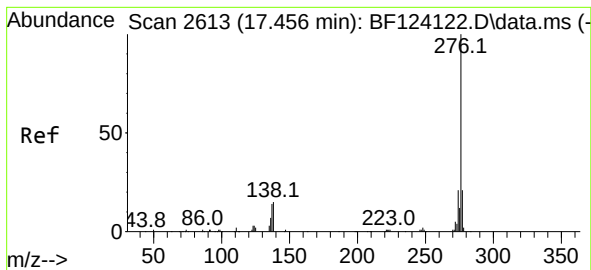
Ion Ratio Lower Upper

278 100

139 46.3 10.2 15.2#

279 0.0 19.4 29.0#





#92

Benzo(g,h,i)perylene

Concen: 4.64 ng

RT: 17.468 min Scan# 2615

Delta R.T. 0.012 min

Lab File: BF124193.D

Acq: 8 Jun 2021 22:23

Tgt Ion: 276 Resp: 4112

Ion Ratio Lower Upper

276 100

277 0.0 18.2 27.2#

138 19.9 13.8 20.6

