

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060721\
 Data File : BF124164.D
 Acq On : 7 Jun 2021 19:10
 Operator : JU/CG
 Sample : M2597-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124019

Quant Time: Jun 08 01:30:15 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)

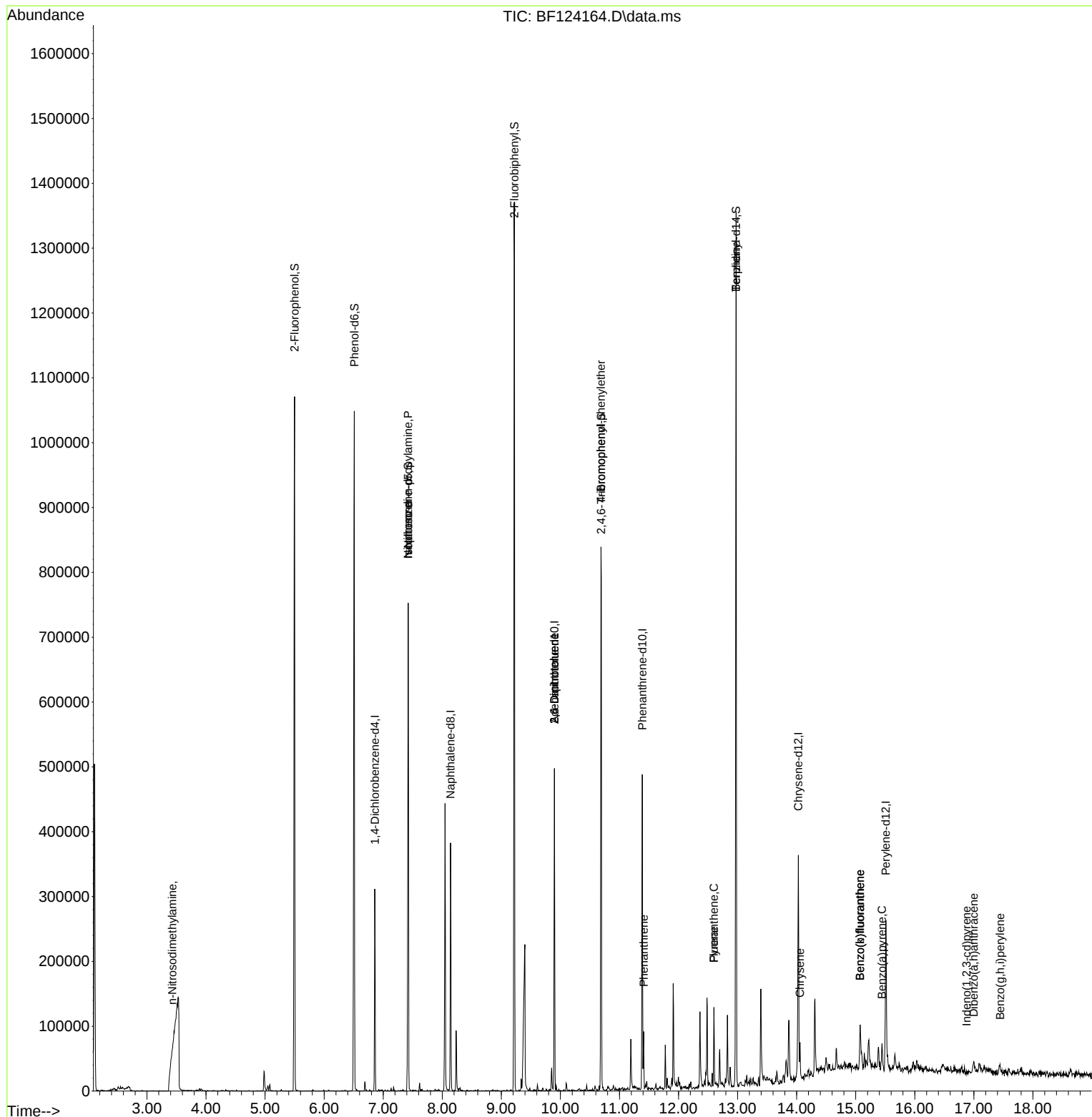
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	34329	20.00	ng	-0.01
21) Naphthalene-d8	8.140	136	144555	20.00	ng	-0.01
39) Acenaphthene-d10	9.898	164	81021	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	144302	20.00	ng	0.00
76) Chrysene-d12	14.027	240	93634	20.00	ng	0.00
86) Perylene-d12	15.510	264	92091	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	234439	102.80	ng	0.00
7) Phenol-d6	6.510	99	292399	95.39	ng	0.00
23) Nitrobenzene-d5	7.422	82	224694	61.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	89784	78.22	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	392491	60.96	ng	0.00
79) Terphenyl-d14	12.975	244	372649	54.64	ng	0.00
Target Compounds						
					Qvalue	
4) n-Nitrosodimethylamine	3.428	42	5538	3.65	ng	# 1
19) n-Nitroso-di-n-propyla...	7.422	70	31068	14.36	ng	# 71
25) Isophorone	7.422	82	224689	34.21	ng	# 69
51) 2,6-Dinitrotoluene	9.898	165	10725	6.98	ng	# 10
57) 2,4-Dinitrotoluene	9.898	165	10725	5.29	ng	# 15
67) 4-Bromophenyl-phenylether	10.686	248	6002	3.03	ng	# 1
71) Phenanthrene	11.410	178	27121	3.01	ng	# 93
75) Fluoranthene	12.598	202	39672	4.19	ng	98
77) Benzidine	12.975	184	7081	7.03	ng	# 87
78) Pyrene	12.598	202	39672	4.41	ng	95
83) Chrysene	14.057	228	20760	3.15	ng	91
87) Indeno(1,2,3-cd)pyrene	16.874	276	533	4.40	ng	94
88) Benzo(b)fluoranthene	15.074	252	36071	5.04	ng	# 91
89) Benzo(k)fluoranthene	15.074	252	36071	5.33	ng	# 92
90) Benzo(a)pyrene	15.445	252	15701	2.53	ng	94
91) Dibenzo(a,h)anthracene	16.998	278	3294	4.63	ng	# 88
92) Benzo(g,h,i)perylene	17.445	276	8439	5.01	ng	# 76

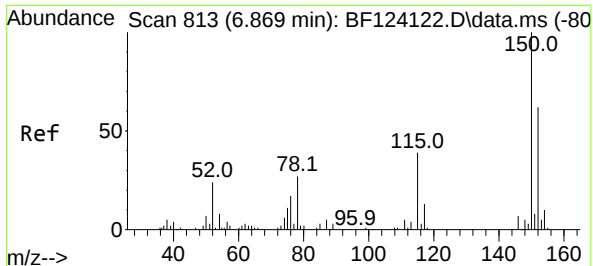
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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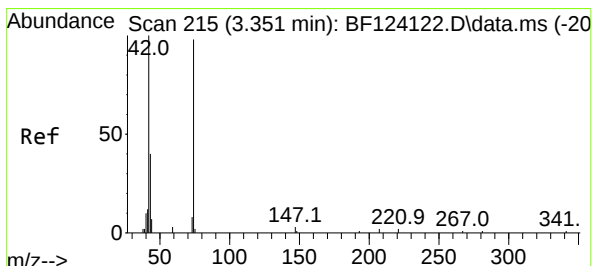
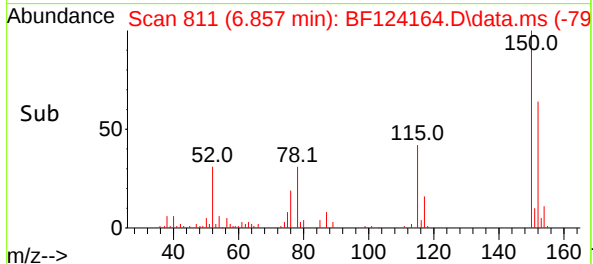
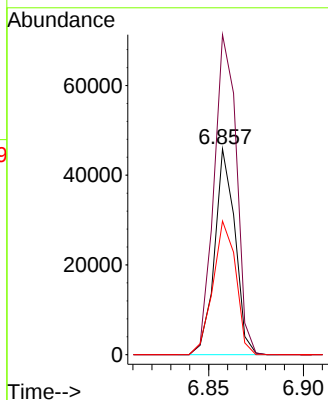
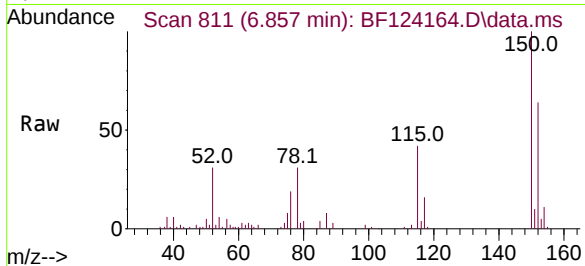




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

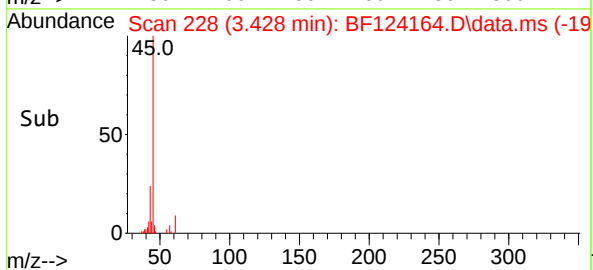
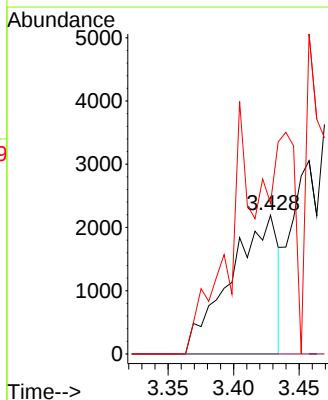
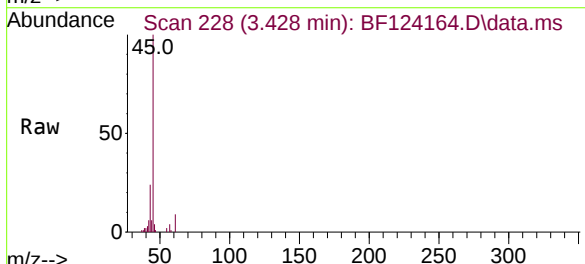
Instrument :
BNA_F
ClientSampleId :
124019

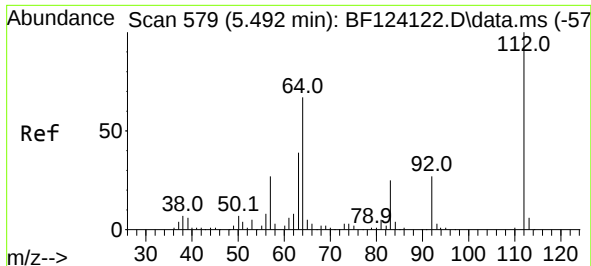
Tgt Ion:152 Resp: 34329
Ion Ratio Lower Upper
152 100
150 155.5 127.0 190.6
115 64.9 54.3 81.5



#4
n-Nitrosodimethylamine
Concen: 3.65 ng
RT: 3.428 min Scan# 228
Delta R.T. 0.077 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

Tgt Ion: 42 Resp: 5538
Ion Ratio Lower Upper
42 100
74 0.0 83.5 125.3#
44 108.7 5.7 8.5#

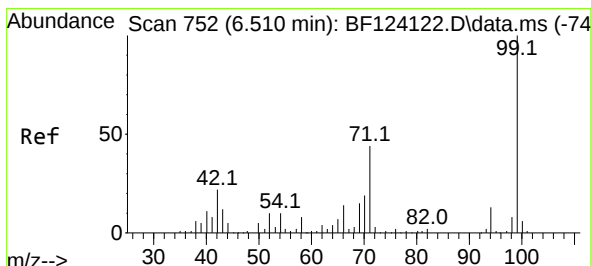
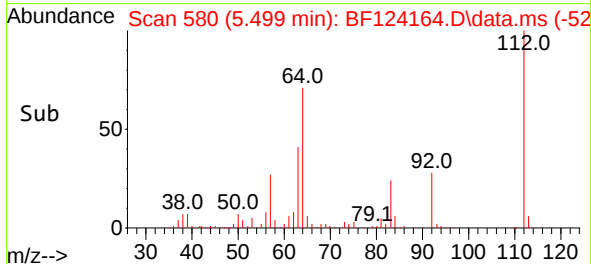
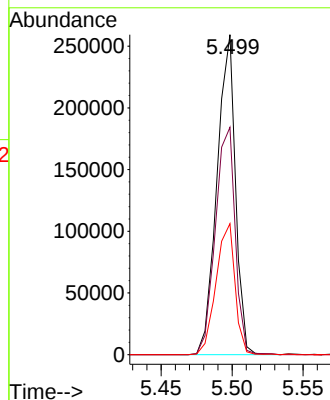
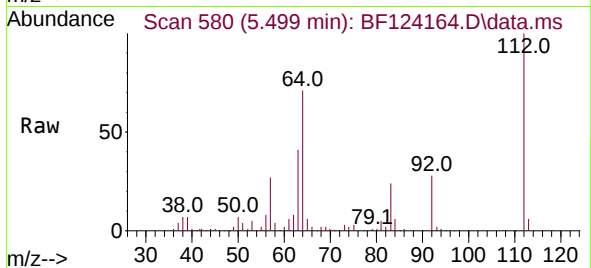




#5
2-Fluorophenol
Concen: 102.80 ng
RT: 5.499 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

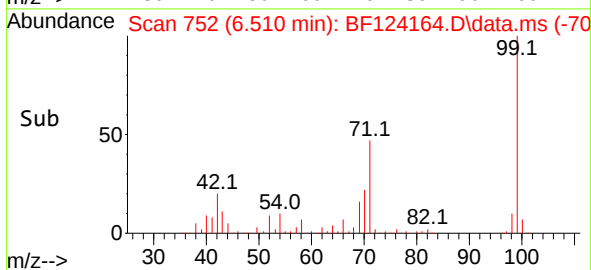
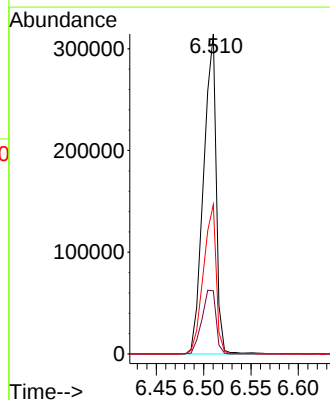
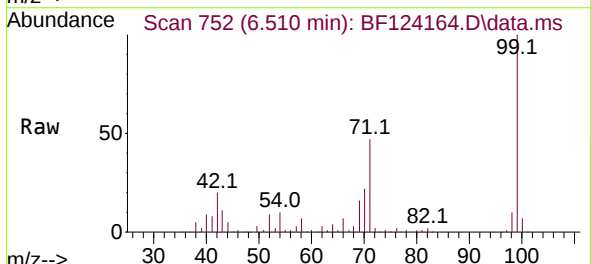
Instrument :
BNA_F
ClientSampleId :
124019

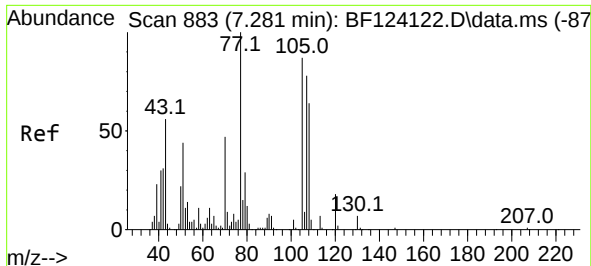
Tgt Ion:112 Resp: 234439
Ion Ratio Lower Upper
112 100
64 71.1 61.4 92.0
63 41.0 33.0 49.4



#7
Phenol-d6
Concen: 95.39 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

Tgt Ion: 99 Resp: 292399
Ion Ratio Lower Upper
99 100
42 19.8 19.8 29.8#
71 46.7 31.1 46.7

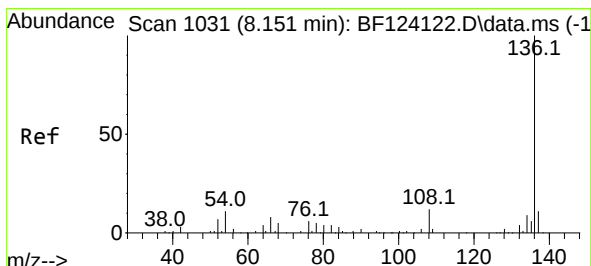
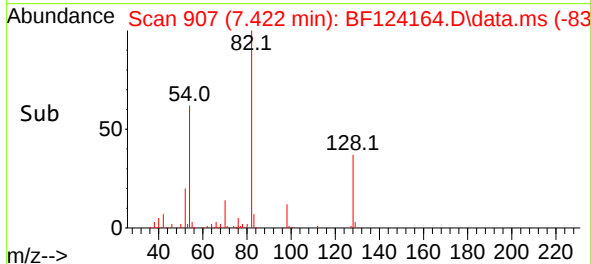
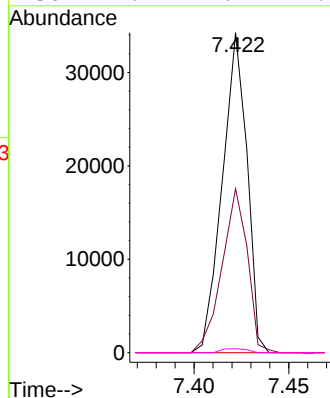
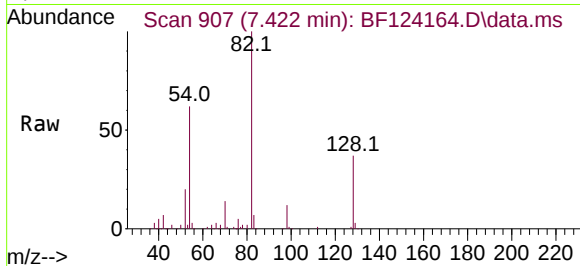




#19
n-Nitroso-di-n-propylamine
Concen: 14.36 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

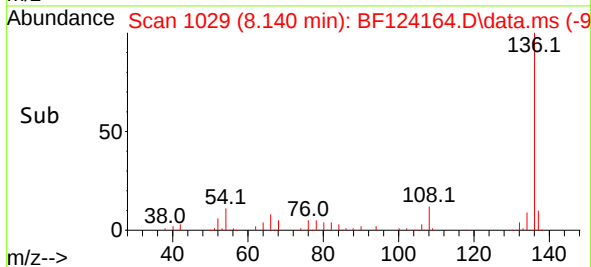
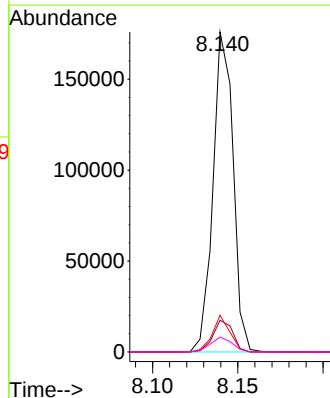
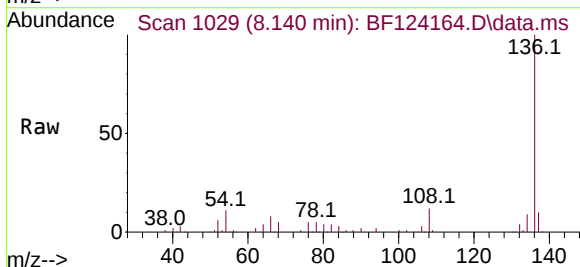
Instrument :
BNA_F
ClientSampled :
124019

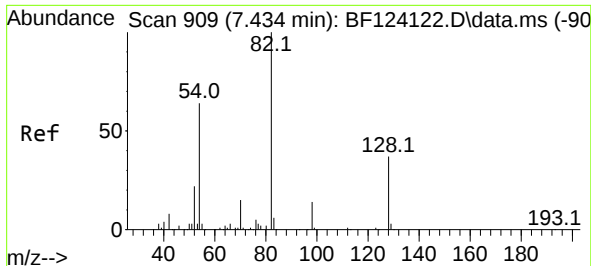
Tgt Ion: 70 Resp: 31068
Ion Ratio Lower Upper
70 100
42 51.3 60.1 90.1#
101 0.0 7.4 11.2#
130 1.2 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.140 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

Tgt Ion: 136 Resp: 144555
Ion Ratio Lower Upper
136 100
137 9.9 8.7 13.1
54 11.4 9.8 14.6
68 4.6 4.1 6.1





#23

Nitrobenzene-d5

Concen: 61.65 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF124164.D

Acq: 7 Jun 2021 19:10

Instrument :

BNA_F

ClientSampleId :

124019

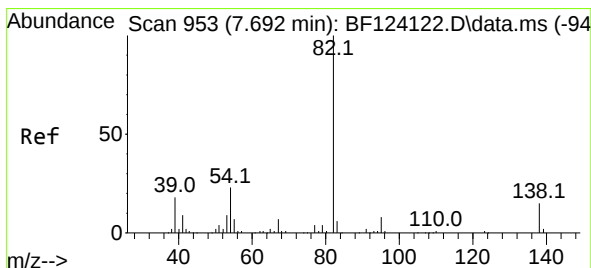
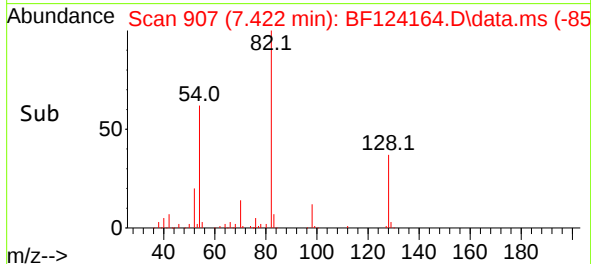
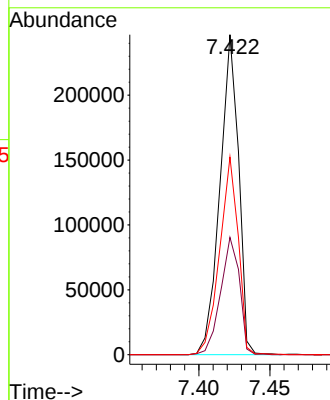
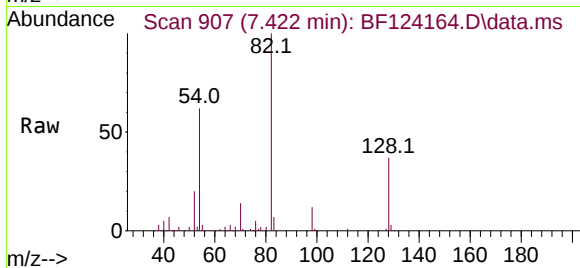
Tgt Ion: 82 Resp: 224694

Ion Ratio Lower Upper

82 100

128 36.7 29.4 44.2

54 61.7 54.1 81.1



#25

Isophorone

Concen: 34.21 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.270 min

Lab File: BF124164.D

Acq: 7 Jun 2021 19:10

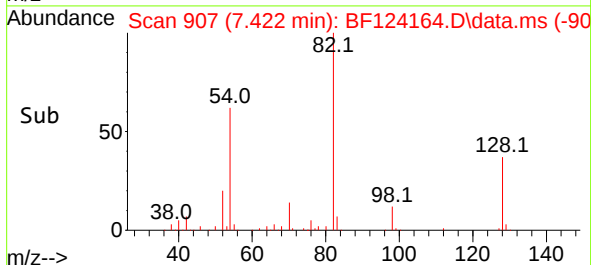
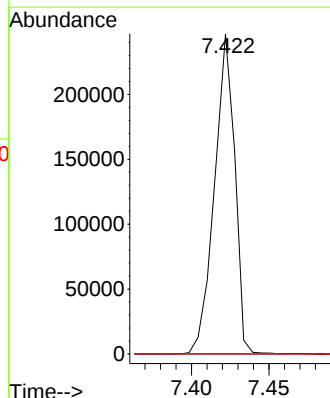
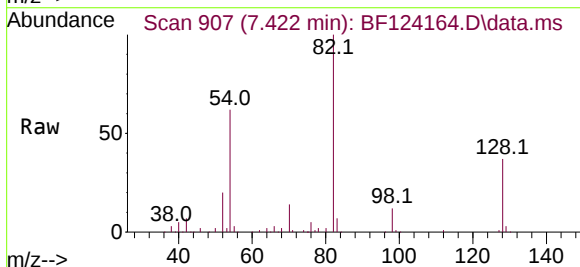
Tgt Ion: 82 Resp: 224689

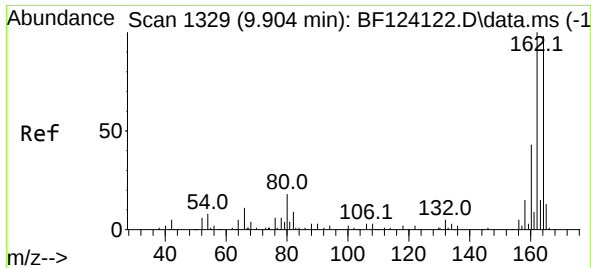
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.8 17.8#

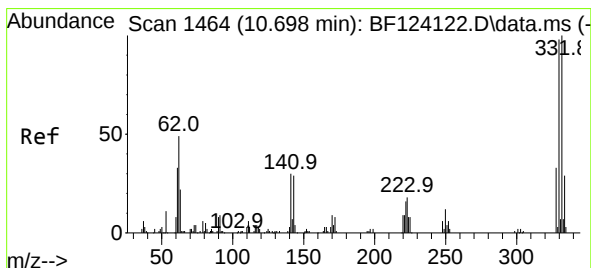
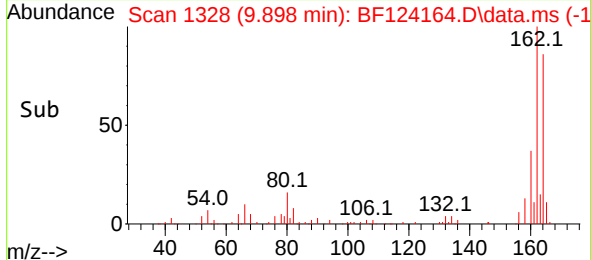
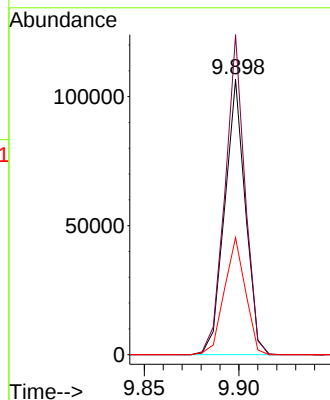
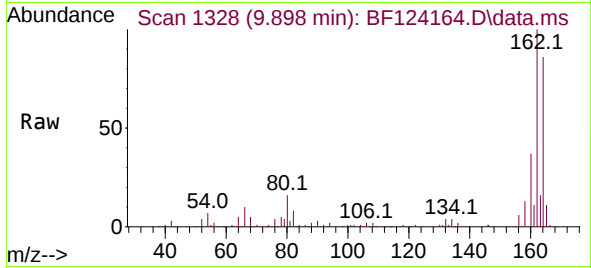




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

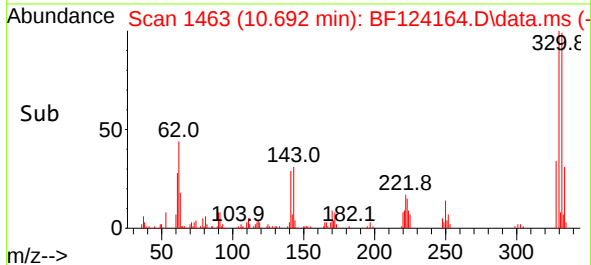
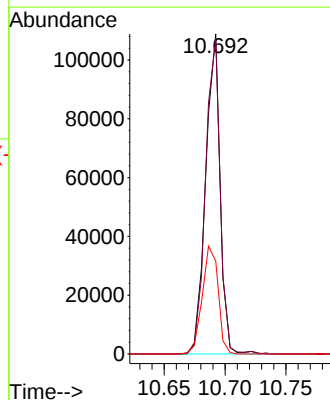
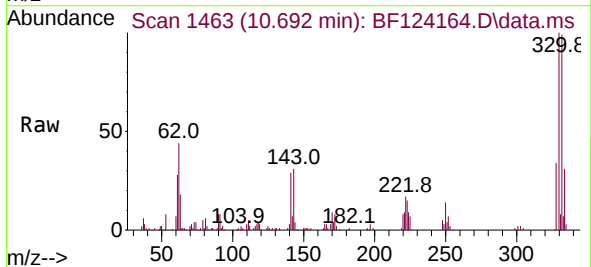
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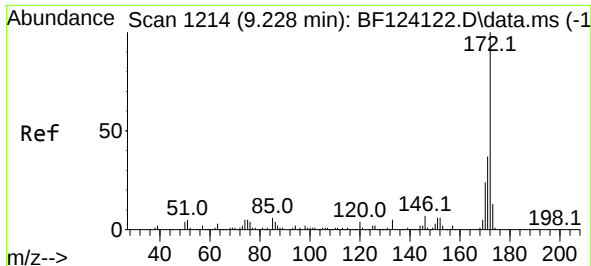
Tgt Ion:164 Resp: 81021
Ion Ratio Lower Upper
164 100
162 116.2 80.7 121.1
160 42.5 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 78.22 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

Tgt Ion:330 Resp: 89784
Ion Ratio Lower Upper
330 100
332 99.6 77.1 115.7
141 37.1 27.9 41.9

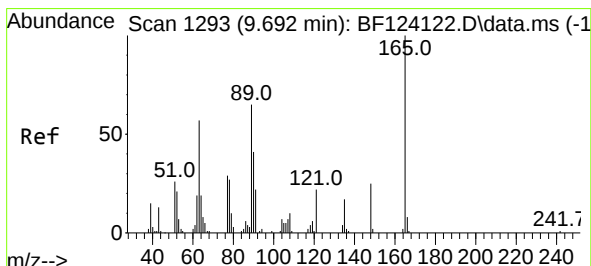
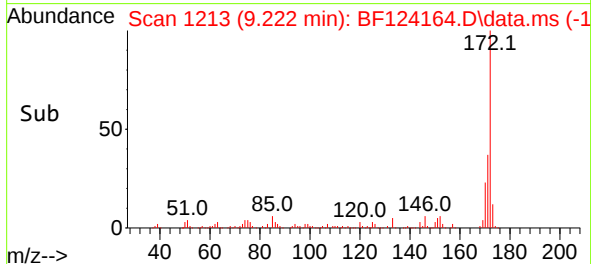
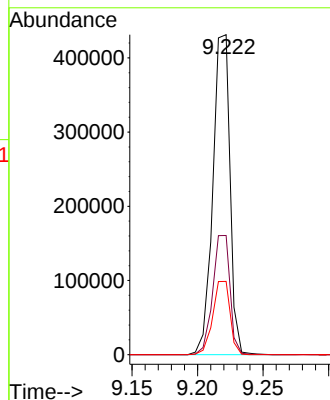
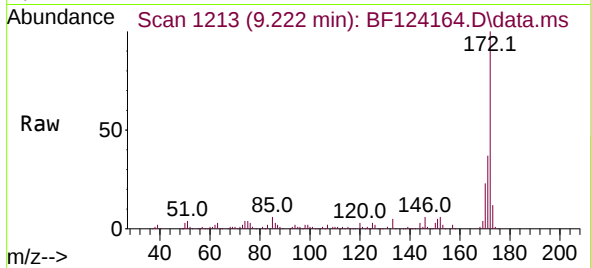




#45
2-Fluorobiphenyl
Concen: 60.96 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

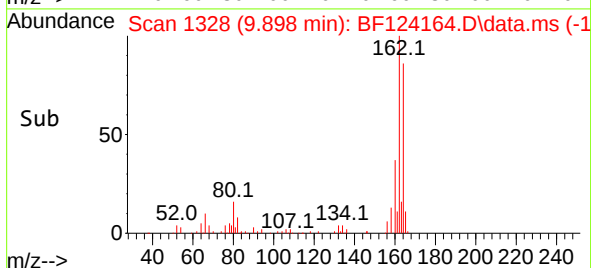
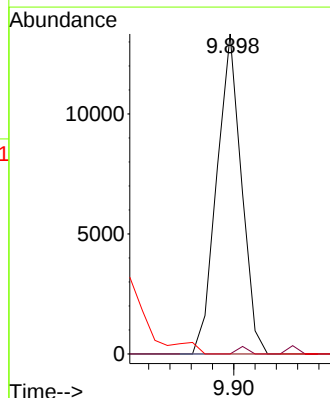
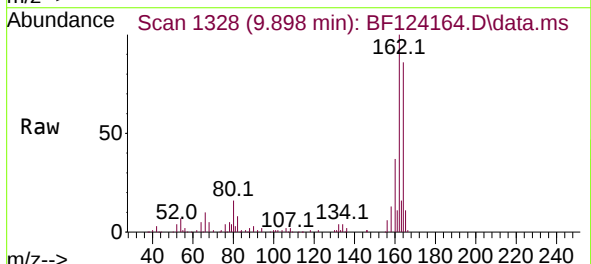
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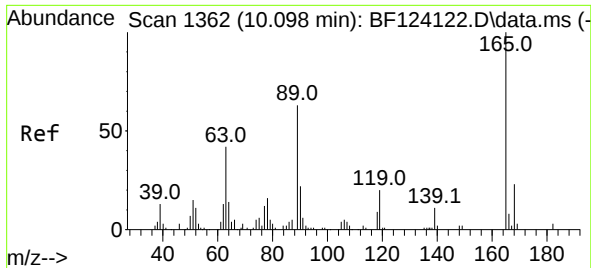
Tgt Ion:172 Resp: 392491
Ion Ratio Lower Upper
172 100
171 37.2 28.1 42.1
170 22.9 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 6.98 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

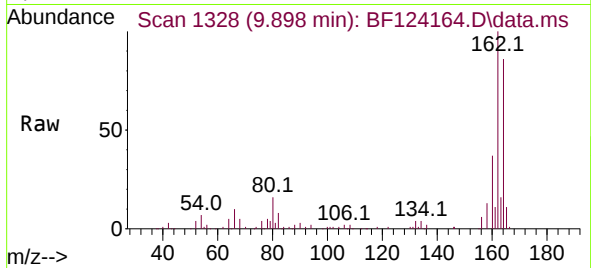
Tgt Ion:165 Resp: 10725
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



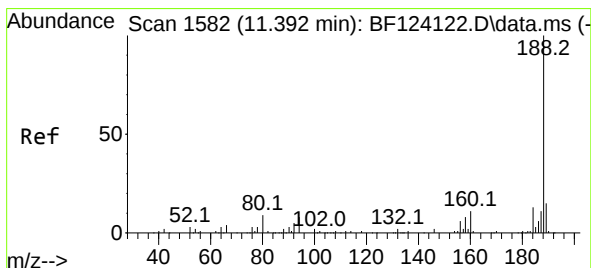
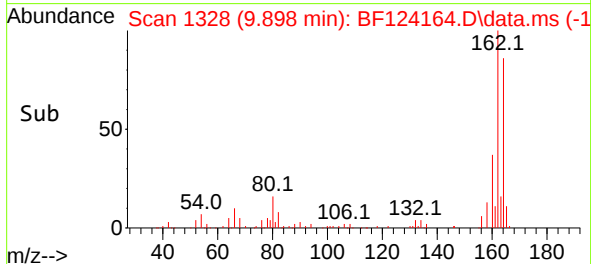
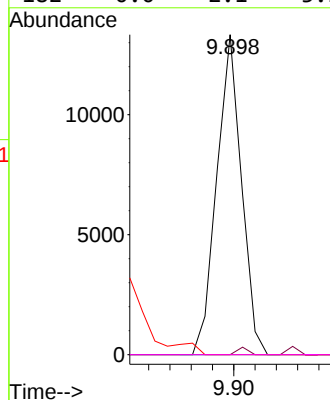


#57
2,4-Dinitrotoluene
Concen: 5.29 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

Instrument :
BNA_F
ClientSampled :
124019

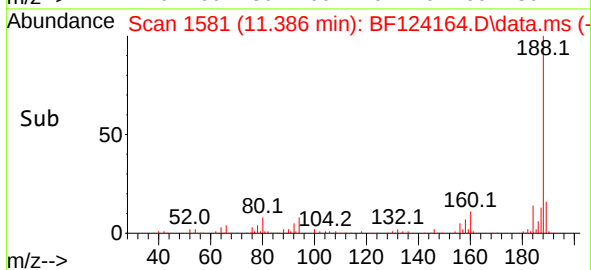
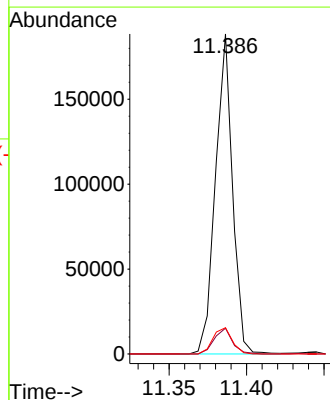
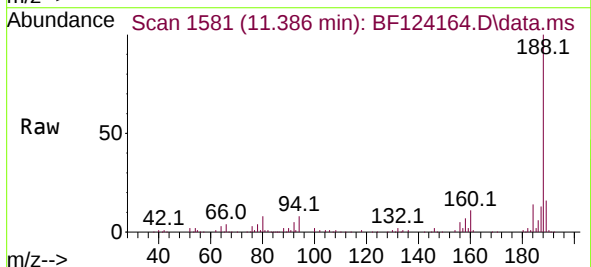


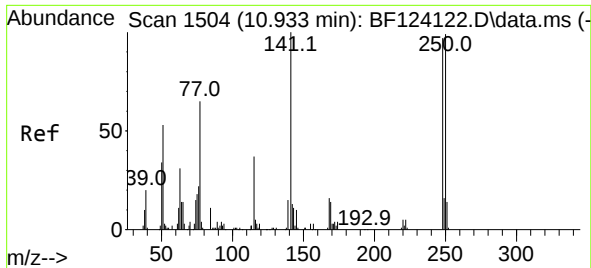
Tgt Ion:165 Resp: 10725
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

Tgt Ion:188 Resp: 144302
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 8.2 8.2 12.2

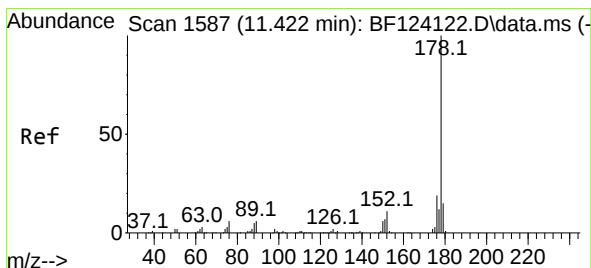
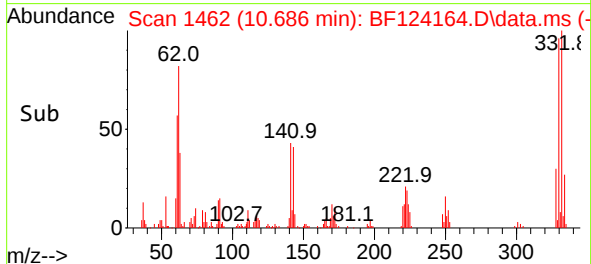
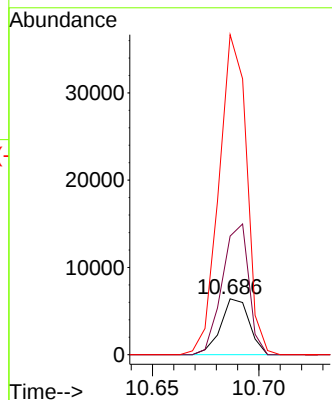
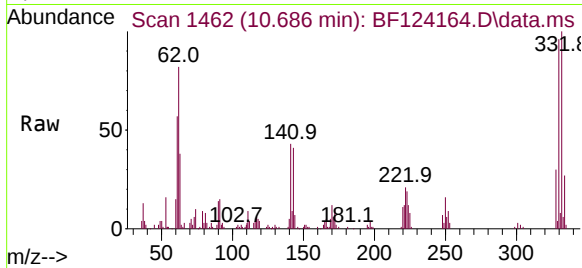




#67
4-Bromophenyl-phenylether
Concen: 3.03 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

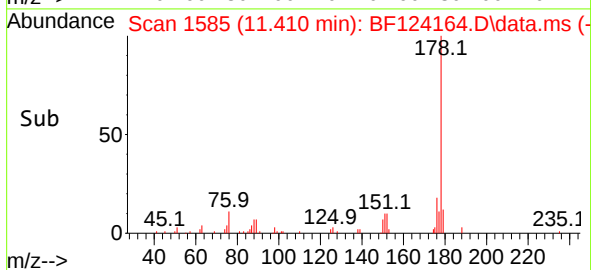
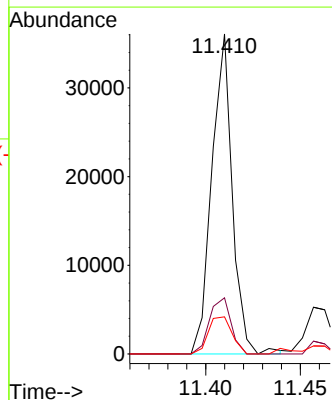
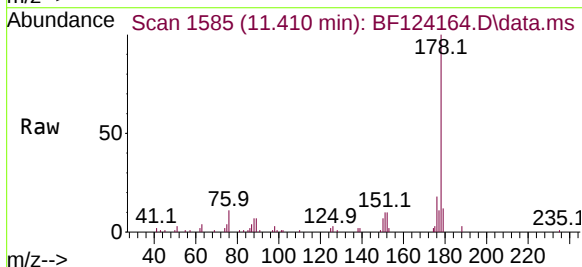
Instrument :
BNA_F
ClientSampleId :
124019

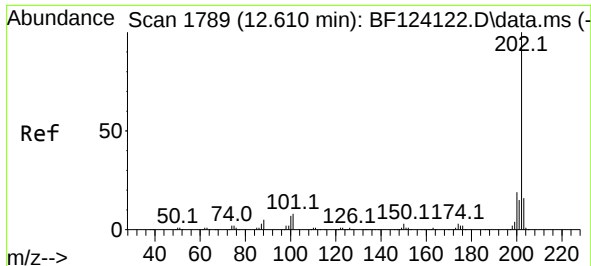
Tgt Ion:248 Resp: 6002
Ion Ratio Lower Upper
248 100
250 212.2 77.4 116.2#
141 572.7 63.7 95.5#



#71
Phenanthrene
Concen: 3.01 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

Tgt Ion:178 Resp: 27121
Ion Ratio Lower Upper
178 100
176 17.6 15.6 23.4
179 11.6 12.5 18.7#

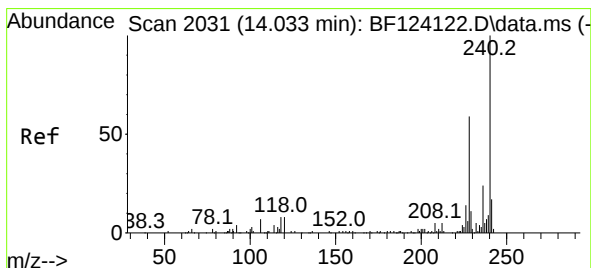
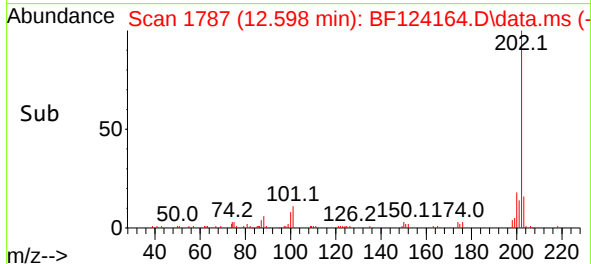
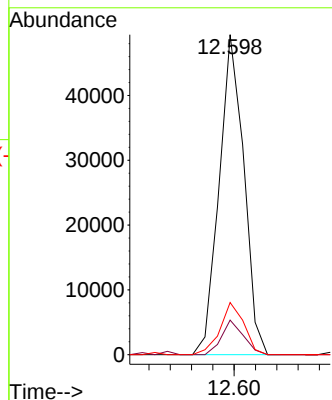
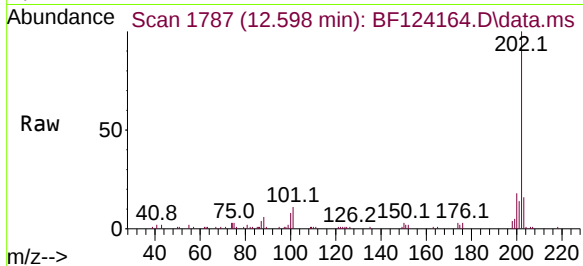




#75
Fluoranthene
Concen: 4.19 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

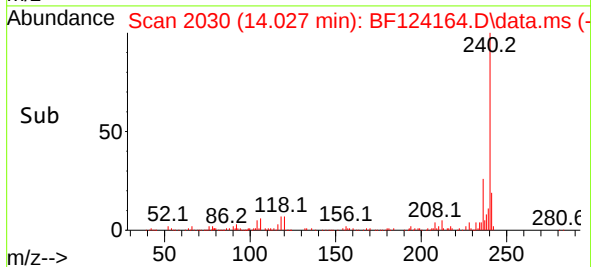
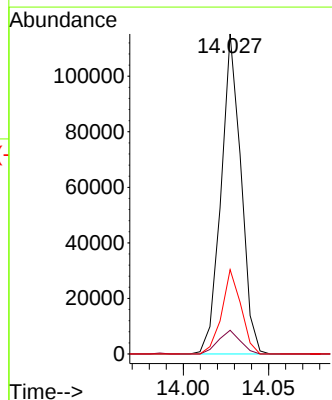
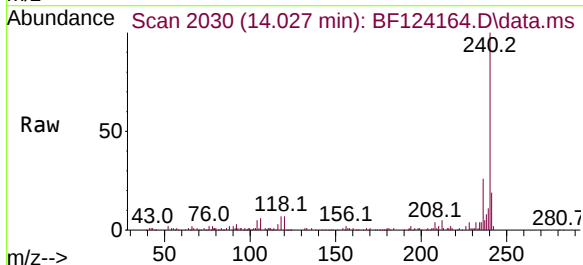
Instrument :
BNA_F
ClientSampled :
124019

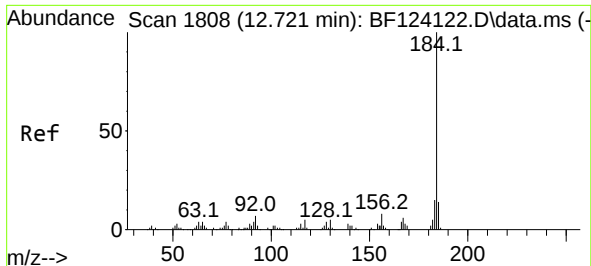
Tgt Ion:202	Resp:	39672
Ion Ratio	Lower	Upper
202	100	
101	10.8	0.0 30.9
203	16.3	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

Tgt Ion:240	Resp:	93634
Ion Ratio	Lower	Upper
240	100	
120	7.4	7.2 10.8
236	26.4	19.0 28.4

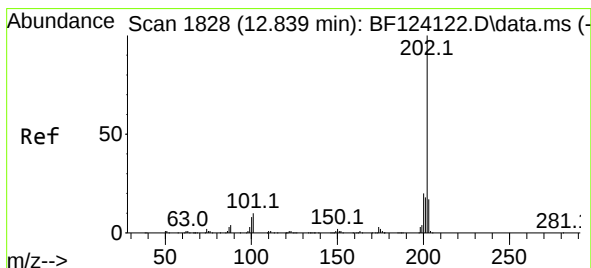
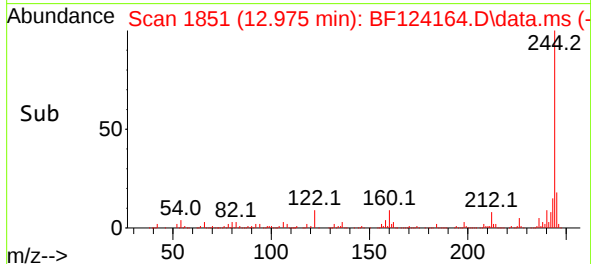
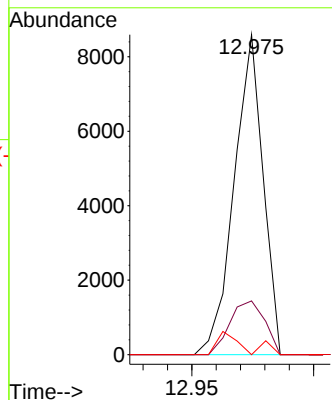
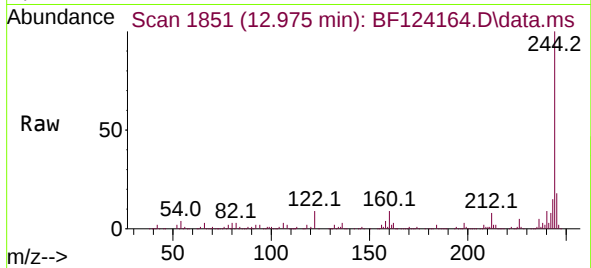




#77
Benzidine
Concen: 7.03 ng
RT: 12.975 min Scan# 1851
Delta R.T. 0.254 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

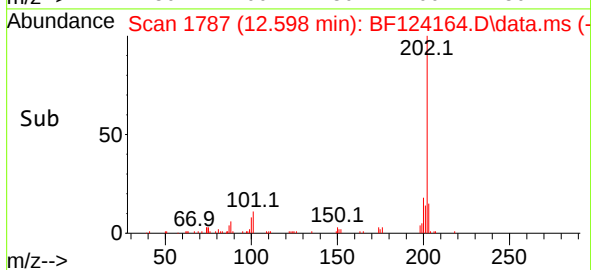
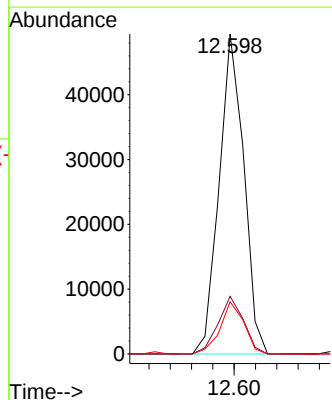
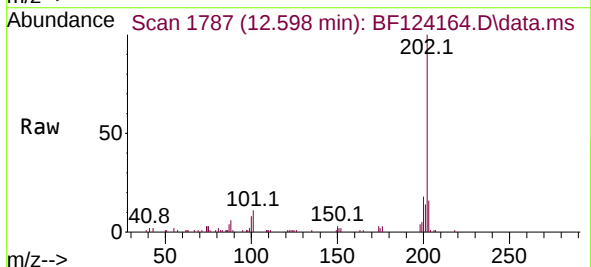
Instrument :
BNA_F
ClientSampled :
124019

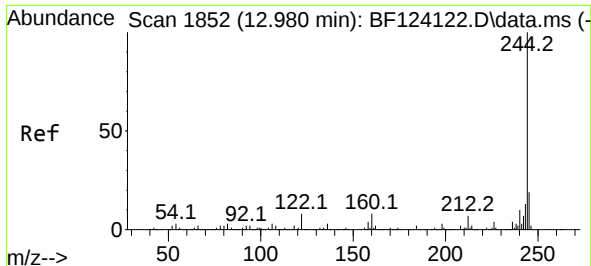
Tgt Ion:184 Resp: 7081
Ion Ratio Lower Upper
184 100
185 16.8 12.1 18.1
183 0.0 7.8 11.8#



#78
Pyrene
Concen: 4.41 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.241 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

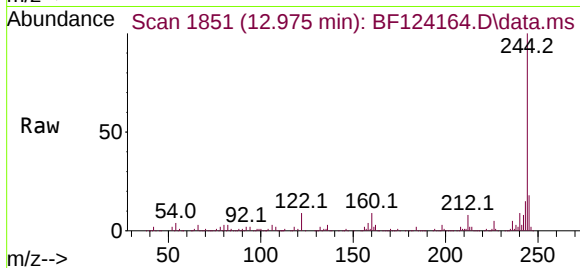
Tgt Ion:202 Resp: 39672
Ion Ratio Lower Upper
202 100
200 18.0 16.1 24.1
203 16.3 14.8 22.2



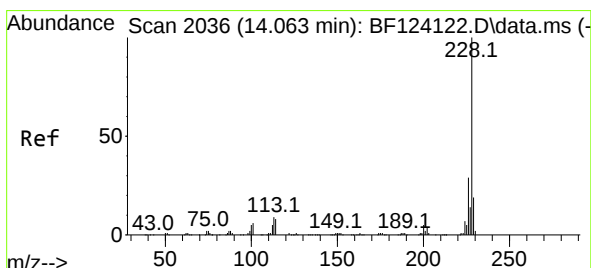
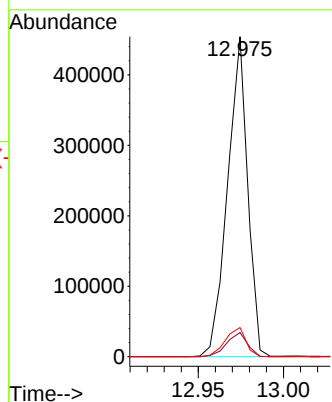
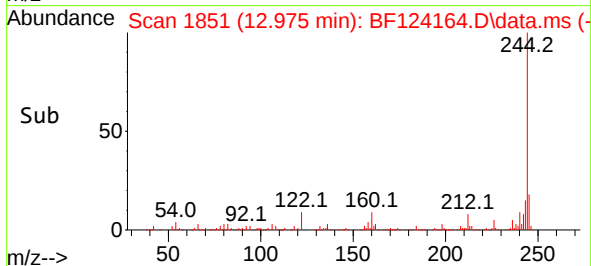


#79
 Terphenyl-d14
 Concen: 54.64 ng
 RT: 12.975 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF124164.D
 Acq: 7 Jun 2021 19:10

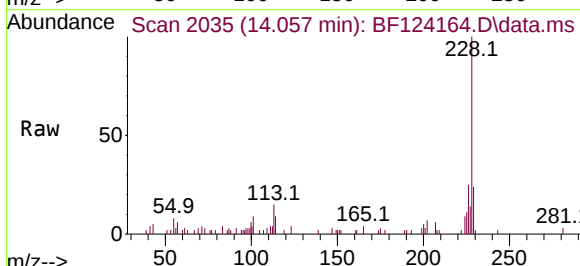
Instrument :
 BNA_F
 ClientSampled :
 124019



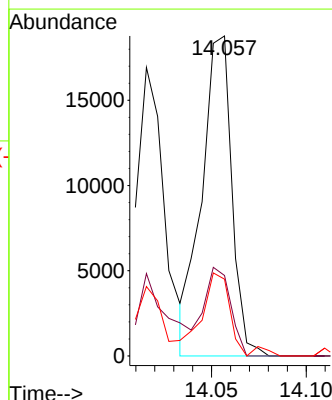
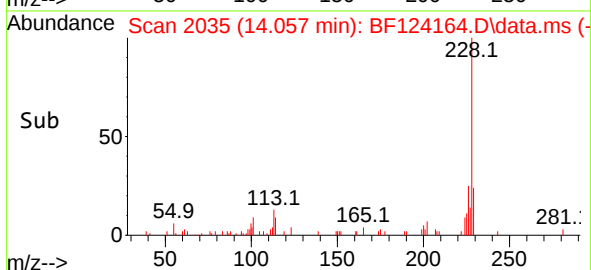
Tgt Ion:244 Resp: 372649
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 9.1 9.7 14.5#

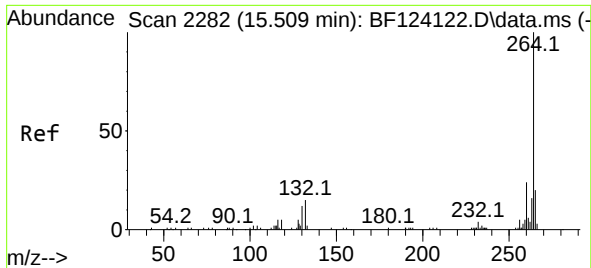


#83
 Chrysene
 Concen: 3.15 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. -0.006 min
 Lab File: BF124164.D
 Acq: 7 Jun 2021 19:10



Tgt Ion:228 Resp: 20760
 Ion Ratio Lower Upper
 228 100
 226 25.1 24.3 36.5
 229 24.0 16.2 24.2

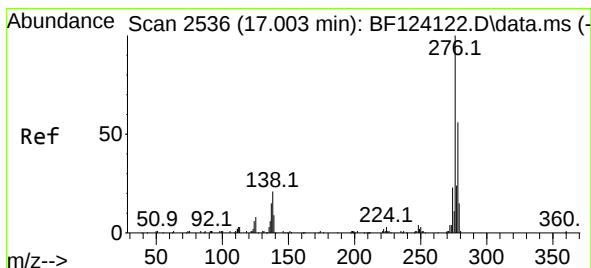
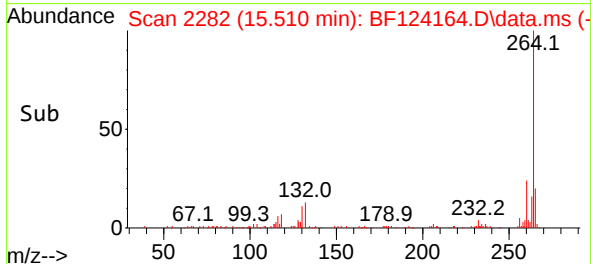
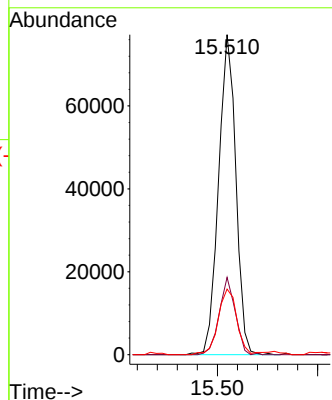
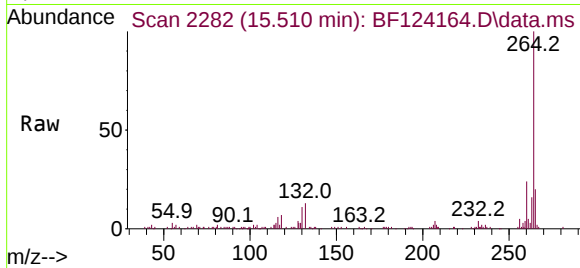




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.510 min Scan# 2282
Delta R.T. 0.001 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

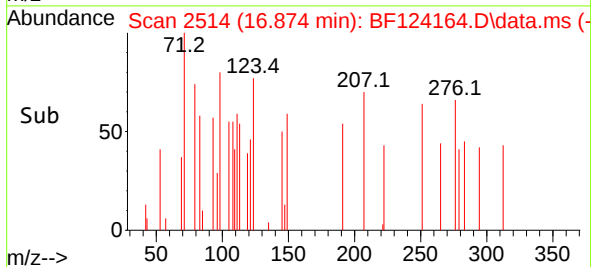
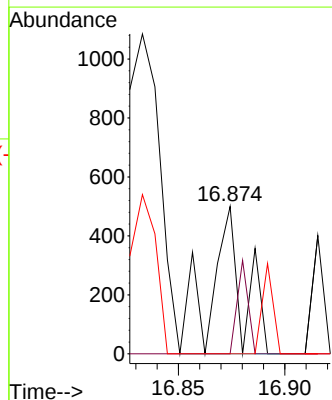
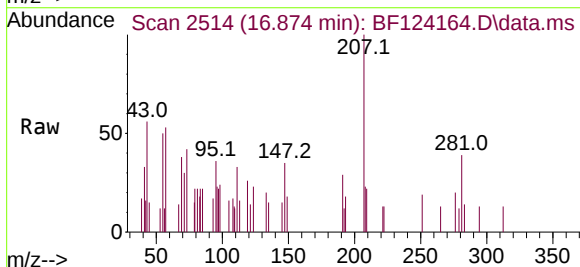
Instrument :
BNA_F
ClientSampled :
124019

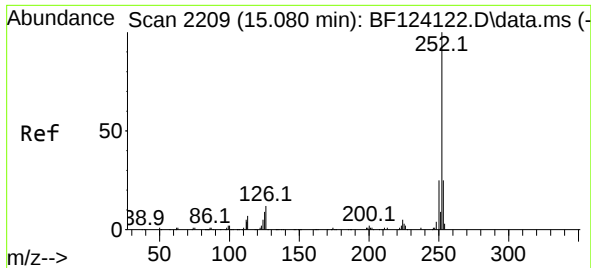
Tgt Ion:264	Resp:	92091
Ion Ratio	Lower	Upper
264	100	
260	24.2	18.7 28.1
265	20.5	17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.40 ng
RT: 16.874 min Scan# 2514
Delta R.T. -0.129 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

Tgt Ion:276	Resp:	533
Ion Ratio	Lower	Upper
276	100	
138	21.0	16.2 24.2
277	20.3	20.1 30.1

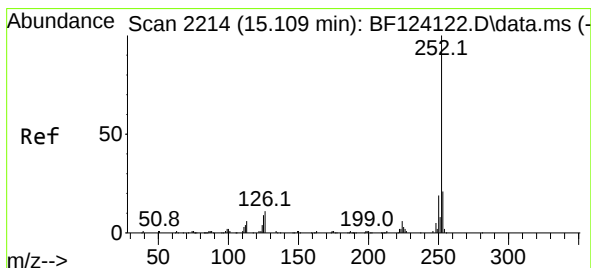
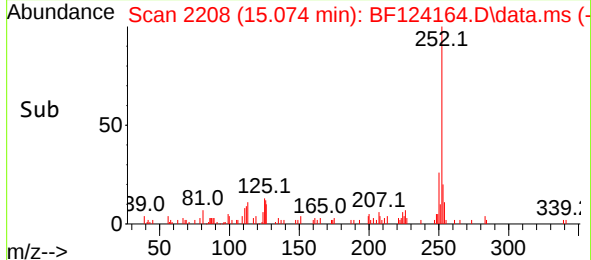
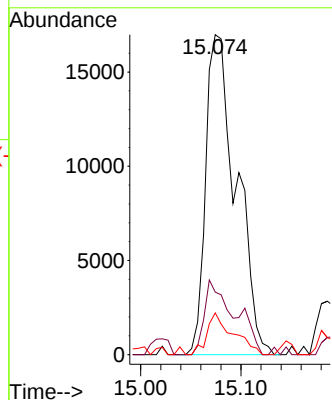
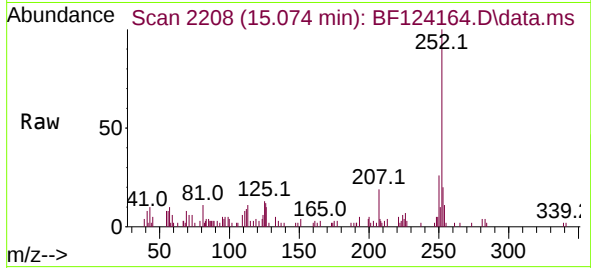




#88
Benzo(b)fluoranthene
Concen: 5.04 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

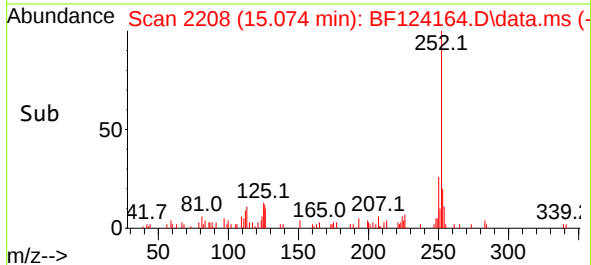
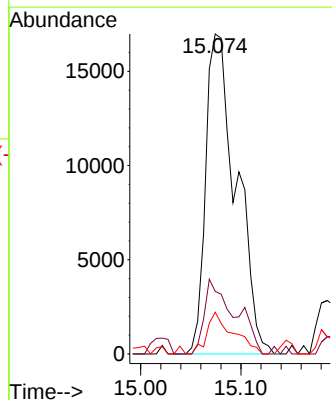
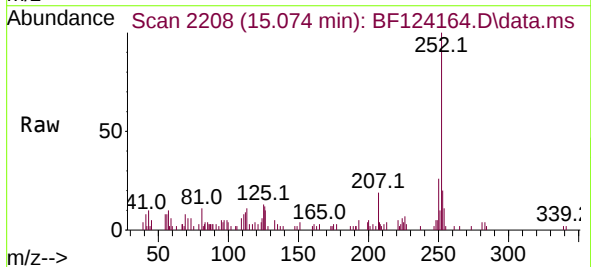
Instrument :
BNA_F
ClientSampleId :
124019

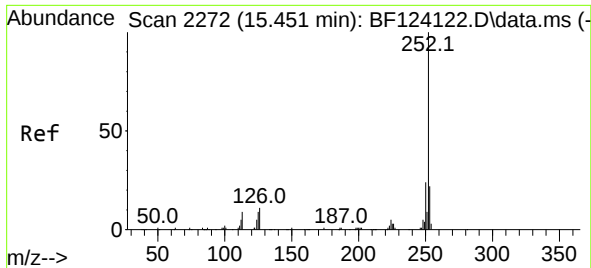
Tgt Ion:252 Resp: 36071
Ion Ratio Lower Upper
252 100
253 19.6 18.1 27.1
125 13.0 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 5.33 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.035 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

Tgt Ion:252 Resp: 36071
Ion Ratio Lower Upper
252 100
253 19.6 17.9 26.9
125 13.0 7.0 10.6#

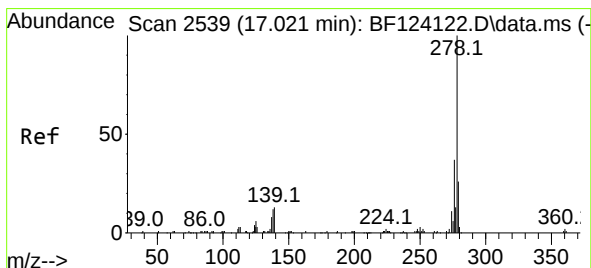
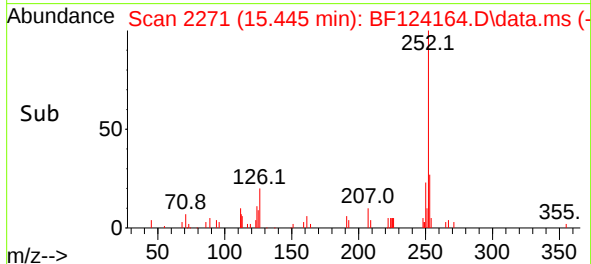
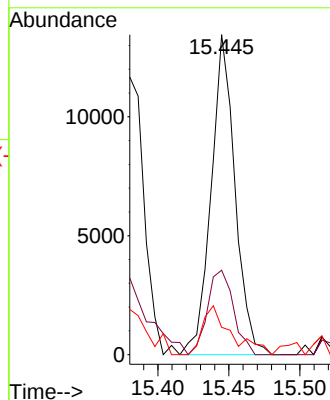
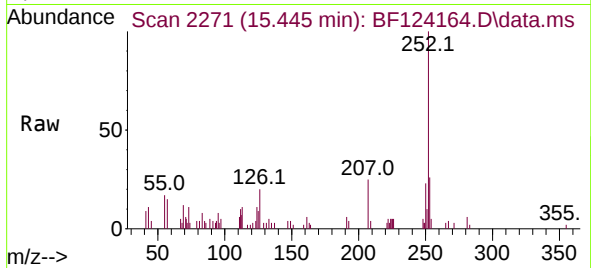




#90
Benzo(a)pyrene
Concen: 2.53 ng
RT: 15.445 min Scan# 2271
Delta R.T. -0.006 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

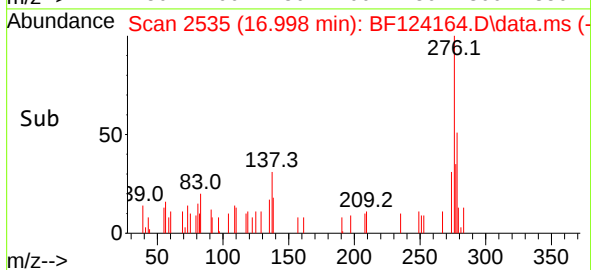
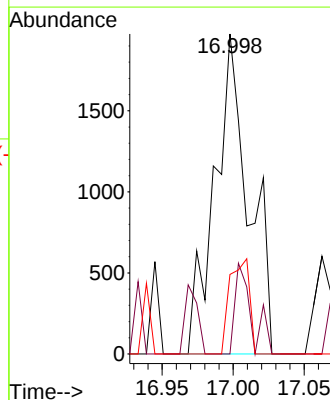
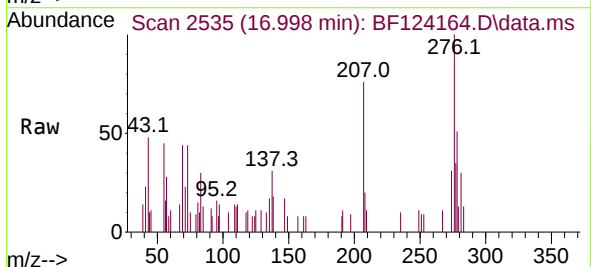
Instrument :
BNA_F
ClientSampled :
124019

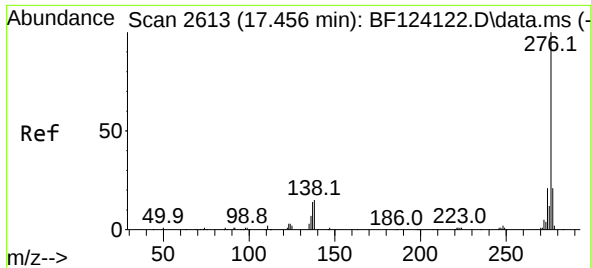
Tgt Ion:252	Resp:	15701
Ion Ratio	Lower	Upper
252	100	
253	26.4	18.4 27.6
125	8.6	8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 4.63 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.023 min
Lab File: BF124164.D
Acq: 7 Jun 2021 19:10

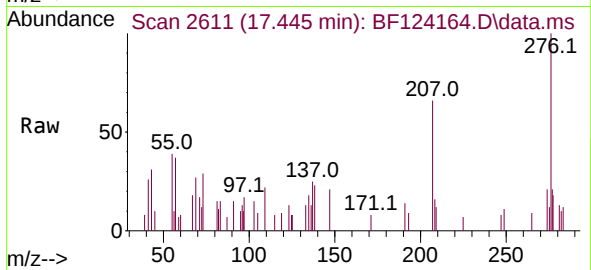
Tgt Ion:278	Resp:	3294
Ion Ratio	Lower	Upper
278	100	
139	0.0	10.2 15.2#
279	24.9	19.4 29.0





#92
 Benzo(g,h,i)perylene
 Concen: 5.01 ng
 RT: 17.445 min Scan# 2611
 Delta R.T. -0.011 min
 Lab File: BF124164.D
 Acq: 7 Jun 2021 19:10

Instrument :
 BNA_F
 ClientSampleId :
 124019



Tgt Ion:276 Resp: 8439
 Ion Ratio Lower Upper
 276 100
 277 38.5 18.2 27.2#
 138 22.9 13.8 20.6#

