

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052421\
 Data File : BF124041.D
 Acq On : 24 May 2021 17:10
 Operator : JU/CG
 Sample : M2490-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11986

Quant Time: May 24 17:38:47 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

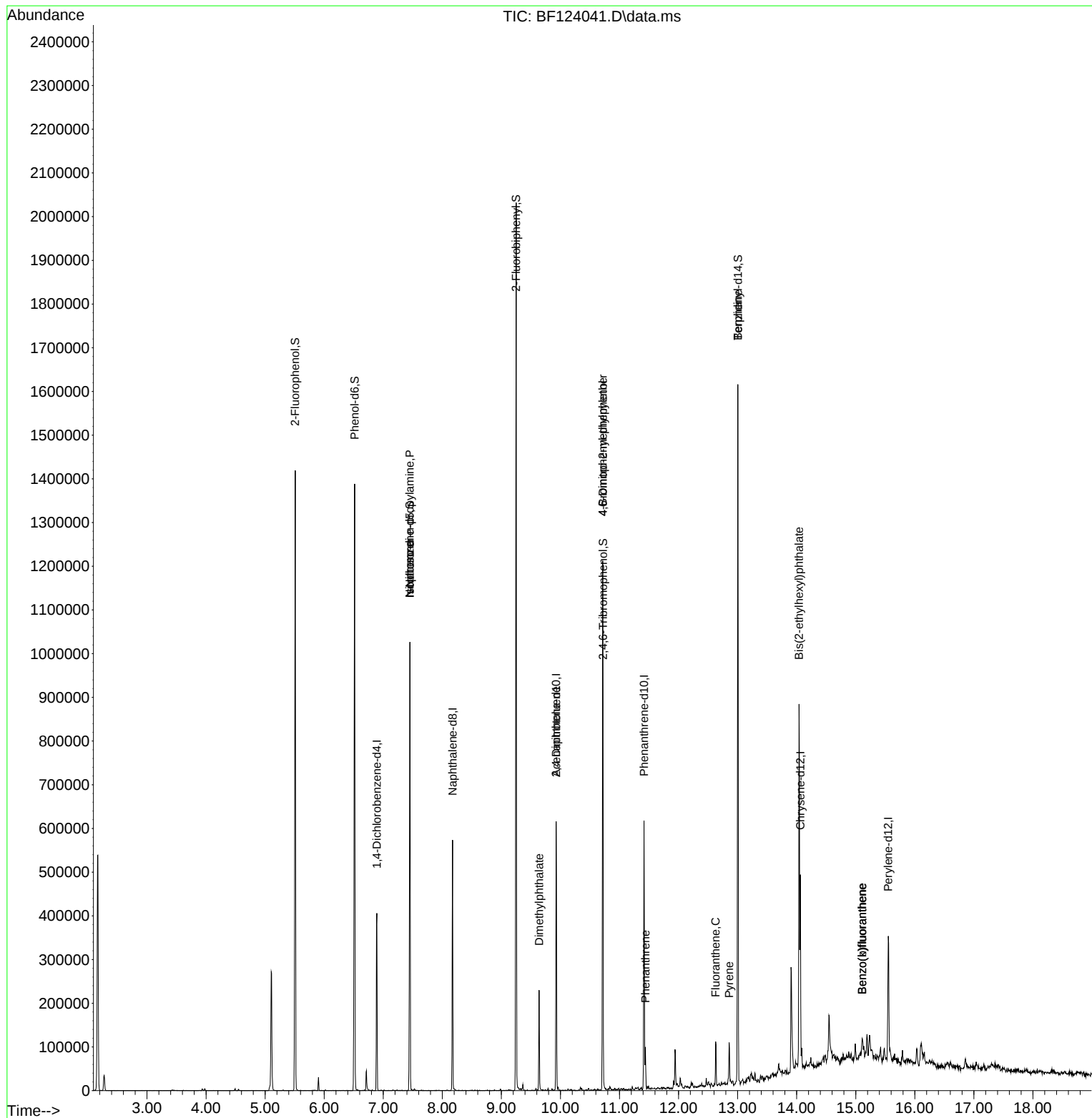
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	49928	20.00	ng	-0.01
21) Naphthalene-d8	8.175	136	192137	20.00	ng	-0.01
39) Acenaphthene-d10	9.927	164	112693	20.00	ng	-0.02
64) Phenanthrene-d10	11.416	188	186666	20.00	ng	#-0.01
76) Chrysene-d12	14.062	240	130720	20.00	ng	0.00
86) Perylene-d12	15.551	264	115244	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	292459	82.24	ng	0.00
7) Phenol-d6	6.516	99	370636	80.35	ng	0.00
23) Nitrobenzene-d5	7.451	82	275073	61.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.721	330	117441	86.77	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	508048	55.48	ng	-0.01
79) Terphenyl-d14	13.004	244	451154	52.27	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	40848	13.10	ng	# 70
25) Isophorone	7.451	82	275068	32.06	ng	# 69
50) Dimethylphthalate	9.639	163	73768	8.20	ng	100
57) 2,4-Dinitrotoluene	9.927	165	14482	6.49	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.716	198	440	5.76	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	7703	3.14	ng	# 1
71) Phenanthrene	11.439	178	30538	2.58	ng	# 87
75) Fluoranthene	12.627	202	36808	3.00	ng	98
77) Benzidine	13.004	184	7927	2.51	ng	# 87
78) Pyrene	12.857	202	35499	3.06	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	184953	28.80	ng	97
88) Benzo(b)fluoranthene	15.109	252	22413	2.51	ng	# 94
89) Benzo(k)fluoranthene	15.109	252	22413	2.76	ng	# 94

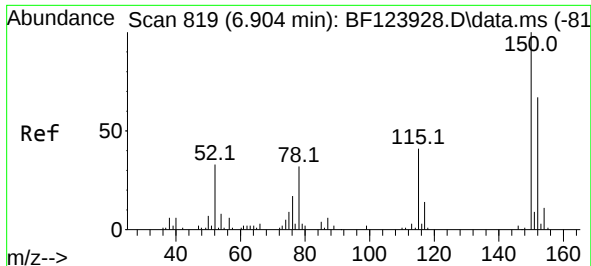
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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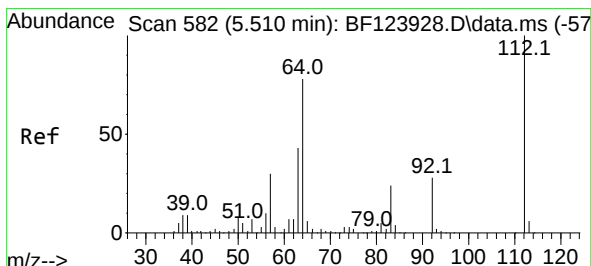
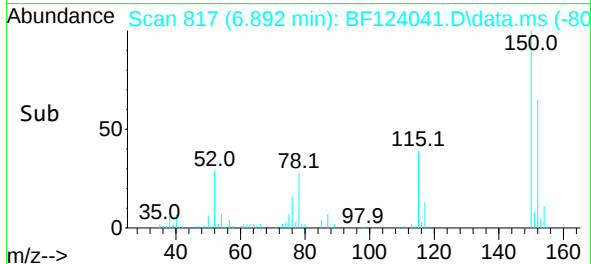
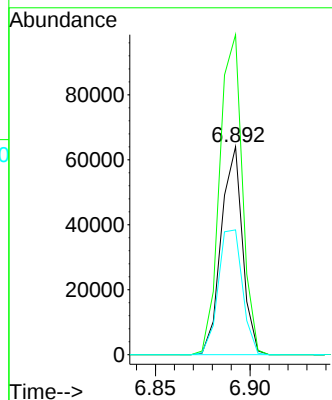
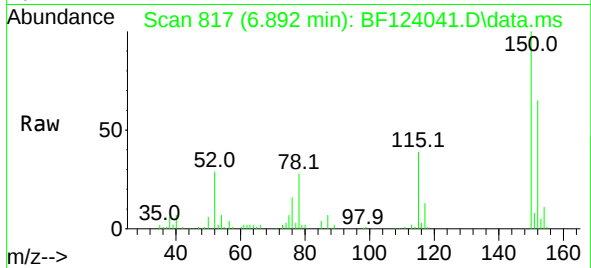




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

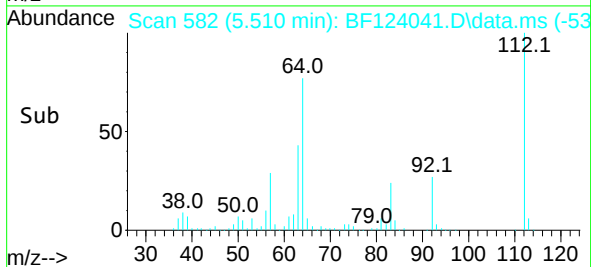
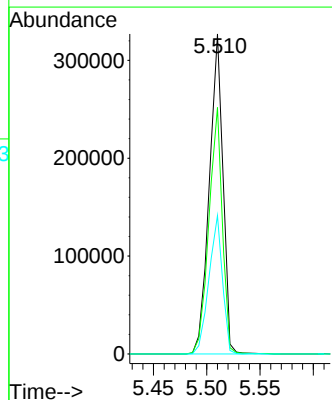
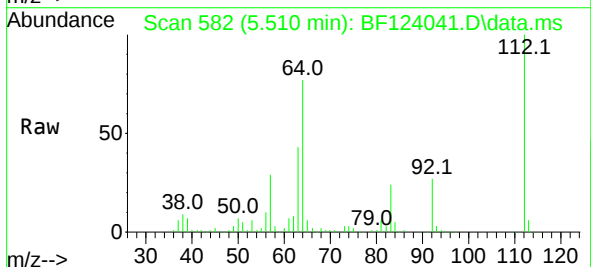
Instrument :
BNA_F
ClientSampleId :
72-11986

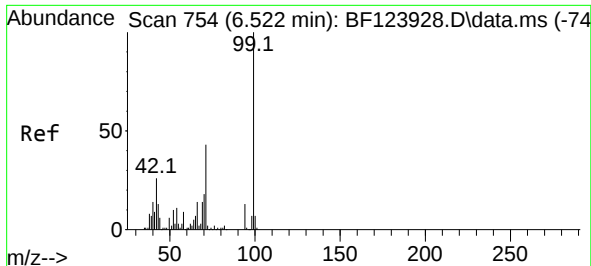
Tgt Ion:152 Resp: 49928
Ion Ratio Lower Upper
152 100
150 153.8 127.0 190.6
115 60.0 54.3 81.5



#5
2-Fluorophenol
Concen: 82.24 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

Tgt Ion:112 Resp: 292459
Ion Ratio Lower Upper
112 100
64 77.0 61.4 92.0
63 43.2 33.0 49.4

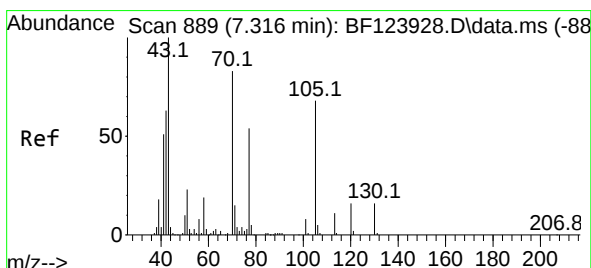
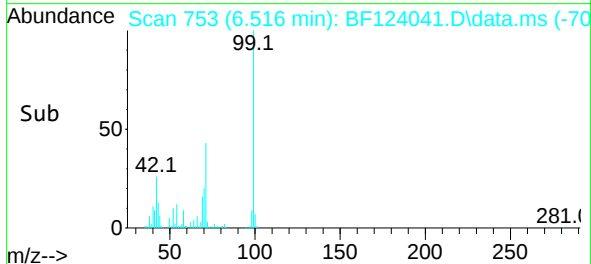
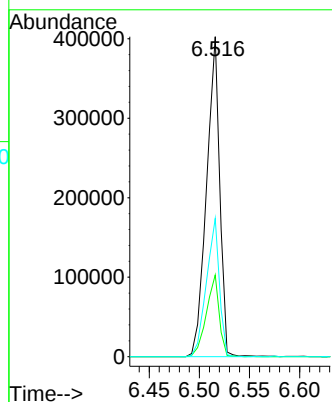
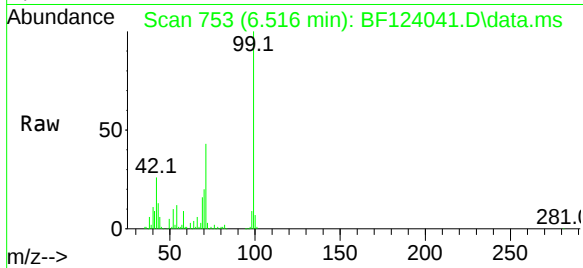




#7
Phenol-d6
Concen: 80.35 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

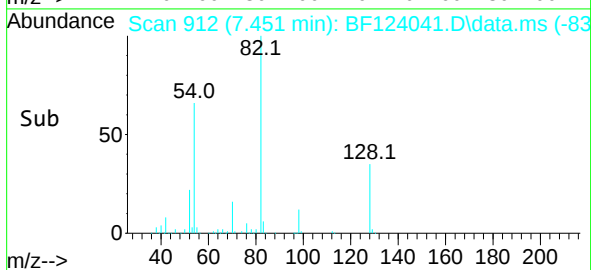
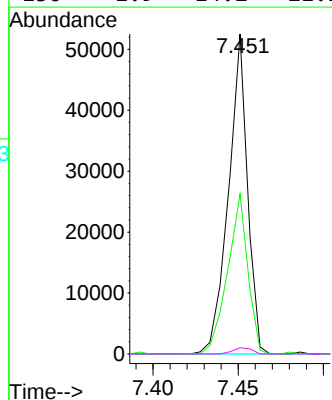
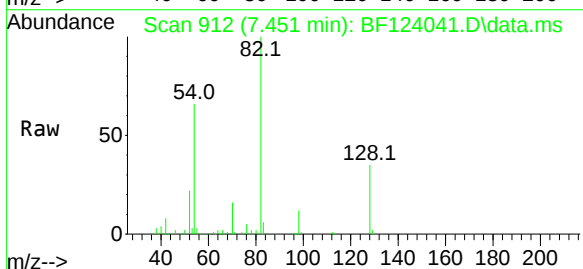
Instrument :
BNA_F
ClientSampleId :
72-11986

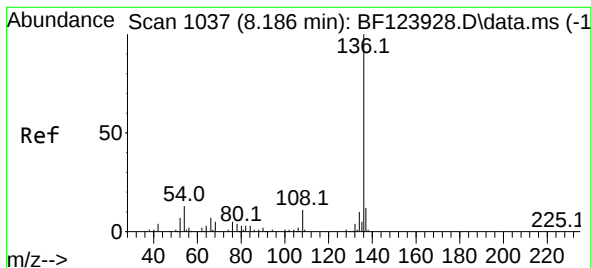
Tgt Ion: 99 Resp: 370636
Ion Ratio Lower Upper
99 100
42 25.5 19.8 29.8
71 43.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.10 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.135 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

Tgt Ion: 70 Resp: 40848
Ion Ratio Lower Upper
70 100
42 50.0 60.1 90.1#
101 0.0 7.4 11.2#
130 1.9 14.2 21.2#

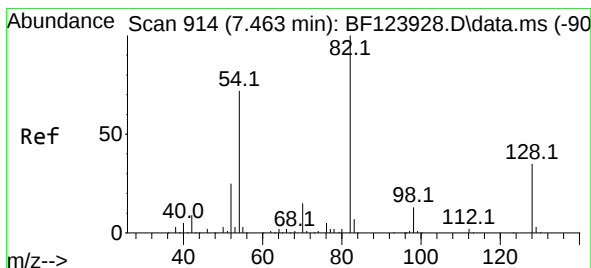
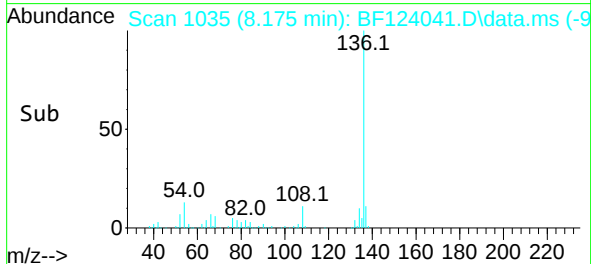
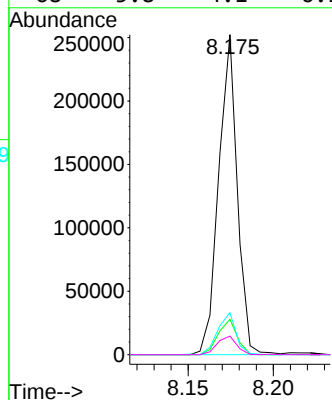
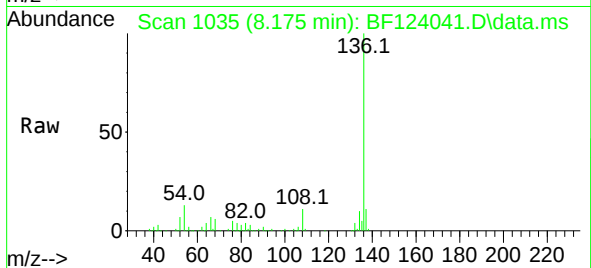




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.011 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

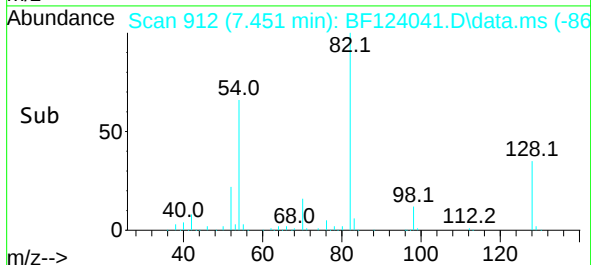
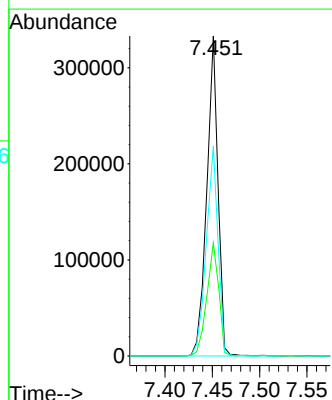
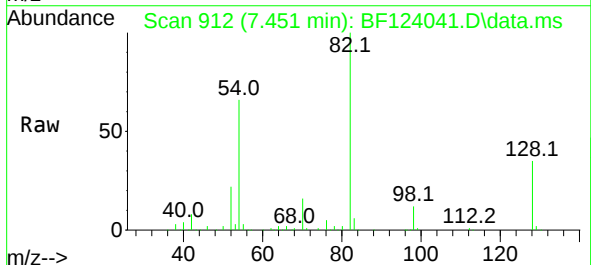
Instrument :
BNA_F
ClientSampleId :
72-11986

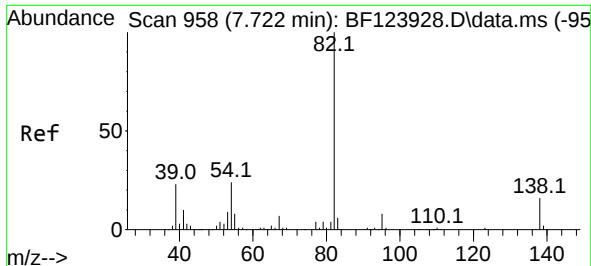
Tgt Ion:136	Resp: 192137
Ion Ratio	Lower Upper
136 100	
137 11.1	8.7 13.1
54 13.2	9.8 14.6
68 5.8	4.1 6.1



#23
Nitrobenzene-d5
Concen: 61.68 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

Tgt Ion: 82	Resp: 275073
Ion Ratio	Lower Upper
82 100	
128 35.3	29.4 44.2
54 65.5	54.1 81.1

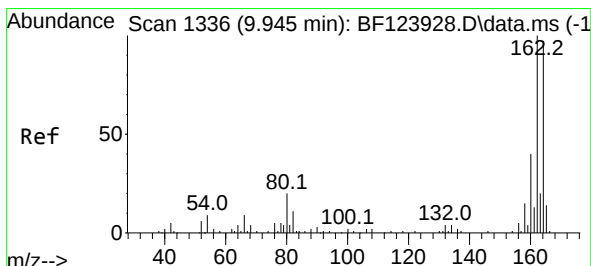
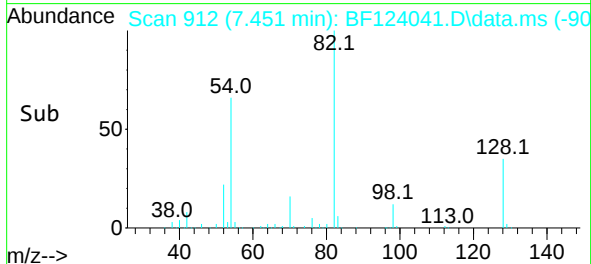
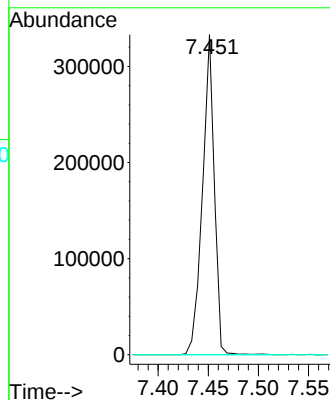
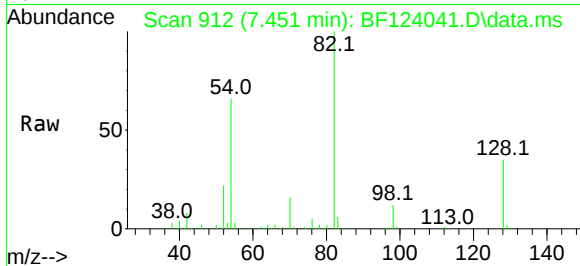




#25
Isophorone
Concen: 32.06 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.271 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

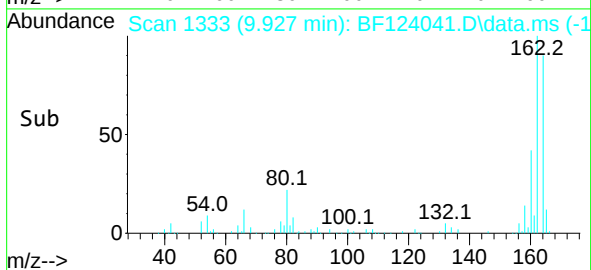
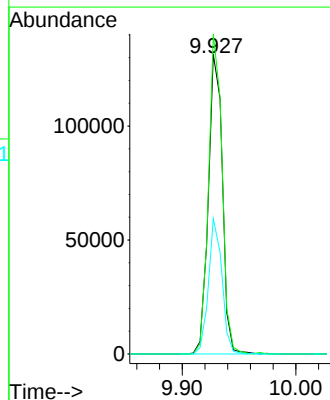
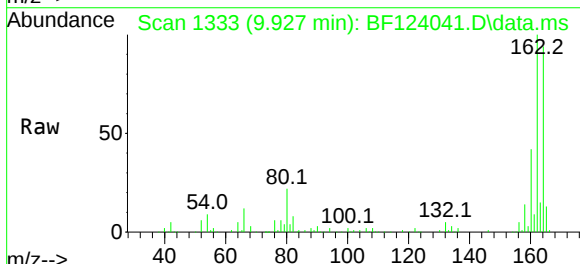
Instrument :
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ClientSampleId :
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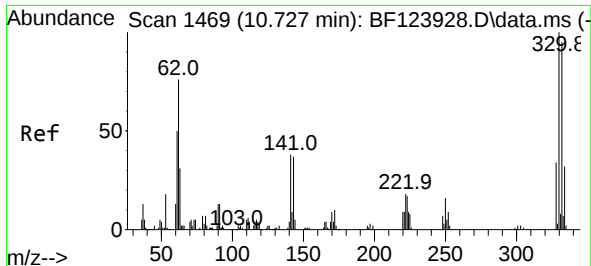
Tgt Ion: 82 Resp: 275068
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

Tgt Ion: 164 Resp: 112693
Ion Ratio Lower Upper
164 100
162 106.8 80.7 121.1
160 45.1 37.3 55.9

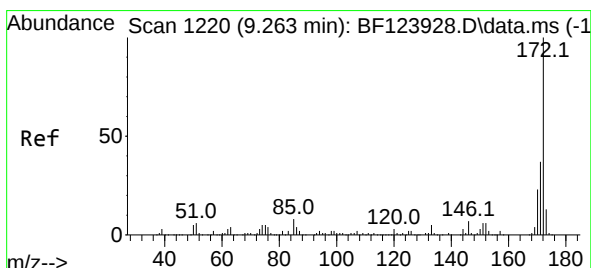
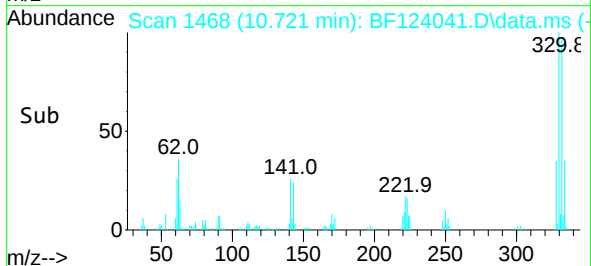
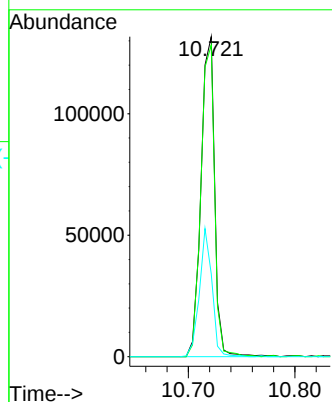
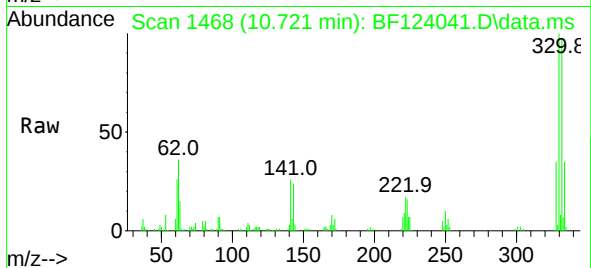




#42
2,4,6-Tribromophenol
Concen: 86.77 ng
RT: 10.721 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

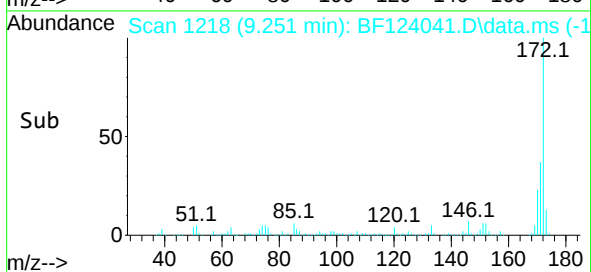
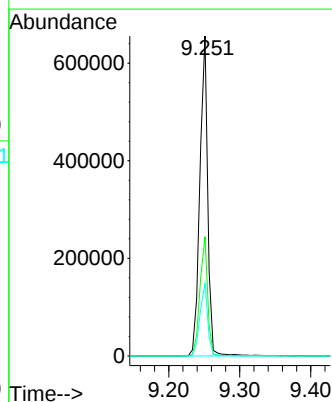
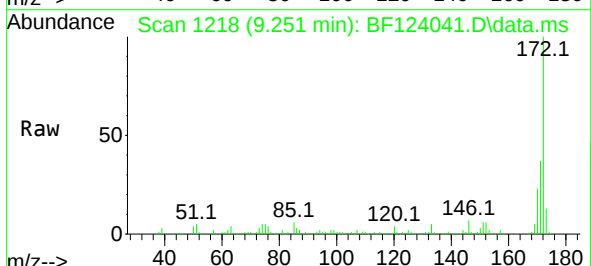
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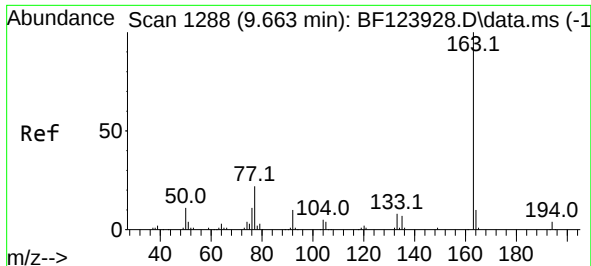
Tgt Ion:330 Resp: 117441
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 36.9 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 55.48 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

Tgt Ion:172 Resp: 508048
Ion Ratio Lower Upper
172 100
171 37.3 28.1 42.1
170 22.6 19.2 28.8

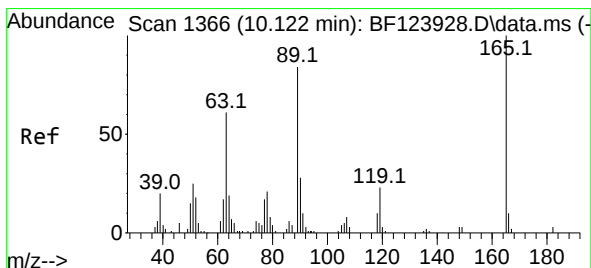
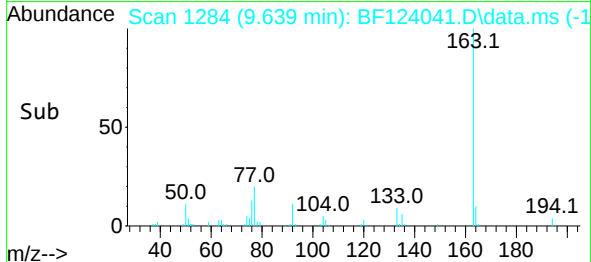
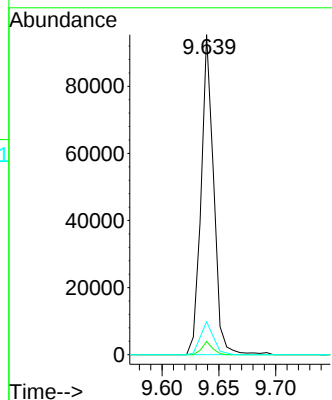
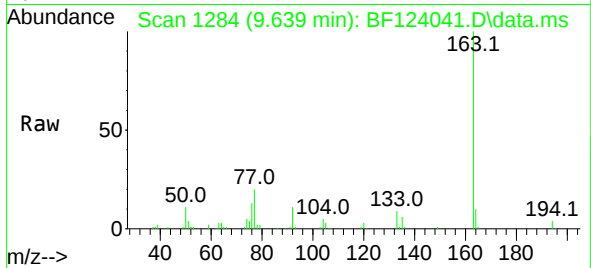




#50
Dimethylphthalate
Concen: 8.20 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

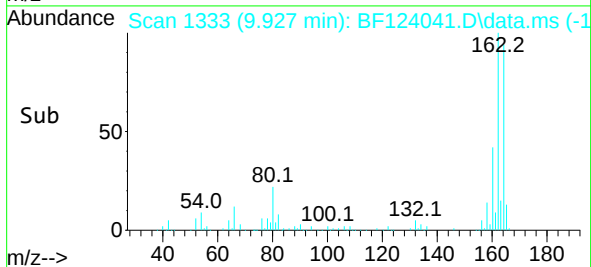
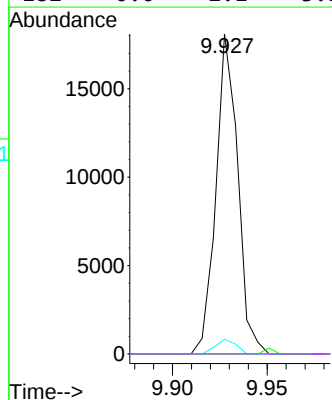
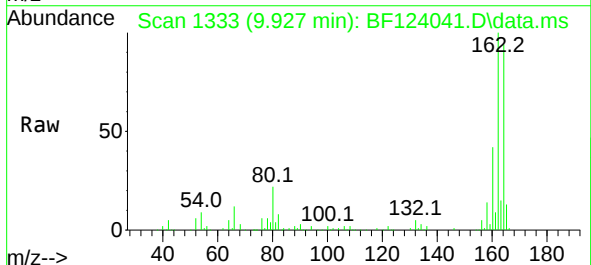
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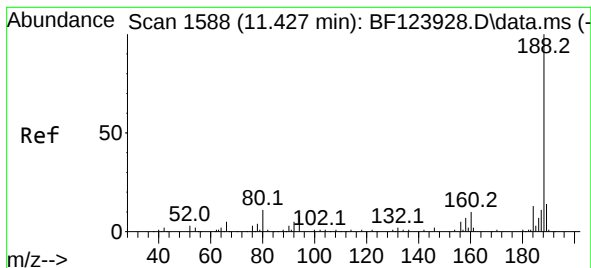
Tgt Ion:163 Resp: 73768
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.3 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 6.49 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

Tgt Ion:165 Resp: 14482
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 4.6 67.7 101.5#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.011 min

Lab File: BF124041.D

Acq: 24 May 2021 17:10

Instrument :

BNA_F

ClientSampleId :

72-11986

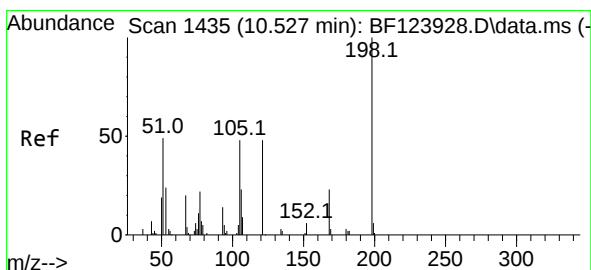
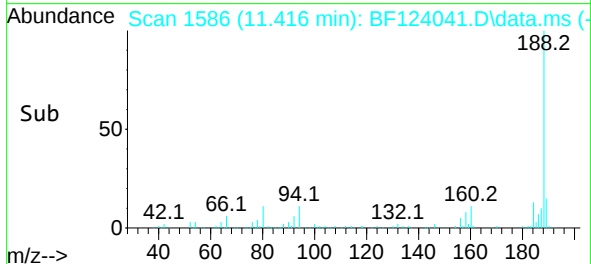
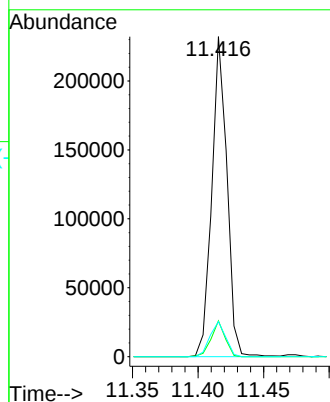
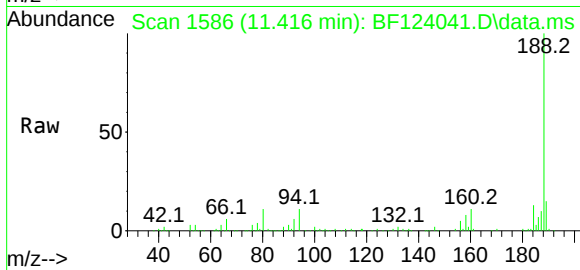
Tgt Ion:188 Resp: 186666

Ion Ratio Lower Upper

188 100

94 11.2 6.9 10.3#

80 10.9 8.2 12.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.76 ng

RT: 10.716 min Scan# 1467

Delta R.T. 0.189 min

Lab File: BF124041.D

Acq: 24 May 2021 17:10

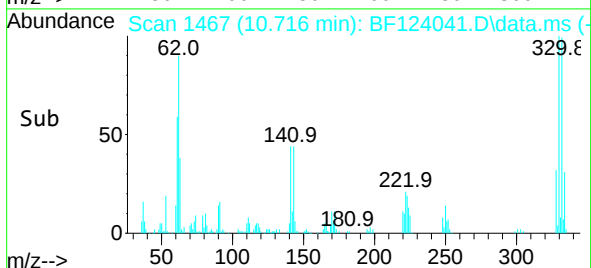
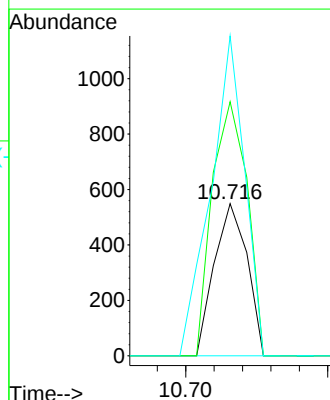
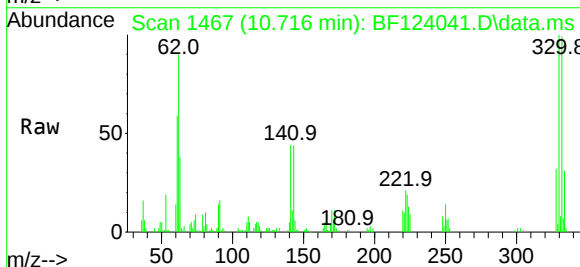
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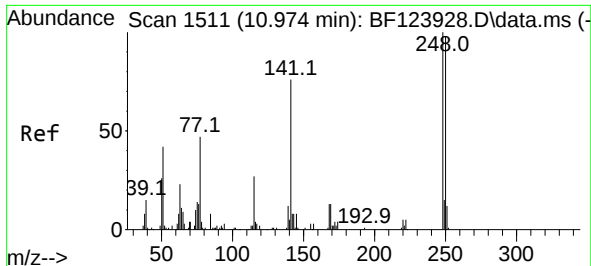
Ion Ratio Lower Upper

198 100

51 167.0 64.8 104.8#

105 210.2 42.6 82.6#

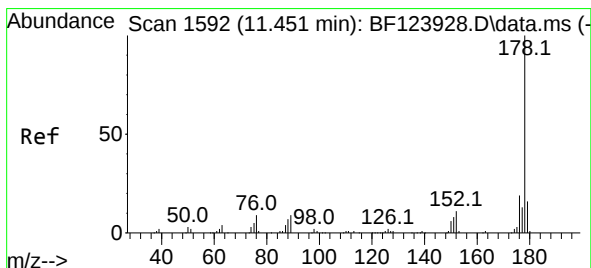
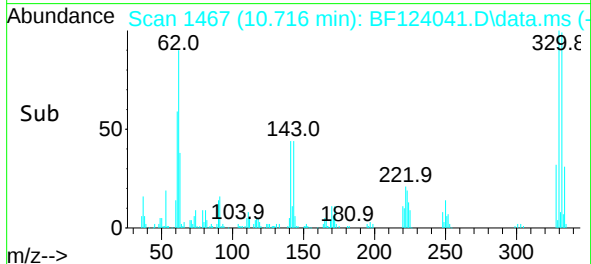
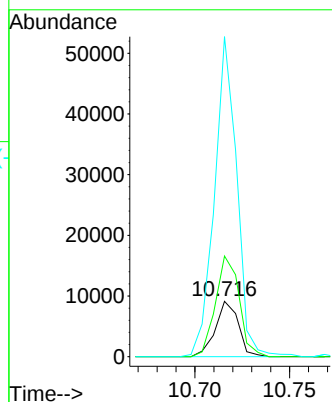
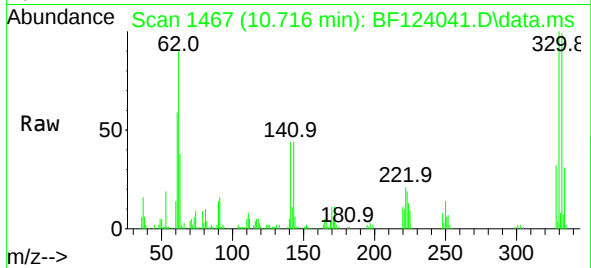




#67
4-Bromophenyl-phenylether
Concen: 3.14 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.259 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

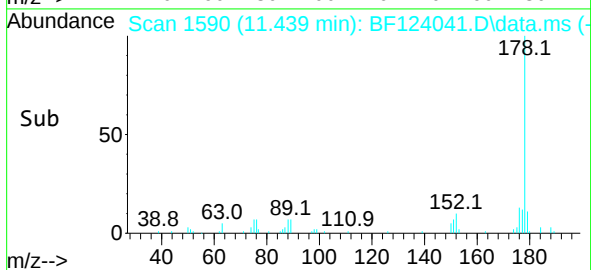
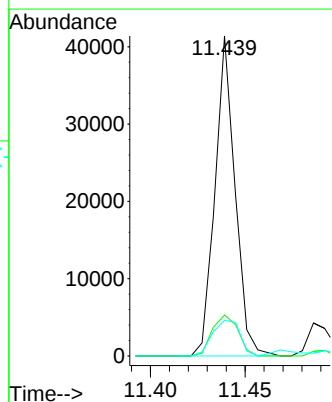
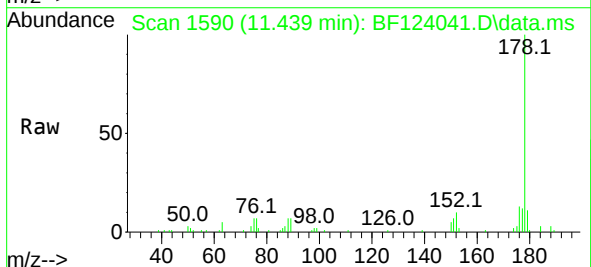
Instrument :
BNA_F
ClientSampleId :
72-11986

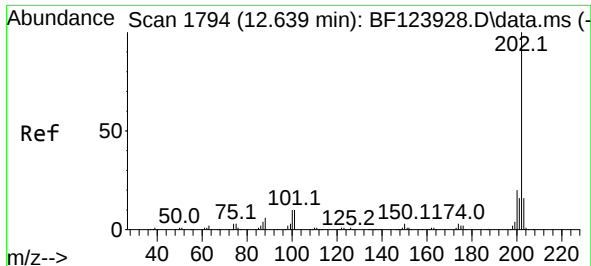
Tgt Ion:248 Resp: 7703
Ion Ratio Lower Upper
248 100
250 181.6 77.4 116.2#
141 577.8 63.7 95.5#



#71
Phenanthrene
Concen: 2.58 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.012 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

Tgt Ion:178 Resp: 30538
Ion Ratio Lower Upper
178 100
176 12.8 15.6 23.4#
179 11.1 12.5 18.7#

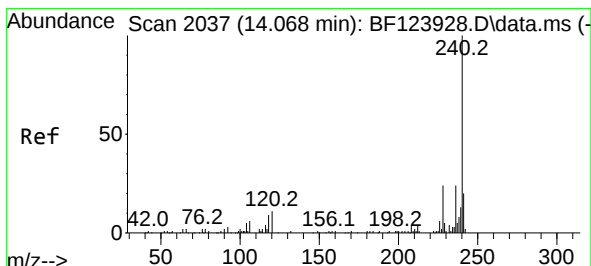
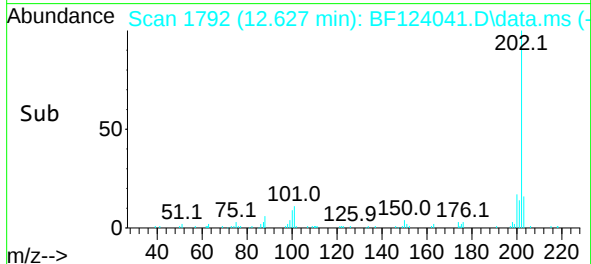
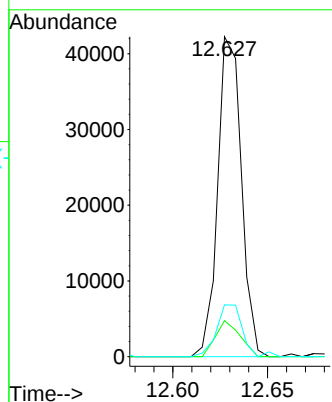
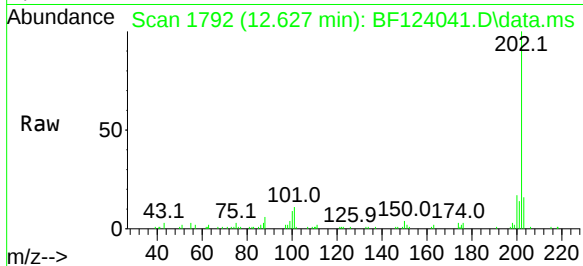




#75
Fluoranthene
Concen: 3.00 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.012 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

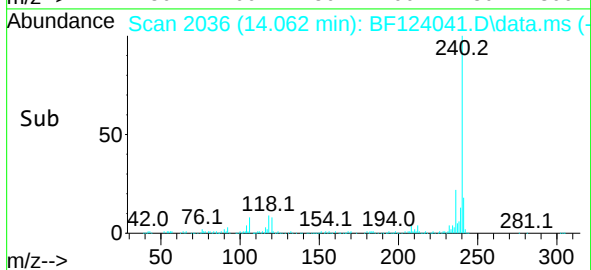
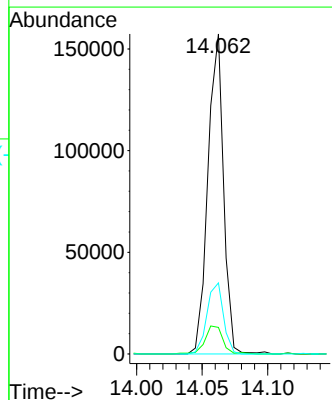
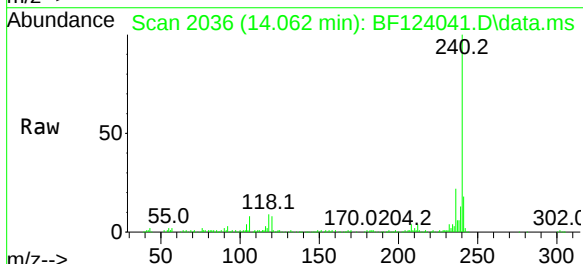
Instrument :
BNA_F
ClientSampleId :
72-11986

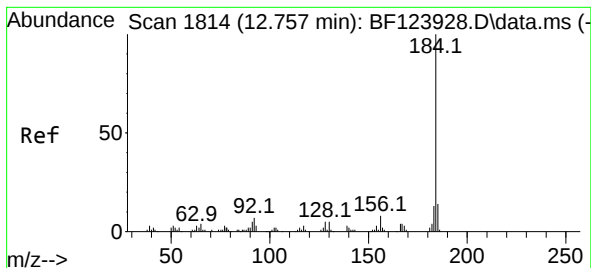
Tgt Ion:202	Resp:	36808
Ion Ratio	Lower	Upper
202	100	
101	11.3	0.0 30.9
203	16.2	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

Tgt Ion:240	Resp:	130720
Ion Ratio	Lower	Upper
240	100	
120	8.3	7.2 10.8
236	22.2	19.0 28.4





#77

Benzidine

Concen: 2.51 ng

RT: 13.004 min Scan# 1856

Delta R.T. 0.247 min

Lab File: BF124041.D

Acq: 24 May 2021 17:10

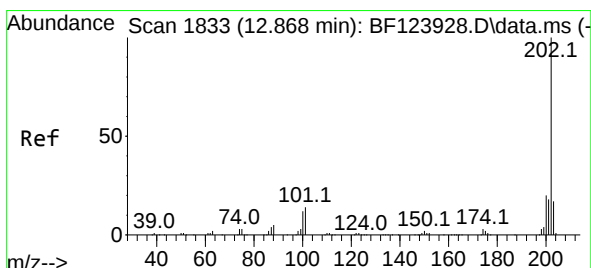
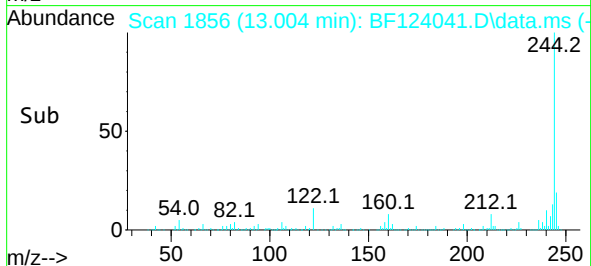
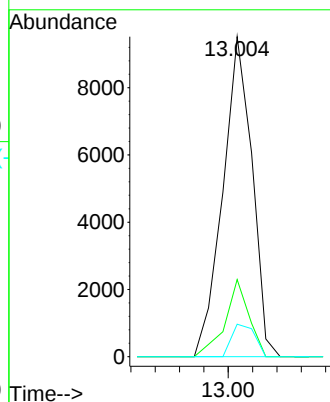
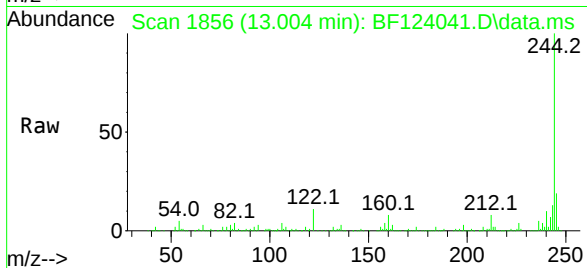
Tgt Ion:184	Resp:	7927
Ion Ratio	Lower	Upper
184	100	
185	24.1	12.1 18.1#
183	10.2	7.8 11.8

Instrument :

BNA_F

ClientSampleId :

72-11986



#78

Pyrene

Concen: 3.06 ng

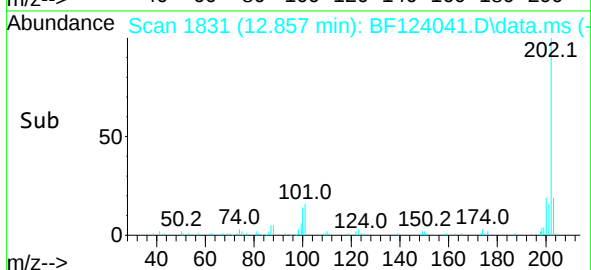
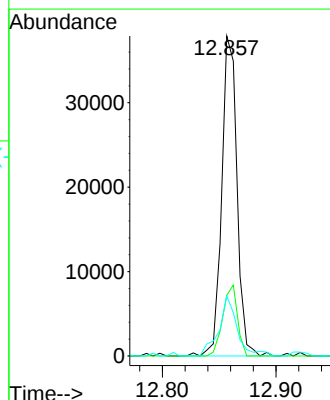
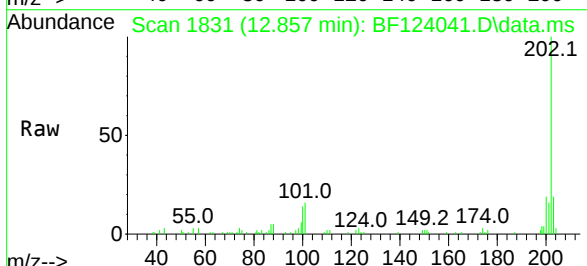
RT: 12.857 min Scan# 1831

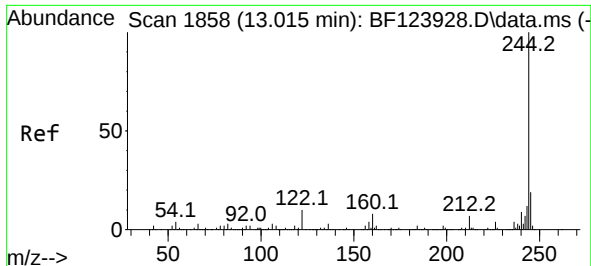
Delta R.T. -0.012 min

Lab File: BF124041.D

Acq: 24 May 2021 17:10

Tgt Ion:202	Resp:	35499
Ion Ratio	Lower	Upper
202	100	
200	18.9	16.1 24.1
203	18.8	14.8 22.2

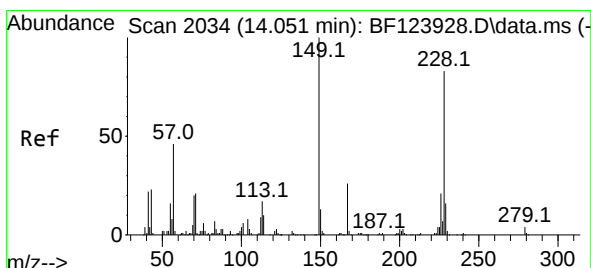
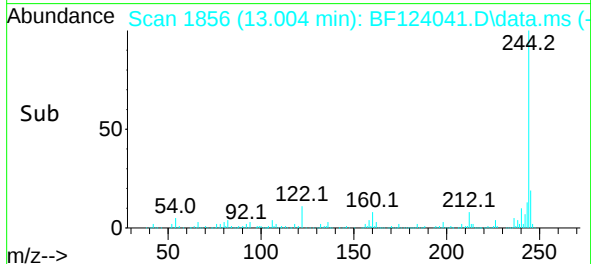
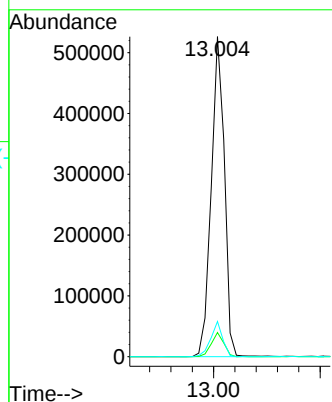
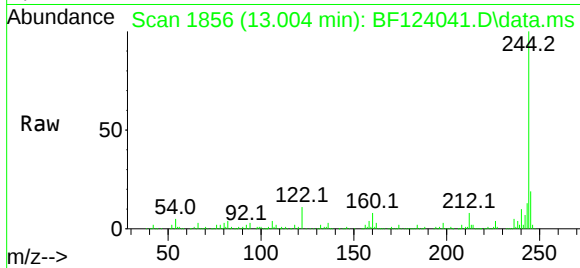




#79
 Terphenyl-d14
 Concen: 52.27 ng
 RT: 13.004 min Scan# 1856
 Delta R.T. -0.012 min
 Lab File: BF124041.D
 Acq: 24 May 2021 17:10

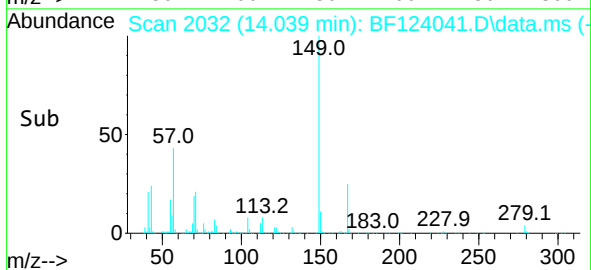
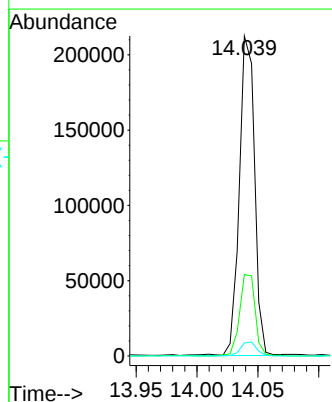
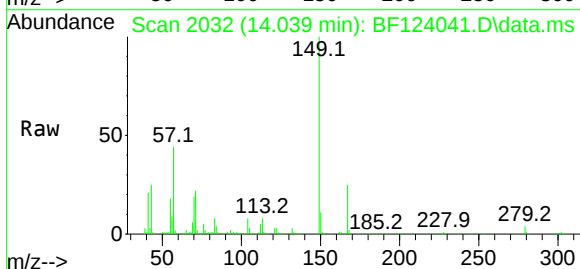
Instrument :
 BNA_F
 ClientSampleId :
 72-11986

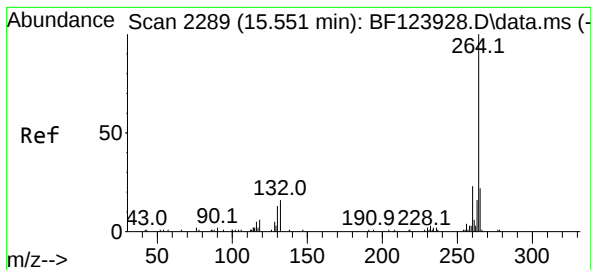
Tgt Ion:244 Resp: 451154
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 11.0 9.7 14.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 28.80 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.012 min
 Lab File: BF124041.D
 Acq: 24 May 2021 17:10

Tgt Ion:149 Resp: 184953
 Ion Ratio Lower Upper
 149 100
 167 25.4 21.8 32.6
 279 4.1 3.3 4.9

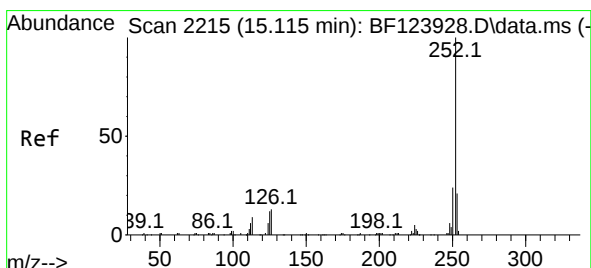
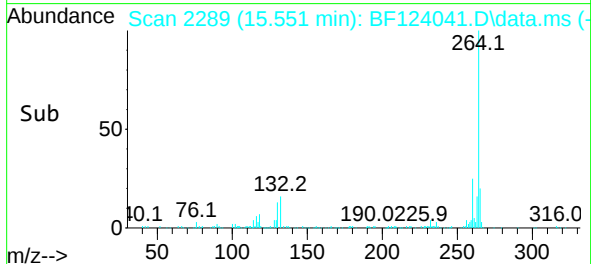
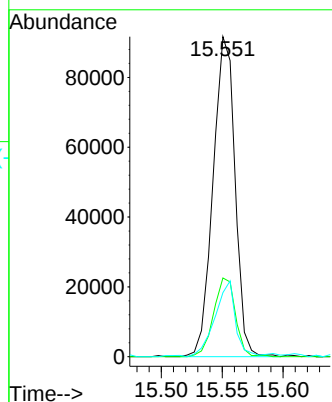
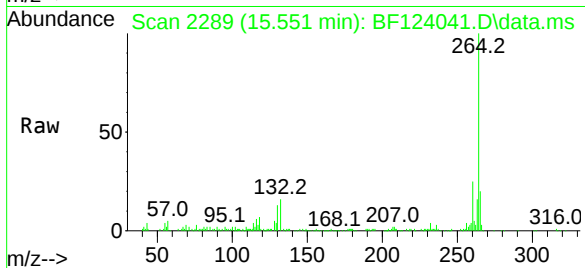




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2289
Delta R.T. -0.000 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

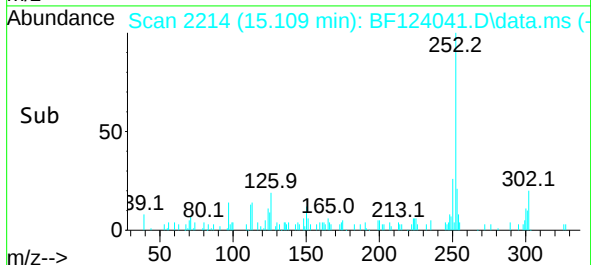
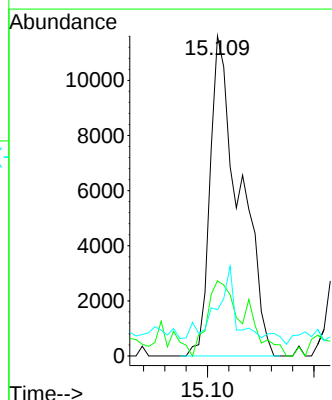
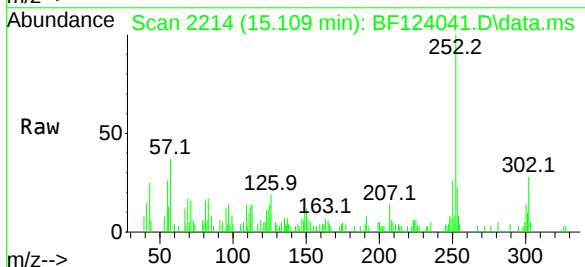
Instrument :
BNA_F
ClientSampleId :
72-11986

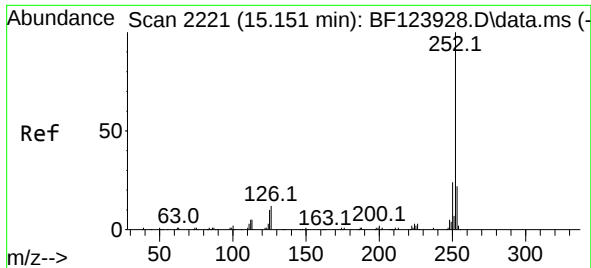
Tgt Ion:	264	Resp:	115244
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.7	28.1
265	20.0	17.8	26.8



#88
Benzo(b)fluoranthene
Concen: 2.51 ng
RT: 15.109 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

Tgt Ion:	252	Resp:	22413
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.1	27.1
125	14.5	6.2	9.4#





#89
Benzo(k)fluoranthene
Concen: 2.76 ng
RT: 15.109 min Scan# 2214
Delta R.T. -0.041 min
Lab File: BF124041.D
Acq: 24 May 2021 17:10

Instrument :
BNA_F
ClientSampleId :
72-11986

Tgt Ion:252 Resp: 22413
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 14.5 7.0 10.6#

