

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122214.D
 Acq On : 31 Oct 2020 11:11
 Operator : JU/CG
 Sample : L4521-09
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-5

Quant Time: Nov 01 23:51:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 30 10:16:54 2020
 Response via : Initial Calibration

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

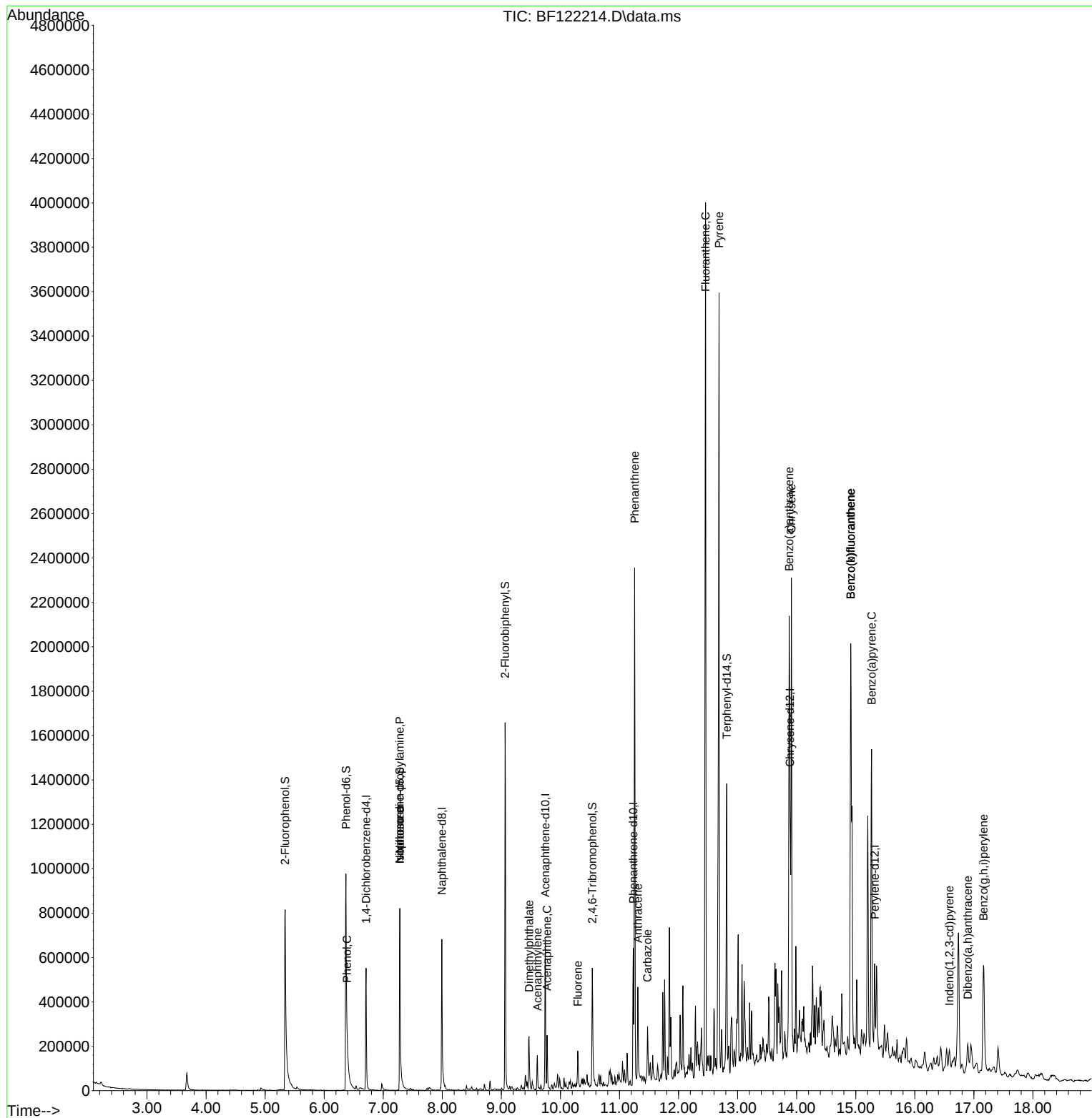
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	85323	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	310849	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	130330	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	202022	20.00	ng	0.00
76) Chrysene-d12	13.886	240	186682	20.00	ng	0.00
86) Perylene-d12	15.321	264	180428	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	388660	67.23	ng	0.00
7) Phenol-d6	6.369	99	499924	67.18	ng	0.00
23) Nitrobenzene-d5	7.281	82	317243	52.34	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	72657	45.07	ng	0.00
45) 2-Fluorobiphenyl	9.063	172	504800	56.99	ng	-0.01
79) Terphenyl-d14	12.816	244	369201	37.69	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.369	77	1321	Below Cal	#	3
10) Phenol	6.387	94	27179	3.54	ng	86
19) n-Nitroso-di-n-propyla...	7.281	70	42078	9.93	ng	# 78
25) Isophorone	7.281	82	317243	27.68	ng	# 67
49) Acenaphthylene	9.610	152	63541	5.02	ng	98
50) Dimethylphthalate	9.469	163	100305	10.53	ng	99
52) Acenaphthene	9.775	154	49668	6.60	ng	99
58) Fluorene	10.292	166	51202	5.77	ng	96
71) Phenanthrene	11.257	178	835602	75.44	ng	99
72) Anthracene	11.310	178	161962	14.10	ng	97
73) Carbazole	11.475	167	87112	8.53	ng	98
75) Fluoranthene	12.457	202	1657798	139.58	ng	97
78) Pyrene	12.686	202	1495320	105.11	ng	99
81) Benzo(a)anthracene	13.874	228	810216	66.23	ng	99
83) Chrysene	13.910	228	764901	63.69	ng	97
87) Indeno(1,2,3-cd)pyrene	16.586	276	48516	4.14	ng	94
88) Benzo(b)fluoranthene	14.915	252	1346519	110.40	ng	99
89) Benzo(k)fluoranthene	14.915	252	1346519	116.22	ng	98
90) Benzo(a)pyrene	15.268	252	667560	63.37	ng	97
91) Dibenzo(a,h)anthracene	16.898	278	61144	6.34	ng	99
92) Benzo(g,h,i)perylene	17.162	276	388953	40.29	ng	98

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

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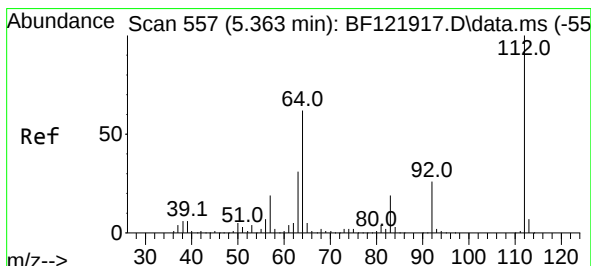
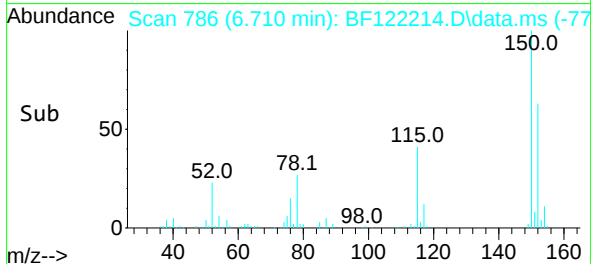
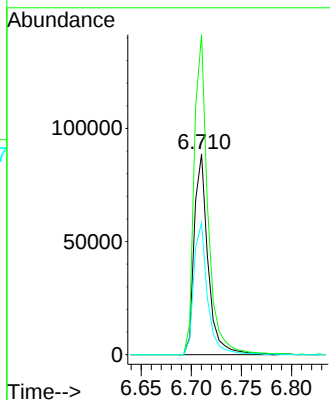
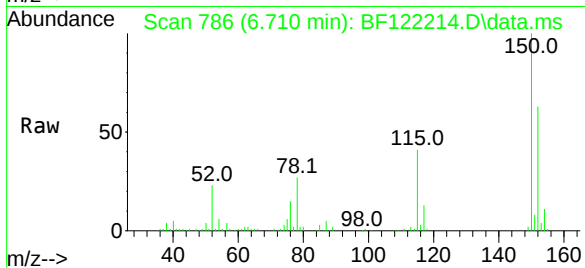




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

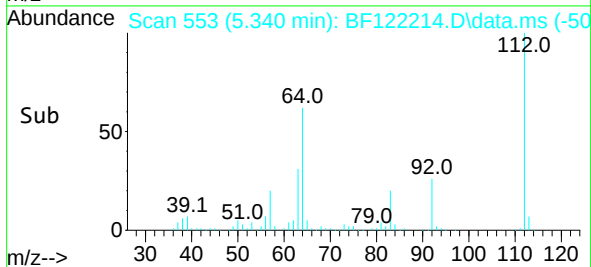
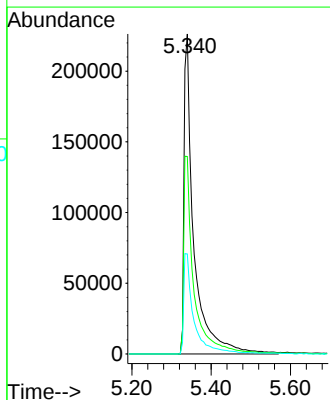
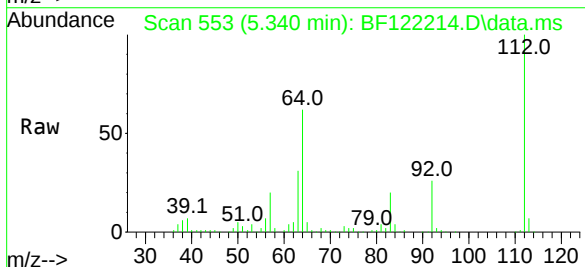
Instrument :
BNA_F
ClientSampleId :
S-5

Tgt Ion:152 Resp: 85323
Ion Ratio Lower Upper
152 100
150 159.4 125.3 187.9
115 65.7 51.9 77.9



#5
2-Fluorophenol
Concen: 67.23 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:112 Resp: 388660
Ion Ratio Lower Upper
112 100
64 61.7 50.4 75.6
63 31.3 25.8 38.6

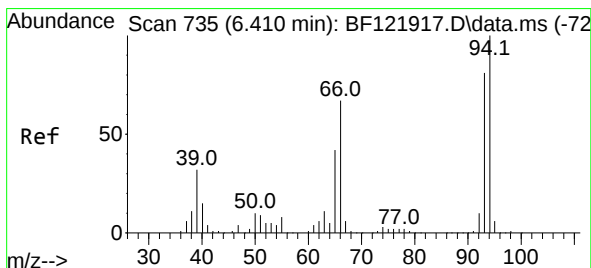
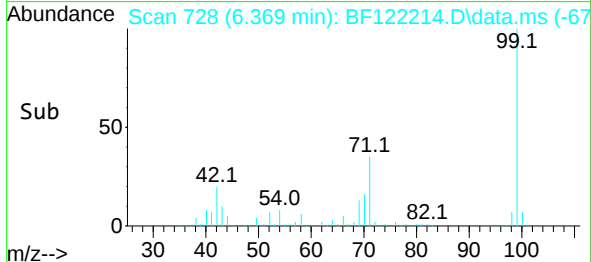
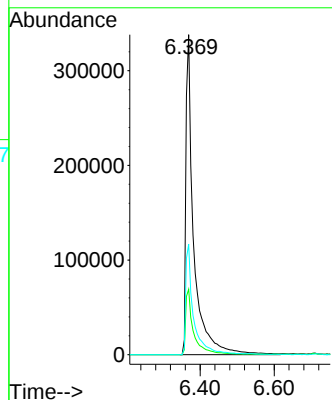
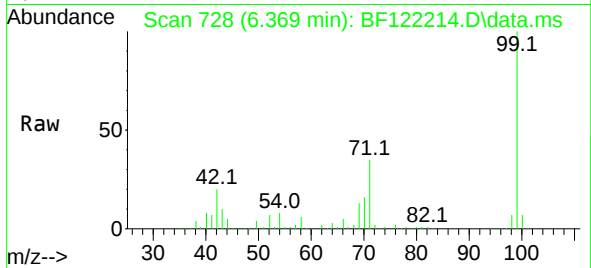




#7
Phenol-d6
Concen: 67.18 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

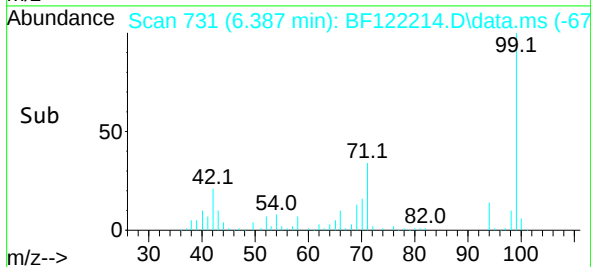
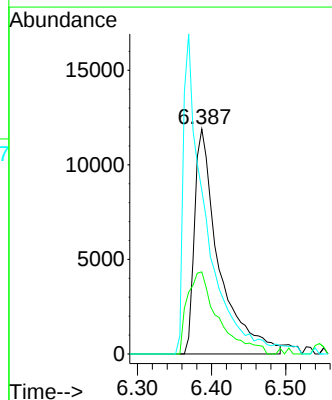
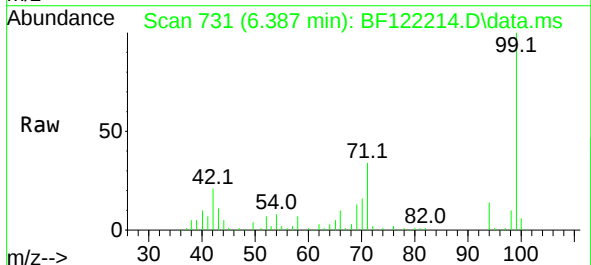
Instrument :
BNA_F
ClientSampleId :
S-5

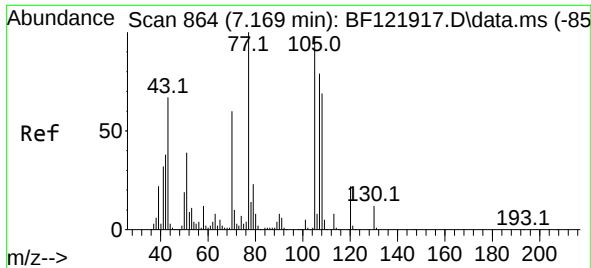
Tgt Ion: 99 Resp: 499924
Ion Ratio Lower Upper
99 100
42 20.4 15.9 23.9
71 34.6 27.1 40.7



#10
Phenol
Concen: 3.54 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

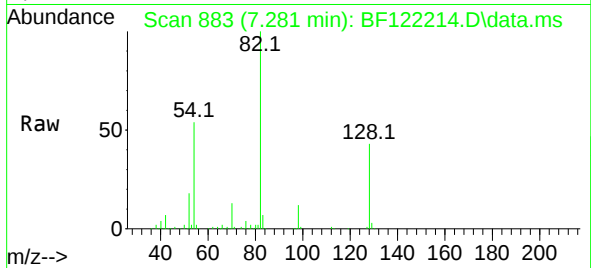
Tgt Ion: 94 Resp: 27179
Ion Ratio Lower Upper
94 100
65 36.5 17.1 57.1
66 72.7 36.0 76.0



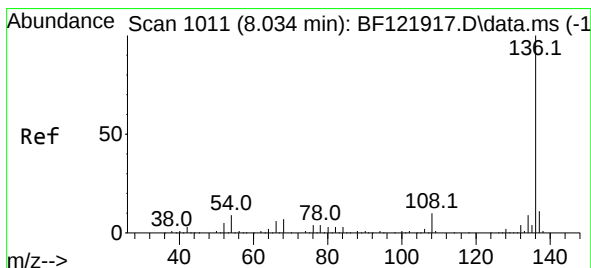
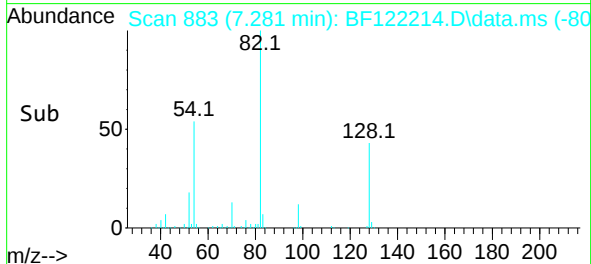
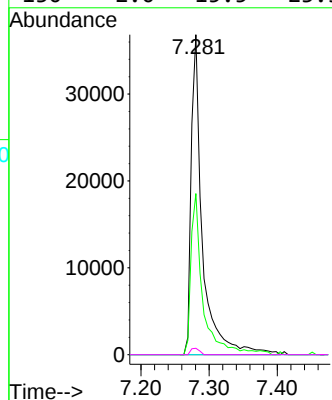


#19
n-Nitroso-di-n-propylamine
Concen: 9.93 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Instrument :
BNA_F
ClientSampled :
S-5

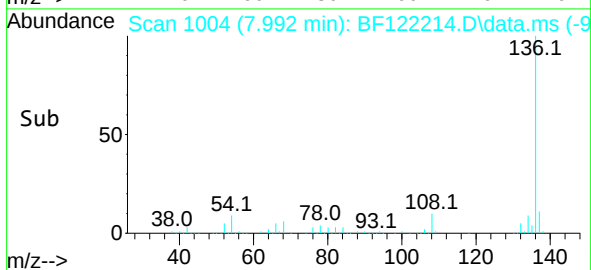
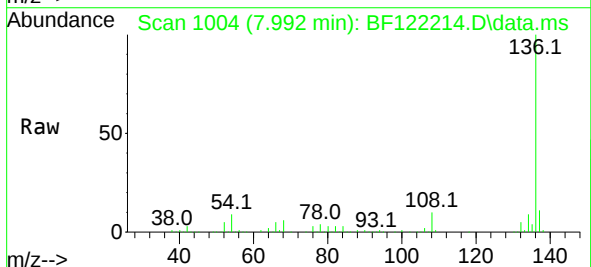
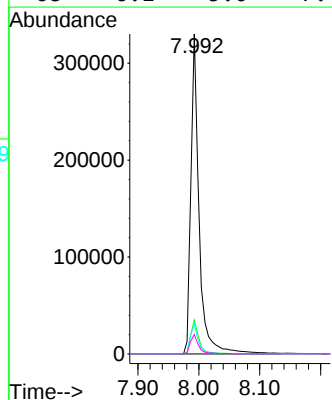


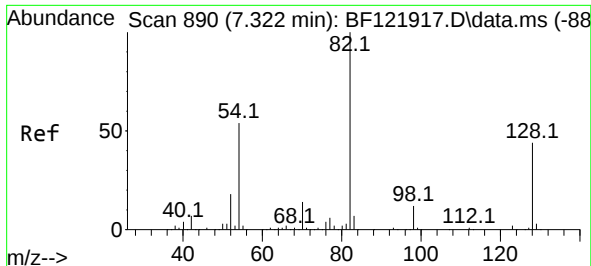
Tgt Ion: 70 Resp: 42078
Ion Ratio Lower Upper
70 100
42 50.3 50.2 75.4
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion: 136 Resp: 310849
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.4 7.1 10.7
68 6.1 5.0 7.4

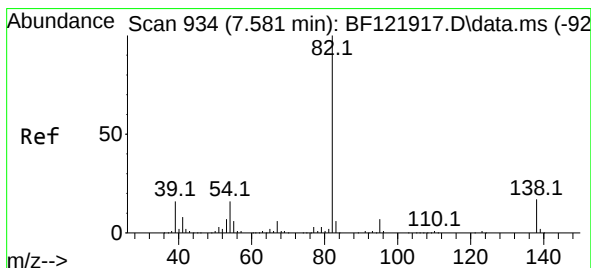
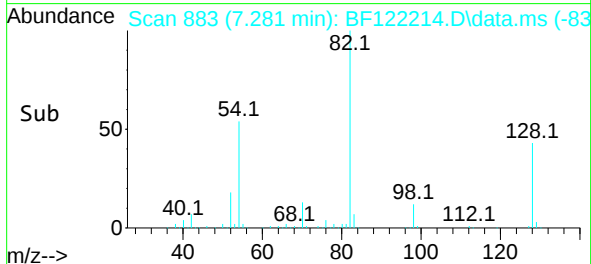
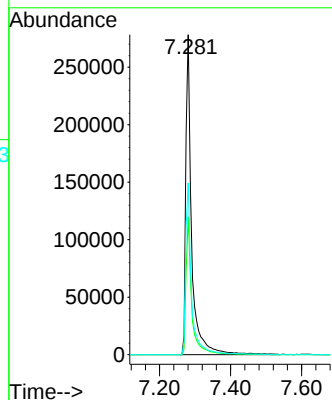
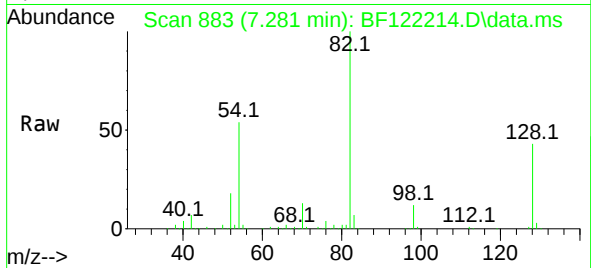




#23
Nitrobenzene-d5
Concen: 52.34 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

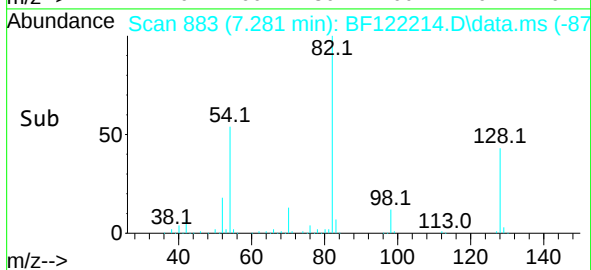
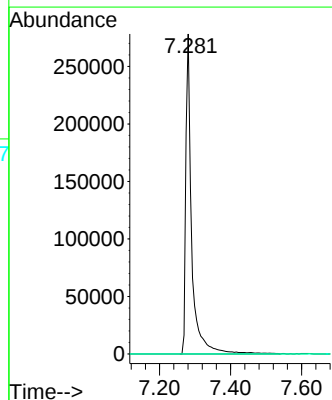
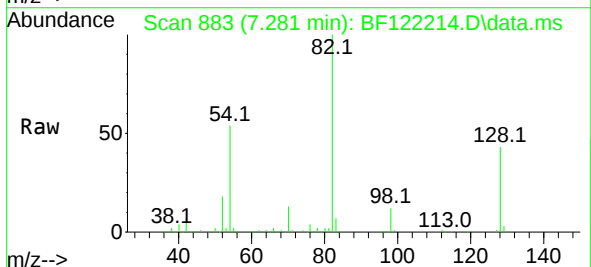
Instrument :
BNA_F
ClientSampled :
S-5

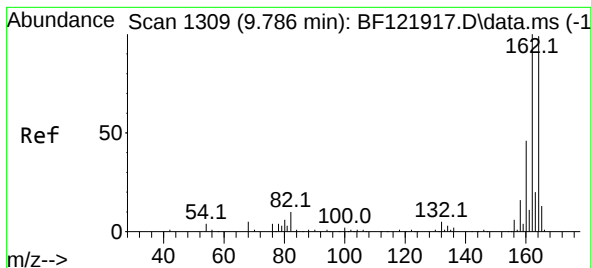
Tgt Ion: 82 Resp: 317243
Ion Ratio Lower Upper
82 100
128 43.0 35.0 52.4
54 53.6 43.9 65.9



#25
Isophorone
Concen: 27.68 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.265 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion: 82 Resp: 317243
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#





#39

Acenaphthene-d10

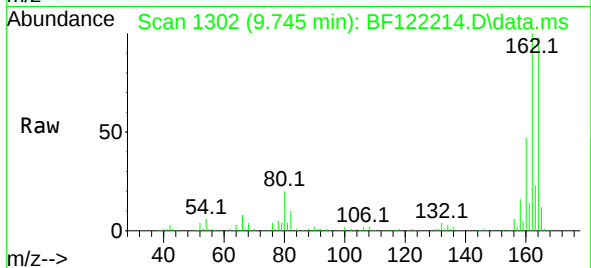
Concen: 20.00 ng

RT: 9.745 min Scan# 1302

Delta R.T. -0.006 min

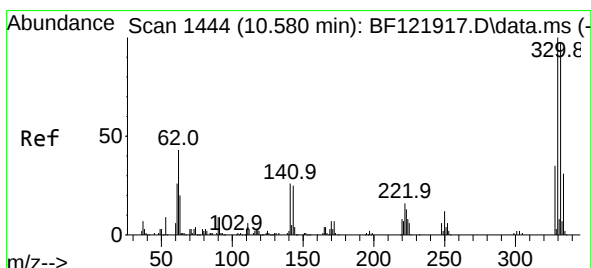
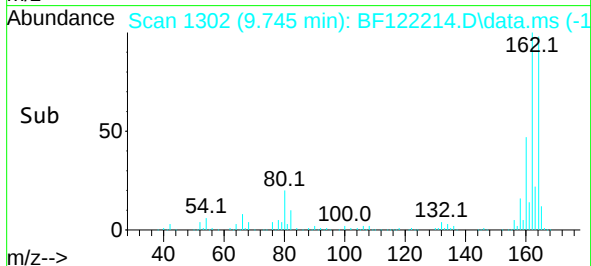
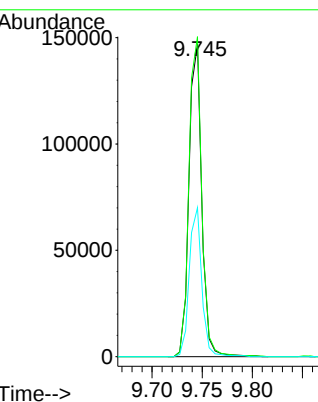
Lab File: BF122214.D

Acq: 31 Oct 2020 11:11



Tgt Ion:164 Resp: 130330

Ion	Ratio	Lower	Upper
164	100		
162	102.5	83.2	124.8
160	47.7	37.5	56.3



#42

2,4,6-Tribromophenol

Concen: 45.07 ng

RT: 10.539 min Scan# 1437

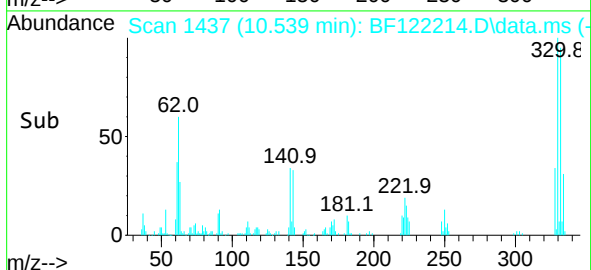
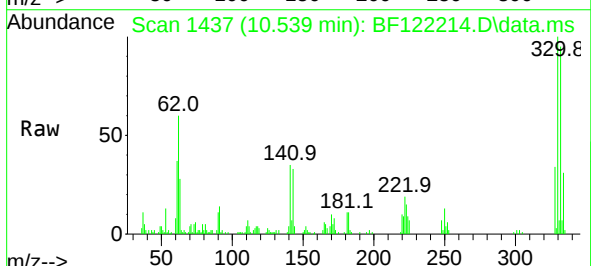
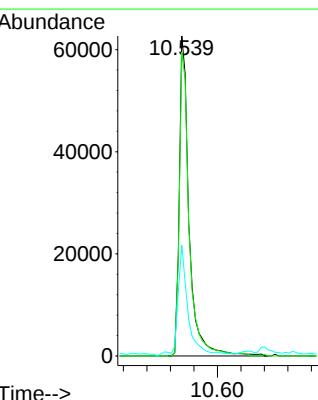
Delta R.T. -0.006 min

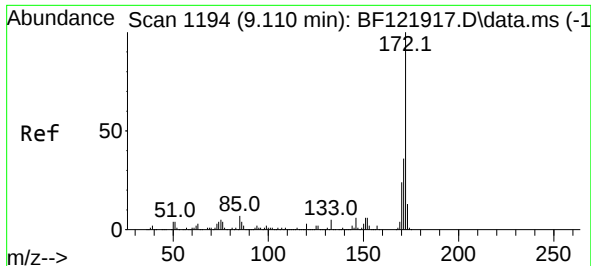
Lab File: BF122214.D

Acq: 31 Oct 2020 11:11

Tgt Ion:330 Resp: 72657

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	36.8	22.3	33.5

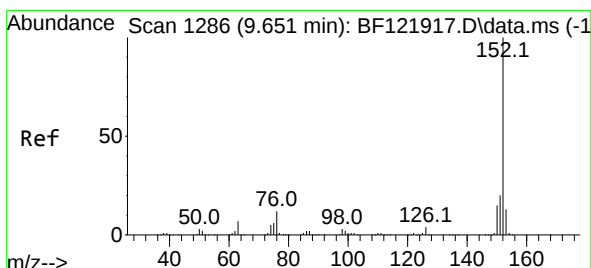
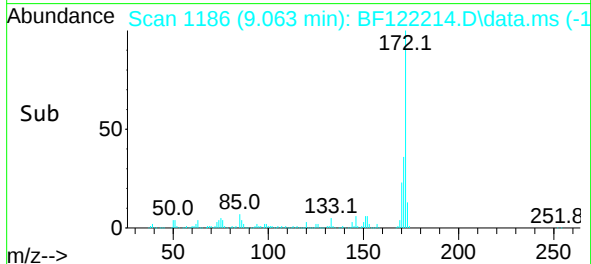
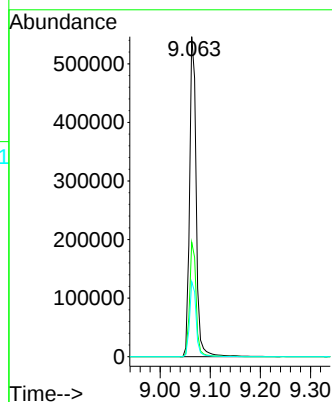
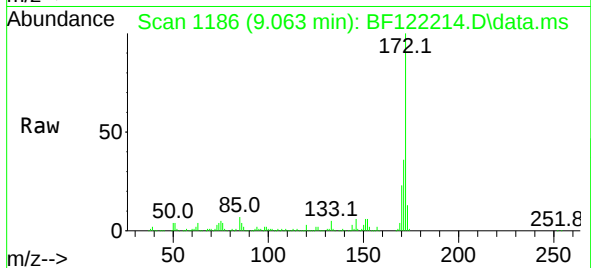




#45
2-Fluorobiphenyl
Concen: 56.99 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.012 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

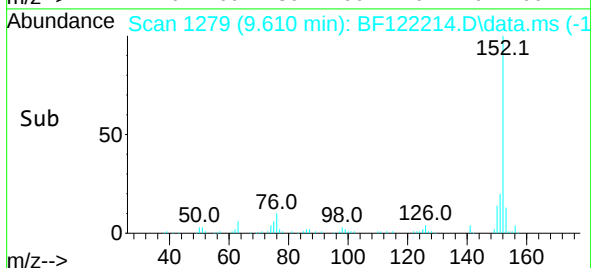
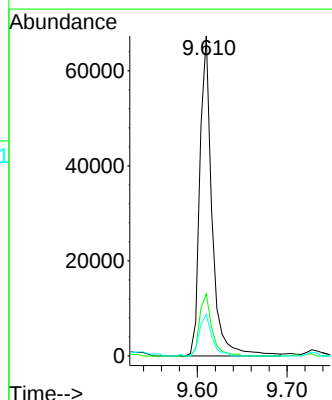
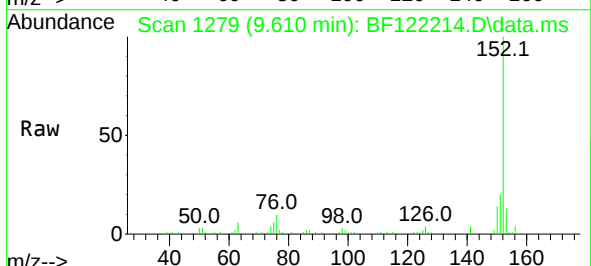
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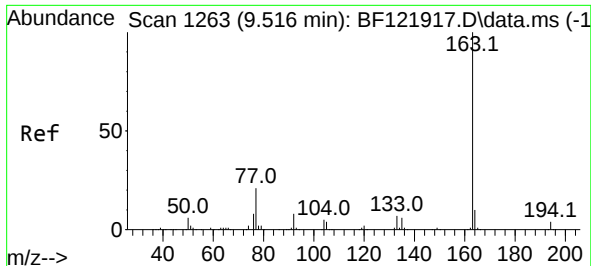
Tgt Ion:172 Resp: 504800
Ion Ratio Lower Upper
172 100
171 35.8 29.1 43.7
170 23.5 19.8 29.6



#49
Acenaphthylene
Concen: 5.02 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:152 Resp: 63541
Ion Ratio Lower Upper
152 100
151 19.5 16.4 24.6
153 13.0 10.6 15.8

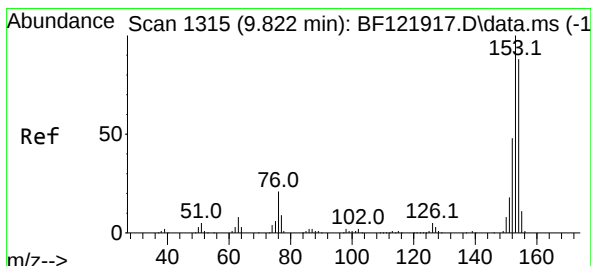
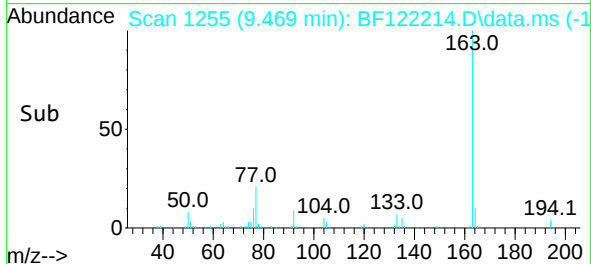
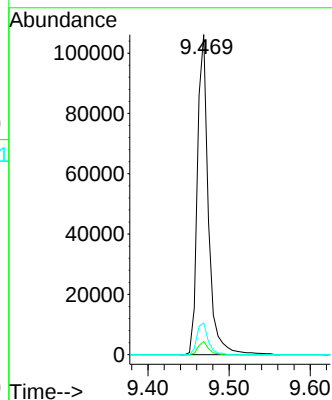
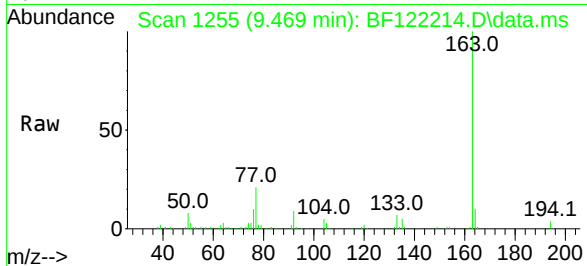




#50
Dimethylphthalate
Concen: 10.53 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

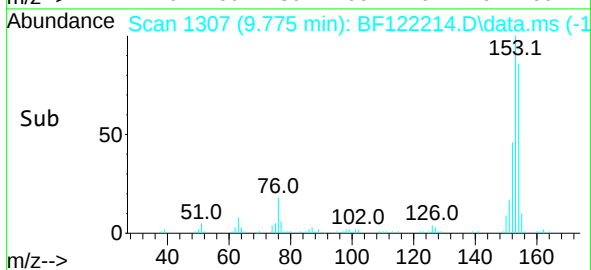
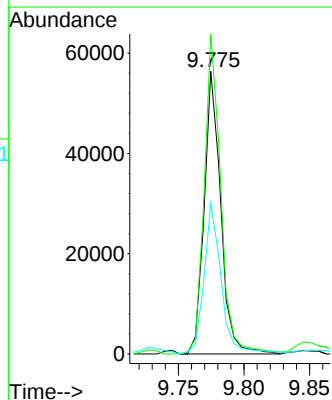
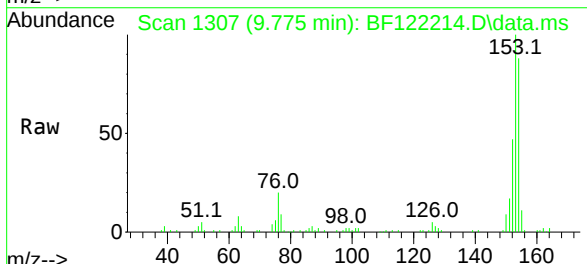
Instrument :
BNA_F
ClientSampleId :
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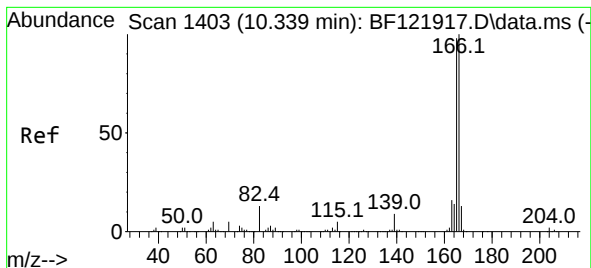
Tgt Ion:163 Resp: 100305
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.9 8.2 12.4



#52
Acenaphthene
Concen: 6.60 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:154 Resp: 49668
Ion Ratio Lower Upper
154 100
153 113.3 89.8 134.8
152 53.2 43.2 64.8





#58

Fluorene

Concen: 5.77 ng

RT: 10.292 min Scan# 1395

Delta R.T. -0.006 min

Lab File: BF122214.D

Acq: 31 Oct 2020 11:11

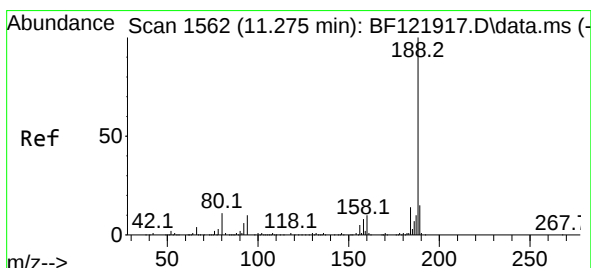
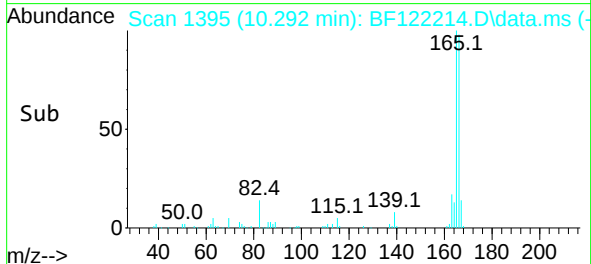
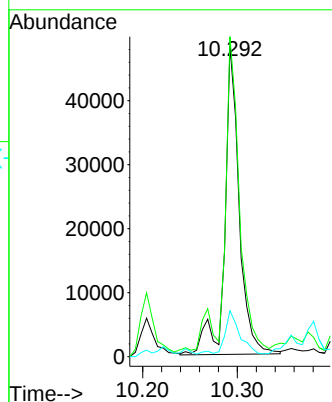
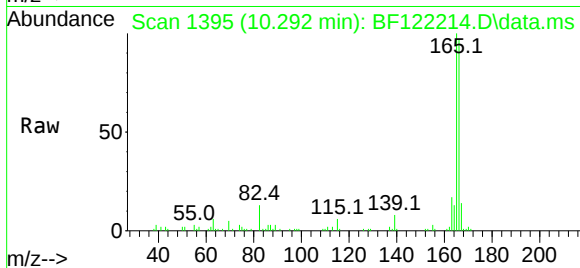
Instrument :

BNA_F

ClientSampled :

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Tgt Ion:166	Resp:	51202
Ion Ratio	Lower	Upper
166	100	
165	103.0	79.1 118.7
167	14.8	11.0 16.6



#64

Phenanthrene-d10

Concen: 20.00 ng

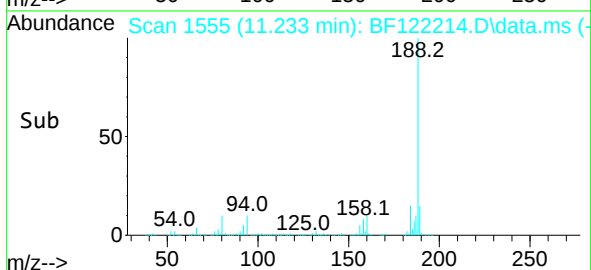
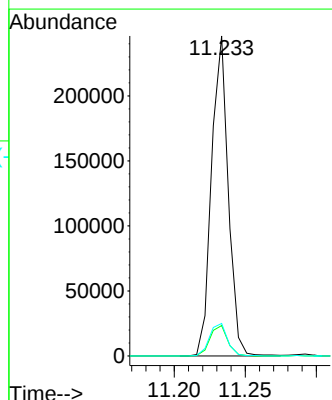
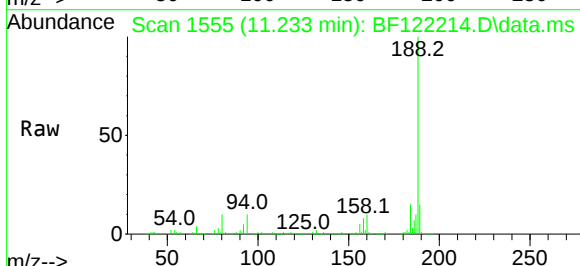
RT: 11.233 min Scan# 1555

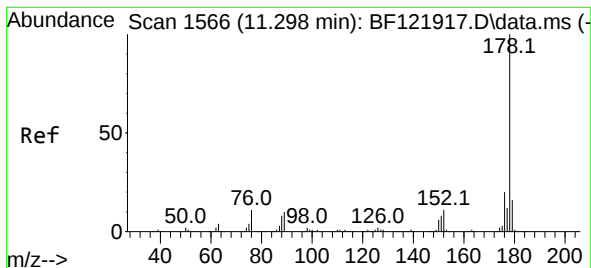
Delta R.T. -0.000 min

Lab File: BF122214.D

Acq: 31 Oct 2020 11:11

Tgt Ion:188	Resp:	202022
Ion Ratio	Lower	Upper
188	100	
94	9.5	8.3 12.5
80	10.1	9.1 13.7

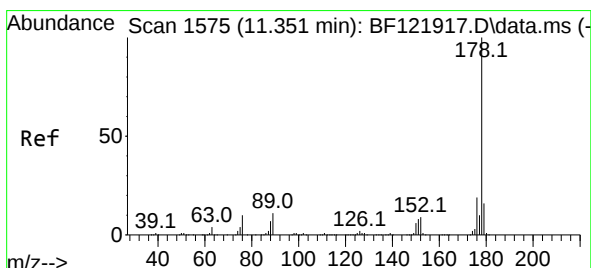
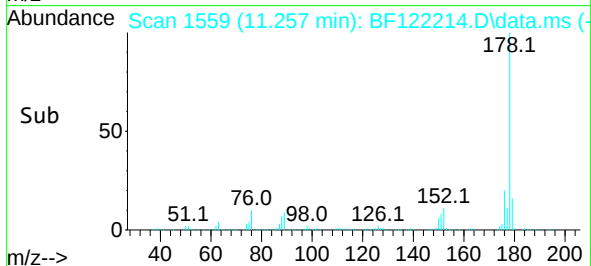
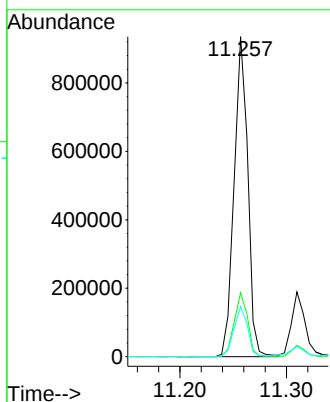
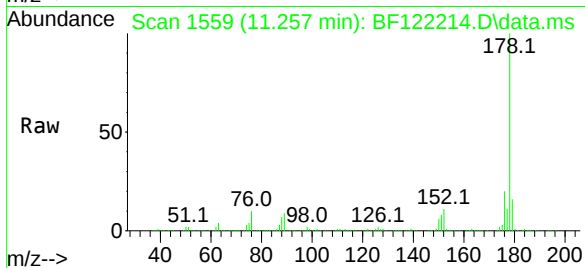




#71
Phenanthrene
Concen: 75.44 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

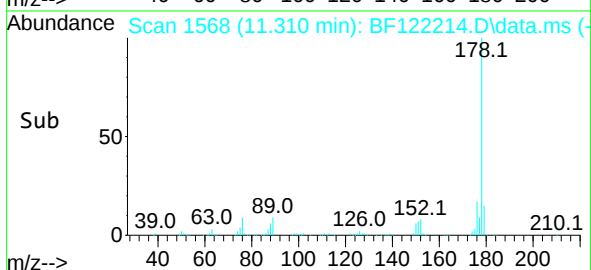
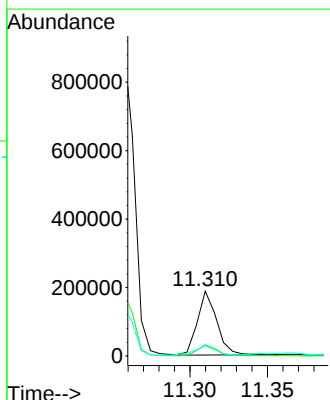
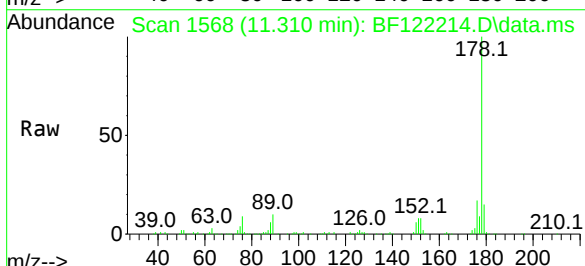
Instrument :
BNA_F
ClientSampled :
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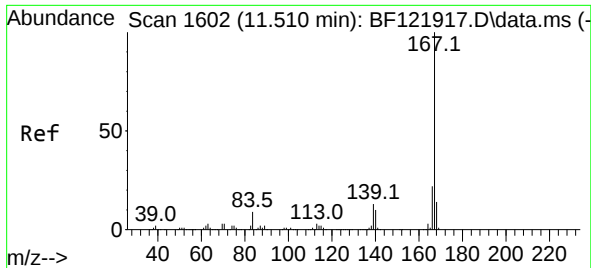
Tgt Ion:178 Resp: 835602
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.7 12.2 18.4



#72
Anthracene
Concen: 14.10 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:178 Resp: 161962
Ion Ratio Lower Upper
178 100
176 17.4 15.7 23.5
179 15.5 12.7 19.1

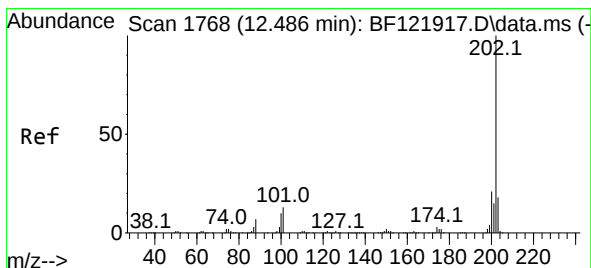
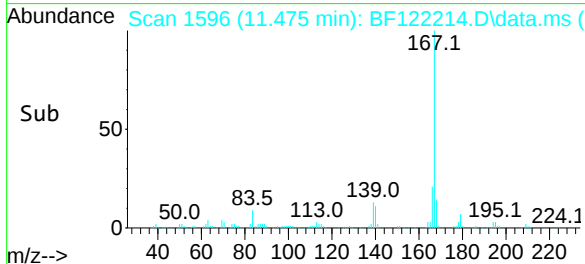
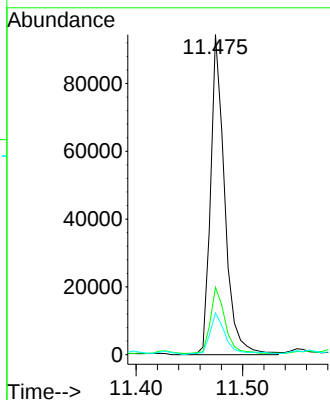
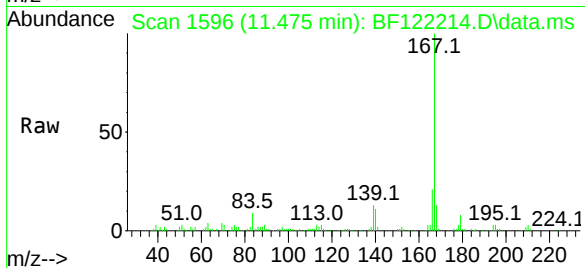




#73
 Carbazole
 Concen: 8.53 ng
 RT: 11.475 min Scan# 1596
 Delta R.T. -0.000 min
 Lab File: BF122214.D
 Acq: 31 Oct 2020 11:11

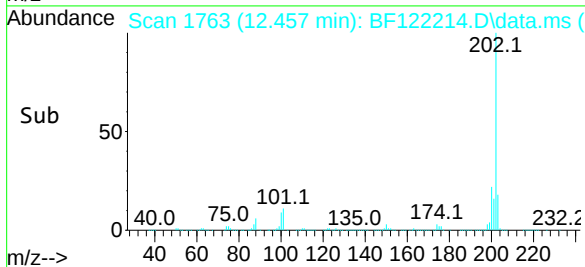
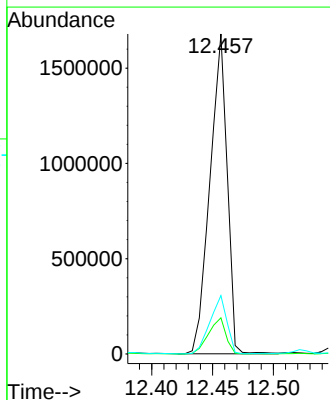
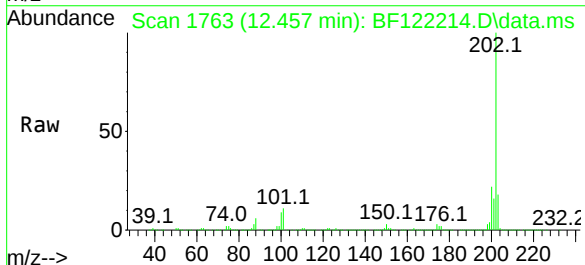
Instrument :
 BNA_F
 ClientSampleId :
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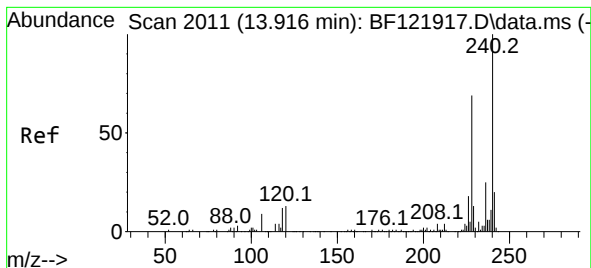
Tgt Ion:167	Resp:	87112
Ion Ratio	Lower	Upper
167	100	
166	21.0	17.8 26.6
139	13.0	10.8 16.2



#75
 Fluoranthene
 Concen: 139.58 ng
 RT: 12.457 min Scan# 1763
 Delta R.T. 0.006 min
 Lab File: BF122214.D
 Acq: 31 Oct 2020 11:11

Tgt Ion:202	Resp:	1657798
Ion Ratio	Lower	Upper
202	100	
101	11.3	0.0 33.4
203	18.3	0.0 37.9

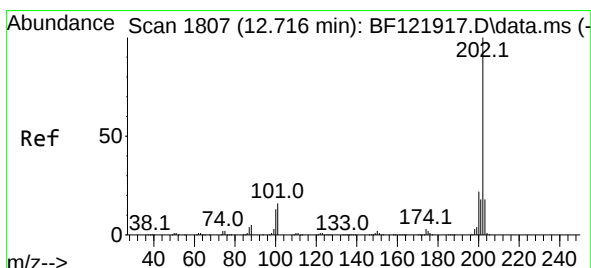
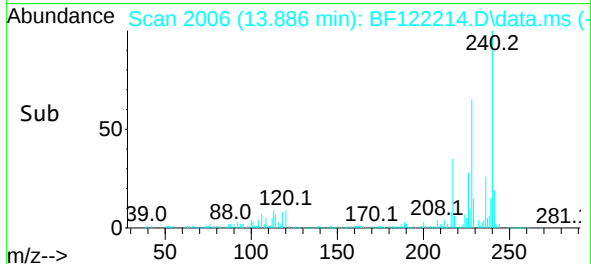
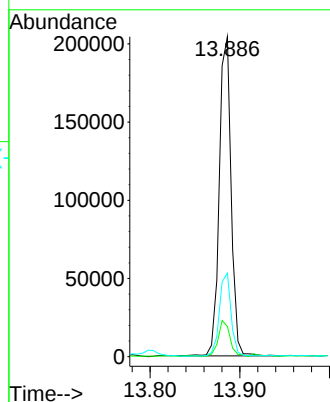
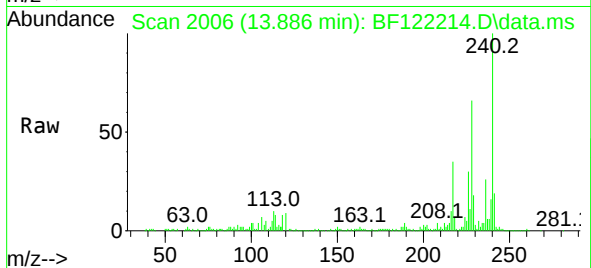




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.886 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

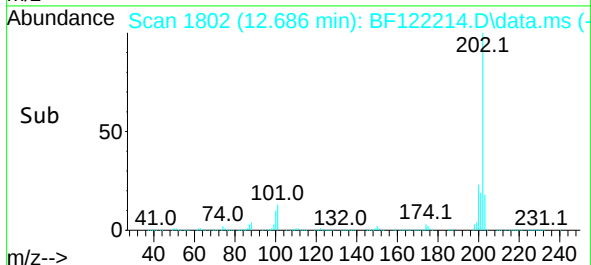
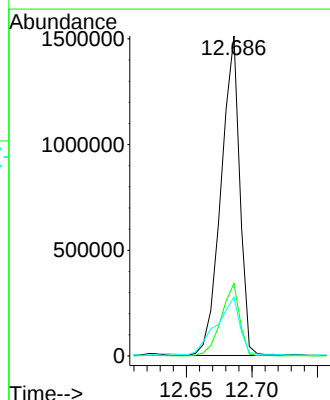
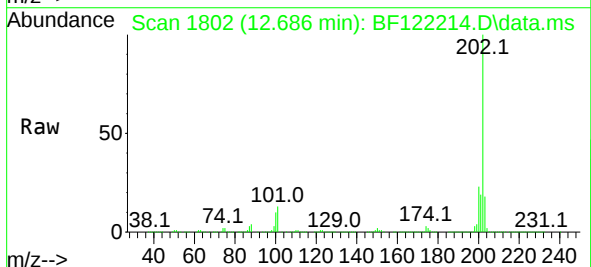
Instrument :
BNA_F
ClientSampled :
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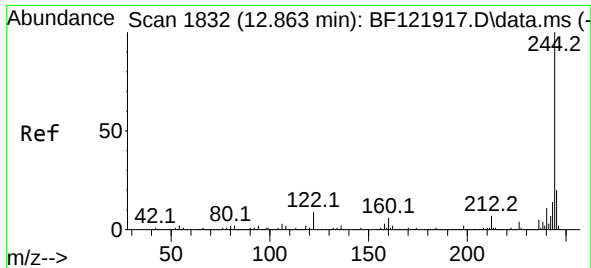
Tgt Ion:240 Resp: 186682
Ion Ratio Lower Upper
240 100
120 9.5 9.2 13.8
236 26.1 20.9 31.3



#78
Pyrene
Concen: 105.11 ng
RT: 12.686 min Scan# 1802
Delta R.T. 0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

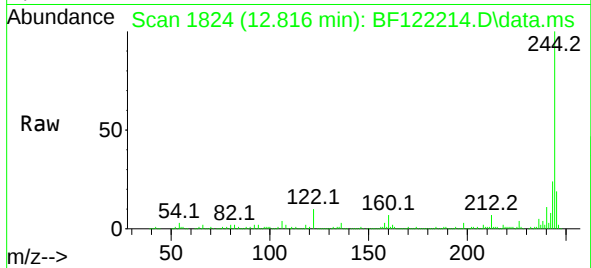
Tgt Ion:202 Resp: 1495320
Ion Ratio Lower Upper
202 100
200 22.6 17.4 26.2
203 18.3 14.6 21.8



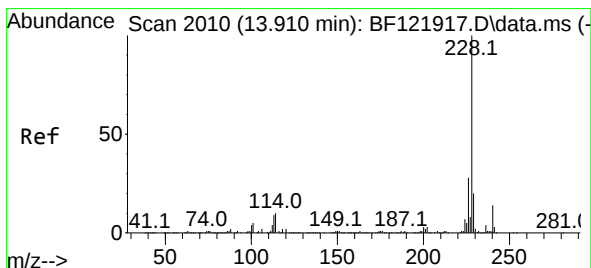
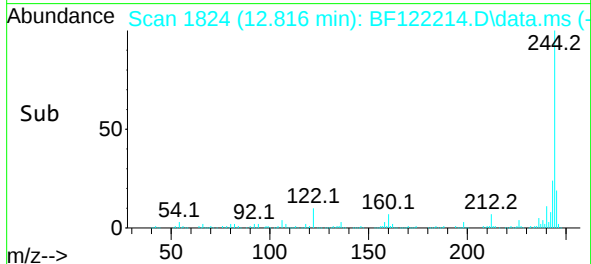
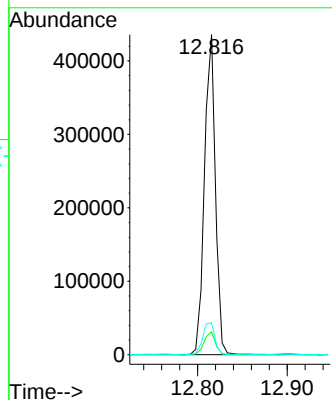


#79
 Terphenyl-d14
 Concen: 37.69 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: BF122214.D
 Acq: 31 Oct 2020 11:11

Instrument :
 BNA_F
 ClientSampled :
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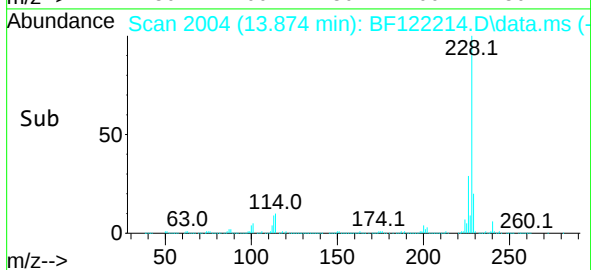
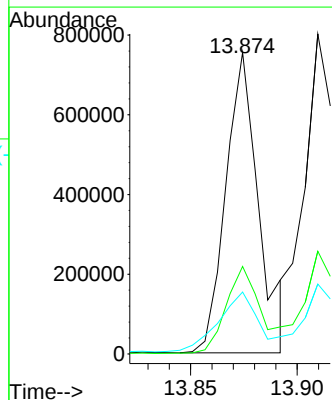
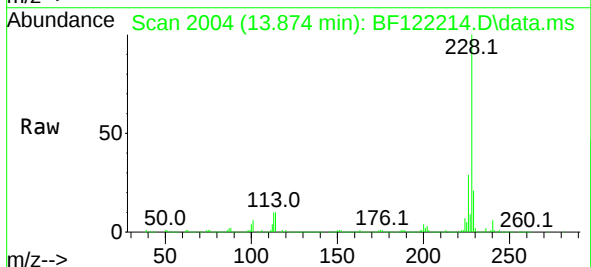


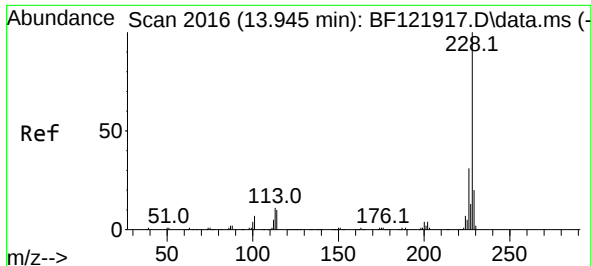
Tgt Ion:244 Resp: 369201
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 10.0 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 66.23 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: BF122214.D
 Acq: 31 Oct 2020 11:11

Tgt Ion:228 Resp: 810216
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.3 33.5
 229 20.5 16.2 24.4

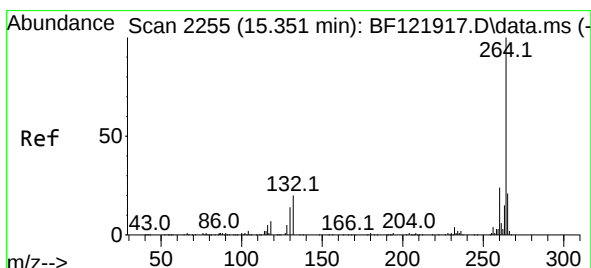
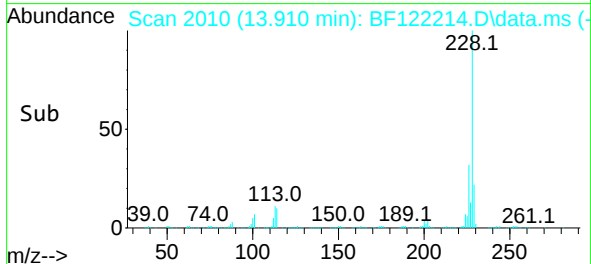
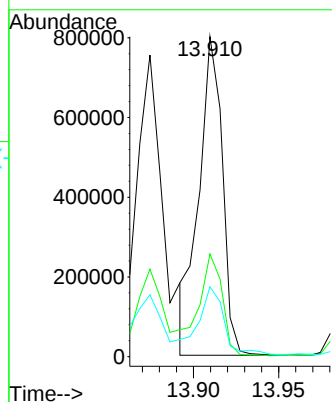
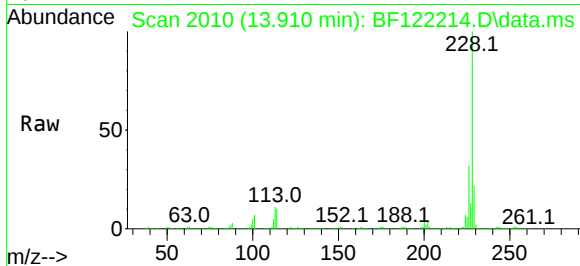




#83
Chrysene
Concen: 63.69 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

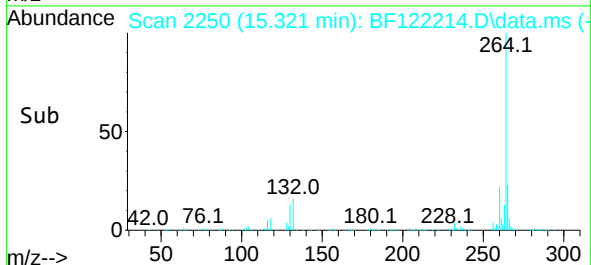
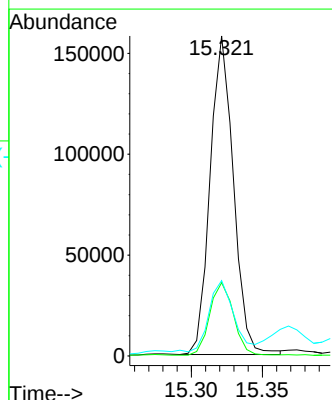
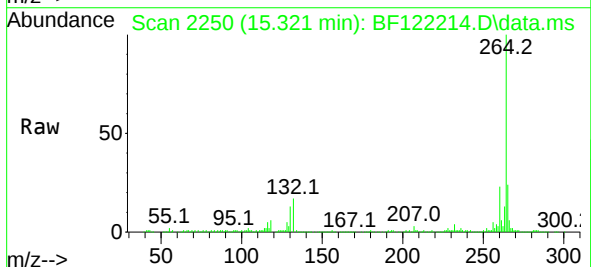
Instrument :
BNA_F
ClientSampled :
S-5

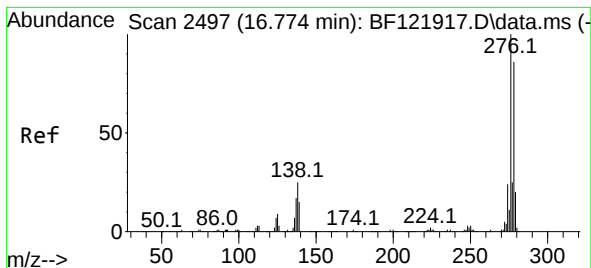
Tgt Ion:228 Resp: 764901
Ion Ratio Lower Upper
228 100
226 32.1 24.6 37.0
229 21.8 15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.321 min Scan# 2250
Delta R.T. 0.018 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:264 Resp: 180428
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 23.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.14 ng

RT: 16.586 min Scan# 2465

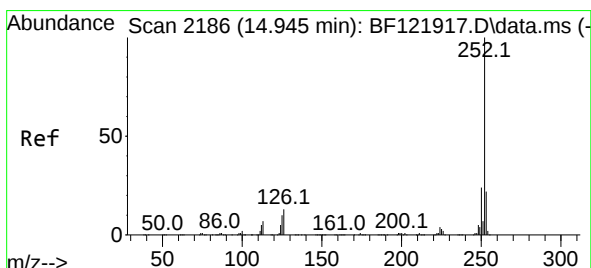
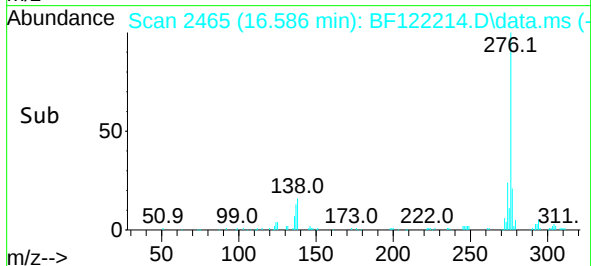
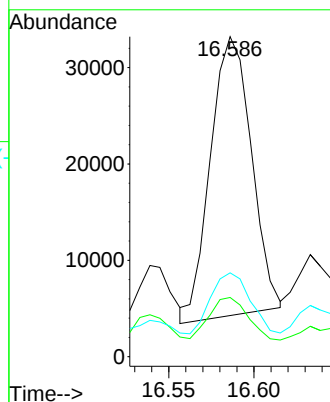
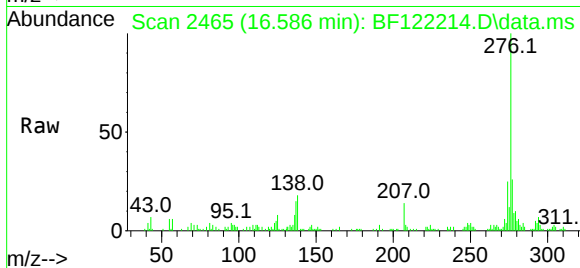
Delta R.T. -0.129 min

Lab File: BF122214.D

Acq: 31 Oct 2020 11:11

Tgt Ion:276	Resp:	48516
Ion Ratio	Lower	Upper
276	100	
138	20.6	19.9 29.9
277	27.4	20.4 30.6

Instrument :
BNA_F
ClientSampleId :
S-5



#88

Benzo(b)fluoranthene

Concen: 110.40 ng

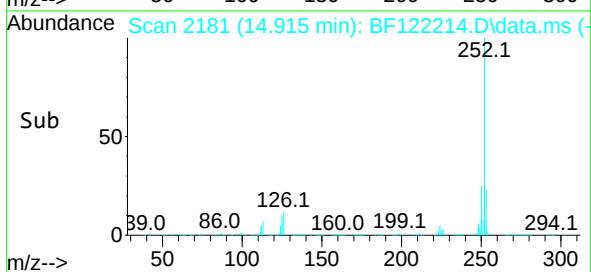
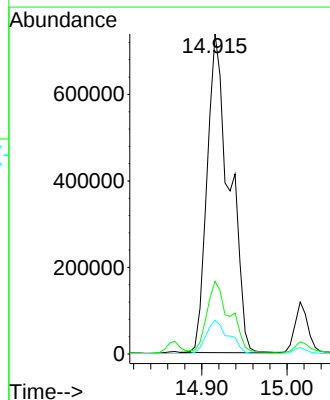
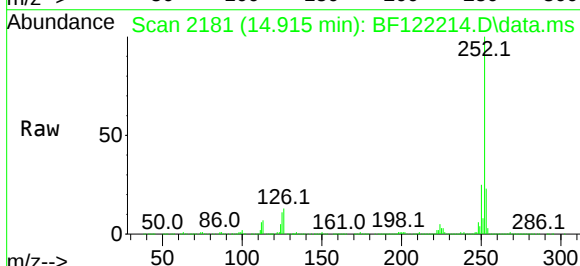
RT: 14.915 min Scan# 2181

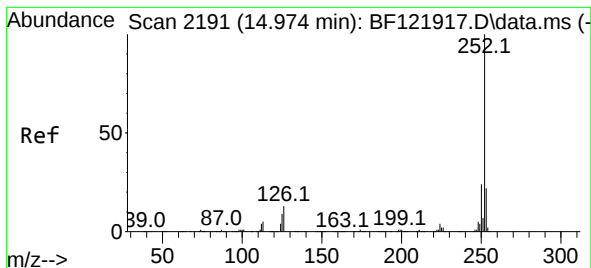
Delta R.T. 0.018 min

Lab File: BF122214.D

Acq: 31 Oct 2020 11:11

Tgt Ion:252	Resp:	1346519
Ion Ratio	Lower	Upper
252	100	
253	22.8	18.2 27.2
125	10.6	8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 116.22 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF122214.D

Acq: 31 Oct 2020 11:11

Tgt Ion:252 Resp: 1346519

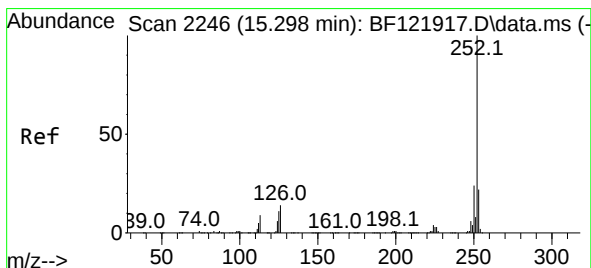
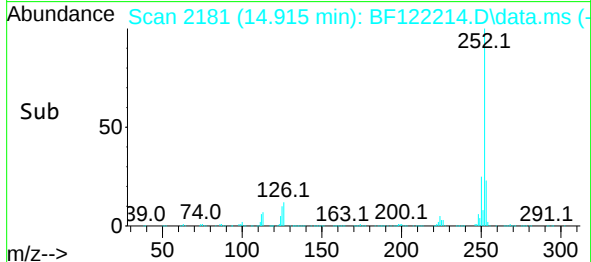
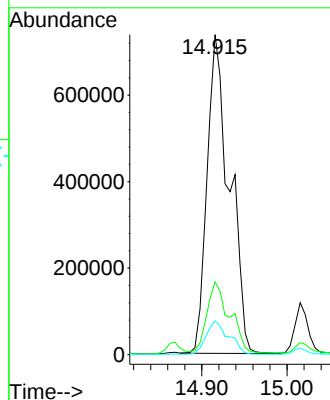
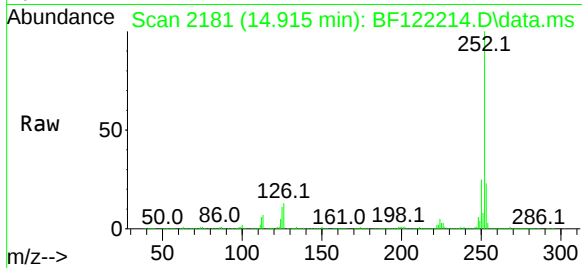
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	10.6	7.7	11.5

Instrument :

BNA_F

ClientSampled :

S-5



#90

Benzo(a)pyrene

Concen: 63.37 ng

RT: 15.268 min Scan# 2241

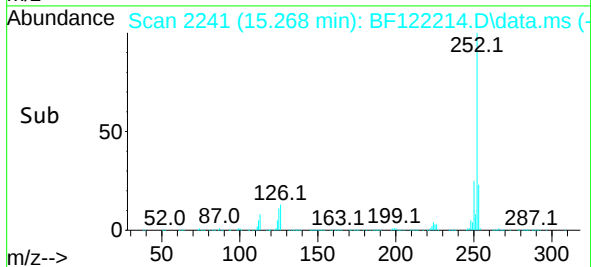
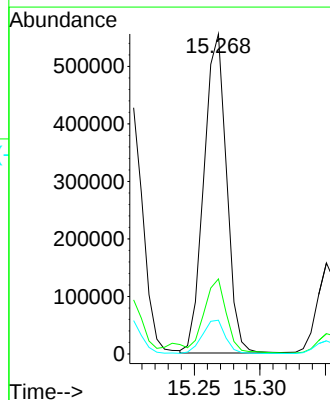
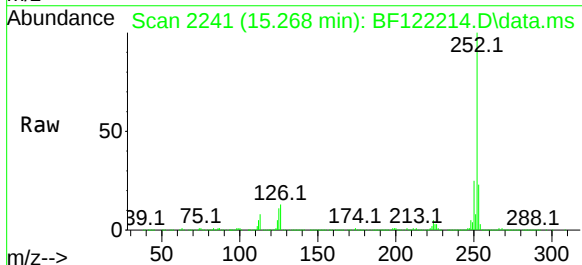
Delta R.T. 0.018 min

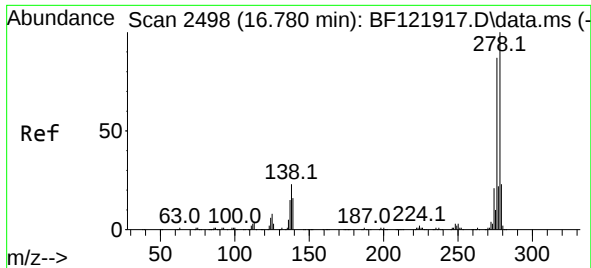
Lab File: BF122214.D

Acq: 31 Oct 2020 11:11

Tgt Ion:252 Resp: 667560

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	10.6	8.6	13.0

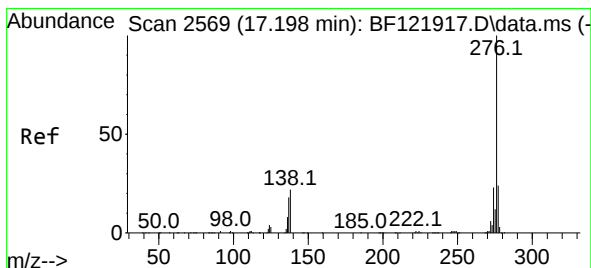
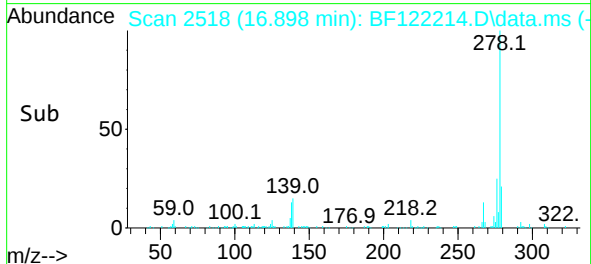
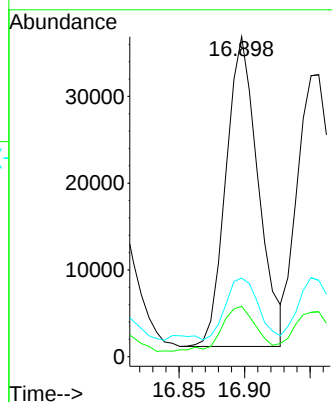
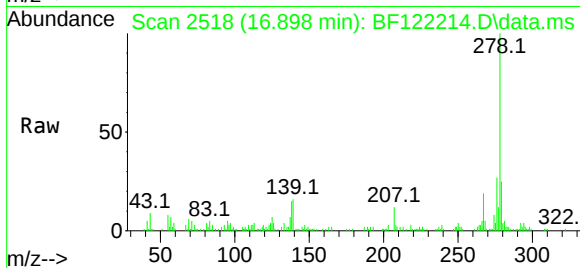




#91
Dibenzo(a,h)anthracene
Concen: 6.34 ng
RT: 16.898 min Scan# 2518
Delta R.T. 0.182 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Instrument :
BNA_F
ClientSampled :
S-5

Tgt Ion:278 Resp: 61144
Ion Ratio Lower Upper
278 100
139 15.7 13.0 19.4
279 24.6 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 40.29 ng
RT: 17.162 min Scan# 2563
Delta R.T. 0.029 min
Lab File: BF122214.D
Acq: 31 Oct 2020 11:11

Tgt Ion:276 Resp: 388953
Ion Ratio Lower Upper
276 100
277 25.8 19.4 29.2
138 21.5 17.8 26.6

