

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
 Data File : BF122000.D
 Acq On : 15 Oct 2020 19:50
 Operator : JU/CG
 Sample : L4392-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

mohammad

10/16/2020 12:48:01 PM

Quant Time: Oct 16 01:08:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 12:55:05 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	106331	20.00	ng	0.00
21) Naphthalene-d8	8.027	136	417291	20.00	ng	0.00
39) Acenaphthene-d10	9.780	164	194979	20.00	ng	0.00
64) Phenanthrene-d10	11.263	188	320153	20.00	ng	0.00
76) Chrysene-d12	13.904	240	220831	20.00	ng	0.00
86) Perylene-d12	15.339	264	233813	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	660107	91.63	ng	0.00
7) Phenol-d6	6.386	99	840970	90.68	ng	0.00
23) Nitrobenzene-d5	7.310	82	551829	67.82	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	177405	73.55	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	814301	61.45	ng	0.00
79) Terphenyl-d14	12.845	244	580375	50.09	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.045	128	46819	2.09	ng	98
49) Acenaphthylene	9.639	152	95149	5.02	ng	# 93
50) Dimethylphthalate	9.498	163	182597	12.81	ng	100
52) Acenaphthene	9.810	154	147509	13.10	ng	96
58) Fluorene	10.327	166	91064	6.86	ng	98
71) Phenanthrene	11.286	178	104228m	5.94	ng	
72) Anthracene	11.339	178	149008	8.18	ng	98
75) Fluoranthene	12.480	202	466582	24.79	ng	97
78) Pyrene	12.710	202	651506	38.71	ng	99
81) Benzo(a)anthracene	13.892	228	245362	16.96	ng	94
83) Chrysene	13.927	228	220617	15.53	ng	97
87) Indeno(1,2,3-cd)pyrene	16.750	276	84277	5.55	ng	95
88) Benzo(b)fluoranthene	14.933	252	184942m	11.70	ng	
89) Benzo(k)fluoranthene	14.956	252	67680m	4.51	ng	
90) Benzo(a)pyrene	15.280	252	180225	13.20	ng	98
91) Dibenzo(a,h)anthracene	16.756	278	25459m	2.04	ng	
92) Benzo(g,h,i)perylene	17.180	276	84071	6.72	ng	99

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

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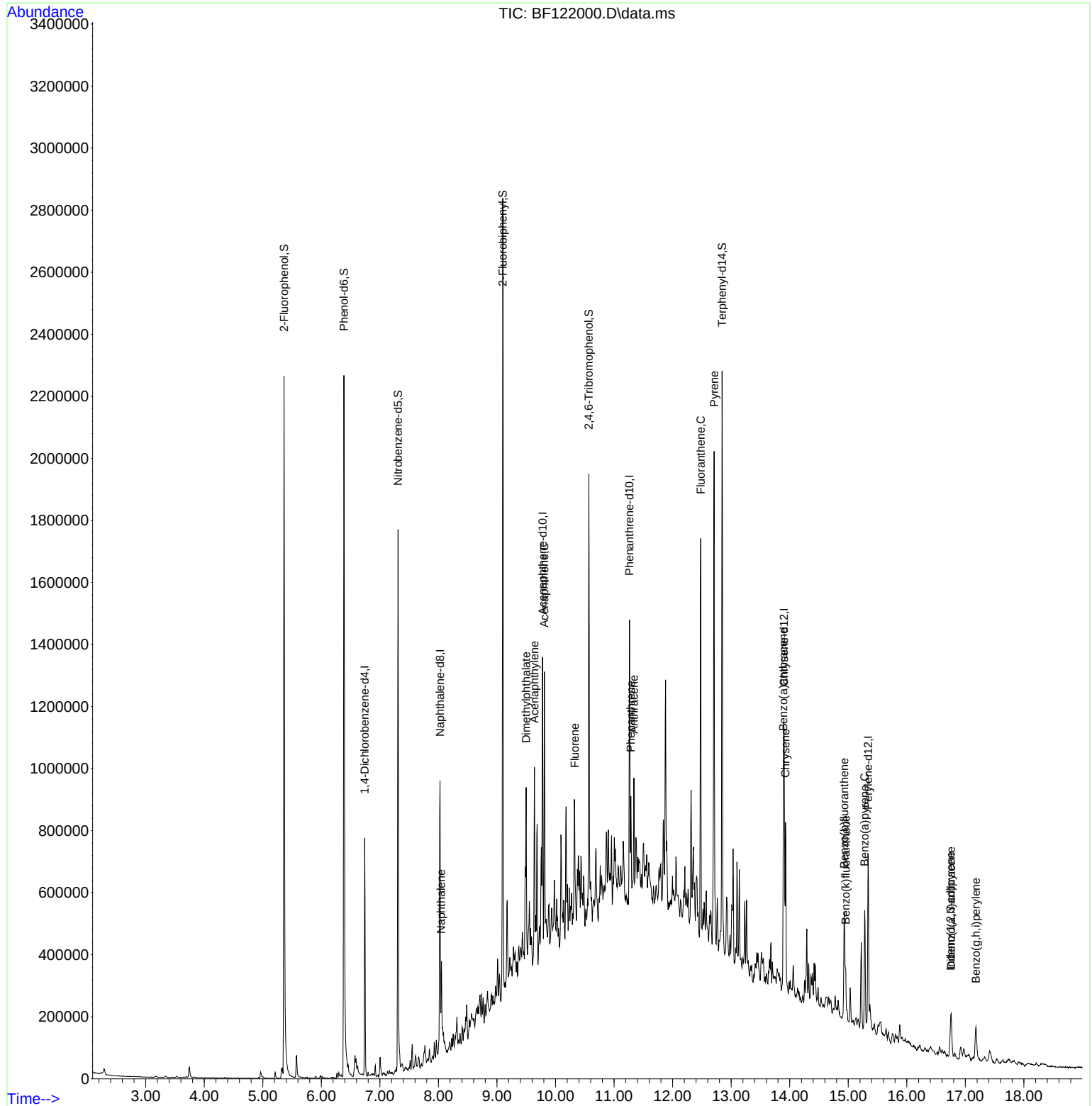
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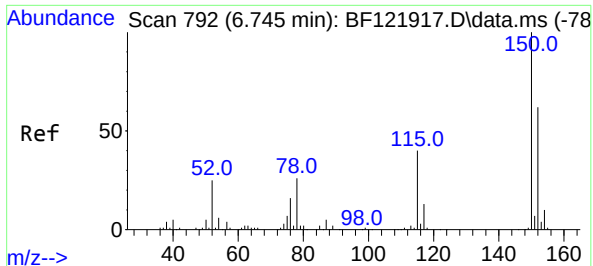
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Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

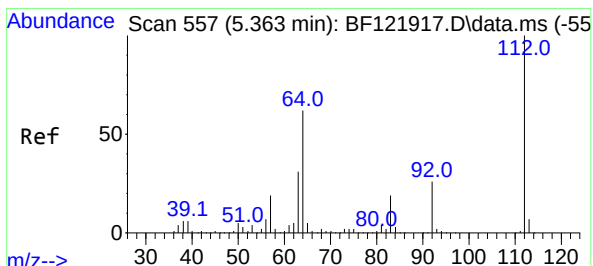
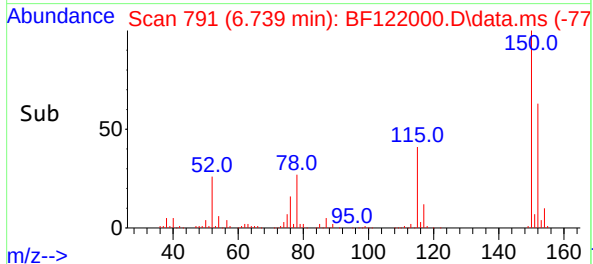
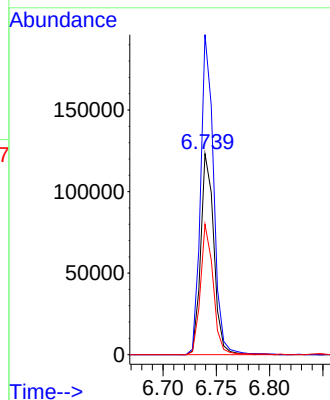
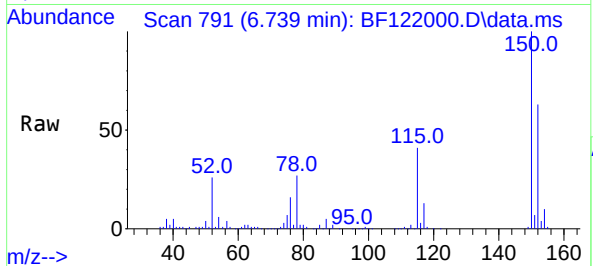
Tgt Ion:152 Resp: 106331
Ion Ratio Lower Upper
152 100
150 159.2 125.3 187.9
115 64.8 51.9 77.9

Instrument :
BNA_F
ClientSampled :
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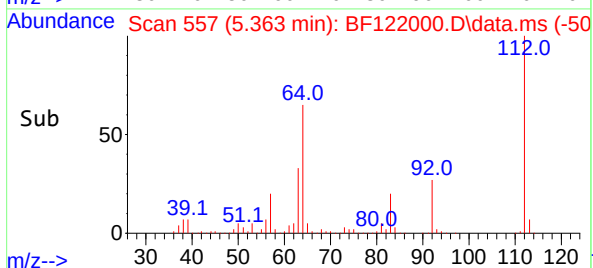
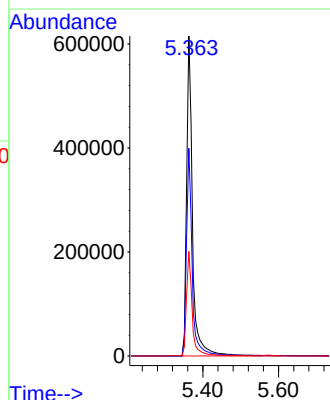
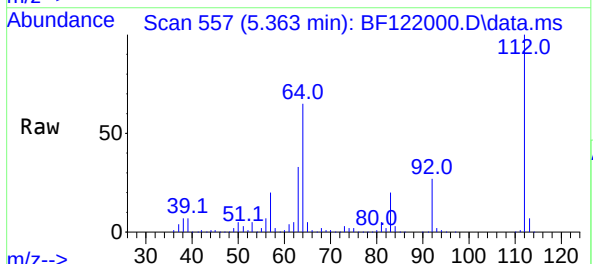
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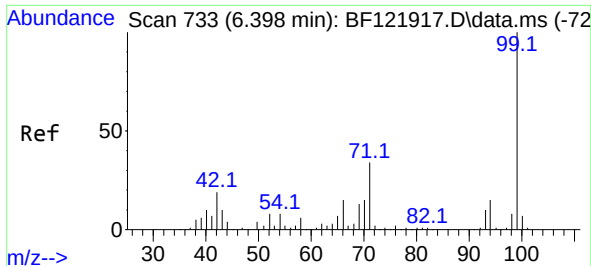
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#5
2-Fluorophenol
Concen: 91.63 ng
RT: 5.363 min Scan# 557
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:112 Resp: 660107
Ion Ratio Lower Upper
112 100
64 64.9 50.4 75.6
63 32.7 25.8 38.6





#7
Phenol-d6
Concen: 90.68 ng
RT: 6.386 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

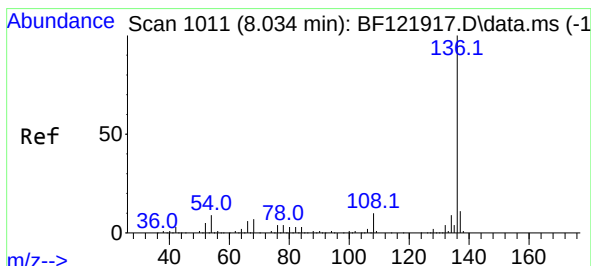
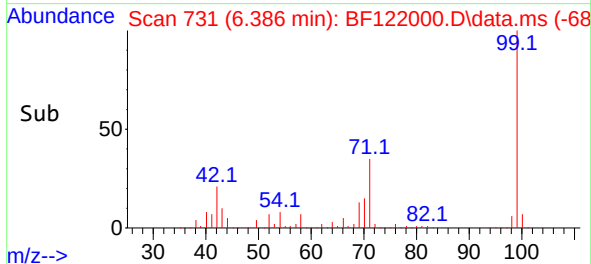
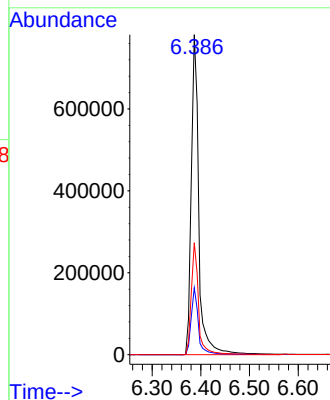
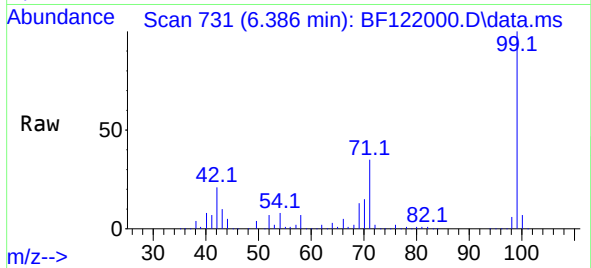
Tgt Ion: 99 Resp: 840970
Ion Ratio Lower Upper
99 100
42 20.9 15.9 23.9
71 35.0 27.1 40.7

Instrument :
BNA_F
ClientSampled :
TP-2

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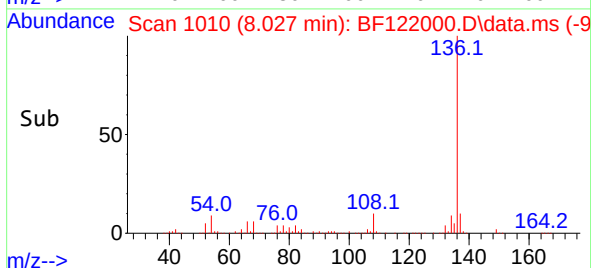
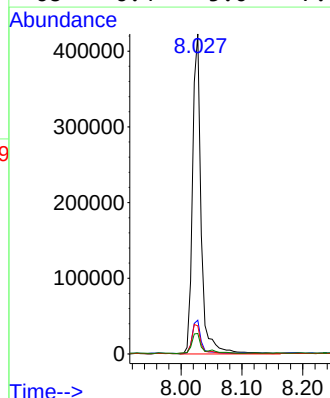
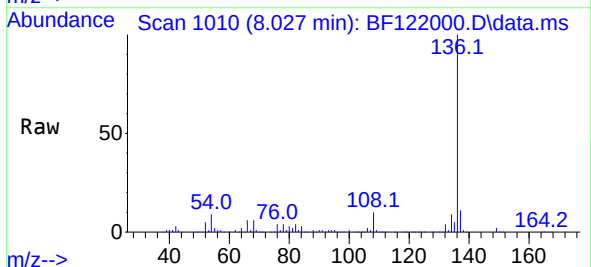
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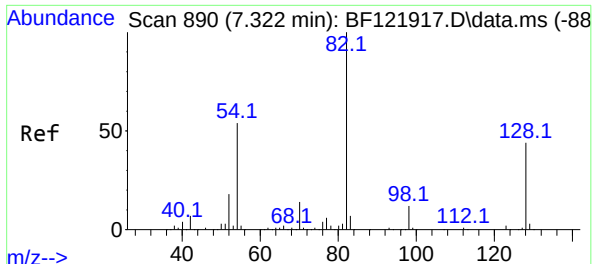
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.027 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion: 136 Resp: 417291
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.8 7.1 10.7
68 6.4 5.0 7.4





#23
Nitrobenzene-d5
Concen: 67.82 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

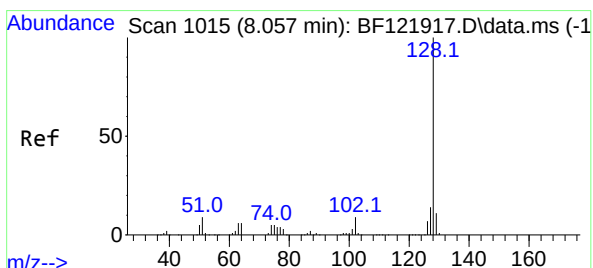
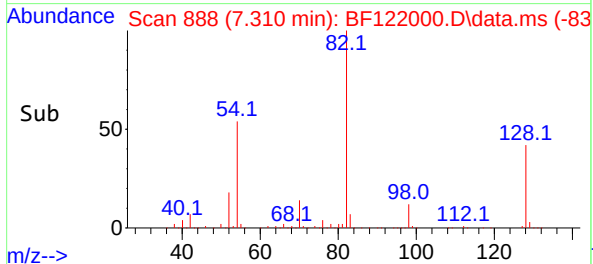
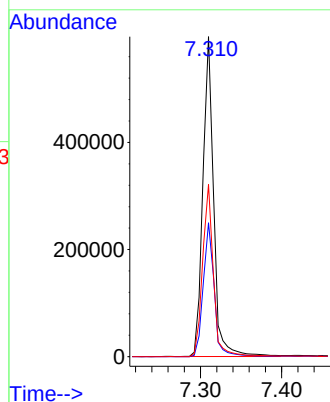
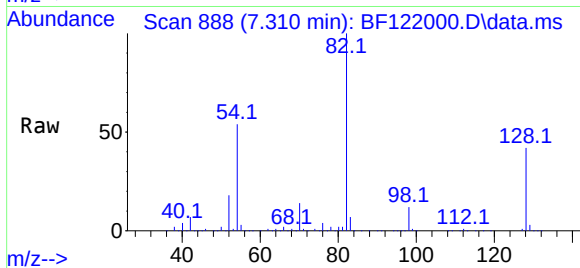
Tgt Ion: 82 Resp: 551829
Ion Ratio Lower Upper
82 100
128 41.9 35.0 52.4
54 53.8 43.9 65.9

Instrument :
BNA_F
ClientSampled :
TP-2

Manual Integrations
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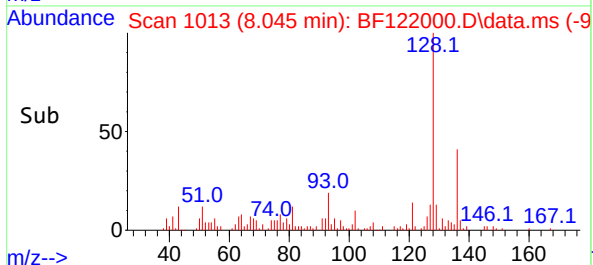
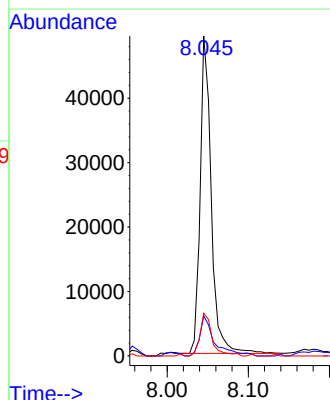
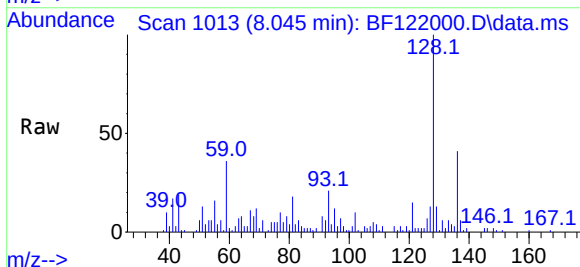
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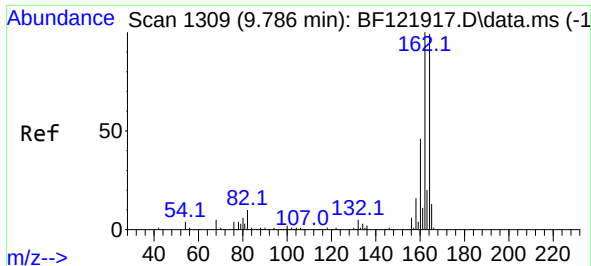
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#31
Naphthalene
Concen: 2.09 ng
RT: 8.045 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion: 128 Resp: 46819
Ion Ratio Lower Upper
128 100
129 12.5 8.7 13.1
127 13.4 10.8 16.2





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

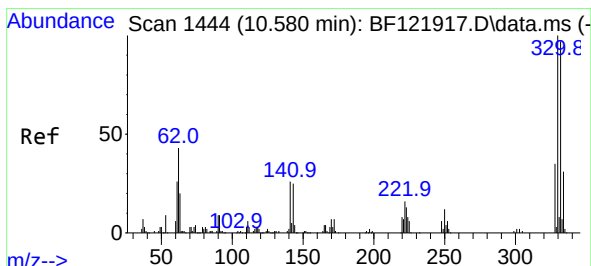
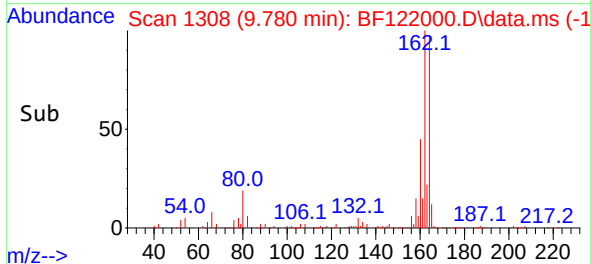
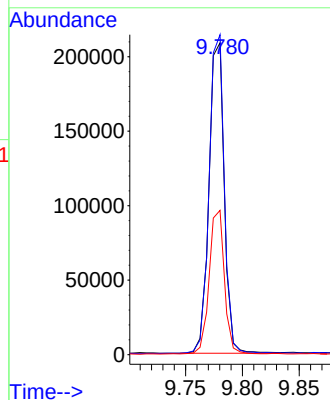
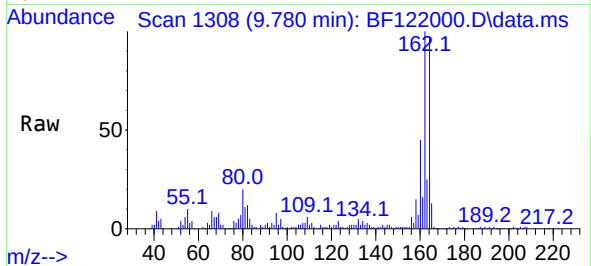
Tgt Ion:	164	Resp:	194979
Ion	Ratio	Lower	Upper
164	100		
162	102.6	83.2	124.8
160	46.3	37.5	56.3

Instrument :
BNA_F
ClientSampled :
TP-2

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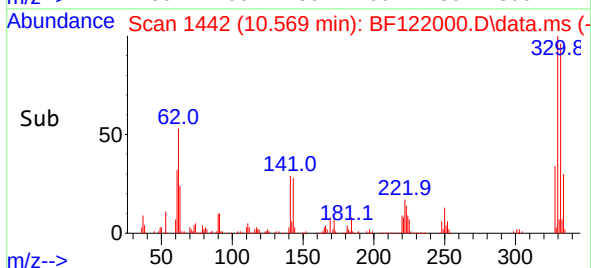
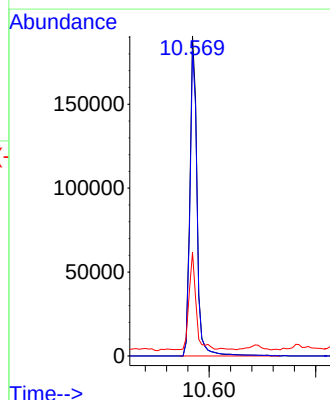
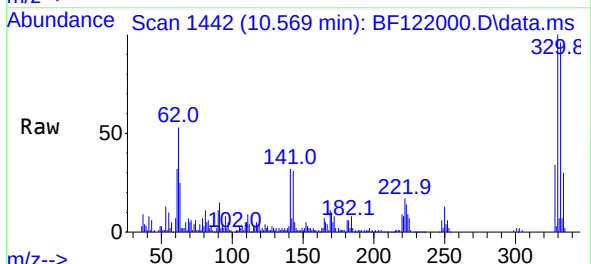
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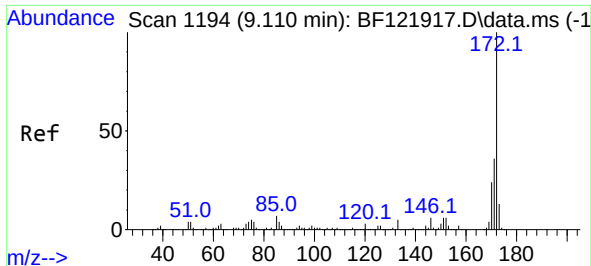
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#42
2,4,6-Tribromophenol
Concen: 73.55 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:	330	Resp:	177405
Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	29.7	22.3	33.5





#45
2-Fluorobiphenyl
Concen: 61.45 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

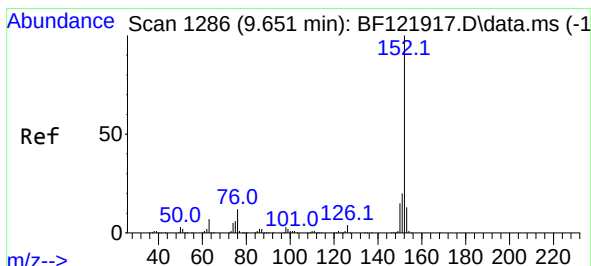
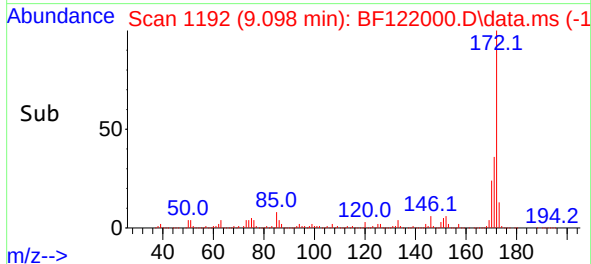
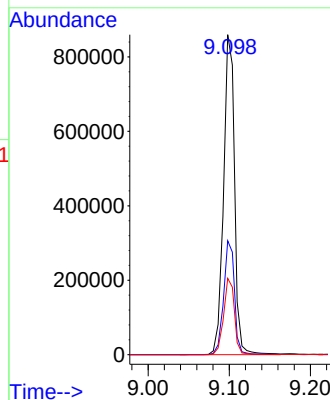
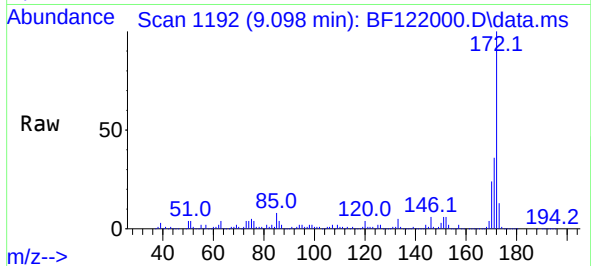
Tgt Ion:172 Resp: 814301
Ion Ratio Lower Upper
172 100
171 35.6 29.1 43.7
170 23.9 19.8 29.6

Instrument :
BNA_F
ClientSampled :
TP-2

Manual Integrations
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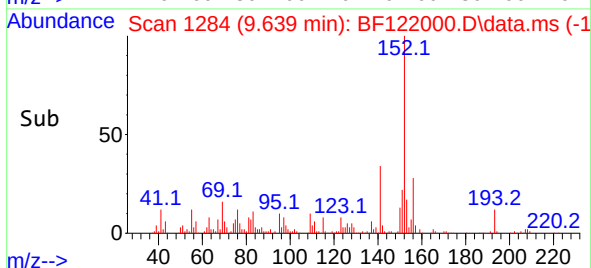
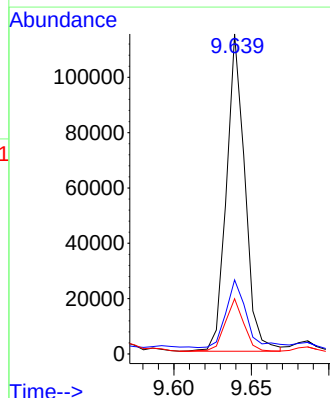
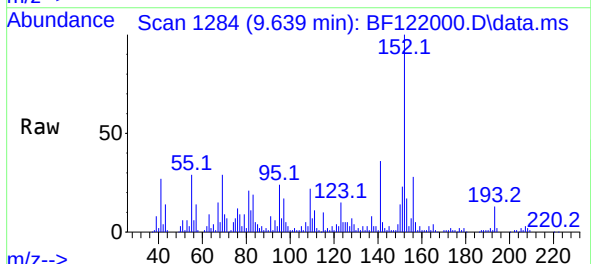
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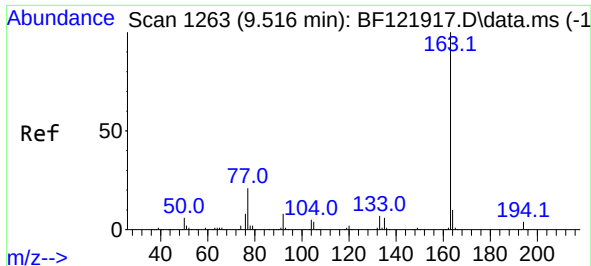
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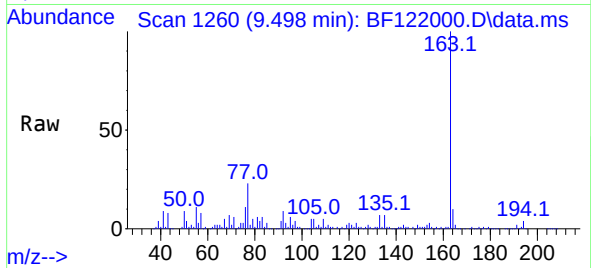
#49
Acenaphthylene
Concen: 5.02 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:152 Resp: 95149
Ion Ratio Lower Upper
152 100
151 23.1 16.4 24.6
153 17.2 10.6 15.8#

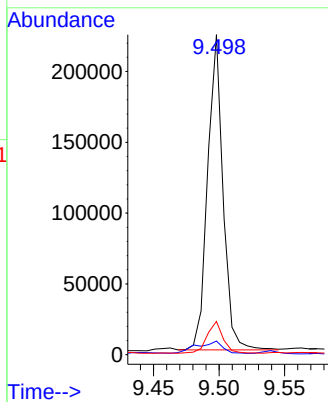
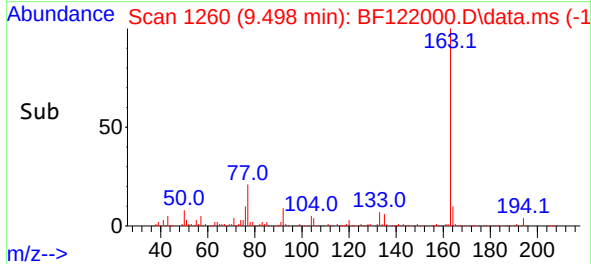




#50
Dimethylphthalate
Concen: 12.81 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50



Tgt Ion:163 Resp: 182597
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.4 8.2 12.4

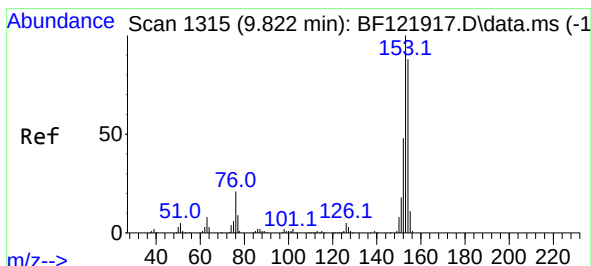


Instrument :
BNA_F
ClientSampled :
TP-2

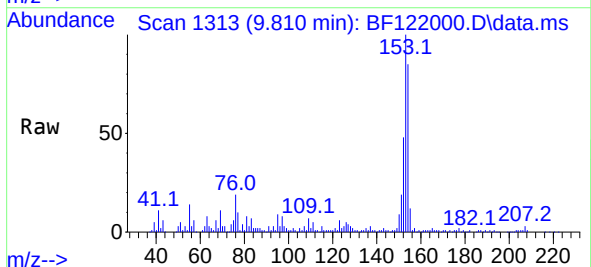
Manual Integrations
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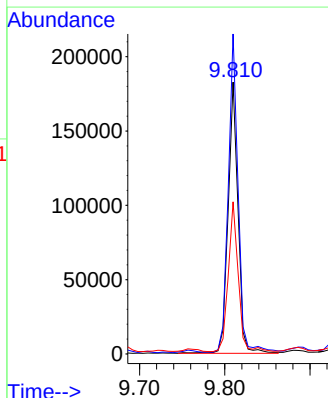
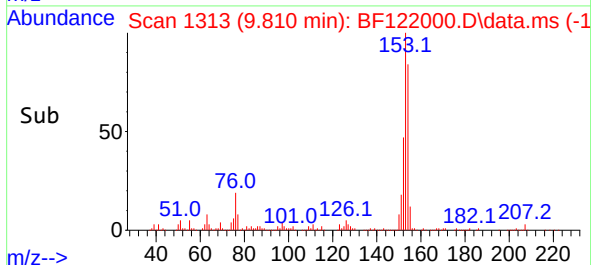
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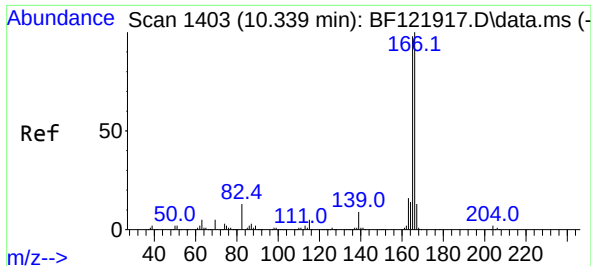


#52
Acenaphthene
Concen: 13.10 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

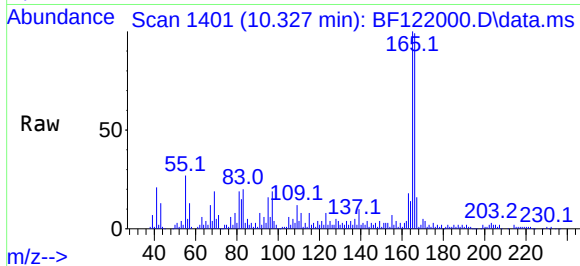


Tgt Ion:154 Resp: 147509
Ion Ratio Lower Upper
154 100
153 117.7 89.8 134.8
152 56.0 43.2 64.8

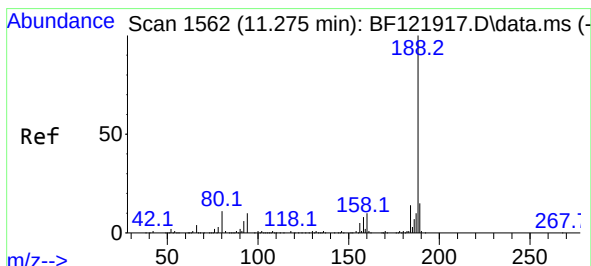
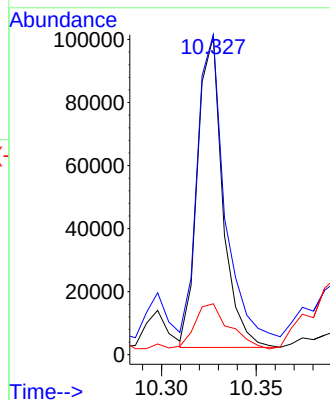
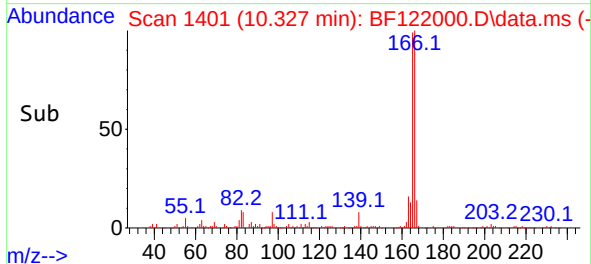




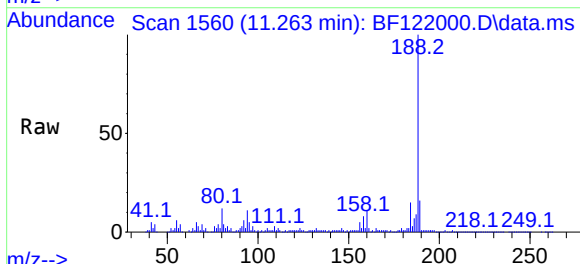
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Fluorene
Concen: 6.86 ng
RT: 10.327 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50



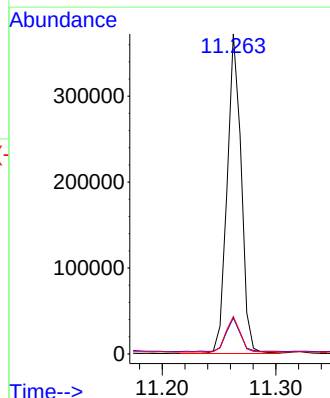
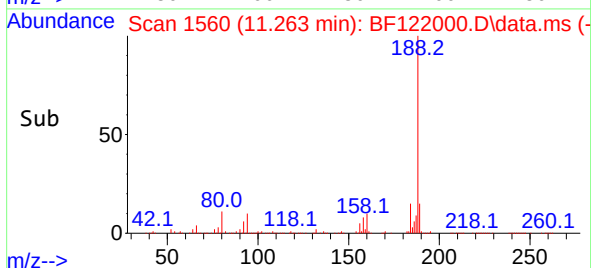
Tgt Ion:166 Resp: 91064
Ion Ratio Lower Upper
166 100
165 100.5 79.1 118.7
167 16.0 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50



Tgt Ion:188 Resp: 320153
Ion Ratio Lower Upper
188 100
94 11.2 8.3 12.5
80 11.7 9.1 13.7

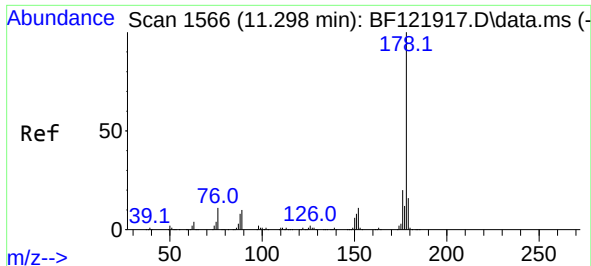


Instrument :
BNA_F
ClientSampled :
TP-2

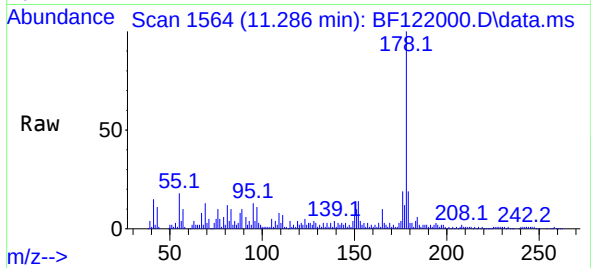
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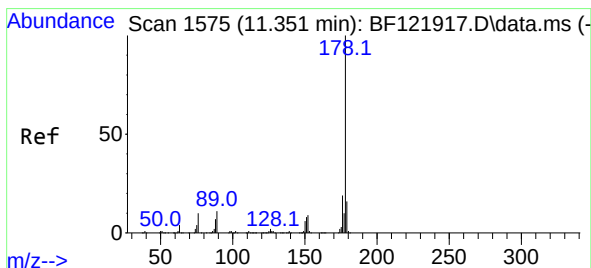
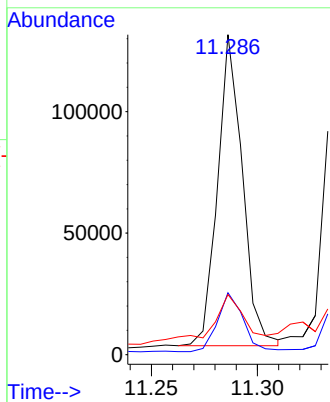
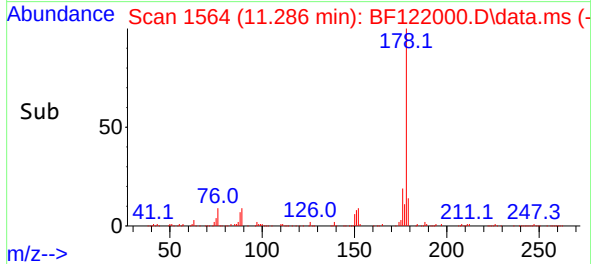
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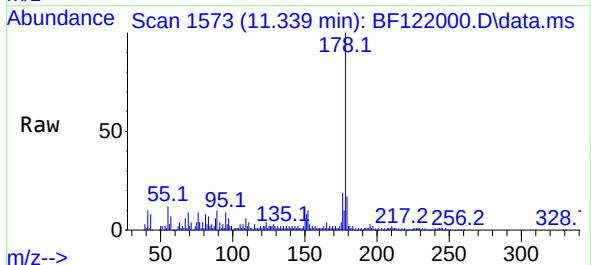
#71
Phenanthrene
Concen: 5.94 ng m
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50



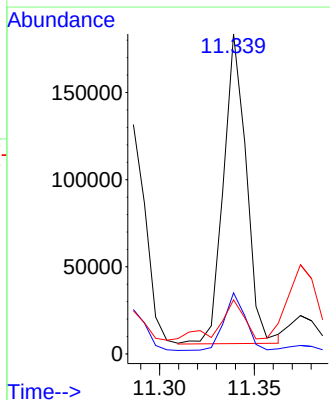
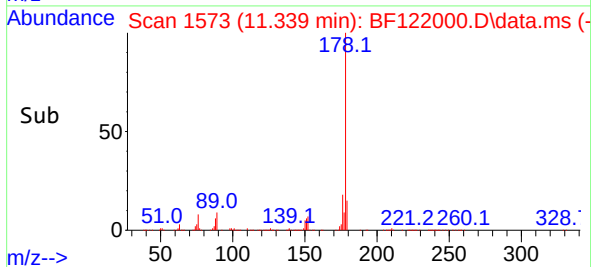
Tgt Ion:178 Resp: 104228
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 18.8 12.2 18.4#



#72
Anthracene
Concen: 8.18 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50



Tgt Ion:178 Resp: 149008
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 16.9 12.7 19.1

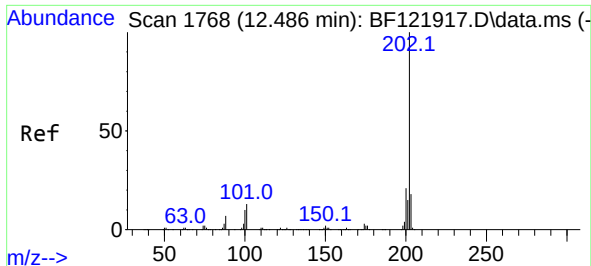


Instrument :
BNA_F
ClientSampled :
TP-2

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#75
Fluoranthene
Concen: 24.79 ng
RT: 12.480 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

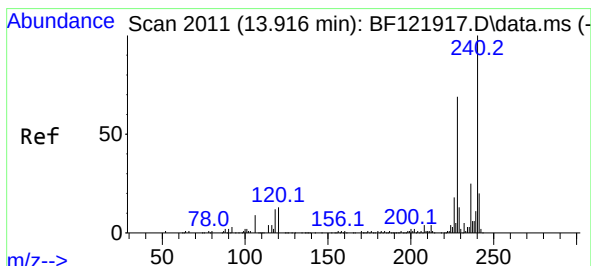
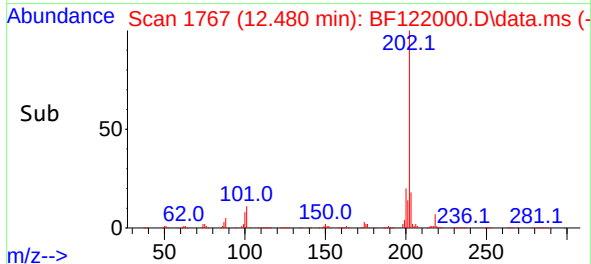
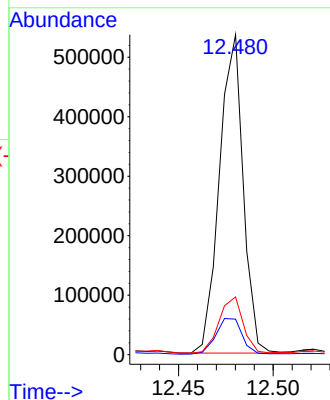
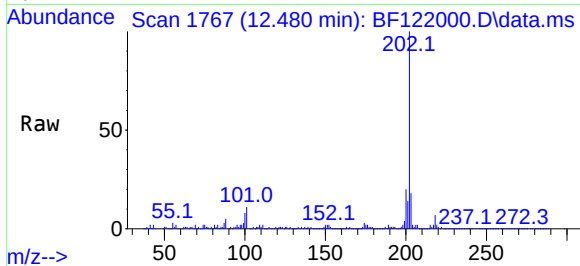
Tgt Ion:202 Resp: 466582
Ion Ratio Lower Upper
202 100
101 11.1 0.0 33.4
203 18.0 0.0 37.9

Instrument :
BNA_F
ClientSampled :
TP-2

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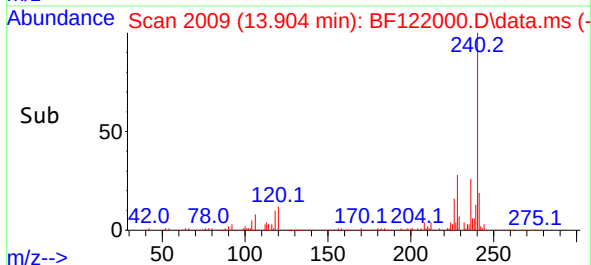
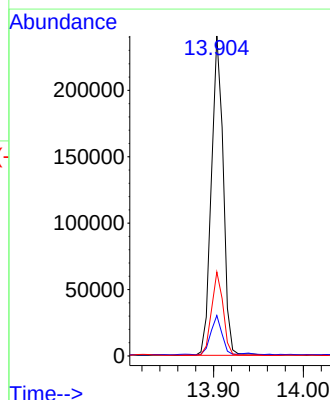
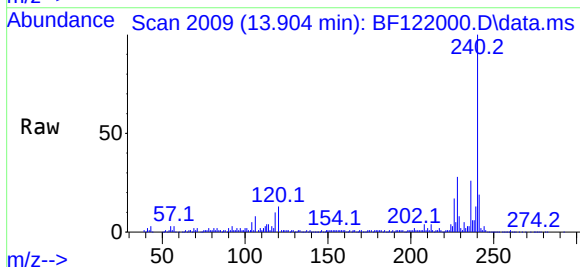
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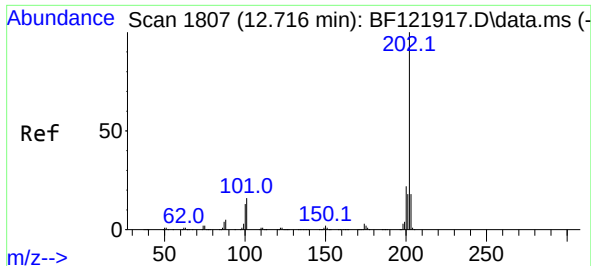
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:240 Resp: 220831
Ion Ratio Lower Upper
240 100
120 12.7 9.2 13.8
236 26.3 20.9 31.3





#78
Pyrene
Concen: 38.71 ng
RT: 12.710 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

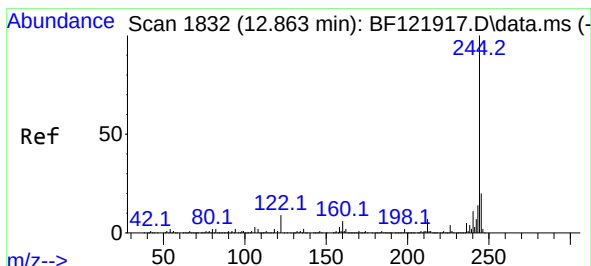
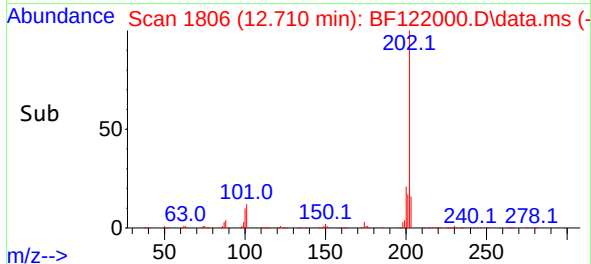
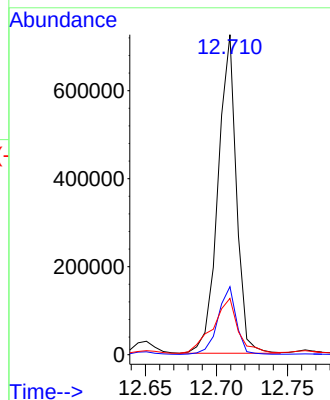
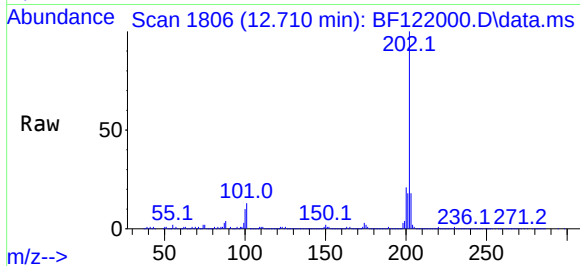
Tgt Ion:	202	Resp:	651506
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.6	14.6	21.8

Instrument :
BNA_F
ClientSampled :
TP-2

Manual Integrations
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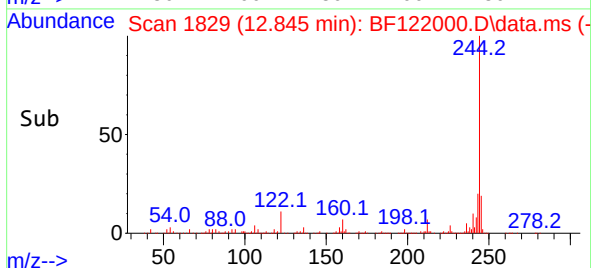
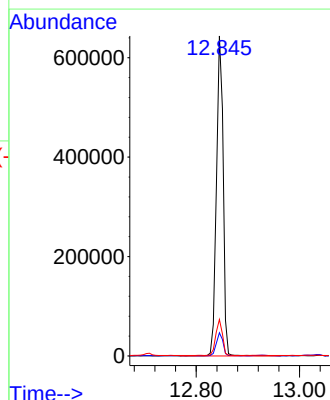
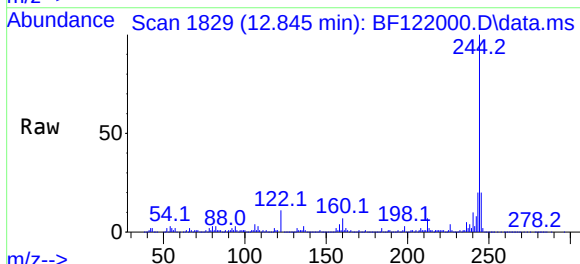
mohammad

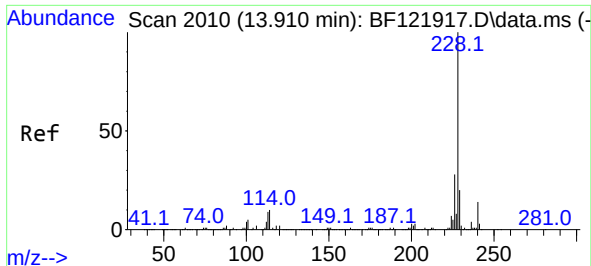
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#79
Terphenyl-d14
Concen: 50.09 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:	244	Resp:	580375
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.2
122	11.4	8.1	12.1





#81
Benzo(a)anthracene
Concen: 16.96 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

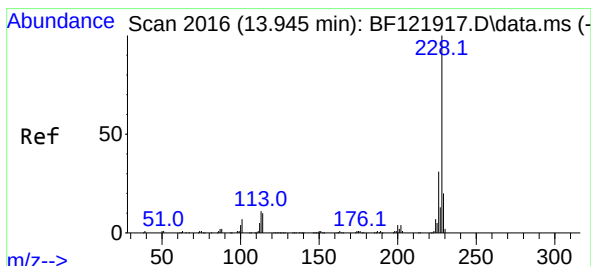
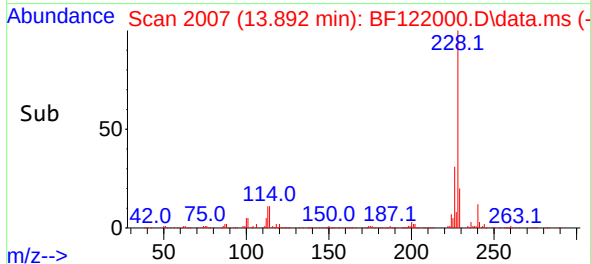
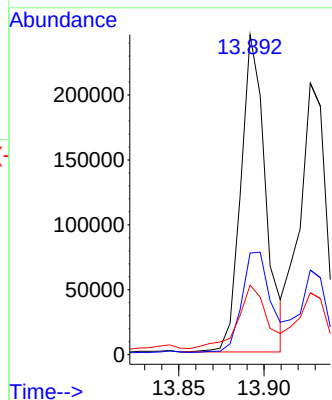
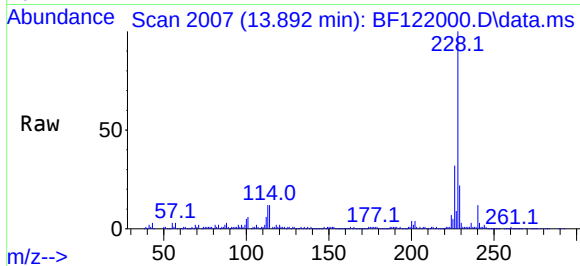
Tgt Ion:228 Resp: 245362
Ion Ratio Lower Upper
228 100
226 31.7 22.3 33.5
229 21.8 16.2 24.4

Instrument :
BNA_F
ClientSampled :
TP-2

Manual Integrations
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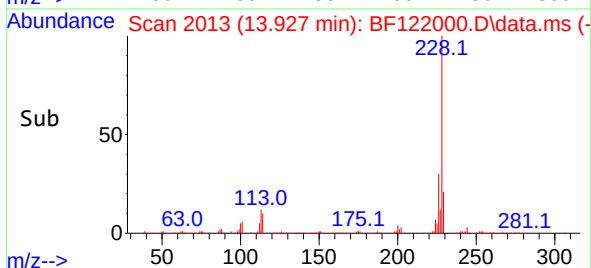
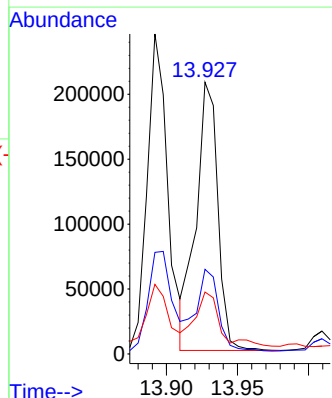
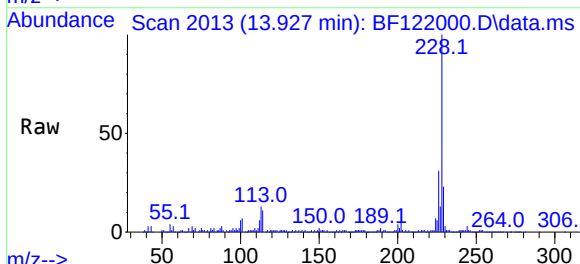
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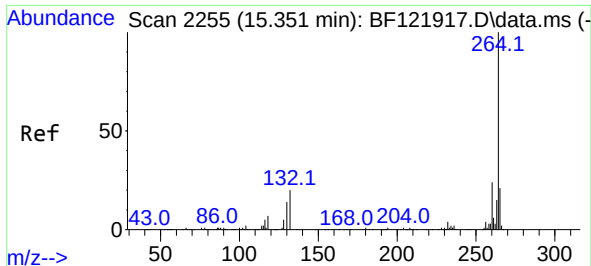
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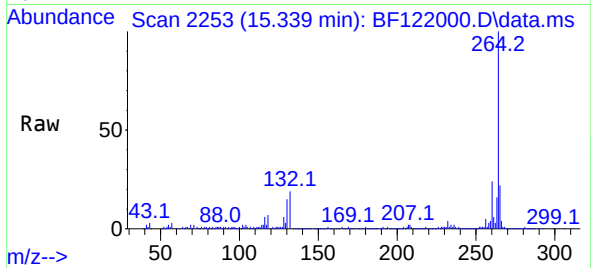
#83
Chrysene
Concen: 15.53 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:228 Resp: 220617
Ion Ratio Lower Upper
228 100
226 31.2 24.6 37.0
229 22.8 15.9 23.9

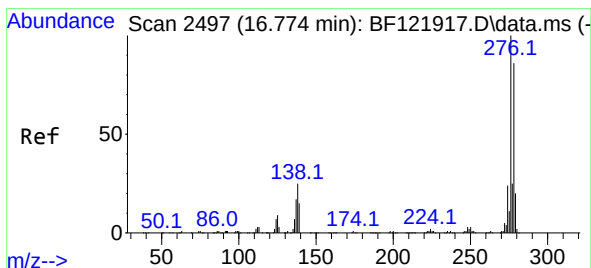
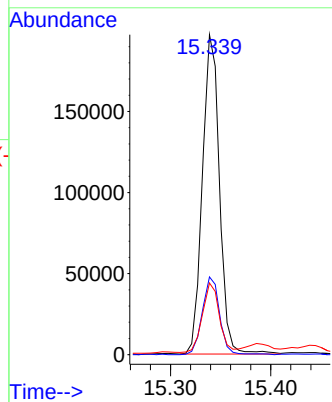
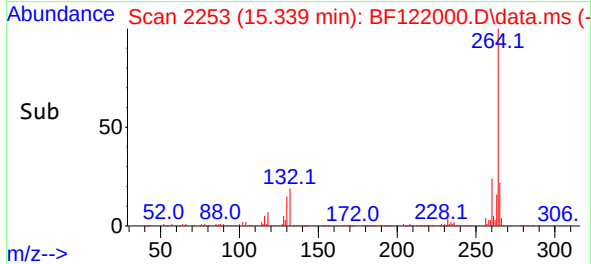




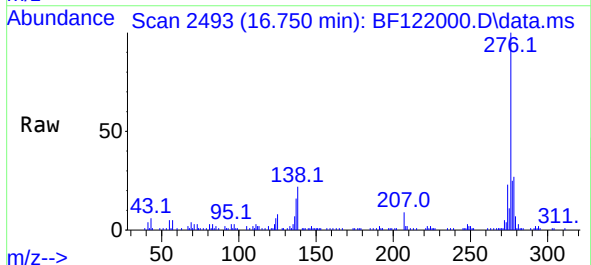
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50



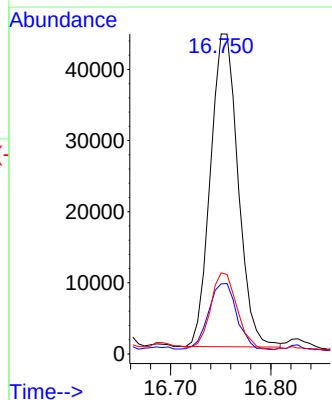
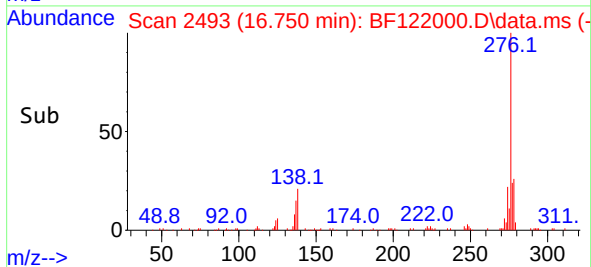
Tgt Ion:264 Resp: 233813
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 22.4 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.55 ng
RT: 16.750 min Scan# 2493
Delta R.T. -0.012 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50



Tgt Ion:276 Resp: 84277
Ion Ratio Lower Upper
276 100
138 21.9 19.9 29.9
277 23.5 20.4 30.6

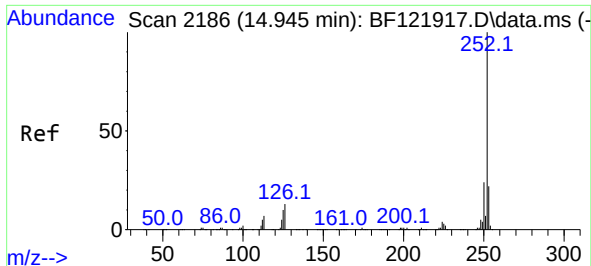


Instrument :
BNA_F
ClientSampled :
TP-2

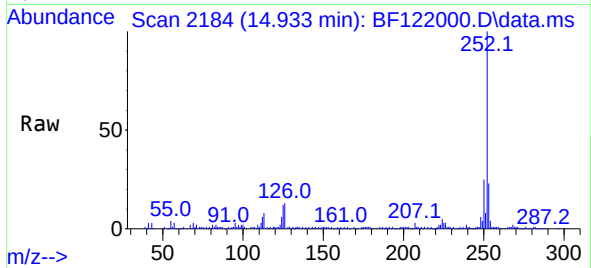
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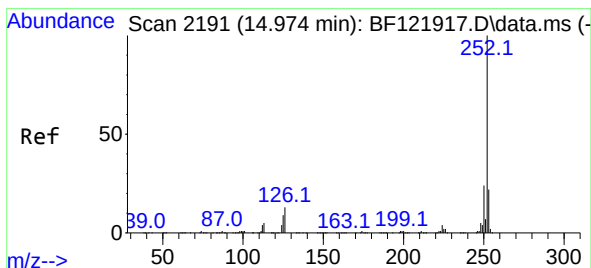
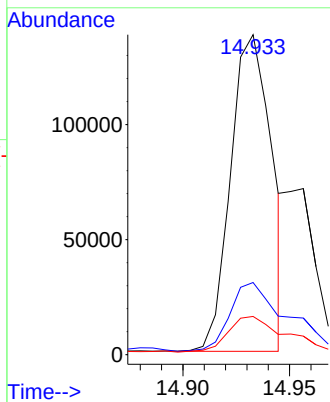
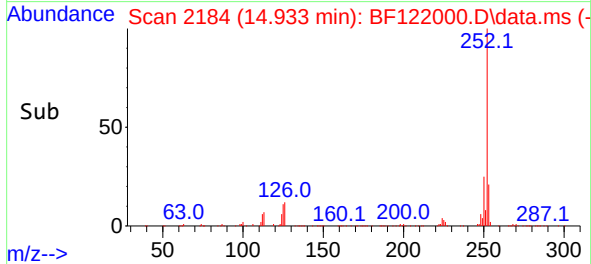
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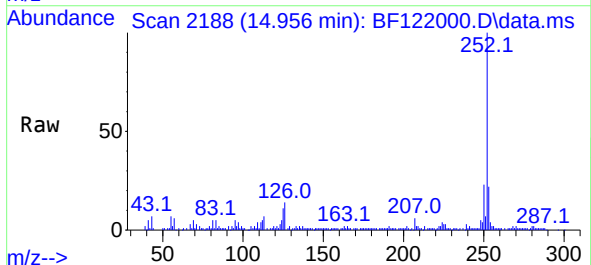
#88
Benzo(b)fluoranthene
Concen: 11.70 ng m
RT: 14.933 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50



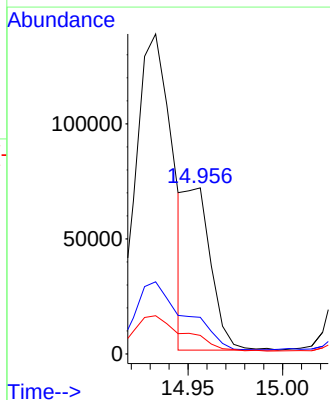
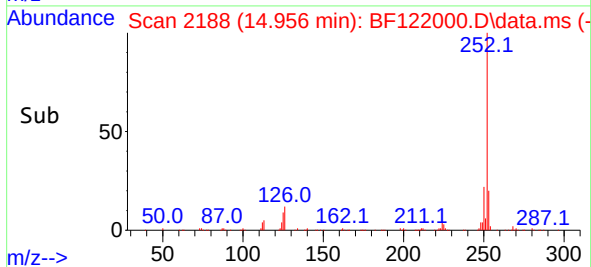
Tgt Ion:252 Resp: 184942
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 12.0 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 4.51 ng m
RT: 14.956 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50



Tgt Ion:252 Resp: 67680
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 11.2 7.7 11.5

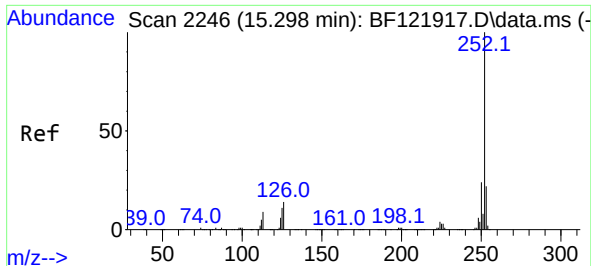


Instrument :
BNA_F
ClientSampled :
TP-2

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#90
Benzo(a)pyrene
Concen: 13.20 ng
RT: 15.280 min Scan# 2243
Delta R.T. -0.006 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

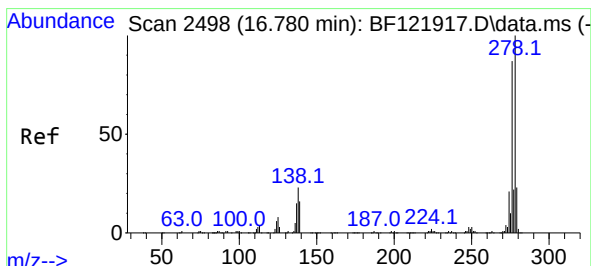
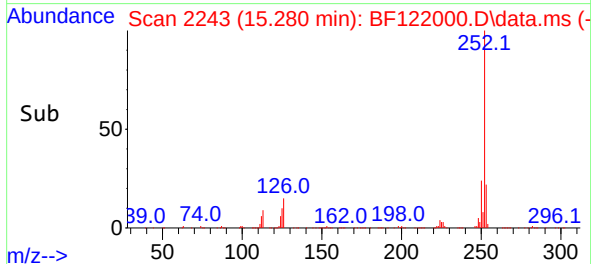
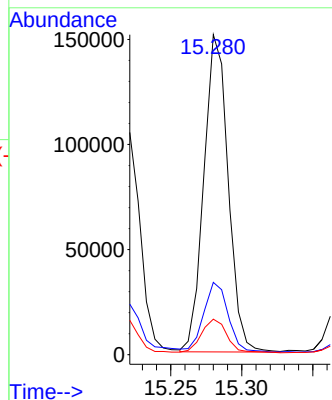
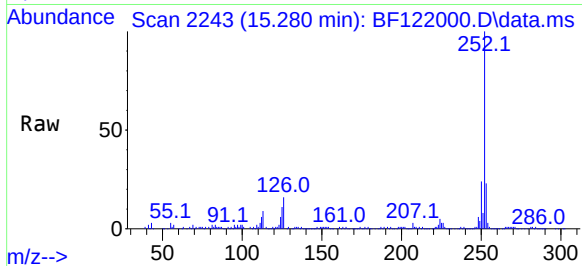
Tgt Ion:252 Resp: 180225
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 11.1 8.6 13.0

Instrument :
BNA_F
ClientSampled :
TP-2

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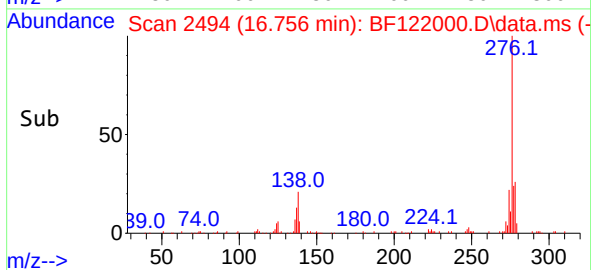
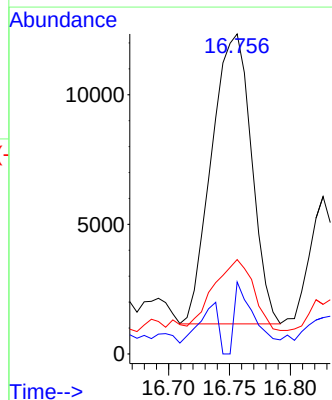
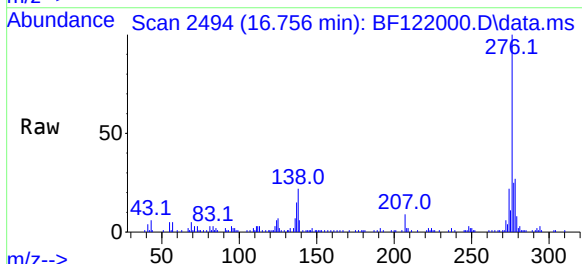
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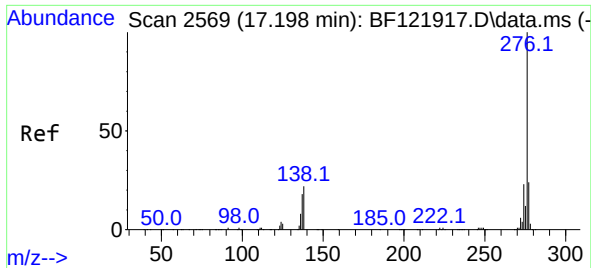
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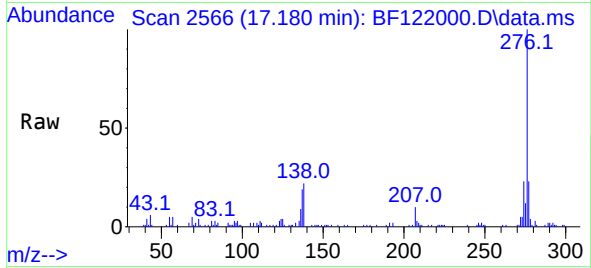
#91
Dibenzo(a,h)anthracene
Concen: 2.04 ng m
RT: 16.756 min Scan# 2494
Delta R.T. -0.012 min
Lab File: BF122000.D
Acq: 15 Oct 2020 19:50

Tgt Ion:278 Resp: 25459
Ion Ratio Lower Upper
278 100
139 22.5 13.0 19.4#
279 29.5 19.0 28.4#

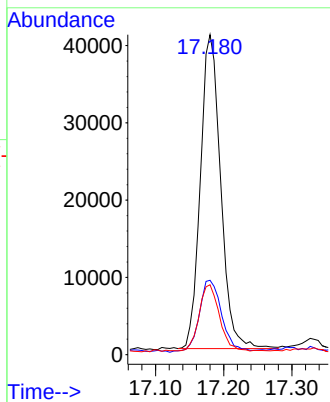
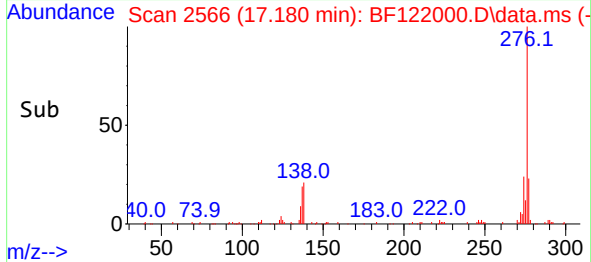




#92
 Benzo(g,h,i)perylene
 Concen: 6.72 ng
 RT: 17.180 min Scan# 2566
 Delta R.T. -0.006 min
 Lab File: BF122000.D
 Acq: 15 Oct 2020 19:50



Tgt Ion:	276	Resp:	84071
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.4	29.2
138	21.9	17.8	26.6



Instrument :
 BNA_F
 ClientSampleId :
 TP-2

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