

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
 Data File : BF122132.D
 Acq On : 26 Oct 2020 23:46
 Operator : JU/CG
 Sample : L4510-19 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4

Manual Integrations
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Quant Time: Oct 27 00:57:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 26 17:27:32 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	108886	20.00	ng	0.00
21) Naphthalene-d8	7.998	136	414826	20.00	ng	0.00
39) Acenaphthene-d10	9.751	164	197596	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	322744	20.00	ng	0.00
76) Chrysene-d12	13.880	240	231551	20.00	ng	0.00
86) Perylene-d12	15.315	264	219596	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	315837	42.81	ng	0.00
7) Phenol-d6	6.369	99	401123	42.24	ng	0.00
23) Nitrobenzene-d5	7.281	82	264374	32.68	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	83674	34.23	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	444952	33.13	ng	0.00
79) Terphenyl-d14	12.816	244	333221	27.43	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.022	128	391182	17.60	ng	99
37) 2-Methylnaphthalene	8.710	142	91740	6.37	ng	99
38) 1-Methylnaphthalene	8.810	142	54667	4.10	ng	99
46) 1,1'-Biphenyl	9.175	154	35234	2.19	ng	98
50) Dimethylphthalate	9.469	163	48518	3.36	ng	100
52) Acenaphthene	9.780	154	236651	20.73	ng	99
55) Dibenzofuran	9.957	168	206902	12.39	ng	97
58) Fluorene	10.298	166	200890	14.94	ng	99
71) Phenanthrene	11.269	178	1430777	80.85	ng	99
72) Anthracene	11.316	178	416100	22.67	ng	99
73) Carbazole	11.474	167	199175	12.20	ng	98
75) Fluoranthene	12.457	202	1386233	73.06	ng	98
78) Pyrene	12.686	202	1180904	66.92	ng	99
81) Benzo(a)anthracene	13.874	228	680998	44.88	ng	99
83) Chrysene	13.910	228	570879	38.32	ng	97
87) Indeno(1,2,3-cd)pyrene	16.721	276	256704	18.00	ng	93
88) Benzo(b)fluoranthene	14.909	252	653156m	44.00	ng	
89) Benzo(k)fluoranthene	14.933	252	255545m	18.12	ng	
90) Benzo(a)pyrene	15.257	252	471389	36.77	ng	97
91) Dibenzo(a,h)anthracene	16.721	278	71386m	6.08	ng	
92) Benzo(g,h,i)perylene	17.145	276	228426	19.44	ng	97

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

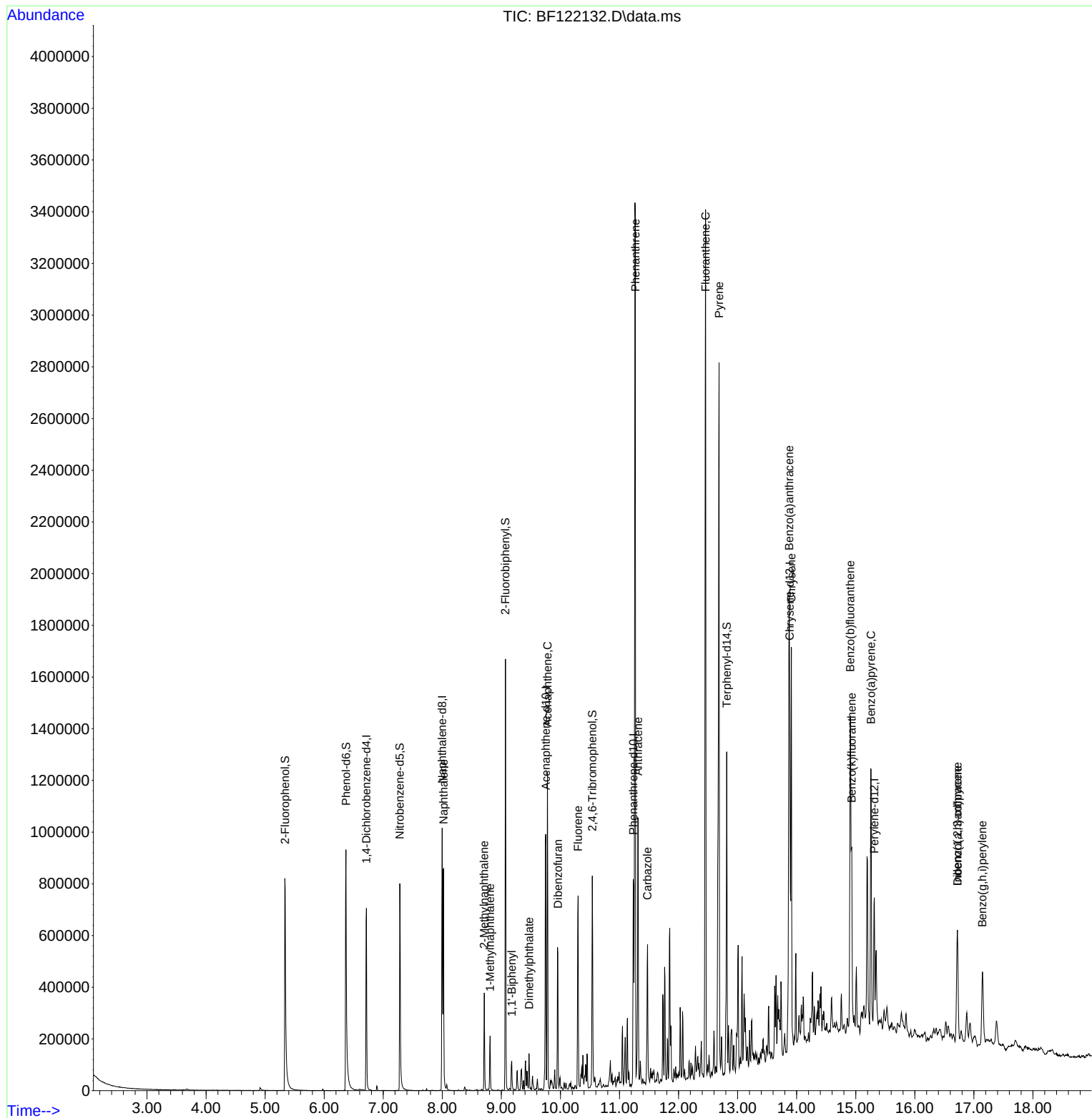
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
Data File : BF122132.D
Acq On : 26 Oct 2020 23:46
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ALS Vial : 18 Sample Multiplier: 1

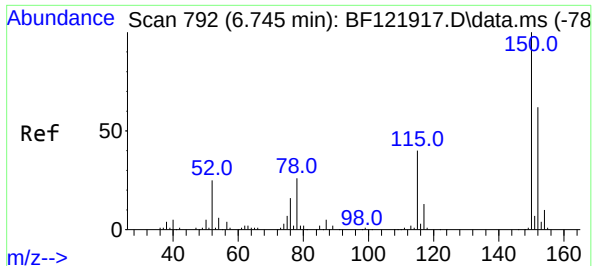
Instrument :
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ClientSampleId :
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Quant Time: Oct 27 00:57:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 26 17:27:32 2020
Response via : Initial Calibration





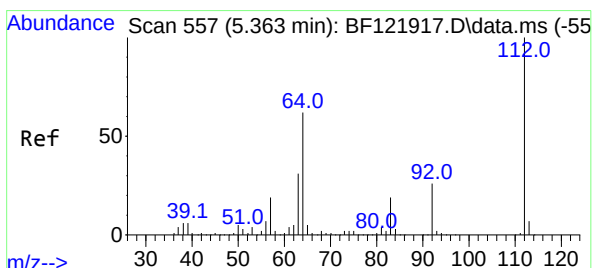
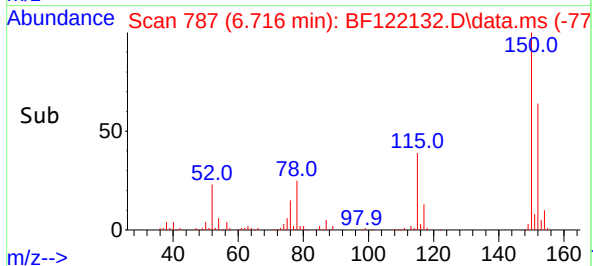
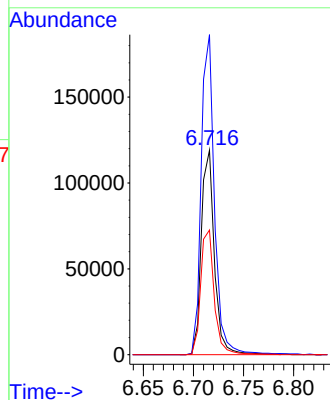
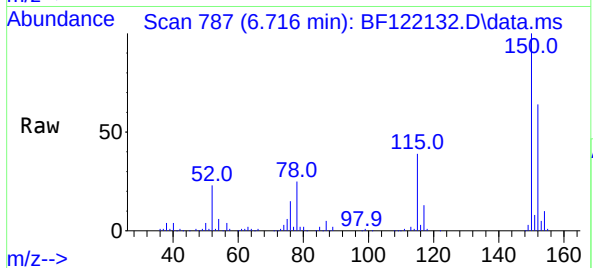
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.716 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion:152 Resp: 108886
Ion Ratio Lower Upper
152 100
150 156.5 125.3 187.9
115 61.0 51.9 77.9

Instrument :
BNA_F
ClientSampled :
COMP-4

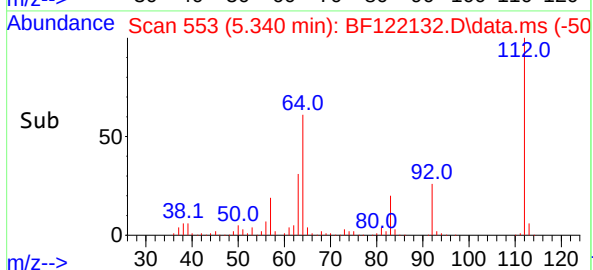
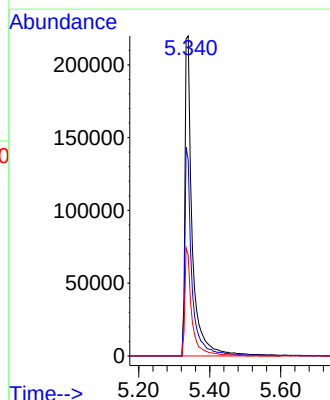
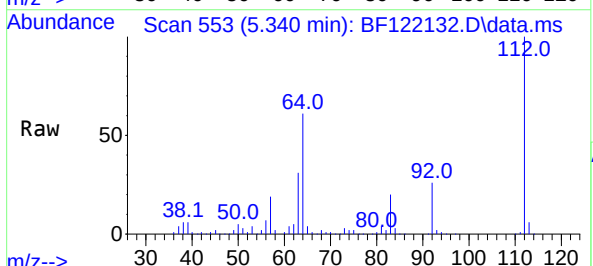
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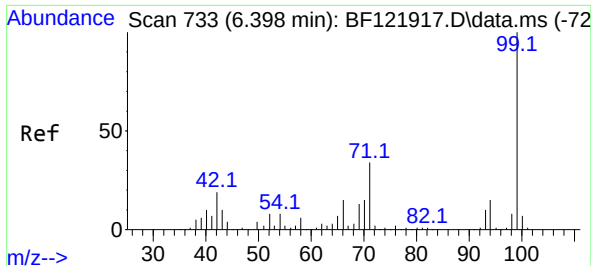
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#5
2-Fluorophenol
Concen: 42.81 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion:112 Resp: 315837
Ion Ratio Lower Upper
112 100
64 61.3 50.4 75.6
63 31.5 25.8 38.6





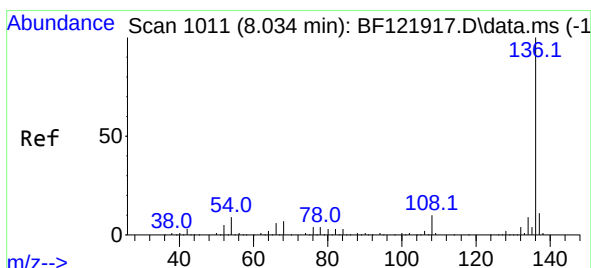
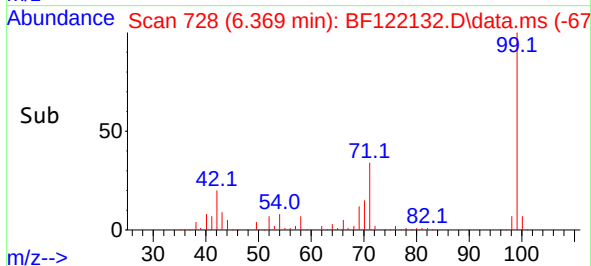
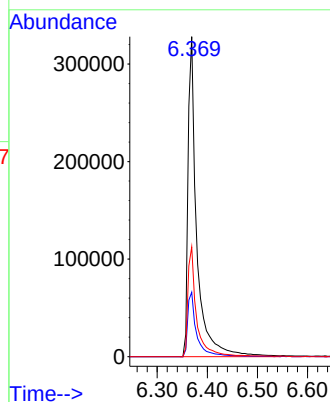
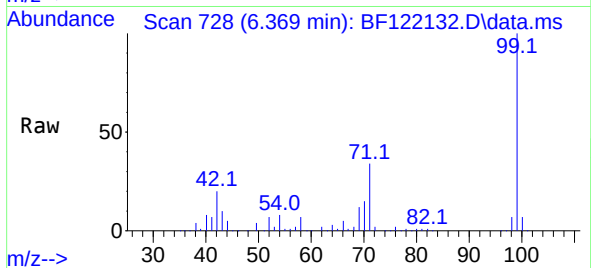
#7
Phenol-d6
Concen: 42.24 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion: 99 Resp: 401123
Ion Ratio Lower Upper
99 100
42 20.1 15.9 23.9
71 34.3 27.1 40.7

Instrument :
BNA_F
ClientSampled :
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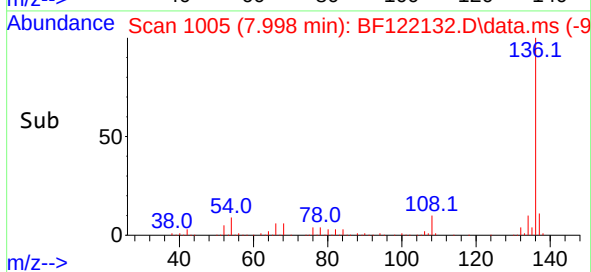
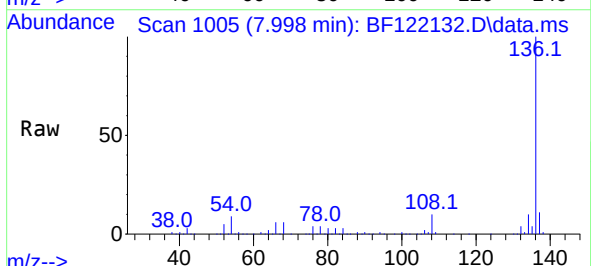
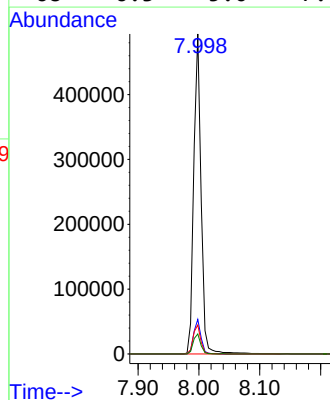
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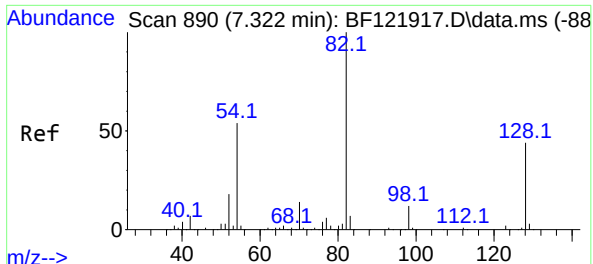
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion: 136 Resp: 414826
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.0 7.1 10.7
68 6.3 5.0 7.4





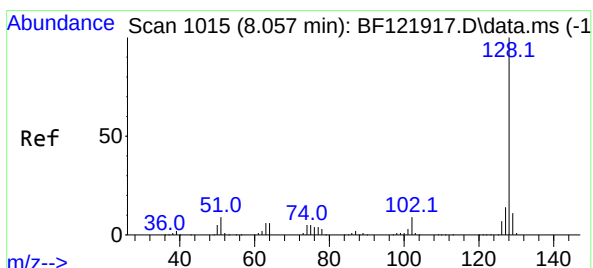
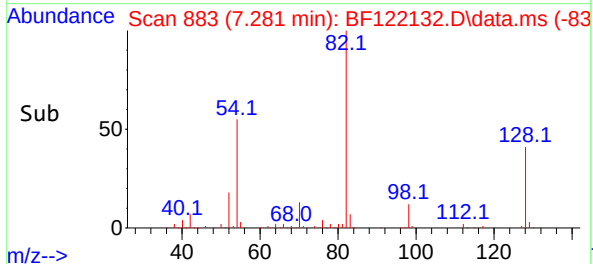
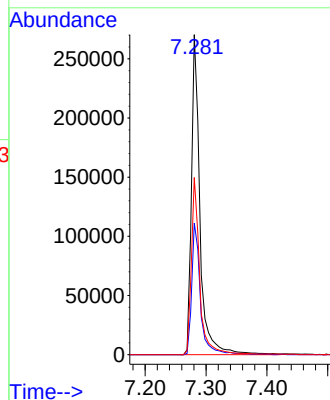
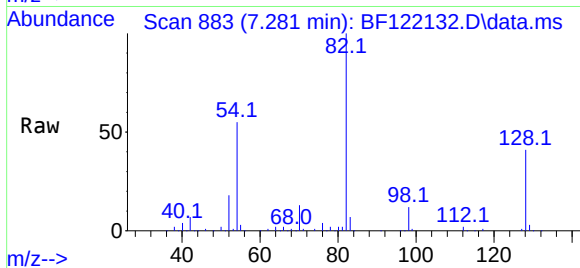
#23
Nitrobenzene-d5
Concen: 32.68 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion: 82 Resp: 264374
Ion Ratio Lower Upper
82 100
128 41.2 35.0 52.4
54 55.3 43.9 65.9

Instrument :
BNA_F
ClientSampleId :
COMP-4

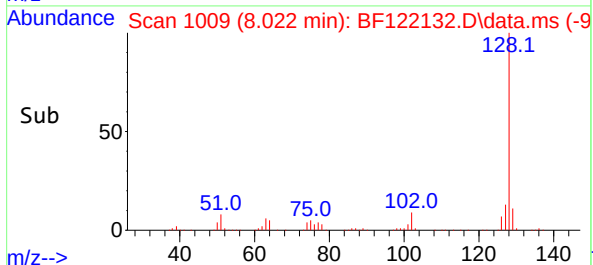
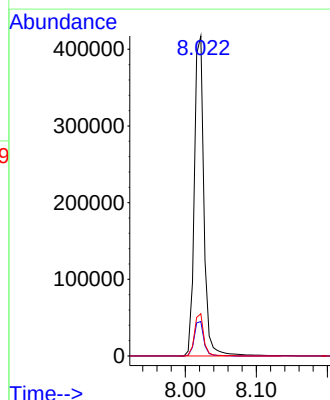
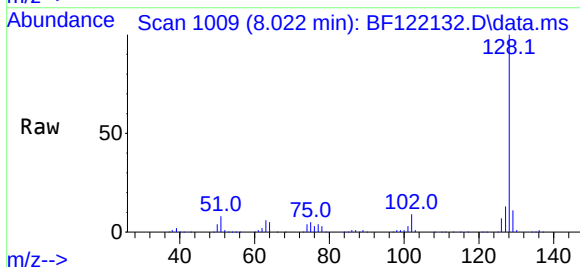
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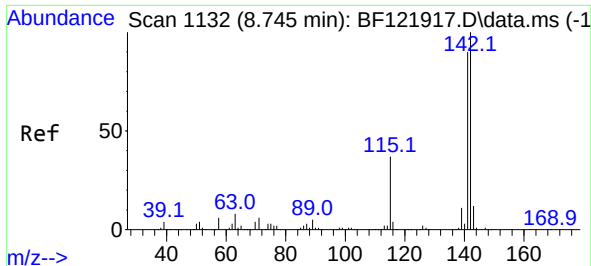
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#31
Naphthalene
Concen: 17.60 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

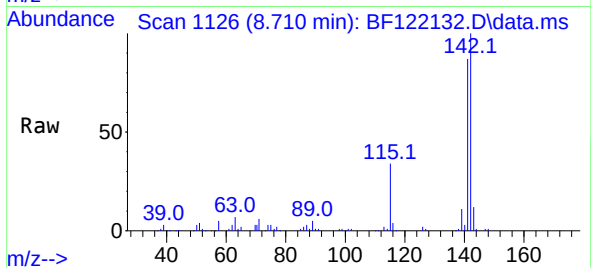
Tgt Ion: 128 Resp: 391182
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.2 10.8 16.2





#37
2-Methylnaphthalene
Concen: 6.37 ng
RT: 8.710 min Scan# 1126
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

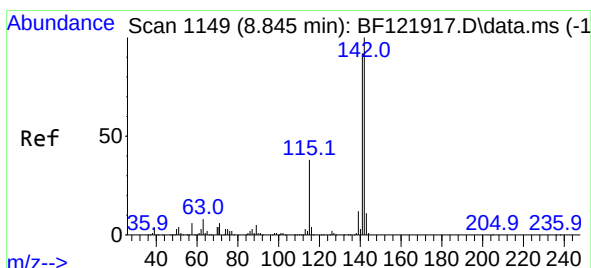
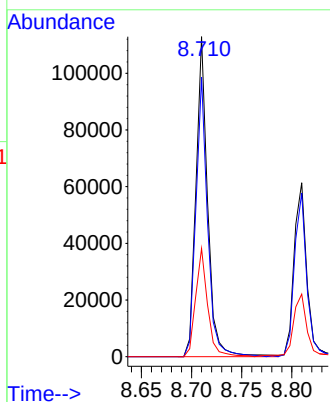
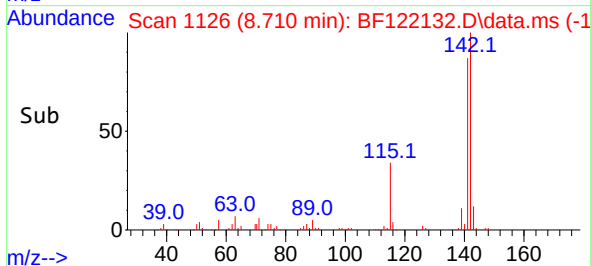
Instrument :
BNA_F
ClientSampled :
COMP-4



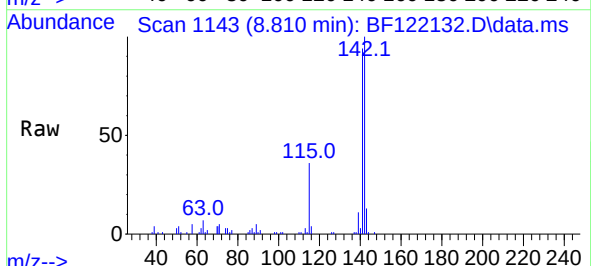
Tgt Ion:142 Resp: 91740
Ion Ratio Lower Upper
142 100
141 87.3 70.2 105.4
115 33.8 28.6 43.0

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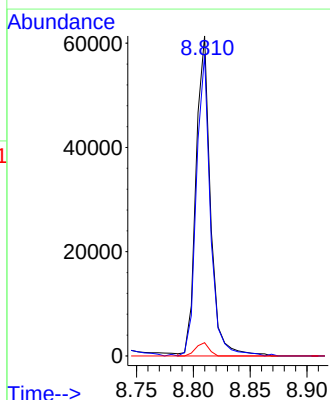
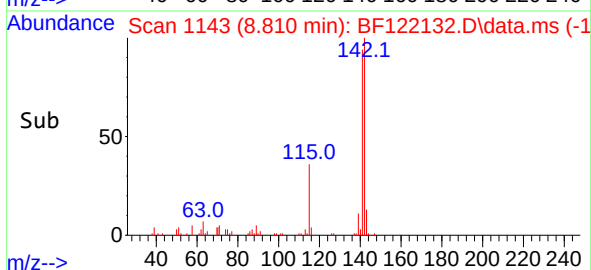
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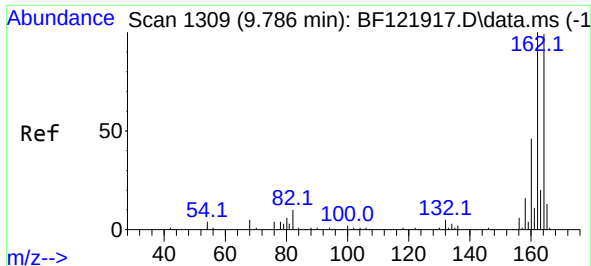


#38
1-Methylnaphthalene
Concen: 4.10 ng
RT: 8.810 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

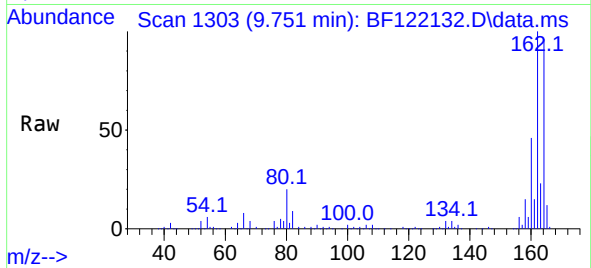


Tgt Ion:142 Resp: 54667
Ion Ratio Lower Upper
142 100
141 94.1 74.5 111.7
116 4.1 3.2 4.8

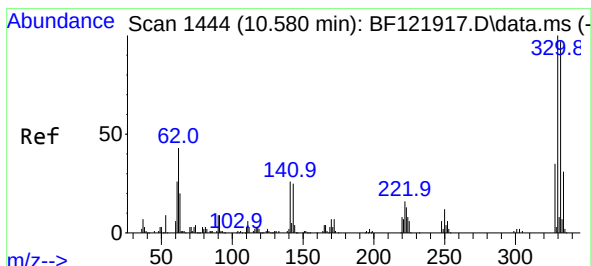
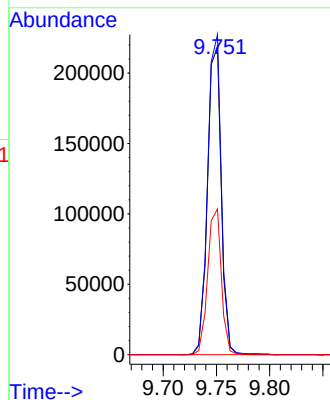
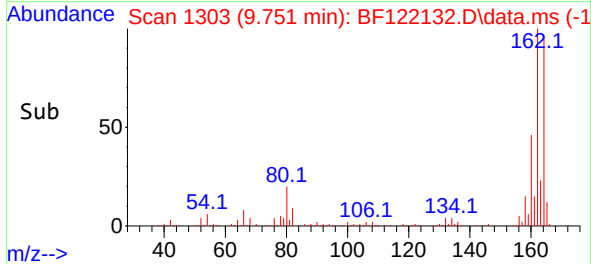




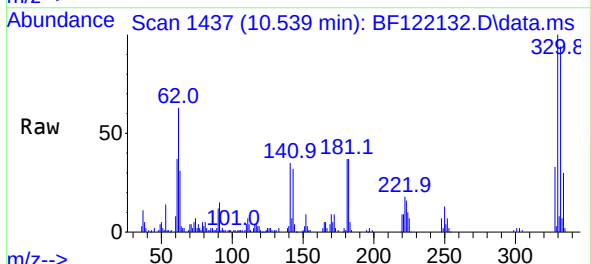
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46



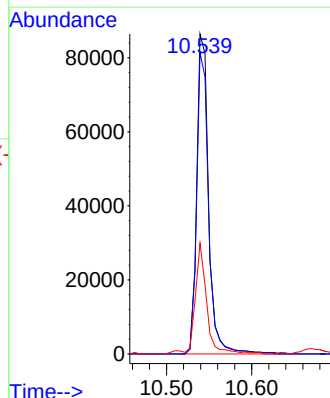
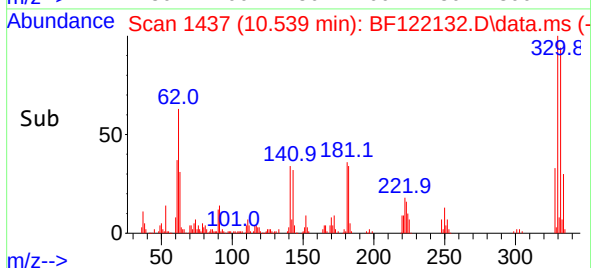
Tgt Ion:164 Resp: 197596
Ion Ratio Lower Upper
164 100
162 103.9 83.2 124.8
160 47.3 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 34.23 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46



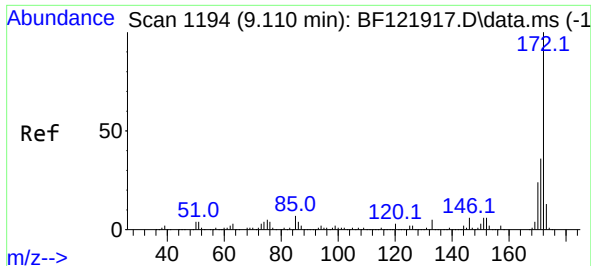
Tgt Ion:330 Resp: 83674
Ion Ratio Lower Upper
330 100
332 94.6 77.3 115.9
141 33.8 22.3 33.5#



Instrument :
BNA_F
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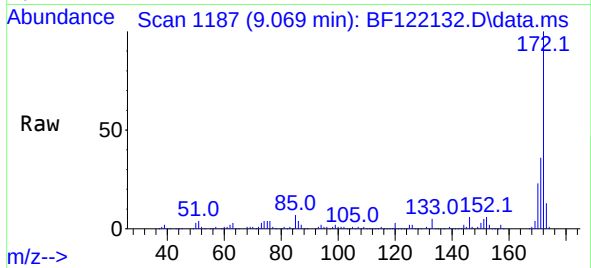
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#45
2-Fluorobiphenyl
Concen: 33.13 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

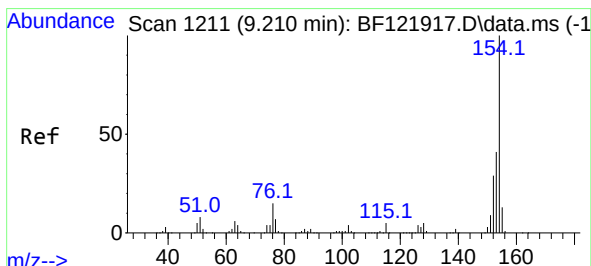
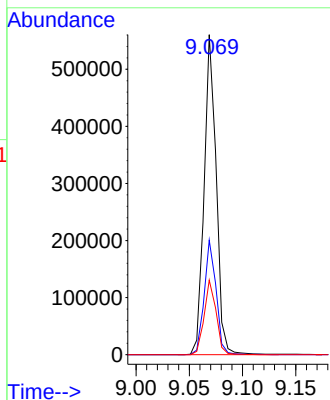
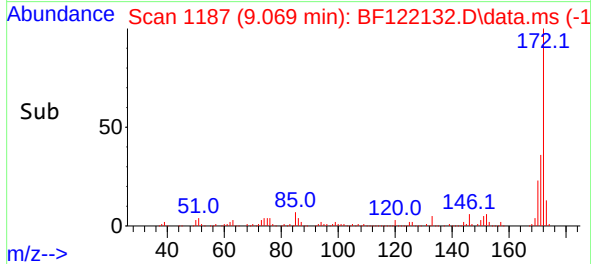
Instrument :
BNA_F
ClientSampled :
COMP-4



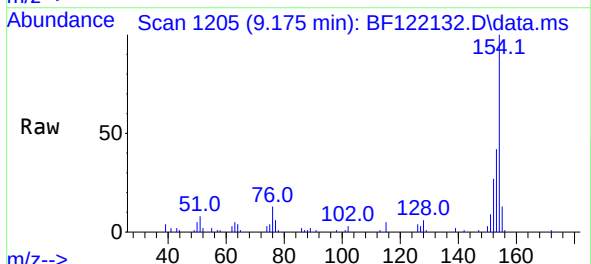
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Ion Ratio Lower Upper
172 100
171 35.8 29.1 43.7
170 23.3 19.8 29.6

Manual Integrations
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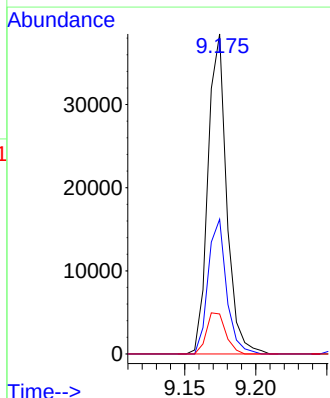
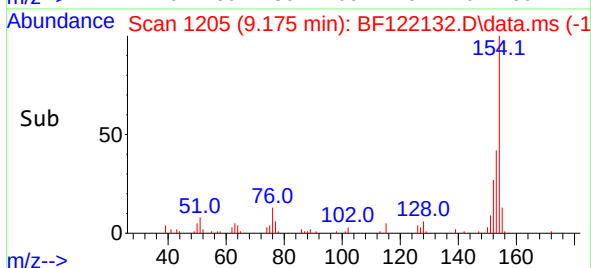
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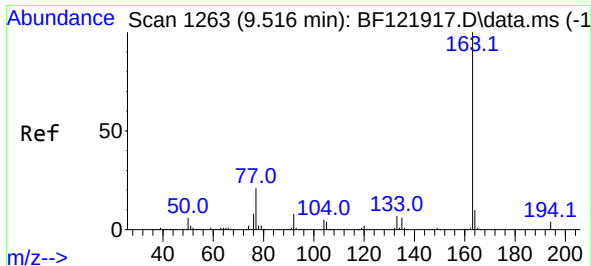


#46
1,1'-Biphenyl
Concen: 2.19 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46



Tgt Ion:154 Resp: 35234
Ion Ratio Lower Upper
154 100
153 42.1 21.3 61.3
76 12.5 0.0 34.7





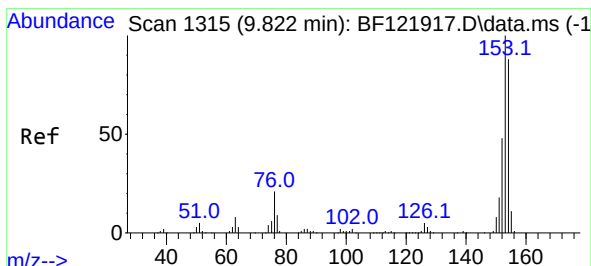
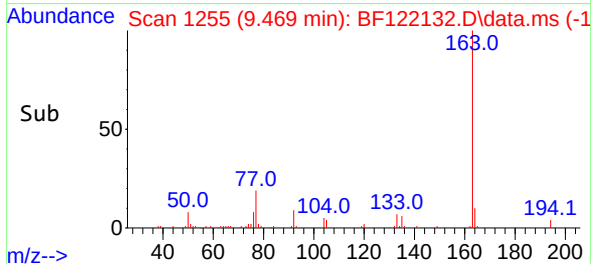
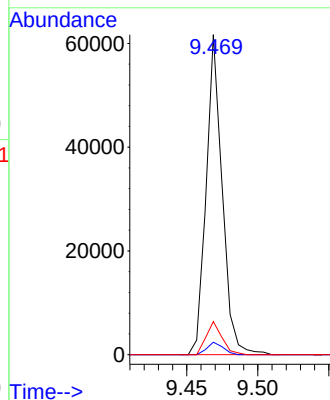
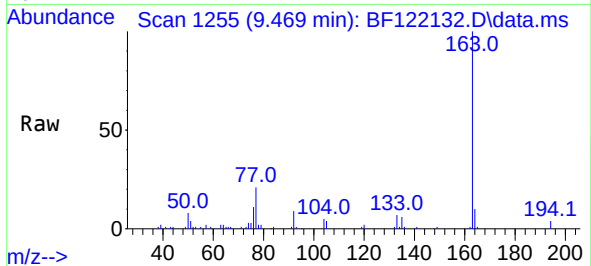
#50
Dimethylphthalate
Concen: 3.36 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion:163 Resp: 48518
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.4 8.2 12.4

Instrument :
BNA_F
ClientSampleId :
COMP-4

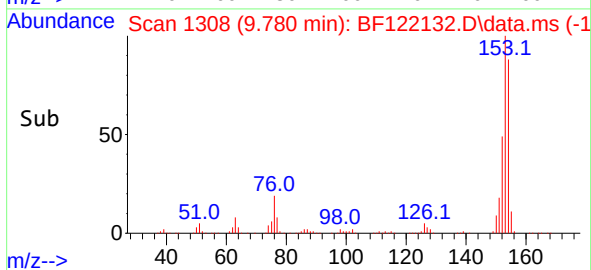
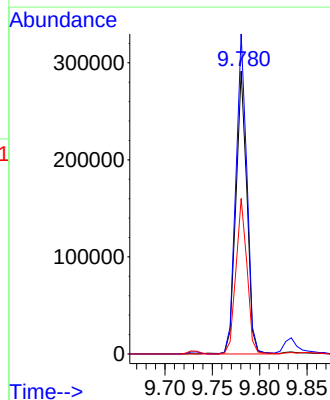
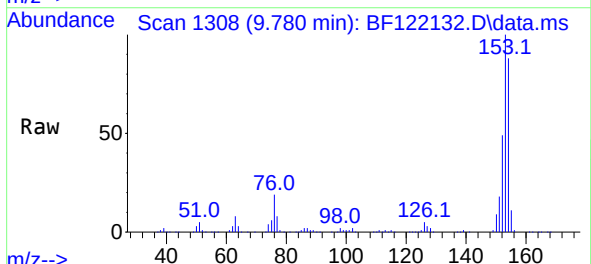
Manual Integrations
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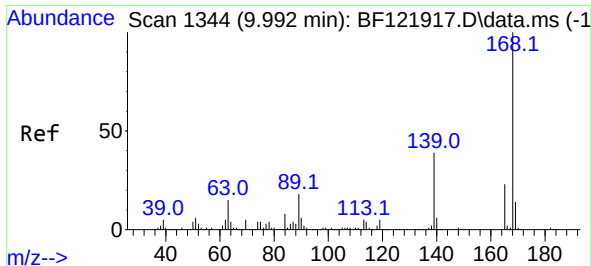
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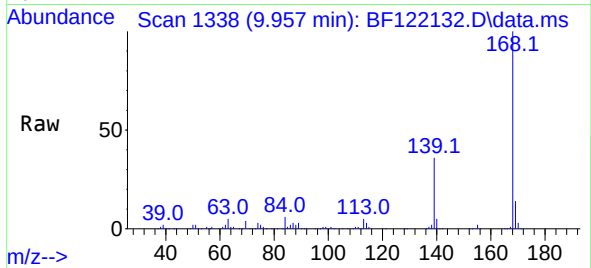
#52
Acenaphthene
Concen: 20.73 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion:154 Resp: 236651
Ion Ratio Lower Upper
154 100
153 113.2 89.8 134.8
152 55.0 43.2 64.8

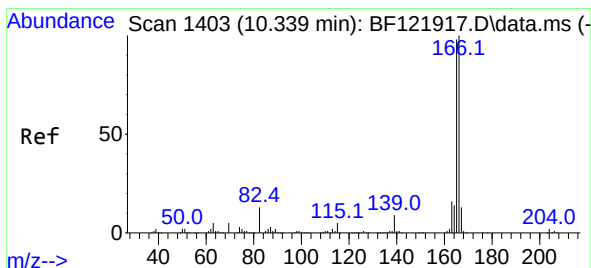
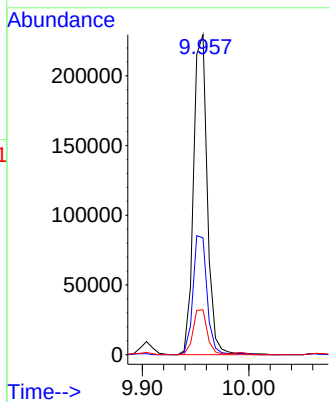
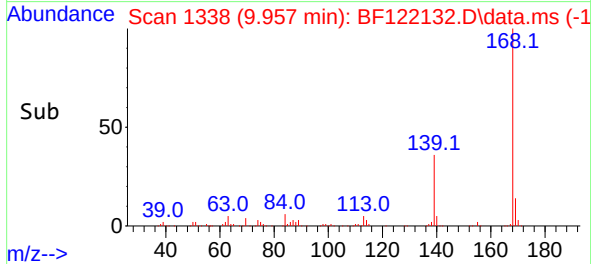




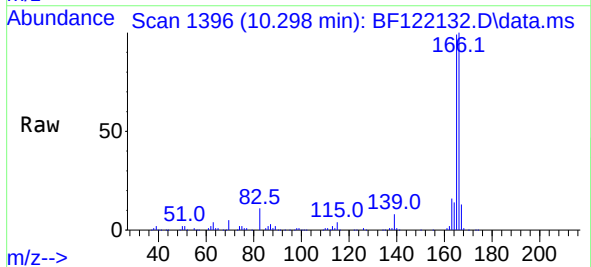
#55
Dibenzenofuran
Concen: 12.39 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46



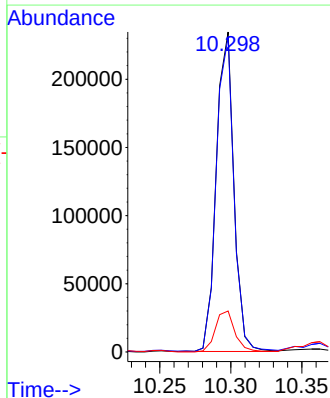
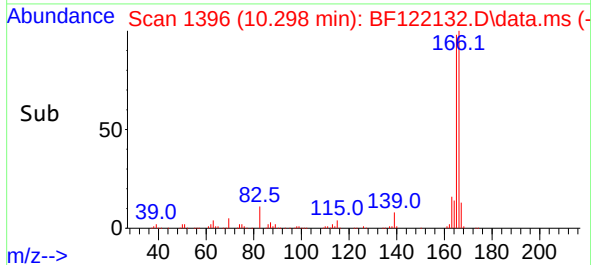
Tgt Ion:168 Resp: 206902
Ion Ratio Lower Upper
168 100
139 36.5 31.0 46.6
169 14.0 11.3 16.9



#58
Fluorene
Concen: 14.94 ng
RT: 10.298 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46



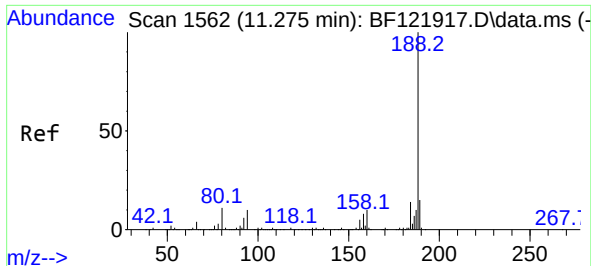
Tgt Ion:166 Resp: 200890
Ion Ratio Lower Upper
166 100
165 98.5 79.1 118.7
167 12.8 11.0 16.6



Instrument :
BNA_F
ClientSampled :
COMP-4

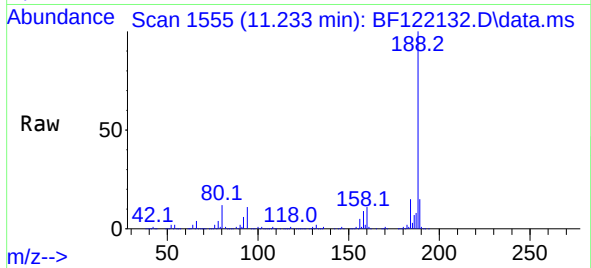
Manual Integrations
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

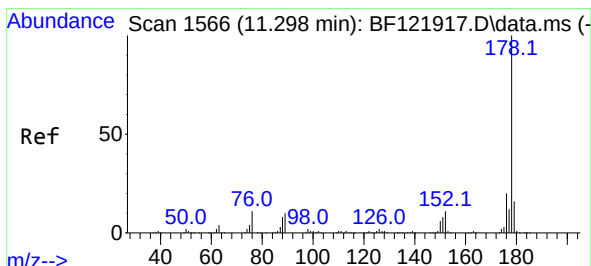
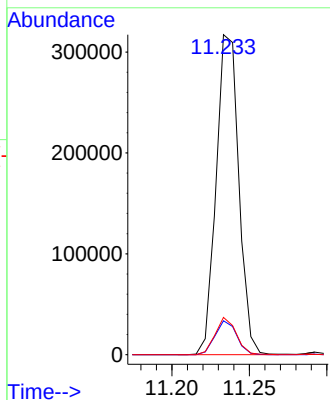
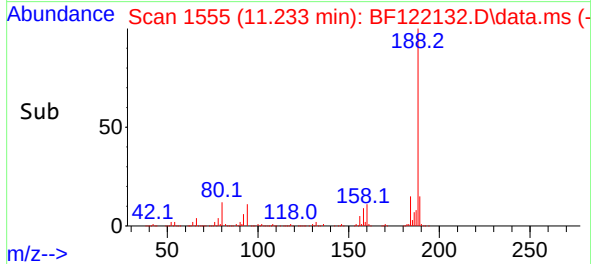
Instrument :
BNA_F
ClientSampled :
COMP-4



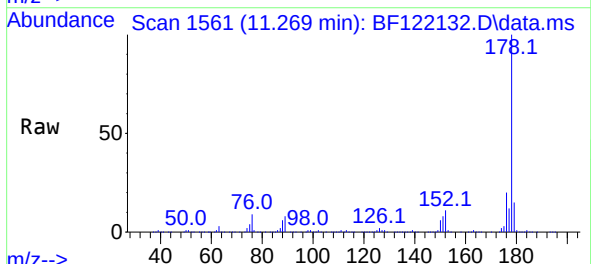
Tgt Ion:188 Resp: 322744
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.7 9.1 13.7

Manual Integrations
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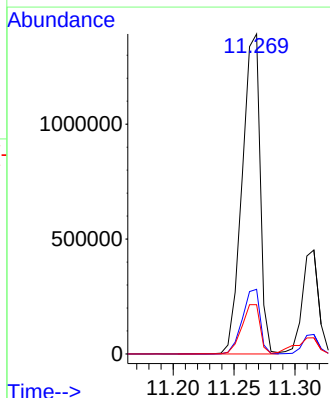
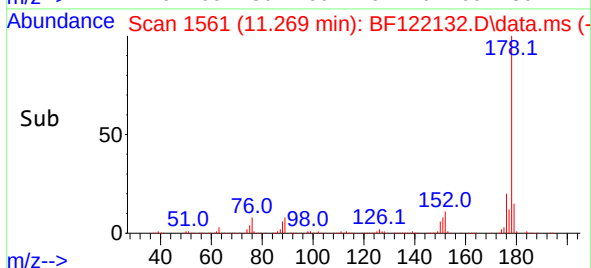
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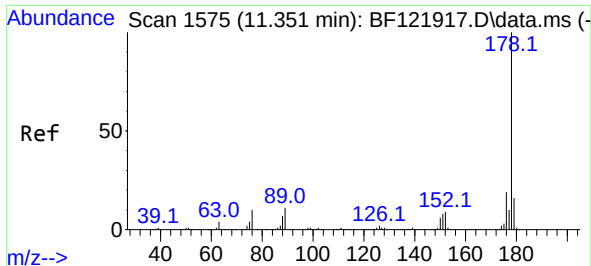


#71
Phenanthrene
Concen: 80.85 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46



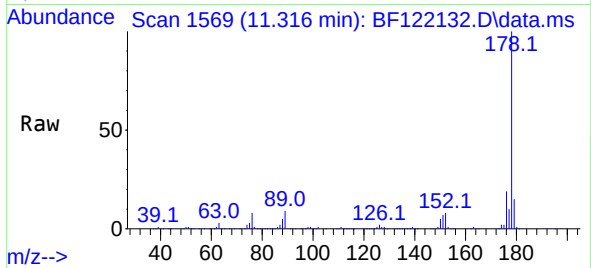
Tgt Ion:178 Resp: 1430777
Ion Ratio Lower Upper
178 100
176 20.2 15.9 23.9
179 15.4 12.2 18.4





#72
 Anthracene
 Concen: 22.67 ng
 RT: 11.316 min Scan# 1569
 Delta R.T. -0.000 min
 Lab File: BF122132.D
 Acq: 26 Oct 2020 23:46

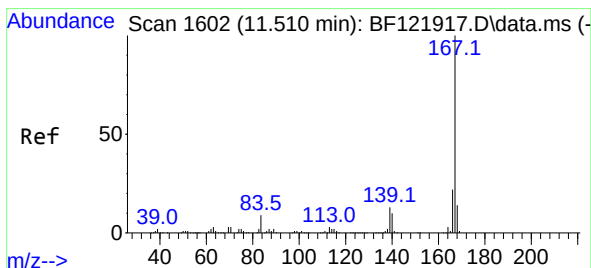
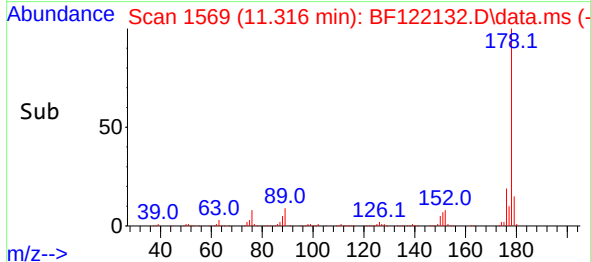
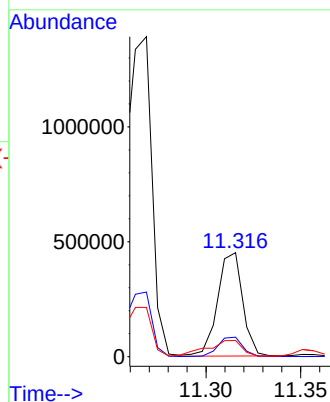
Instrument :
 BNA_F
 ClientSampled :
 COMP-4



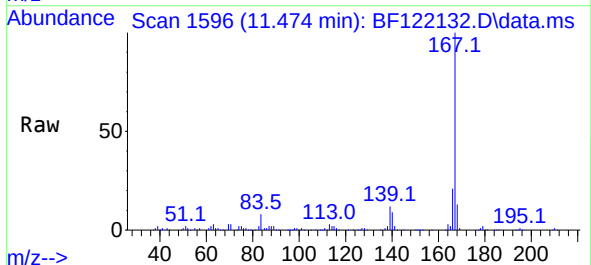
Tgt Ion:178 Resp: 416100
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.7 23.5
 179 15.5 12.7 19.1

Manual Integrations
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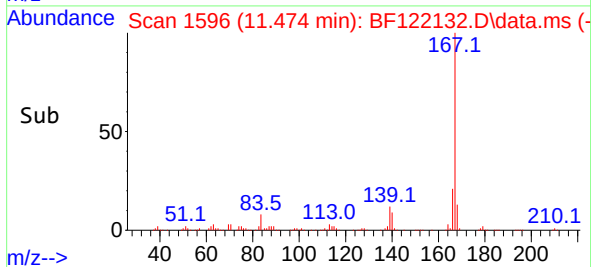
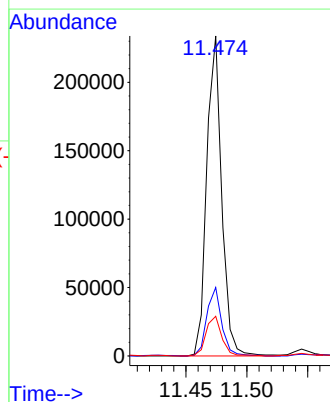
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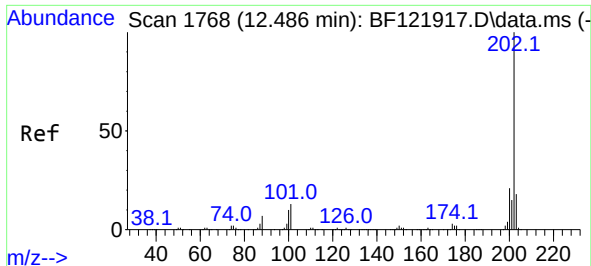


#73
 Carbazole
 Concen: 12.20 ng
 RT: 11.474 min Scan# 1596
 Delta R.T. -0.000 min
 Lab File: BF122132.D
 Acq: 26 Oct 2020 23:46



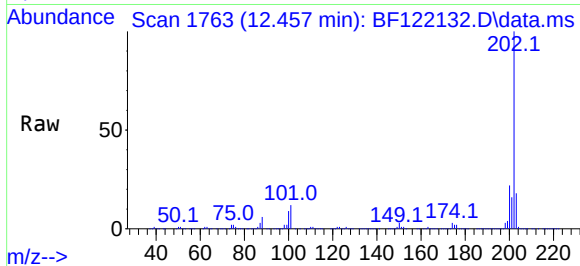
Tgt Ion:167 Resp: 199175
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.8 26.6
 139 12.4 10.8 16.2





#75
Fluoranthene
Concen: 73.06 ng
RT: 12.457 min Scan# 1763
Delta R.T. 0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

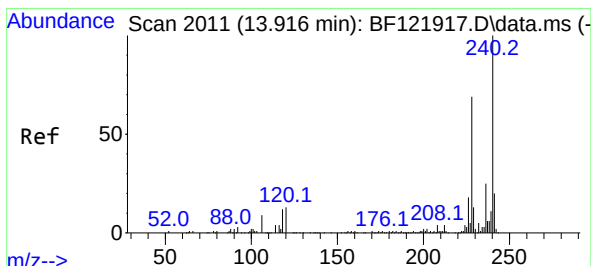
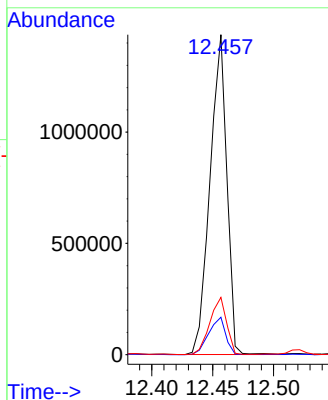
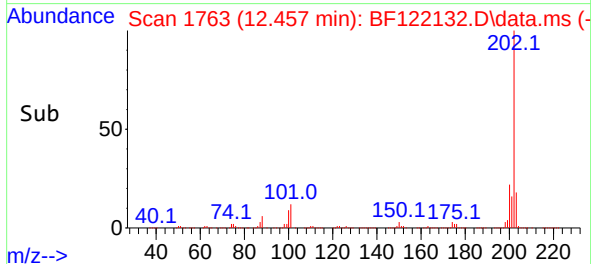
Instrument :
BNA_F
ClientSampled :
COMP-4



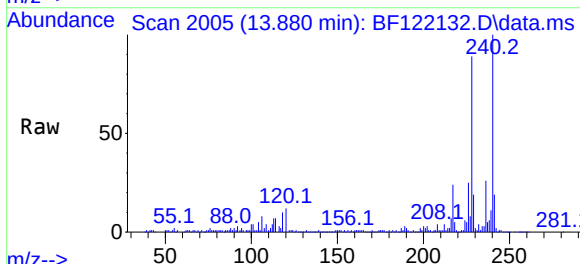
Tgt Ion:202 Resp: 1386233
Ion Ratio Lower Upper
202 100
101 11.7 0.0 33.4
203 17.9 0.0 37.9

Manual Integrations
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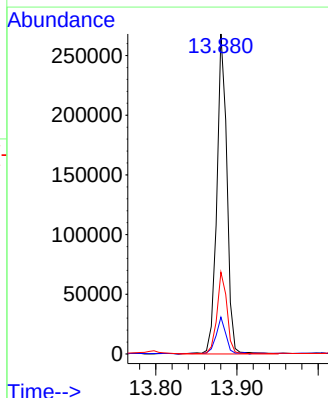
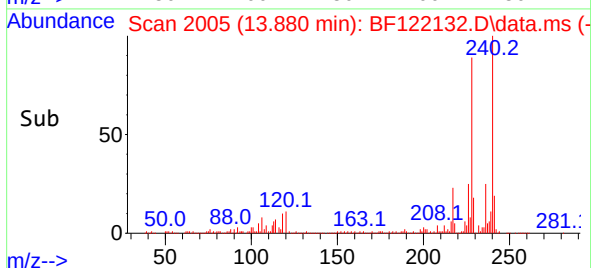
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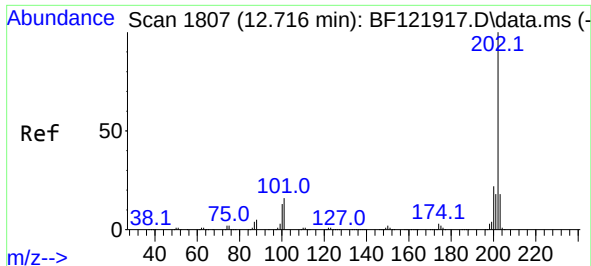


#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46



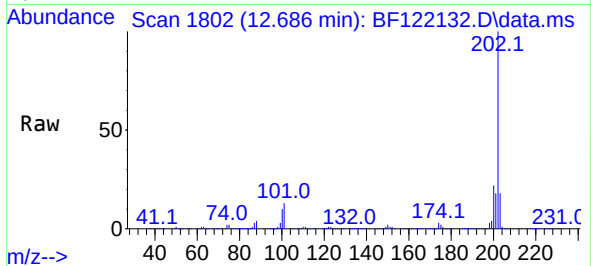
Tgt Ion:240 Resp: 231551
Ion Ratio Lower Upper
240 100
120 11.5 9.2 13.8
236 25.6 20.9 31.3





#78
Pyrene
Concen: 66.92 ng
RT: 12.686 min Scan# 1802
Delta R.T. 0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

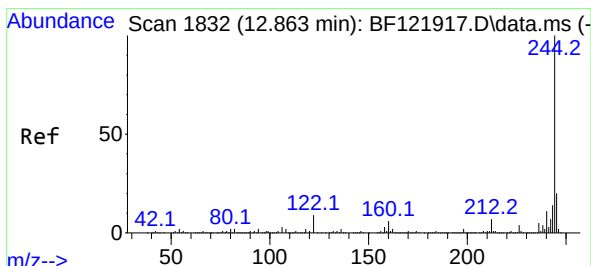
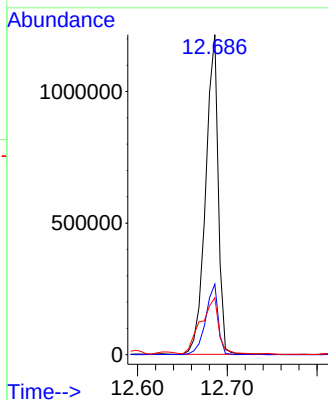
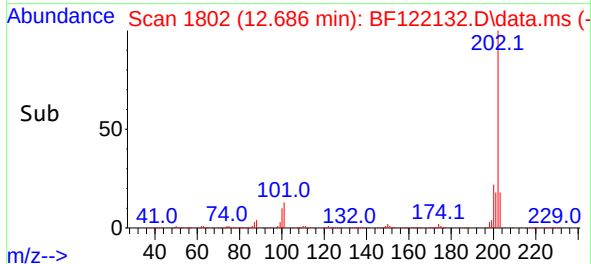
Instrument :
BNA_F
ClientSampled :
COMP-4



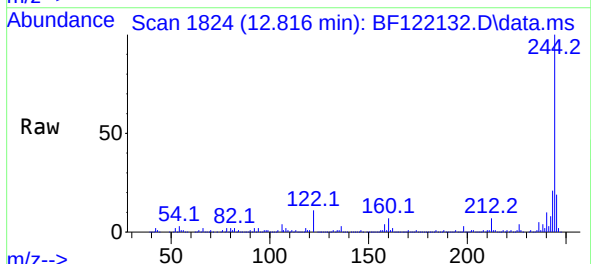
Tgt Ion:202 Resp: 1180904
Ion Ratio Lower Upper
202 100
200 22.1 17.4 26.2
203 17.8 14.6 21.8

Manual Integrations
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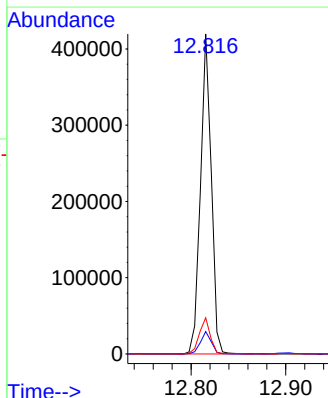
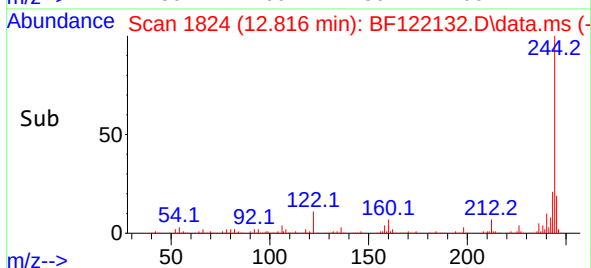
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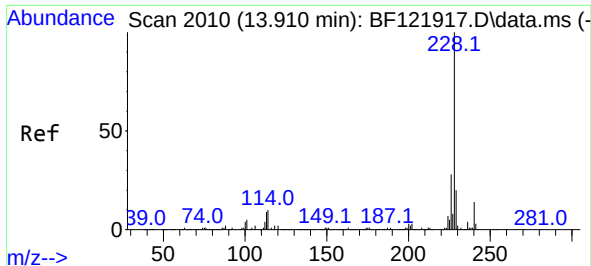


#79
Terphenyl-d14
Concen: 27.43 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

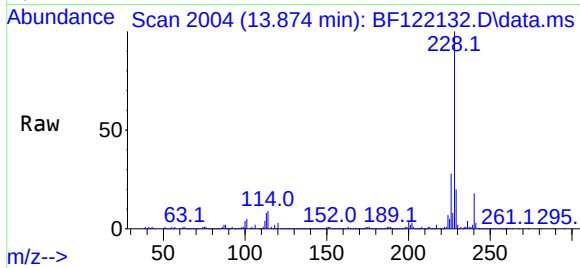


Tgt Ion:244 Resp: 333221
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 11.3 8.1 12.1

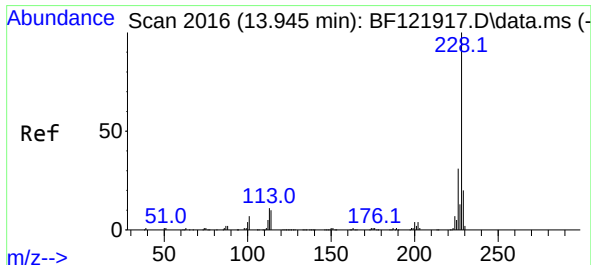
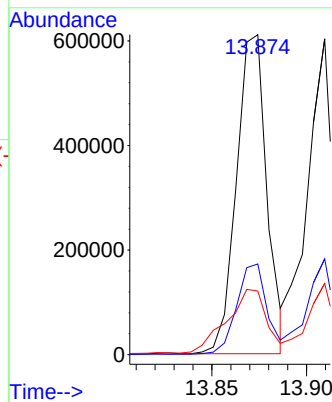
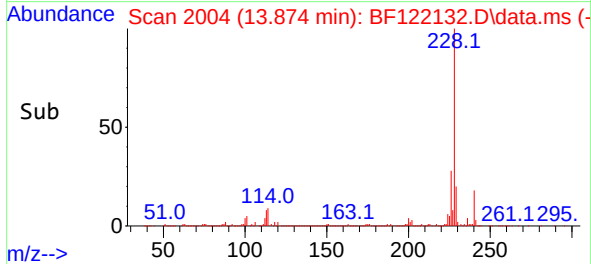




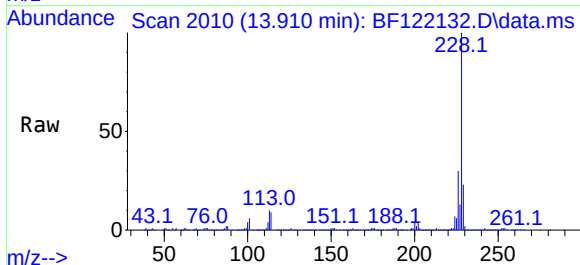
#81
Benzo(a)anthracene
Concen: 44.88 ng
RT: 13.874 min Scan# 2004
Delta R.T. 0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46



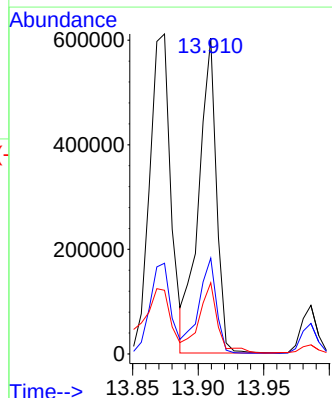
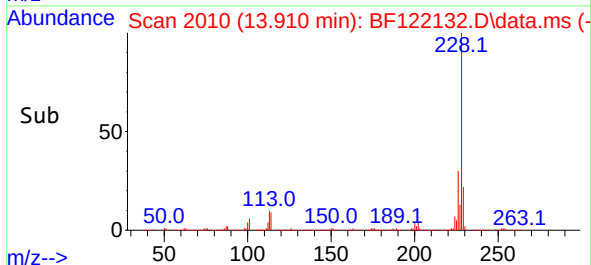
Tgt Ion:228 Resp: 680998
Ion Ratio Lower Upper
228 100
226 28.4 22.3 33.5
229 19.9 16.2 24.4



#83
Chrysene
Concen: 38.32 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46



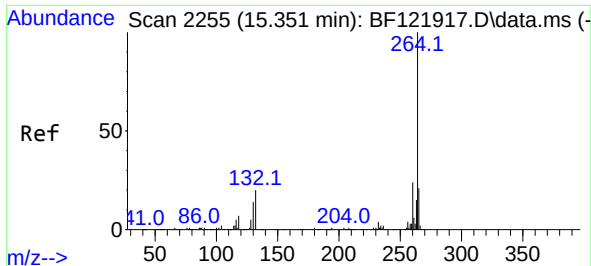
Tgt Ion:228 Resp: 570879
Ion Ratio Lower Upper
228 100
226 30.3 24.6 37.0
229 22.6 15.9 23.9



Instrument :
BNA_F
ClientSampled :
COMP-4

Manual Integrations
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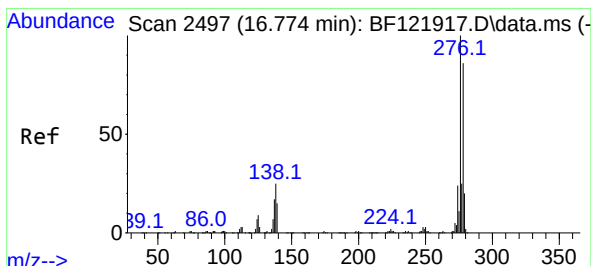
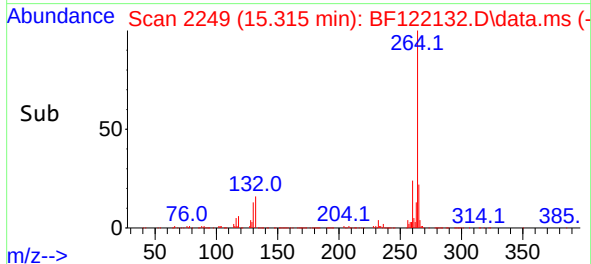
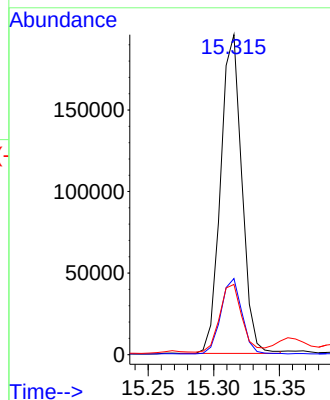
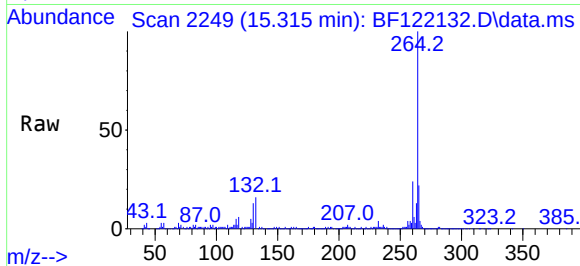
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.315 min Scan# 2249
Delta R.T. 0.012 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion:264 Resp: 219596
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.9 17.3 25.9

Instrument :
BNA_F
ClientSampled :
COMP-4

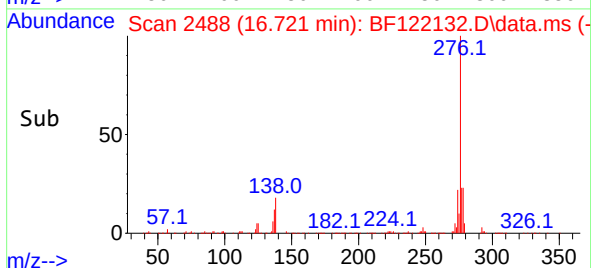
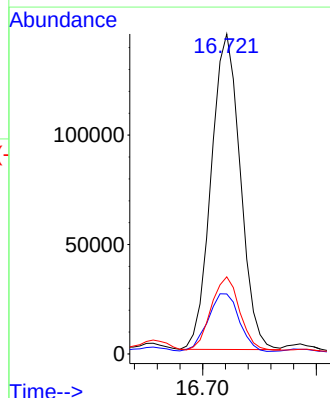
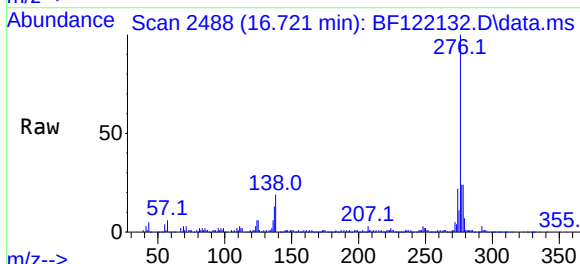
Manual Integrations
APPROVED

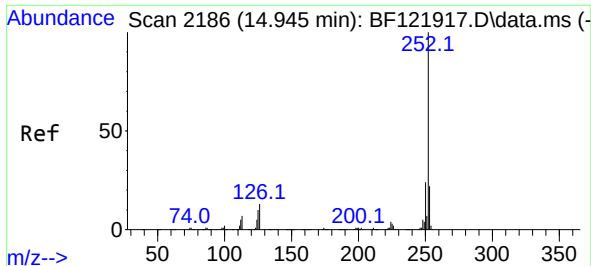
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#87
Indeno(1,2,3-cd)pyrene
Concen: 18.00 ng
RT: 16.721 min Scan# 2488
Delta R.T. 0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion:276 Resp: 256704
Ion Ratio Lower Upper
276 100
138 20.1 19.9 29.9
277 23.5 20.4 30.6





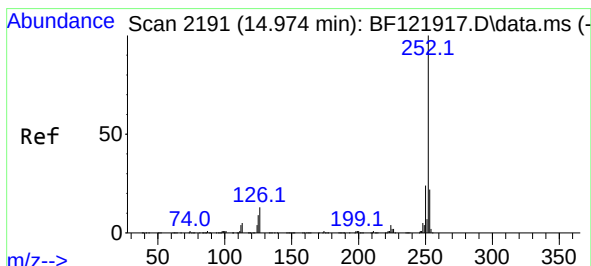
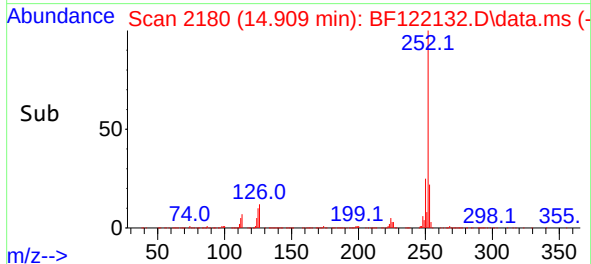
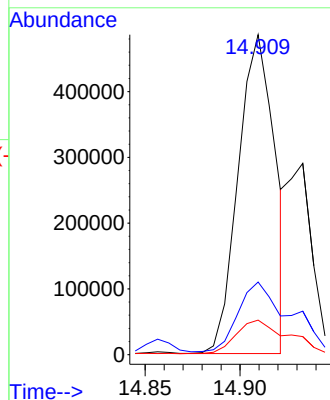
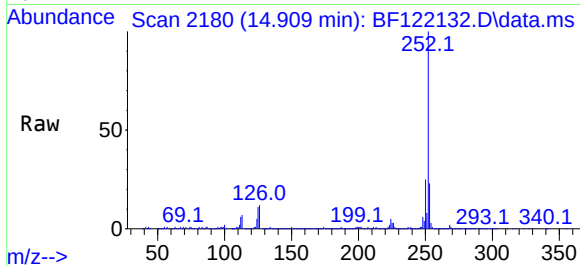
#88
Benzo(b)fluoranthene
Concen: 44.00 ng m
RT: 14.909 min Scan# 2180
Delta R.T. 0.012 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion:252 Resp: 653156
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 10.8 8.0 12.0

Instrument :
BNA_F
ClientSampled :
COMP-4

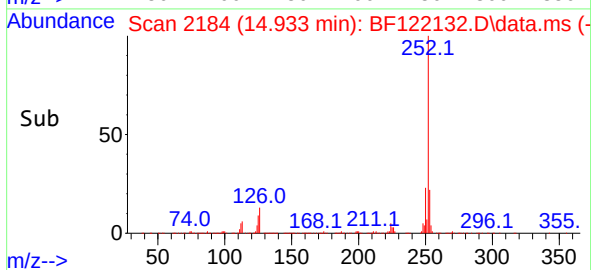
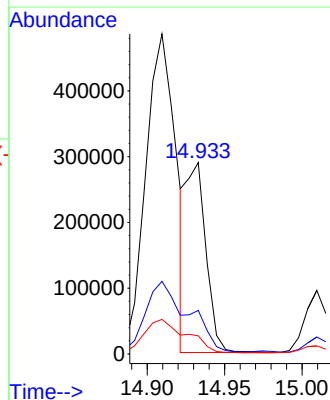
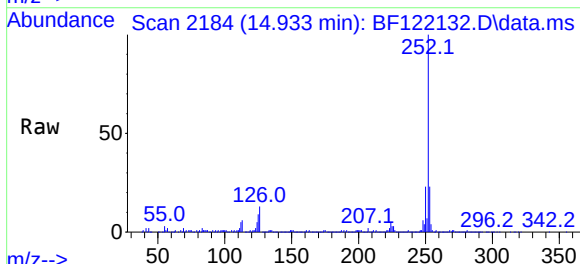
Manual Integrations
APPROVED

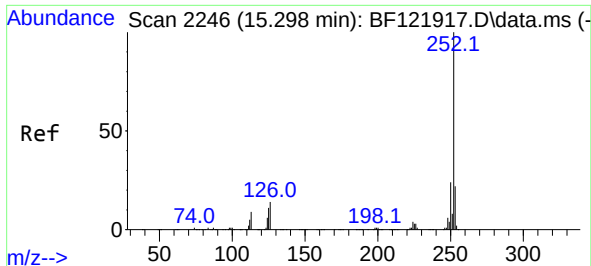
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#89
Benzo(k)fluoranthene
Concen: 18.12 ng m
RT: 14.933 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion:252 Resp: 255545
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 9.5 7.7 11.5





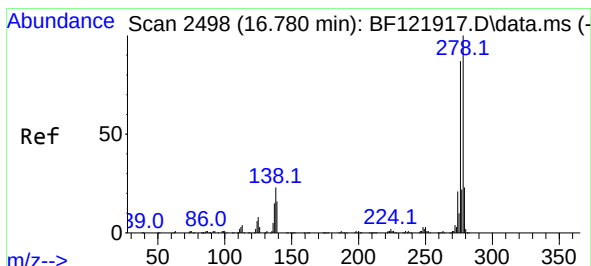
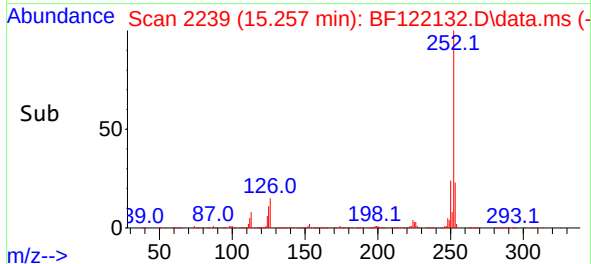
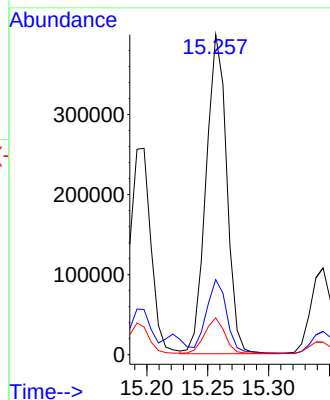
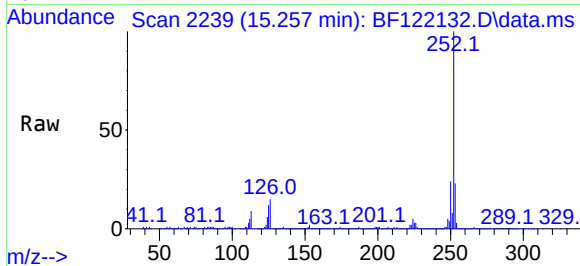
#90
Benzo(a)pyrene
Concen: 36.77 ng
RT: 15.257 min Scan# 2239
Delta R.T. 0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion:252 Resp: 471389
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 11.5 8.6 13.0

Instrument :
BNA_F
ClientSampleId :
COMP-4

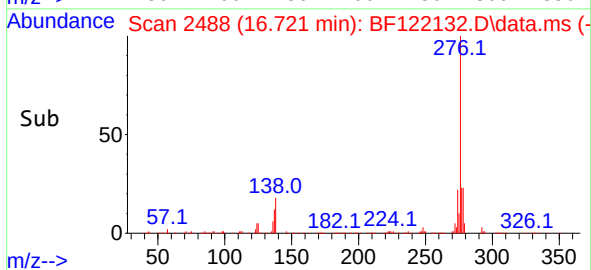
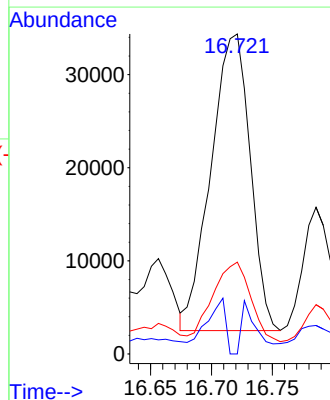
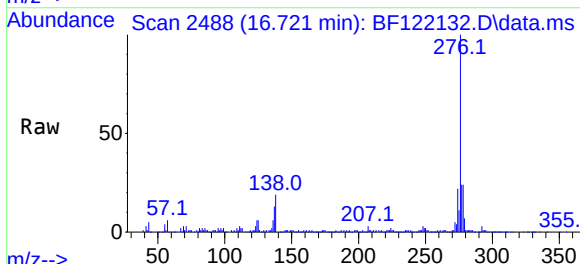
Manual Integrations
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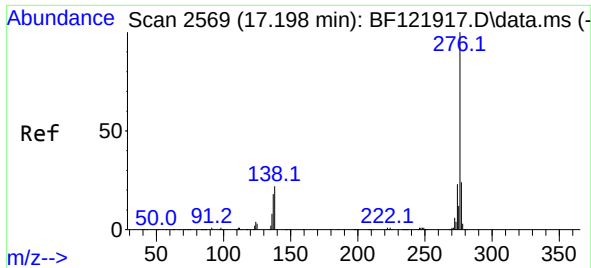
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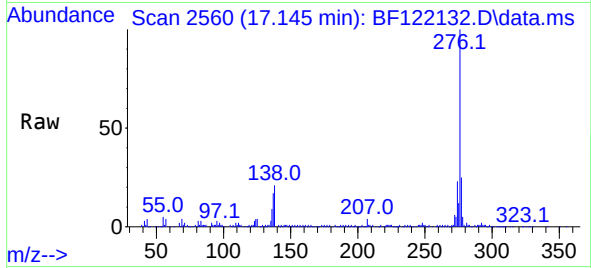
#91
Dibenzo(a,h)anthracene
Concen: 6.08 ng m
RT: 16.721 min Scan# 2488
Delta R.T. 0.006 min
Lab File: BF122132.D
Acq: 26 Oct 2020 23:46

Tgt Ion:278 Resp: 71386
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.4#
279 28.7 19.0 28.4#

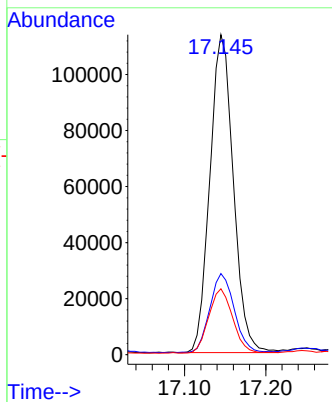
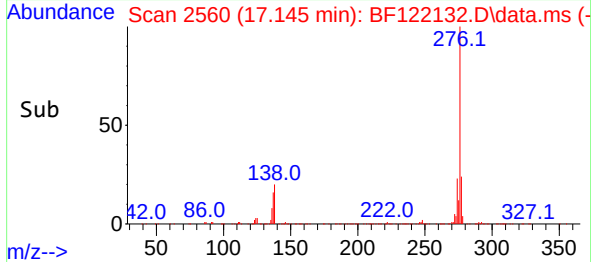




#92
 Benzo(g,h,i)perylene
 Concen: 19.44 ng
 RT: 17.145 min Scan# 2560
 Delta R.T. 0.012 min
 Lab File: BF122132.D
 Acq: 26 Oct 2020 23:46



Tgt Ion:	276	Resp:	228426
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.4	29.2
138	20.6	17.8	26.6



Instrument :
 BNA_F
 ClientSampleId :
 COMP-4

Manual Integrations
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