

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102720\
 Data File : BF122138.D
 Acq On : 27 Oct 2020 12:07
 Operator : JU/CG
 Sample : L4510-19DL 4X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4DL

Manual Integrations
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 10/28/2020 8:05:17 AM

Quant Time: Oct 27 13:27:43 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	6.710	152	94875	20.00	ng	0.00
21) Naphthalene-d8	7.998	136	380341	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	199450	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	380647	20.00	ng	0.00
76) Chrysene-d12	13.880	240	268753	20.00	ng	0.00
86) Perylene-d12	15.310	264	258047	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	133506	20.77	ng	0.00
7) Phenol-d6	6.375	99	180432	21.80	ng	0.00
23) Nitrobenzene-d5	7.281	82	117705	15.87	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	50207	20.35	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	217968	16.08	ng	0.00
79) Terphenyl-d14	12.816	244	210597	14.93	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.016	128	179679	8.82	ng	98
37) 2-Methylnaphthalene	8.710	142	40753	3.09	ng	99
38) 1-Methylnaphthalene	8.810	142	25211	2.06	ng	100
52) Acenaphthene	9.781	154	120852	10.49	ng	99
55) Dibenzofuran	9.957	168	105355	6.25	ng	96
58) Fluorene	10.292	166	107117	7.89	ng	100
71) Phenanthrene	11.263	178	917802	43.97	ng	100
72) Anthracene	11.310	178	252668	11.67	ng	99
73) Carbazole	11.475	167	122187	6.35	ng	98
75) Fluoranthene	12.451	202	944758	42.22	ng	98
78) Pyrene	12.680	202	783710	38.27	ng	99
81) Benzo(a)anthracene	13.868	228	420553	23.88	ng	99
83) Chrysene	13.904	228	310342	17.95	ng	98
87) Indeno(1,2,3-cd)pyrene	16.715	276	167005	9.97	ng	95
88) Benzo(b)fluoranthene	14.904	252	405195m	23.23	ng	
89) Benzo(k)fluoranthene	14.927	252	108290m	6.54	ng	
90) Benzo(a)pyrene	15.251	252	268171	17.80	ng	97
91) Dibenzo(a,h)anthracene	16.715	278	46168m	3.35	ng	
92) Benzo(g,h,i)perylene	17.139	276	156237	11.32	ng	99

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

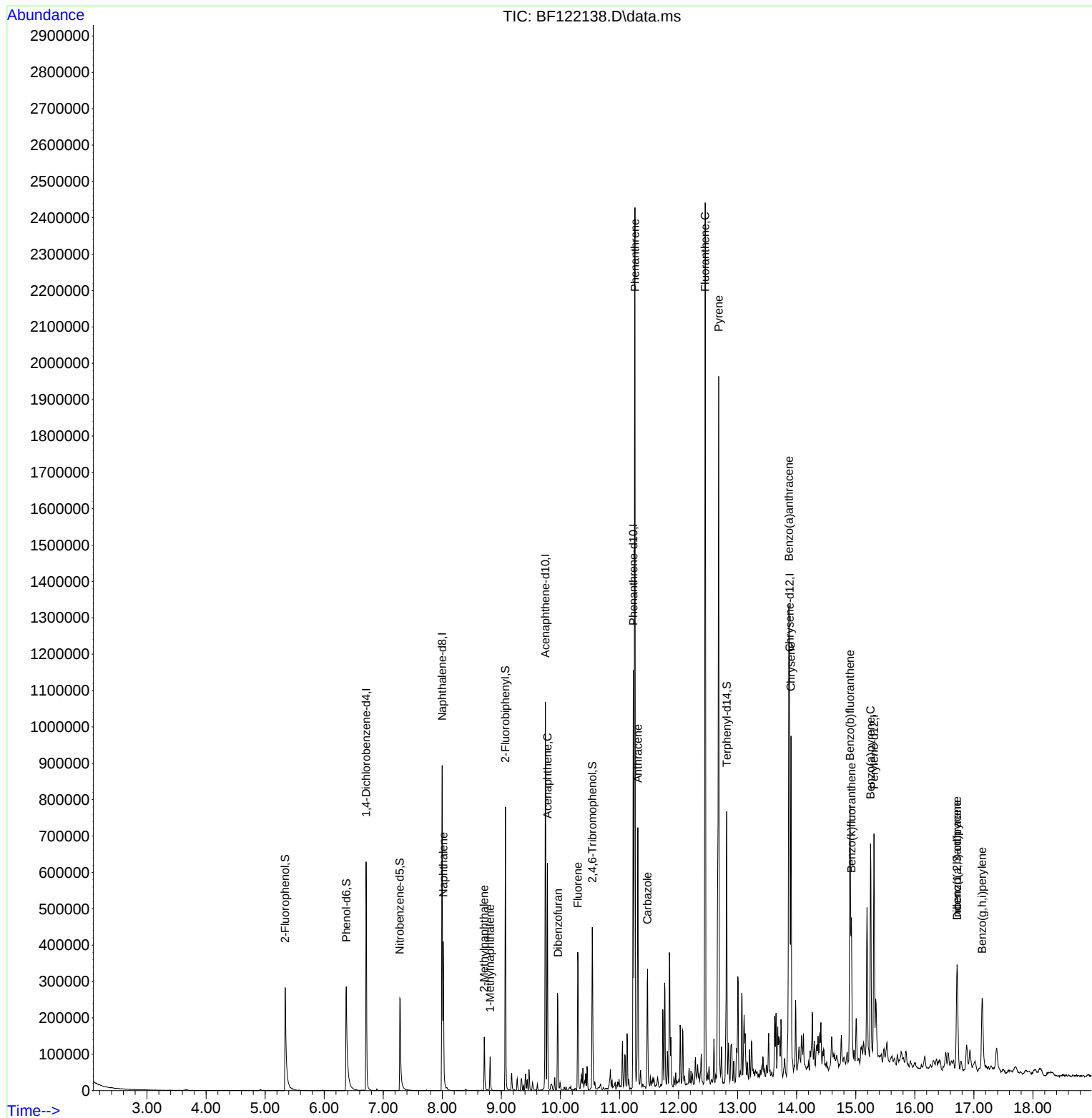
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102720\
Data File : BF122138.D
Acq On : 27 Oct 2020 12:07
Operator : JU/CG
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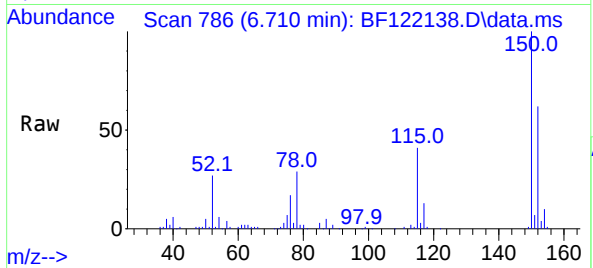
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Quant Time: Oct 27 13:27:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 26 17:27:32 2020
Response via : Initial Calibration

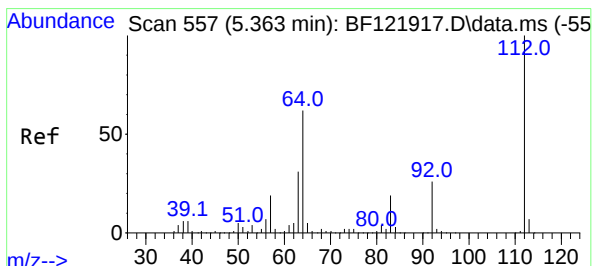
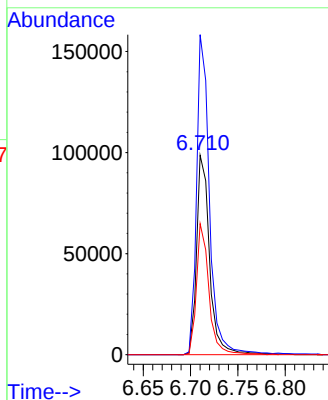
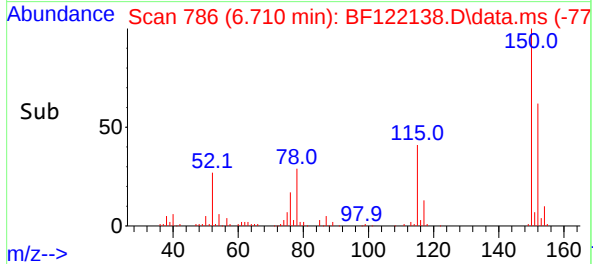




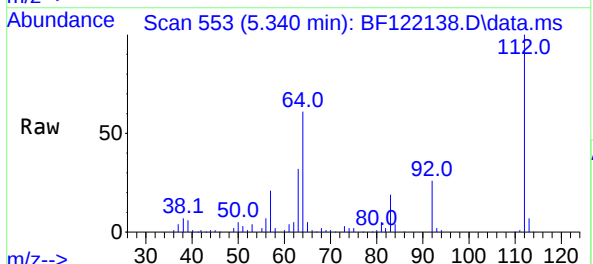
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07



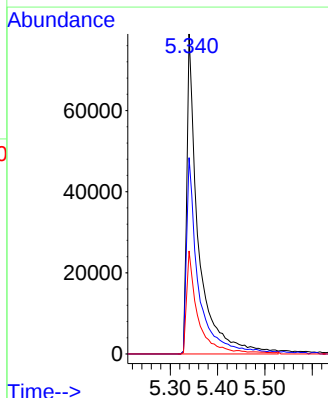
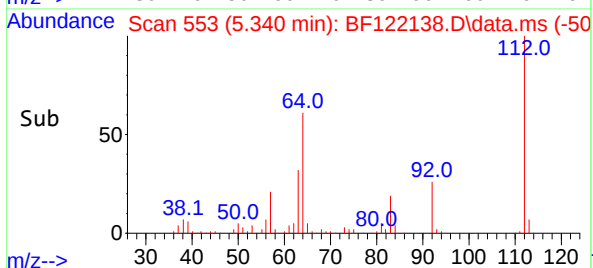
Tgt Ion:152 Resp: 94875
Ion Ratio Lower Upper
152 100
150 160.5 125.3 187.9
115 65.7 51.9 77.9



#5
2-Fluorophenol
Concen: 20.77 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07



Tgt Ion:112 Resp: 133506
Ion Ratio Lower Upper
112 100
64 61.3 50.4 75.6
63 32.2 25.8 38.6



Instrument :
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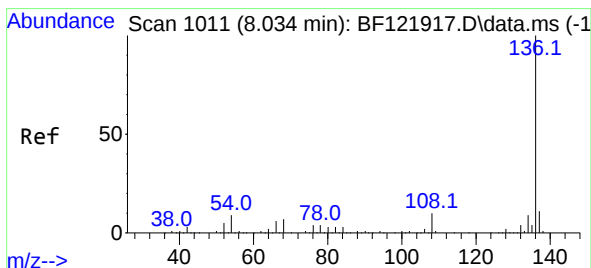
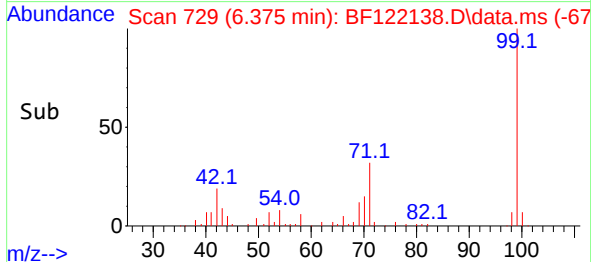
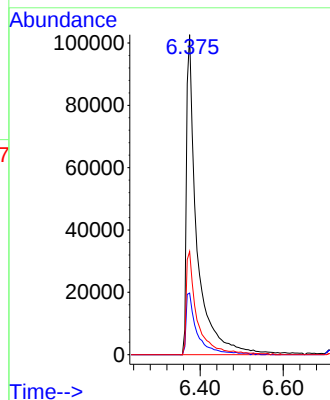
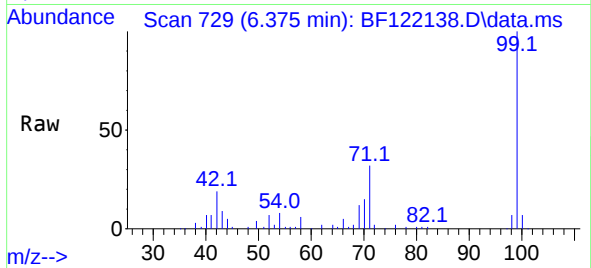
#7
Phenol-d6
Concen: 21.80 ng
RT: 6.375 min Scan# 729
Delta R.T. 0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

Tgt Ion: 99 Resp: 180432
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 32.3 27.1 40.7

Instrument :
BNA_F
ClientSampleId :
COMP-4DL

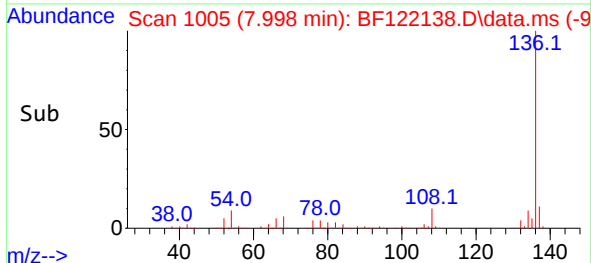
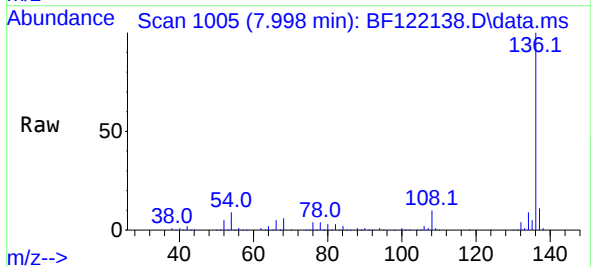
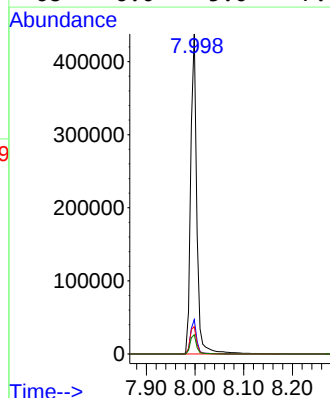
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.998 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

Tgt Ion: 136 Resp: 380341
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 7.1 10.7
68 6.0 5.0 7.4





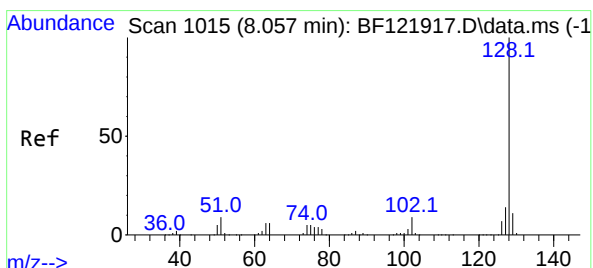
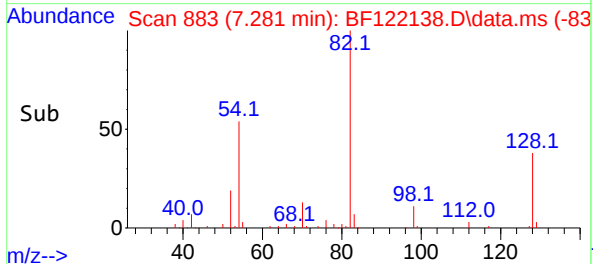
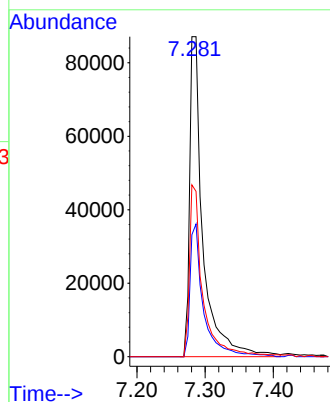
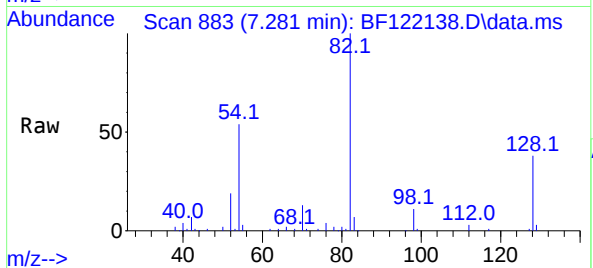
#23
Nitrobenzene-d5
Concen: 15.87 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

Tgt Ion: 82 Resp: 117705
Ion Ratio Lower Upper
82 100
128 38.1 35.0 52.4
54 53.7 43.9 65.9

Instrument :
BNA_F
ClientSampleId :
COMP-4DL

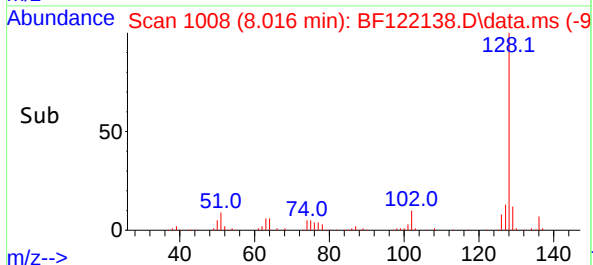
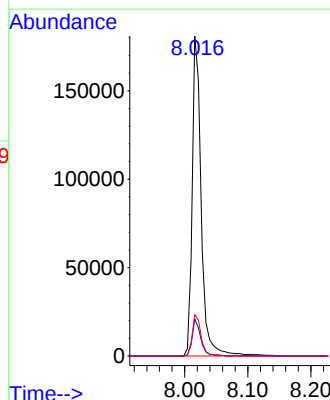
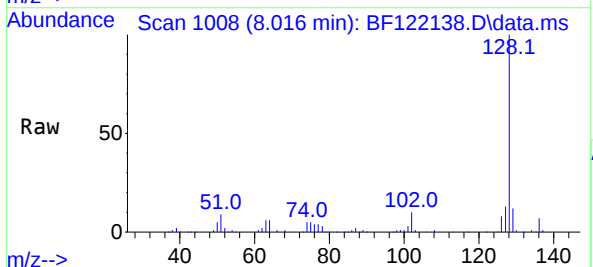
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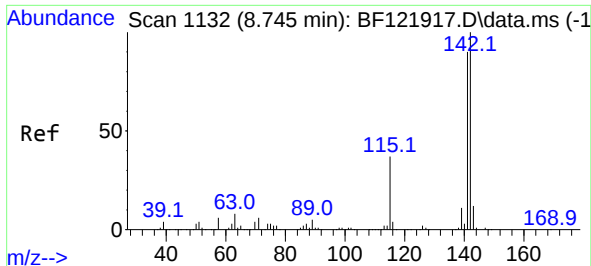
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#31
Naphthalene
Concen: 8.82 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

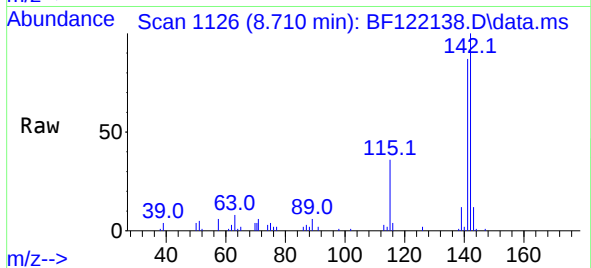
Tgt Ion: 128 Resp: 179679
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 12.9 10.8 16.2





#37
2-Methylnaphthalene
Concen: 3.09 ng
RT: 8.710 min Scan# 1126
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

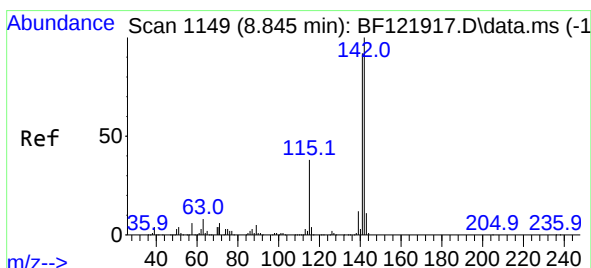
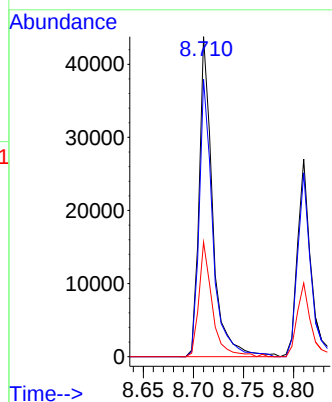
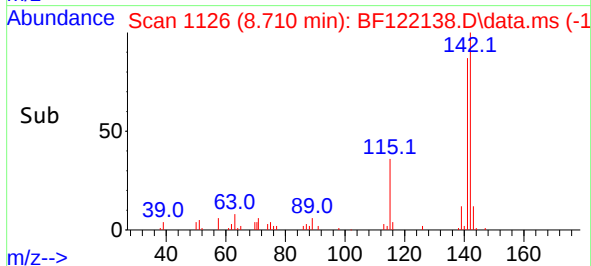
Instrument :
BNA_F
ClientSampleID :
COMP-4DL



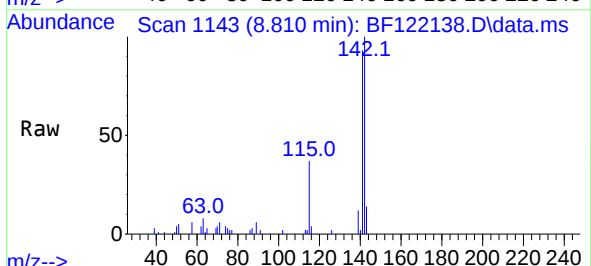
Tgt Ion:142 Resp: 40753
Ion Ratio Lower Upper
142 100
141 86.7 70.2 105.4
115 35.8 28.6 43.0

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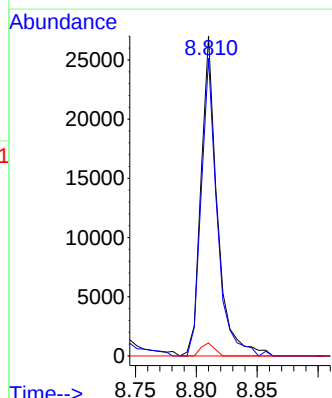
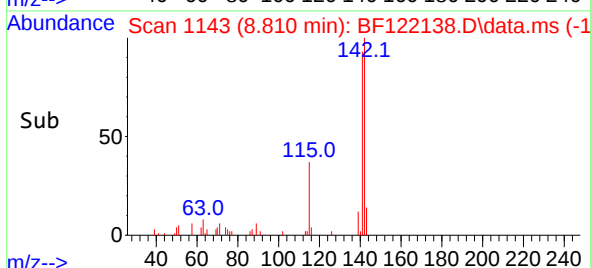
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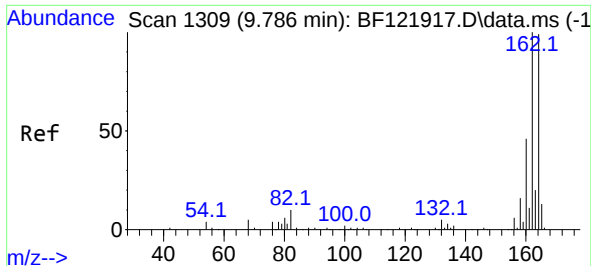


#38
1-Methylnaphthalene
Concen: 2.06 ng
RT: 8.810 min Scan# 1143
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

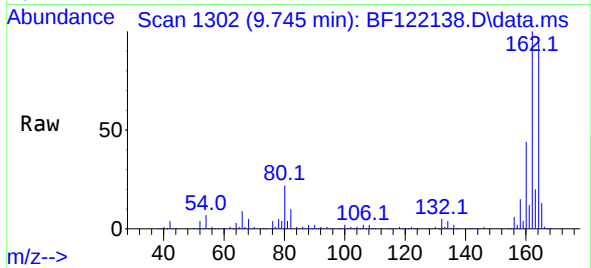


Tgt Ion:142 Resp: 25211
Ion Ratio Lower Upper
142 100
141 93.1 74.5 111.7
116 4.0 3.2 4.8

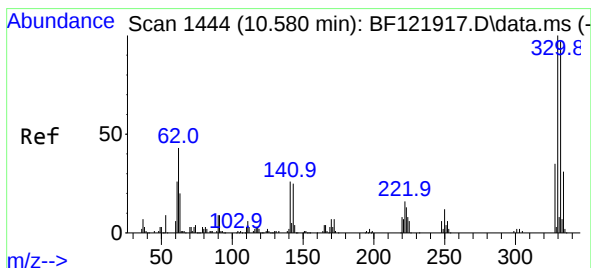
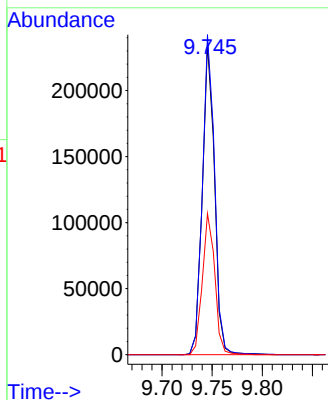
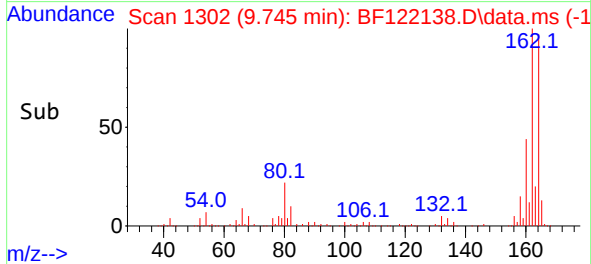




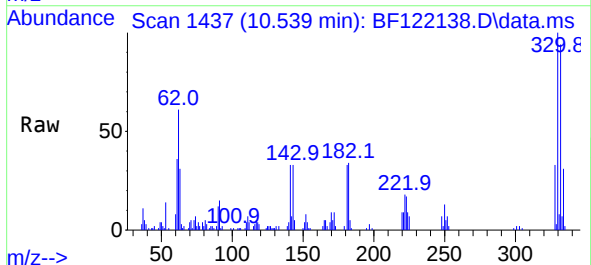
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07



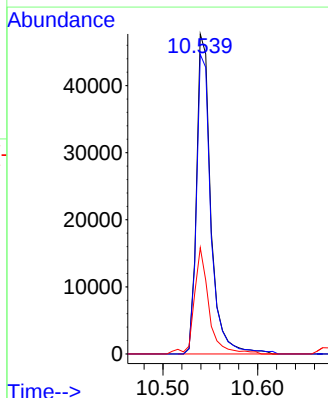
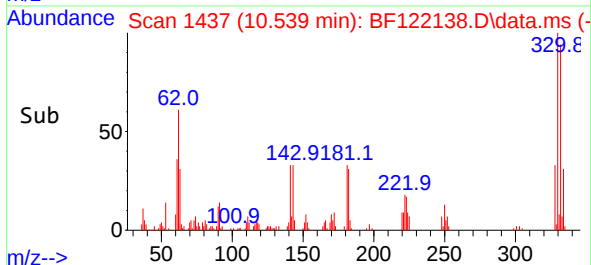
Tgt Ion:164 Resp: 199450
Ion Ratio Lower Upper
164 100
162 103.0 83.2 124.8
160 45.5 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 20.35 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07



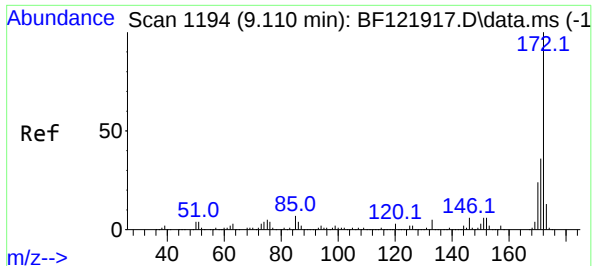
Tgt Ion:330 Resp: 50207
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 34.0 22.3 33.5#



Instrument :
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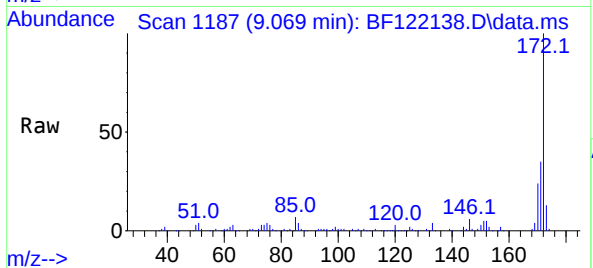
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#45
2-Fluorobiphenyl
Concen: 16.08 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

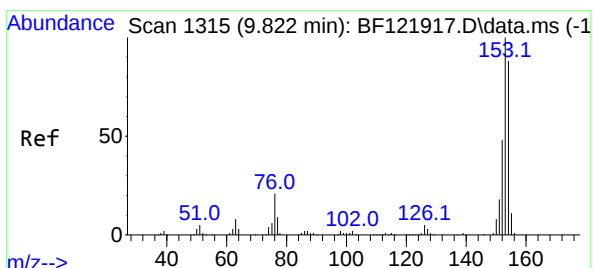
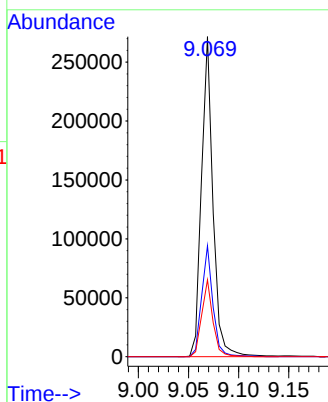
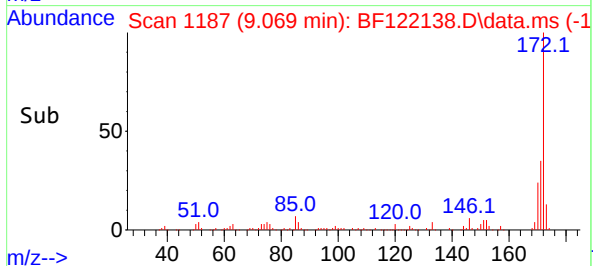
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ClientSampleId :
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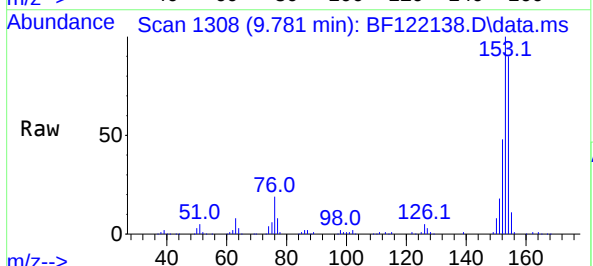
Tgt Ion:172 Resp: 217968
Ion Ratio Lower Upper
172 100
171 34.7 29.1 43.7
170 24.0 19.8 29.6

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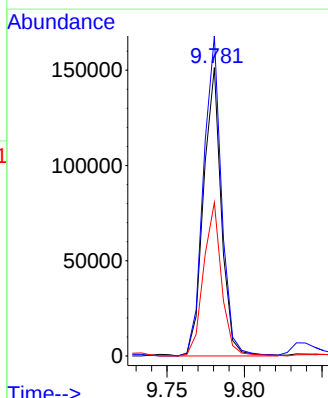
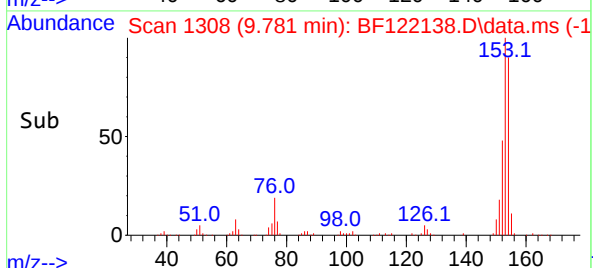
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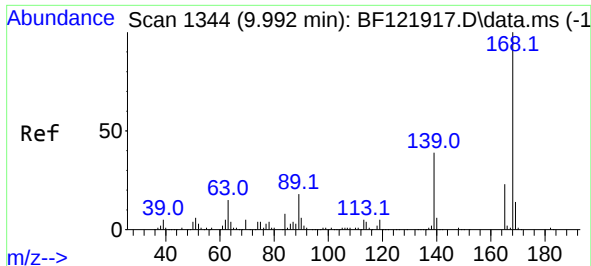


#52
Acenaphthene
Concen: 10.49 ng
RT: 9.781 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07



Tgt Ion:154 Resp: 120852
Ion Ratio Lower Upper
154 100
153 111.0 89.8 134.8
152 53.2 43.2 64.8





#55

Dibenzenofuran

Concen: 6.25 ng

RT: 9.957 min Scan# 1338

Delta R.T. 0.000 min

Lab File: BF122138.D

Acq: 27 Oct 2020 12:07

Tgt Ion:	168	Resp:	105355
Ion Ratio	Lower	Upper	
168	100		
139	35.9	31.0	46.6
169	13.9	11.3	16.9

Instrument :

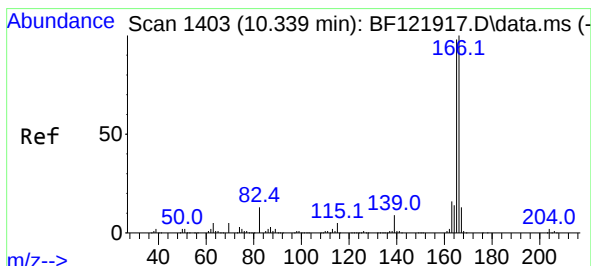
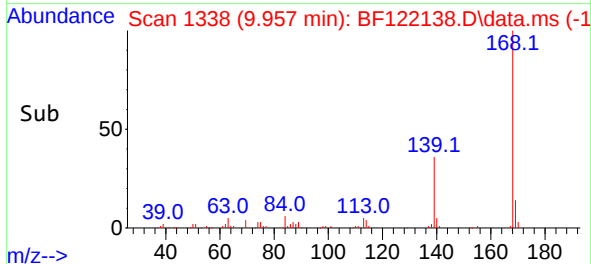
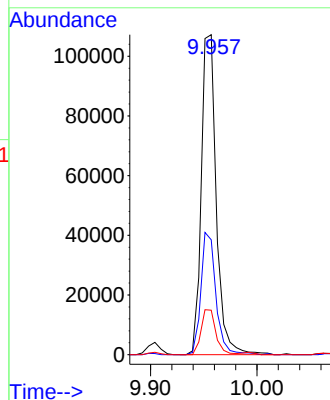
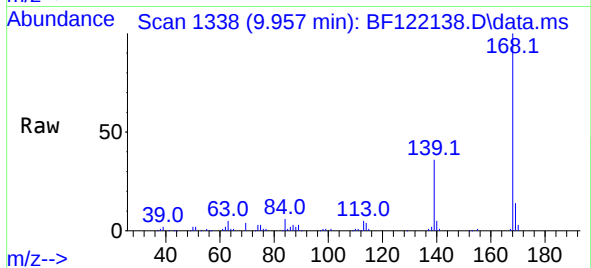
BNA_F

ClientSampleId :

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#58

Fluorene

Concen: 7.89 ng

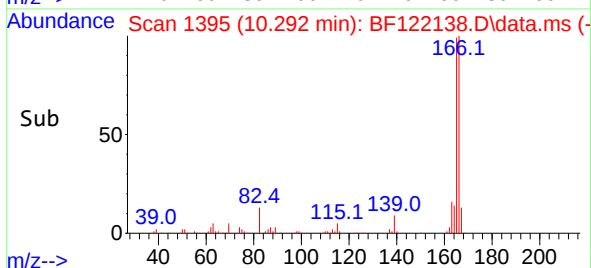
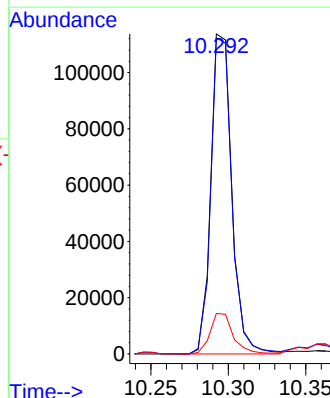
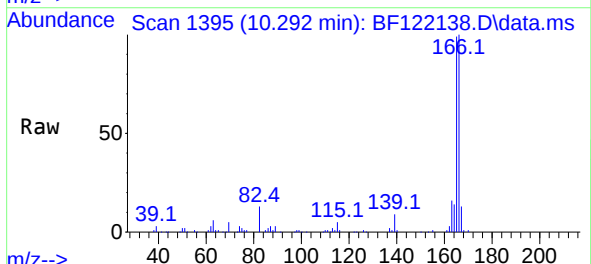
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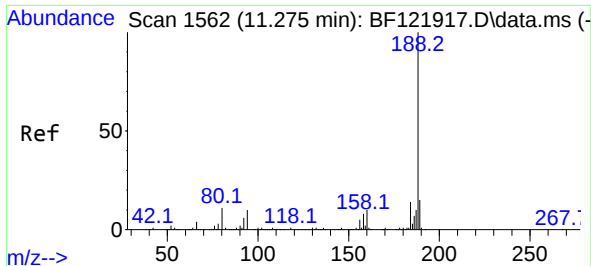
Delta R.T. -0.006 min

Lab File: BF122138.D

Acq: 27 Oct 2020 12:07

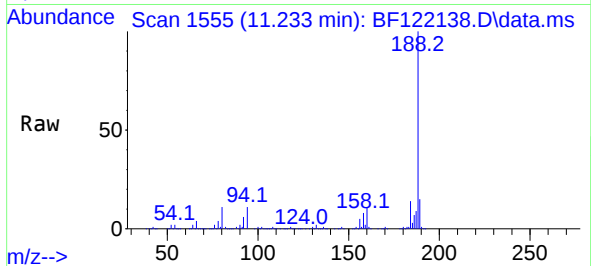
Tgt Ion:	166	Resp:	107117
Ion Ratio	Lower	Upper	
166	100		
165	98.8	79.1	118.7
167	12.6	11.0	16.6





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

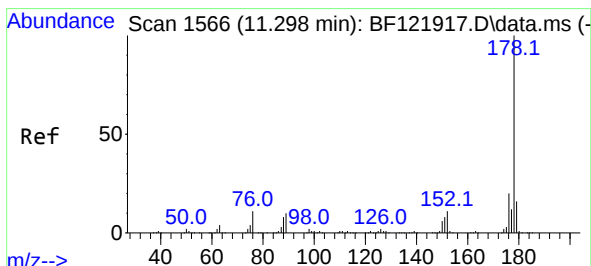
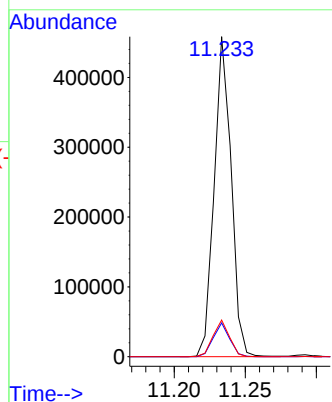
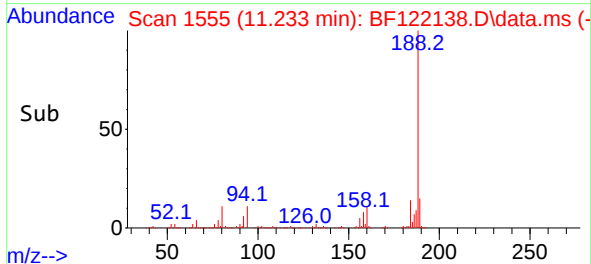
Instrument :
BNA_F
ClientSampleID :
COMP-4DL



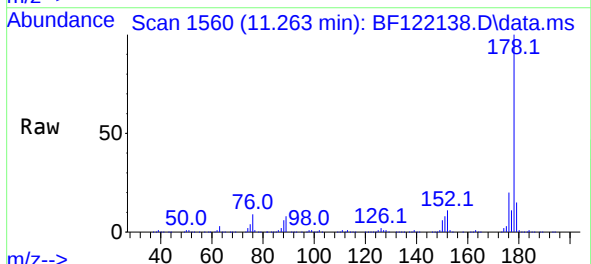
Tgt Ion:188 Resp: 380647
Ion Ratio Lower Upper
188 100
94 10.5 8.3 12.5
80 11.5 9.1 13.7

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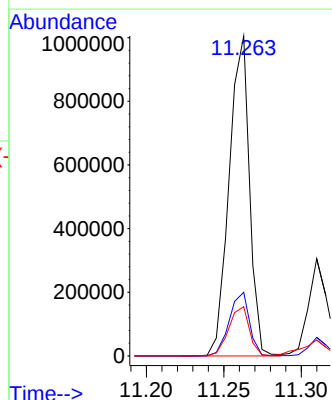
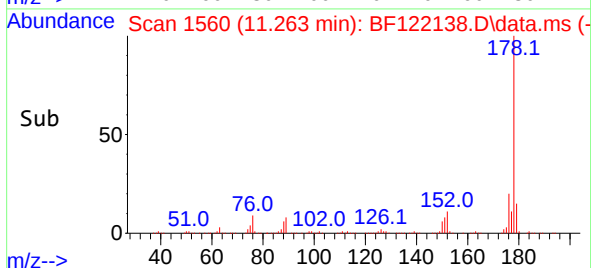
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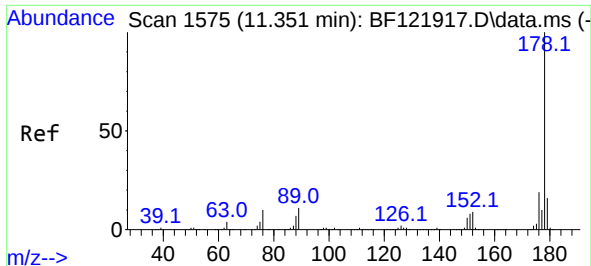


#71
Phenanthrene
Concen: 43.97 ng
RT: 11.263 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

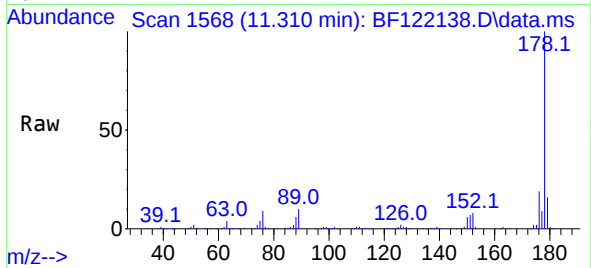


Tgt Ion:178 Resp: 917802
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.4 12.2 18.4

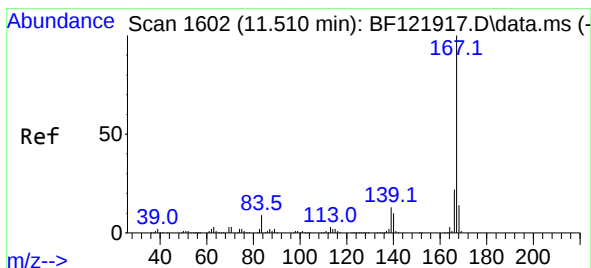
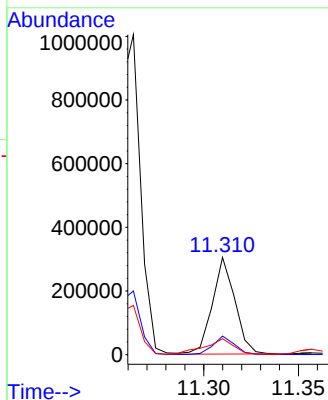
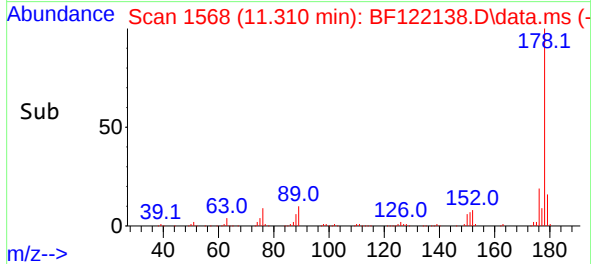




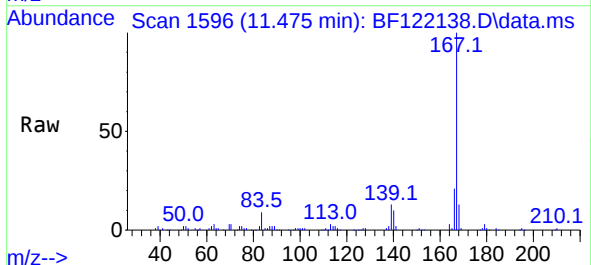
#72
 Anthracene
 Concen: 11.67 ng
 RT: 11.310 min Scan# 1568
 Delta R.T. -0.006 min
 Lab File: BF122138.D
 Acq: 27 Oct 2020 12:07



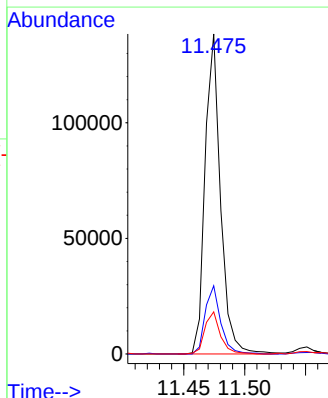
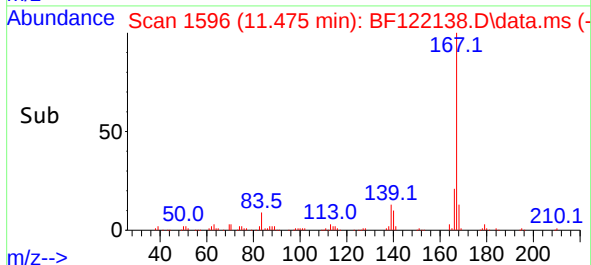
Tgt Ion:178 Resp: 252668
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.7 23.5
 179 16.5 12.7 19.1



#73
 Carbazole
 Concen: 6.35 ng
 RT: 11.475 min Scan# 1596
 Delta R.T. 0.000 min
 Lab File: BF122138.D
 Acq: 27 Oct 2020 12:07



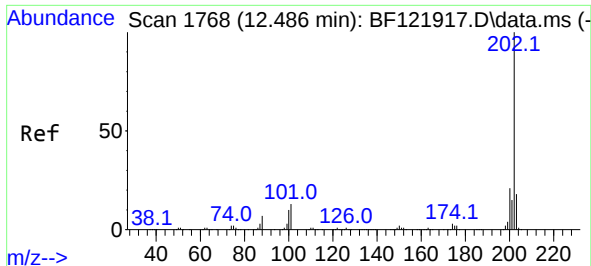
Tgt Ion:167 Resp: 122187
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.8 26.6
 139 13.1 10.8 16.2



Instrument :
 BNA_F
 ClientSampleId :
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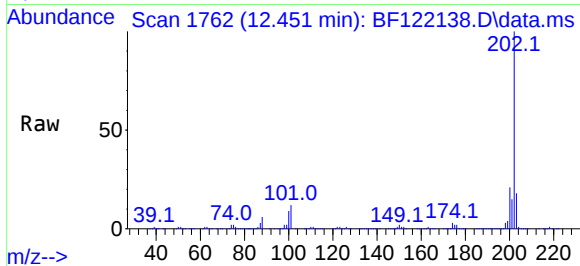
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#75
Fluoranthene
Concen: 42.22 ng
RT: 12.451 min Scan# 1762
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

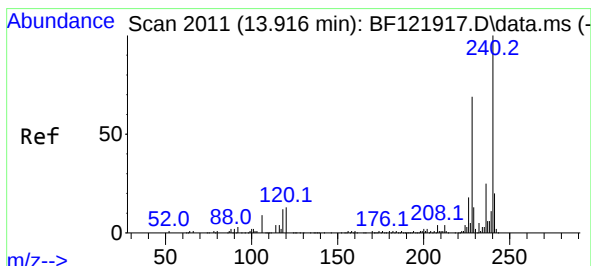
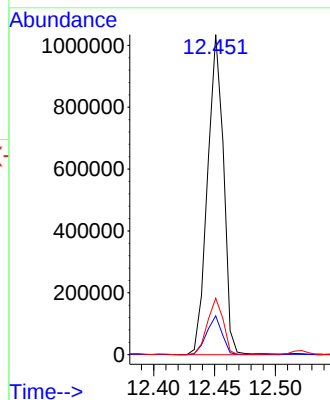
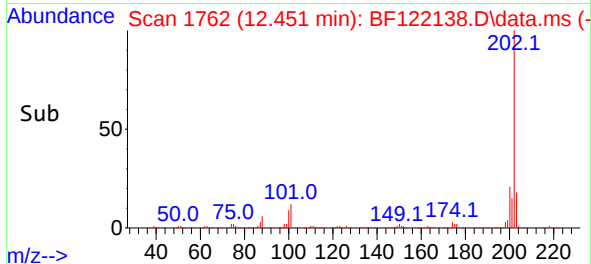
Instrument :
BNA_F
ClientSampleId :
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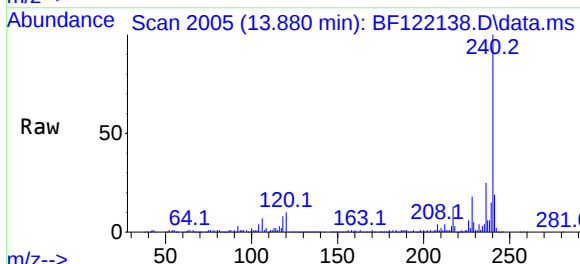
Tgt Ion:202 Resp: 944758
Ion Ratio Lower Upper
202 100
101 12.2 0.0 33.4
203 17.6 0.0 37.9

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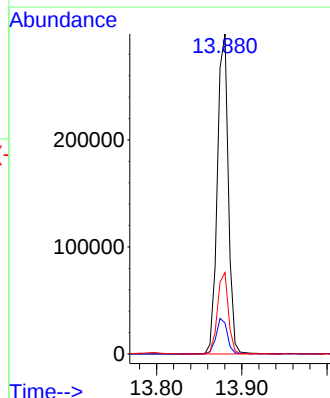
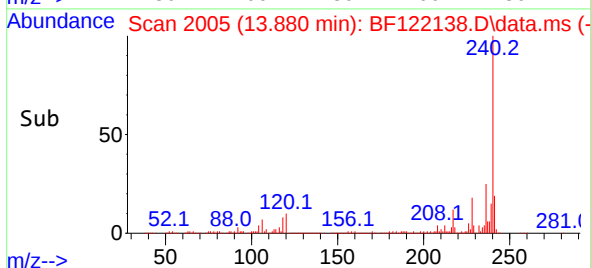
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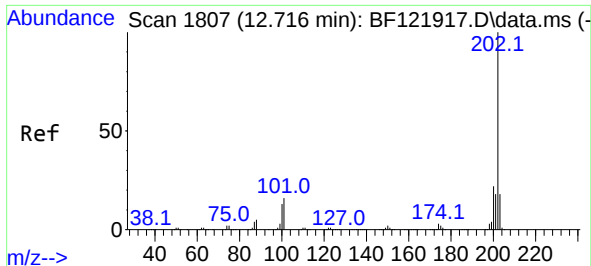


#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07



Tgt Ion:240 Resp: 268753
Ion Ratio Lower Upper
240 100
120 9.7 9.2 13.8
236 25.5 20.9 31.3





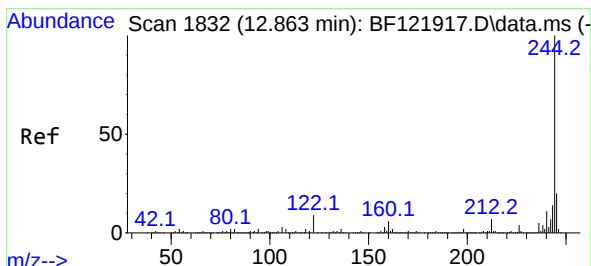
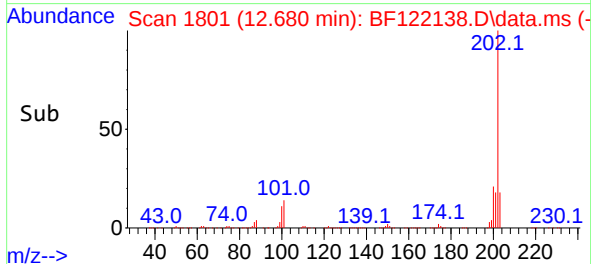
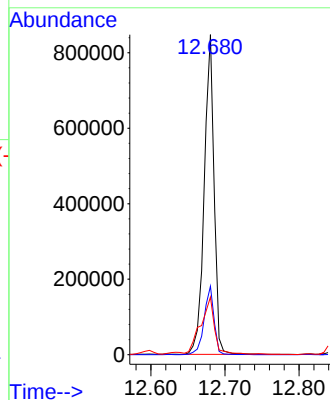
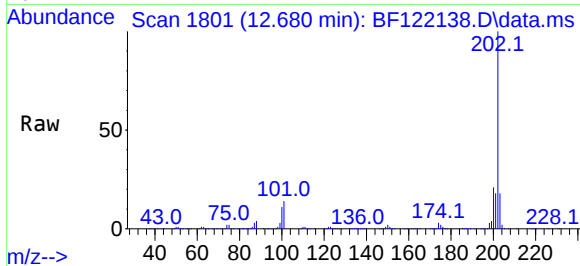
#78
Pyrene
Concen: 38.27 ng
RT: 12.680 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

Tgt Ion:202 Resp: 783710
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 18.0 14.6 21.8

Instrument :
BNA_F
ClientSampleId :
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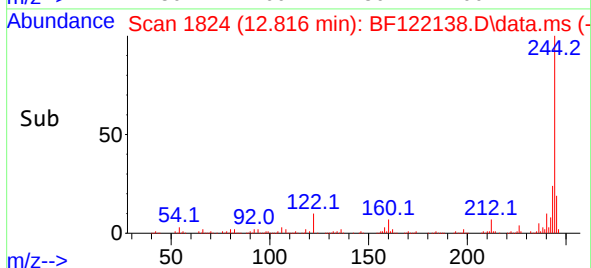
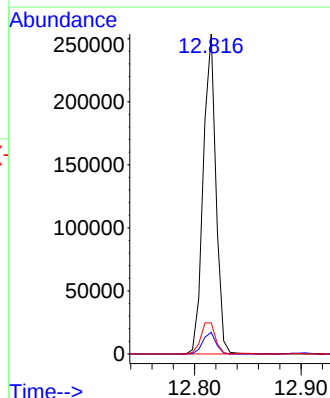
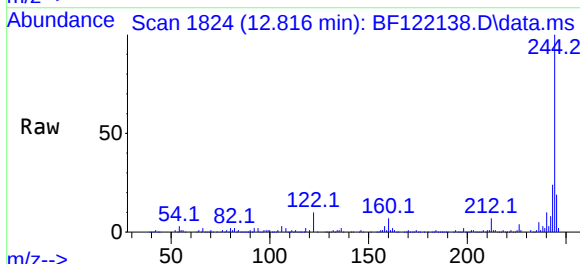
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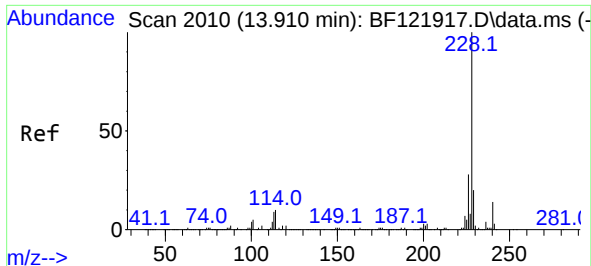
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#79
Terphenyl-d14
Concen: 14.93 ng
RT: 12.816 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

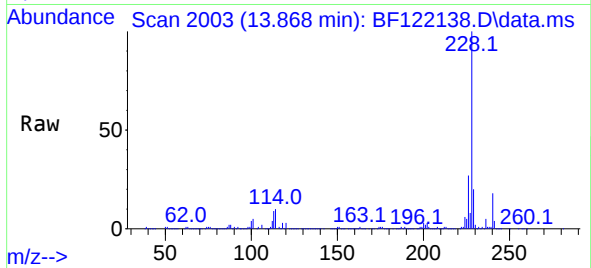
Tgt Ion:244 Resp: 210597
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 9.7 8.1 12.1





#81
Benzo(a)anthracene
Concen: 23.88 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

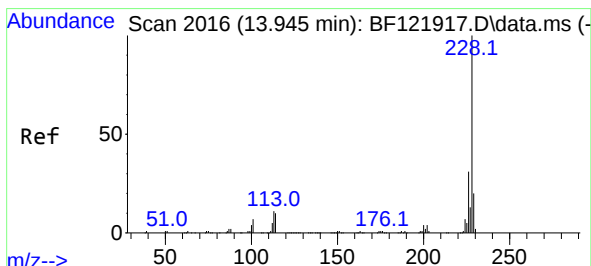
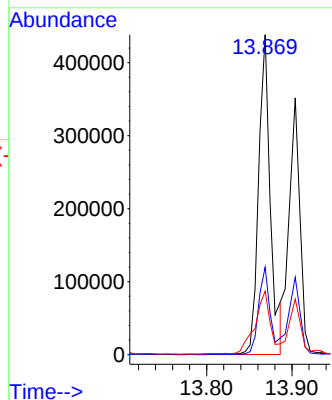
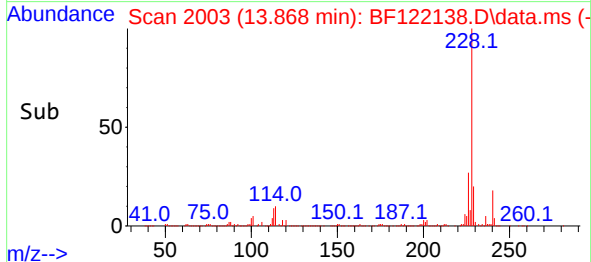
Instrument :
BNA_F
ClientSampleId :
COMP-4DL



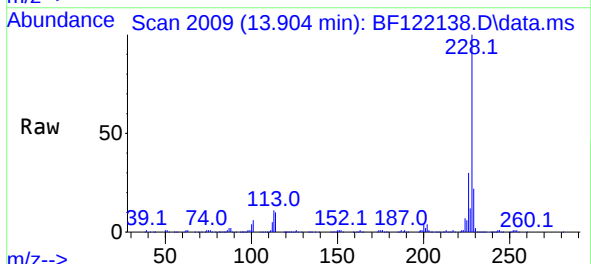
Tgt Ion:228 Resp: 420553
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 19.8 16.2 24.4

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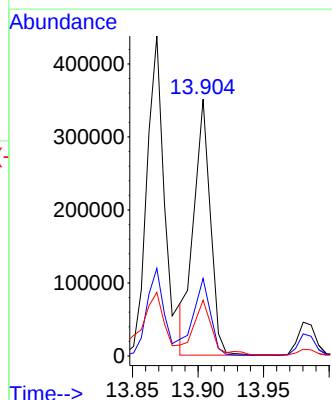
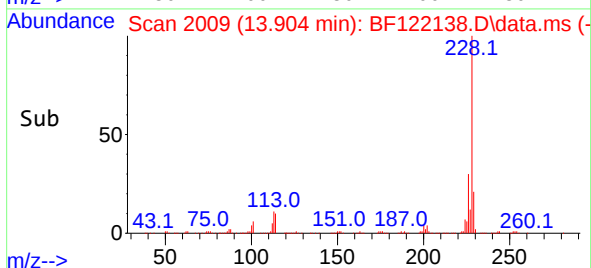
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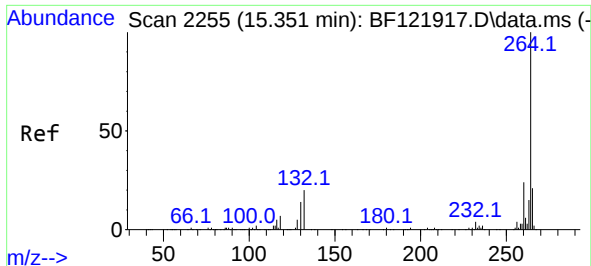


#83
Chrysene
Concen: 17.95 ng
RT: 13.904 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

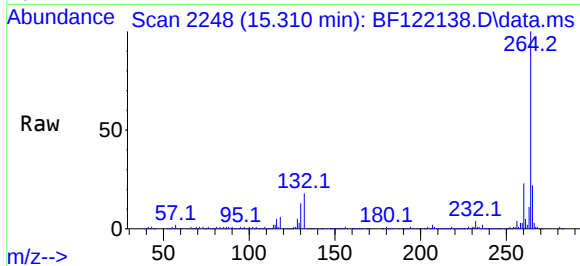


Tgt Ion:228 Resp: 310342
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 21.7 15.9 23.9

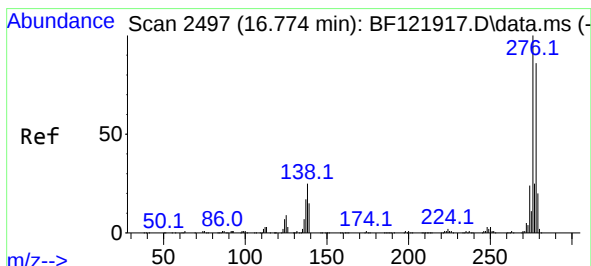
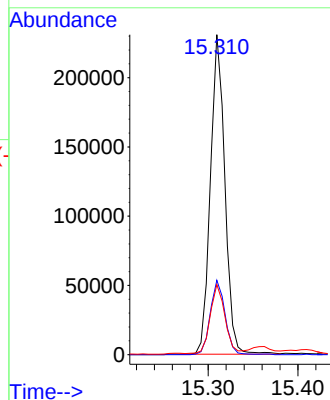
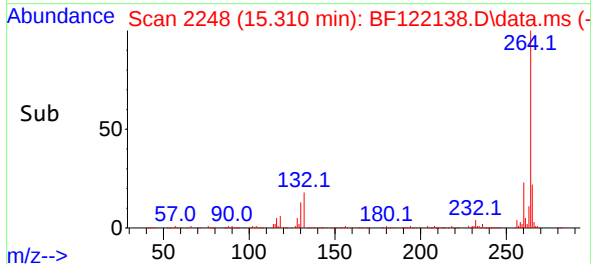




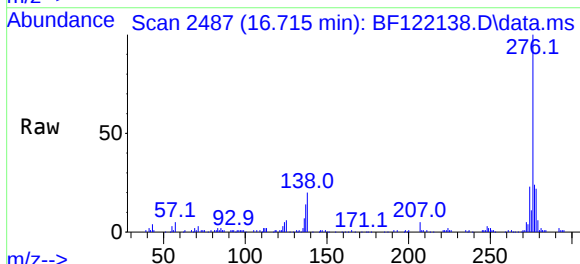
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.310 min Scan# 2248
Delta R.T. 0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07



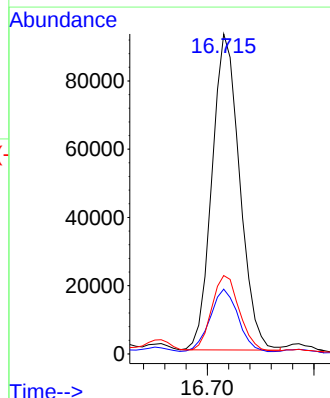
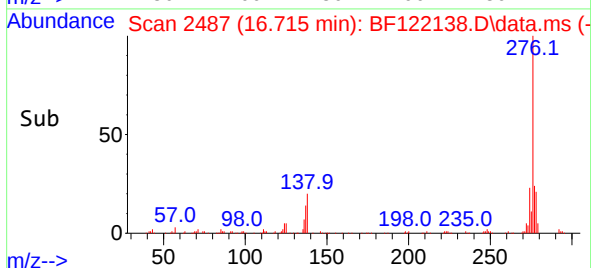
Tgt Ion:264 Resp: 258047
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.9 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.97 ng
RT: 16.715 min Scan# 2487
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07



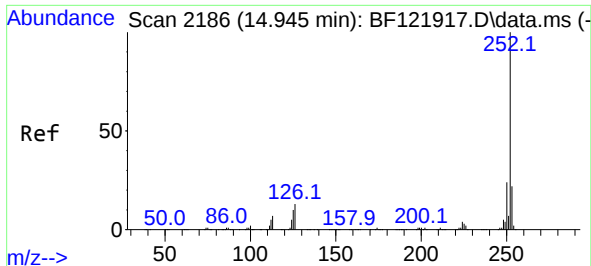
Tgt Ion:276 Resp: 167005
Ion Ratio Lower Upper
276 100
138 20.7 19.9 29.9
277 24.3 20.4 30.6



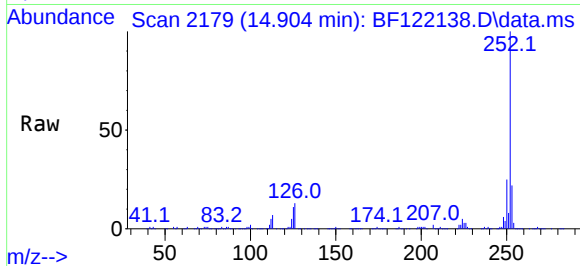
Instrument :
BNA_F
ClientSampleId :
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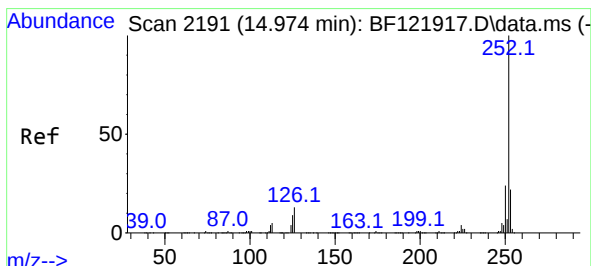
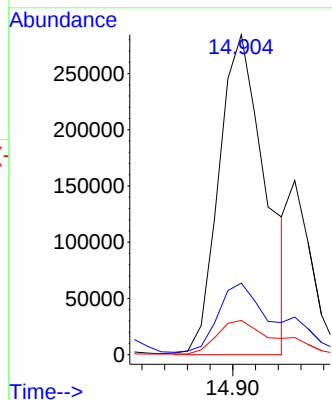
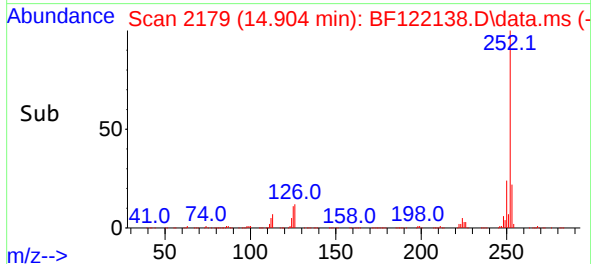
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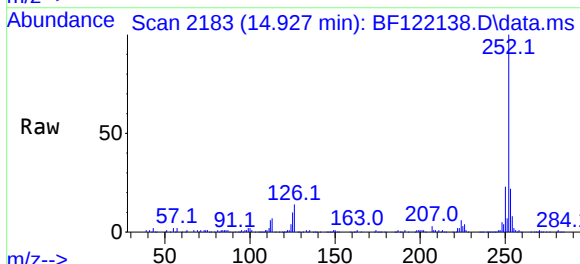
#88
Benzo(b)fluoranthene
Concen: 23.23 ng m
RT: 14.904 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07



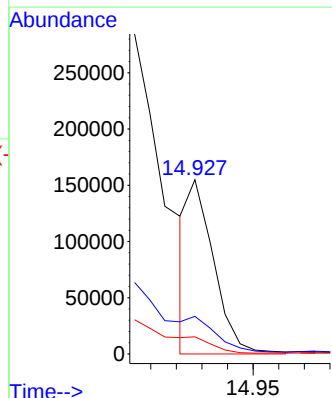
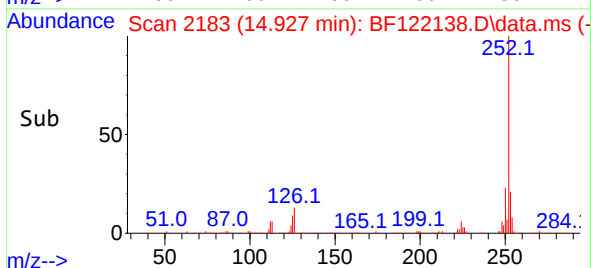
Tgt Ion:252 Resp: 405195
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 10.7 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 6.54 ng m
RT: 14.927 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07



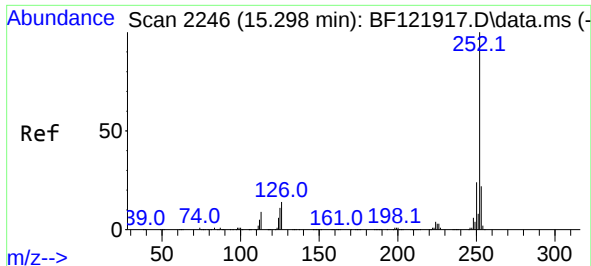
Tgt Ion:252 Resp: 108290
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.6
125 9.8 7.7 11.5



Instrument :
BNA_F
ClientSampleId :
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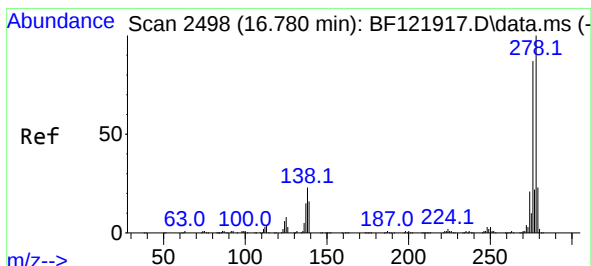
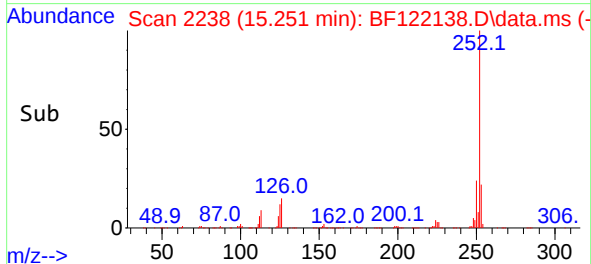
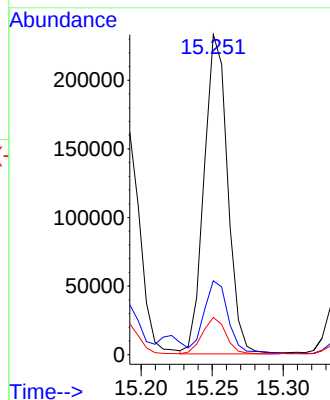
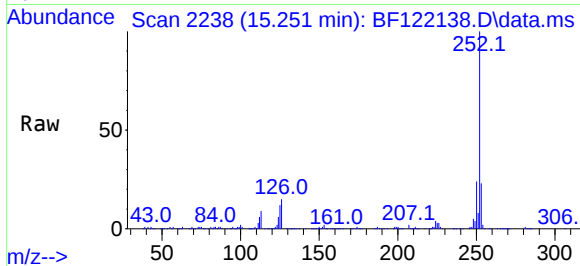
#90
Benzo(a)pyrene
Concen: 17.80 ng
RT: 15.251 min Scan# 2238
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

Tgt Ion:252 Resp: 268171
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 11.6 8.6 13.0

Instrument :
BNA_F
ClientSampleId :
COMP-4DL

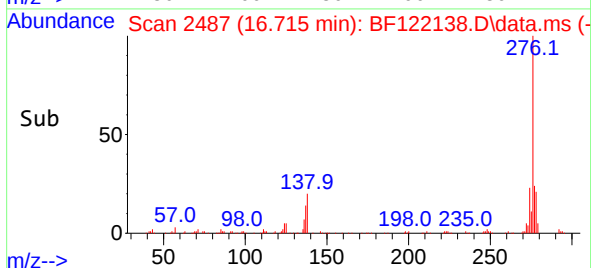
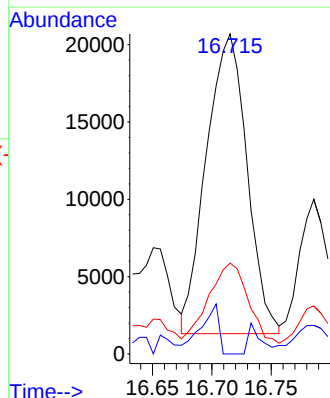
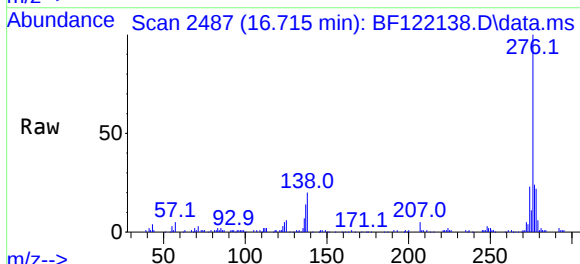
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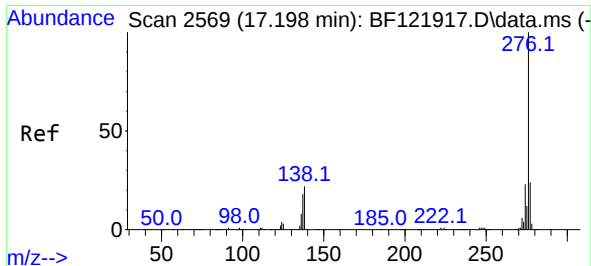
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#91
Dibenzo(a,h)anthracene
Concen: 3.35 ng m
RT: 16.715 min Scan# 2487
Delta R.T. 0.000 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

Tgt Ion:278 Resp: 46168
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.4#
279 28.4 19.0 28.4





#92
Benzo(g,h,i)perylene
Concen: 11.32 ng
RT: 17.139 min Scan# 2559
Delta R.T. 0.006 min
Lab File: BF122138.D
Acq: 27 Oct 2020 12:07

Tgt Ion:	276	Resp:	156237
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.4	29.2
138	21.2	17.8	26.6

Instrument :
BNA_F
ClientSampleId :
COMP-4DL

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