

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111720\
 Data File : BF122351.D
 Acq On : 17 Nov 2020 17:52
 Operator : JU/CG
 Sample : L4617-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BG-1-(0.5-1)

Manual Integrations
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Quant Time: Nov 18 00:22:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 12:25:42 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	293254	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	1129519	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	610026	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	1054803	20.00	ng	0.00
76) Chrysene-d12	14.039	240	725468	20.00	ng	0.00
86) Perylene-d12	15.510	264	819388	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1347872	70.58	ng	0.00
7) Phenol-d6	6.481	99	1761813	70.52	ng	-0.01
23) Nitrobenzene-d5	7.422	82	1077587	58.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	508773	77.71	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1877030	48.08	ng	0.00
79) Terphenyl-d14	12.980	244	1627372	47.52	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.863	142	79548	2.01	ng	98
38) 1-Methylnaphthalene	8.963	142	121387	3.27	ng	98
49) Acenaphthylene	9.763	152	877170	14.81	ng	99
50) Dimethylphthalate	9.616	163	475560	10.97	ng	100
58) Fluorene	10.451	166	214319	5.21	ng	97
71) Phenanthrene	11.422	178	2849538	47.61	ng	97
72) Anthracene	11.463	178	442543	7.17	ng	98
73) Carbazole	11.616	167	157614	2.81	ng	99
75) Fluoranthene	12.616	202	3333346	53.35	ng	96
78) Pyrene	12.845	202	3789572	74.35	ng	97
81) Benzo(a)anthracene	14.027	228	1630578m	36.14	ng	
83) Chrysene	14.063	228	2044175	44.98	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	940778	19.13	ng	96
88) Benzo(b)fluoranthene	15.086	252	2051767m	38.66	ng	
89) Benzo(k)fluoranthene	15.104	252	728016m	14.07	ng	
90) Benzo(a)pyrene	15.451	252	1547764	33.46	ng	96
91) Dibenzo(a,h)anthracene	16.986	278	250816m	6.09	ng	
92) Benzo(g,h,i)perylene	17.427	276	956919	23.89	ng	99

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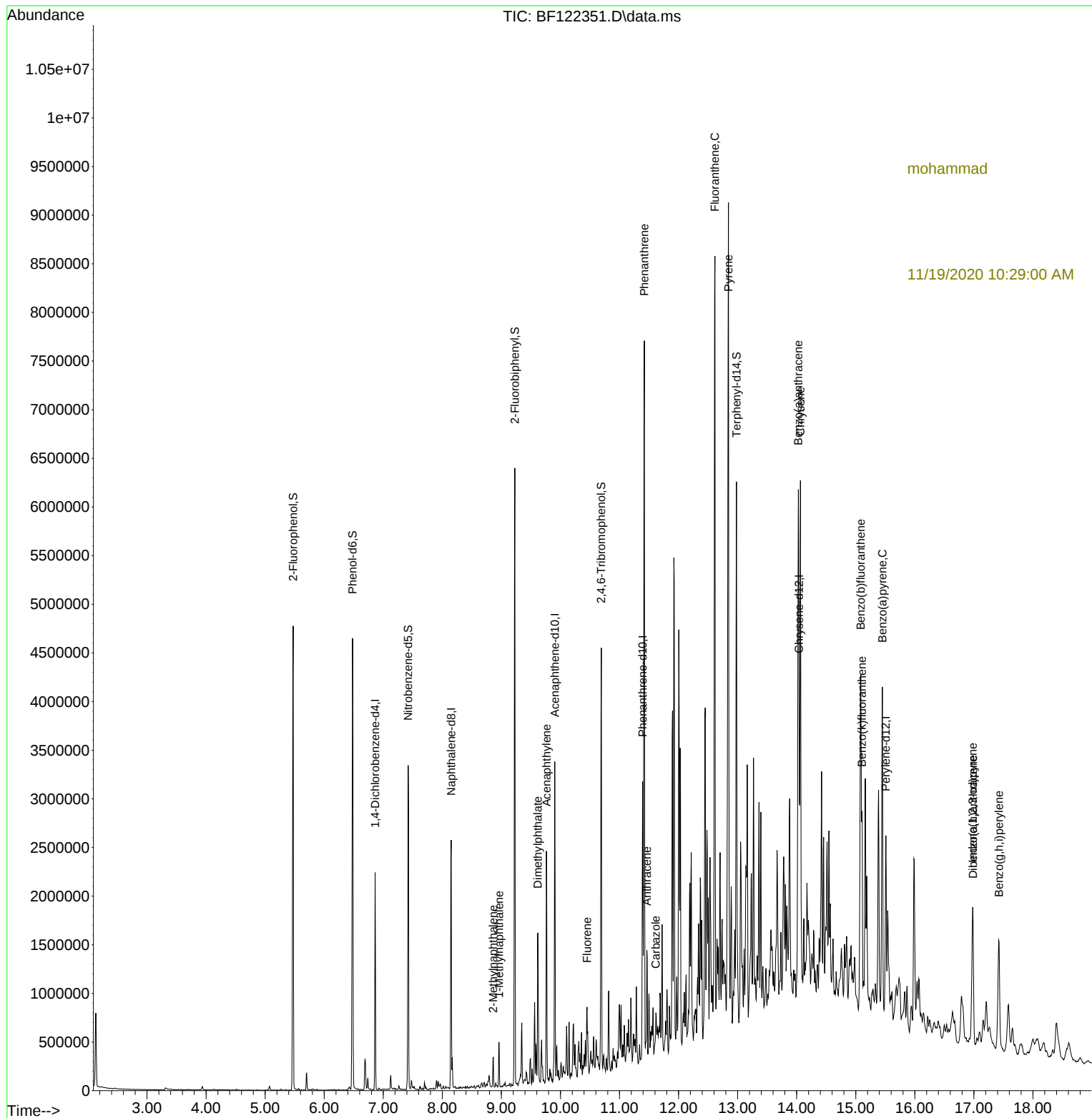
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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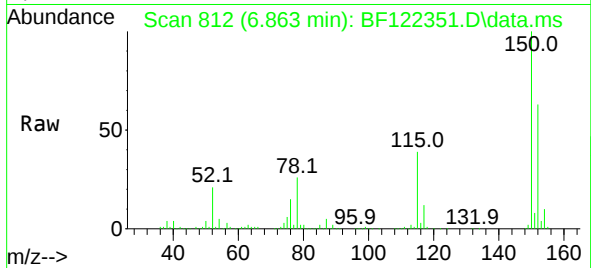
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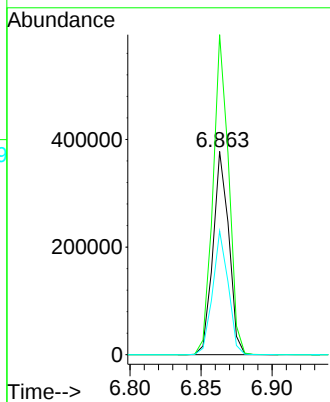
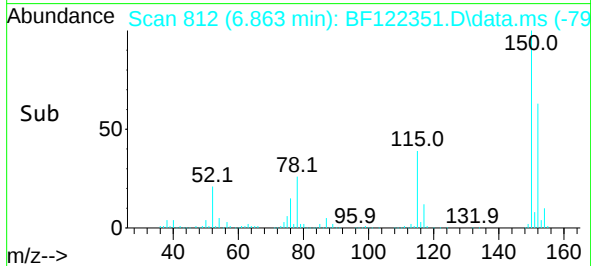




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52



Tgt Ion:152 Resp: 293254
Ion Ratio Lower Upper
152 100
150 157.5 125.3 187.9
115 60.9 51.9 77.9

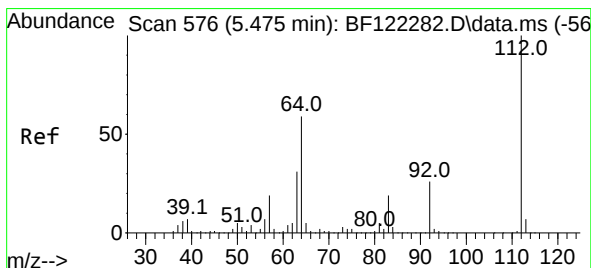


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ClientSampleId :
BG-1-(0.5-1)

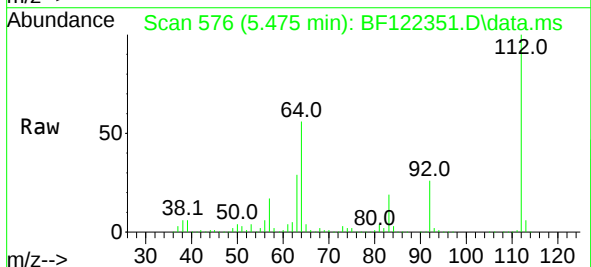
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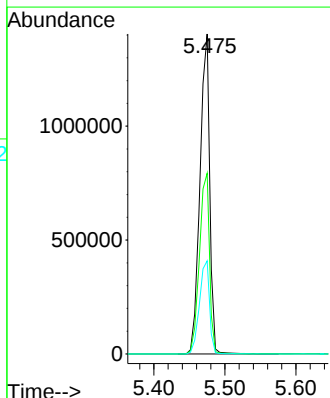
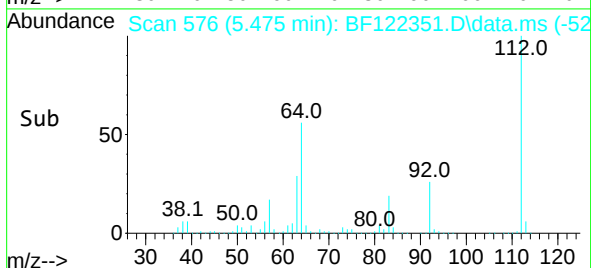
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#5
2-Fluorophenol
Concen: 70.58 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52



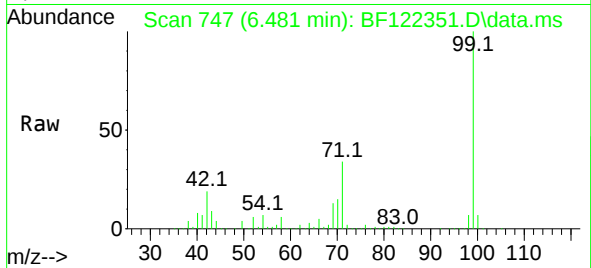
Tgt Ion:112 Resp: 1347872
Ion Ratio Lower Upper
112 100
64 56.5 50.4 75.6
63 29.1 25.8 38.6





#7
Phenol-d6
Concen: 70.52 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.011 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

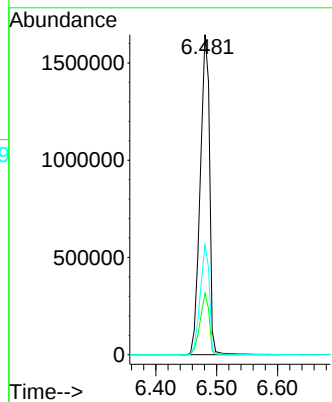
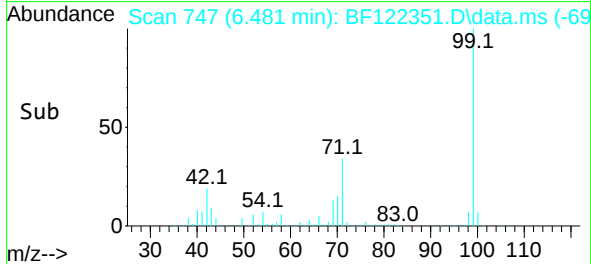
Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)



Tgt Ion: 99 Resp: 1761813

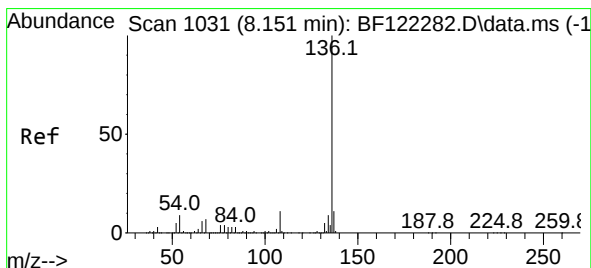
Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.9	23.9
71	34.3	27.1	40.7

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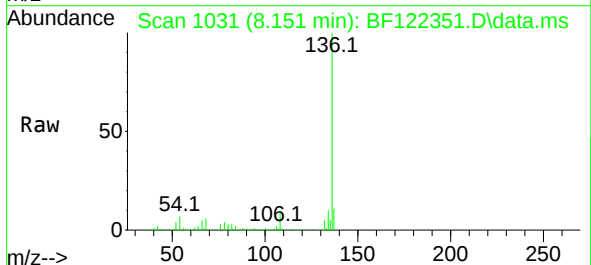


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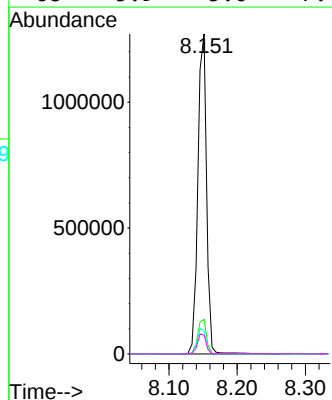
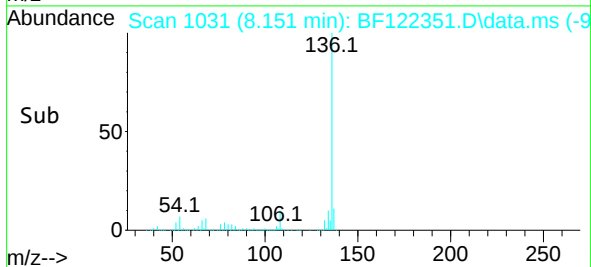


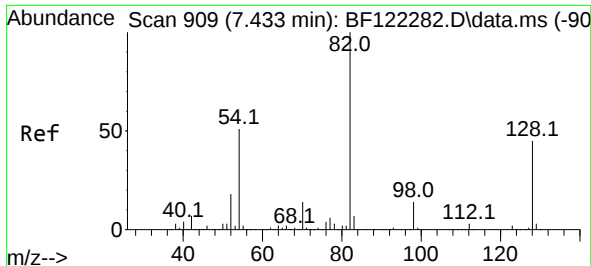
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52



Tgt Ion: 136 Resp: 1129519

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.3	7.1	10.7
68	5.9	5.0	7.4





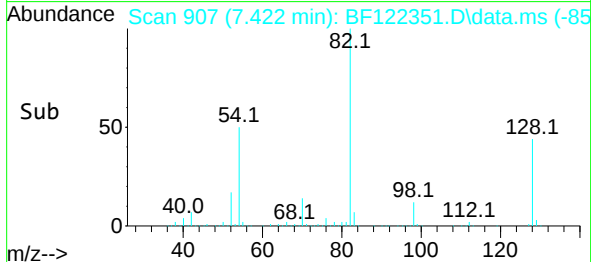
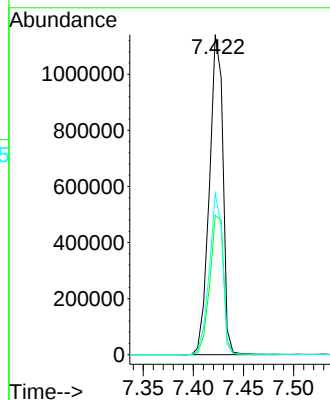
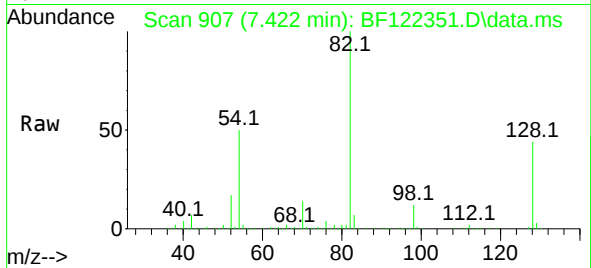
#23
Nitrobenzene-d5
Concen: 58.41 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.011 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion: 82 Resp: 1077587

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.0	52.4
54	50.4	43.9	65.9

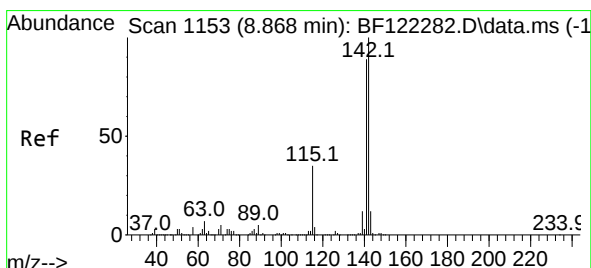
Instrument :
BNA_F
ClientSampleId :
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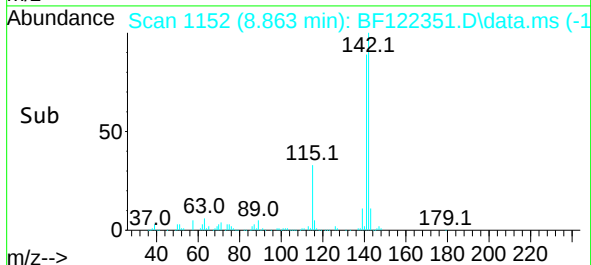
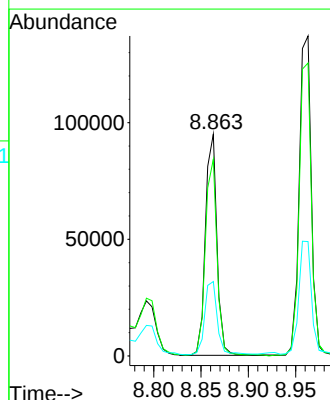
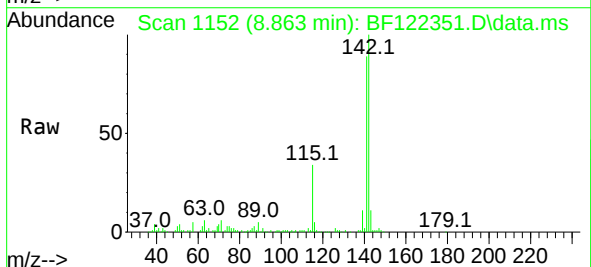
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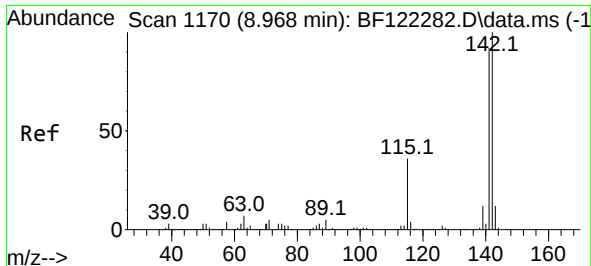


#37
2-Methylnaphthalene
Concen: 2.01 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion: 142 Resp: 79548

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.2	105.4
115	33.6	28.6	43.0



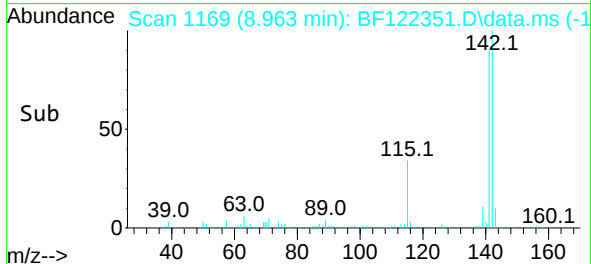
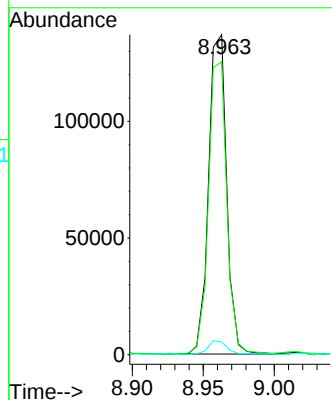
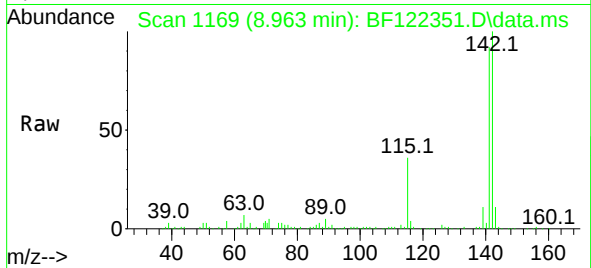


#38
1-Methylnaphthalene
Concen: 3.27 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

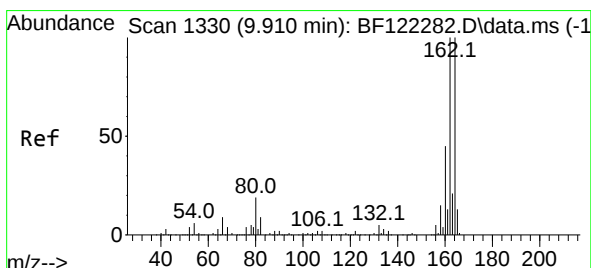
Tgt Ion:142 Resp: 121387
Ion Ratio Lower Upper
142 100
141 91.5 74.5 111.7
116 3.9 3.2 4.8

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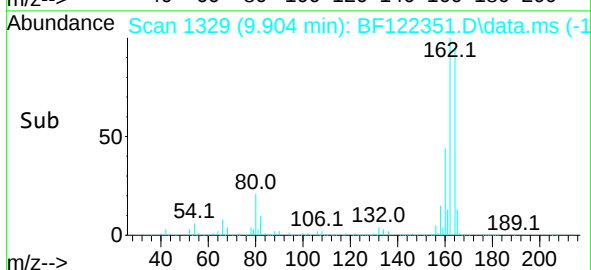
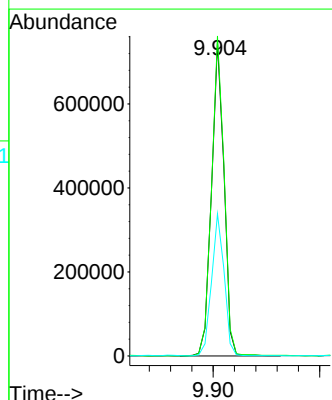
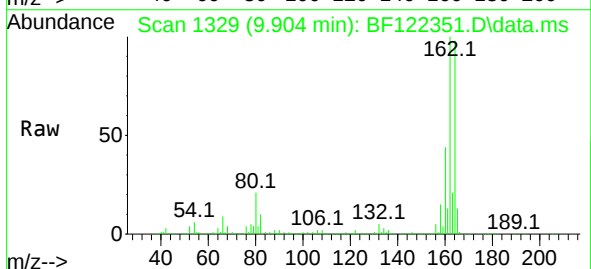
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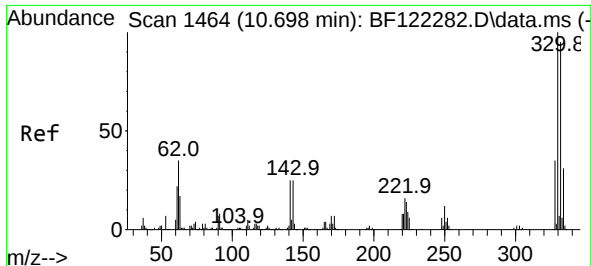
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:164 Resp: 610026
Ion Ratio Lower Upper
164 100
162 102.1 83.2 124.8
160 45.3 37.5 56.3



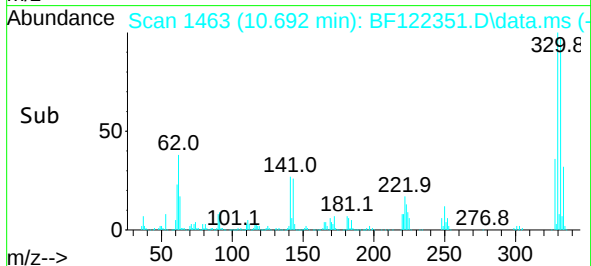
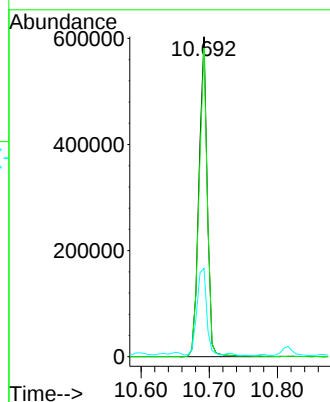
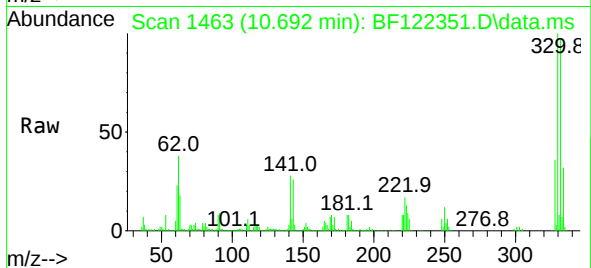


#42
2,4,6-Tribromophenol
Concen: 77.71 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion: 330 Resp: 508773
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 31.3 22.3 33.5

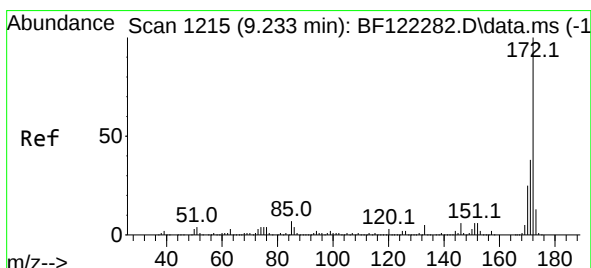
Instrument :
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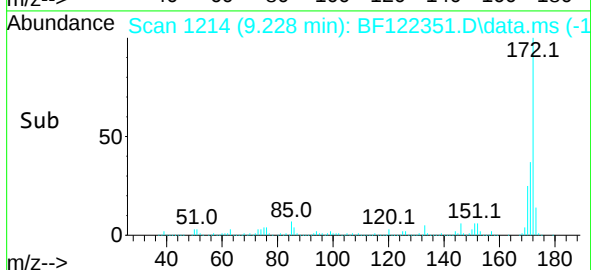
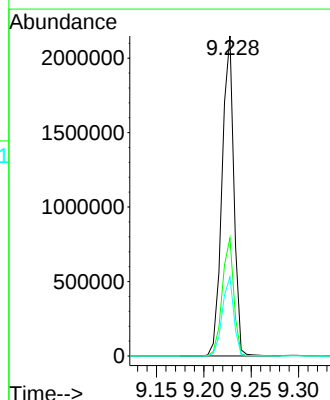
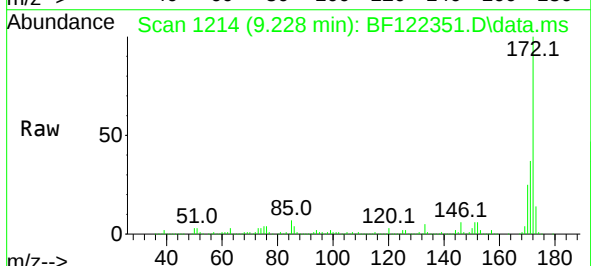
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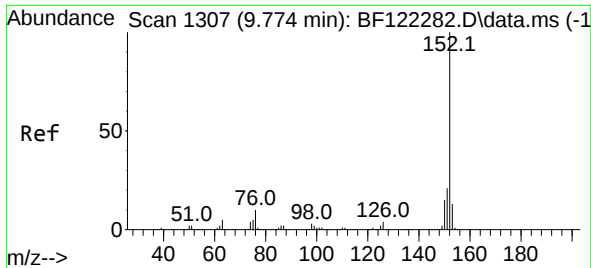
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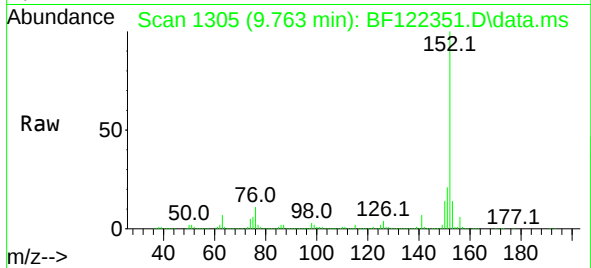
#45
2-Fluorobiphenyl
Concen: 48.08 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion: 172 Resp: 1877030
Ion Ratio Lower Upper
172 100
171 36.9 29.1 43.7
170 24.8 19.8 29.6

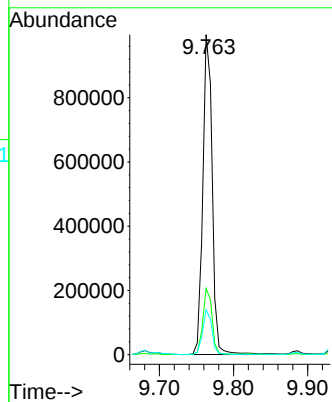
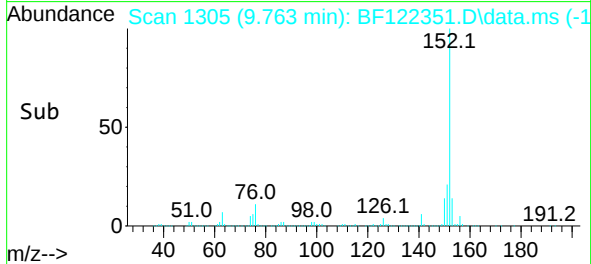




#49
Acenaphthylene
Concen: 14.81 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.011 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52



Tgt Ion:152 Resp: 877170
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6
153 14.0 10.6 15.8

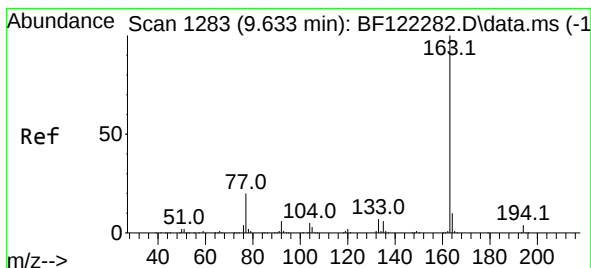


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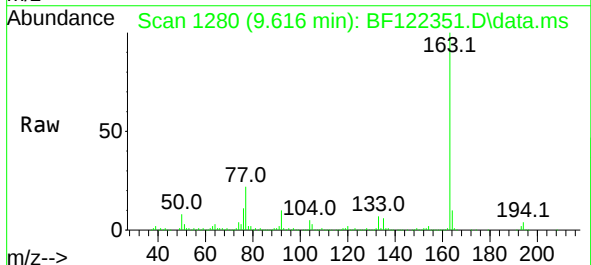
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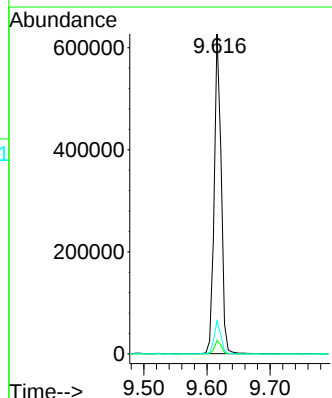
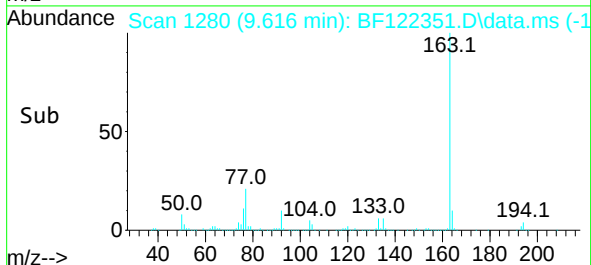
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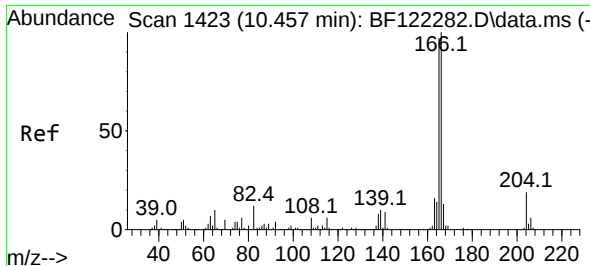


#50
Dimethylphthalate
Concen: 10.97 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52



Tgt Ion:163 Resp: 475560
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.3 8.2 12.4



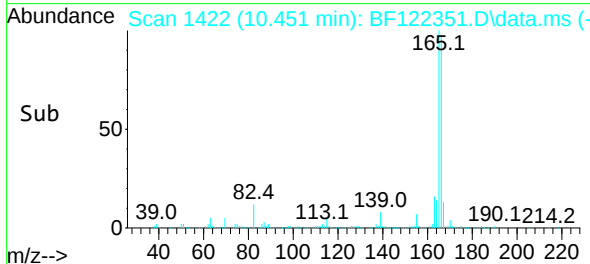
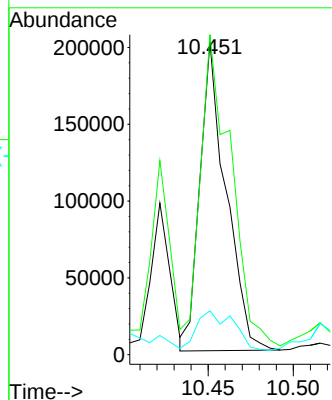
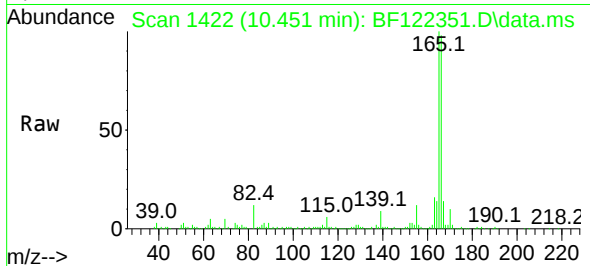


#58
Fluorene
Concen: 5.21 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:166 Resp: 214319
Ion Ratio Lower Upper
166 100
165 102.2 79.1 118.7
167 14.0 11.0 16.6

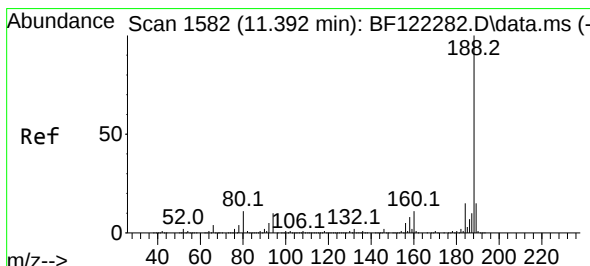
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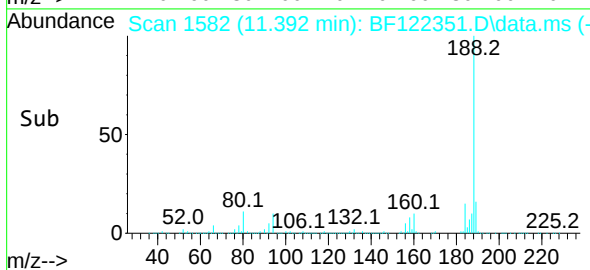
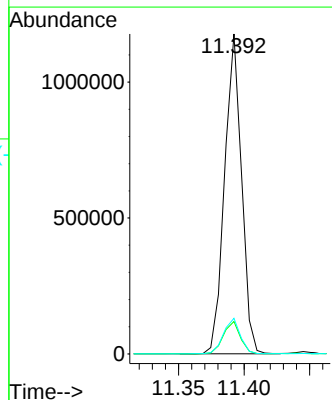
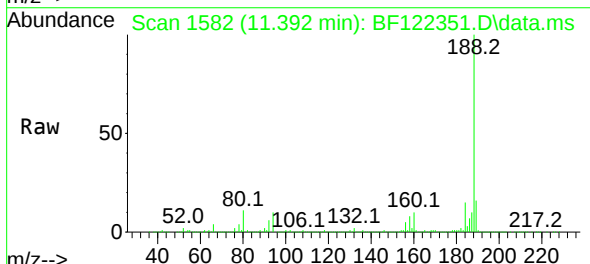
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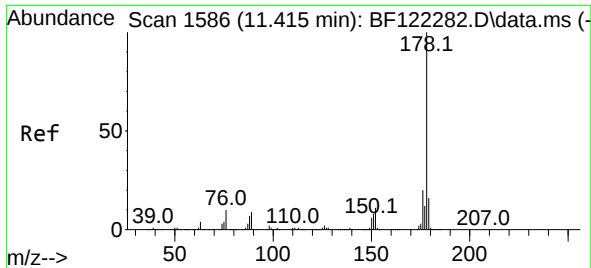
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:188 Resp: 1054803
Ion Ratio Lower Upper
188 100
94 10.2 8.3 12.5
80 11.2 9.1 13.7



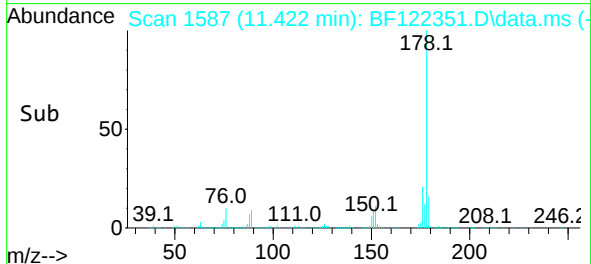
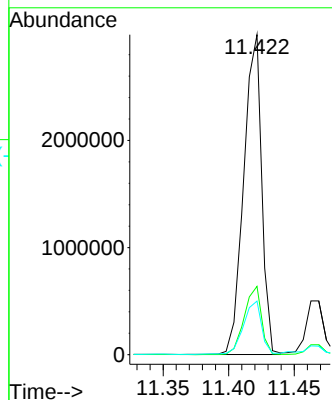
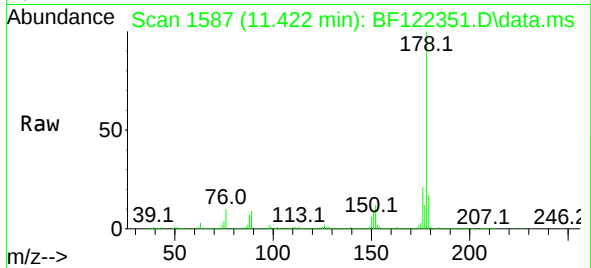


#71
Phenanthrene
Concen: 47.61 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:	178	Resp:	2849538
Ion Ratio	100	Lower	Upper
176	21.4	15.9	23.9
179	16.7	12.2	18.4

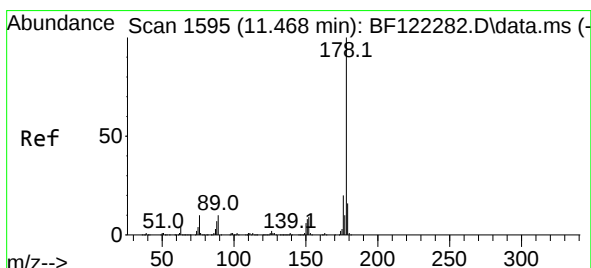
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ClientSampleId :
BG-1-(0.5-1)

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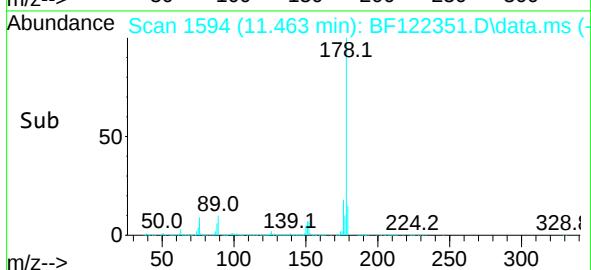
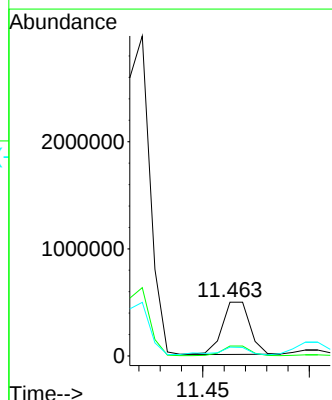
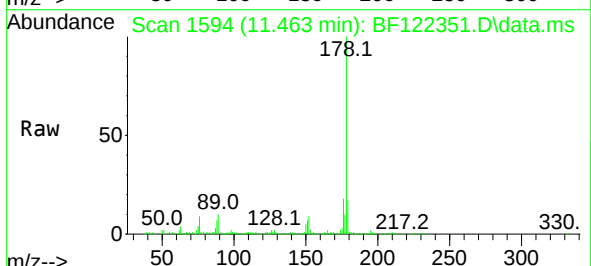
mohammad

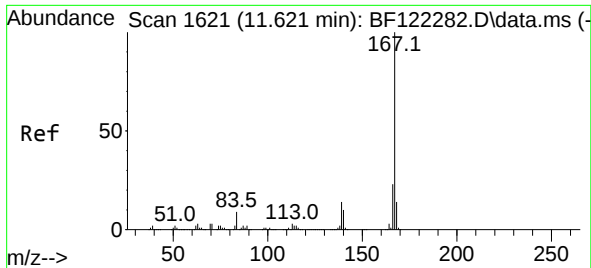
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#72
Anthracene
Concen: 7.17 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:	178	Resp:	442543
Ion Ratio	100	Lower	Upper
176	18.4	15.7	23.5
179	16.5	12.7	19.1



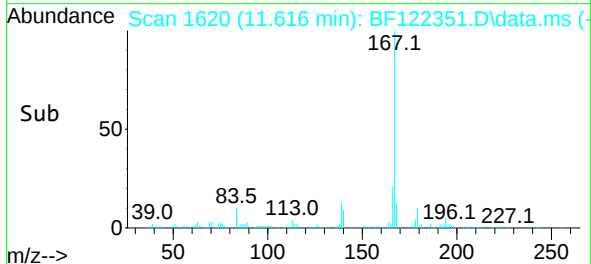
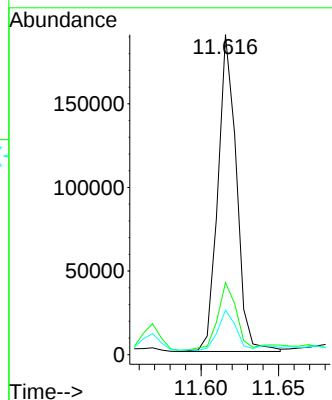
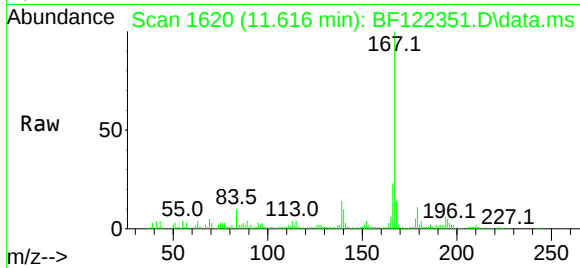


#73
 Carbazole
 Concen: 2.81 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF122351.D
 Acq: 17 Nov 2020 17:52

Tgt Ion:167	Resp: 157614
Ion Ratio	Lower Upper
167 100	
166 22.5	17.8 26.6
139 13.9	10.8 16.2

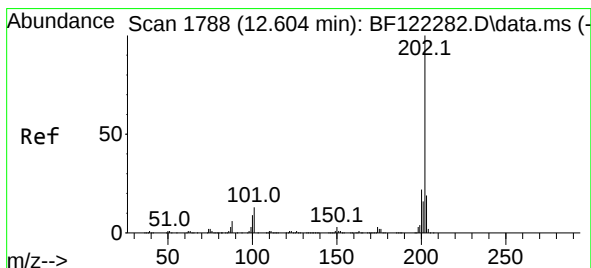
Instrument :
 BNA_F
 ClientSampleId :
 BG-1-(0.5-1)

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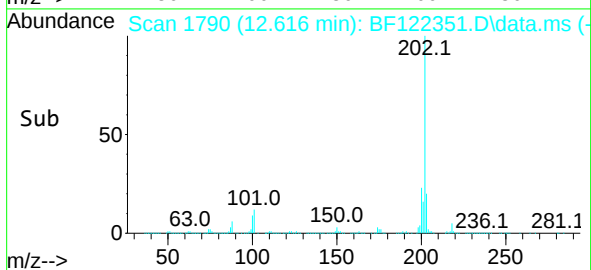
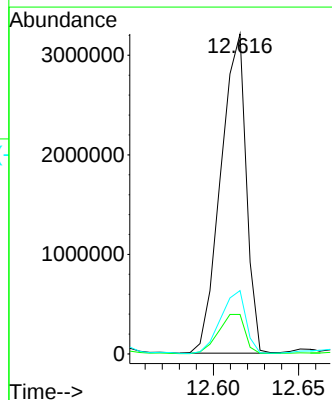
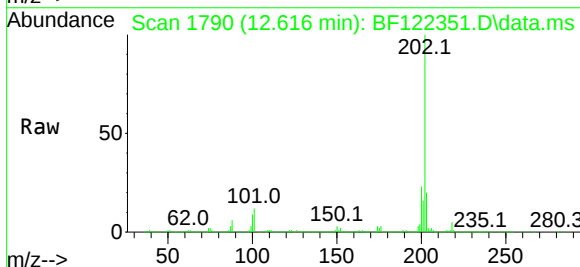
mohammad

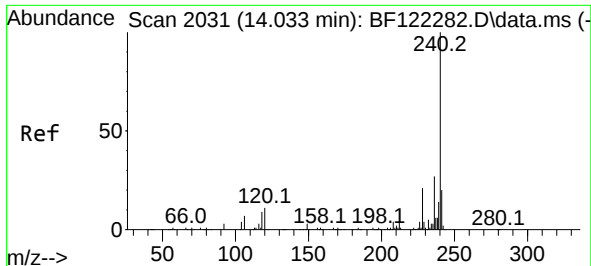
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#75
 Fluoranthene
 Concen: 53.35 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.012 min
 Lab File: BF122351.D
 Acq: 17 Nov 2020 17:52

Tgt Ion:202	Resp: 3333346		
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.4
203	19.8	0.0	37.9



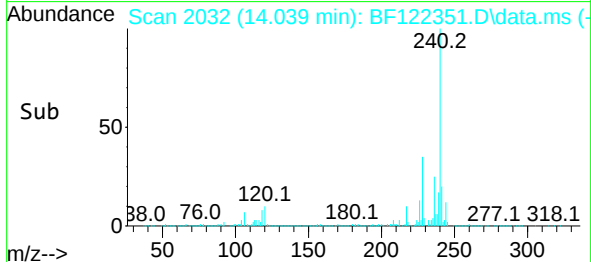
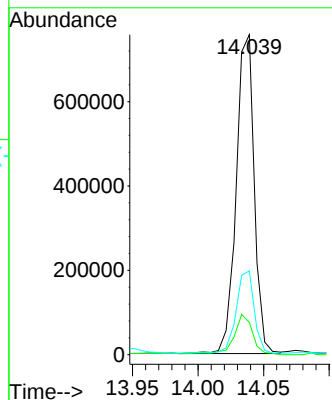
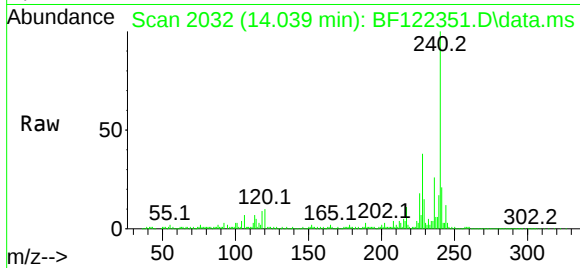


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:240 Resp: 725468
Ion Ratio Lower Upper
240 100
120 10.1 9.2 13.8
236 26.2 20.9 31.3

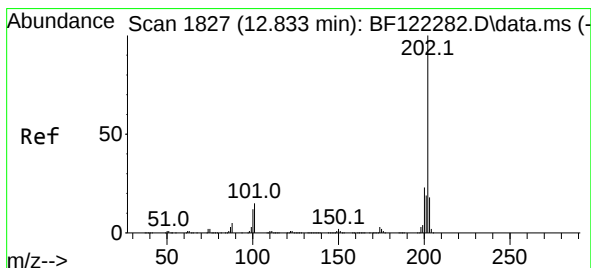
Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

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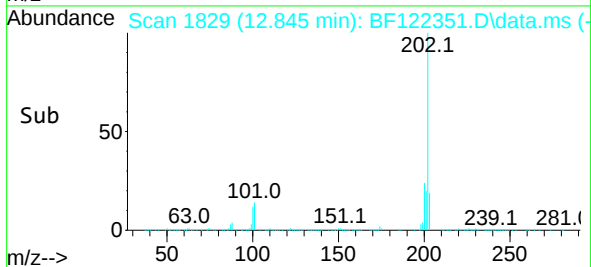
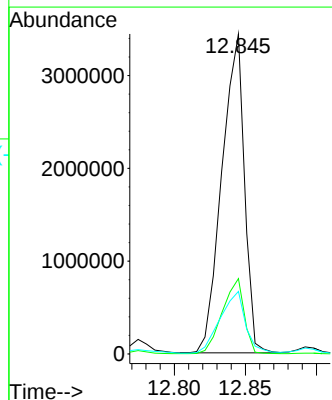
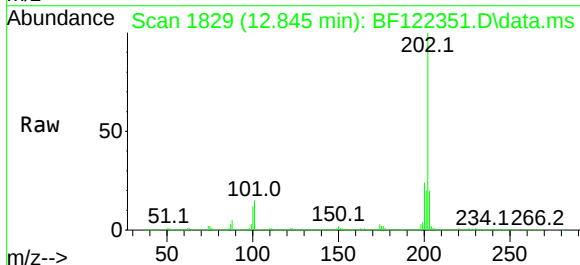
mohammad

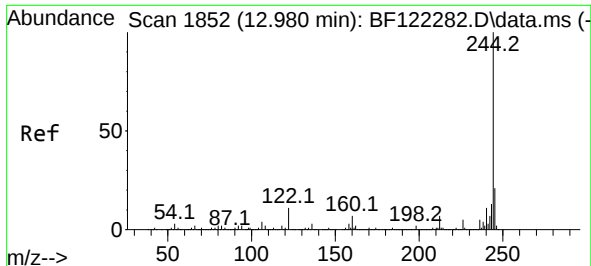
11/19/2020 10:29:00 AM



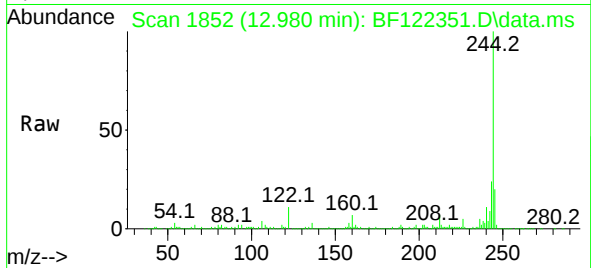
#78
Pyrene
Concen: 74.35 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.012 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:202 Resp: 3789572
Ion Ratio Lower Upper
202 100
200 23.5 17.4 26.2
203 19.5 14.6 21.8

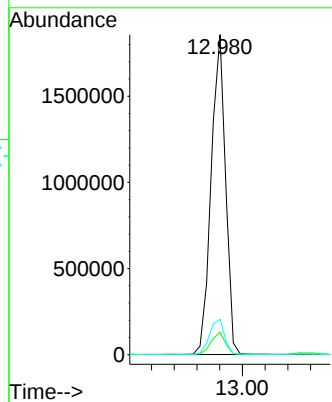
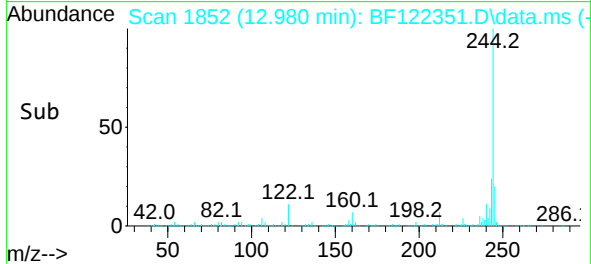




#79
 Terphenyl-d14
 Concen: 47.52 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF122351.D
 Acq: 17 Nov 2020 17:52



Tgt Ion:244 Resp: 1627372
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 11.1 8.1 12.1

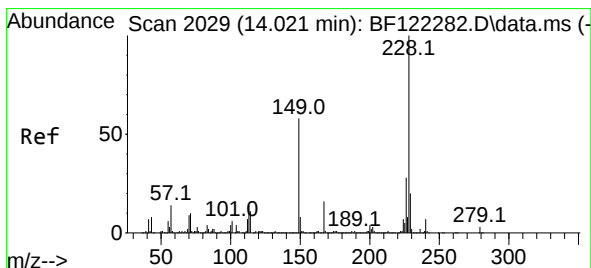


Instrument :
 BNA_F
 ClientSampleId :
 BG-1-(0.5-1)

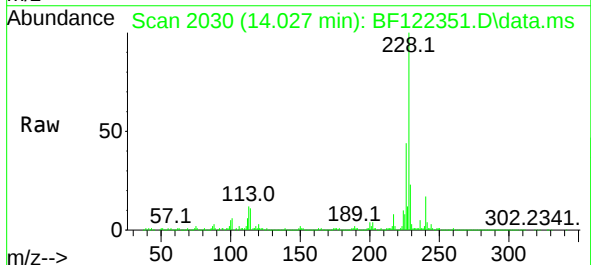
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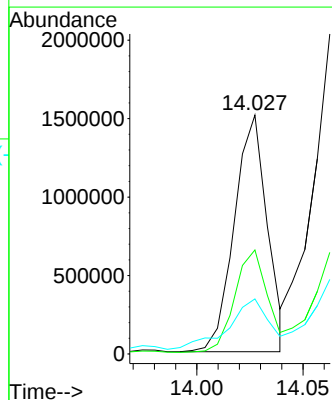
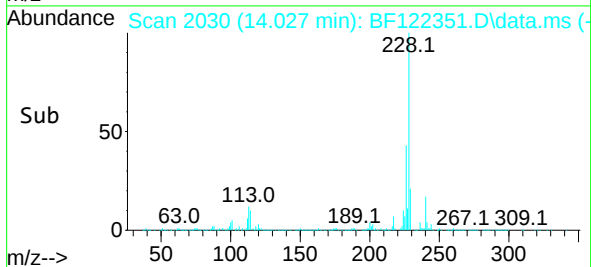
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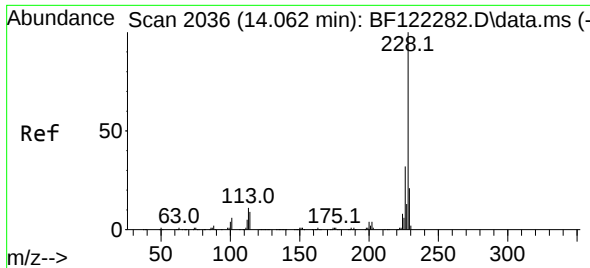


#81
 Benzo(a)anthracene
 Concen: 36.14 ng m
 RT: 14.027 min Scan# 2030
 Delta R.T. 0.006 min
 Lab File: BF122351.D
 Acq: 17 Nov 2020 17:52



Tgt Ion:228 Resp: 1630578
 Ion Ratio Lower Upper
 228 100
 226 43.6 22.3 33.5#
 229 23.0 16.2 24.4



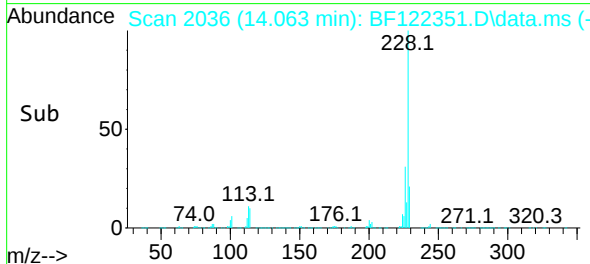
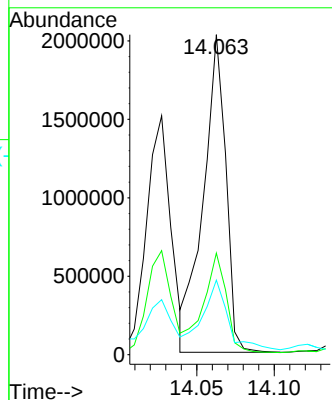
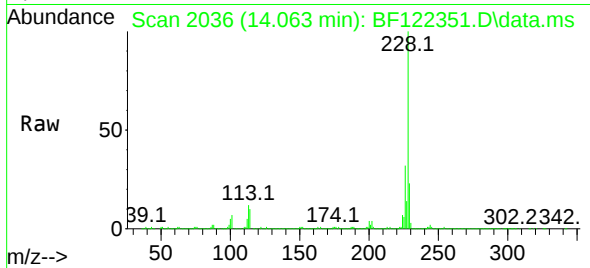


#83
Chrysene
Concen: 44.98 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:228 Resp: 2044175
Ion Ratio Lower Upper
228 100
226 31.8 24.6 37.0
229 23.3 15.9 23.9

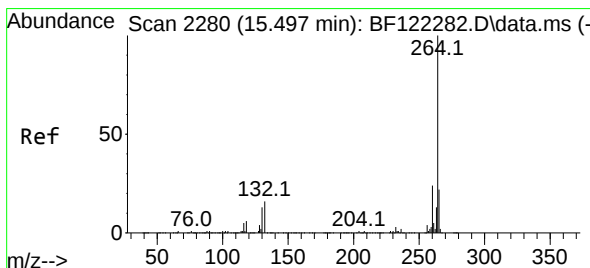
Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

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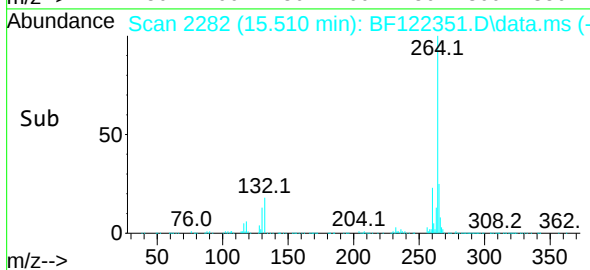
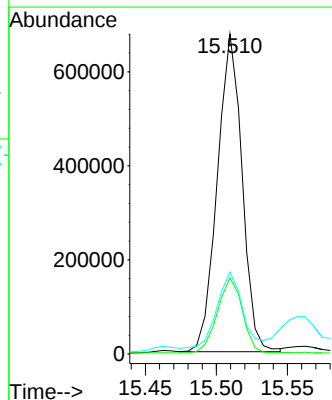
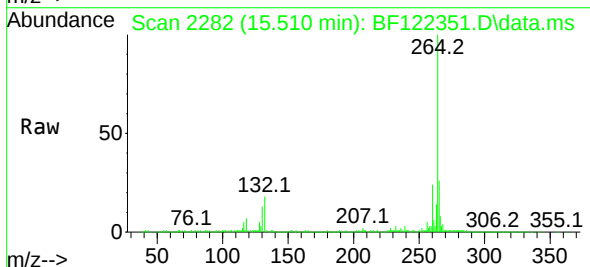
mohammad

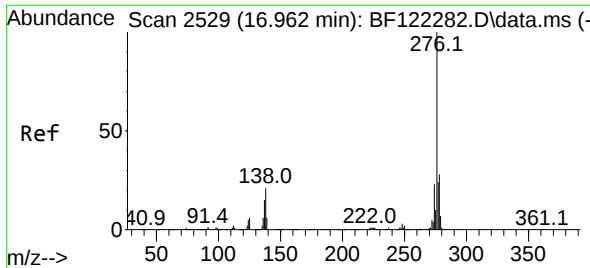
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.510 min Scan# 2282
Delta R.T. 0.012 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:264 Resp: 819388
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 25.6 17.3 25.9



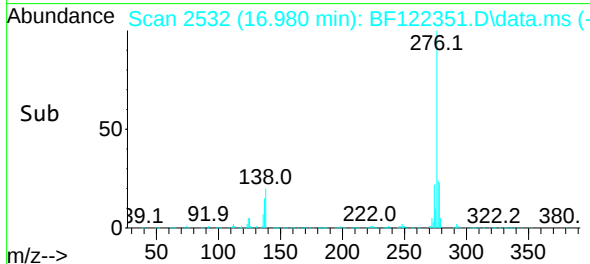
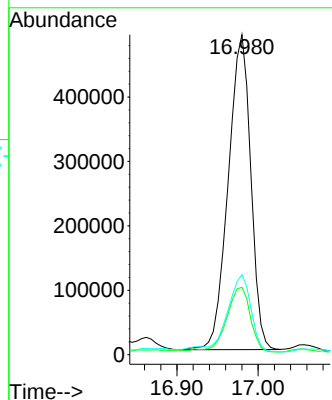
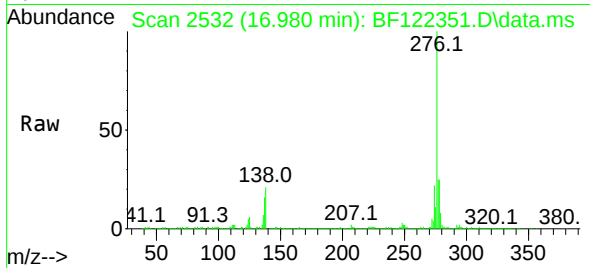


#87
Indeno(1,2,3-cd)pyrene
Concen: 19.13 ng
RT: 16.980 min Scan# 2532
Delta R.T. 0.018 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion: 276 Resp: 940778
Ion Ratio Lower Upper
276 100
138 21.9 19.9 29.9
277 26.3 20.4 30.6

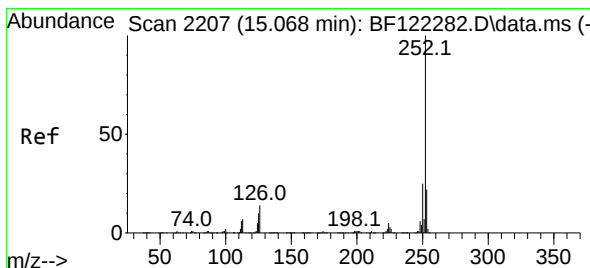
Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

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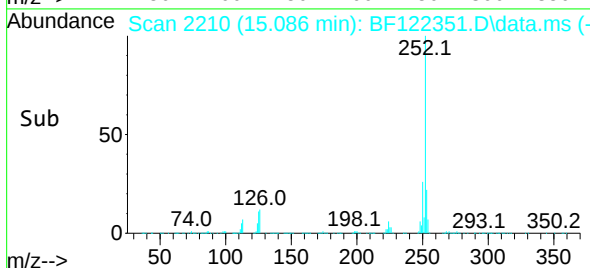
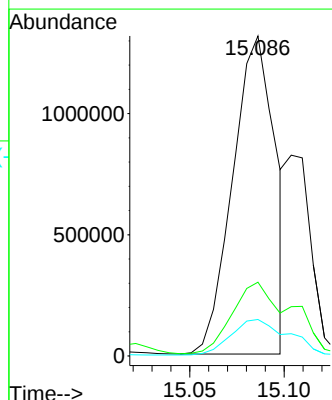
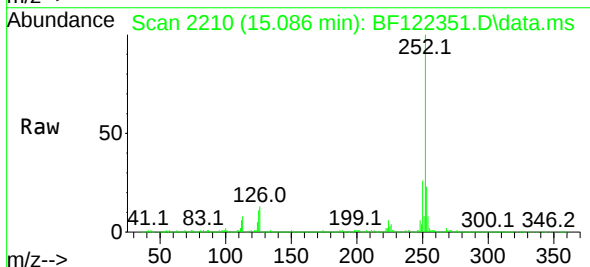
mohammad

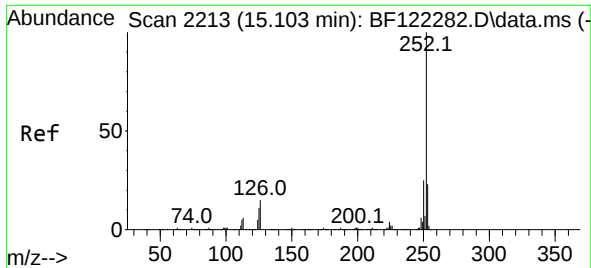
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#88
Benzo(b)fluoranthene
Concen: 38.66 ng m
RT: 15.086 min Scan# 2210
Delta R.T. 0.018 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion: 252 Resp: 2051767
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 11.4 8.0 12.0



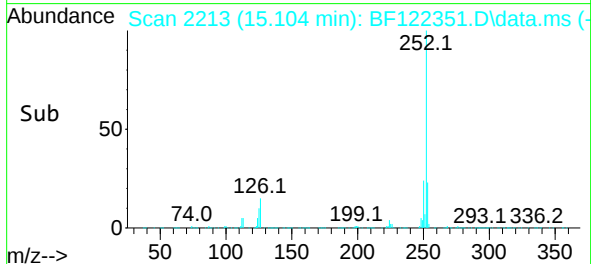
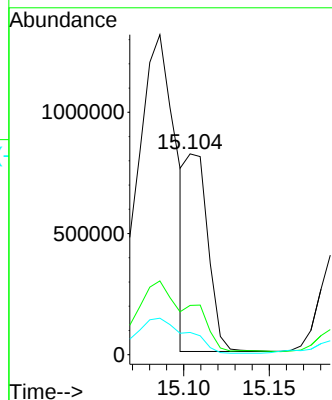
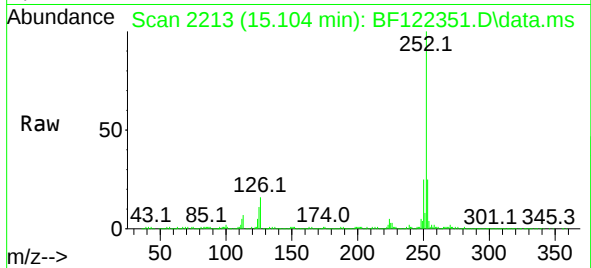


#89
Benzo(k)fluoranthene
Concen: 14.07 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:252 Resp: 728016
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 11.1 7.7 11.5

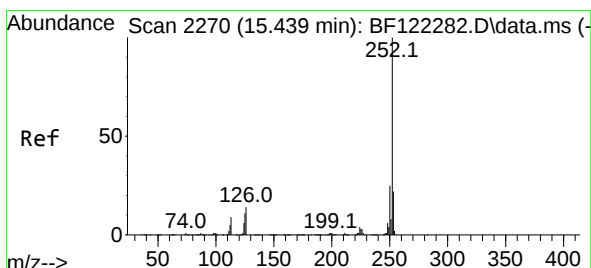
Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

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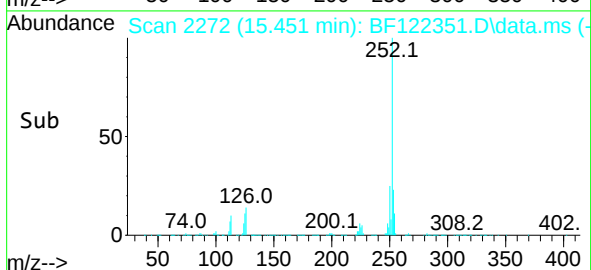
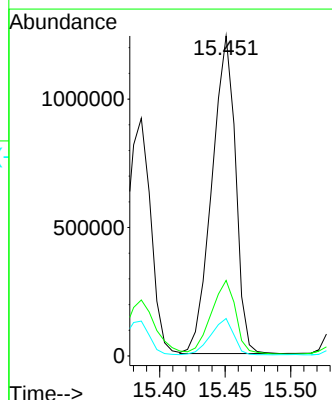
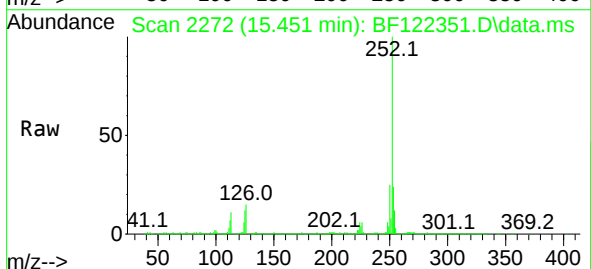
mohammad

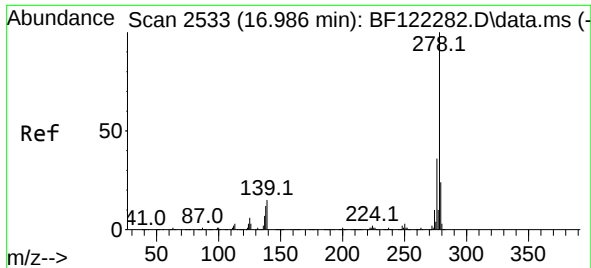
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#90
Benzo(a)pyrene
Concen: 33.46 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:252 Resp: 1547764
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 11.7 8.6 13.0



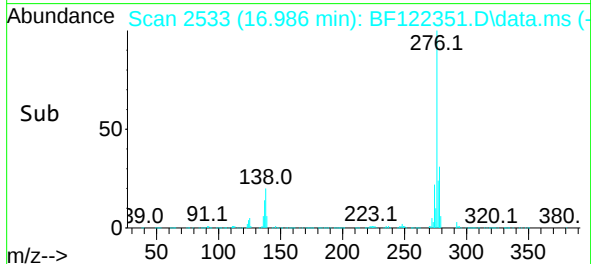
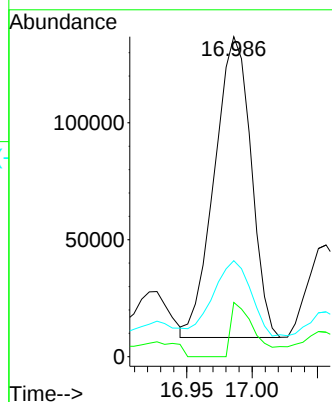
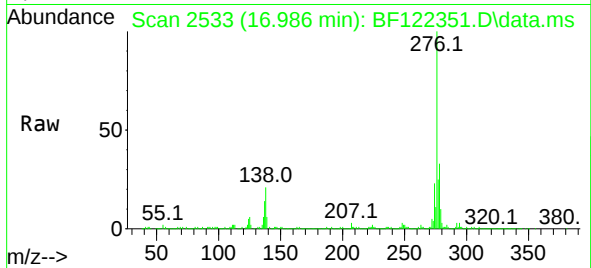


#91
Dibenzo(a,h)anthracene
Concen: 6.09 ng m
RT: 16.986 min Scan# 2533
Delta R.T. 0.000 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Instrument :
BNA_F
ClientSampleId :
BG-1-(0.5-1)

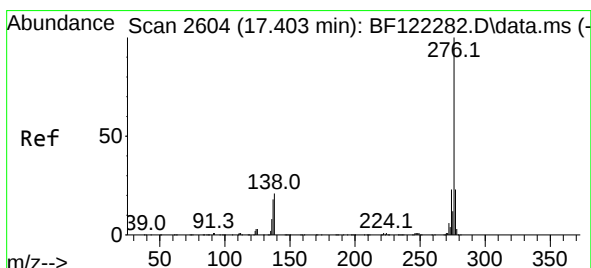
Tgt Ion:278 Resp: 250816
Ion Ratio Lower Upper
278 100
139 17.0 13.0 19.4
279 30.0 19.0 28.4#

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#92
Benzo(g,h,i)perylene
Concen: 23.89 ng
RT: 17.427 min Scan# 2608
Delta R.T. 0.024 min
Lab File: BF122351.D
Acq: 17 Nov 2020 17:52

Tgt Ion:276 Resp: 956919
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.2
138 21.4 17.8 26.6

