

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090117\
 Data File : BF098233.D
 Acq On : 1 Sep 2017 18:13
 Operator : SJ/JU
 Sample : I5050-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4651-1540

Manual Integrations
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mohammad
 9/5/2017 5:22:21 PM

Quant Time: Sep 01 23:05:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	121991	20.00	ng	-0.03
21) Naphthalene-d8	8.00	136	466651	20.00	ng	-0.03
38) Acenaphthene-d10	9.75	164	176730	20.00	ng	-0.04
63) Phenanthrene-d10	11.24	188	260379	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	252352	20.00	ng	-0.03
86) Perylene-d12	15.29	264	189603	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	913559	113.91	ng	-0.02
7) Phenol-d6	6.37	99	1220149	111.97	ng	-0.02
23) Nitrobenzene-d5	7.29	82	746521	86.91	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	157875	102.96	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	1010337	83.99	ng	-0.03
78) Terphenyl-d14	12.82	244	639580	52.85	ng	-0.03
Target Compounds						
10) Phenol	6.37	94	30416	2.387	ng	Qvalue # 61
49) Dimethylphthalate	9.47	163	169743	13.140	ng	97
70) Phenanthrene	11.26	178	132052	9.517	ng	99
71) Anthracene	11.31	178	32911m	2.339	ng	
74) Fluoranthene	12.45	202	202219	13.963	ng	99
77) Pyrene	12.67	202	173897	8.425	ng	99
80) Benzo(a)anthracene	13.86	228	107676	7.119	ng	98
82) Chrysene	13.89	228	98077	6.519	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	28718	3.275	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.65	276	29126	2.632	ng	91
87) Benzo(b)fluoranthene	14.88	252	98565m	8.247	ng	
88) Benzo(k)fluoranthene	14.90	252	30515m	2.718	ng	
89) Benzo(a)pyrene	15.22	252	60954	5.761	ng	99
91) Benzo(a,h,i)perylene	17.06	276	25087	2.791	ng	94

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

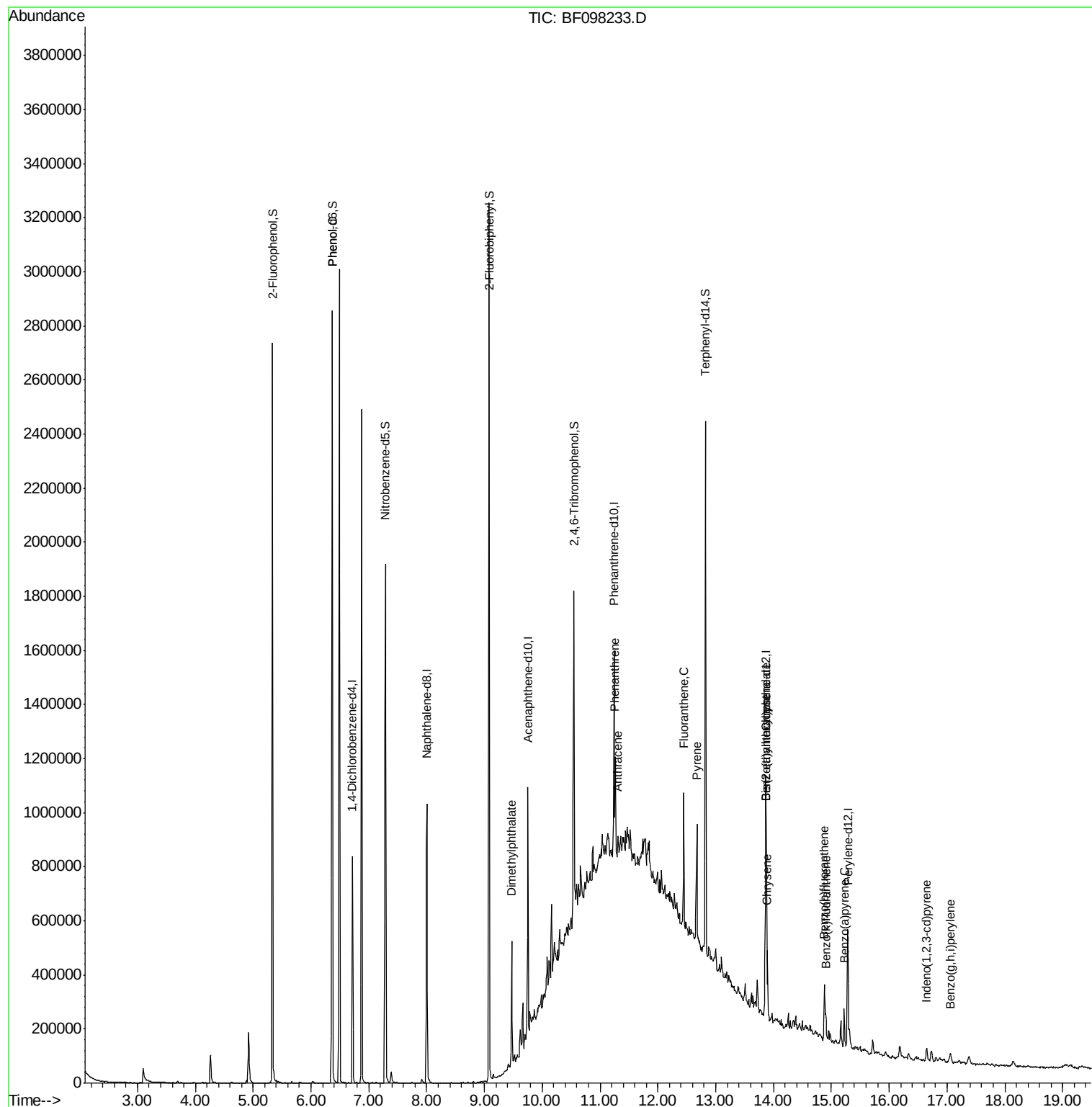
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098233.D
Acq On : 1 Sep 2017 18:13
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Sample : I5050-01
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ALS Vial : 21 Sample Multiplier: 1

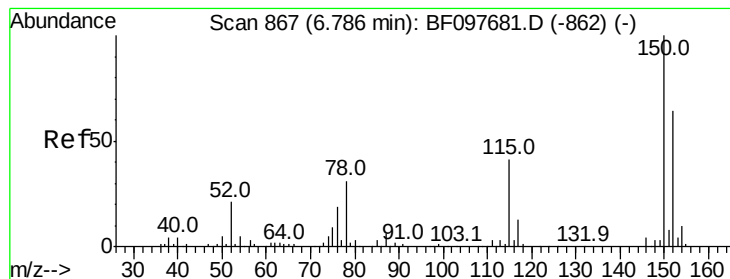
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Sep 01 23:05:27 2017
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#1

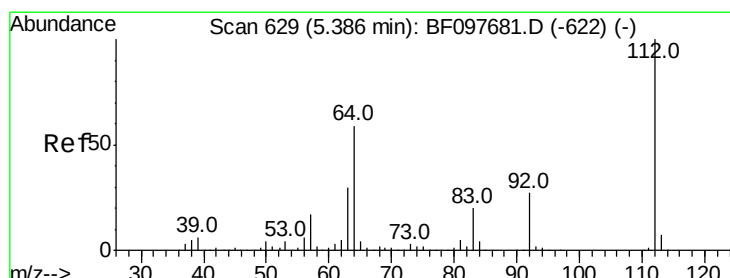
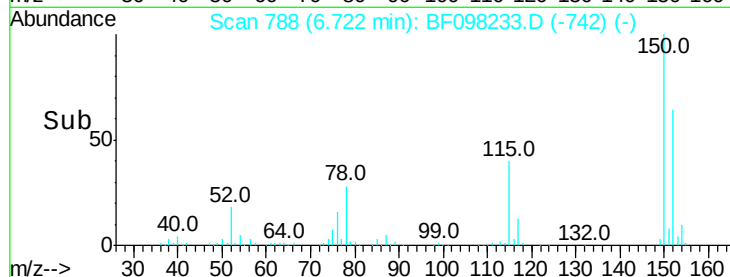
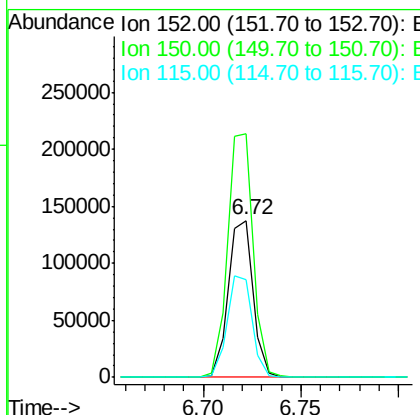
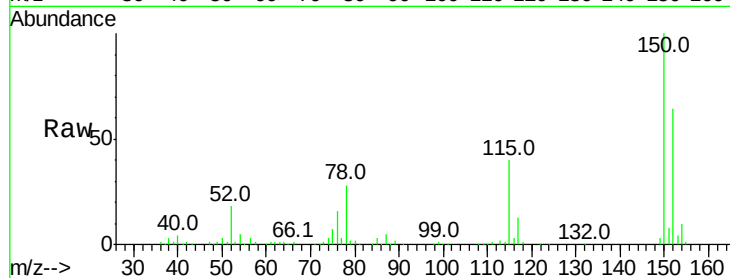
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.03 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
RT4651-1540

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.2
115	62.0	52.2	78.2

Manual Integrations
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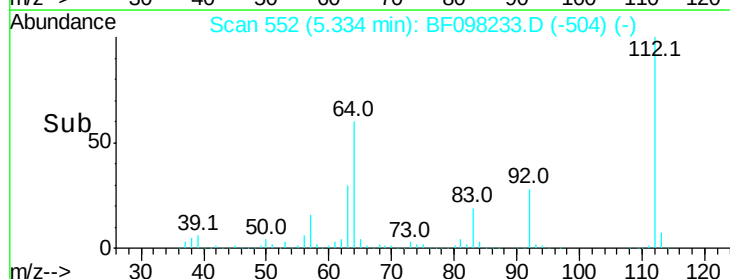
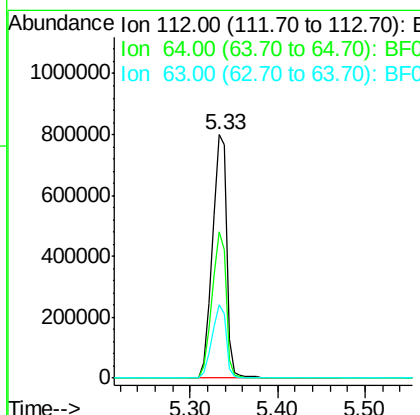
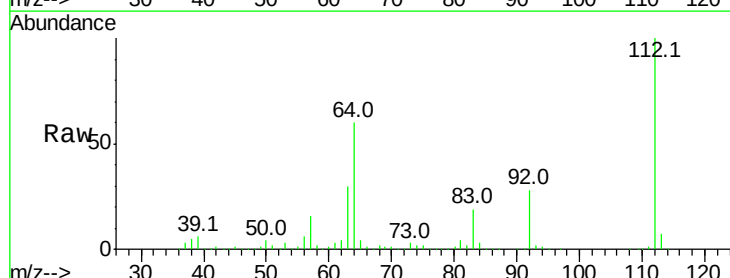
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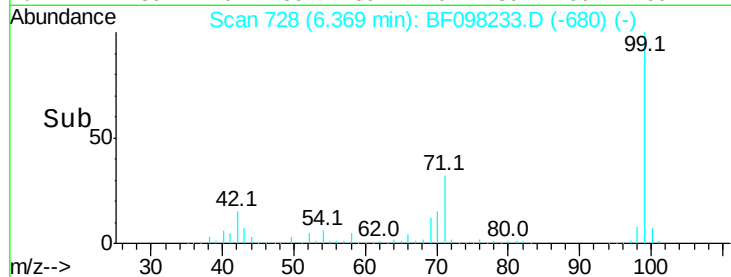
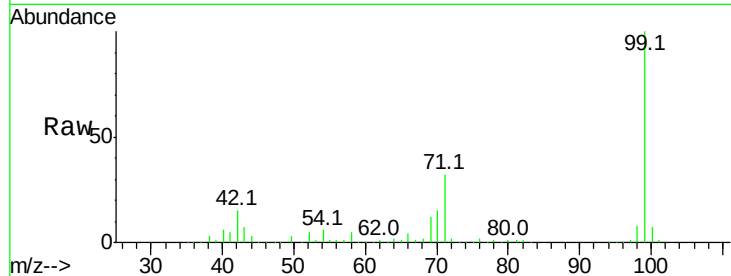
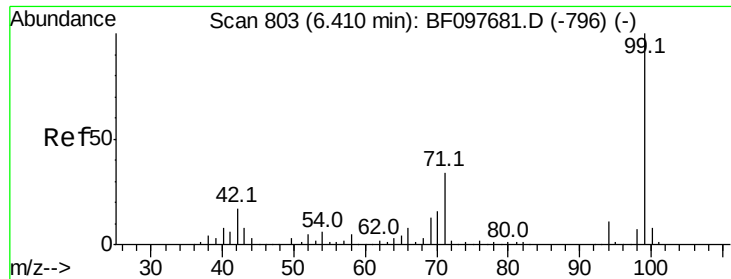


#5

2-Fluorophenol
Concen: 113.909 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	46.0	69.0
63	29.9	23.4	35.0





#7

Phenol-d6

Concen: 111.972 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098233.D

Acq: 1 Sep 2017 18:13

Tot Ion:	99	Resp:	1220149
Ion	Ratio	Lower	Upper
99	100		
42	14.5	13.5	20.3
71	31.8	24.5	36.7

Instrument :

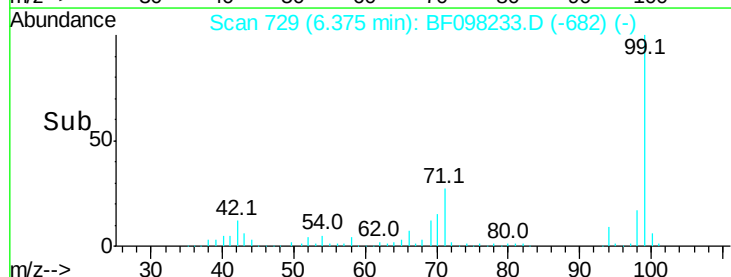
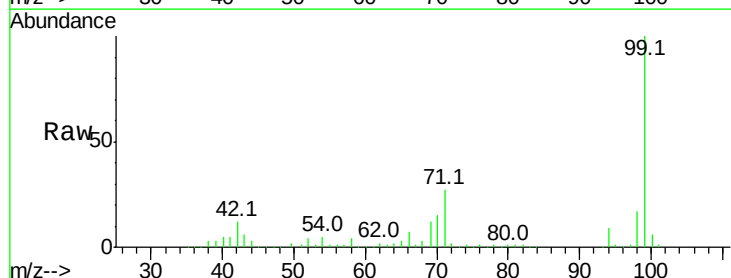
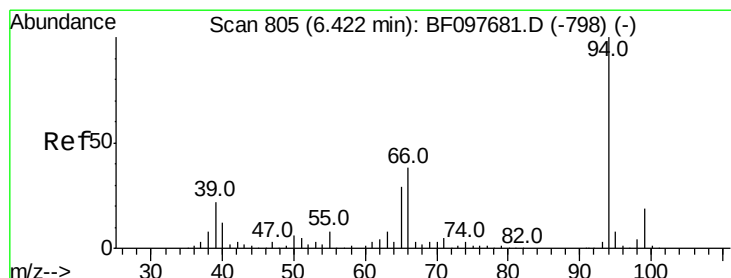
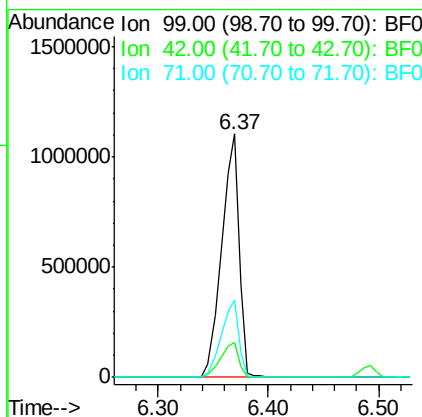
BNA_F

ClientSampleId :

RT4651-1540

Manual Integrations
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#10

Phenol

Concen: 2.387 ng

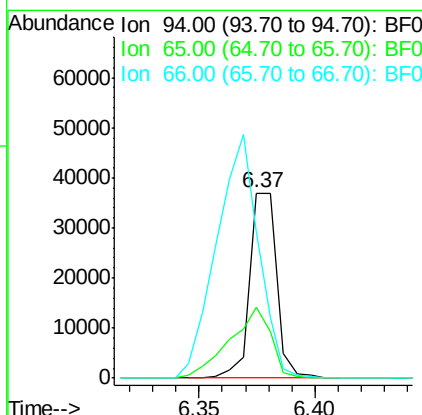
RT: 6.37 min Scan# 729

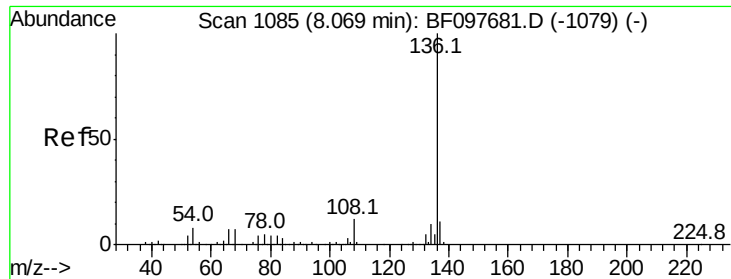
Delta R.T. -0.02 min

Lab File: BF098233.D

Acq: 1 Sep 2017 18:13

Tgt Ion:	94	Resp:	30416
Ion	Ratio	Lower	Upper
94	100		
65	38.1	9.9	49.9
66	78.7	23.1	63.1#





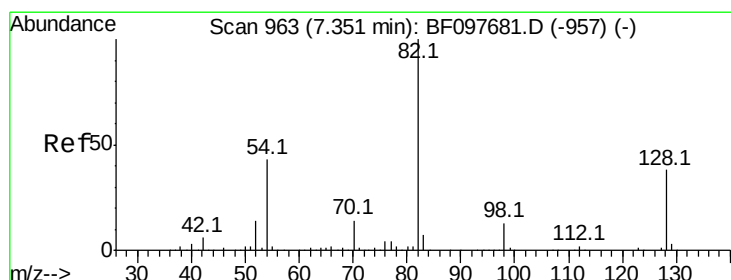
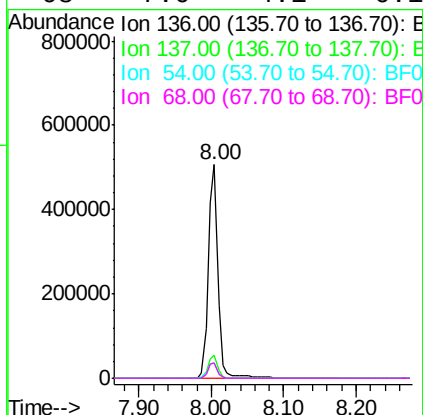
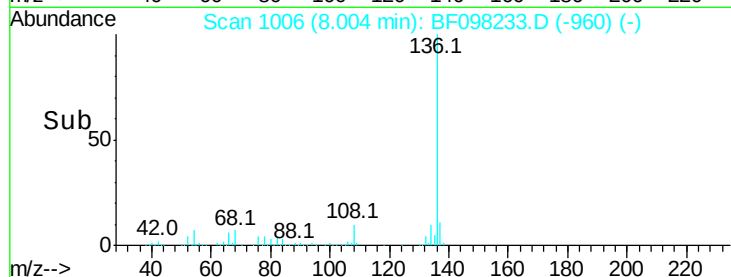
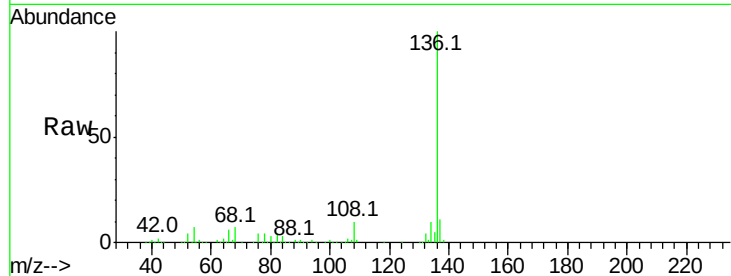
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
RT4651-1540

Tot Ion	Ratio	Resp	Lower	Upper
136	100	466651		
137	10.6	8.5	12.7	
54	7.2	4.9	7.3	
68	7.0	4.1	6.1	

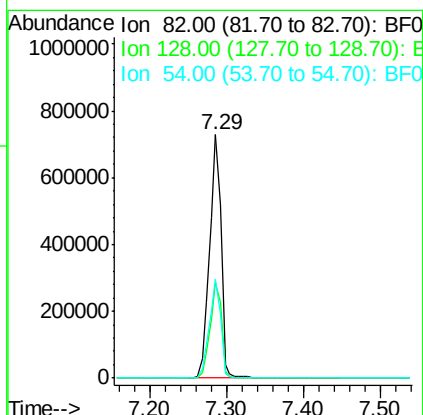
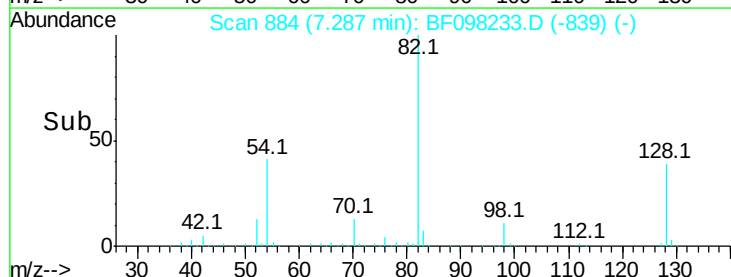
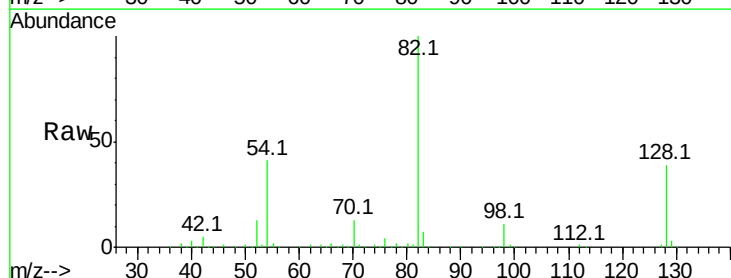
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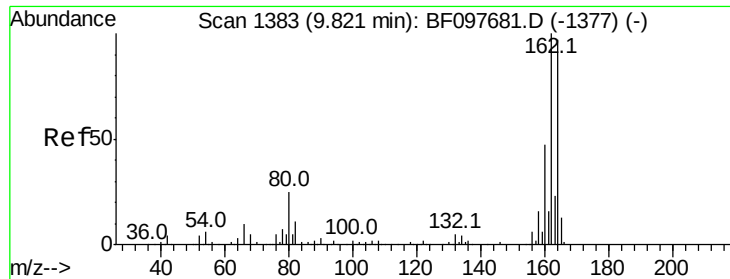
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#23
Nitrobenzene-d5
Concen: 86.905 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	746521		
128	39.2	34.0	51.0	
54	40.7	42.2	63.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.04 min

Lab File: BF098233.D

Acq: 1 Sep 2017 18:13

Instrument :

BNA_F

ClientSampleId :

RT4651-1540

Tot Ion:164 Resp: 176730

Ion Ratio Lower Upper

164 100

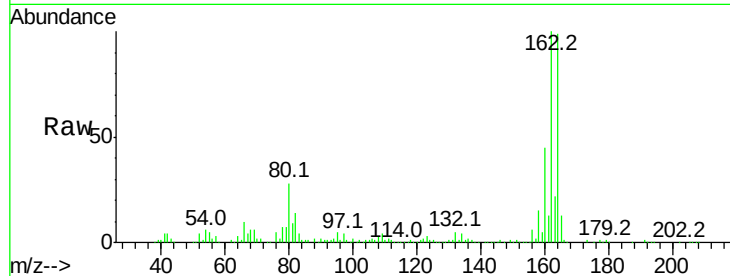
162 101.0 82.6 123.8

160 45.5 36.2 54.2

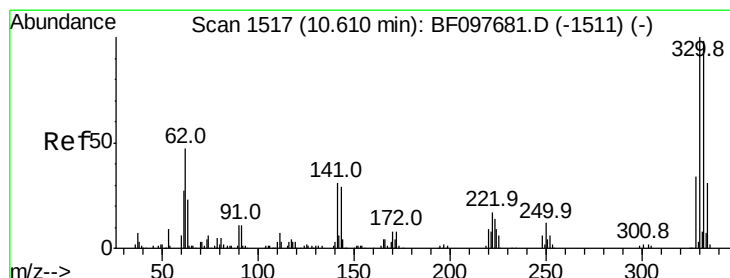
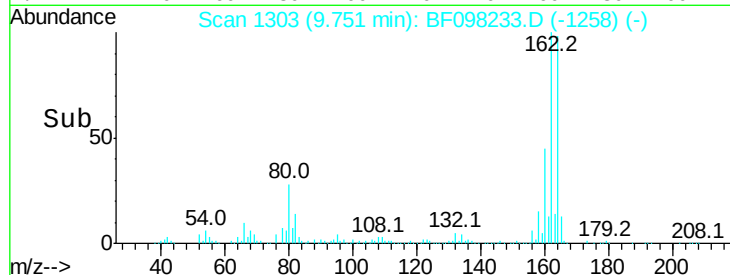
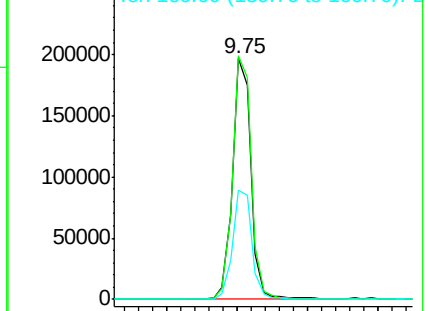
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 102.956 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.03 min

Lab File: BF098233.D

Acq: 1 Sep 2017 18:13

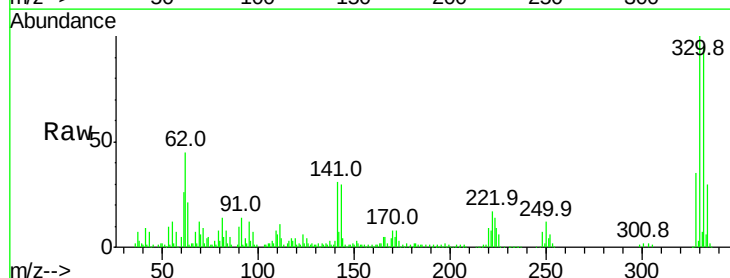
Tgt Ion:330 Resp: 157875

Ion Ratio Lower Upper

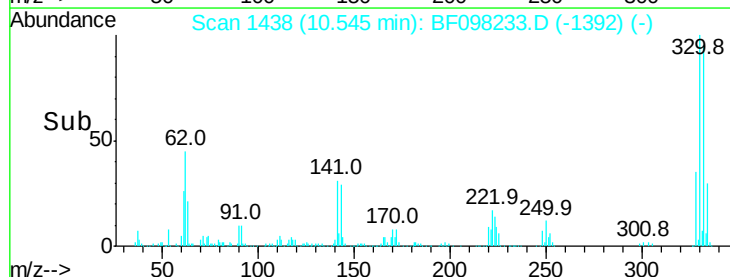
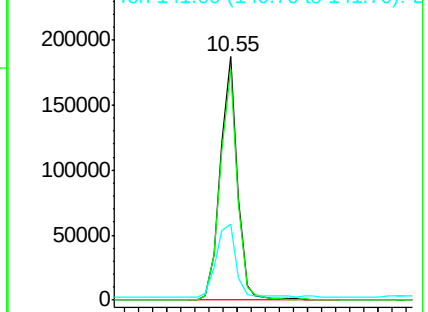
330 100

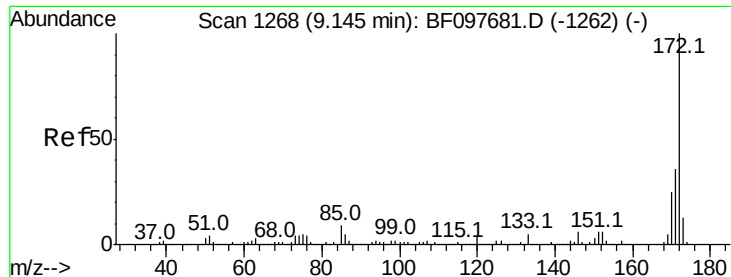
332 95.8 76.6 115.0

141 34.9 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





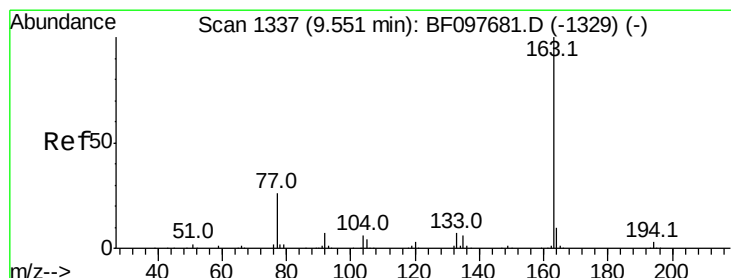
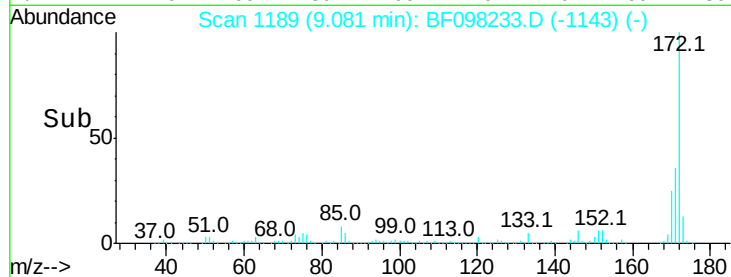
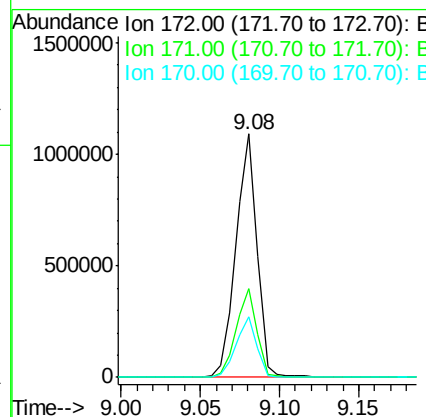
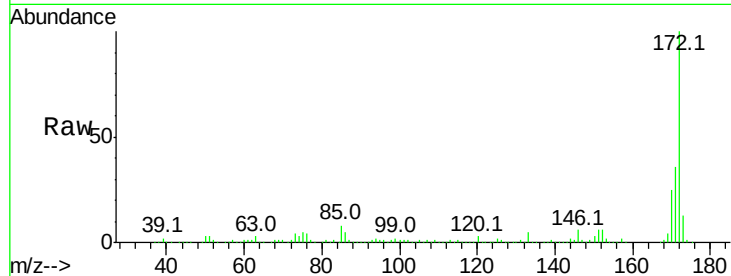
#44
2-Fluorobiphenyl
Concen: 83.992 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
RT4651-1540

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.7	19.8	29.8

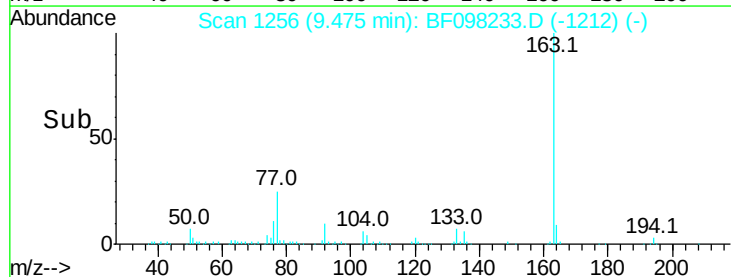
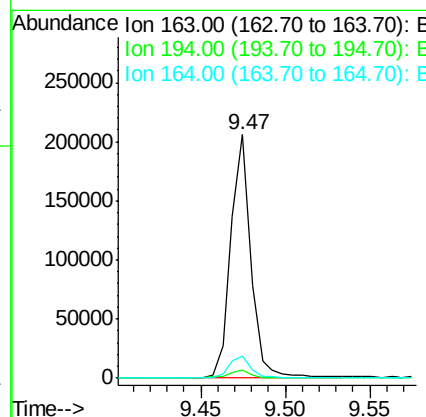
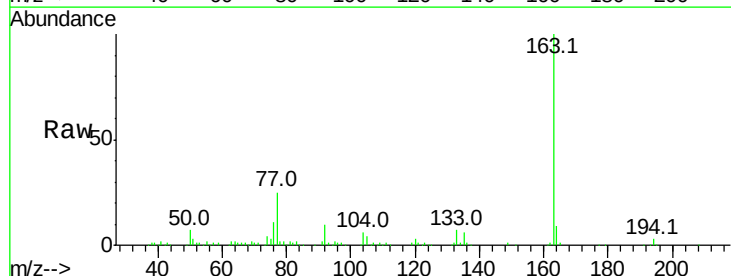
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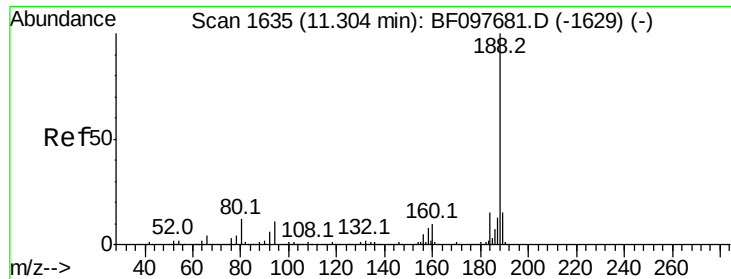
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#49
Dimethylphthalate
Concen: 13.140 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.0	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.02 min

Lab File: BF098233.D

Acq: 1 Sep 2017 18:13

Instrument :

BNA_F

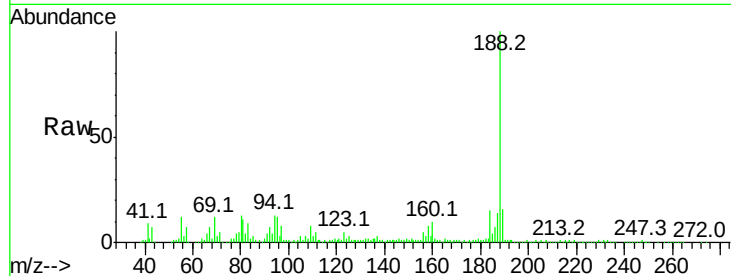
ClientSampleId :

RT4651-1540

Tot Ion:	188	Resp:	260379
Ion Ratio	Lower	Upper	
188	100		
94	12.7	9.4	14.2
80	13.3	10.2	15.2

Manual Integrations
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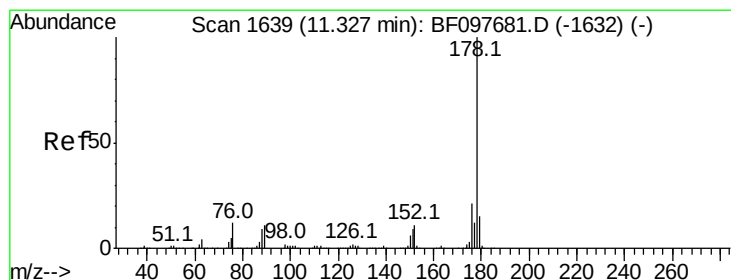
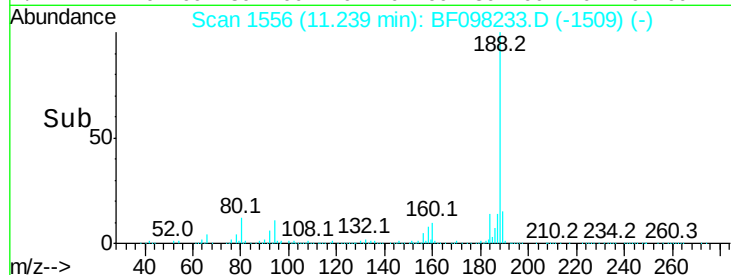
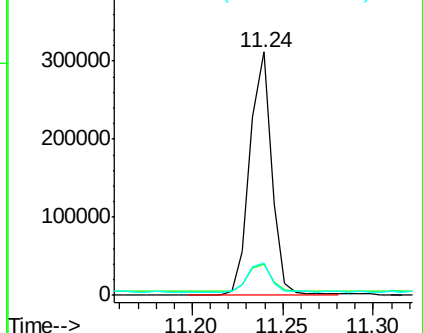
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 9.517 ng

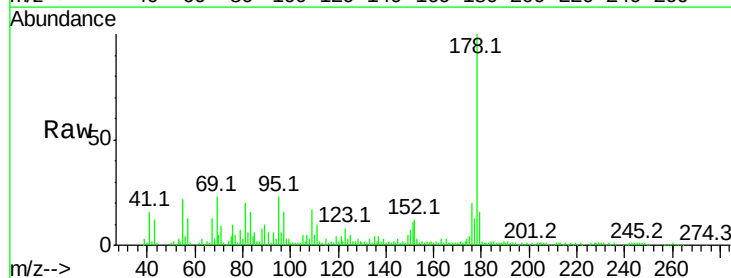
RT: 11.26 min Scan# 1560

Delta R.T. -0.03 min

Lab File: BF098233.D

Acq: 1 Sep 2017 18:13

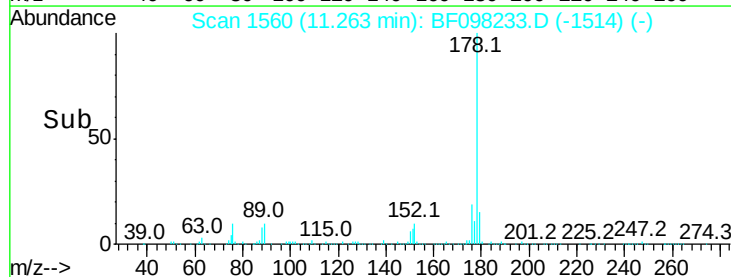
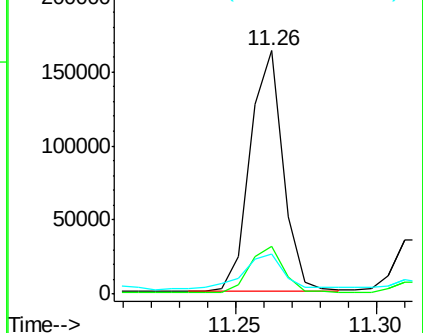
Tgt Ion:	178	Resp:	132052
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.2	24.4
179	16.4	12.6	19.0

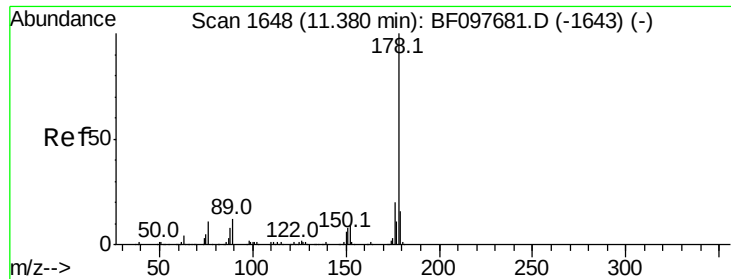


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





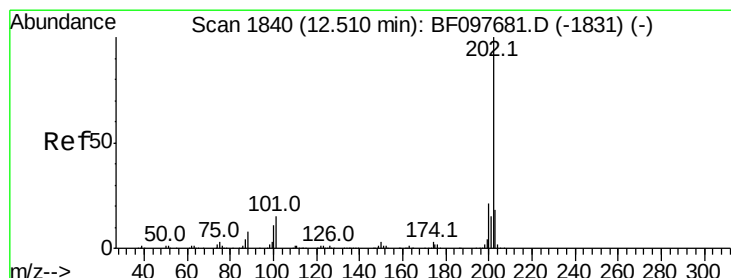
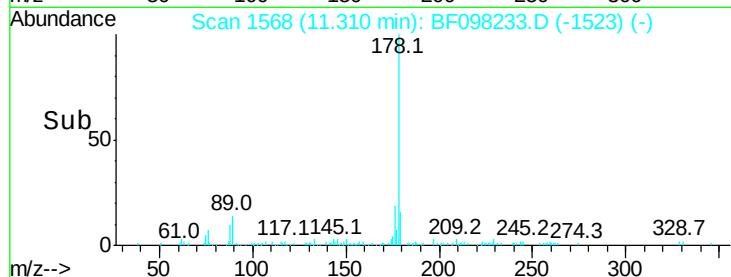
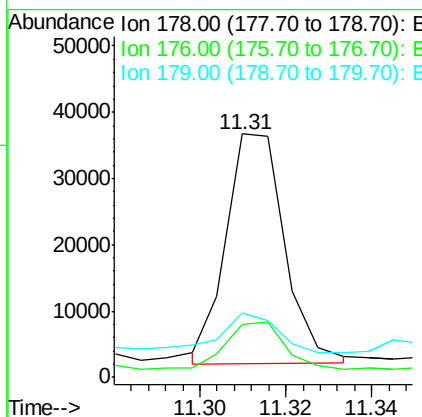
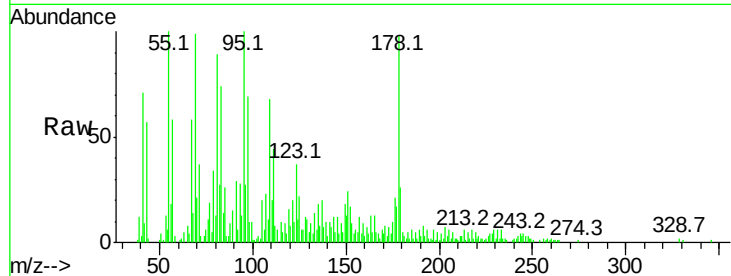
#71
 Anthracene
 Concen: 2.339 ng/mL
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.04 min
 Lab File: BF098233.D
 Acq: 1 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 RT4651-1540

Tot Ion:	178	Resp:	32911
Ion Ratio	Lower	Upper	
178	100		
176	21.7	15.8	23.8
179	26.2	12.7	19.1

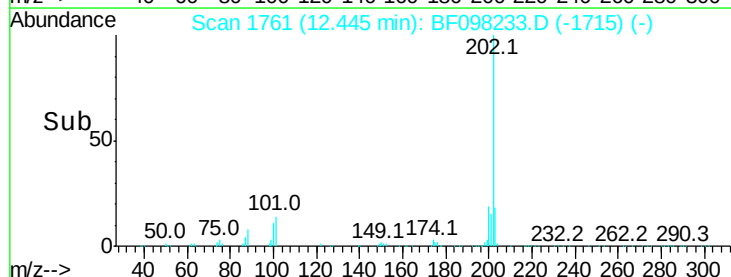
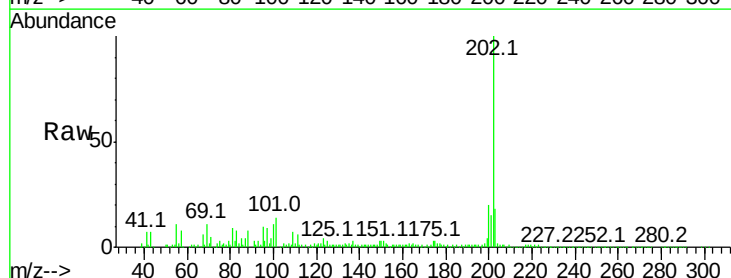
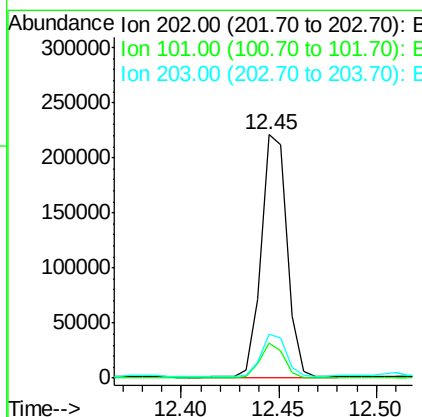
Manual Integrations
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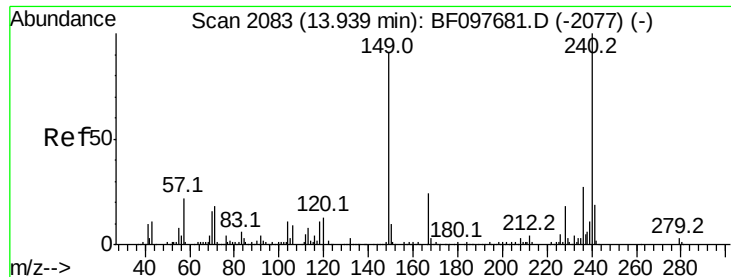
mohammad
 9/5/2017 5:22:21 PM



#74
 Fluoranthene
 Concen: 13.963 ng/mL
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.03 min
 Lab File: BF098233.D
 Acq: 1 Sep 2017 18:13

Tgt Ion:	202	Resp:	202219
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	33.2
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098233.D

Acq: 1 Sep 2017 18:13

Instrument :

BNA_F

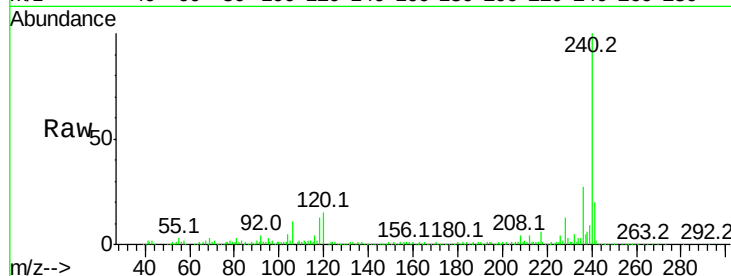
ClientSampleId :

RT4651-1540

Tot Ion	Ratio	Resp	Lower	Upper
240	100	252352		
120	15.4	5.8	8.8#	
236	26.7	20.5	30.7	

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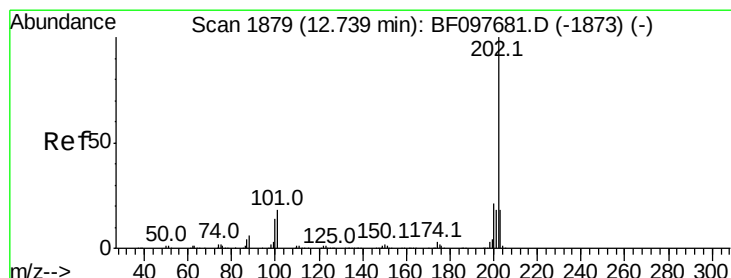
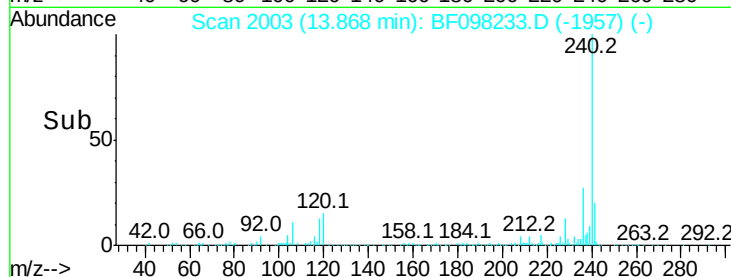
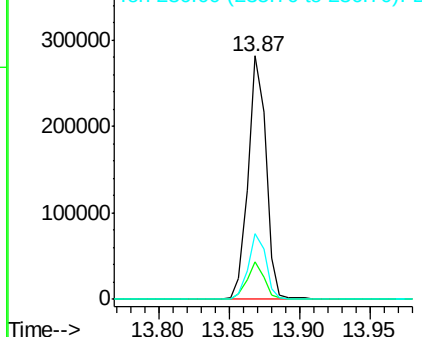
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.425 ng

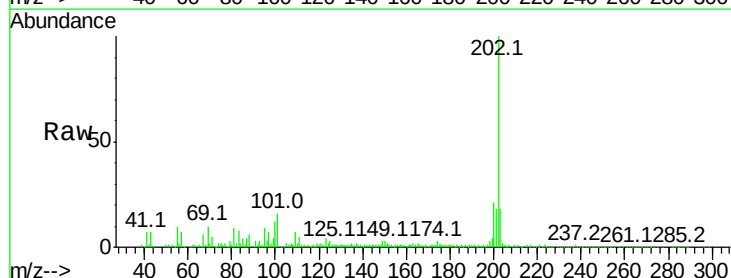
RT: 12.67 min Scan# 1800

Delta R.T. -0.03 min

Lab File: BF098233.D

Acq: 1 Sep 2017 18:13

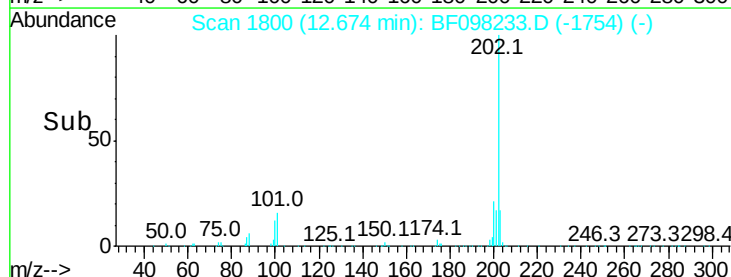
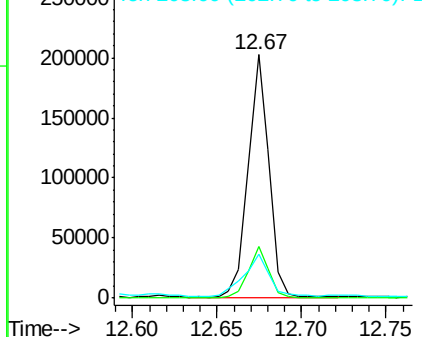
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	173897		
200	21.0	17.6	26.4	
203	17.8	14.4	21.6	

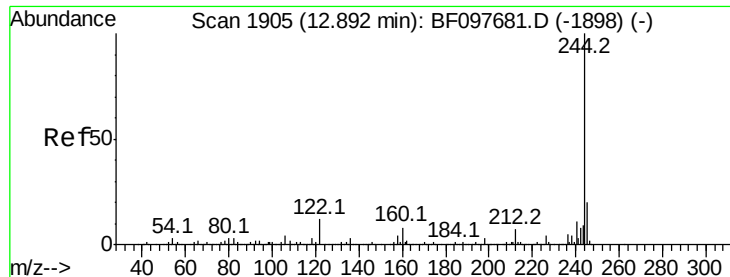


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.852 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098233.D

Acq: 1 Sep 2017 18:13

Instrument :

BNA_F

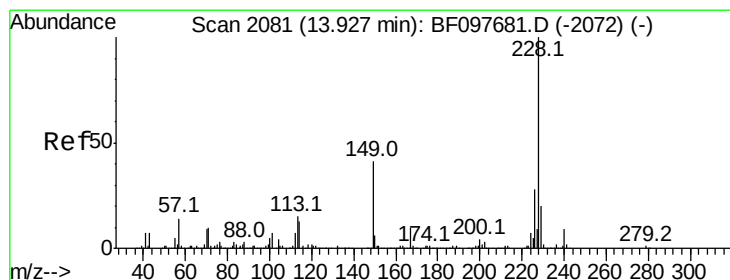
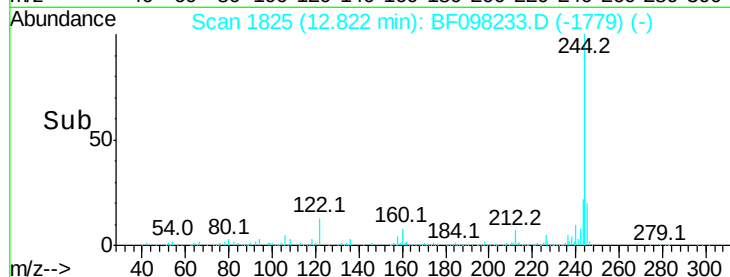
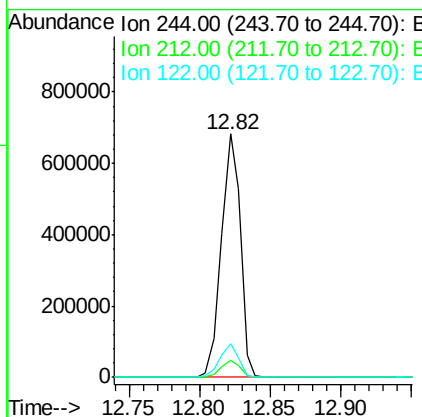
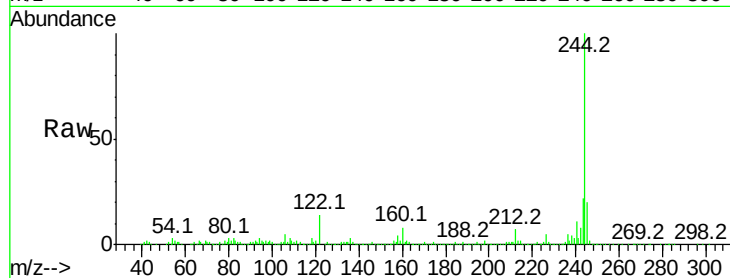
ClientSampleId :

RT4651-1540

Tot Ion:	244	Resp:	639580
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	13.7	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 7.119 ng

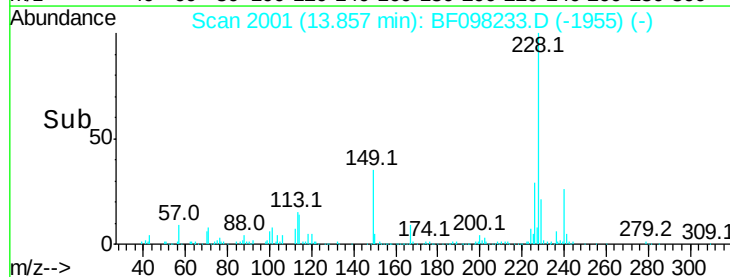
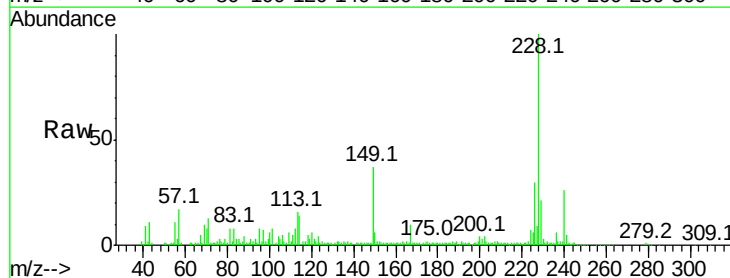
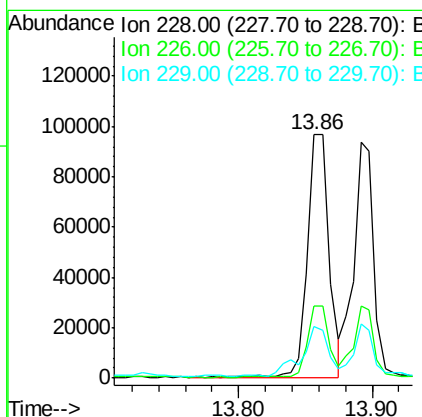
RT: 13.86 min Scan# 2001

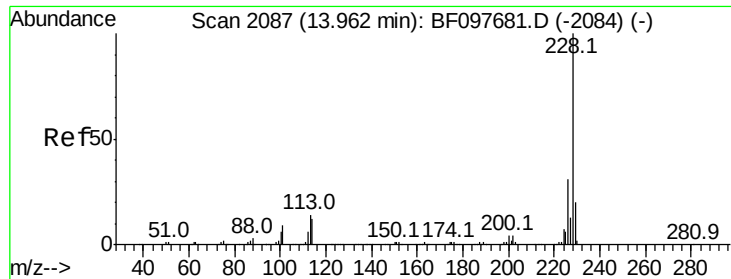
Delta R.T. -0.03 min

Lab File: BF098233.D

Acq: 1 Sep 2017 18:13

Tgt Ion:	228	Resp:	107676
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.6	33.8
229	21.3	16.3	24.5





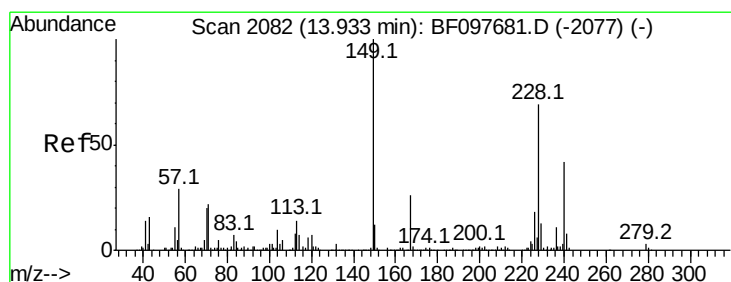
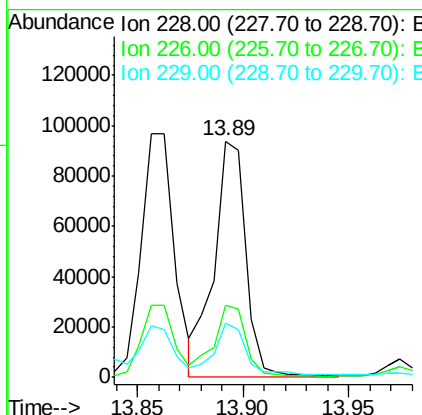
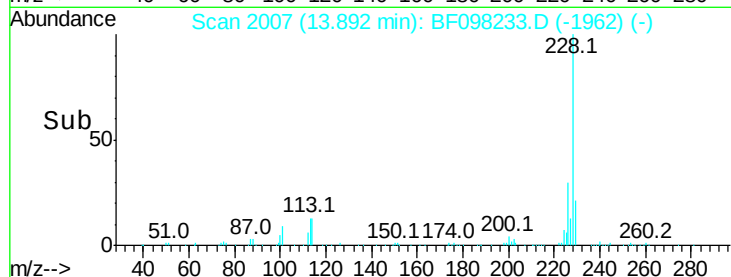
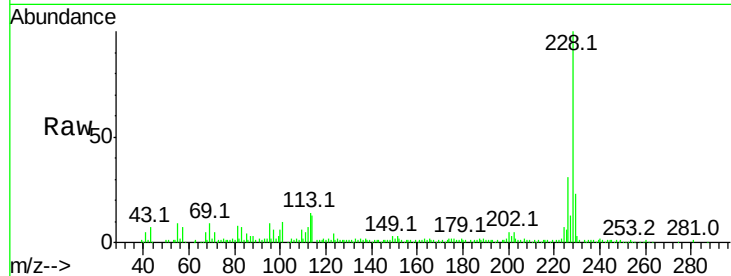
#82
Chrysene
Concen: 6.519 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.04 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
RT4651-1540

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	23.0	15.8	23.6

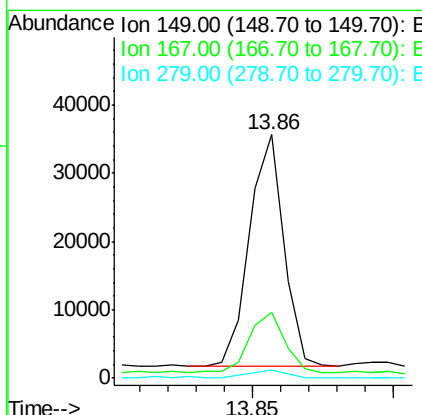
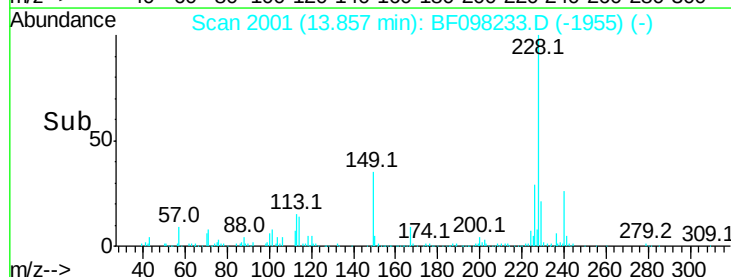
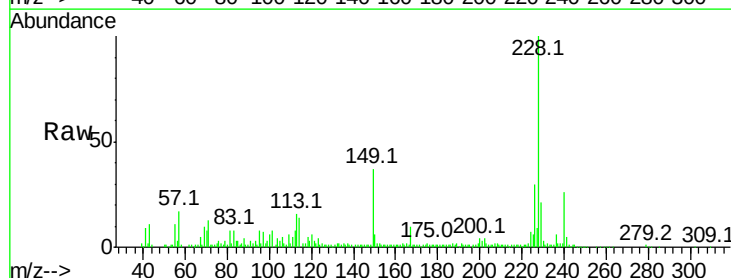
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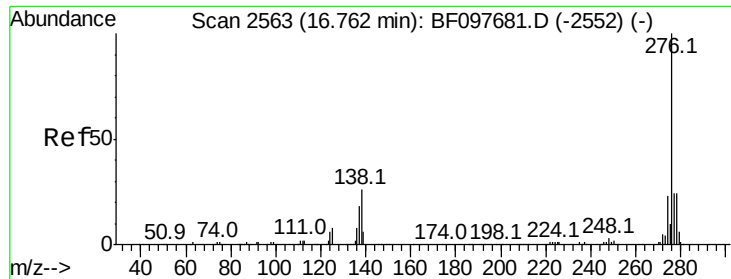
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#83
Bis(2-ethylhexyl)phthalate
Concen: 3.275 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.03 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.0	31.4
279	3.5	1.9	2.9#





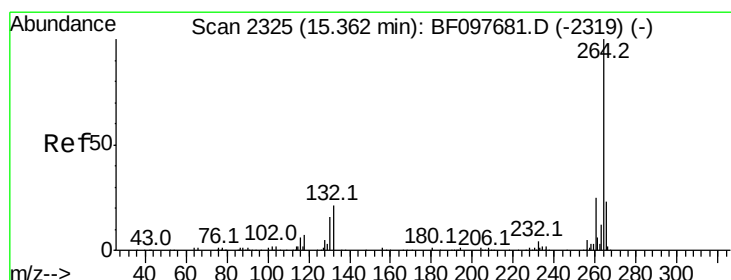
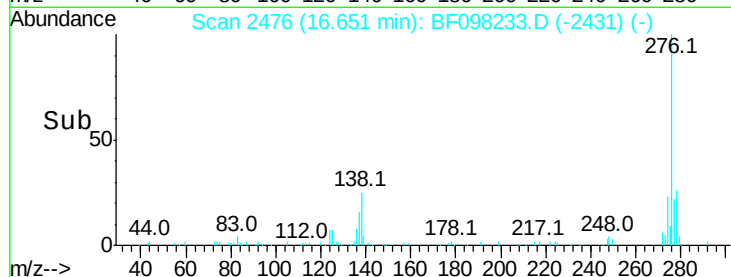
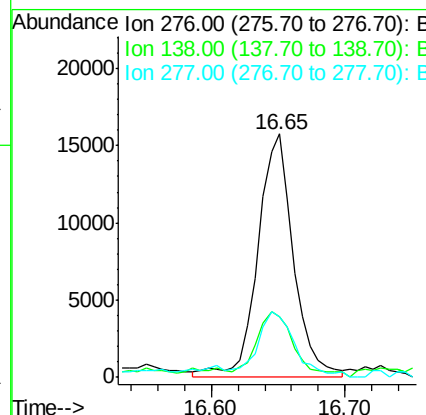
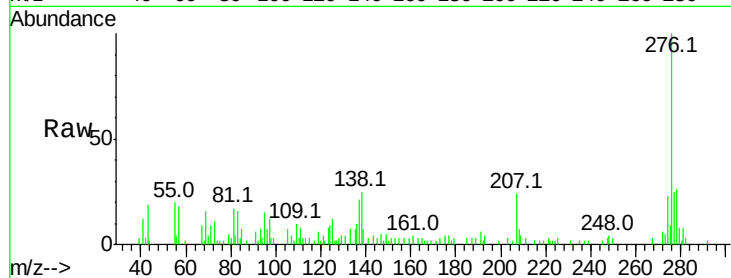
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.632 ng
RT: 16.65 min Scan# 2476
Delta R.T. -0.04 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
RT4651-1540

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.6	27.8	41.6
277	28.3	20.2	30.4

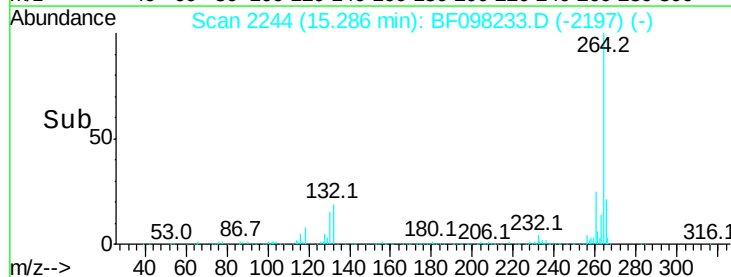
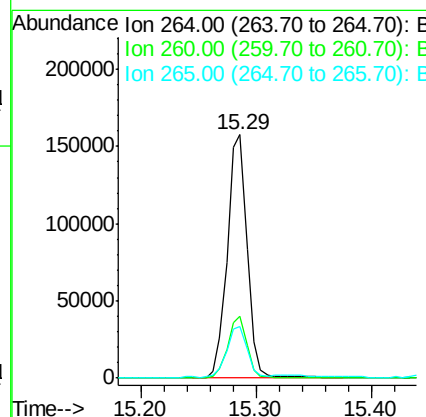
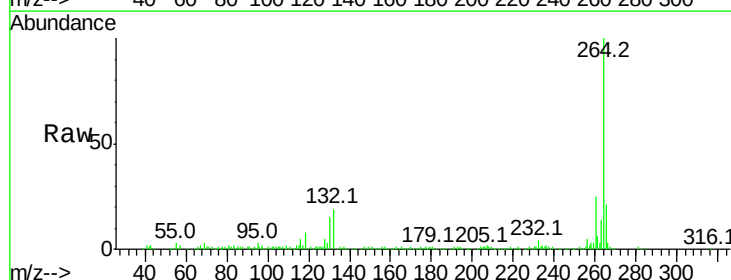
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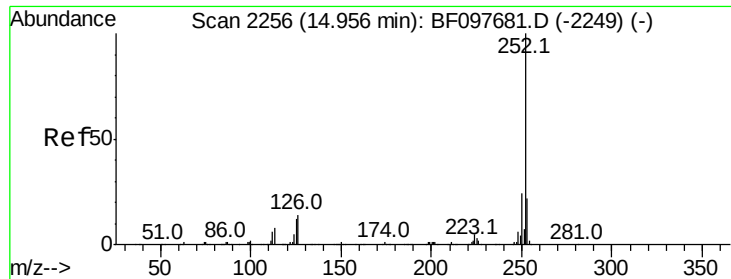
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.5	29.3
265	21.3	17.2	25.8





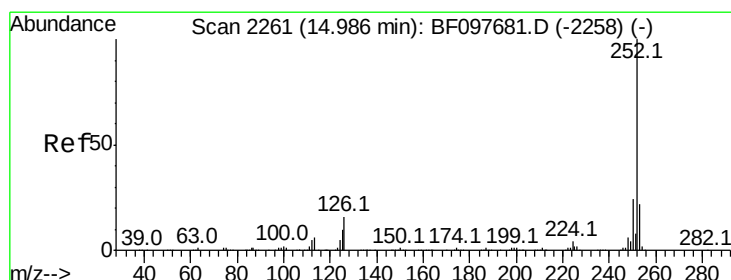
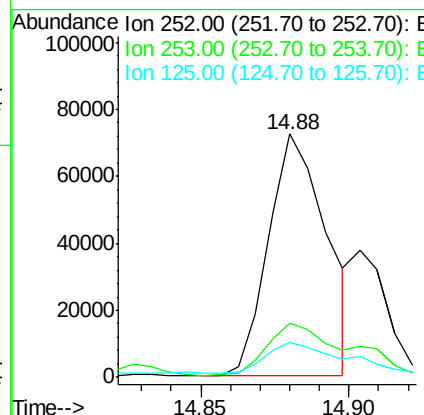
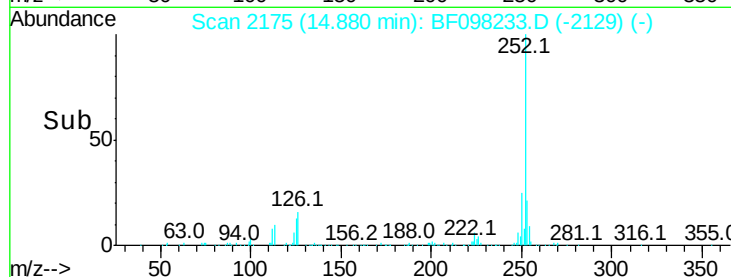
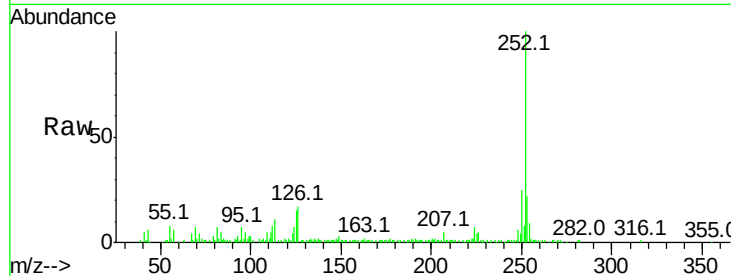
#87
Benzo(b)fluoranthene
Concen: 8.247 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.03 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
RT4651-1540

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	14.5	9.8	14.8

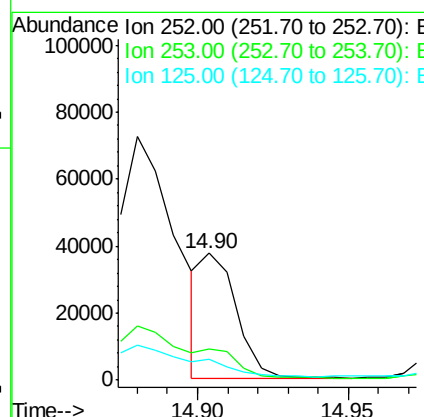
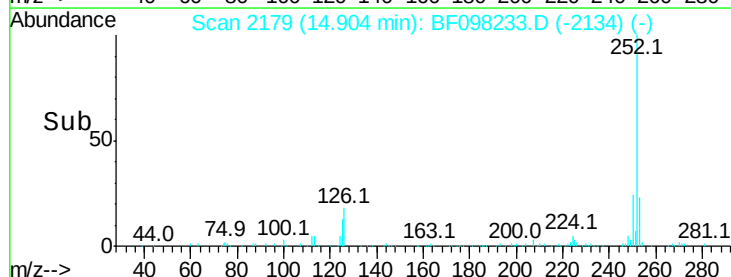
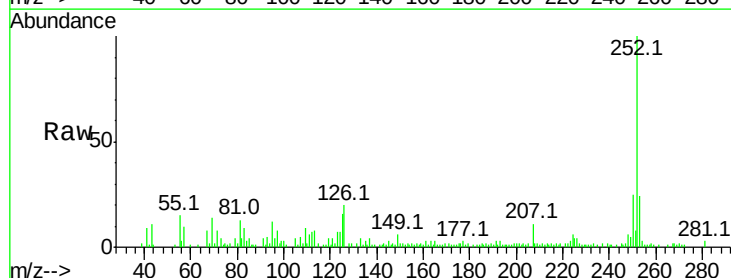
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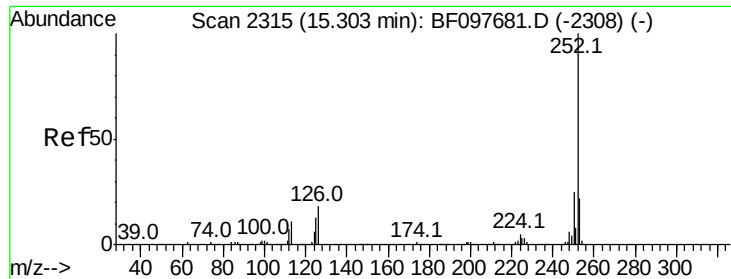
mohammad
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#88
Benzo(k)fluoranthene
Concen: 2.718 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.04 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	16.1	13.1	19.7





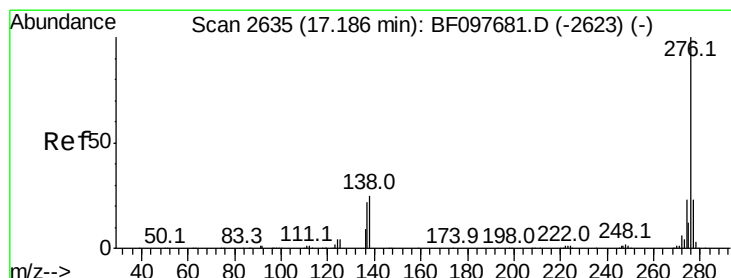
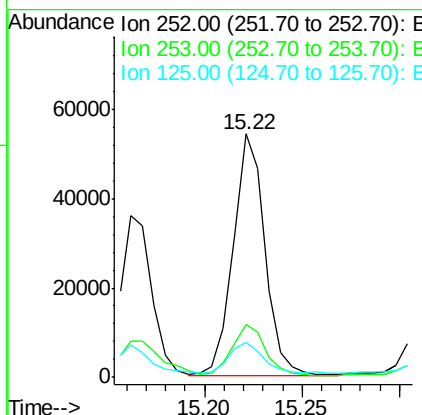
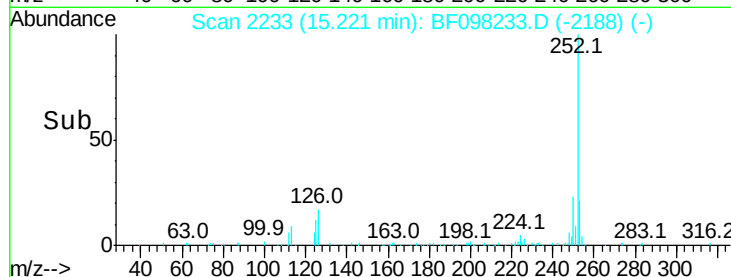
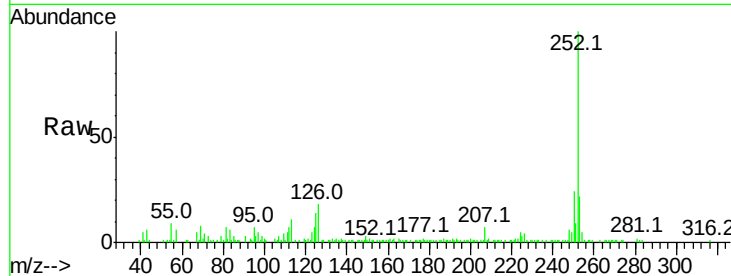
#89
Benzo(a)pyrene
Concen: 5.761 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
RT4651-1540

Tot Ion:	252	Resp:	60954
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.5	26.3
125	14.3	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.791 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.05 min
Lab File: BF098233.D
Acq: 1 Sep 2017 18:13

Tgt Ion:	276	Resp:	25087
Ion Ratio	Lower	Upper	
276	100		
277	27.3	18.6	28.0
138	29.1	25.4	38.0

