

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070915\
 Data File : BF080404.D
 Acq On : 9 Jul 2015 17:02
 Operator : TP/UM
 Sample : G2750-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-1

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Quant Time: Jul 10 01:12:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 10 00:56:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.20	152	38370	20.00	ng	0.00
21) Naphthalene-d8	8.49	136	160135	20.00	ng	0.00
38) Acenaphthene-d10	10.26	164	86292	20.00	ng	0.00
63) Phenanthrene-d10	11.76	188	158355	20.00	ng	-0.01
75) Chrysene-d12	14.72	240	183385	20.00	ng	-0.11
86) Perylene-d12	16.56	264	182380	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	253210	120.86	ng	0.00
7) Phenol-d6	6.81	99	346536	124.78	ng	0.00
23) Nitrobenzene-d5	7.76	82	198291	72.22	ng	0.00
41) 2,4,6-Tribromophenol	11.05	330	80748	89.43	ng	-0.01
44) 2-Fluorobiphenyl	9.56	172	320627	50.14	ng	-0.01
78) Terphenyl-d14	13.45	244	395267	50.27	ng	-0.06
Target Compounds						Qvalue
31) Naphthalene	8.51	128	88029	10.72	ng	100
32) Benzoic acid	8.17	122	4123	8.99	ng	94
37) 2-Methylnaphthalene	9.21	142	28529	5.45	ng	97
49) Dimethylphthalate	9.96	163	46375	6.69	ng	# 97
70) Phenanthrene	11.79	178	89343	9.41	ng	97
71) Anthracene	11.84	178	30058	3.23	ng	98
74) Fluoranthene	13.05	202	137561	13.48	ng	96
77) Pyrene	13.30	202	147677	13.31	ng	98
80) Benzo(a)anthracene	14.71	228	100373	9.08	ng	96
82) Chrysene	14.75	228	76602	7.41	ng	97
85) Indeno(1,2,3-cd)pyrene	18.31	276	36374	2.99	ng	# 92
87) Benzo(b)fluoranthene	16.04	252	85156m	7.43	ng	
88) Benzo(k)fluoranthene	16.08	252	32939m	3.04	ng	
89) Benzo(a)pyrene	16.48	252	65510	6.25	ng	# 97
91) Benzo(g,h,i)perylene	18.83	276	36642	3.50	ng	96

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

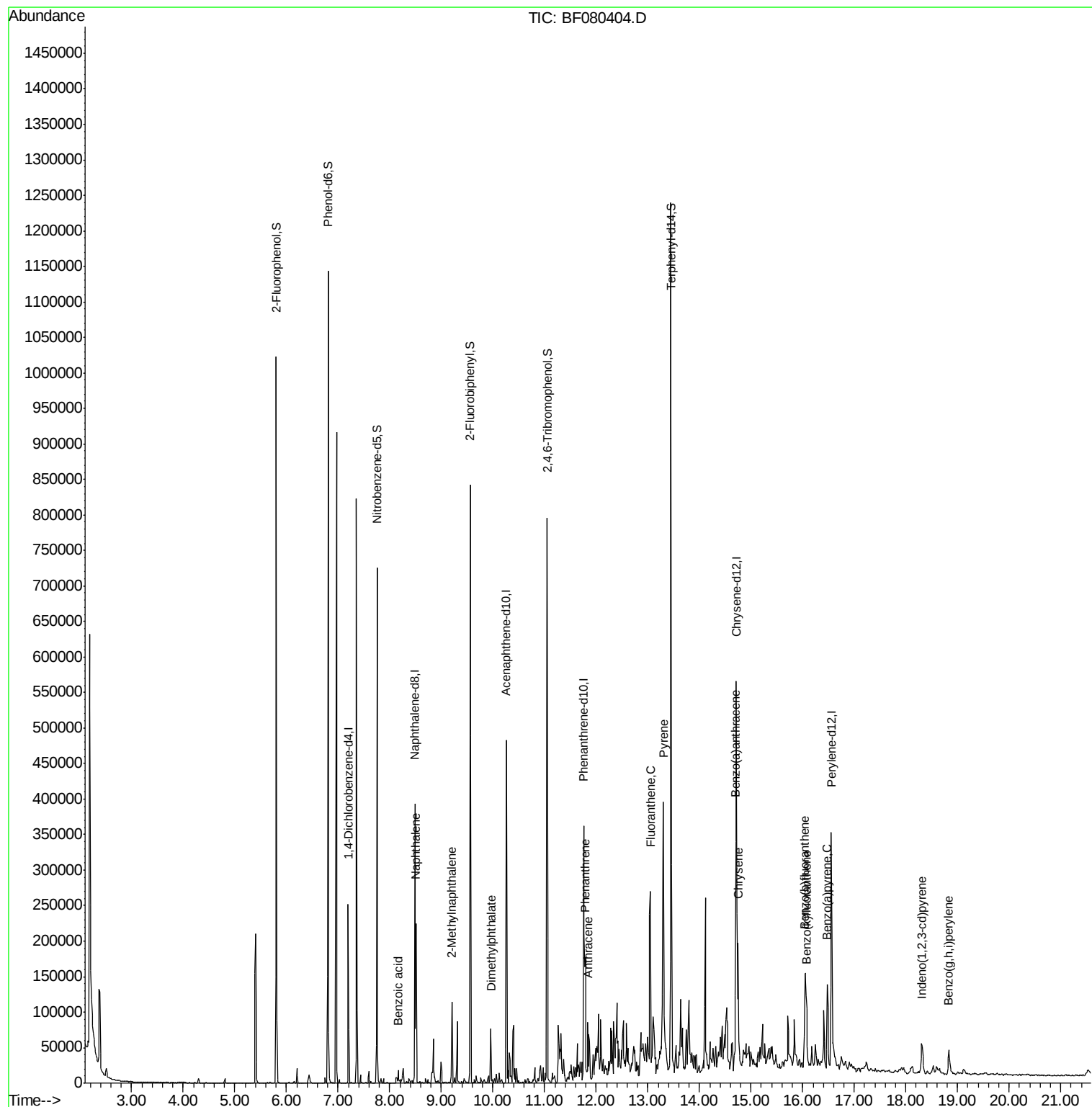
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070915\
Data File : BF080404.D
Acq On : 9 Jul 2015 17:02
Operator : TP/UM
Sample : G2750-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

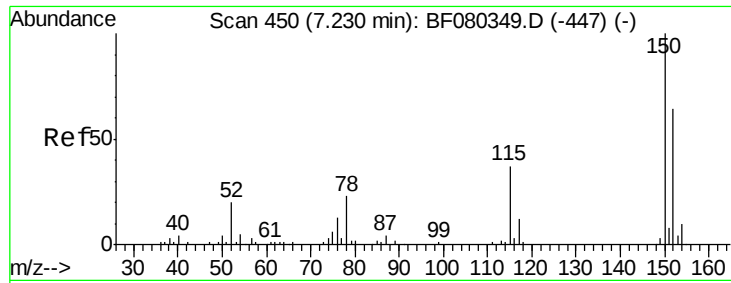
Instrument :
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CF-1

Quant Time: Jul 10 01:12:54 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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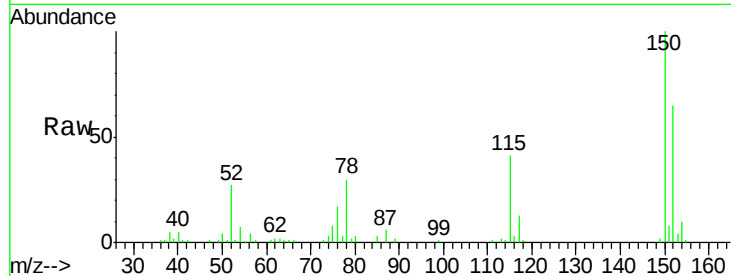




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF080404.D
Acq: 9 Jul 2015 17:02

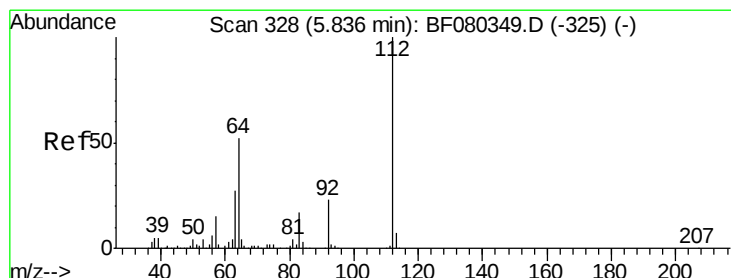
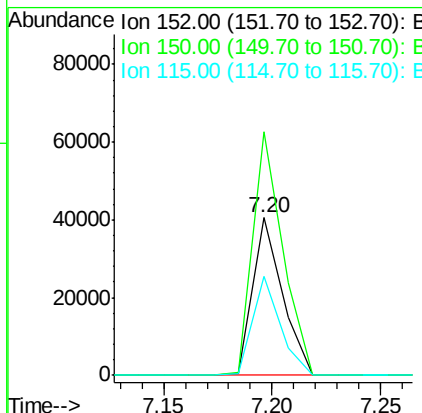
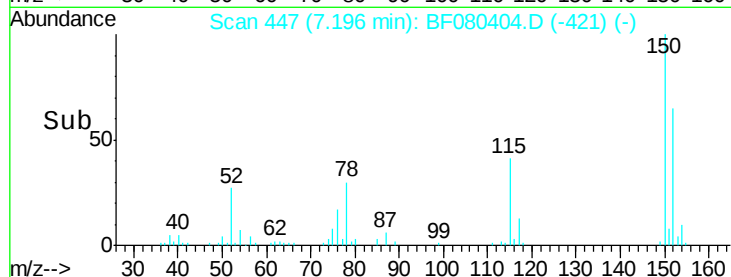
Instrument :
BNA_F
ClientSampleId :
CF-1



Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.7	187.1
115	62.9	45.7	68.5

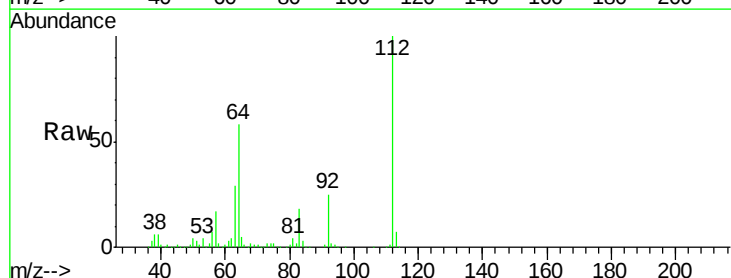
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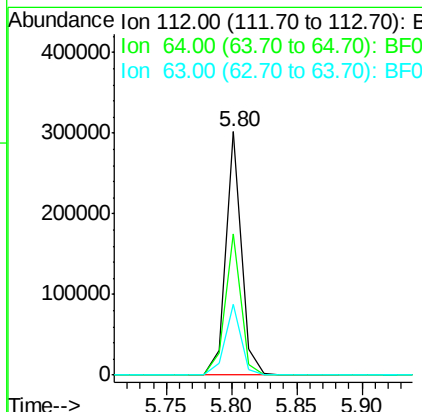
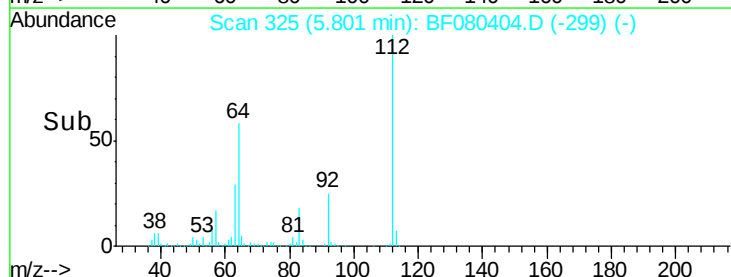


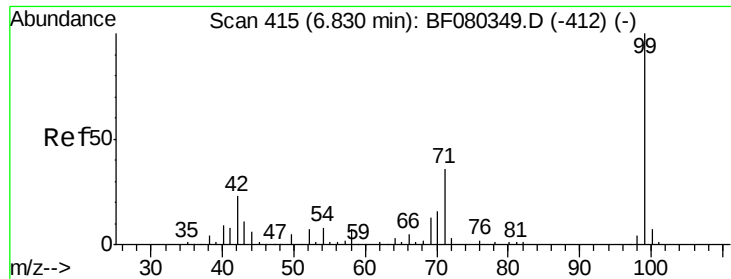
#5

2-Fluorophenol
Concen: 120.86 ng
RT: 5.80 min Scan# 325
Delta R.T. 0.00 min
Lab File: BF080404.D
Acq: 9 Jul 2015 17:02



Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	41.8	62.6
63	29.0	21.5	32.3





#7

Phenol-d6

Concen: 124.78 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF080404.D

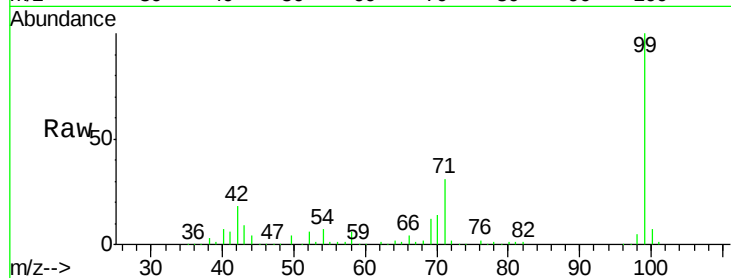
Acq: 9 Jul 2015 17:02

Instrument :

BNA_F

ClientSampled :

CF-1



Tgt Ion: 99 Resp: 346536

Ion Ratio Lower Upper

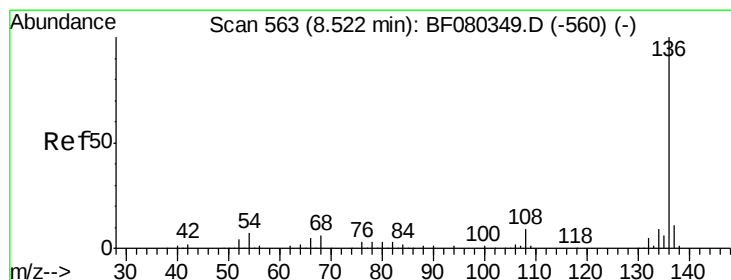
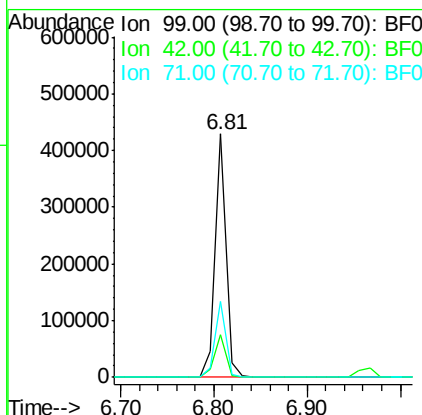
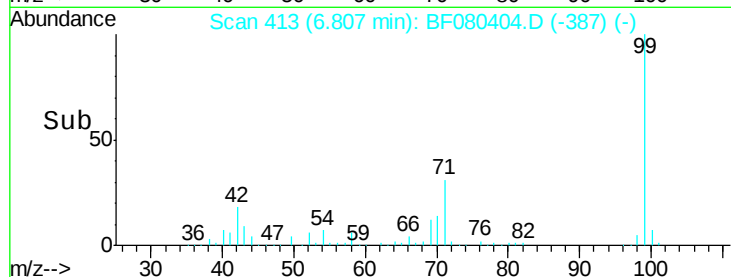
99 100

42 17.7 18.5 27.7#

71 31.3 28.5 42.7

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.49 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF080404.D

Acq: 9 Jul 2015 17:02

Tgt Ion: 136 Resp: 160135

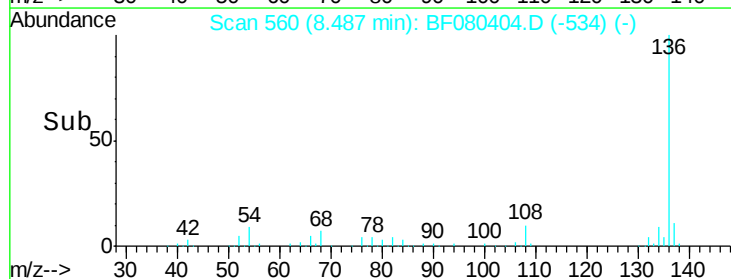
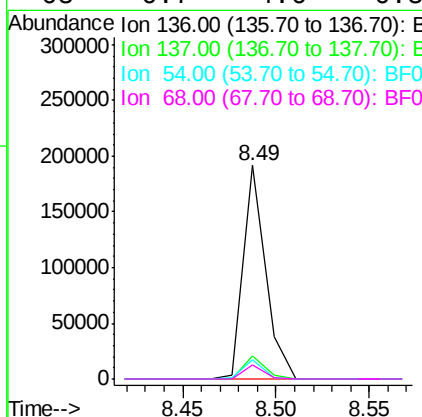
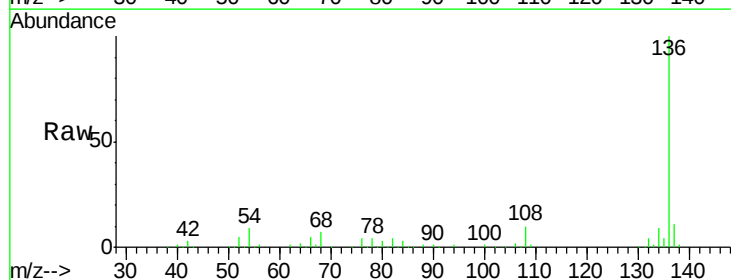
Ion Ratio Lower Upper

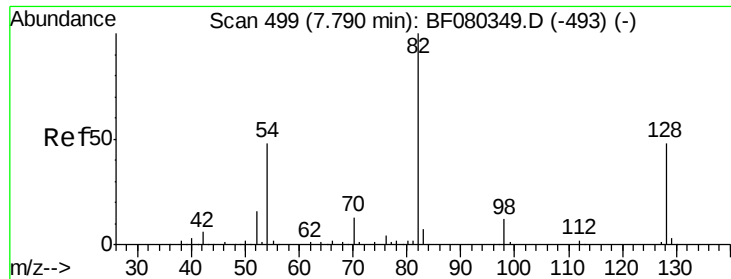
136 100

137 10.7 8.5 12.7

54 9.3 5.8 8.8#

68 6.7 4.6 6.8





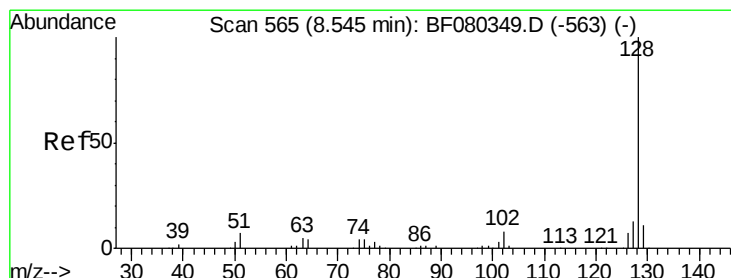
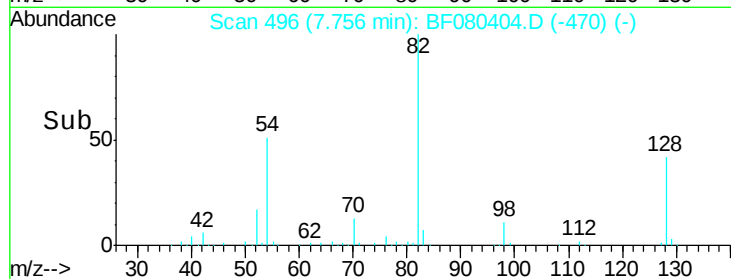
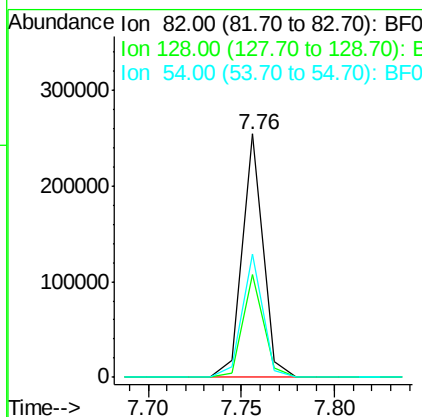
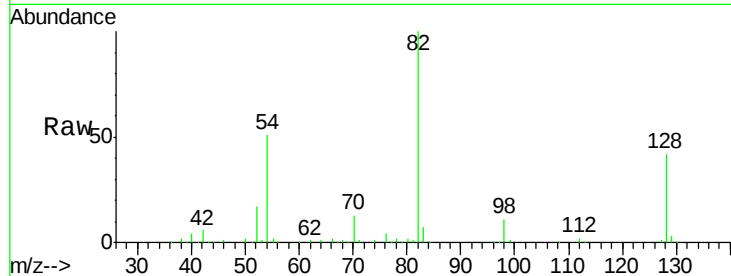
#23
 Nitrobenzene-d5
 Concen: 72.22 ng
 RT: 7.76 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: BF080404.D
 Acq: 9 Jul 2015 17:02

Instrument :
 BNA_F
 ClientSampleId :
 CF-1

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	198291		
128	42.0	38.4	57.6	
54	50.9	38.2	57.2	

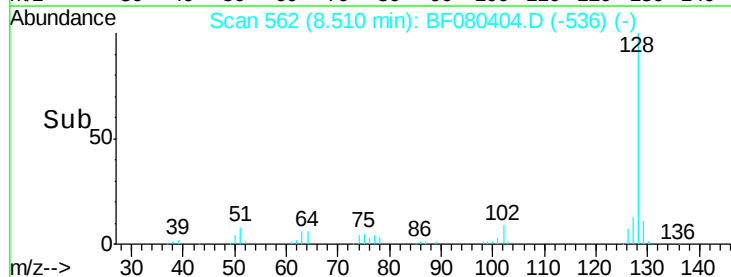
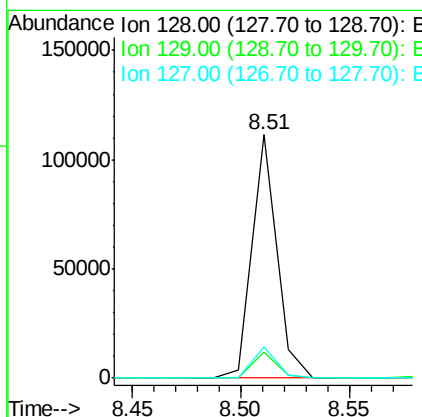
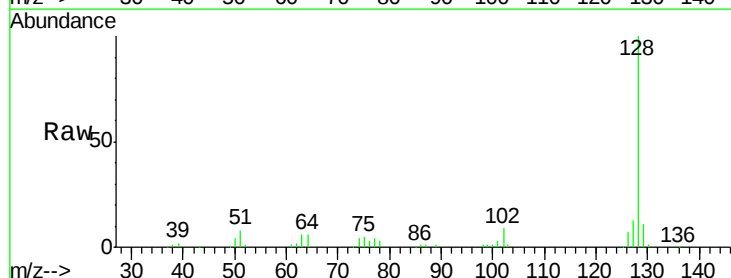
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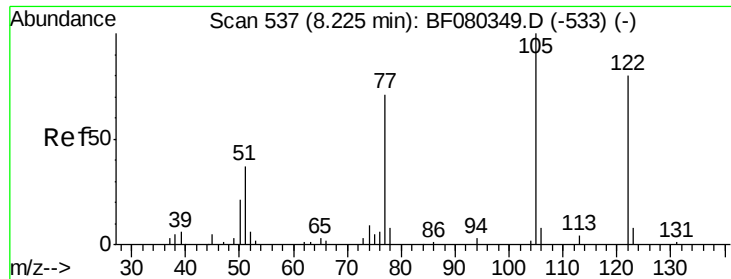
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#31
 Naphthalene
 Concen: 10.72 ng
 RT: 8.51 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BF080404.D
 Acq: 9 Jul 2015 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	88029		
129	10.7	8.8	13.2	
127	12.9	10.4	15.6	





#32

Benzoic acid

Concen: 8.99 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.03 min

Lab File: BF080404.D

Acq: 9 Jul 2015 17:02

Instrument :

BNA_F

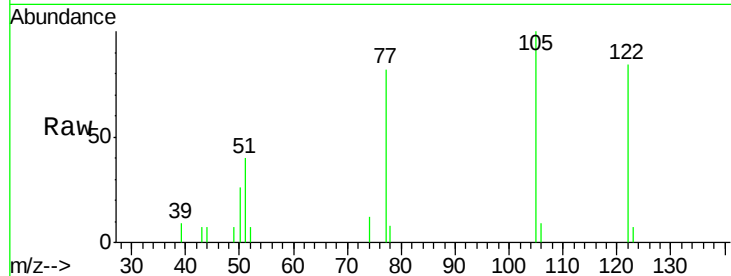
ClientSampled :

CF-1

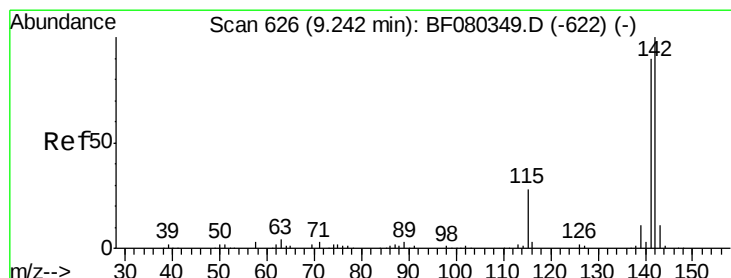
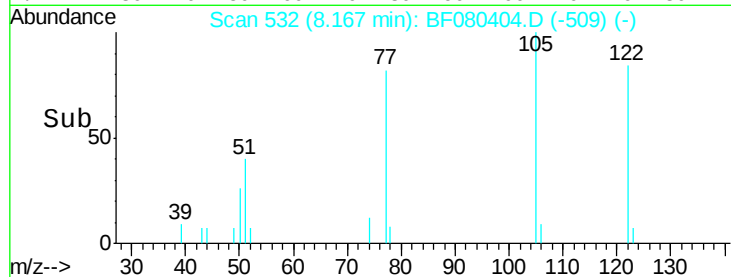
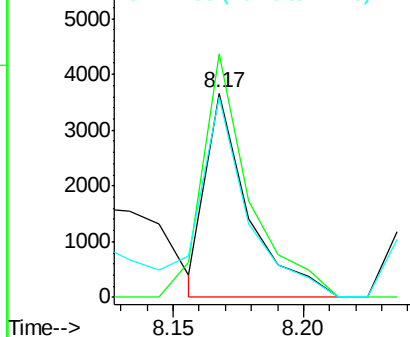
Tgt Ion:	122	Resp:	4123
Ion Ratio	Lower	Upper	
122	100		
105	119.2	102.2	142.2
77	98.2	68.8	108.8

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0



#37

2-Methylnaphthalene

Concen: 5.45 ng

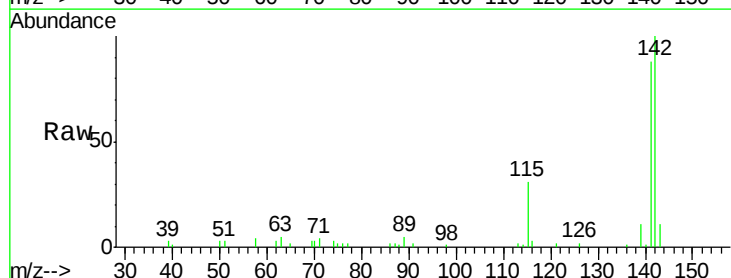
RT: 9.21 min Scan# 623

Delta R.T. 0.00 min

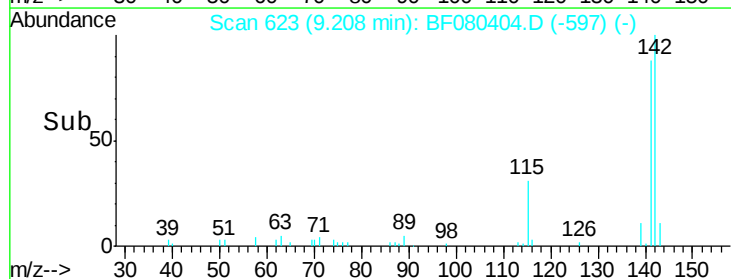
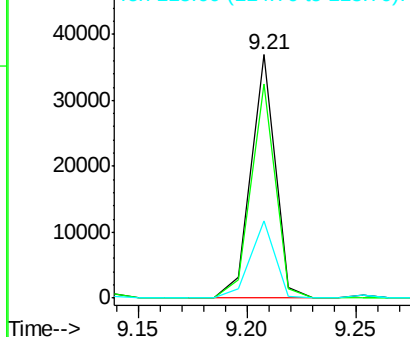
Lab File: BF080404.D

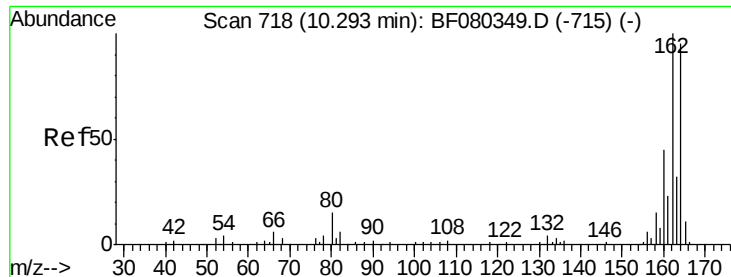
Acq: 9 Jul 2015 17:02

Tgt Ion:	142	Resp:	28529
Ion Ratio	Lower	Upper	
142	100		
141	87.8	71.8	107.8
115	31.5	22.6	34.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF080404.D

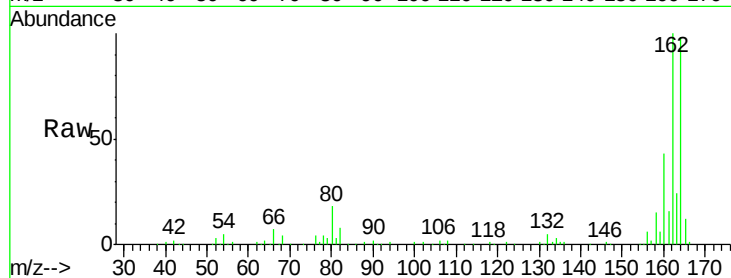
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Instrument :

BNA_F

ClientSampleId :

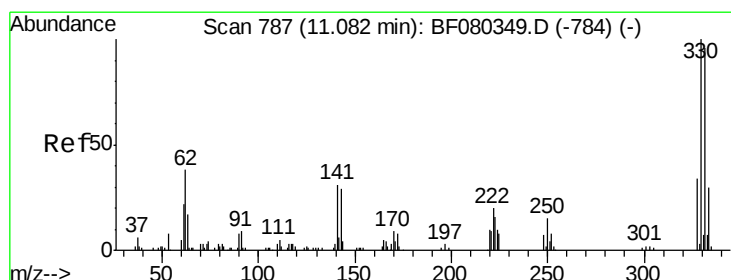
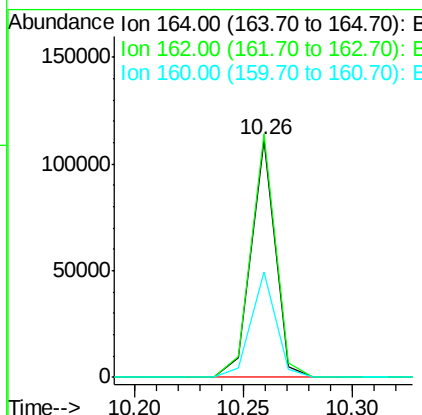
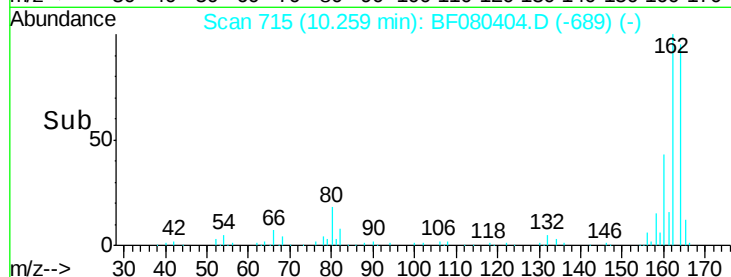
CF-1



Tgt Ion:	164	Resp:	86292
Ion Ratio	Lower	Upper	
164	100		
162	102.5	84.5	126.7
160	44.1	37.7	56.5

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#41

2,4,6-Tribromophenol

Concen: 89.43 ng

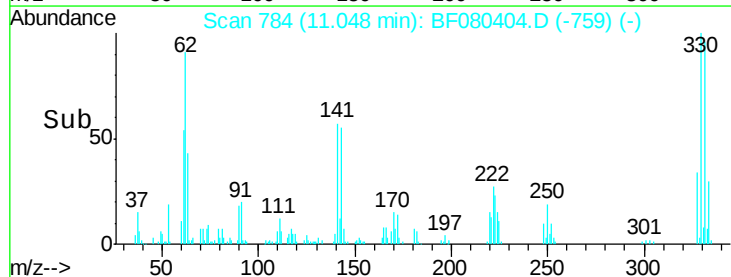
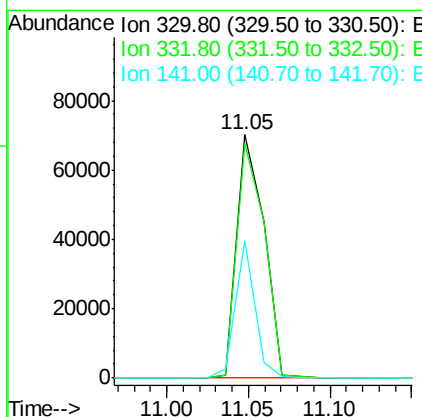
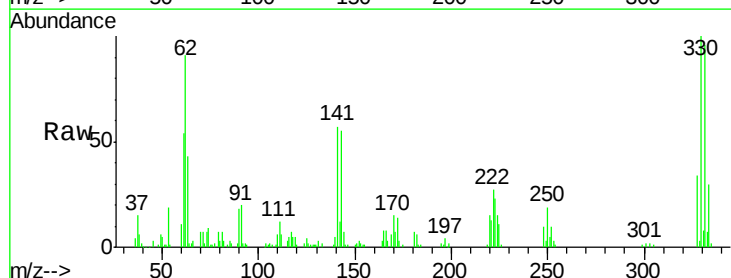
RT: 11.05 min Scan# 784

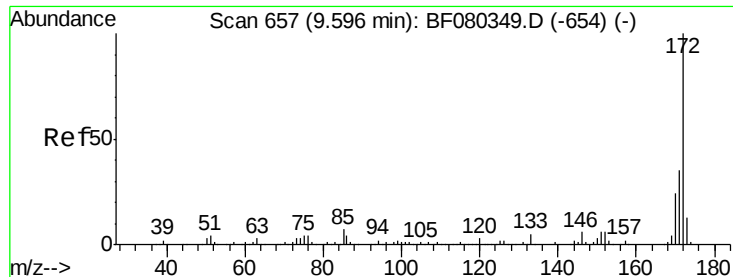
Delta R.T. -0.01 min

Lab File: BF080404.D

Acq: 9 Jul 2015 17:02

Tgt Ion:	330	Resp:	80748
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.0	115.4
141	40.2	29.6	44.4





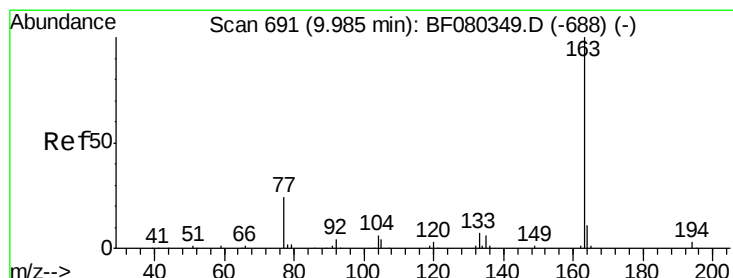
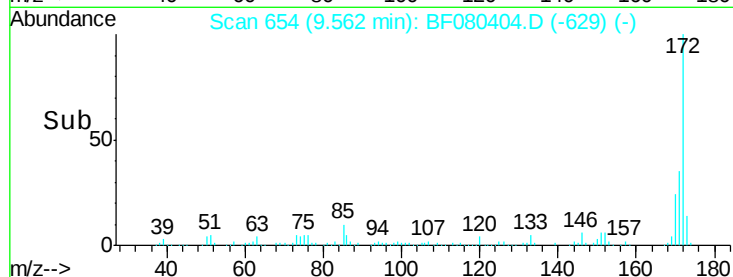
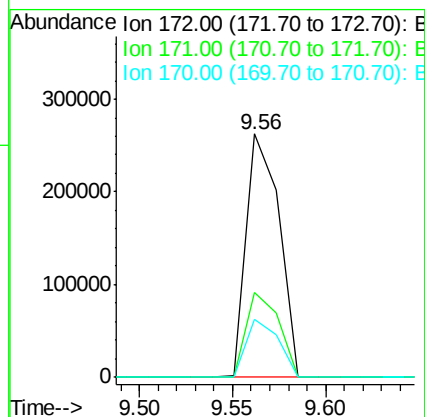
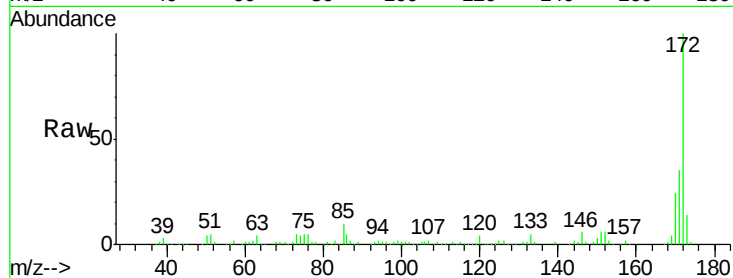
#44
2-Fluorobiphenyl
Concen: 50.14 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF080404.D
Acq: 9 Jul 2015 17:02

Instrument :
BNA_F
ClientSampleId :
CF-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.1	28.3	42.5
170	24.0	19.1	28.7

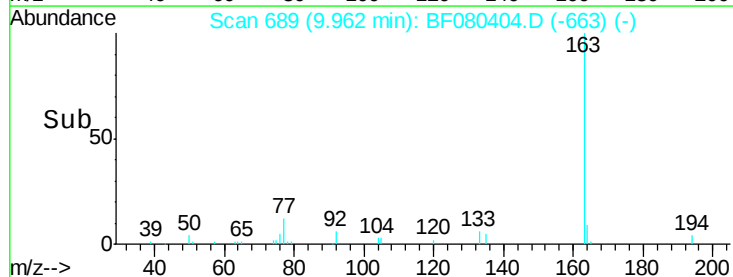
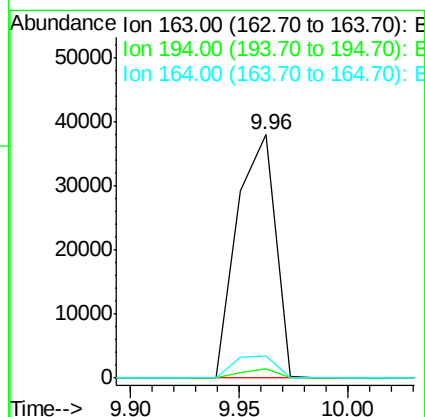
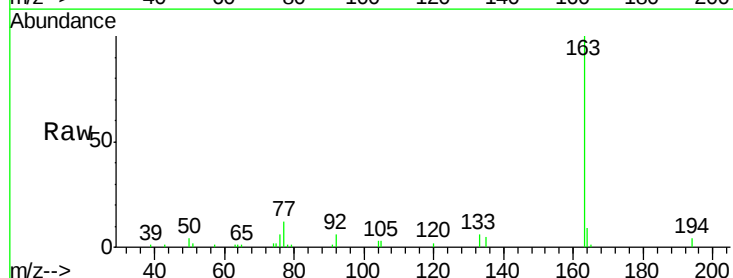
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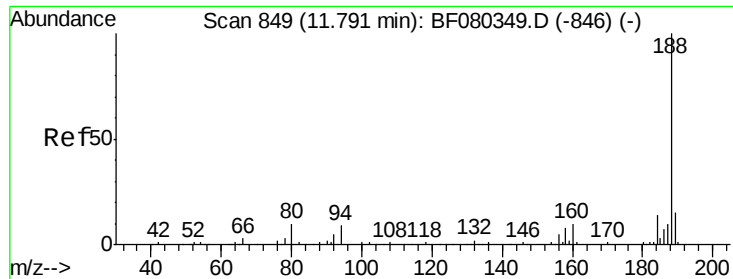
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#49
Dimethylphthalate
Concen: 6.69 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF080404.D
Acq: 9 Jul 2015 17:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.0	2.6	3.8#
164	9.3	8.5	12.7





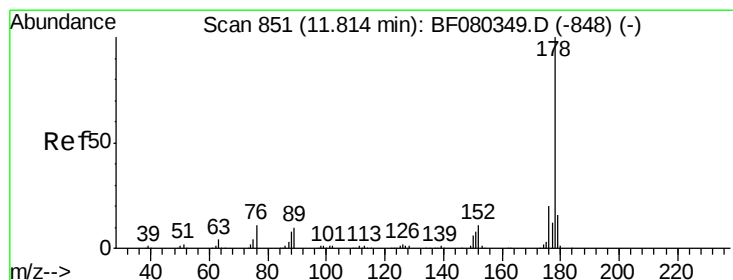
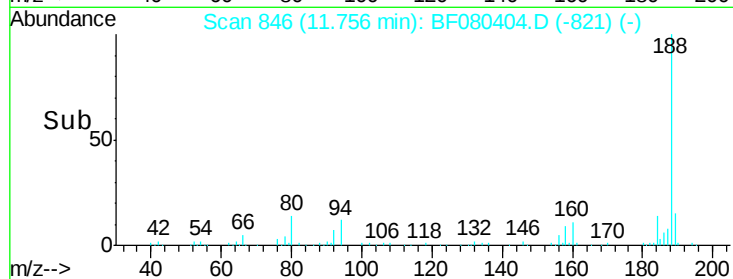
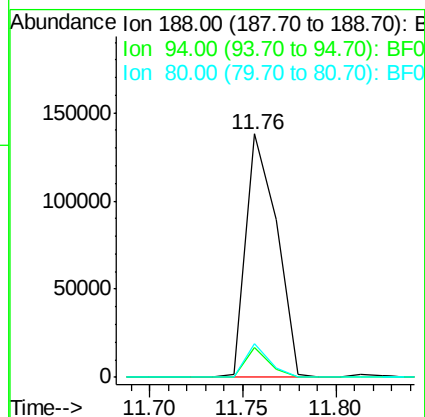
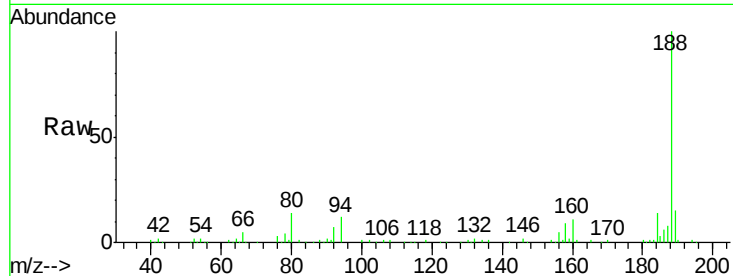
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.76 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF080404.D
Acq: 9 Jul 2015 17:02

Instrument :
BNA_F
ClientSampleId :
CF-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.3	7.5	11.3#
80	14.0	8.3	12.5#

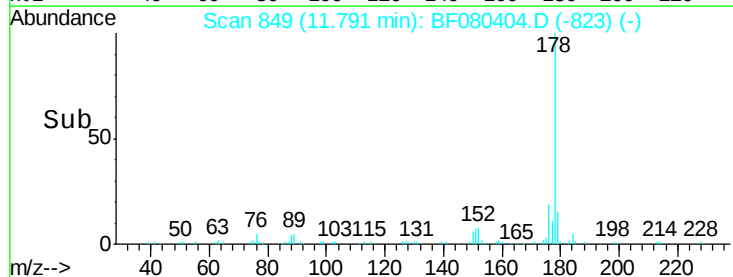
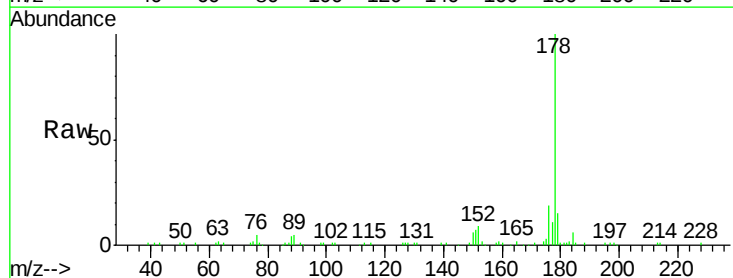
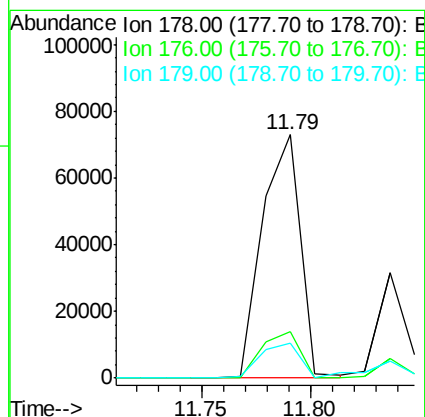
Manual Integrations
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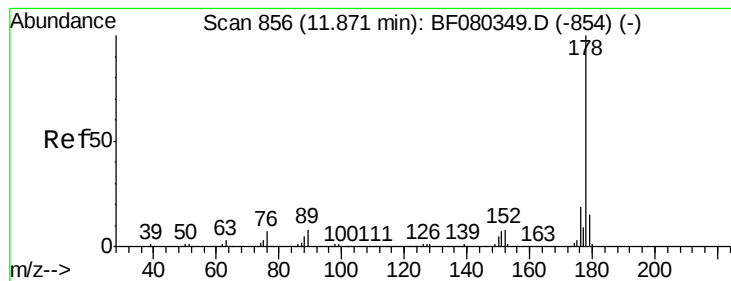
mohammad
7/10/2015 8:01:58 AM



#70
Phenanthrene
Concen: 9.41 ng
RT: 11.79 min Scan# 849
Delta R.T. 0.00 min
Lab File: BF080404.D
Acq: 9 Jul 2015 17:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	16.1	24.1
179	14.5	12.6	18.8





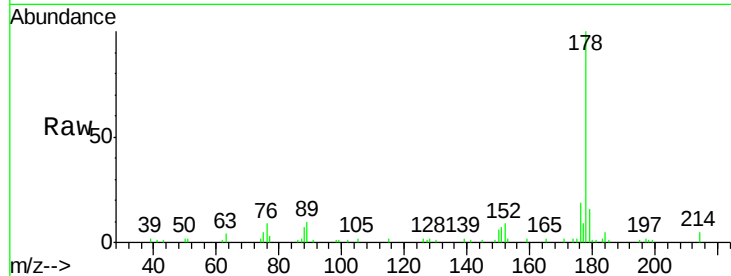
#71
 Anthracene
 Concen: 3.23 ng
 RT: 11.84 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: BF080404.D
 Acq: 9 Jul 2015 17:02

Instrument :
 BNA_F
 ClientSampled :
 CF-1

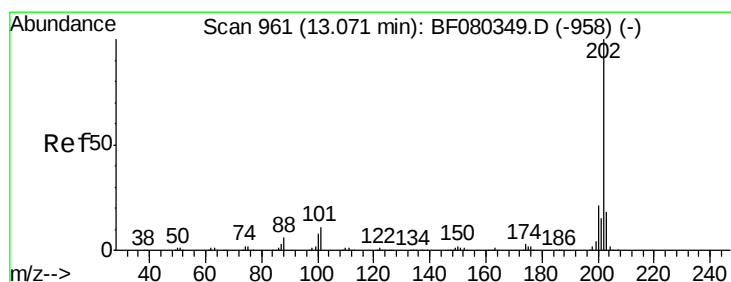
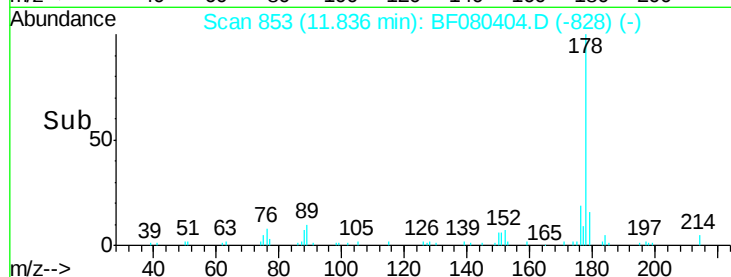
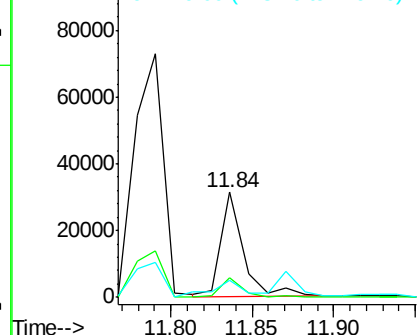
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	16.4	12.3	18.5

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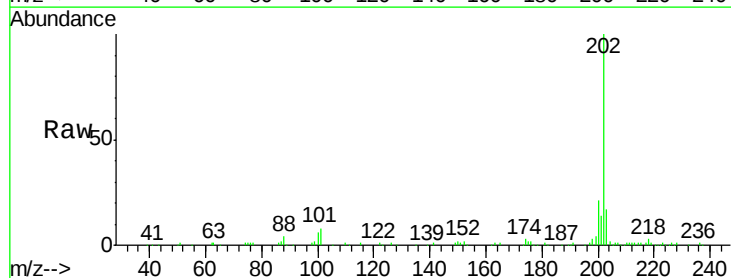


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

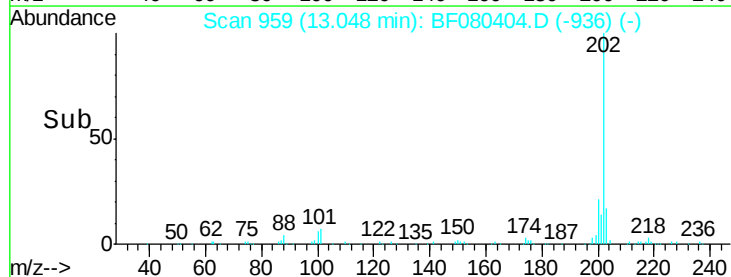
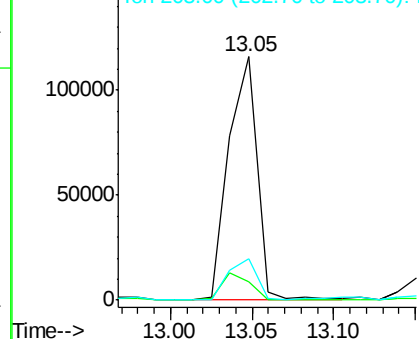


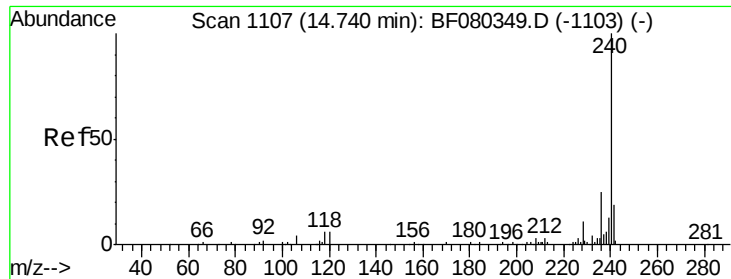
#74
 Fluoranthene
 Concen: 13.48 ng
 RT: 13.05 min Scan# 959
 Delta R.T. -0.03 min
 Lab File: BF080404.D
 Acq: 9 Jul 2015 17:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	31.0
203	16.8	0.0	37.6



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.72 min Scan# 1105

Delta R.T. -0.11 min

Lab File: BF080404.D

Acq: 9 Jul 2015 17:02

Instrument :

BNA_F

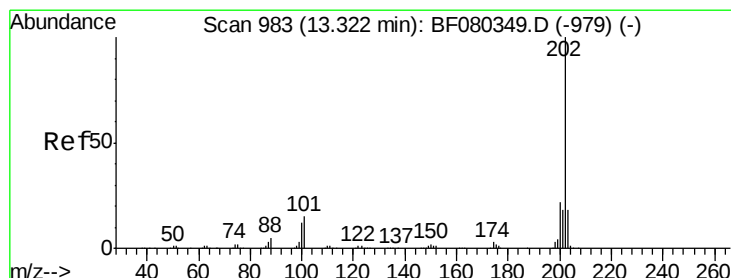
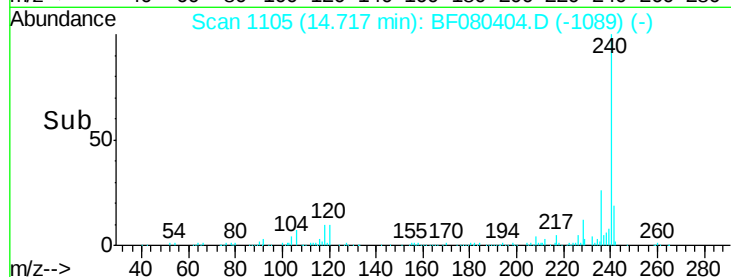
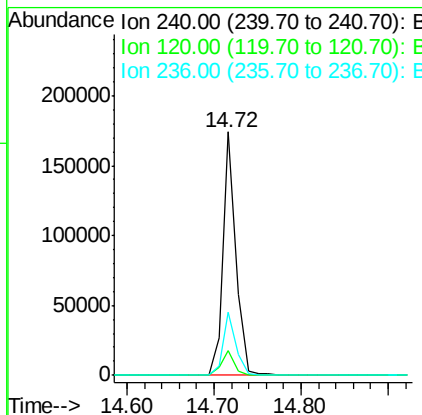
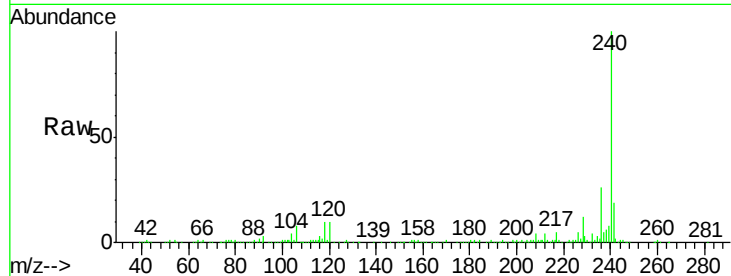
ClientSampleId :

CF-1

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		183385		
120	10.4	5.1	7.7#		
236	26.1	20.4	30.6		

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#77

Pyrene

Concen: 13.31 ng

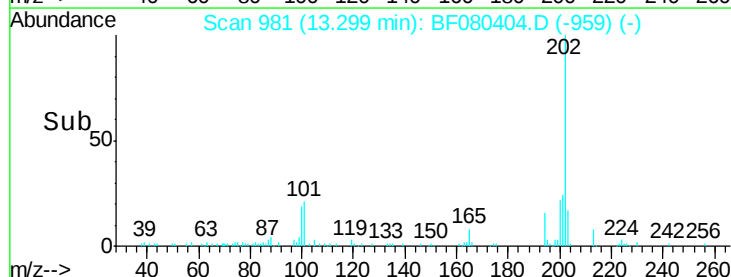
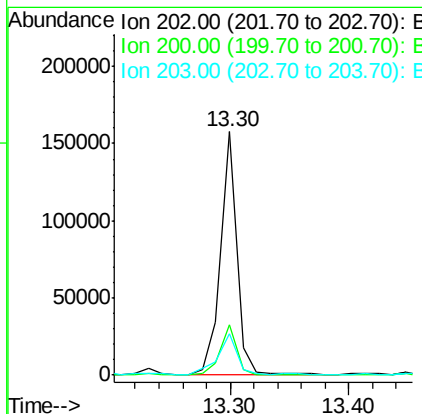
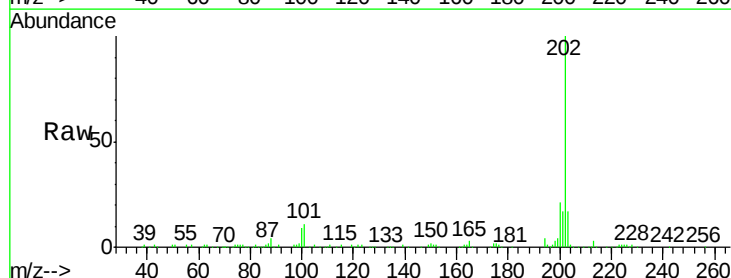
RT: 13.30 min Scan# 981

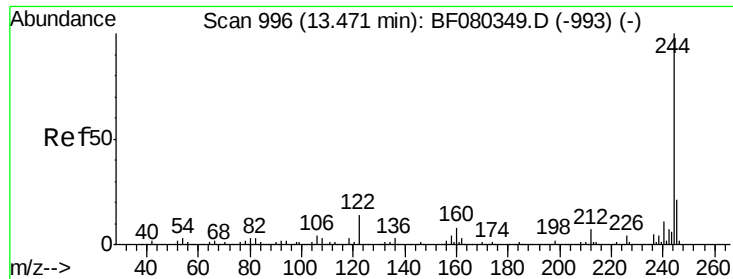
Delta R.T. -0.05 min

Lab File: BF080404.D

Acq: 9 Jul 2015 17:02

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		147677		
200	20.9	17.2	25.8		
203	16.9	14.3	21.5		





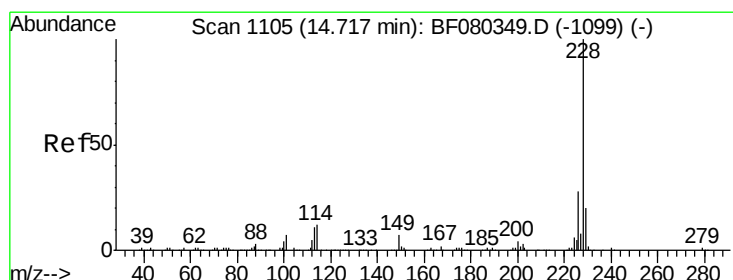
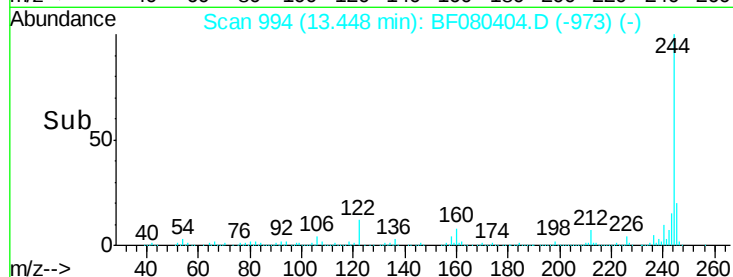
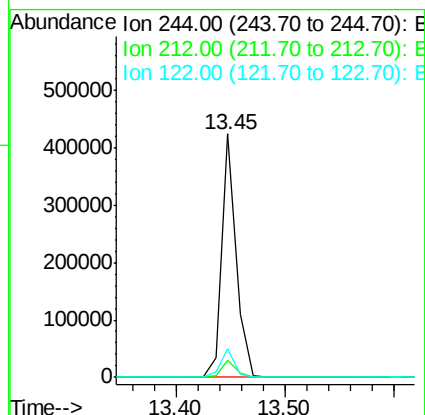
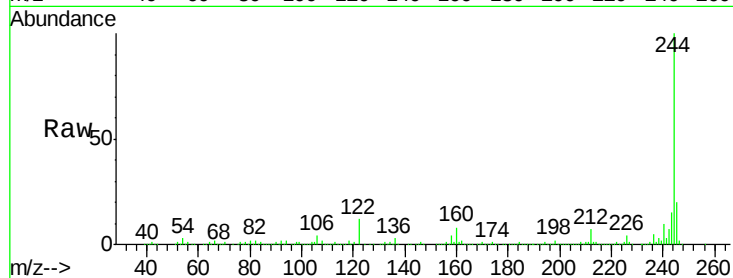
#78
 Terphenyl-d14
 Concen: 50.27 ng
 RT: 13.45 min Scan# 994
 Delta R.T. -0.06 min
 Lab File: BF080404.D
 Acq: 9 Jul 2015 17:02

Instrument :
 BNA_F
 ClientSampled :
 CF-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	5.8	8.8
122	11.9	11.1	16.7

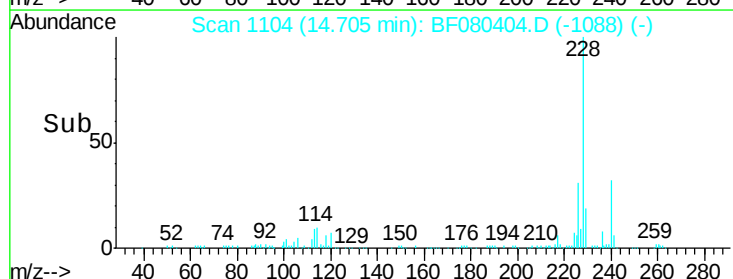
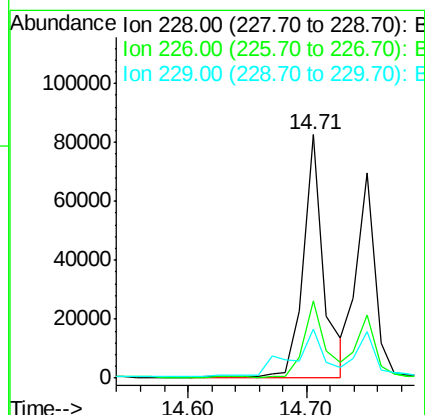
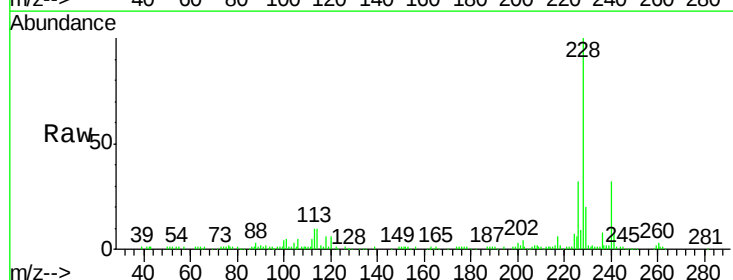
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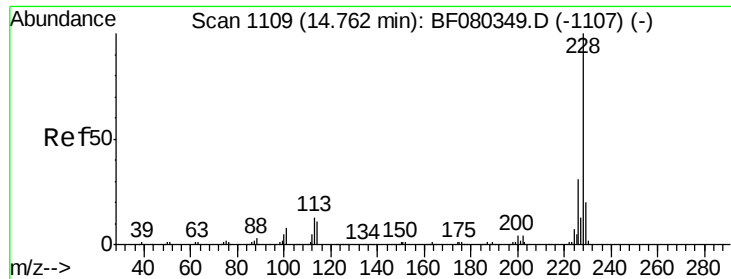
mohammad
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#80
 Benzo(a)anthracene
 Concen: 9.08 ng
 RT: 14.71 min Scan# 1104
 Delta R.T. -0.11 min
 Lab File: BF080404.D
 Acq: 9 Jul 2015 17:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.6	22.2	33.4
229	20.0	16.0	24.0





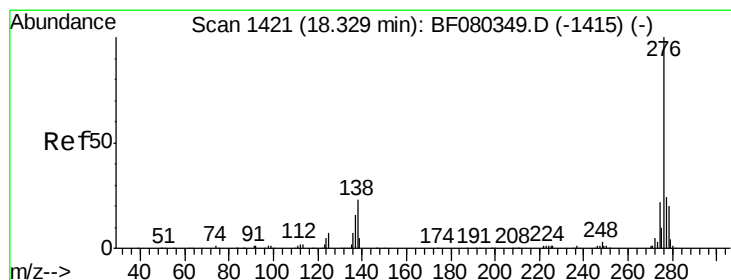
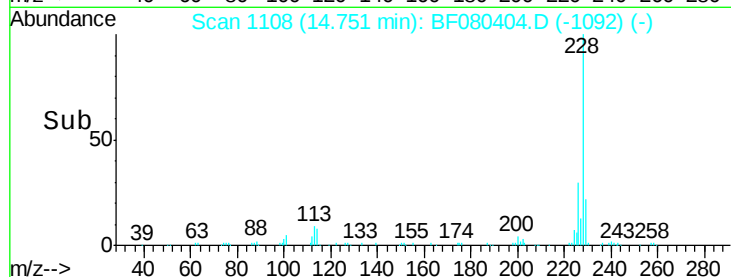
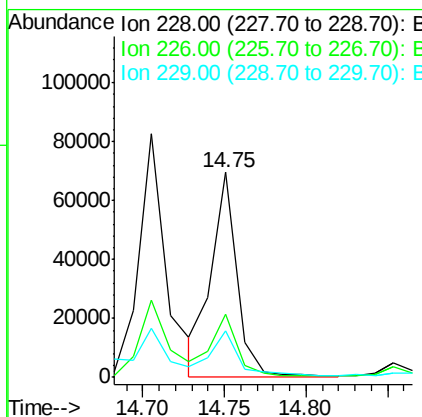
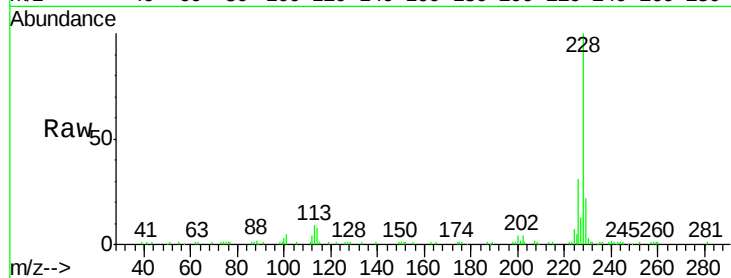
#82
Chrysene
Concen: 7.41 ng
RT: 14.75 min Scan# 1108
Delta R.T. -0.11 min
Lab File: BF080404.D
Acq: 9 Jul 2015 17:02

Instrument :
BNA_F
ClientSampleId :
CF-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.4
229	22.5	16.1	24.1

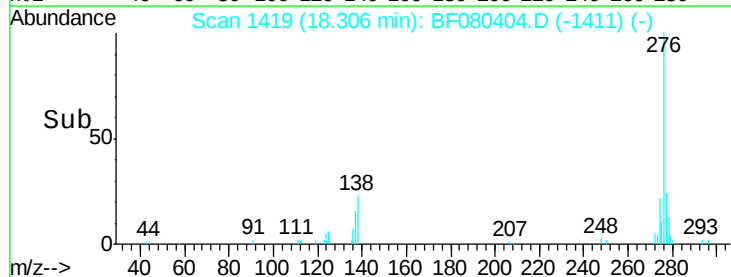
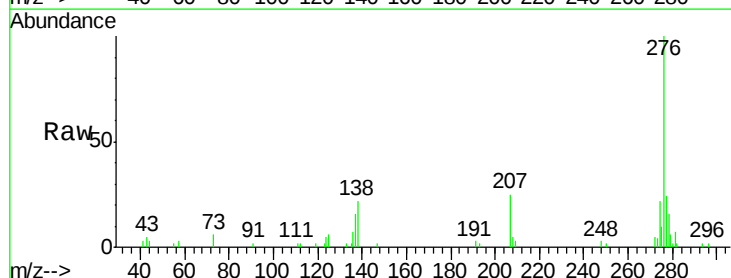
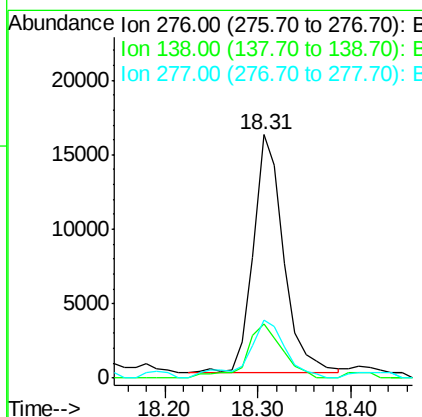
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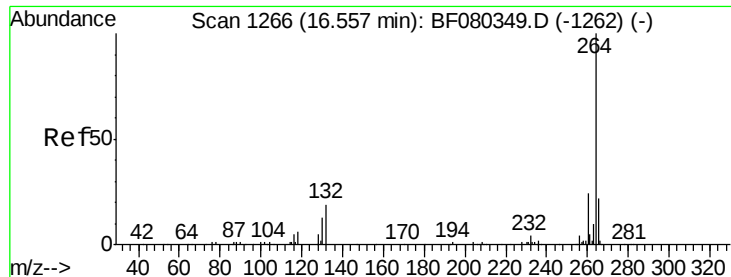
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.99 ng
RT: 18.31 min Scan# 1419
Delta R.T. -0.21 min
Lab File: BF080404.D
Acq: 9 Jul 2015 17:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.9	19.7	29.5
277	30.1	19.4	29.0





#86

Perylene-d12

Concen: 20.00 ng

RT: 16.56 min Scan# 1266

Delta R.T. -0.18 min

Lab File: BF080404.D

Acq: 9 Jul 2015 17:02

Instrument :

BNA_F

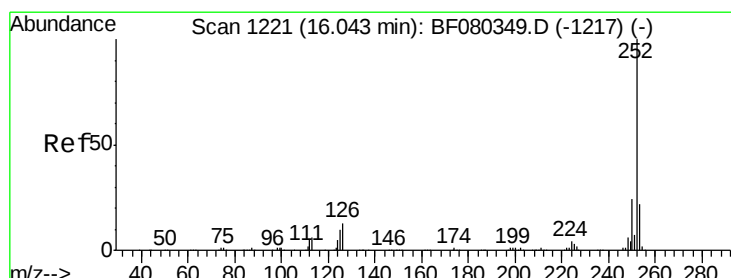
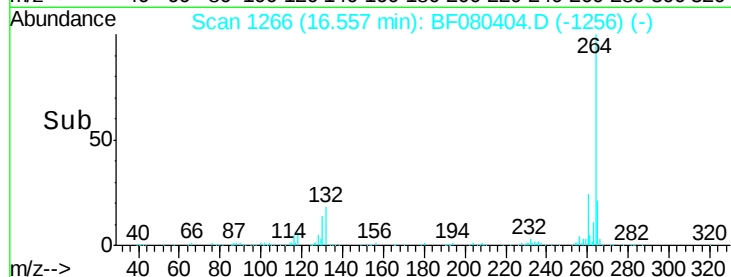
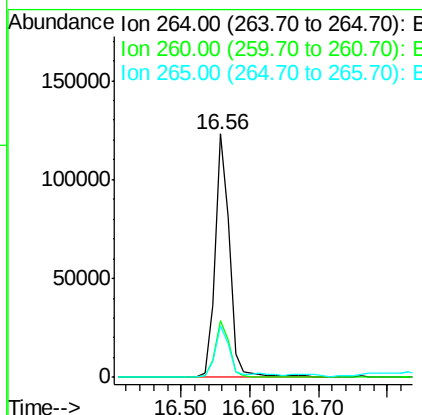
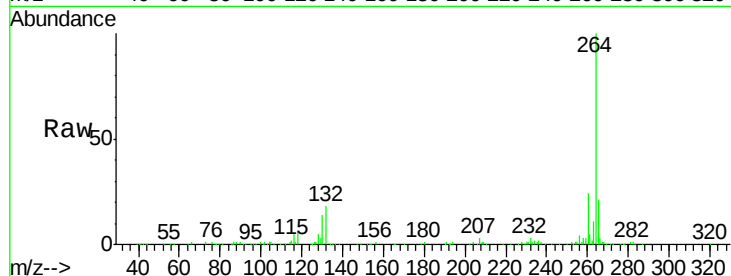
ClientSampleId :

CF-1

Tgt Ion:	264	Resp:	182380
Ion Ratio		Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.3	17.6	26.4

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#87

Benzo(b)fluoranthene

Concen: 7.43 ng m

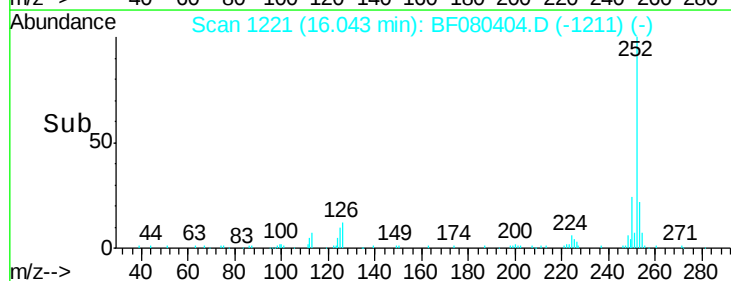
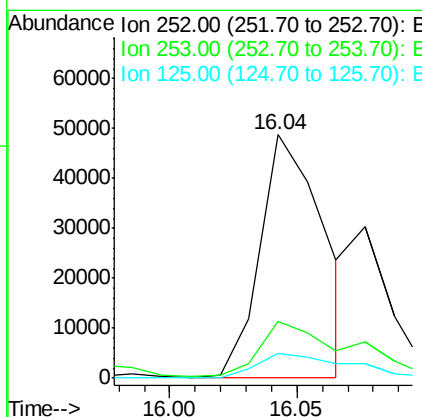
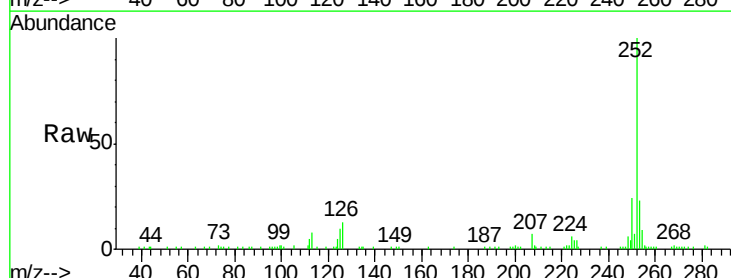
RT: 16.04 min Scan# 1221

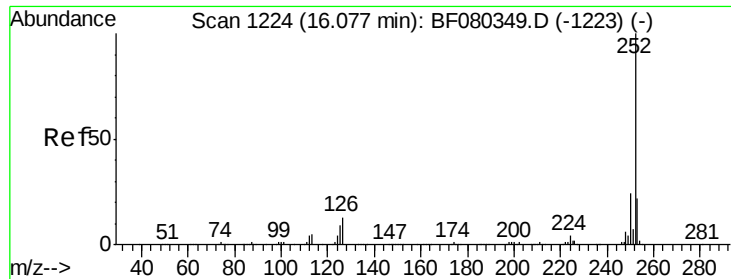
Delta R.T. -0.18 min

Lab File: BF080404.D

Acq: 9 Jul 2015 17:02

Tgt Ion:	252	Resp:	85156
Ion Ratio		Lower	Upper
252	100		
253	23.1	17.8	26.8
125	10.3	7.7	11.5





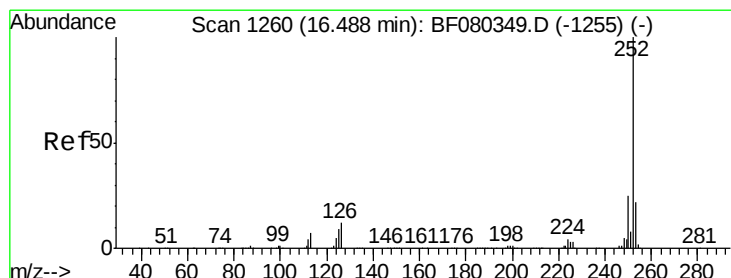
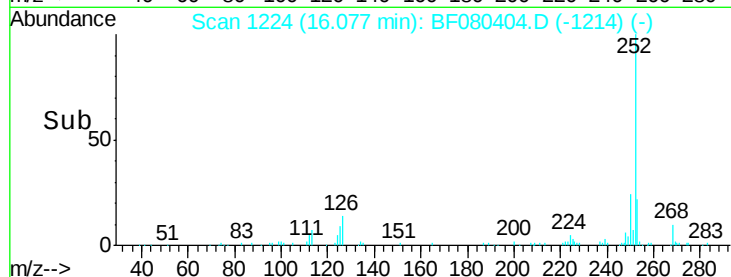
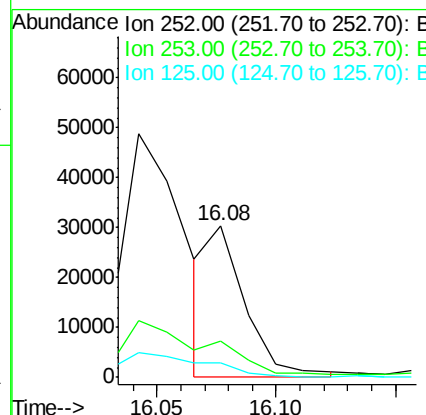
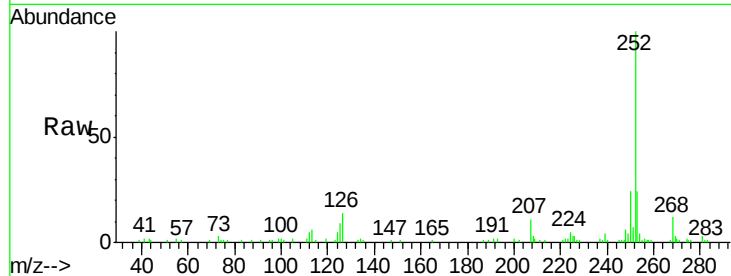
#88
Benzo(k)fluoranthene
Concen: 3.04 ng m
RT: 16.08 min Scan# 1224
Delta R.T. -0.18 min
Lab File: BF080404.D
Acq: 9 Jul 2015 17:02

Instrument :
BNA_F
ClientSampled :
CF-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	9.2	8.5	12.7

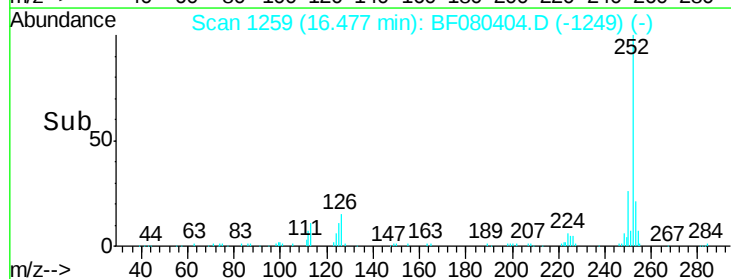
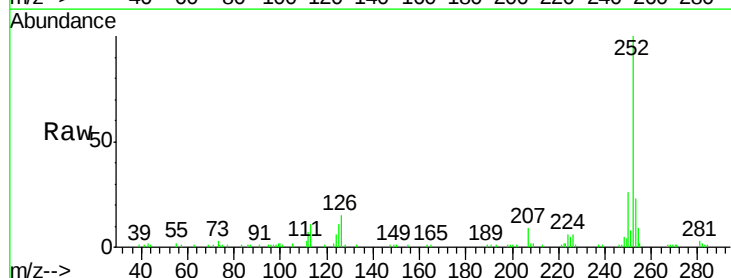
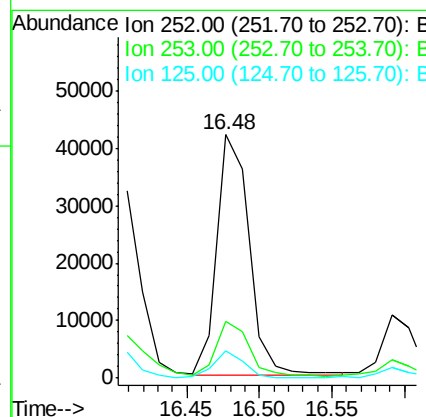
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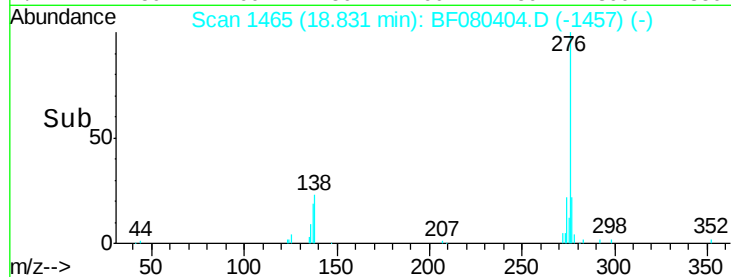
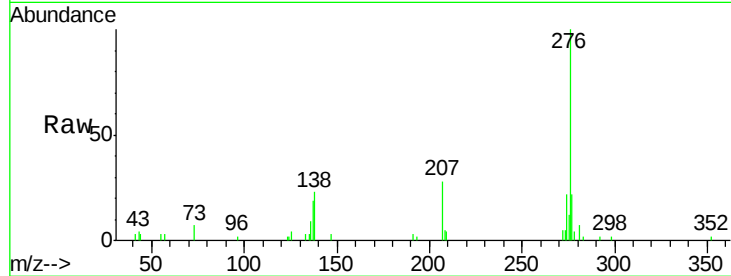
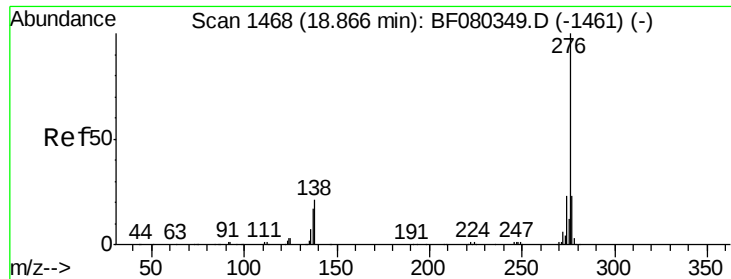
mohammad
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#89
Benzo(a)pyrene
Concen: 6.25 ng
RT: 16.48 min Scan# 1259
Delta R.T. -0.18 min
Lab File: BF080404.D
Acq: 9 Jul 2015 17:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	11.1	7.3	10.9#





#91
Benzo(g,h,i)perylene
Concen: 3.50 ng
RT: 18.83 min Scan# 1465
Delta R.T. -0.21 min
Lab File: BF080404.D
Acq: 9 Jul 2015 17:02

Instrument :
BNA_F
ClientSampleId :
CF-1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.0	18.6	28.0
138	23.2	16.8	25.2

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