

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
 Data File : BF079764.D
 Acq On : 6 Jun 2015 9:19
 Operator : TP/IZ
 Sample : G2464-11 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12S

Manual Integrations
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Quant Time: Jun 08 17:03:46 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 15:29:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	51344	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	208127	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	109997	20.00	ng	0.00
63) Phenanthrene-d10	12.09	188	241004	20.00	ng	0.02
75) Chrysene-d12	15.21	240	262381m	20.00	ng	0.27
86) Perylene-d12	17.25	264	249117m	20.00	ng	0.42
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	179260	58.52	ng	0.00
7) Phenol-d6	7.08	99	258885	65.43	ng	0.00
23) Nitrobenzene-d5	8.04	82	129939	38.33	ng	0.00
41) 2,4,6-Tribromophenol	11.36	330	65768	62.51	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	323774	39.88	ng	0.00
78) Terphenyl-d14	13.86	244	411817m	35.95	ng	0.15
Target Compounds						Qvalue
31) Naphthalene	8.81	128	24813	2.27	ng	97
49) Dimethylphthalate	10.24	163	69694	8.23	ng	98
70) Phenanthrene	12.11	178	154460	10.95	ng	97
71) Anthracene	12.17	178	40226	2.89	ng	99
74) Fluoranthene	13.44	202	221826	14.36	ng	96
77) Pyrene	13.70	202	221703m	13.78	ng	
80) Benzo(a)anthracene	15.20	228	116746m	7.27	ng	
82) Chrysene	15.25	228	104037m	7.01	ng	
85) Indeno(1,2,3-cd)pyrene	19.27	276	64050m	3.73	ng	
87) Benzo(b)fluoranthene	16.65	252	151643m	9.80	ng	
88) Benzo(k)fluoranthene	16.70	252	32361m	2.18	ng	
89) Benzo(a)pyrene	17.15	252	104891m	7.34	ng	
91) Benzo(a,h,i)perylene	19.87	276	62864m	4.41	ng	

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

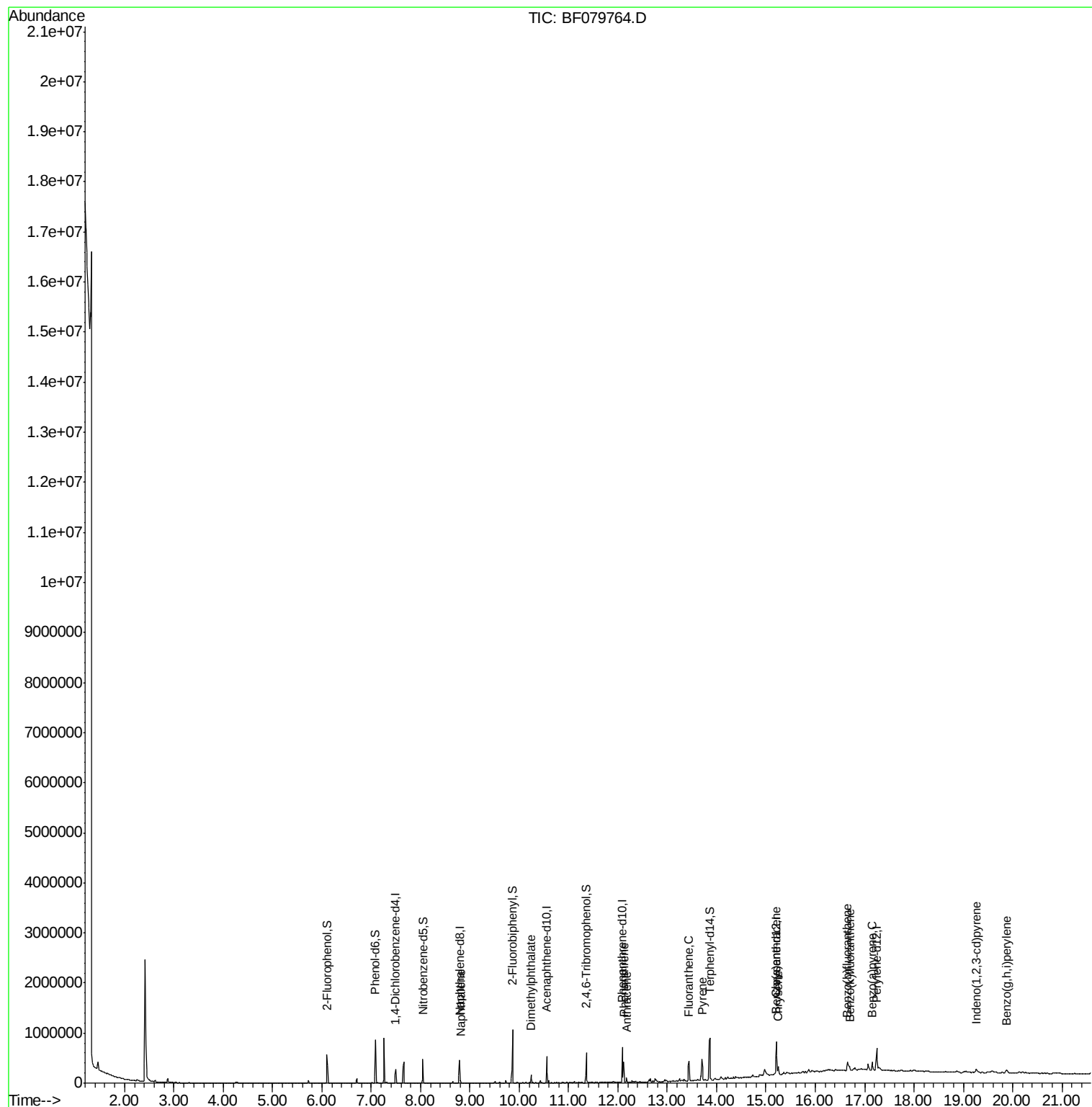
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
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ALS Vial : 26 Sample Multiplier: 1

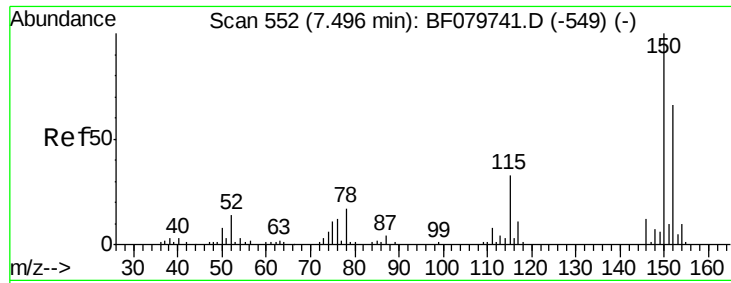
Instrument :
BNA_F
ClientSampleId :
SB-12S

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Quant Time: Jun 08 17:03:46 2015
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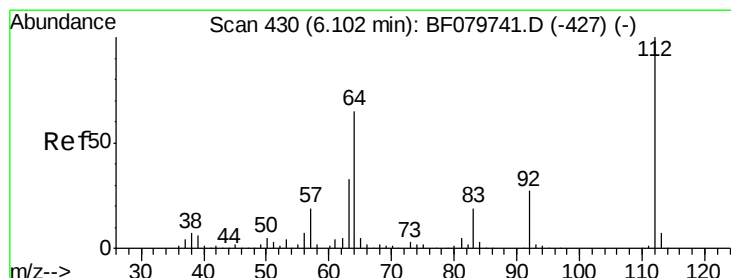
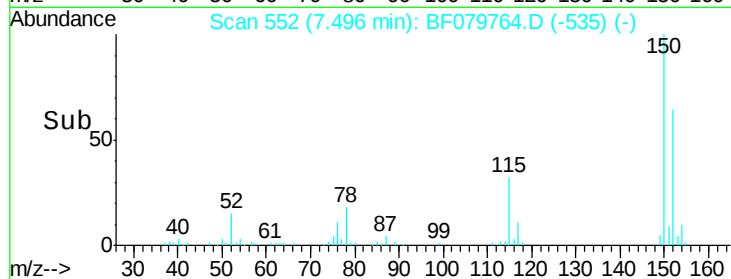
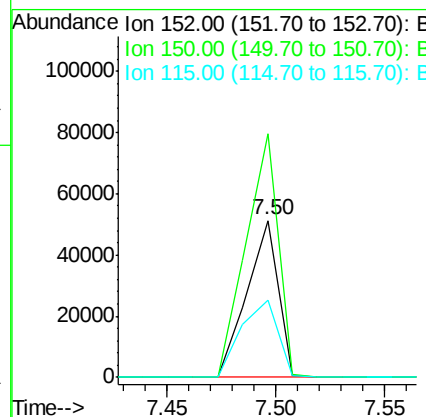
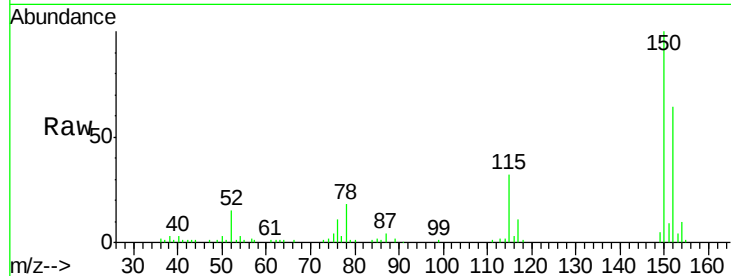
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.50 min Scan# 552
 Delta R.T. -0.00 min
 Lab File: BF079764.D
 Acq: 6 Jun 2015 9:19

Instrument :
 BNA_F
 ClientSampled :
 SB-12S

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	128.1	192.1
115	49.4	49.7	74.5

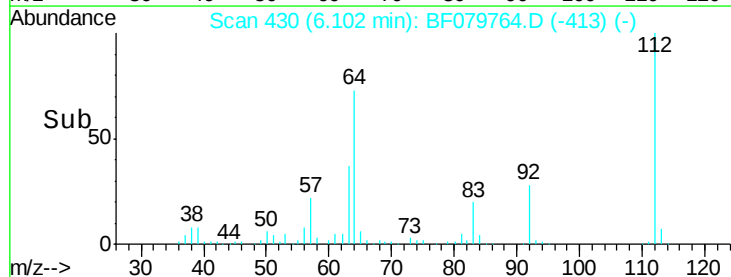
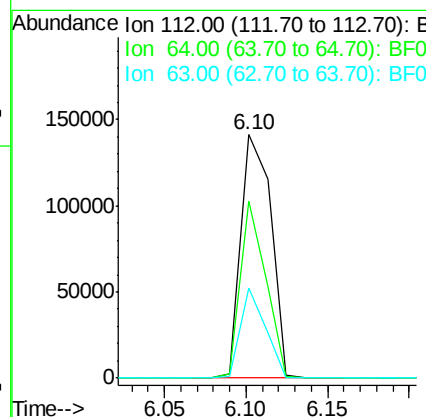
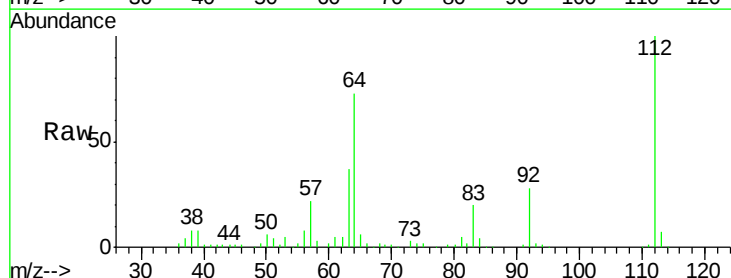
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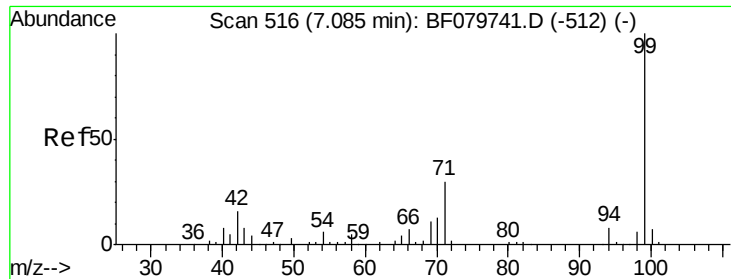
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#5
 2-Fluorophenol
 Concen: 58.52 ng
 RT: 6.10 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: BF079764.D
 Acq: 6 Jun 2015 9:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.9	49.6	74.4
63	36.8	24.9	37.3





#7

Phenol-d6

Concen: 65.43 ng

RT: 7.08 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF079764.D

Acq: 6 Jun 2015 9:19

Instrument :

BNA_F

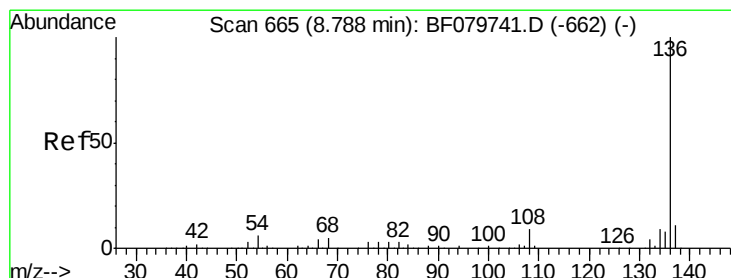
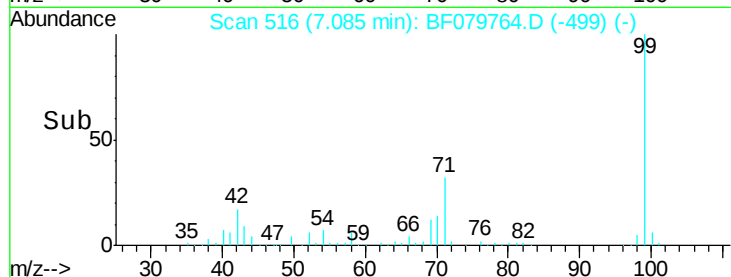
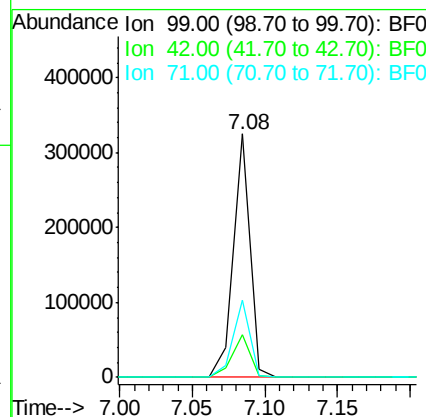
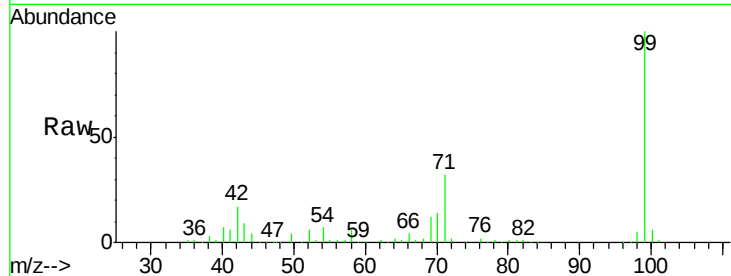
ClientSampleId :

SB-12S

Tot Ion:	99	Resp:	258885
Ion Ratio	Lower	Upper	
99	100		
42	17.4	18.0	27.0#
71	31.7	28.4	42.6

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#21

Naphthalene-d8

Concen: 20.00 ng

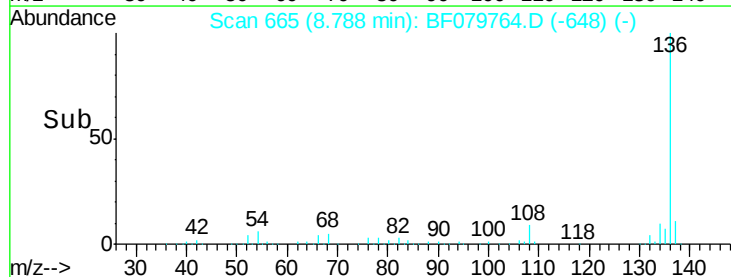
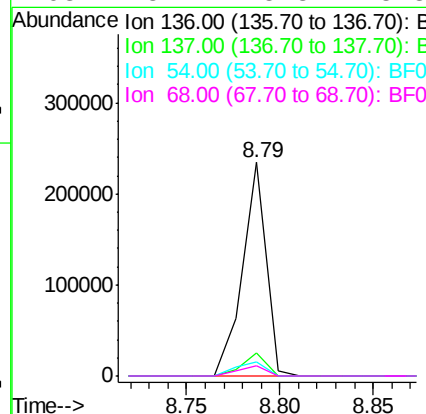
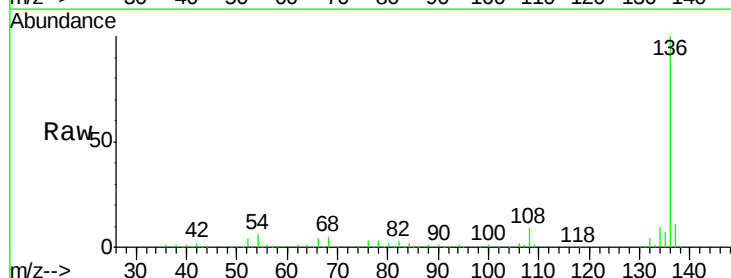
RT: 8.79 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF079764.D

Acq: 6 Jun 2015 9:19

Tgt Ion:	136	Resp:	208127
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	6.4	8.7	13.1#
68	5.1	5.8	8.8#





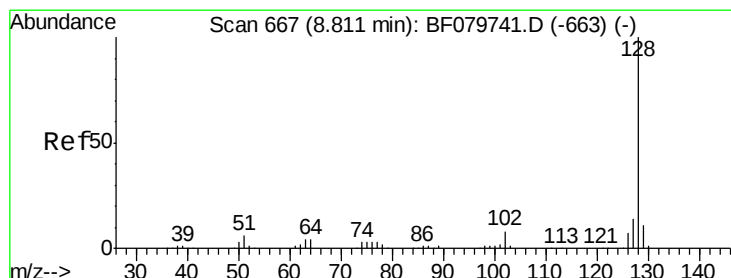
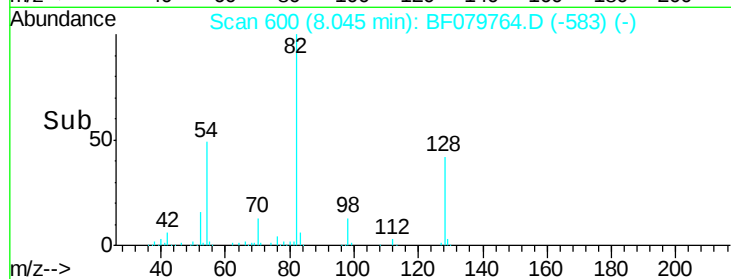
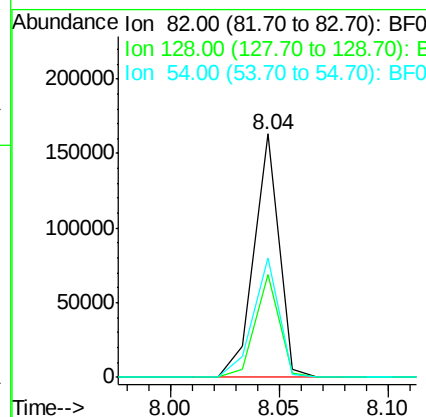
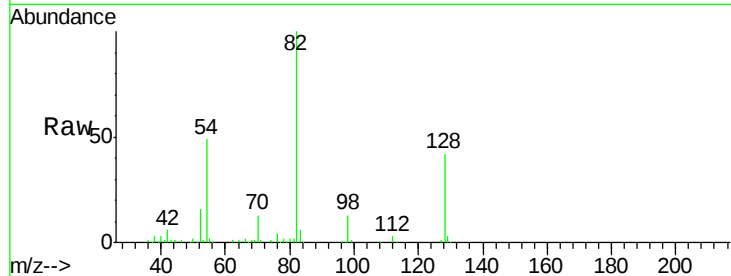
#23
Nitrobenzene-d5
Concen: 38.33 ng
RT: 8.04 min Scan# 600
Delta R.T. -0.00 min
Lab File: BF079764.D
Acq: 6 Jun 2015 9:19

Instrument :
BNA_F
ClientSampleId :
SB-12S

Tot Ion	Ratio	Resp	Lower	Upper
82	100	129939		
128	42.2		37.6	56.4
54	48.8		39.4	59.2

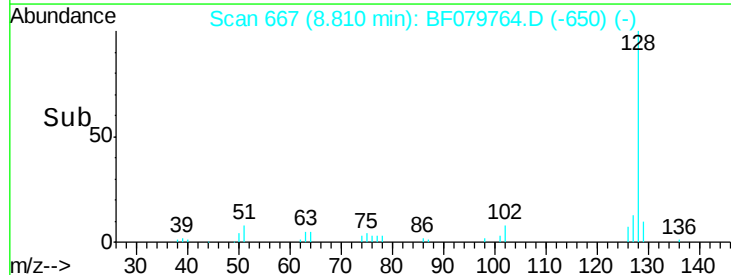
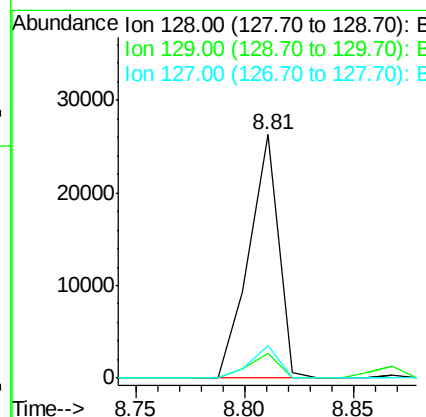
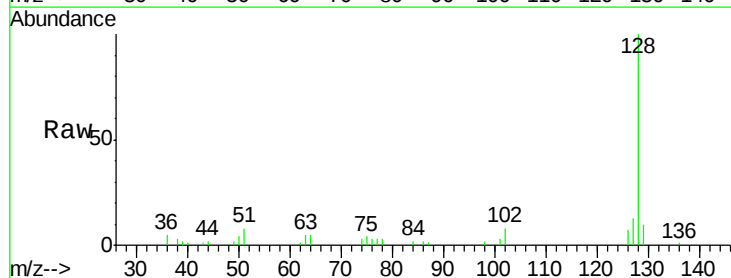
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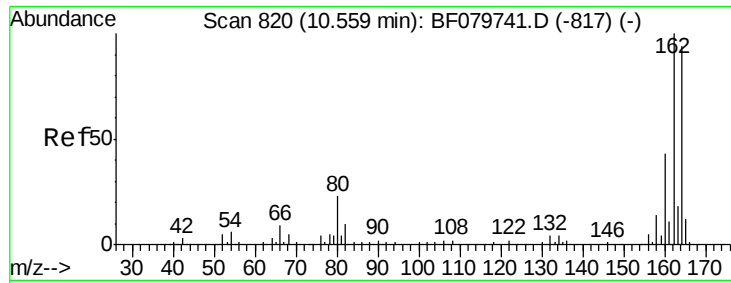
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#31
Naphthalene
Concen: 2.27 ng
RT: 8.81 min Scan# 667
Delta R.T. -0.00 min
Lab File: BF079764.D
Acq: 6 Jun 2015 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	24813		
129	10.0		9.4	14.2
127	13.1		10.7	16.1





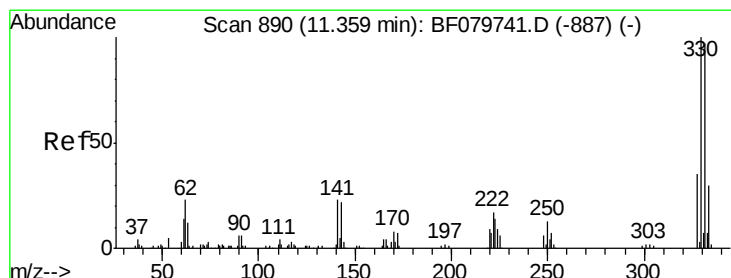
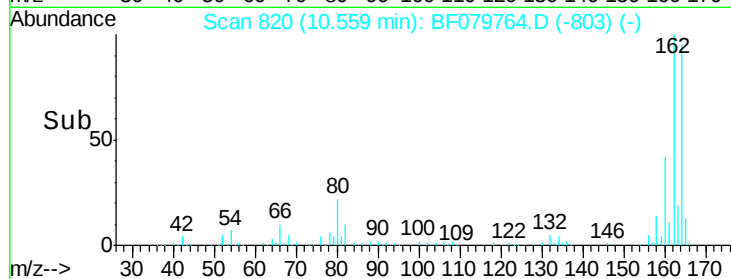
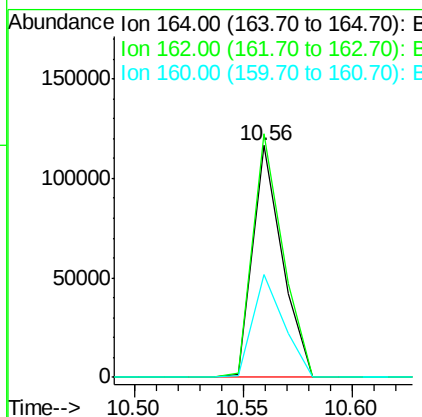
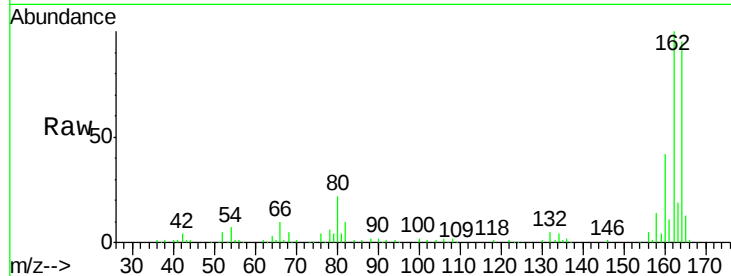
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.56 min Scan# 820
Delta R.T. -0.00 min
Lab File: BF079764.D
Acq: 6 Jun 2015 9:19

Instrument :
BNA_F
ClientSampleId :
SB-12S

Tot Ion	Ratio	Resp	Lower	Upper
164	100	109997		
162	105.2	82.6	123.8	
160	44.6	36.8	55.2	

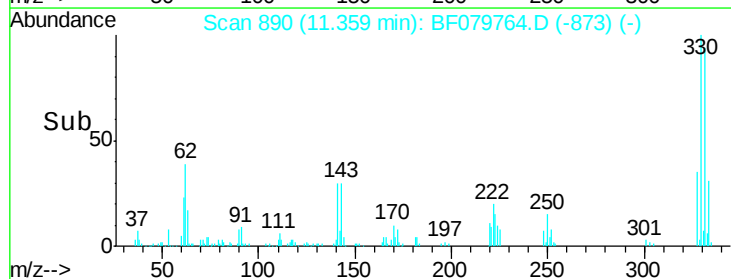
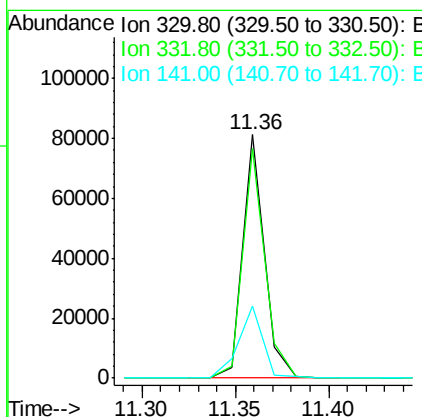
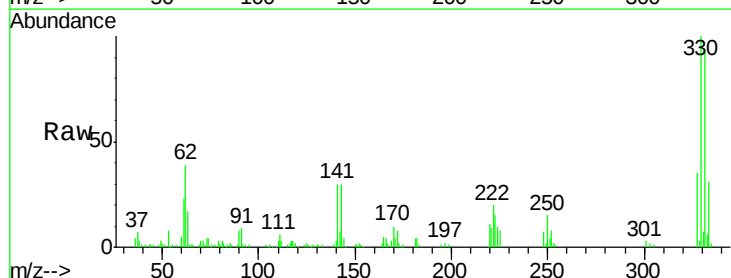
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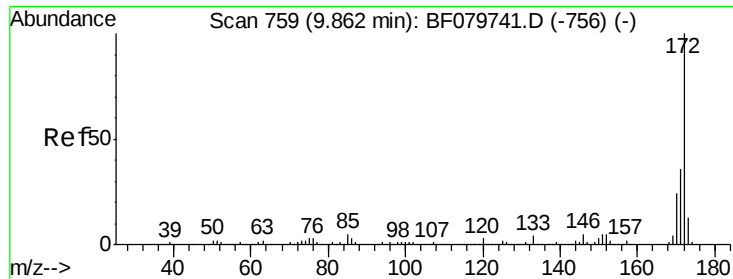
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#41
2,4,6-Tribromophenol
Concen: 62.51 ng
RT: 11.36 min Scan# 890
Delta R.T. -0.00 min
Lab File: BF079764.D
Acq: 6 Jun 2015 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	65768		
332	96.4	77.4	116.0	
141	33.4	30.2	45.2	





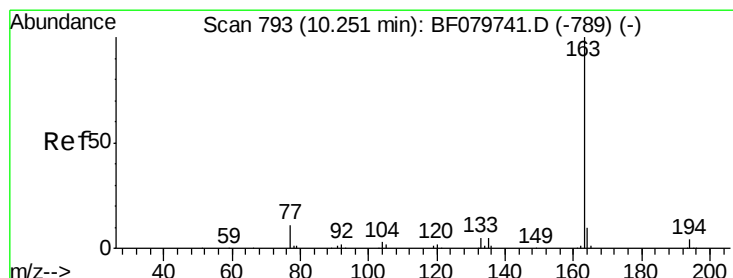
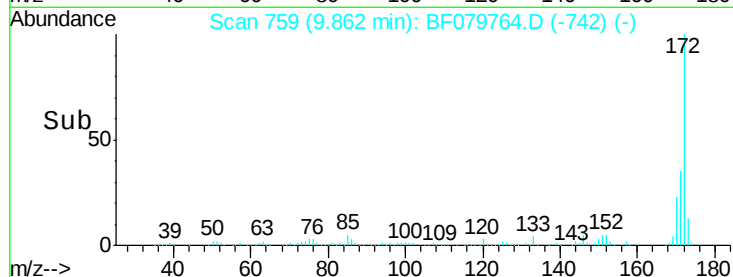
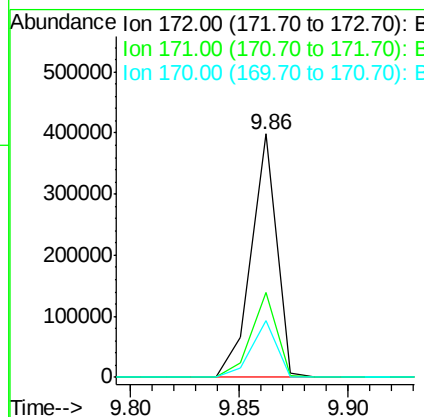
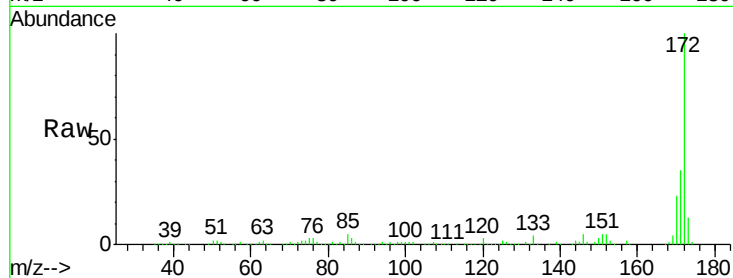
#44
2-Fluorobiphenyl
Concen: 39.88 ng
RT: 9.86 min Scan# 759
Delta R.T. -0.00 min
Lab File: BF079764.D
Acq: 6 Jun 2015 9:19

Instrument :
BNA_F
ClientSampled :
SB-12S

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.4	44.0
170	23.5	19.7	29.5

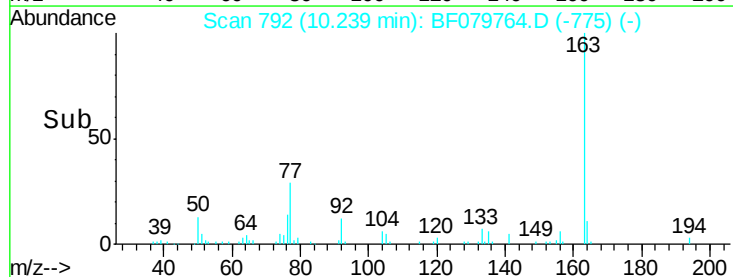
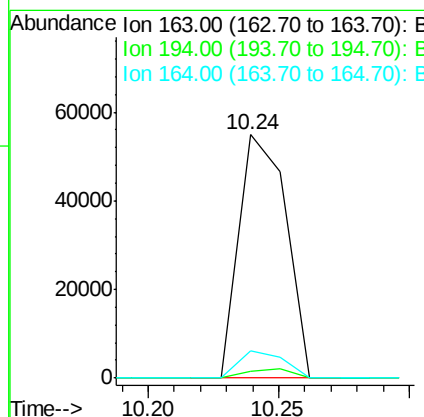
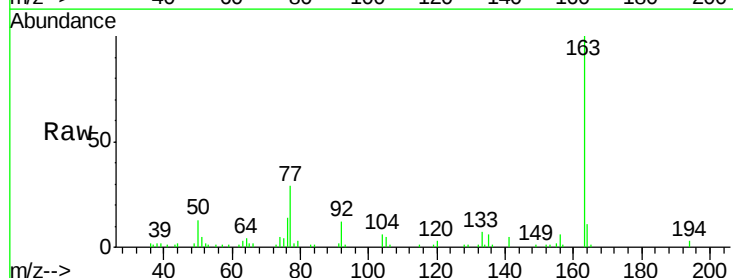
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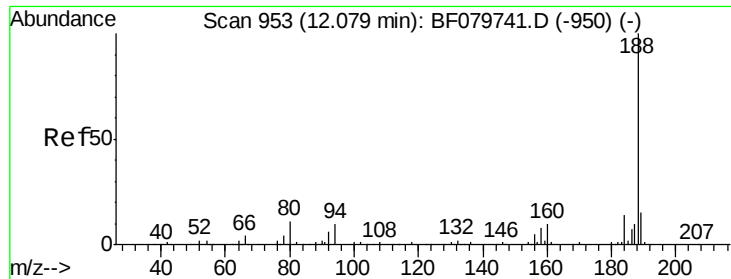
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#49
Dimethylphthalate
Concen: 8.23 ng
RT: 10.24 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF079764.D
Acq: 6 Jun 2015 9:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	3.8
164	11.4	8.5	12.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.09 min Scan# 954

Delta R.T. 0.02 min

Lab File: BF079764.D

Acq: 6 Jun 2015 9:19

Instrument :

BNA_F

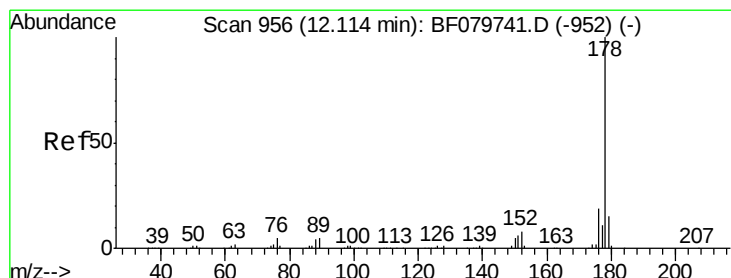
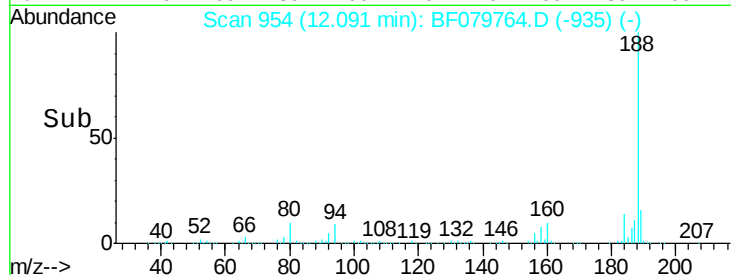
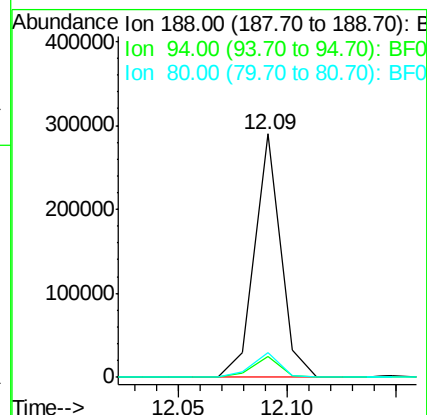
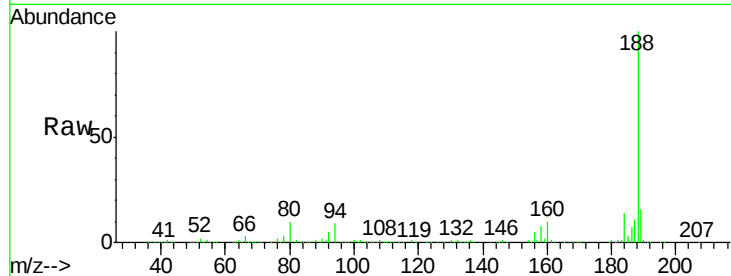
ClientSampleId :

SB-12S

Tot Ion	Ratio	Resp	Lower	Upper
188	100	241004		
94	8.7	5.0	7.4#	
80	9.9	5.3	7.9#	

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#70

Phenanthrene

Concen: 10.95 ng

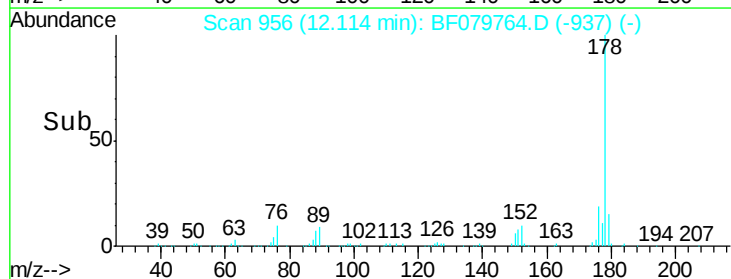
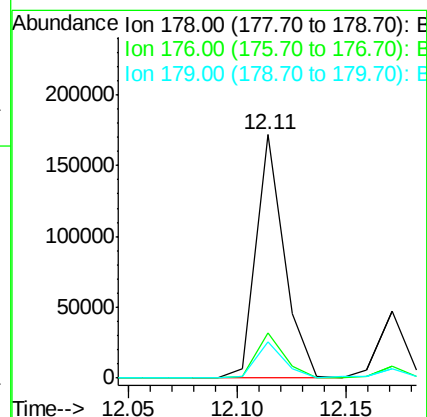
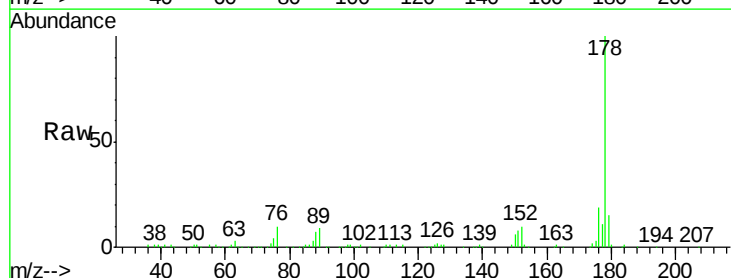
RT: 12.11 min Scan# 956

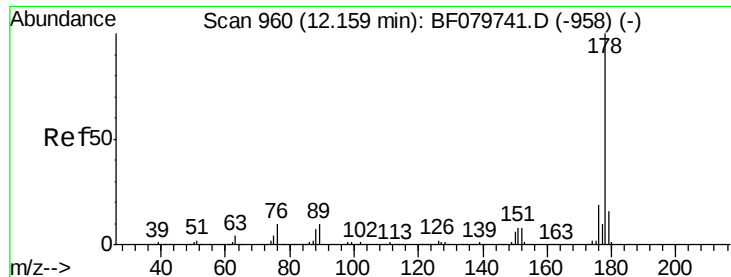
Delta R.T. 0.02 min

Lab File: BF079764.D

Acq: 6 Jun 2015 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	154460		
176	18.8	16.2	24.4	
179	14.7	12.6	19.0	





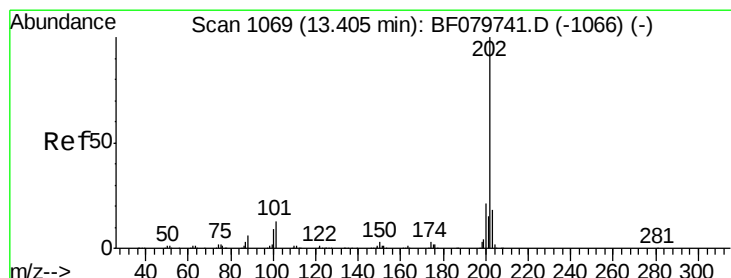
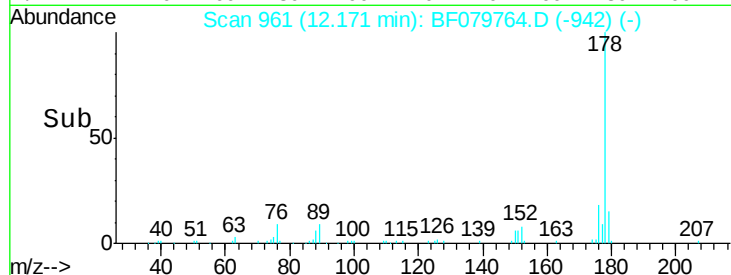
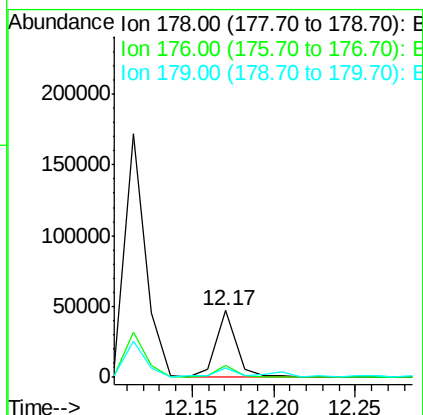
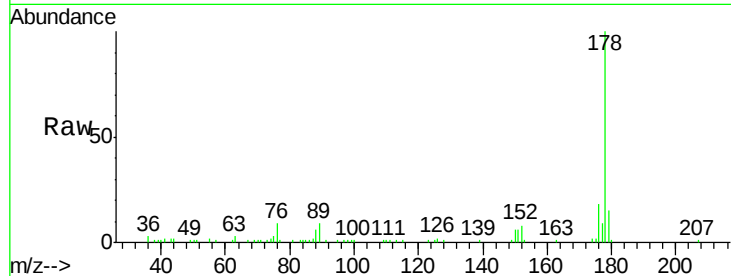
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 Anthracene
 Concen: 2.89 ng
 RT: 12.17 min Scan# 961
 Delta R.T. 0.02 min
 Lab File: BF079764.D
 Acq: 6 Jun 2015 9:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-12S

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	14.5	12.2	18.2

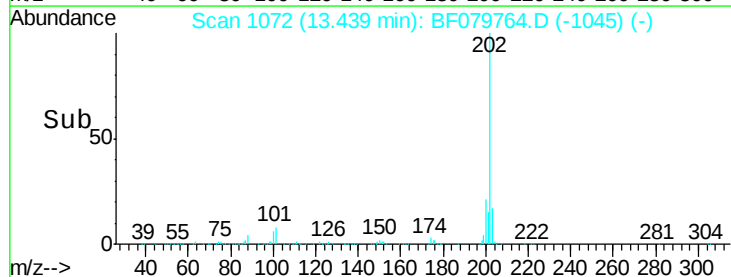
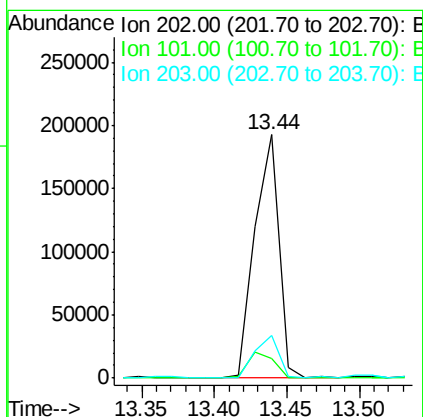
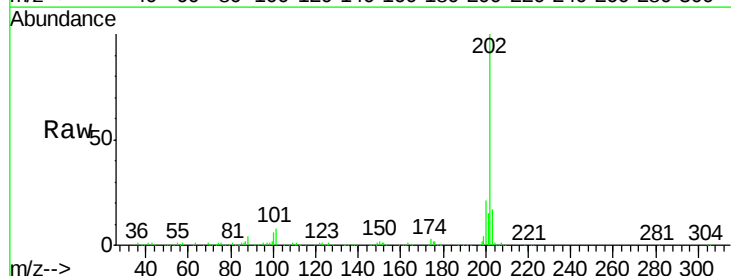
Manual Integrations
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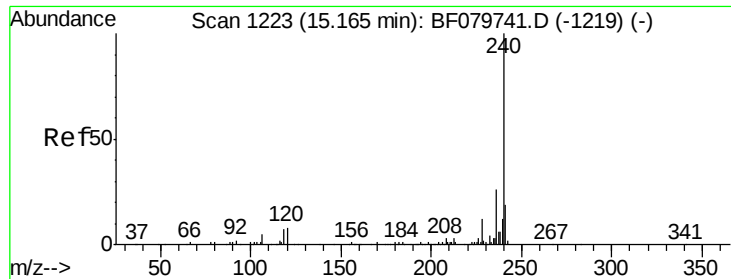
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#74
 Fluoranthene
 Concen: 14.36 ng
 RT: 13.44 min Scan# 1072
 Delta R.T. 0.11 min
 Lab File: BF079764.D
 Acq: 6 Jun 2015 9:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	31.3
203	17.3	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng/mL

RT: 15.21 min Scan# 1227

Delta R.T. 0.27 min

Lab File: BF079764.D

Acq: 6 Jun 2015 9:19

Instrument :

BNA_F

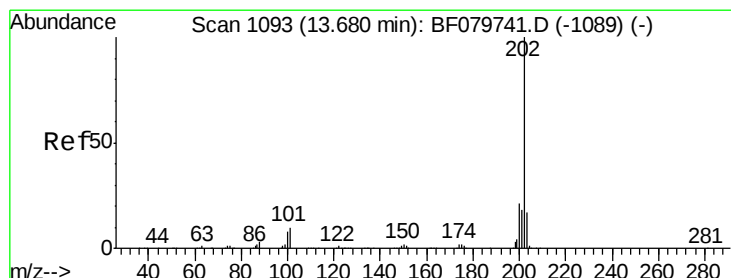
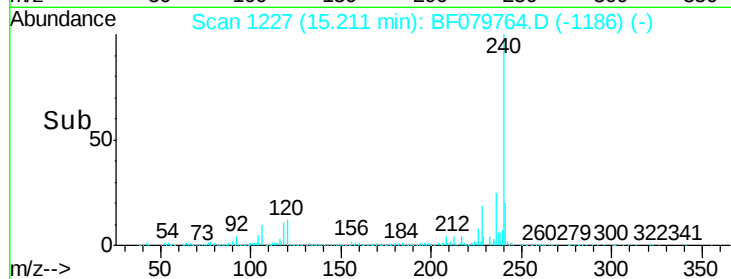
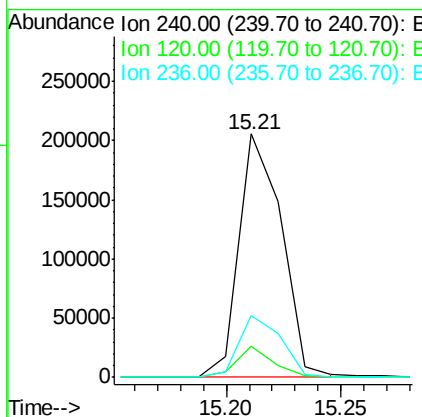
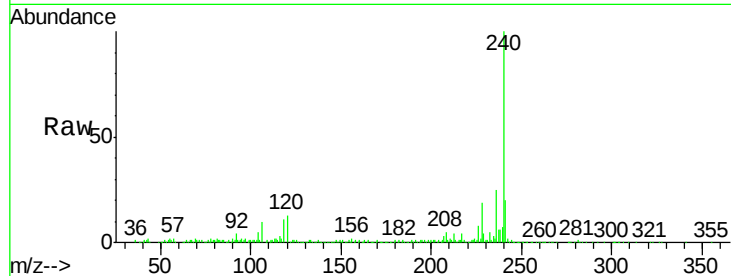
ClientSampled :

SB-12S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.7	6.2	9.2		
236	25.3	21.0	31.4		

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#77

Pyrene

Concen: 13.78 ng/mL

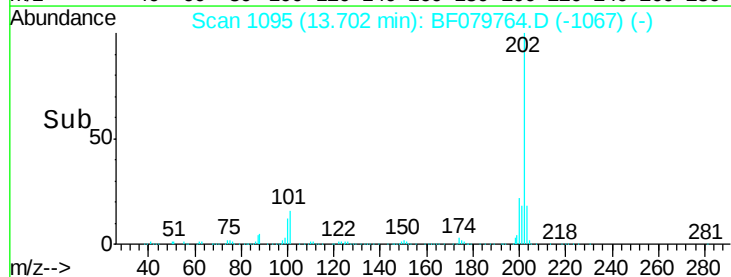
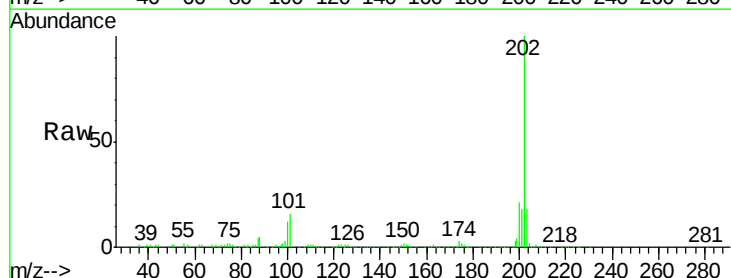
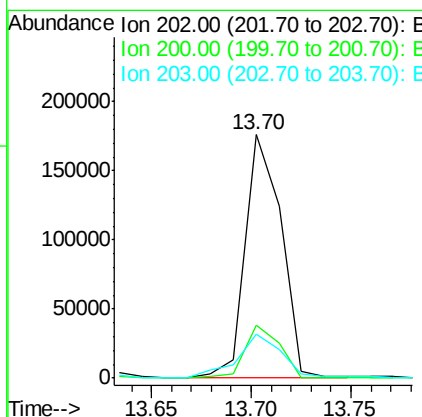
RT: 13.70 min Scan# 1095

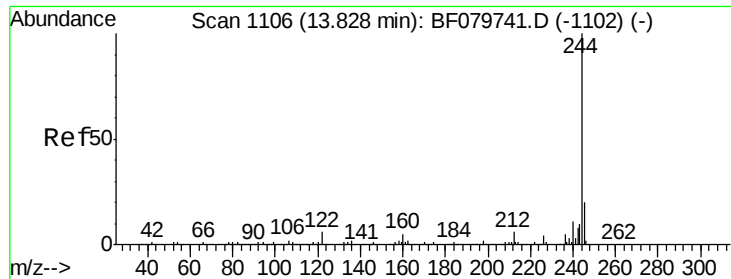
Delta R.T. 0.13 min

Lab File: BF079764.D

Acq: 6 Jun 2015 9:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.5	17.5	26.3		
203	17.8	14.8	22.2		





#78

Terphenyl-d14

Concen: 35.95 ng/mL

RT: 13.86 min Scan# 1109

Delta R.T. 0.15 min

Lab File: BF079764.D

Acq: 6 Jun 2015 9:19

Instrument :

BNA_F

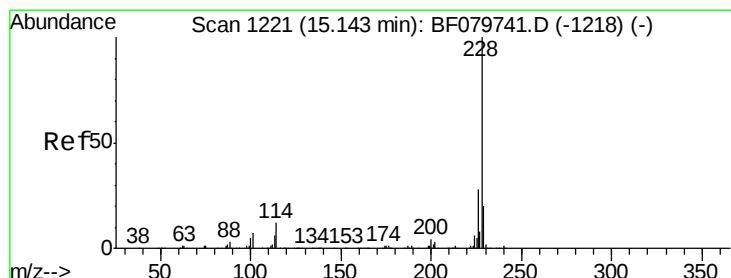
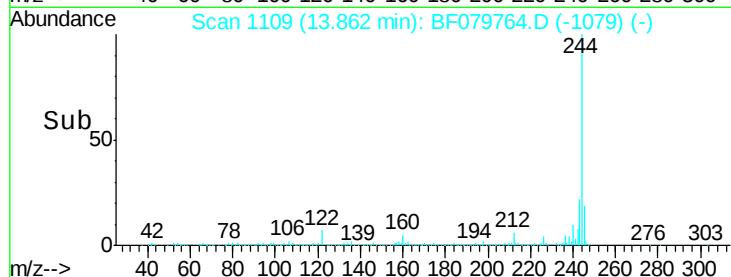
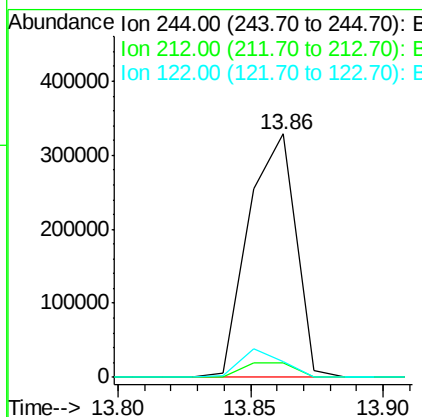
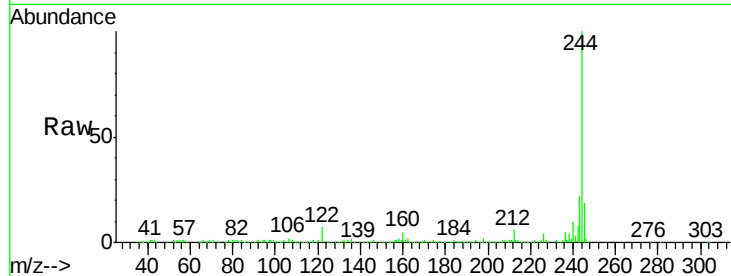
ClientSampleId :

SB-12S

Tot Ion:	244	Resp:	411817
Ion Ratio		Lower	Upper
244	100		
212	6.1	6.1	9.1
122	6.6	9.3	13.9#

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#80

Benzo(a)anthracene

Concen: 7.27 ng/mL

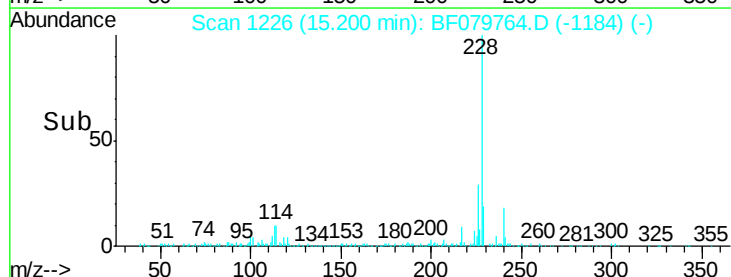
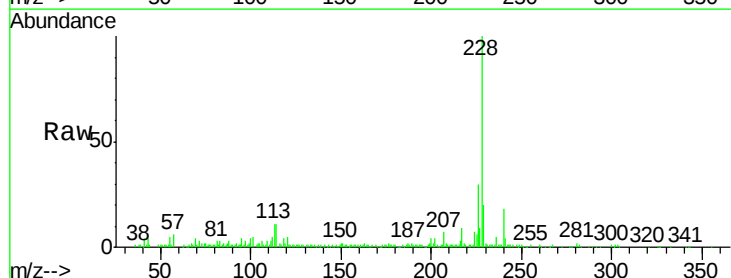
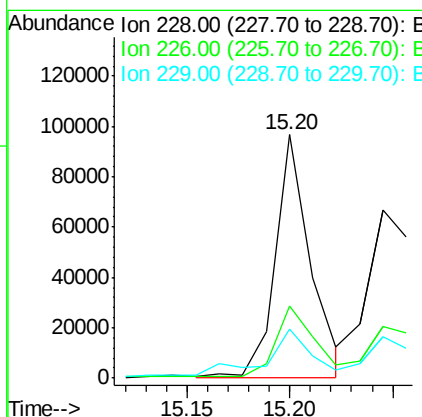
RT: 15.20 min Scan# 1226

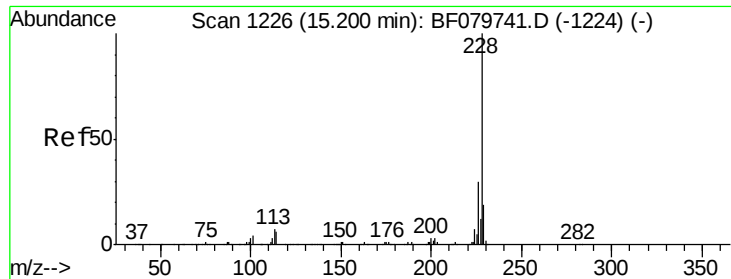
Delta R.T. 0.29 min

Lab File: BF079764.D

Acq: 6 Jun 2015 9:19

Tgt Ion:	228	Resp:	116746
Ion Ratio		Lower	Upper
228	100		
226	29.7	22.2	33.4
229	20.2	16.6	25.0





#82

Chrysene

Concen: 7.01 ng/mL

RT: 15.25 min Scan# 1230

Delta R.T. 0.29 min

Lab File: BF079764.D

Acq: 6 Jun 2015 9:19

Instrument :

BNA_F

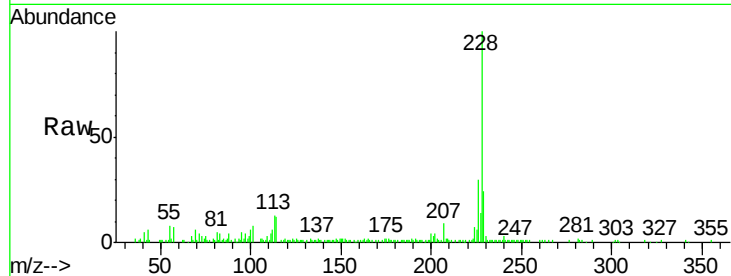
ClientSampleId :

SB-12S

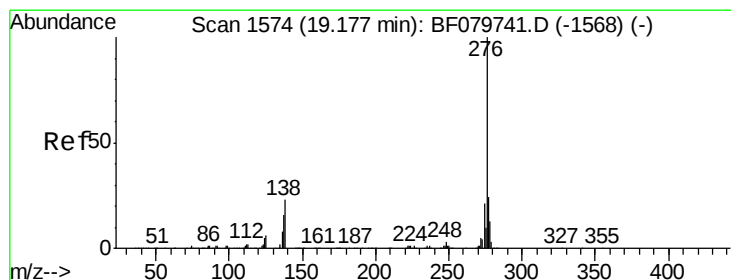
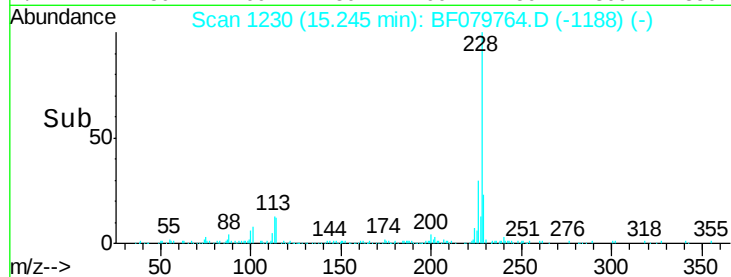
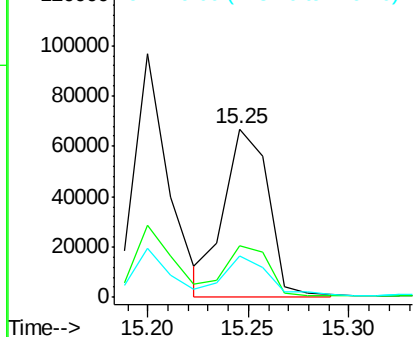
Tot Ion:	228	Resp:	104037
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.2	37.8
229	24.3	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.73 ng/mL

RT: 19.27 min Scan# 1582

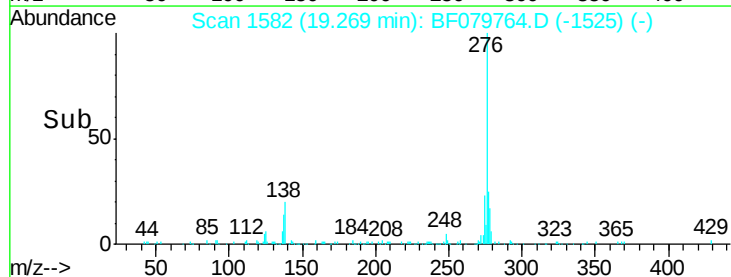
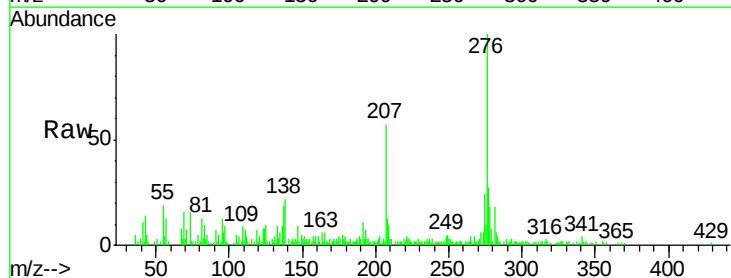
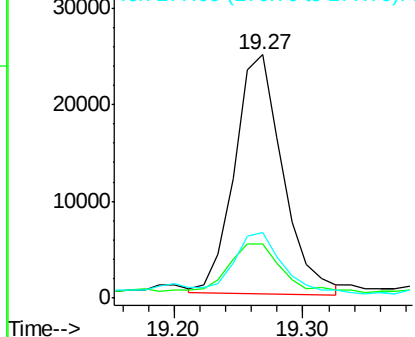
Delta R.T. 0.46 min

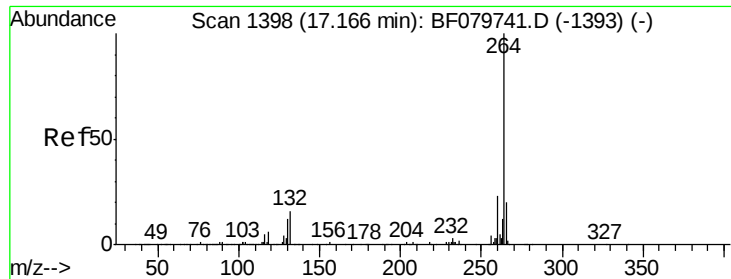
Lab File: BF079764.D

Acq: 6 Jun 2015 9:19

Tgt Ion:	276	Resp:	64050
Ion Ratio	Lower	Upper	
276	100		
138	0.0	20.8	31.2#
277	0.0	20.0	30.0#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng m

RT: 17.25 min Scan# 1405

Delta R.T. 0.42 min

Lab File: BF079764.D

Acq: 6 Jun 2015 9:19

Instrument :

BNA_F

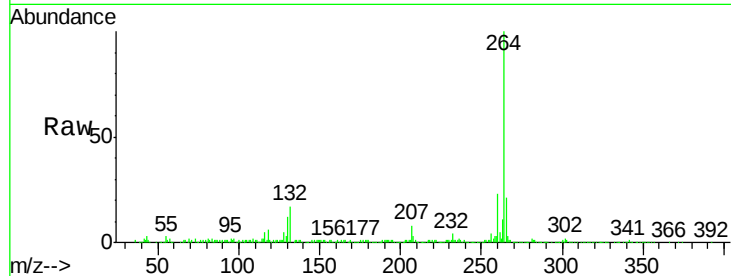
ClientSampleId :

SB-12S

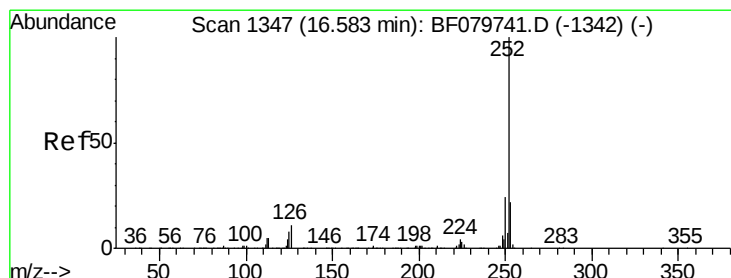
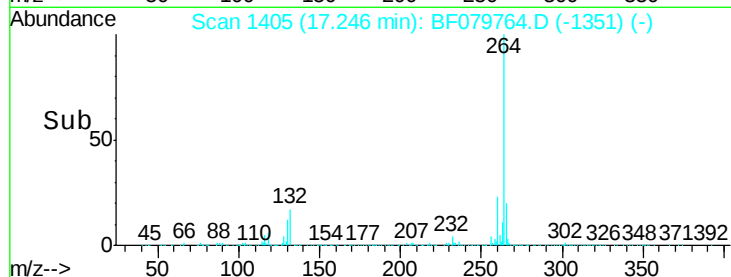
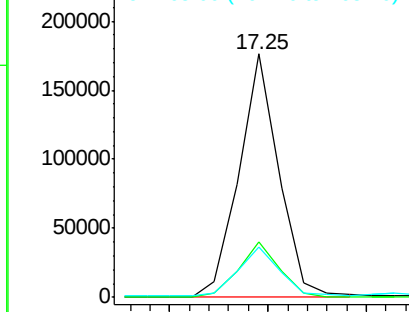
Tot Ion:	264	Resp:	249117
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.6	27.8
265	20.8	18.2	27.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 9.80 ng m

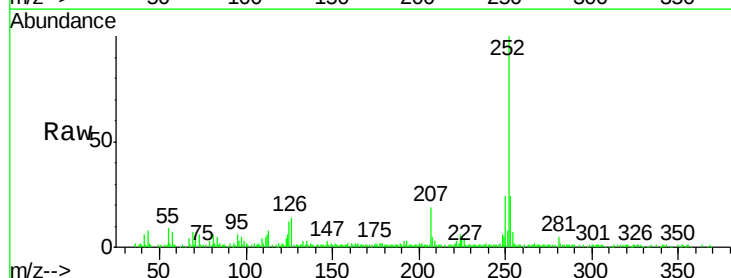
RT: 16.65 min Scan# 1353

Delta R.T. 0.39 min

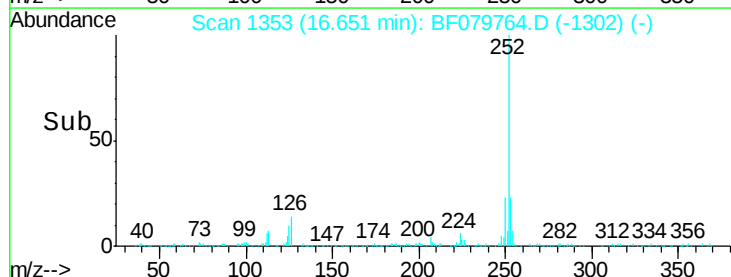
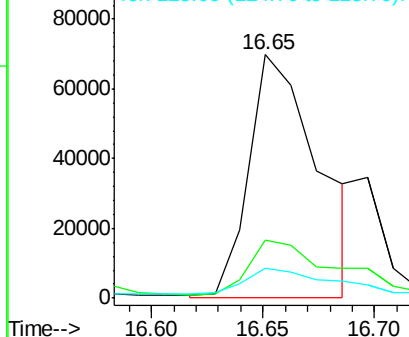
Lab File: BF079764.D

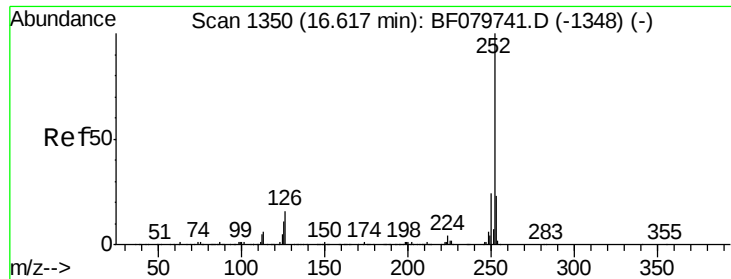
Acq: 6 Jun 2015 9:19

Tgt Ion:	252	Resp:	151643
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.4	26.2
125	12.4	6.5	9.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





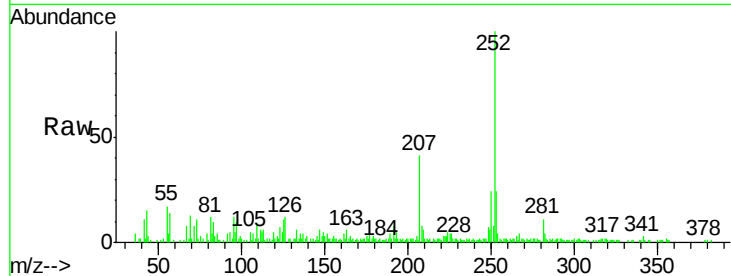
#88
Benzo(k)fluoranthene
Concen: 2.18 ng m
RT: 16.70 min Scan# 1357
Delta R.T. 0.40 min
Lab File: BF079764.D
Acq: 6 Jun 2015 9:19

Instrument :
BNA_F
ClientSampleId :
SB-12S

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	11.3	8.4	12.6

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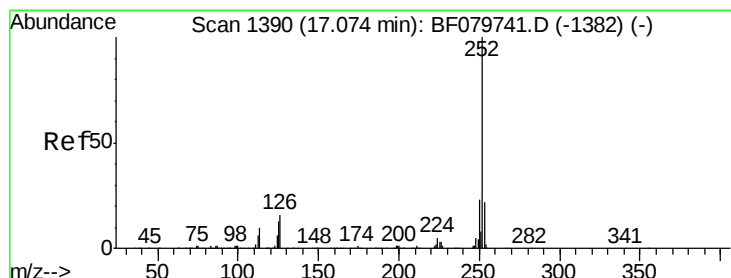
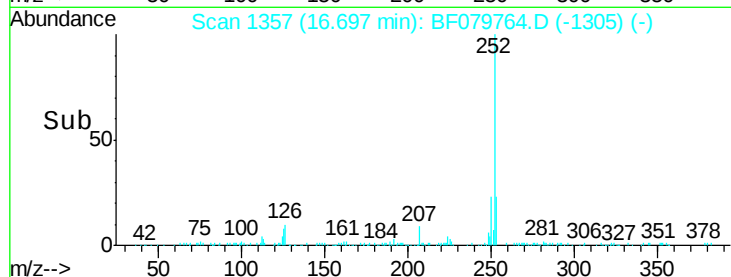
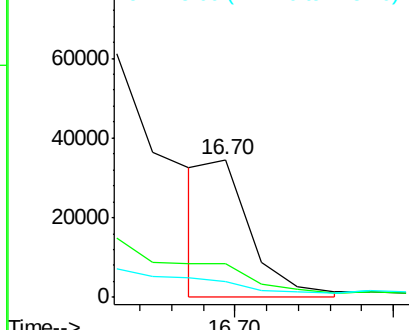


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 7.34 ng m
RT: 17.15 min Scan# 1397
Delta R.T. 0.41 min
Lab File: BF079764.D
Acq: 6 Jun 2015 9:19

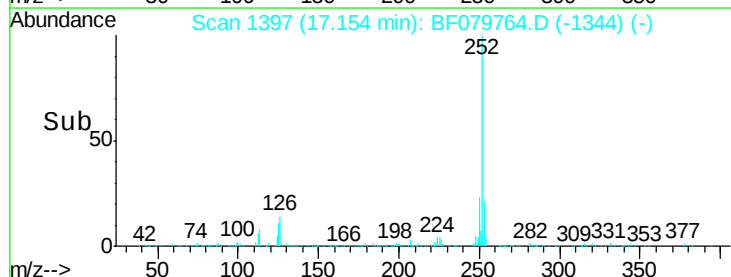
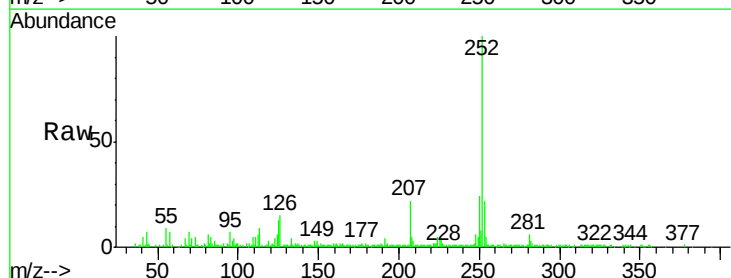
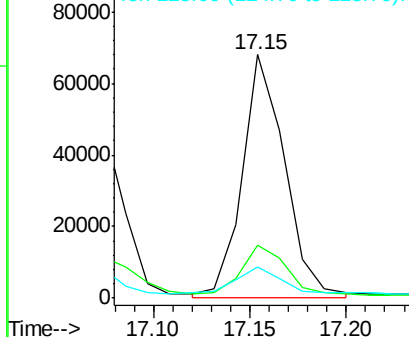
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	12.8	7.4	11.0

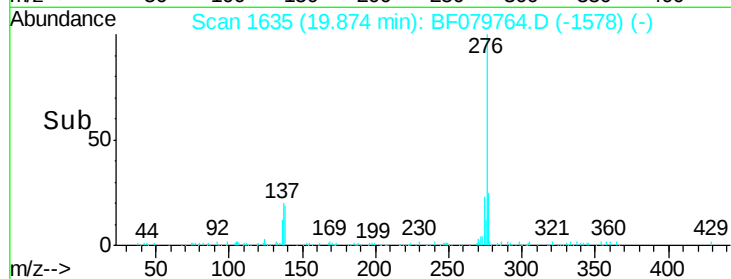
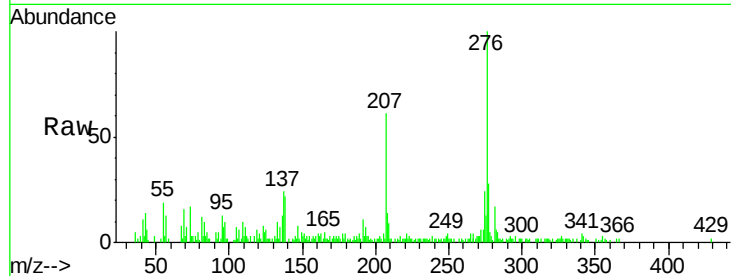
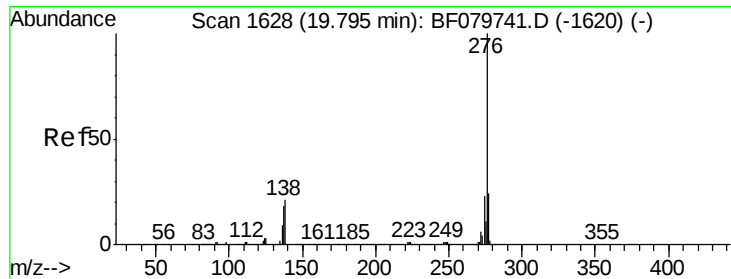
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
Benzo(a,h,i)perylene
Concen: 4.41 ng m
RT: 19.87 min Scan# 1635
Delta R.T. 0.46 min
Lab File: BF079764.D
Acq: 6 Jun 2015 9:19

Instrument :
BNA_F
ClientSampleId :
SB-12S

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.8	28.2
138	22.4	18.2	27.2

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