

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
 Data File : BF079398.D
 Acq On : 21 May 2015 00:45
 Operator : TP/IZ
 Sample : G2303-05 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10DEPTH

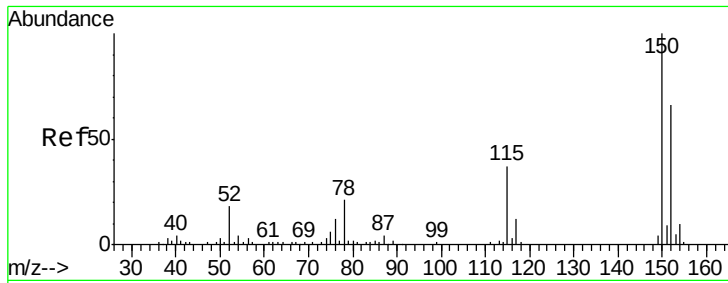
Manual Integrations
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Quant Time: May 21 06:00:03 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 05:08:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.10	152	58899m	20.00	ng	-0.03
21) Naphthalene-d8	8.67	136	239127	20.00	ng	-0.03
38) Acenaphthene-d10	10.85	164	120856	20.00	ng	-0.03
63) Phenanthrene-d10	12.69	188	224100	20.00	ng	-0.03
75) Chrysene-d12	15.97	240	235362	20.00	ng	-0.06
86) Perylene-d12	17.73	264	237549	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	66776m	19.52	ng	-0.05
7) Phenol-d6	6.67	99	86722m	19.17	ng	-0.03
23) Nitrobenzene-d5	7.78	82	48402	11.63	ng	-0.05
41) 2,4,6-Tribromophenol	11.83	330	22956	17.56	ng	-0.03
44) 2-Fluorobiphenyl	10.02	172	95042	10.96	ng	-0.03
78) Terphenyl-d14	14.67	244	114159	11.61	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.70	128	210042	18.43	ng	# 91
37) 2-Methylnaphthalene	9.55	142	421511	53.38	ng	97
45) 1,1'-Biphenyl	10.14	154	76050	7.92	ng	97
51) Acenaphthene	10.88	154	56354	7.68	ng	94
57) Fluorene	11.52	166	96944m	11.14	ng	
70) Phenanthrene	12.71	178	428781	34.20	ng	97
71) Anthracene	12.78	178	54840m	4.46	ng	
74) Fluoranthene	14.19	202	52180	3.99	ng	78
77) Pyrene	14.47	202	238598	17.59	ng	# 95
80) Benzo(a)anthracene	15.95	228	128704m	9.99	ng	
82) Chrysene	16.00	228	185257m	14.94	ng	
83) Bis(2-ethylhexyl)phthalate	16.02	149	31040	3.46	ng	# 89
89) Benzo(a)pyrene	17.66	252	52412	4.38	ng	# 50
91) Benzo(a,h,i)perylene	19.49	276	32295m	2.53	ng	

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



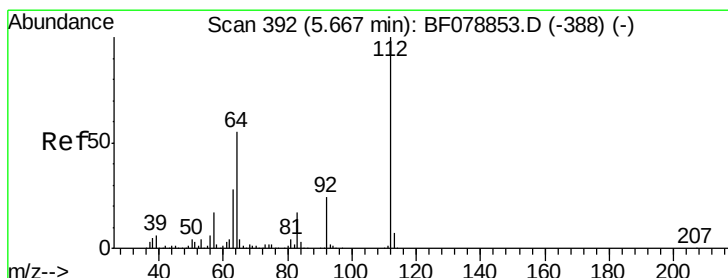
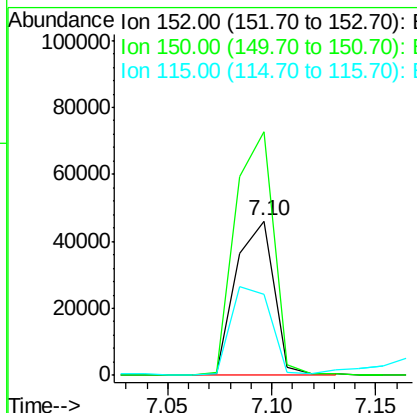
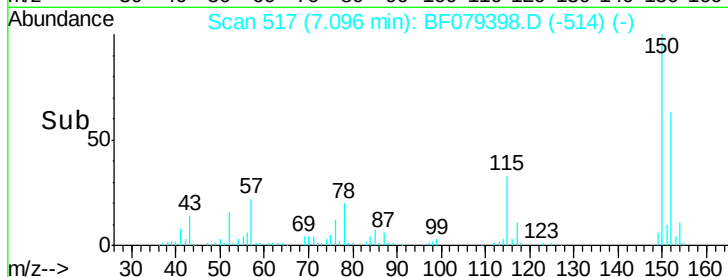
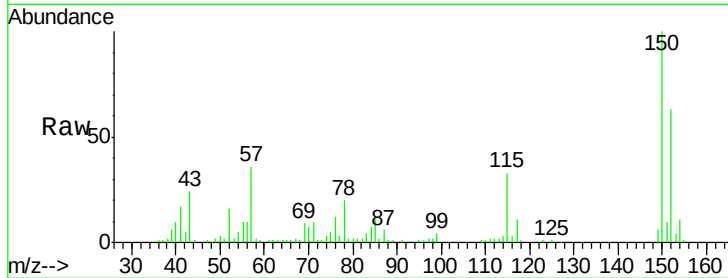
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 7.10 min Scan# 517
 Delta R.T. -0.03 min
 Lab File: BF079398.D
 Acq: 21 May 2015 00:45

Instrument :
 BNA_F
 ClientSampleId :
 10DEPTH

Tot Ion:	152	Resp:	58899
Ion Ratio	Lower	Upper	
152	100		
150	158.1	123.8	185.8
115	52.9	49.4	74.0

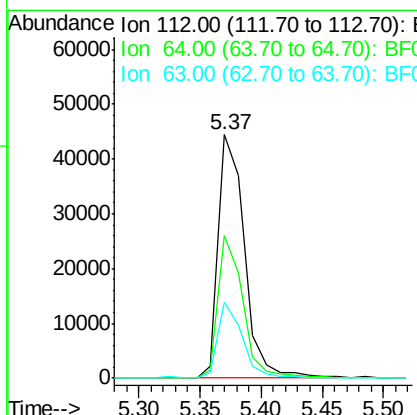
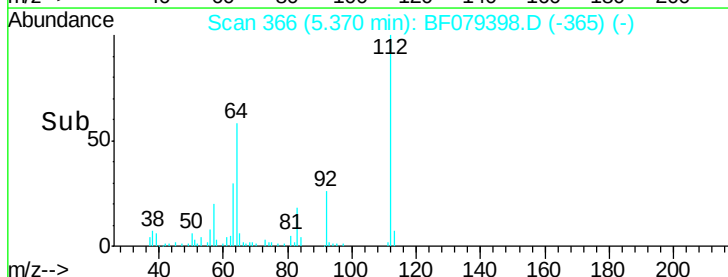
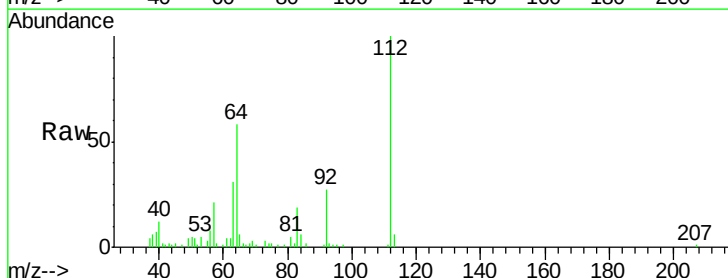
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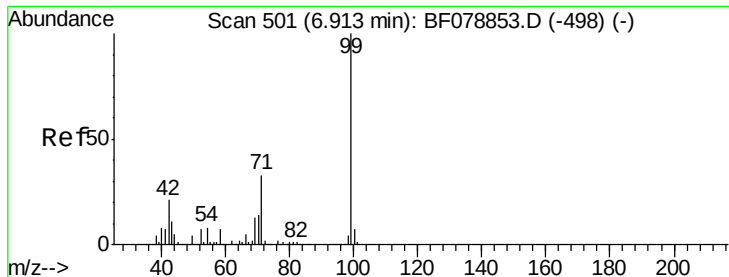
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#5
 2-Fluorophenol
 Concen: 19.52 ng m
 RT: 5.37 min Scan# 366
 Delta R.T. -0.05 min
 Lab File: BF079398.D
 Acq: 21 May 2015 00:45

Tgt Ion:	112	Resp:	66776
Ion Ratio	Lower	Upper	
112	100		
64	58.4	44.2	66.2
63	31.0	22.7	34.1





#7

Phenol-d6

Concen: 19.17 ng/mL

RT: 6.67 min Scan# 480

Delta R.T. -0.03 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Instrument :

BNA_F

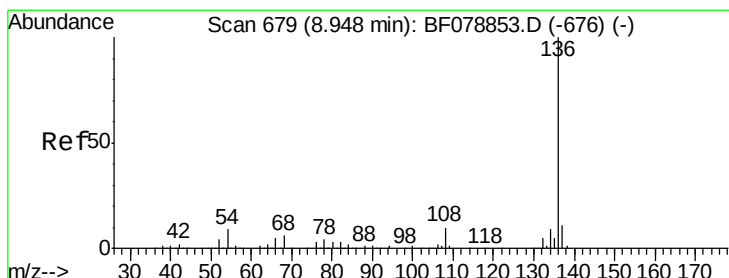
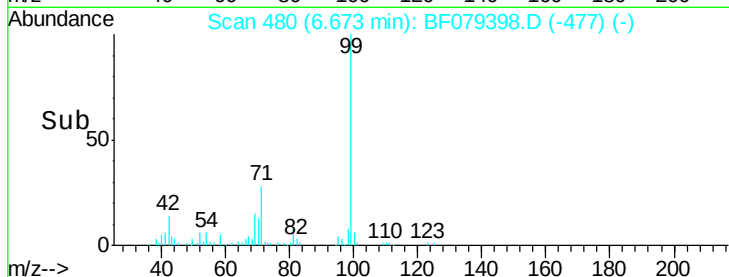
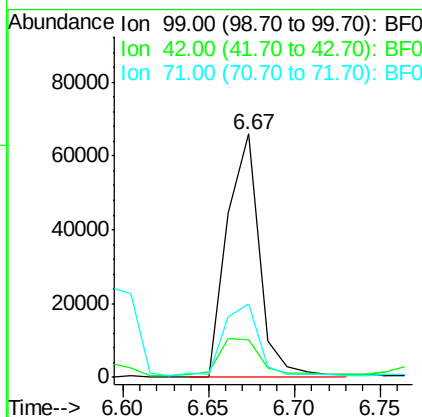
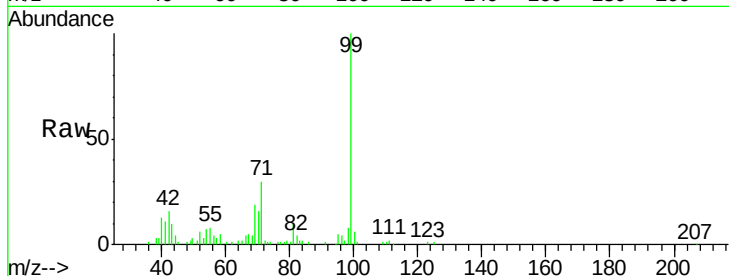
ClientSampleId :

10DEPTH

Tot Ion:	99	Resp:	86722
Ion Ratio	Lower	Upper	
99	100		
42	15.5	17.1	25.7#
71	30.0	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

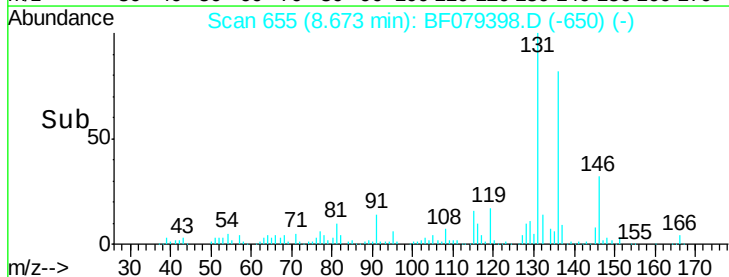
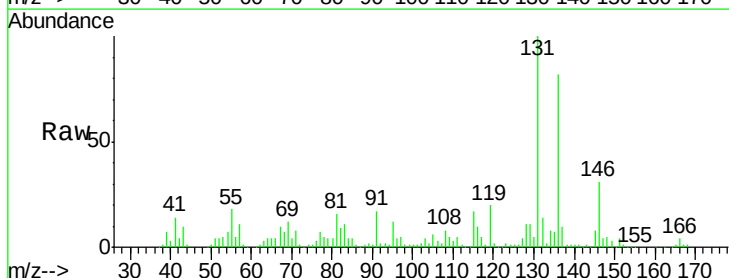
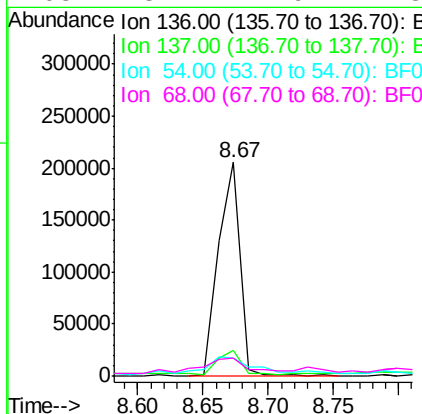
RT: 8.67 min Scan# 655

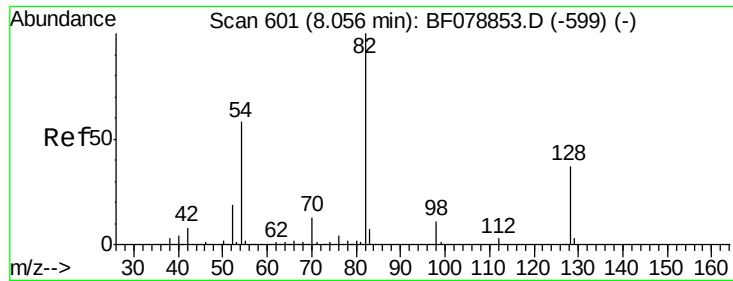
Delta R.T. -0.03 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Tgt Ion:	136	Resp:	239127
Ion Ratio	Lower	Upper	
136	100		
137	11.8	8.8	13.2
54	8.2	6.9	10.3
68	8.1	4.9	7.3#





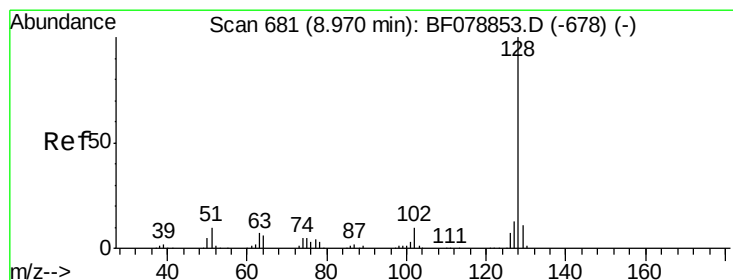
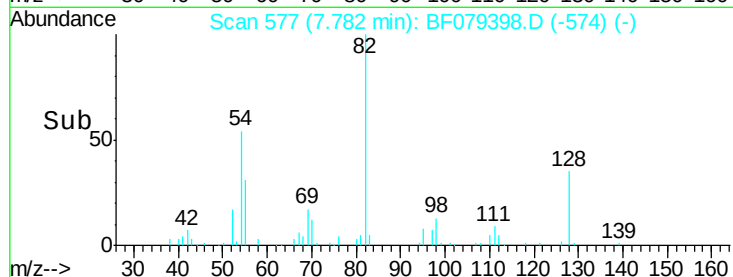
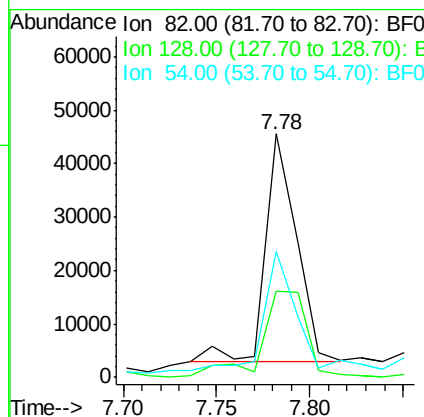
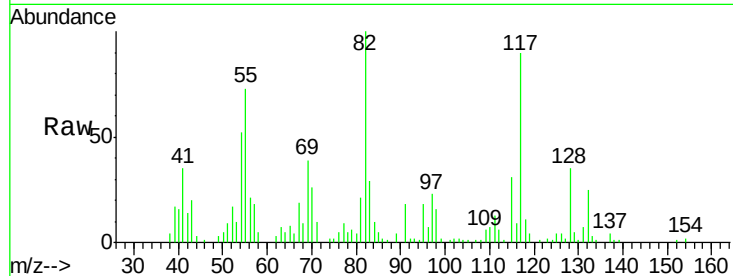
#23
Nitrobenzene-d5
Concen: 11.63 ng
RT: 7.78 min Scan# 577
Delta R.T. -0.05 min
Lab File: BF079398.D
Acq: 21 May 2015 00:45

Instrument :
BNA_F
ClientSampleId :
10DEPTH

Tot Ion:	82	Resp:	48402
Ion Ratio	Lower	Upper	
82	100		
128	35.3	29.7	44.5
54	51.7	46.2	69.4

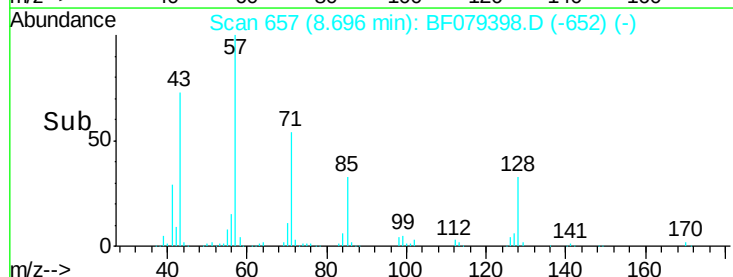
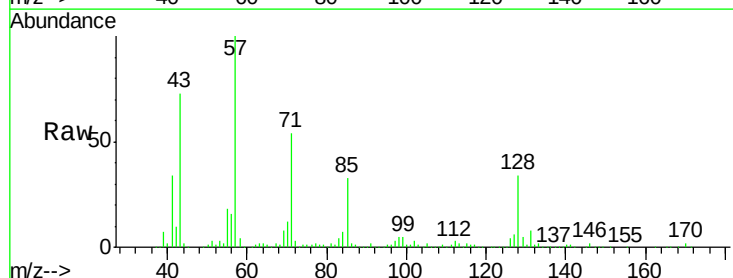
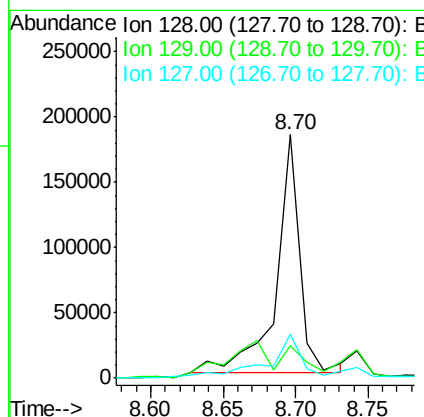
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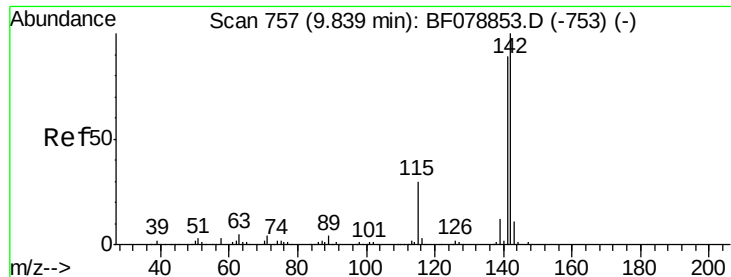
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#31
Naphthalene
Concen: 18.43 ng
RT: 8.70 min Scan# 657
Delta R.T. -0.03 min
Lab File: BF079398.D
Acq: 21 May 2015 00:45

Tgt Ion:	128	Resp:	210042
Ion Ratio	Lower	Upper	
128	100		
129	13.2	9.2	13.8
127	18.1	10.3	15.5#





#37

2-Methylnaphthalene

Concen: 53.38 ng

RT: 9.55 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Instrument :

BNA_F

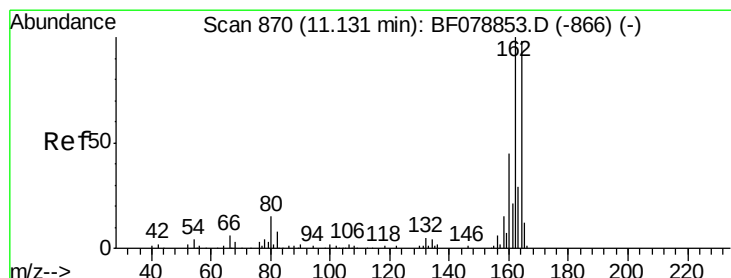
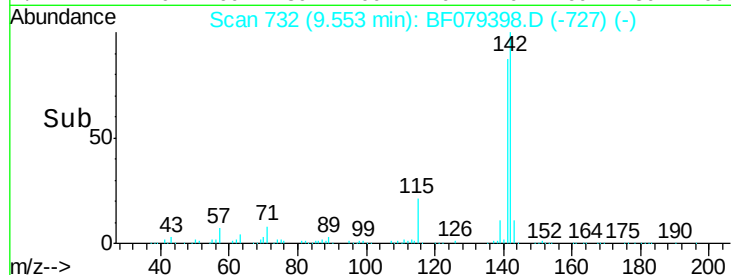
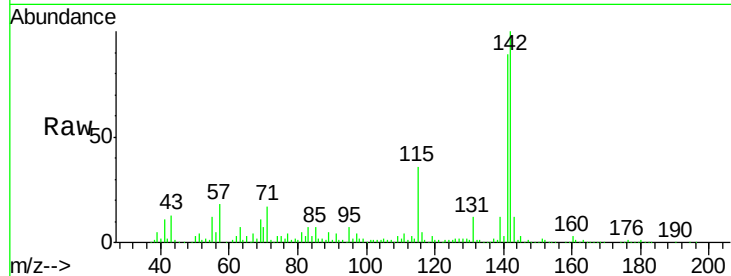
ClientSampled :

10DEPTH

Tot Ion:	142	Resp:	421511
Ion Ratio	Lower	Upper	
142	100		
141	88.8	71.6	107.4
115	35.9	24.2	36.4

Manual Integrations
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#38

Acenaphthene-d10

Concen: 20.00 ng

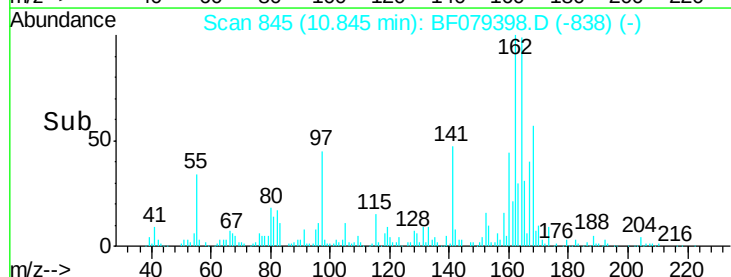
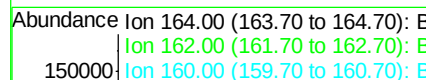
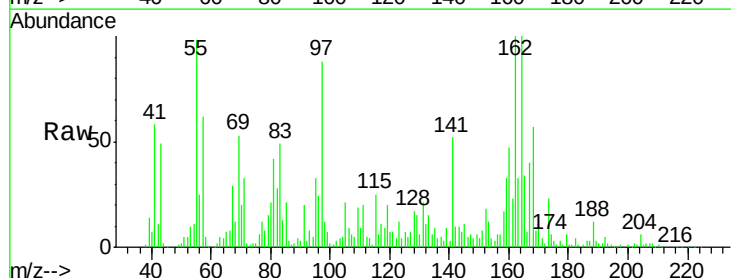
RT: 10.85 min Scan# 845

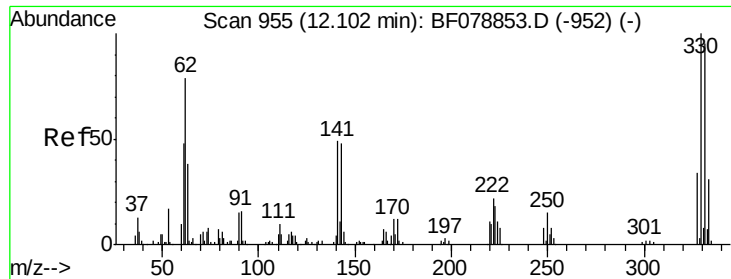
Delta R.T. -0.03 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Tgt Ion:	164	Resp:	120856
Ion Ratio	Lower	Upper	
164	100		
162	99.7	81.4	122.0
160	47.1	36.6	54.8





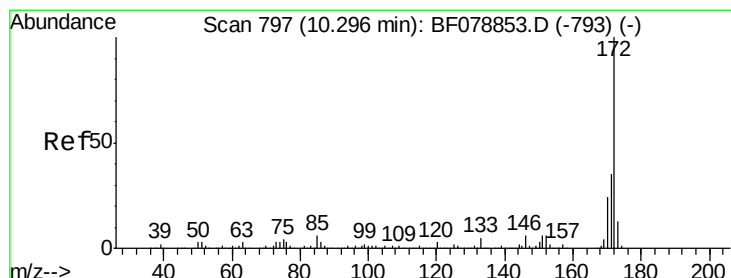
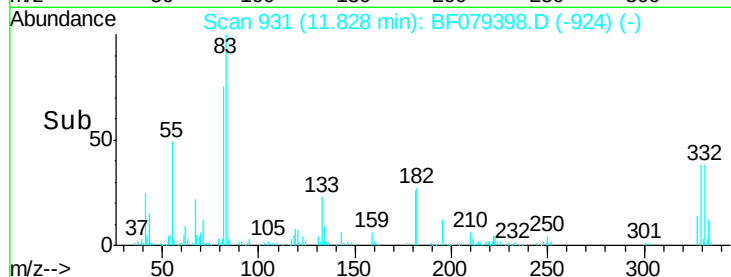
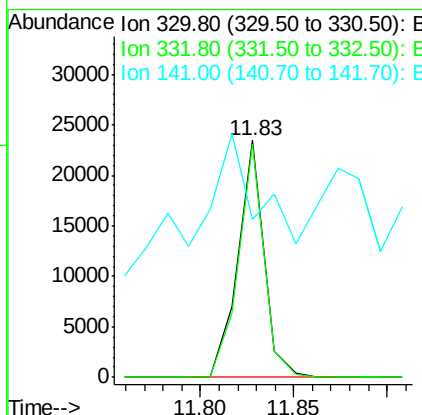
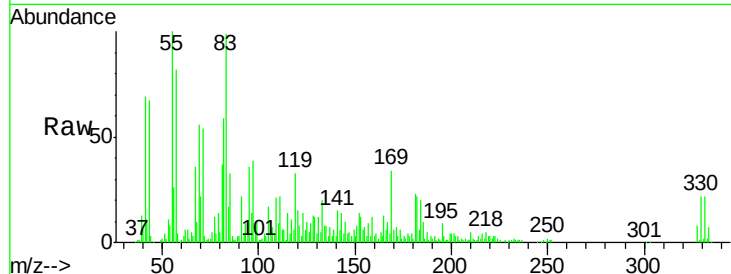
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 2,4,6-Tribromophenol
 Concen: 17.56 ng
 RT: 11.83 min Scan# 931
 Delta R.T. -0.03 min
 Lab File: BF079398.D
 Acq: 21 May 2015 00:45

Instrument :
 BNA_F
 ClientSampleId :
 10DEPTH

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	83.4	27.8	41.8

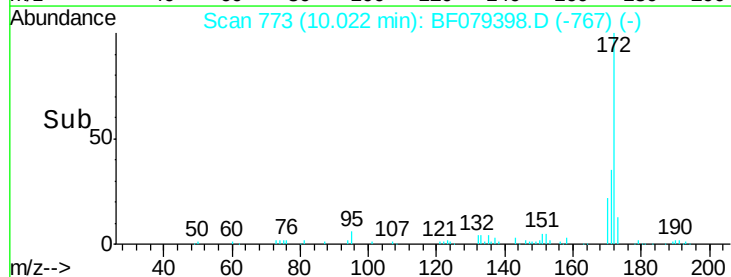
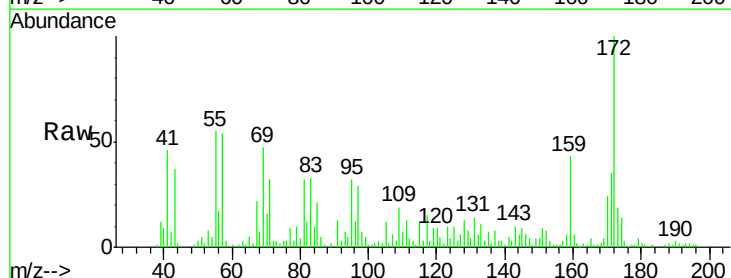
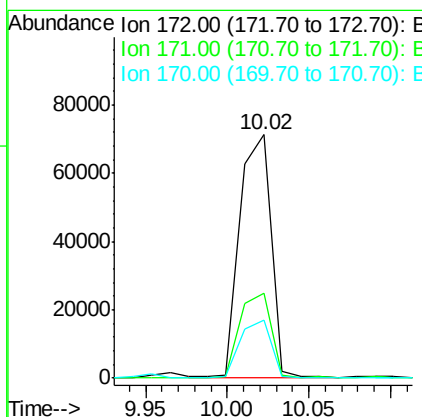
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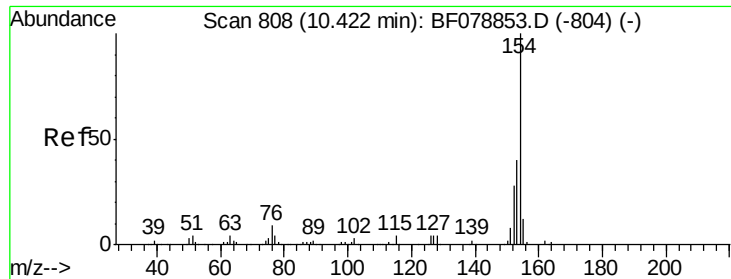
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#44
 2-Fluorobiphenyl
 Concen: 10.96 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.03 min
 Lab File: BF079398.D
 Acq: 21 May 2015 00:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.3	42.5
170	23.8	19.4	29.2





#45

1,1'-Biphenyl

Concen: 7.92 ng

RT: 10.14 min Scan# 783

Delta R.T. -0.03 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Instrument :

BNA_F

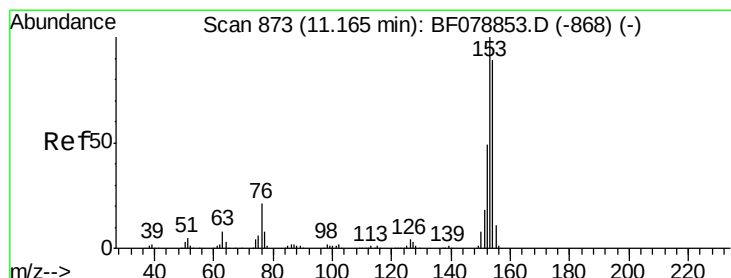
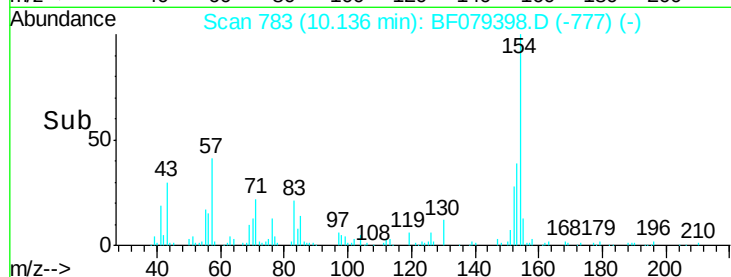
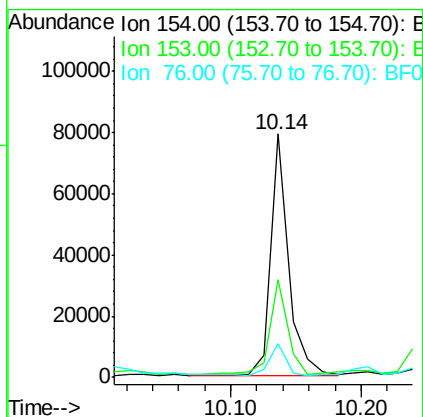
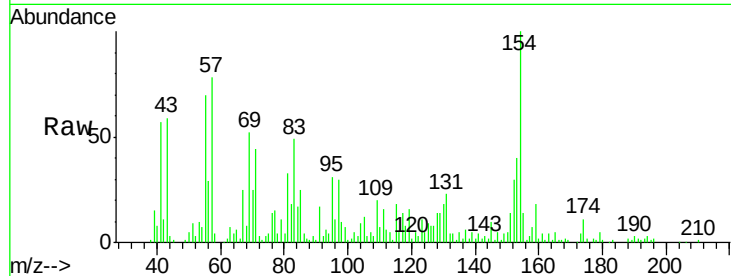
ClientSampled :

10DEPTH

Tot Ion:	154	Resp:	76050
Ion Ratio	Lower	Upper	
154	100		
153	40.1	19.7	59.7
76	13.6	0.0	29.1

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#51

Acenaphthene

Concen: 7.68 ng

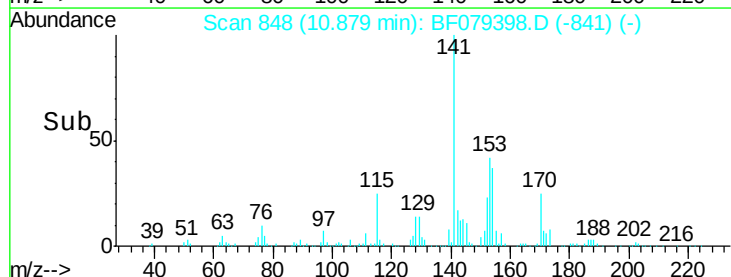
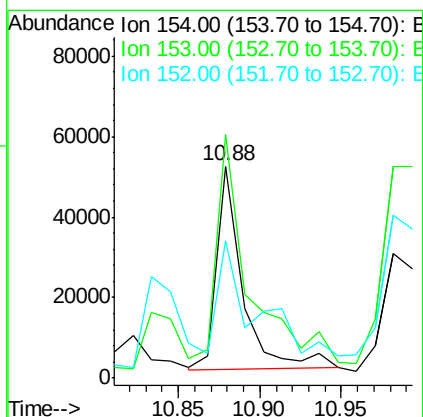
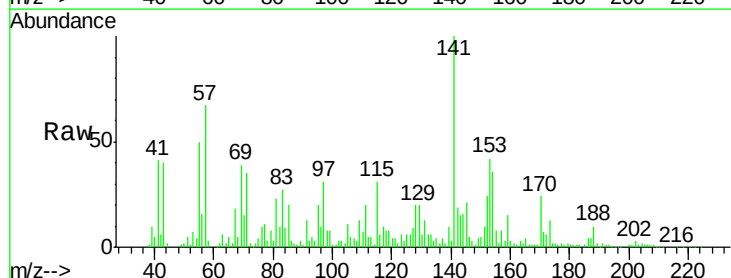
RT: 10.88 min Scan# 848

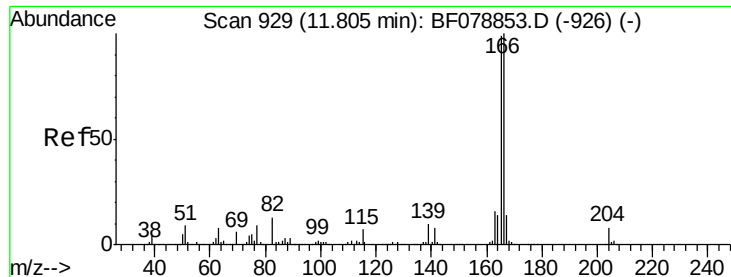
Delta R.T. -0.03 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Tgt Ion:	154	Resp:	56354
Ion Ratio	Lower	Upper	
154	100		
153	114.9	90.2	135.2
152	64.8	43.8	65.8





#57

Fluorene

Concen: 11.14 ng/mL

RT: 11.52 min Scan# 904

Delta R.T. -0.03 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Instrument :

BNA_F

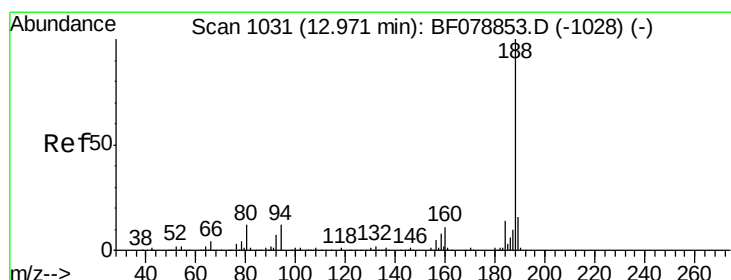
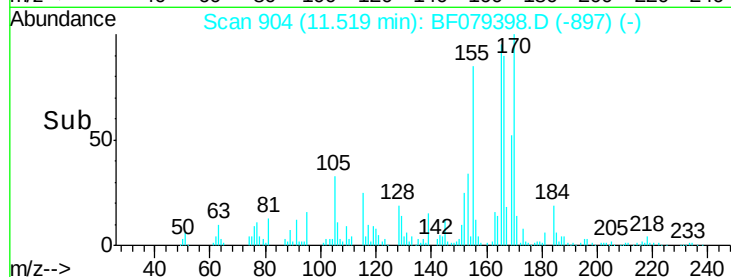
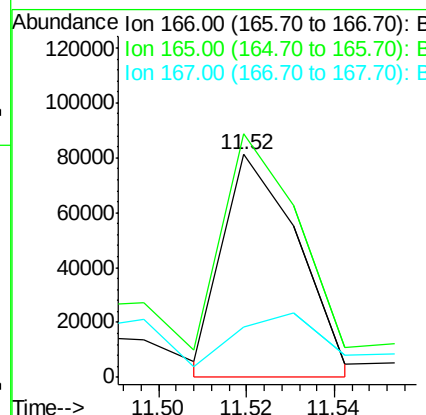
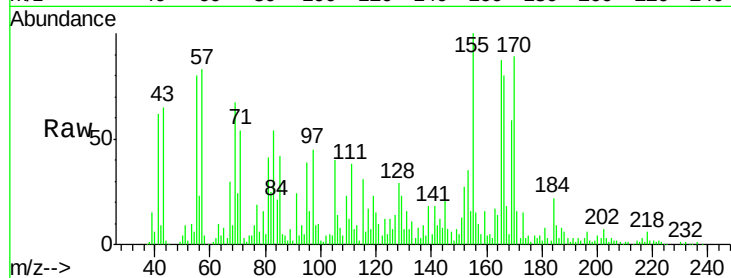
ClientSampleID :

10DEPTH

Tot Ion:	166	Resp:	96944
Ion Ratio	Lower	Upper	
166	100		
165	109.4	79.5	119.3
167	22.3	11.0	16.6

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#63

Phenanthrene-d10

Concen: 20.00 ng/mL

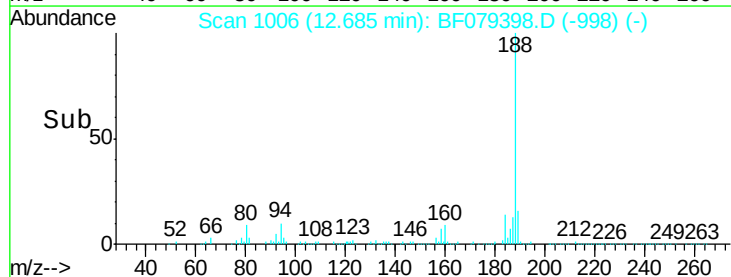
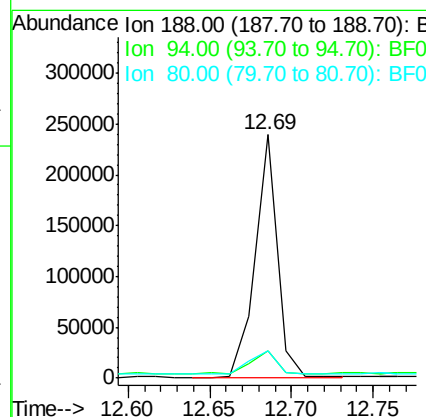
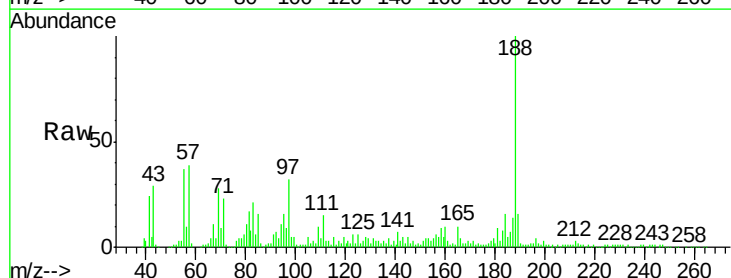
RT: 12.69 min Scan# 1006

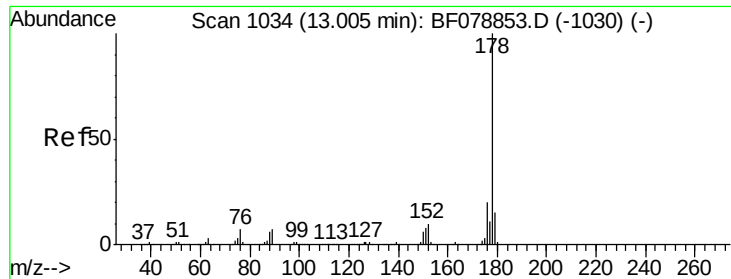
Delta R.T. -0.03 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Tgt Ion:	188	Resp:	224100
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.4	14.0
80	11.0	9.8	14.6





#70

Phenanthrene

Concen: 34.20 ng

RT: 12.71 min Scan# 1008

Delta R.T. -0.03 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Instrument :

BNA_F

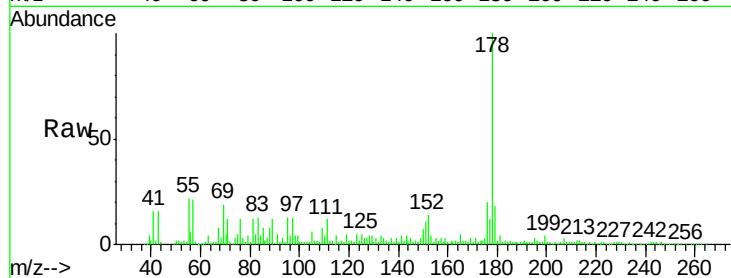
ClientSampleId :

10DEPTH

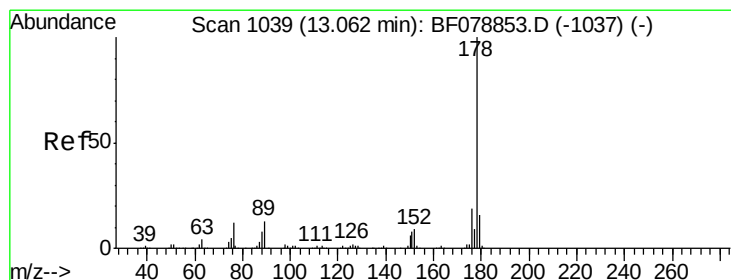
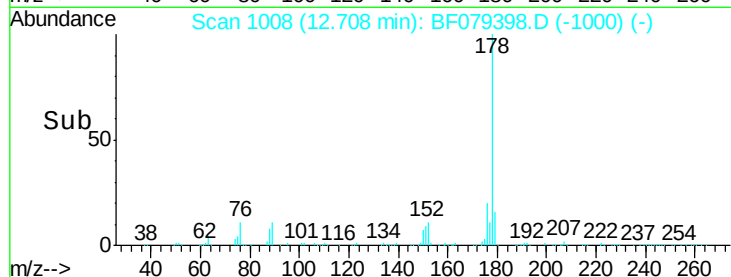
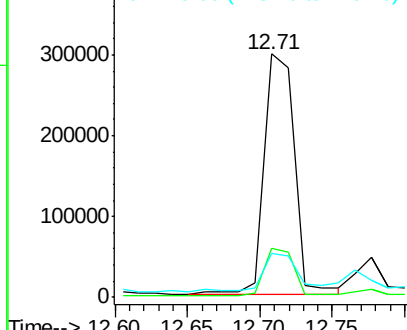
Tot Ion:	178	Resp:	428781
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.9	23.9
179	18.2	12.2	18.4

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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



#71

Anthracene

Concen: 4.46 ng m

RT: 12.78 min Scan# 1014

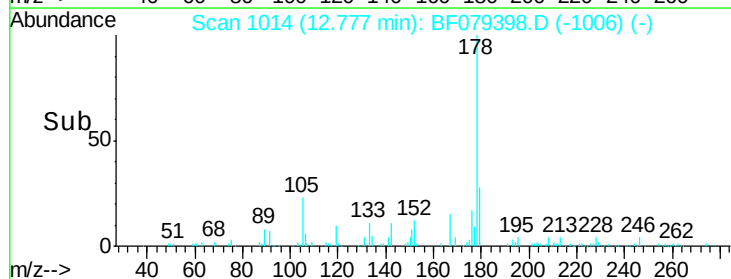
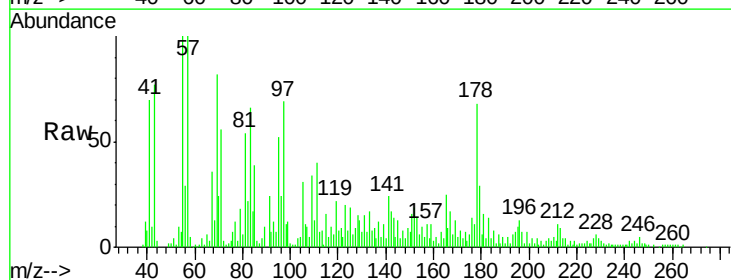
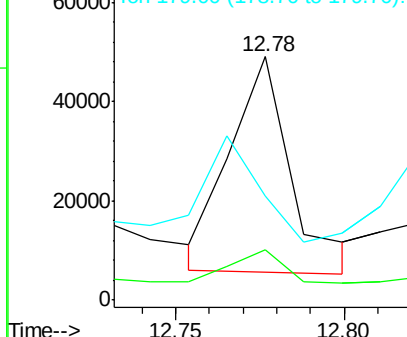
Delta R.T. -0.03 min

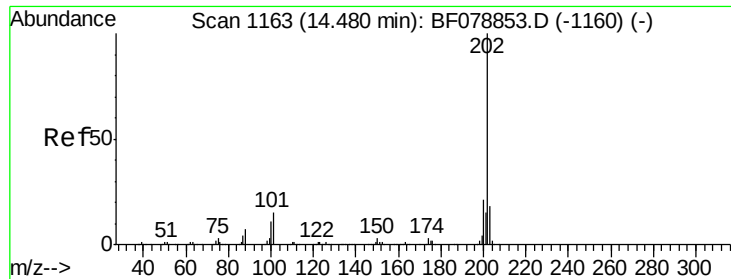
Lab File: BF079398.D

Acq: 21 May 2015 00:45

Tgt Ion:	178	Resp:	54840
Ion Ratio	Lower	Upper	
178	100		
176	20.6	15.3	22.9
179	42.5	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





#74

Fluoranthene

Concen: 3.99 ng

RT: 14.19 min Scan# 1138

Delta R.T. -0.03 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Instrument :

BNA_F

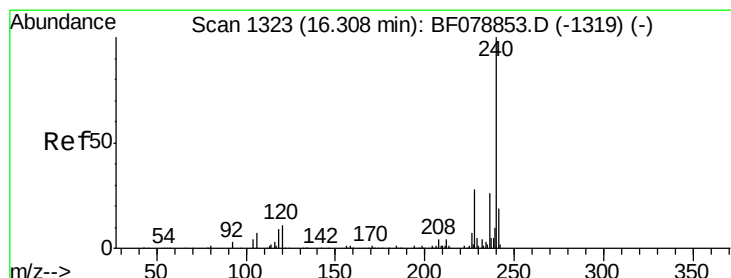
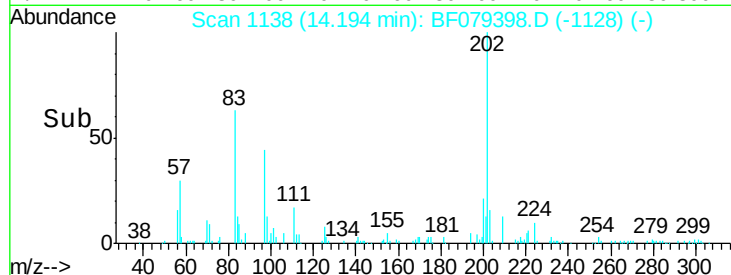
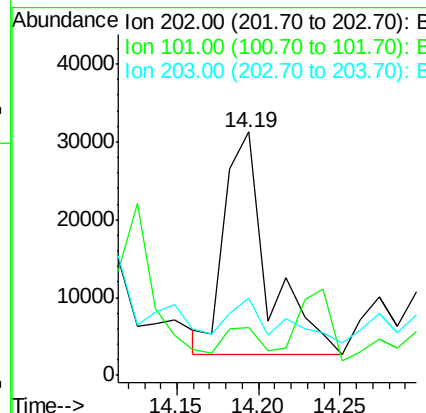
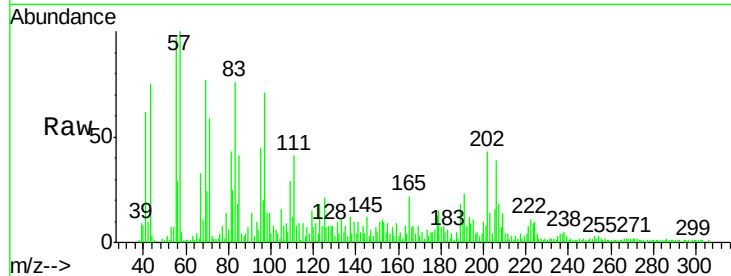
ClientSampleId :

10DEPTH

Tot Ion:	202	Resp:	52180
Ion Ratio		Lower	Upper
202	100		
101	19.5	0.0	34.7
203	31.6	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

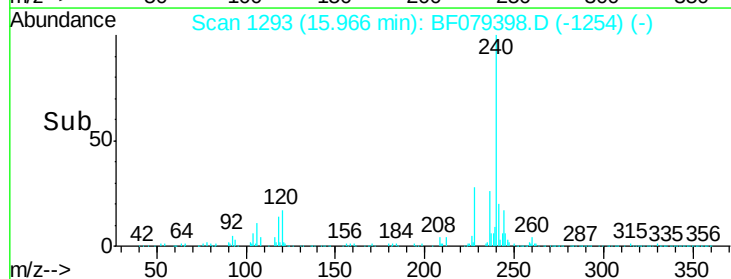
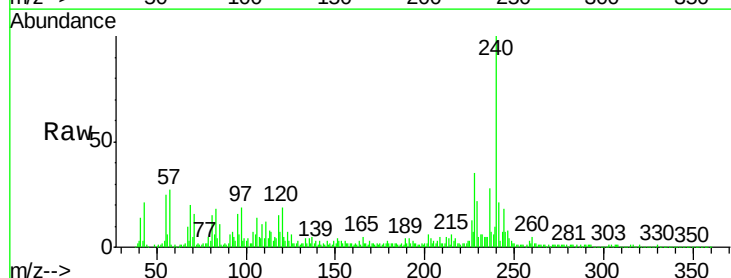
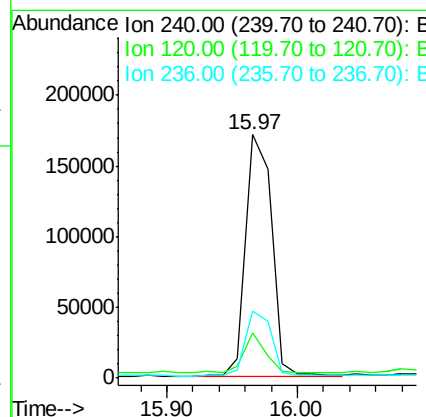
RT: 15.97 min Scan# 1293

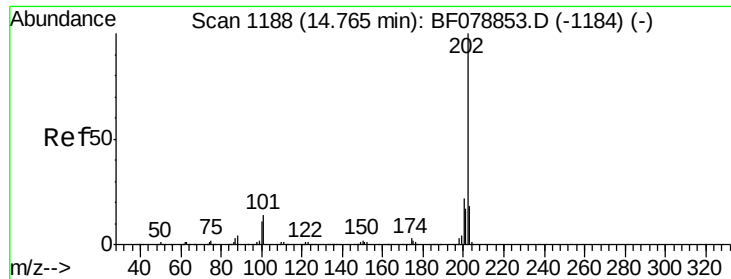
Delta R.T. -0.06 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Tgt Ion:	240	Resp:	235362
Ion Ratio		Lower	Upper
240	100		
120	18.7	8.6	12.8#
236	27.6	21.0	31.6





#77

Pvrene

Concen: 17.59 ng

RT: 14.47 min Scan# 1162

Delta R.T. -0.03 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Instrument :

BNA_F

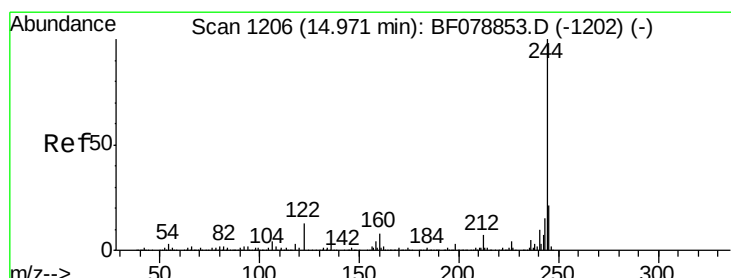
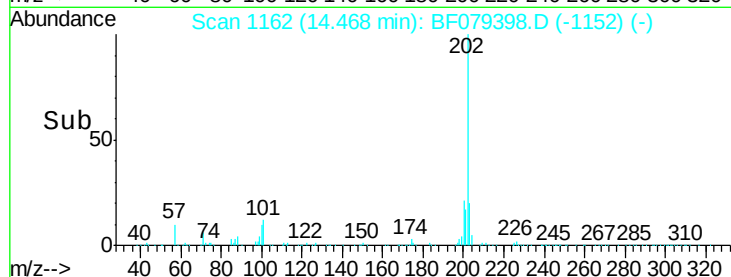
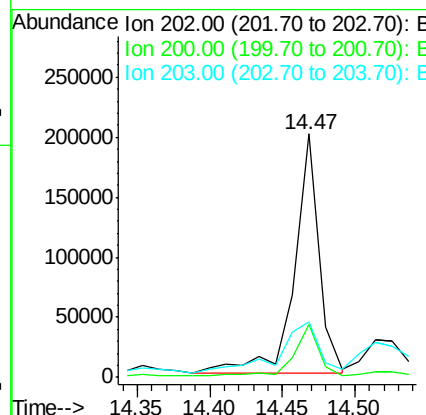
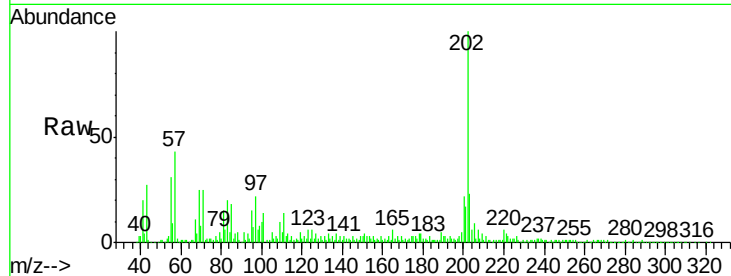
ClientSampled :

10DEPTH

Tot Ion:	202	Resp:	238598
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.5	26.3
203	23.0	14.7	22.1

Manual Integrations
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#78

Terphenyl-d14

Concen: 11.61 ng

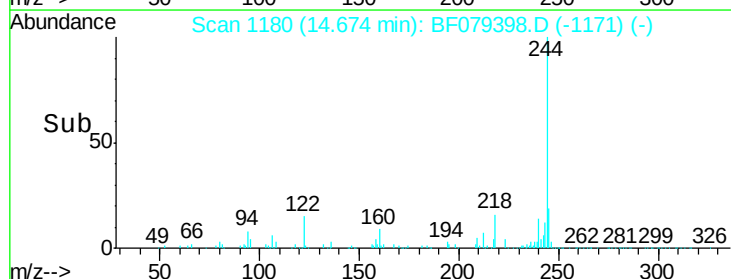
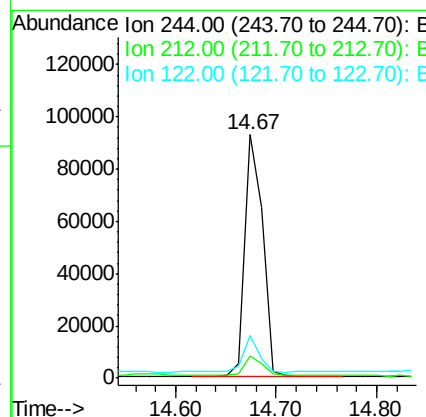
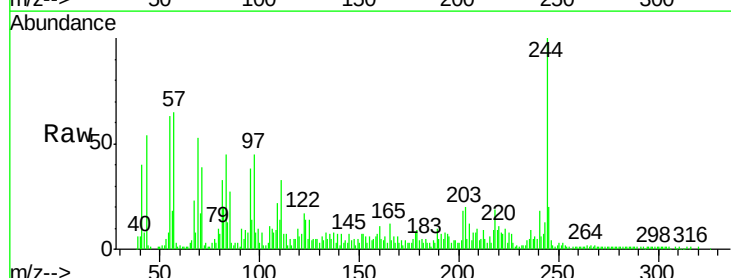
RT: 14.67 min Scan# 1180

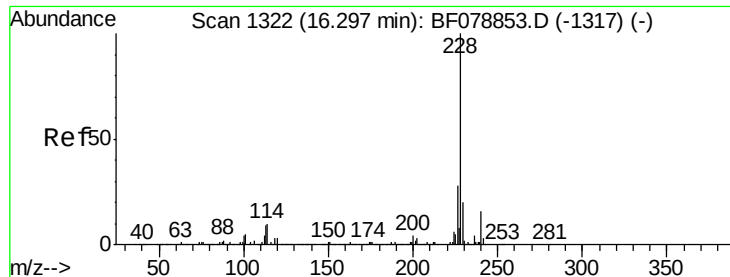
Delta R.T. -0.05 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Tgt Ion:	244	Resp:	114159
Ion Ratio		Lower	Upper
244	100		
212	8.9	5.6	8.4
122	17.3	10.5	15.7





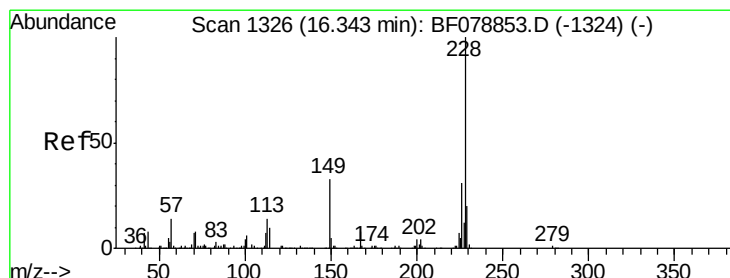
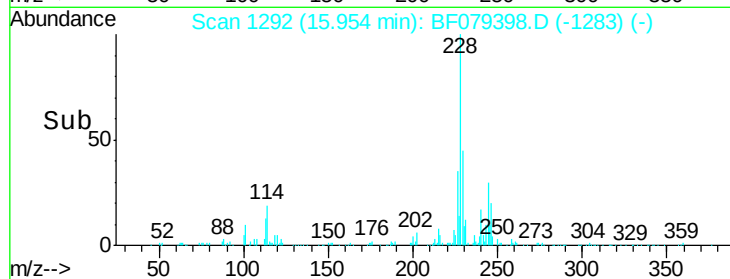
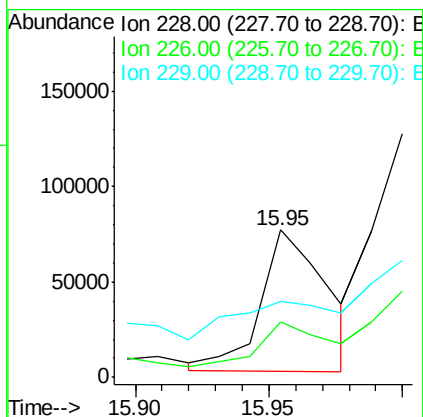
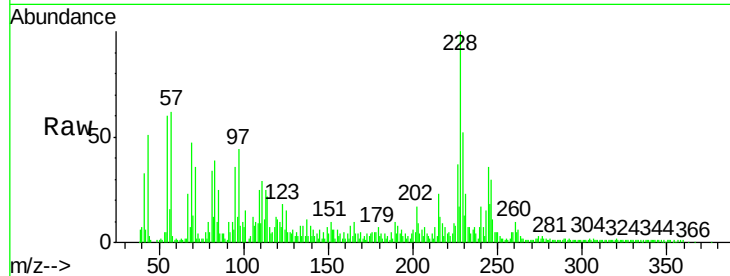
#80
Benzo(a)anthracene
Concen: 9.99 ng m
RT: 15.95 min Scan# 1292
Delta R.T. -0.06 min
Lab File: BF079398.D
Acq: 21 May 2015 00:45

Instrument :
BNA_F
ClientSampleId :
10DEPTH

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.4	22.3	33.5#
229	51.9	16.1	24.1#

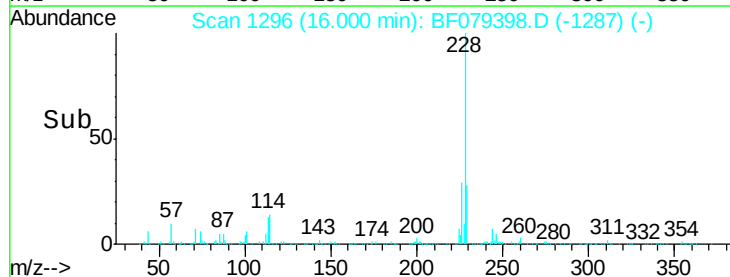
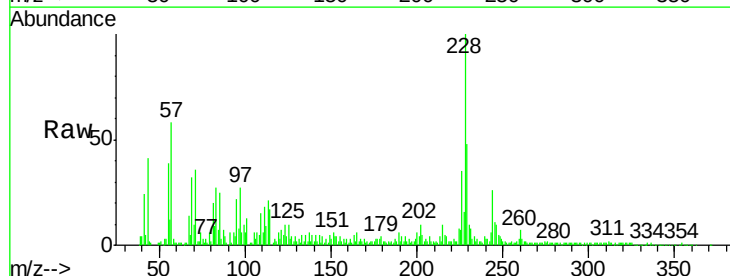
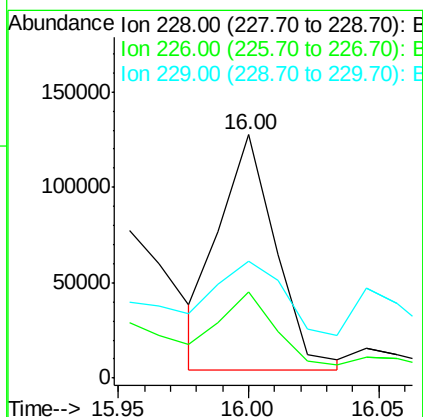
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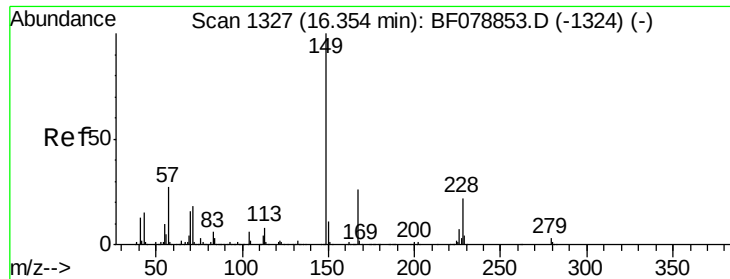
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#82
Chrysene
Concen: 14.94 ng m
RT: 16.00 min Scan# 1296
Delta R.T. -0.06 min
Lab File: BF079398.D
Acq: 21 May 2015 00:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.3	24.8	37.2
229	47.9	16.1	24.1#





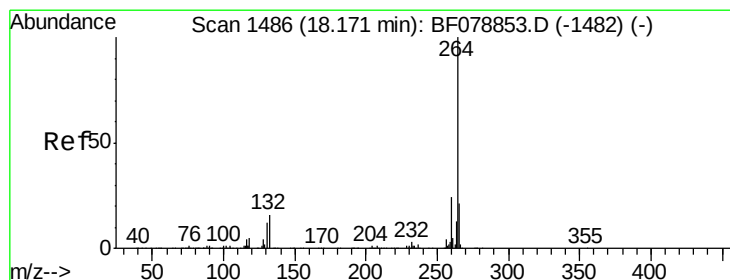
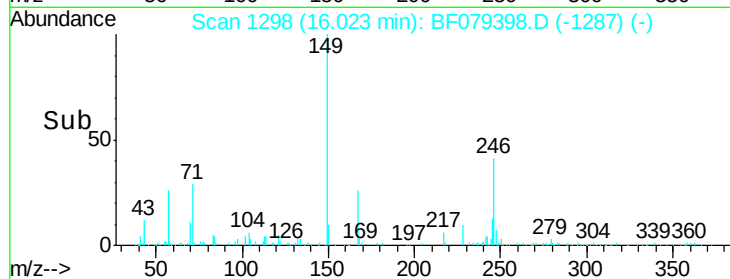
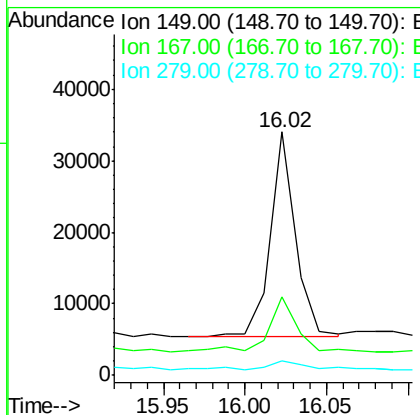
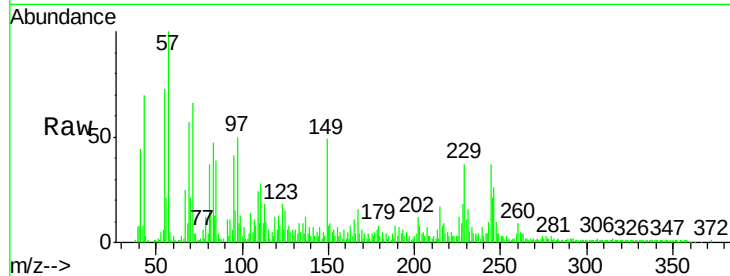
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.46 ng
 RT: 16.02 min Scan# 1298
 Delta R.T. -0.05 min
 Lab File: BF079398.D
 Acq: 21 May 2015 00:45

Instrument :
 BNA_F
 ClientSampled :
 10DEPTH

Tot Ion	Ratio	Lower	Upper
149	100		
167	32.1	21.2	31.8#
279	5.7	2.6	4.0#

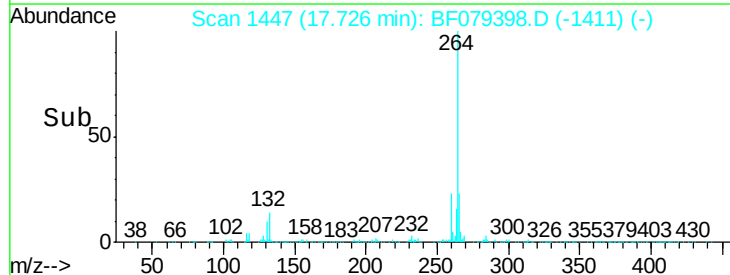
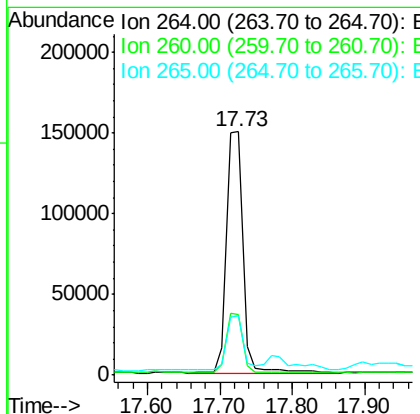
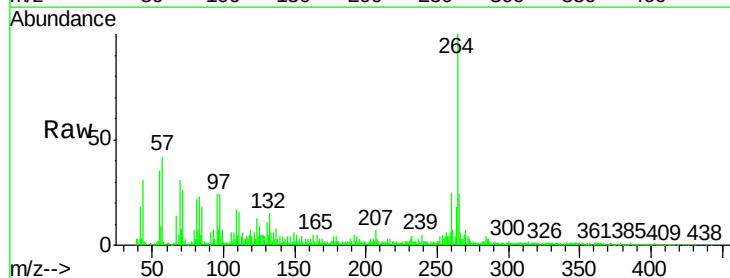
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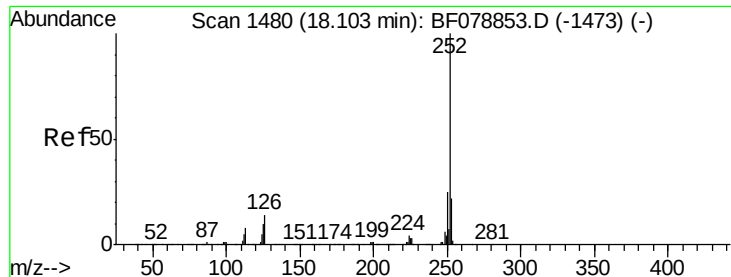
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.73 min Scan# 1447
 Delta R.T. -0.09 min
 Lab File: BF079398.D
 Acq: 21 May 2015 00:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	24.2	17.2	25.8





#89

Benzo(a)pyrene

Concen: 4.38 ng

RT: 17.66 min Scan# 1441

Delta R.T. -0.09 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Instrument :

BNA_F

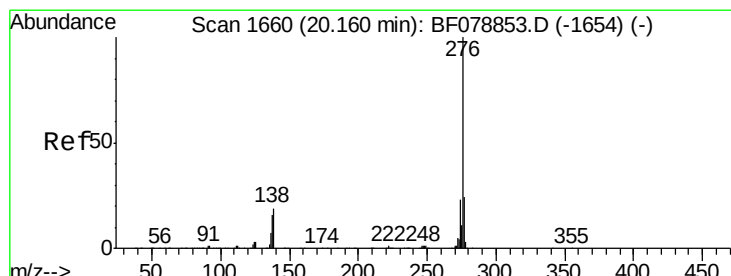
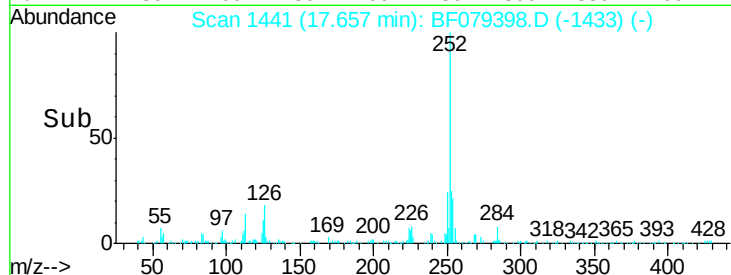
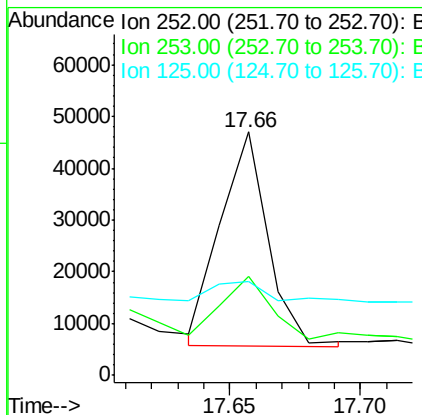
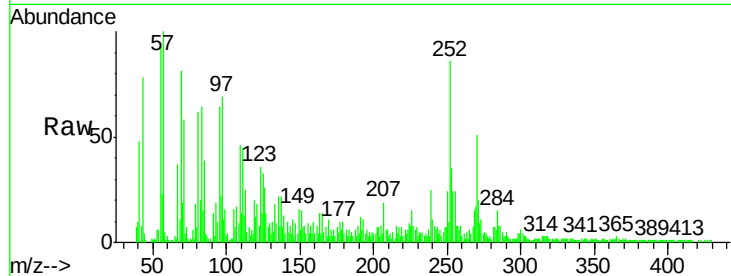
ClientSampled :

10DEPTH

Tot Ion:	252	Resp:	52412
Ion Ratio	Lower	Upper	
252	100		
253	40.9	18.0	27.0#
125	38.8	8.2	12.2#

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#91

Benzo(g,h,i)perylene

Concen: 2.53 ng m

RT: 19.49 min Scan# 1601

Delta R.T. -0.14 min

Lab File: BF079398.D

Acq: 21 May 2015 00:45

Tgt Ion:	276	Resp:	32295
Ion Ratio	Lower	Upper	
276	100		
277	34.7	18.8	28.2#
138	39.0	15.2	22.8#

