

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
 Data File : BF079389.D
 Acq On : 20 May 2015 20:26
 Operator : TP/IZ
 Sample : G2303-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2DEPTH

Manual Integrations
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Quant Time: May 21 03:23:05 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 00:52:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.08	152	73373	20.00	ng	0.00
21) Naphthalene-d8	8.66	136	276752	20.00	ng	0.00
38) Acenaphthene-d10	10.84	164	107760	20.00	ng	0.01
63) Phenanthrene-d10	12.69	188	233897	20.00	ng	0.01
75) Chrysene-d12	15.98	240	283448	20.00	ng	0.00
86) Perylene-d12	17.74	264	301135	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	426086m	99.96	ng	0.00
7) Phenol-d6	6.66	99	542621	96.31	ng	0.00
23) Nitrobenzene-d5	7.78	82	320917	66.64	ng	0.00
41) 2,4,6-Tribromophenol	11.83	330	133441	114.47	ng	0.01
44) 2-Fluorobiphenyl	10.02	172	600981	77.70	ng	0.01
78) Terphenyl-d14	14.69	244	667071	56.34	ng	0.01
Target Compounds						
31) Naphthalene	8.70	128	251752	19.09	ng	# 82
37) 2-Methylnaphthalene	9.55	142	566031	61.94	ng	# 95
45) 1,1'-Biphenyl	10.14	154	124615	14.55	ng	94
57) Fluorene	11.53	166	215867	27.83	ng	# 86
70) Phenanthrene	12.72	178	675044	51.59	ng	97
74) Fluoranthene	14.19	202	78399	5.75	ng	84
77) Pyrene	14.47	202	415325	25.43	ng	# 91
80) Benzo(a)anthracene	15.97	228	169781m	10.94	ng	
82) Chrysene	16.00	228	260557m	17.45	ng	
83) Bis(2-ethylhexyl)phthalate	16.02	149	85836	7.94	ng	95
87) Benzo(b)fluoranthene	17.28	252	55568m	3.37	ng	
89) Benzo(a)pyrene	17.67	252	84408	5.56	ng	# 55
91) Benzo(a,h,i)perylene	19.50	276	47856	2.96	ng	# 72

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

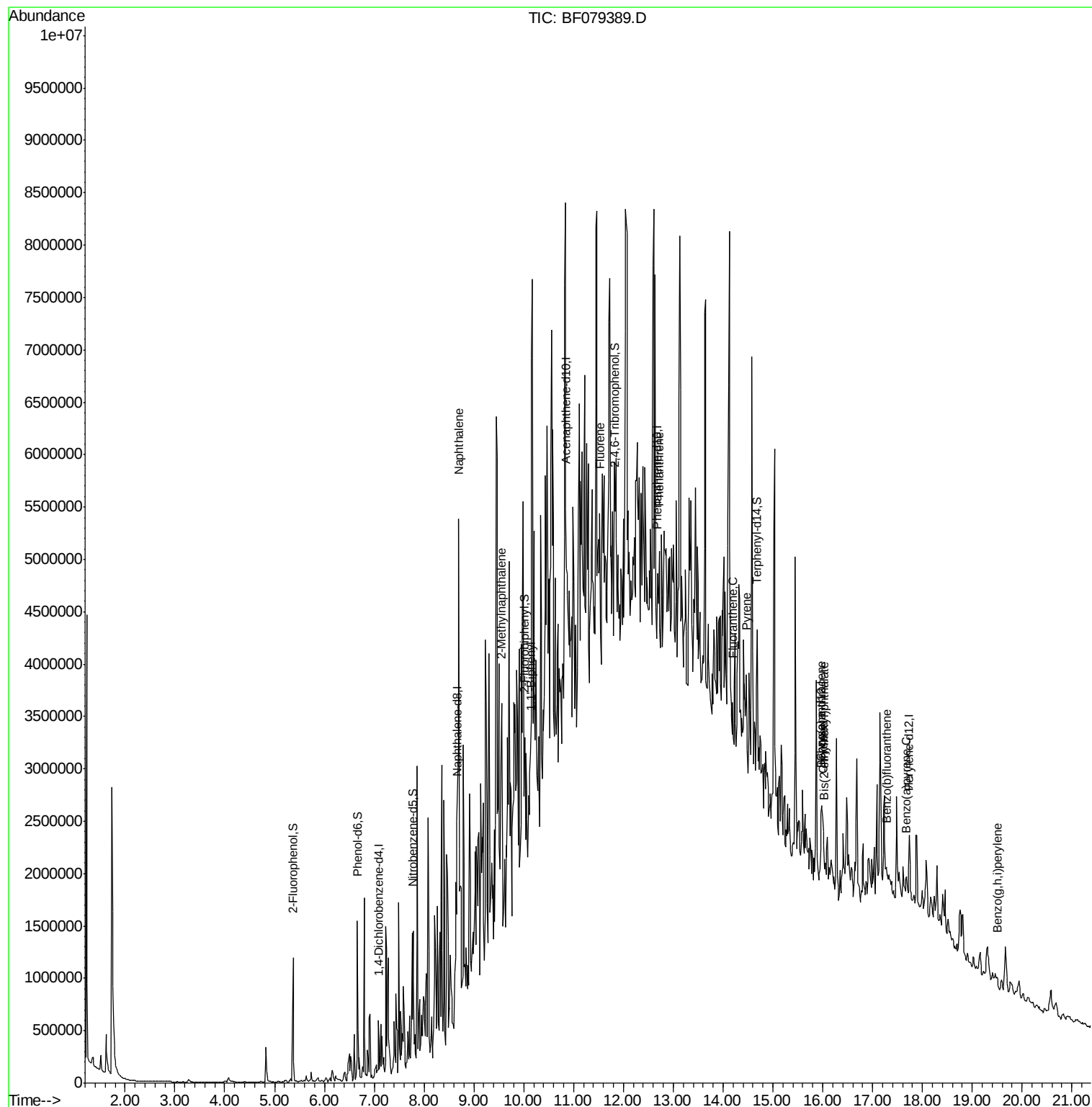
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

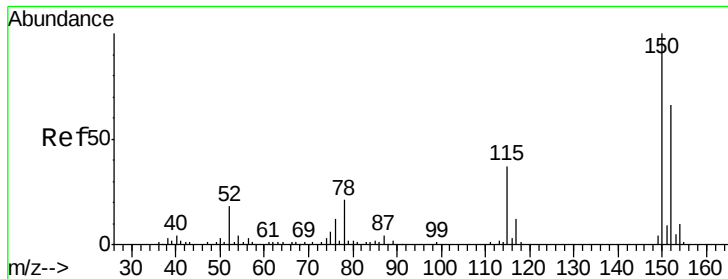
Instrument :
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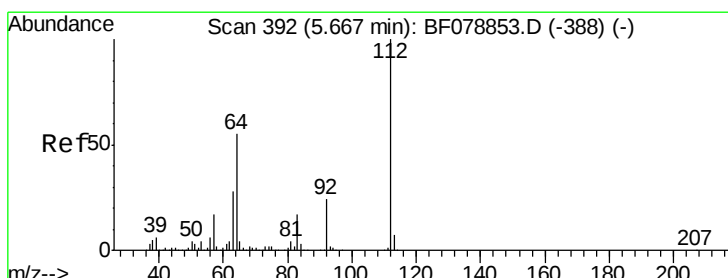
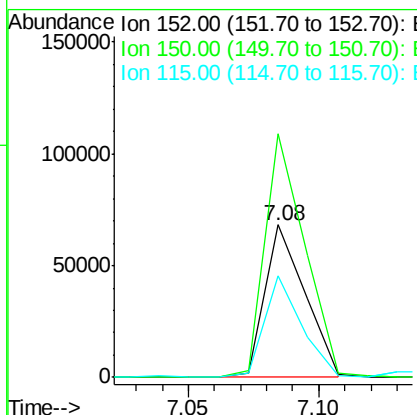
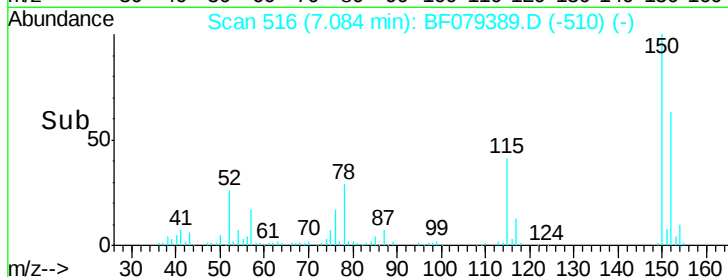
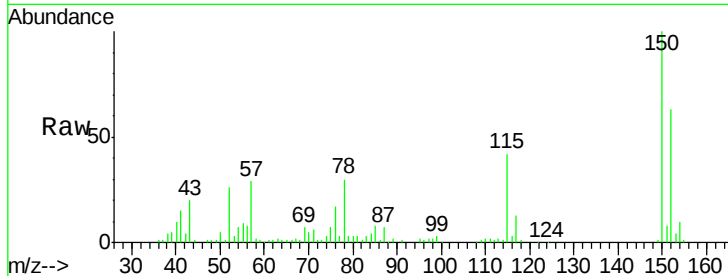
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.08 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: BF079389.D
 Acq: 20 May 2015 20:26

Instrument :
 BNA_F
 ClientSampleId :
 2DEPTH

Tot Ion:	152	Resp:	73373
Ion Ratio	Lower	Upper	
152	100		
150	159.6	123.8	185.8
115	66.4	49.4	74.0

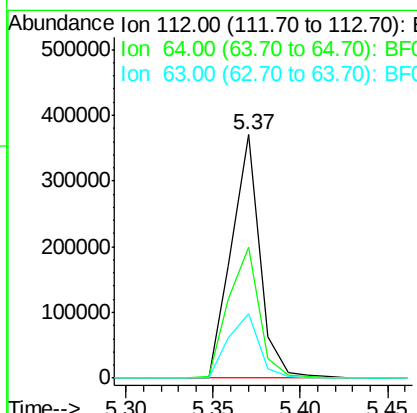
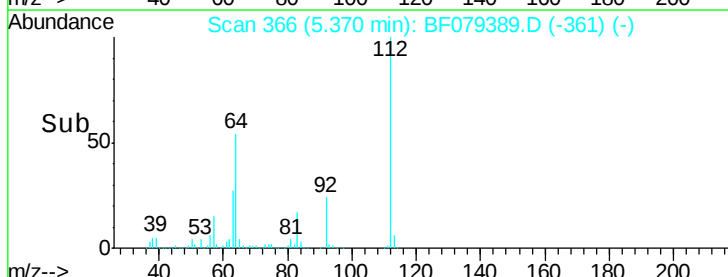
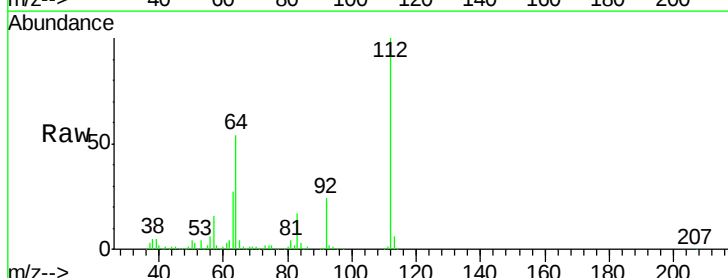
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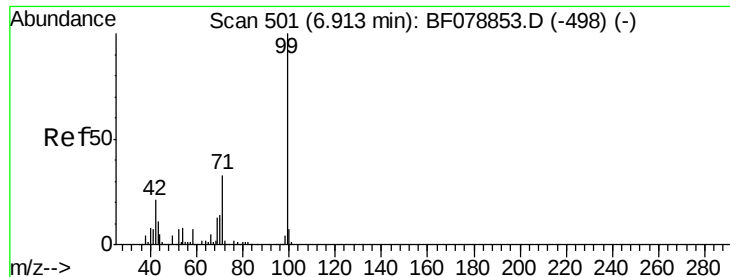
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#5
 2-Fluorophenol
 Concen: 99.96 ng m
 RT: 5.37 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: BF079389.D
 Acq: 20 May 2015 20:26

Tgt Ion:	112	Resp:	426086
Ion Ratio	Lower	Upper	
112	100		
64	53.7	44.2	66.2
63	26.6	22.7	34.1





#7

Phenol-d6

Concen: 96.31 ng

RT: 6.66 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF079389.D

Acq: 20 May 2015 20:26

Instrument :

BNA_F

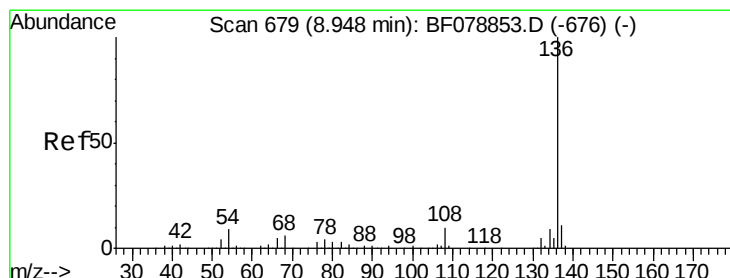
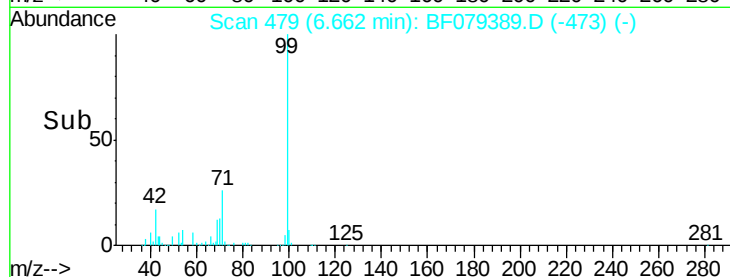
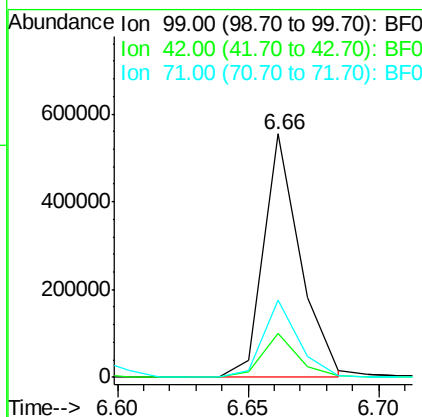
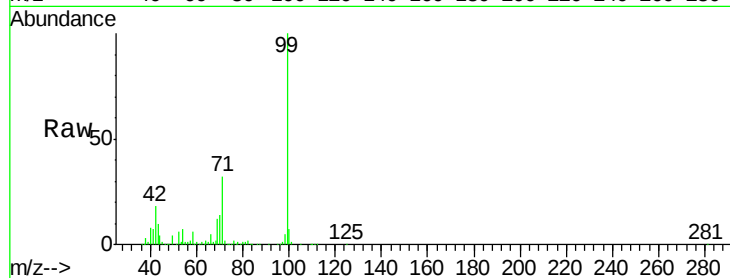
ClientSampleId :

2DEPTH

Tot Ion:	99	Resp:	542621
Ion Ratio	Lower	Upper	
99	100		
42	18.1	17.1	25.7
71	31.8	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

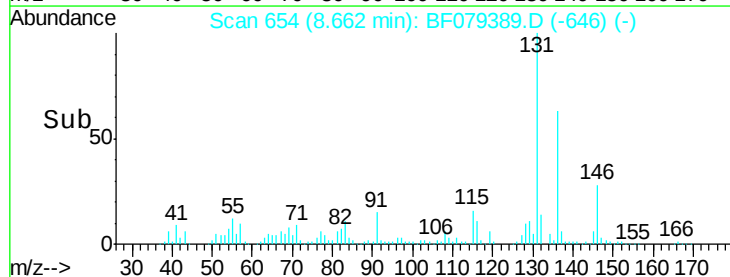
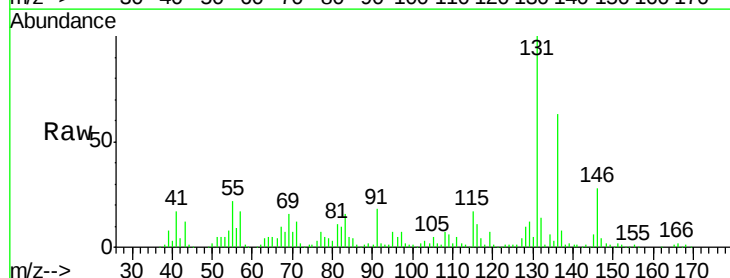
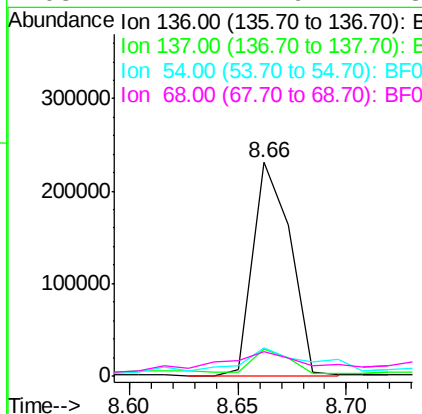
RT: 8.66 min Scan# 654

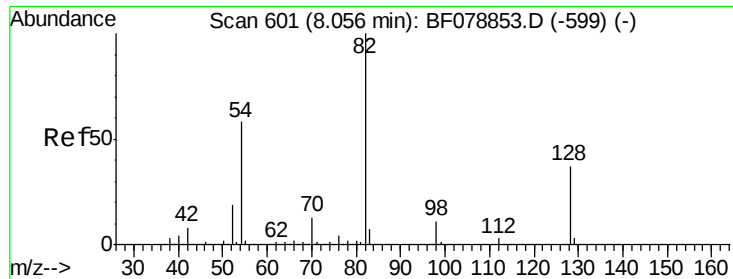
Delta R.T. -0.00 min

Lab File: BF079389.D

Acq: 20 May 2015 20:26

Tgt Ion:	136	Resp:	276752
Ion Ratio	Lower	Upper	
136	100		
137	12.4	8.8	13.2
54	12.9	6.9	10.3#
68	11.1	4.9	7.3#





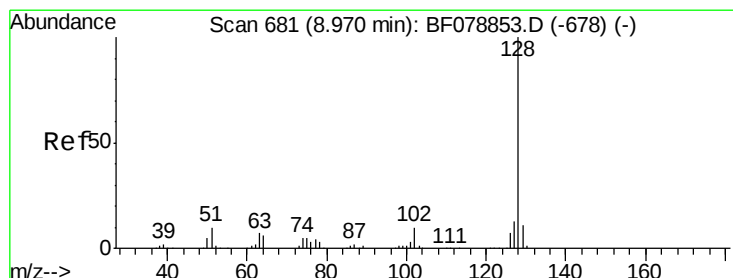
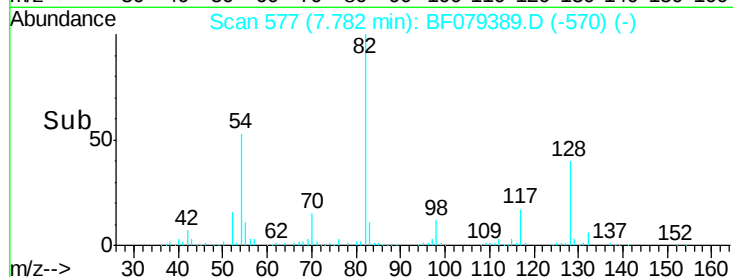
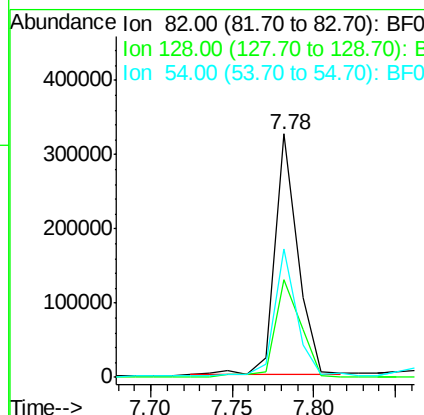
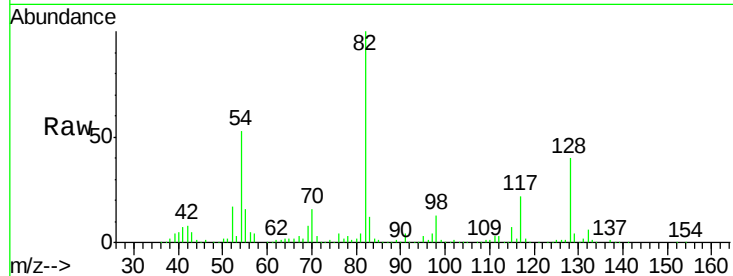
#23
Nitrobenzene-d5
Concen: 66.64 ng
RT: 7.78 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF079389.D
Acq: 20 May 2015 20:26

Instrument :
BNA_F
ClientSampleId :
2DEPTH

Tot Ion:	82	Resp:	320917
Ion Ratio	Lower	Upper	
82	100		
128	40.1	29.7	44.5
54	52.7	46.2	69.4

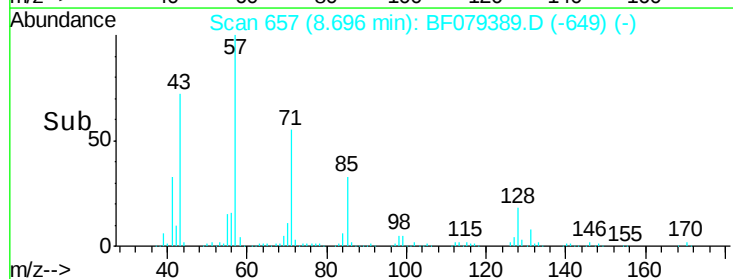
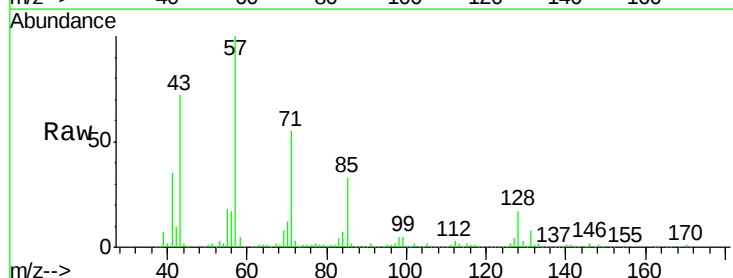
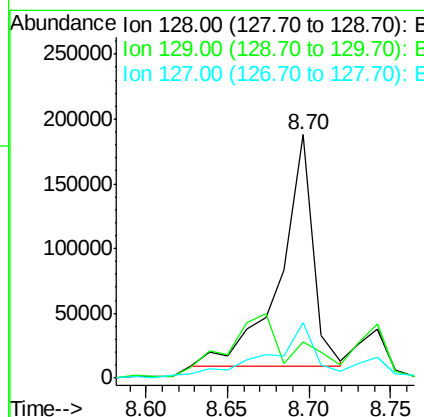
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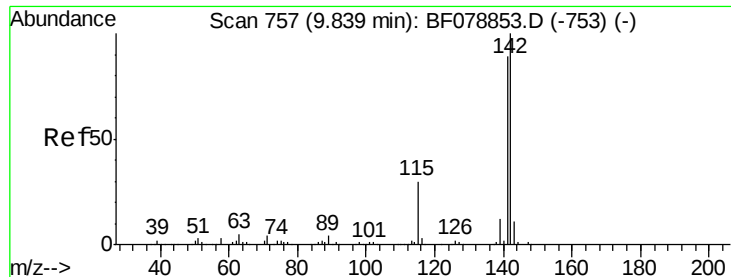
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#31
Naphthalene
Concen: 19.09 ng
RT: 8.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: BF079389.D
Acq: 20 May 2015 20:26

Tgt Ion:	128	Resp:	251752
Ion Ratio	Lower	Upper	
128	100		
129	15.0	9.2	13.8#
127	23.0	10.3	15.5#





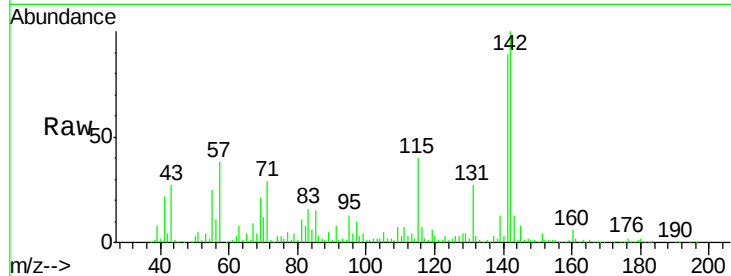
#37
2-Methylnaphthalene
Concen: 61.94 ng
RT: 9.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF079389.D
Acq: 20 May 2015 20:26

Instrument :
BNA_F
ClientSampleId :
2DEPTH

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	40.2	24.2	36.4

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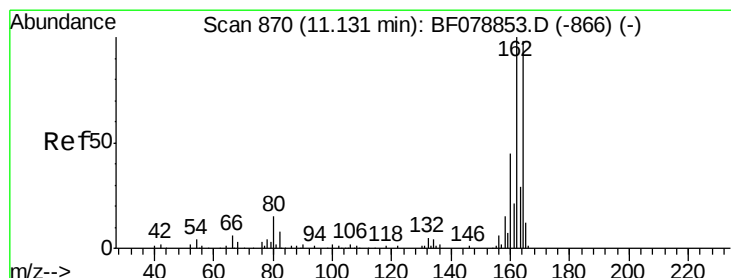
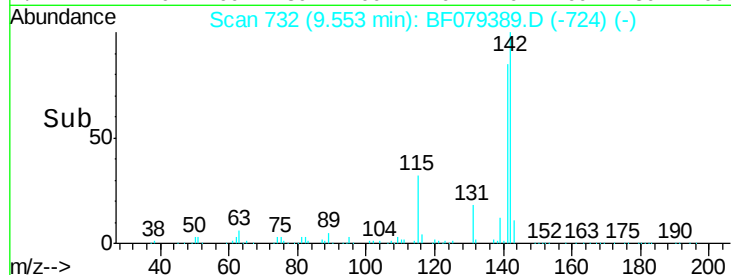
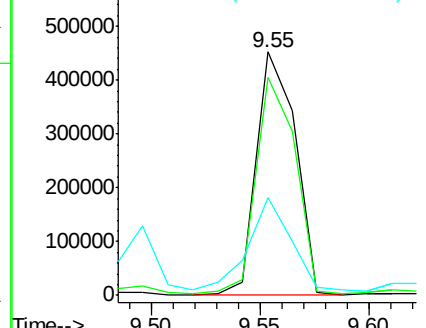


Abundance

Ion 142.00 (141.70 to 142.70): E

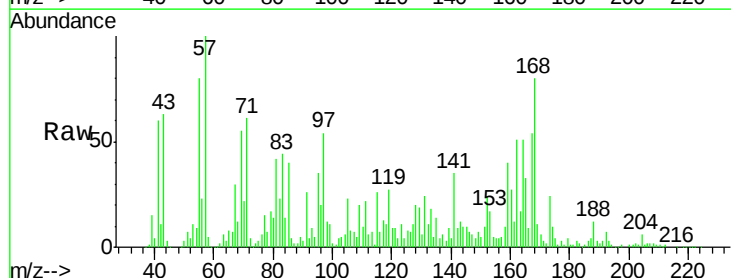
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.84 min Scan# 845
Delta R.T. 0.01 min
Lab File: BF079389.D
Acq: 20 May 2015 20:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.4	122.0
160	52.7	36.6	54.8

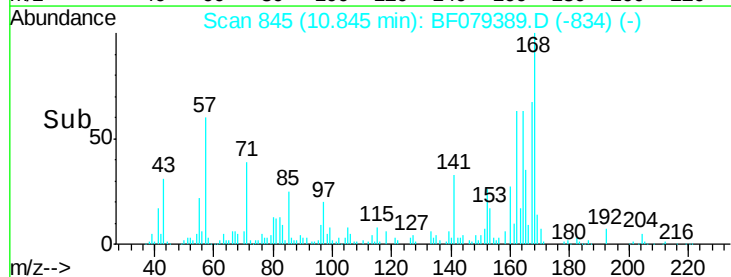
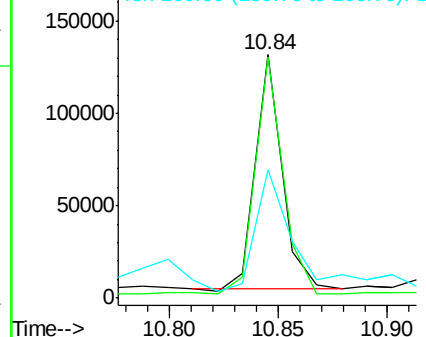


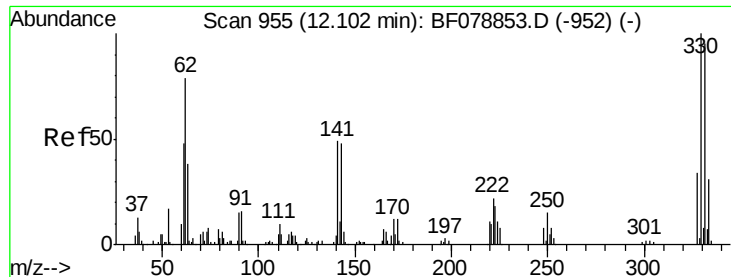
Abundance

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





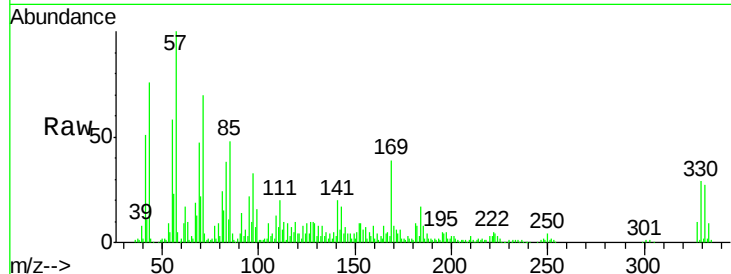
#41
 2,4,6-Tribromophenol
 Concen: 114.47 ng
 RT: 11.83 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: BF079389.D
 Acq: 20 May 2015 20:26

Instrument :
 BNA_F
 ClientSampleId :
 2DEPTH

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	76.9	115.3
141	70.5	27.8	41.8

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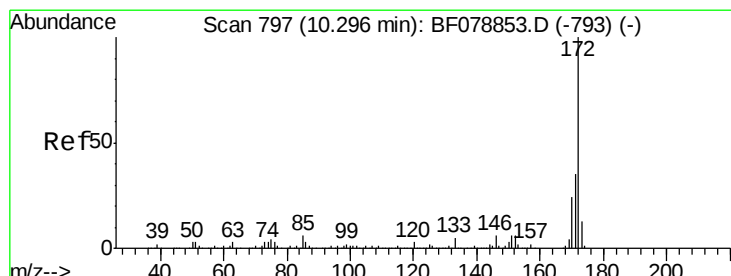
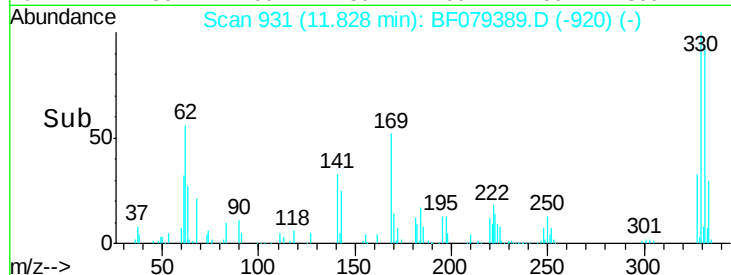
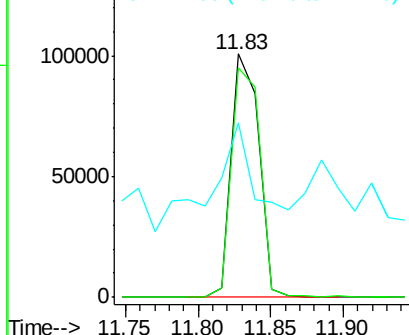


Abundance

Ion 329.80 (329.50 to 330.50): E

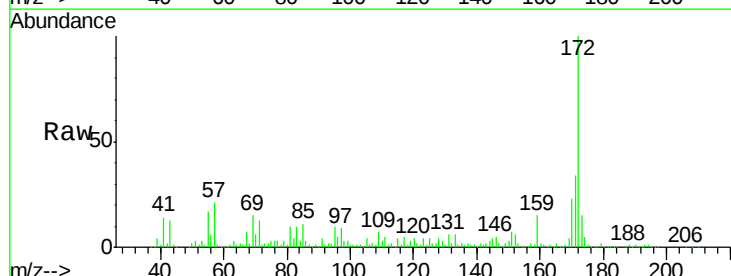
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 77.70 ng
 RT: 10.02 min Scan# 773
 Delta R.T. 0.01 min
 Lab File: BF079389.D
 Acq: 20 May 2015 20:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.3	42.5
170	23.2	19.4	29.2

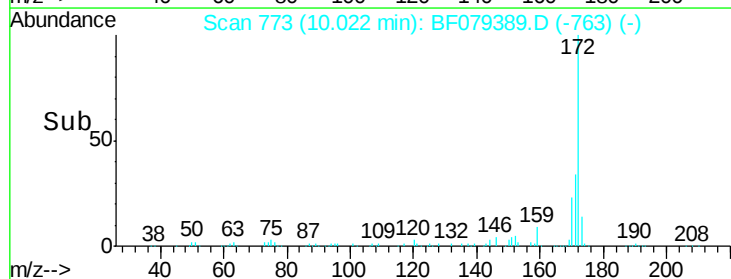
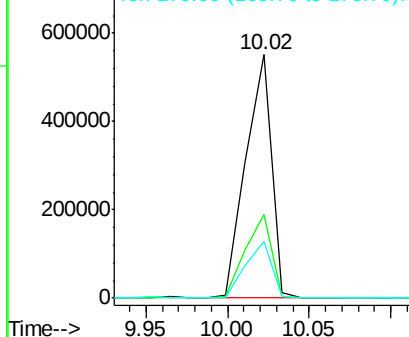


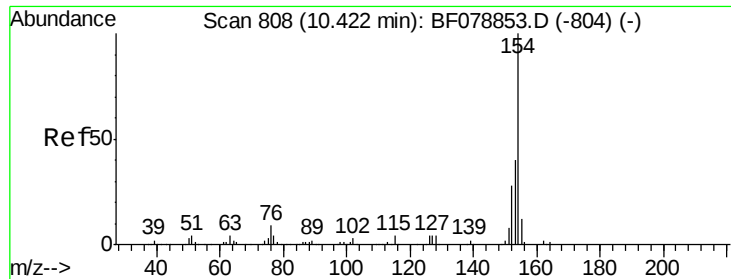
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 14.55 ng

RT: 10.14 min Scan# 783

Delta R.T. -0.00 min

Lab File: BF079389.D

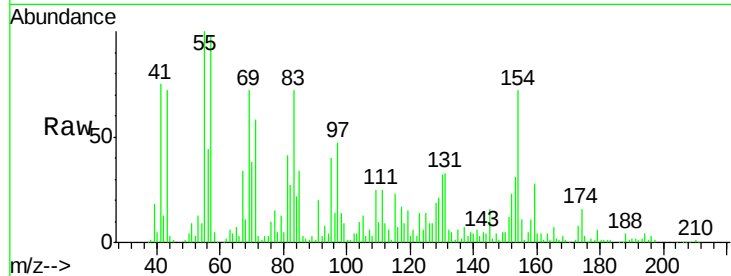
Acq: 20 May 2015 20:26

Instrument :

BNA_F

ClientSampleId :

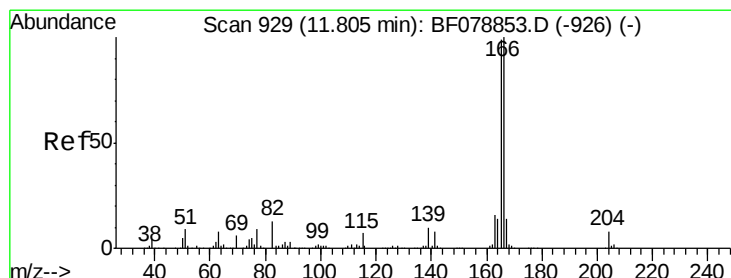
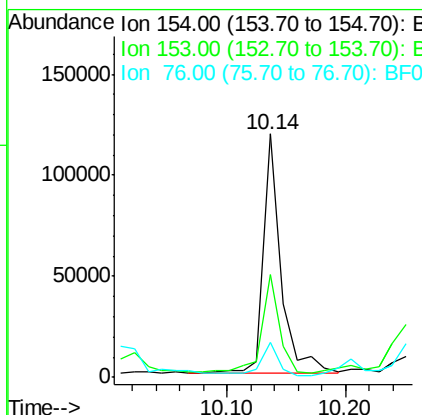
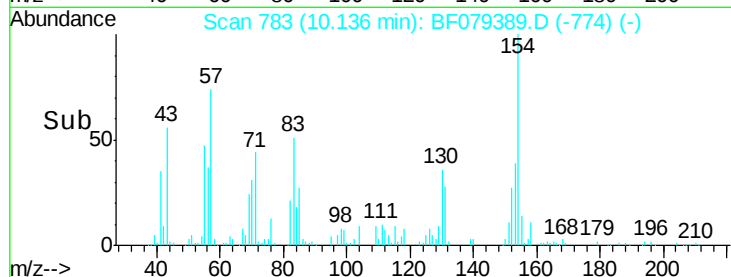
2DEPTH



Tot Ion:	154	Resp:	124615
Ion Ratio	Lower	Upper	
154	100		
153	42.4	19.7	59.7
76	14.5	0.0	29.1

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#57

Fluorene

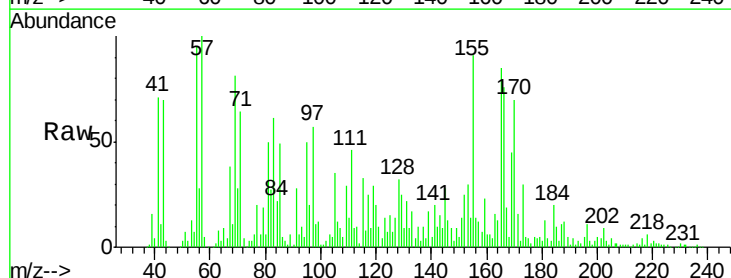
Concen: 27.83 ng

RT: 11.53 min Scan# 905

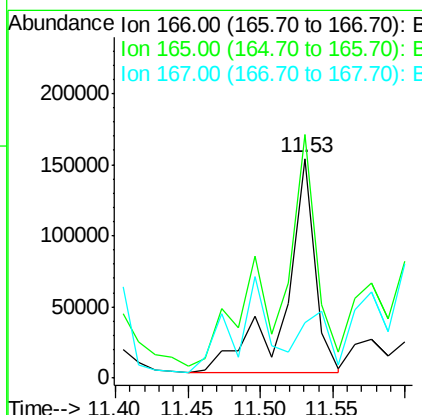
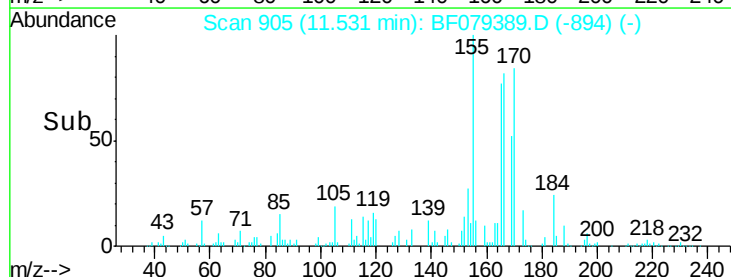
Delta R.T. 0.01 min

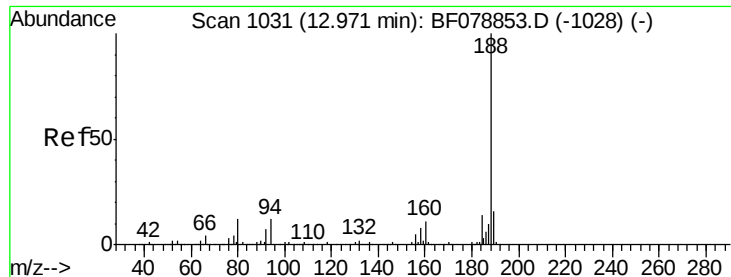
Lab File: BF079389.D

Acq: 20 May 2015 20:26



Tgt Ion:	166	Resp:	215867
Ion Ratio	Lower	Upper	
166	100		
165	111.0	79.5	119.3
167	25.5	11.0	16.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.69 min Scan# 1006

Delta R.T. 0.01 min

Lab File: BF079389.D

Acq: 20 May 2015 20:26

Instrument :

BNA_F

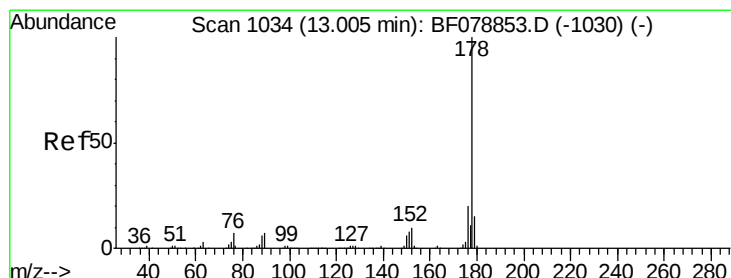
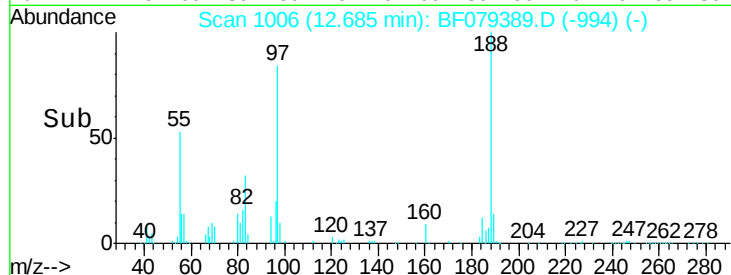
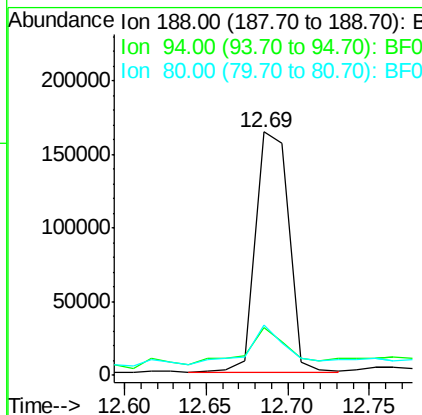
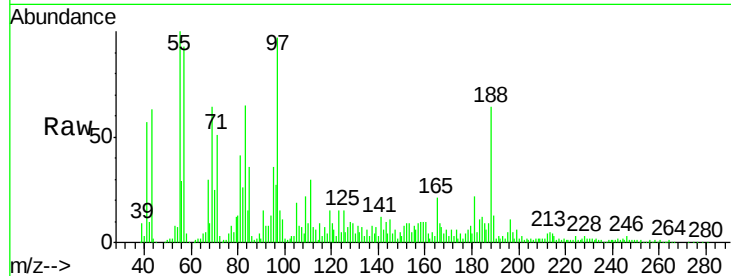
ClientSampleId :

2DEPTH

Tot Ion:	188	Resp:	233897
Ion Ratio	Lower	Upper	
188	100		
94	19.6	9.4	14.0#
80	20.7	9.8	14.6#

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#70

Phenanthrene

Concen: 51.59 ng

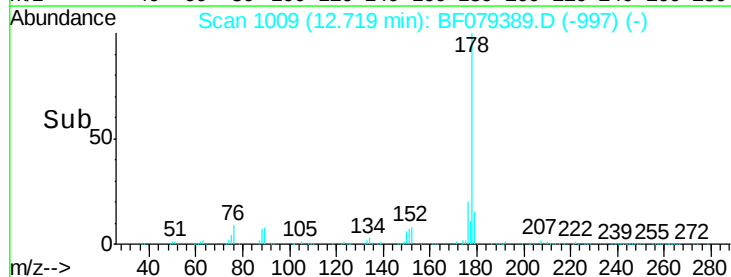
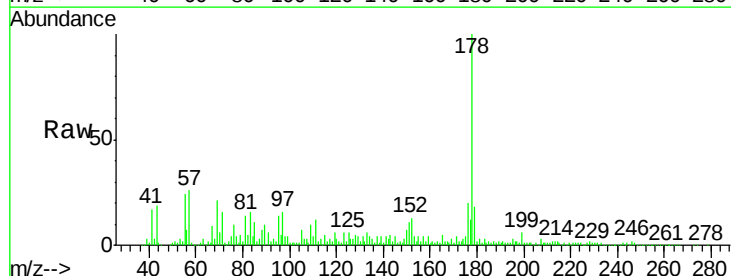
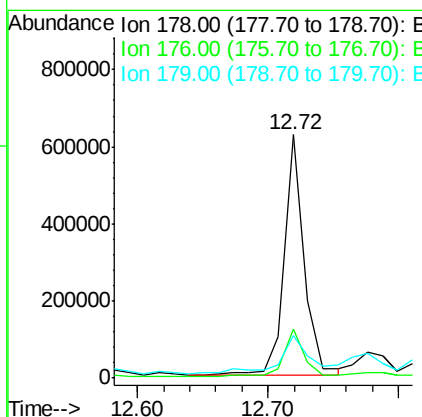
RT: 12.72 min Scan# 1009

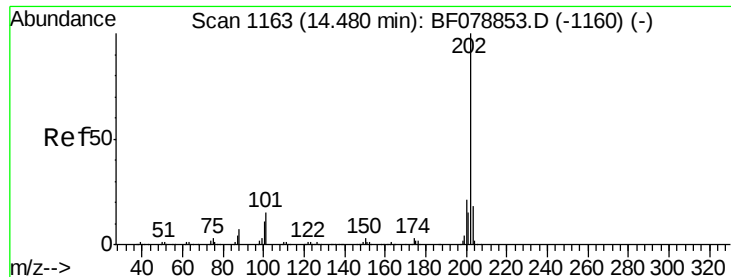
Delta R.T. 0.01 min

Lab File: BF079389.D

Acq: 20 May 2015 20:26

Tgt Ion:	178	Resp:	675044
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.9	23.9
179	17.8	12.2	18.4





#74

Fluoranthene

Concen: 5.75 ng

RT: 14.19 min Scan# 1138

Delta R.T. 0.02 min

Lab File: BF079389.D

Acq: 20 May 2015 20:26

Instrument :

BNA_F

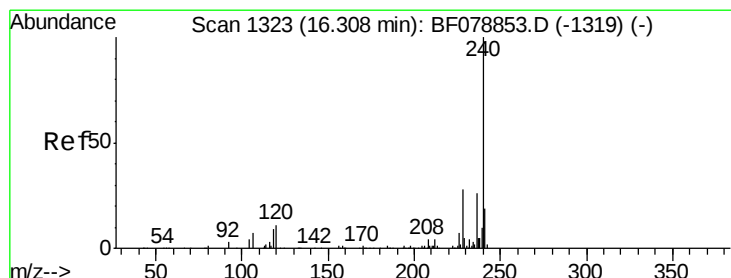
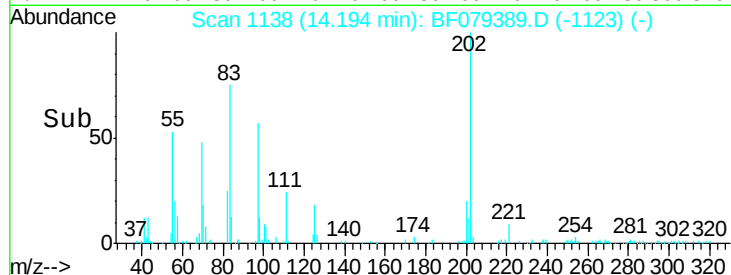
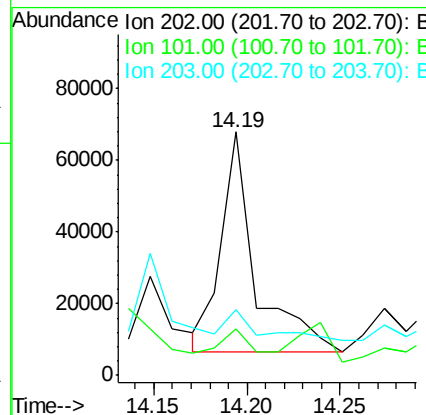
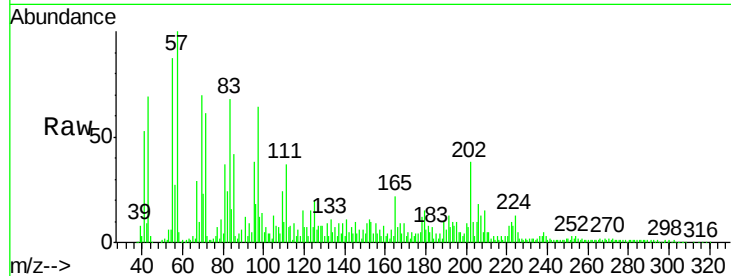
ClientSampleId :

2DEPTH

Tot Ion:	202	Resp:	78399
Ion Ratio	Lower	Upper	
202	100		
101	19.1	0.0	34.7
203	26.9	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

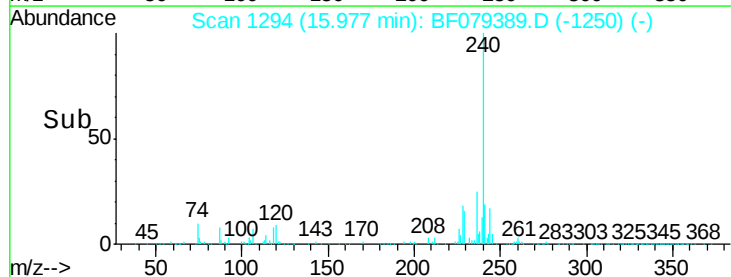
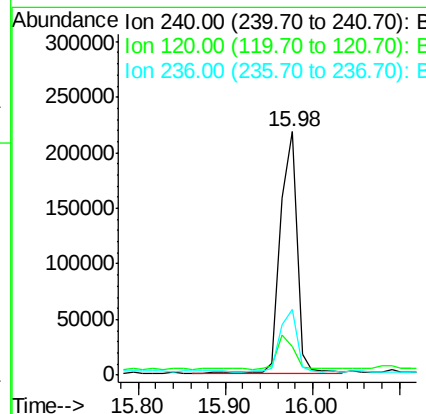
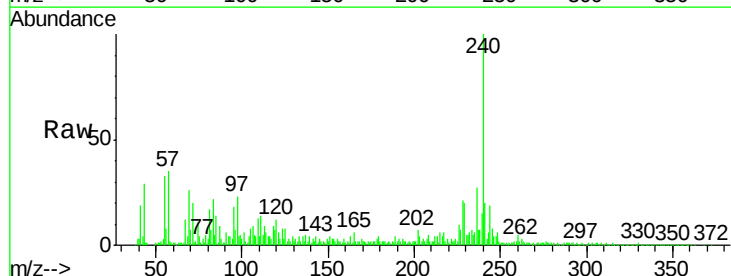
RT: 15.98 min Scan# 1294

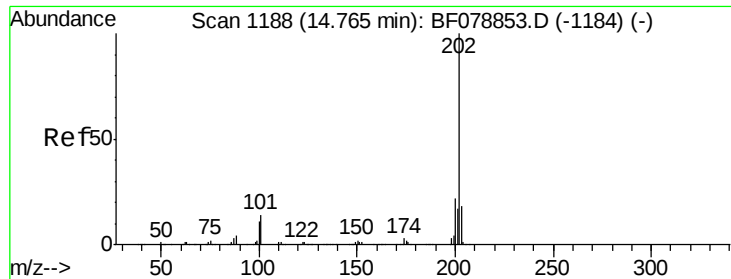
Delta R.T. -0.00 min

Lab File: BF079389.D

Acq: 20 May 2015 20:26

Tgt Ion:	240	Resp:	283448
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.6	12.8
236	27.0	21.0	31.6





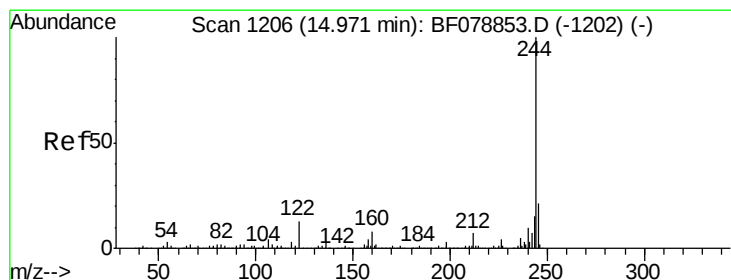
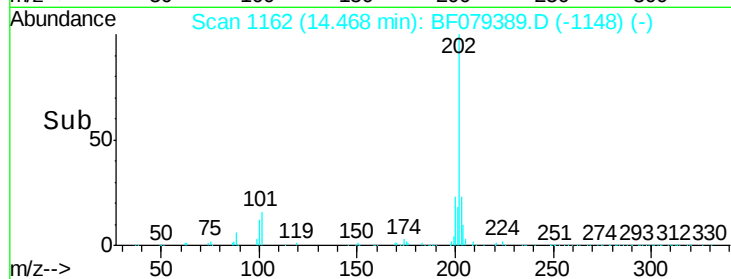
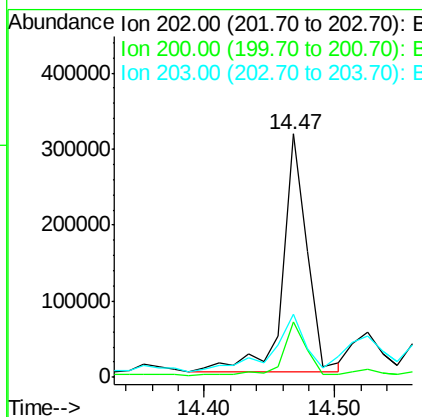
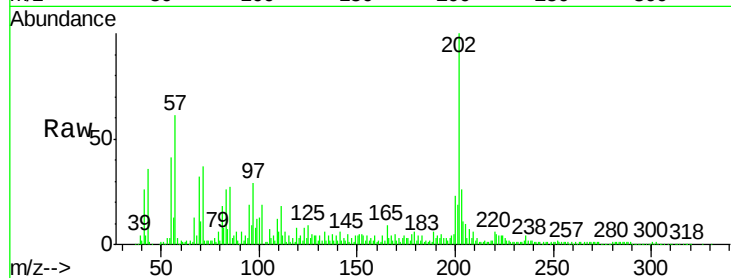
#77
Pvrene
Concen: 25.43 ng
RT: 14.47 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF079389.D
Acq: 20 May 2015 20:26

Instrument :
BNA_F
ClientSampleId :
2DEPTH

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.0	17.5	26.3
203	25.7	14.7	22.1

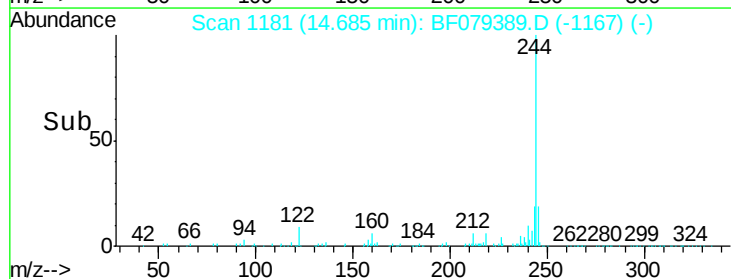
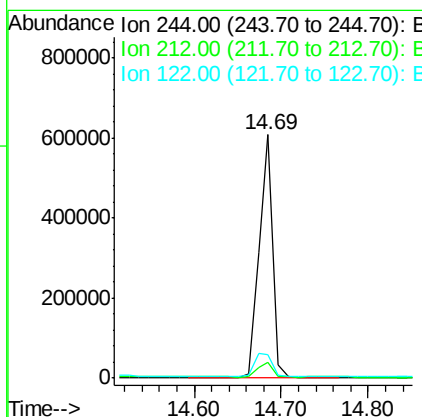
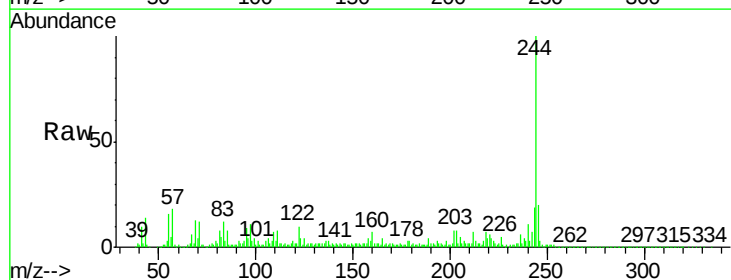
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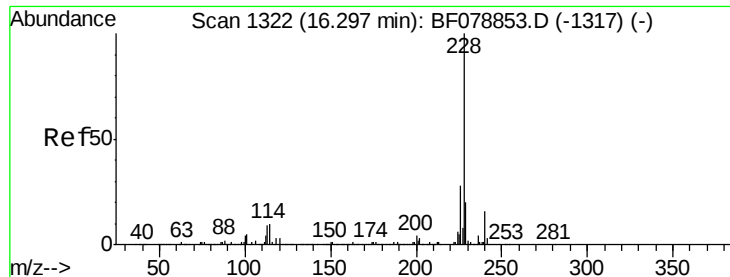
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#78
Terphenyl-d14
Concen: 56.34 ng
RT: 14.69 min Scan# 1181
Delta R.T. 0.01 min
Lab File: BF079389.D
Acq: 20 May 2015 20:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	9.8	10.5	15.7





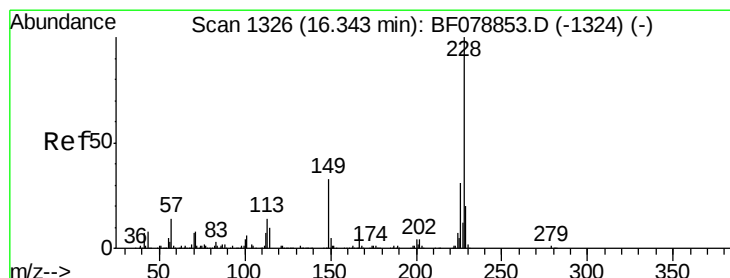
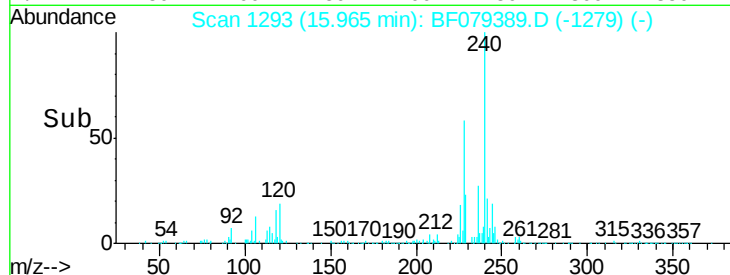
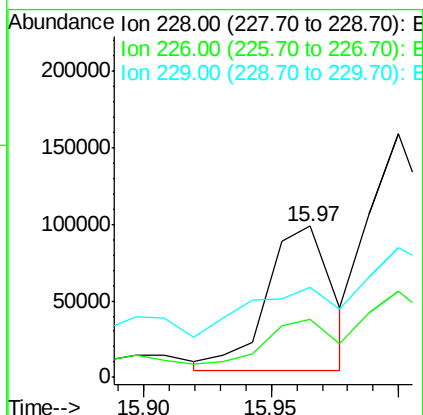
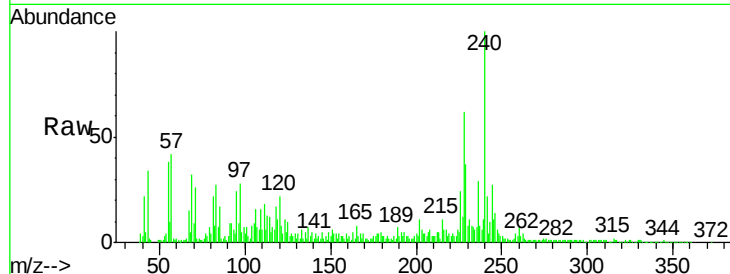
#80
Benzo(a)anthracene
Concen: 10.94 ng m
RT: 15.97 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BF079389.D
Acq: 20 May 2015 20:26

Instrument :
BNA_F
ClientSampleId :
2DEPTH

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.7	22.3	33.5#
229	59.2	16.1	24.1#

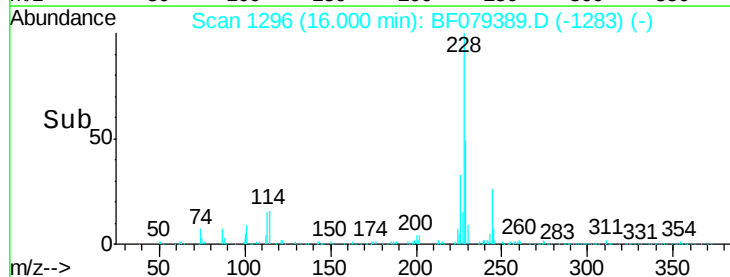
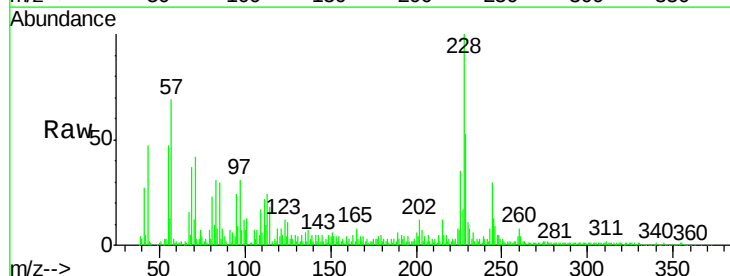
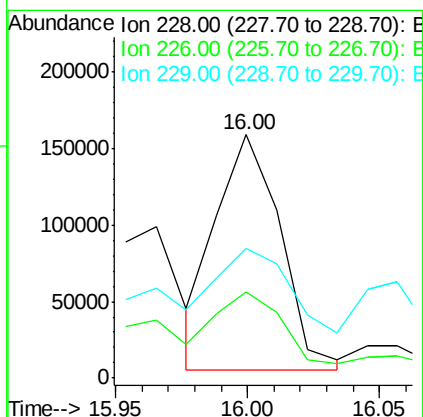
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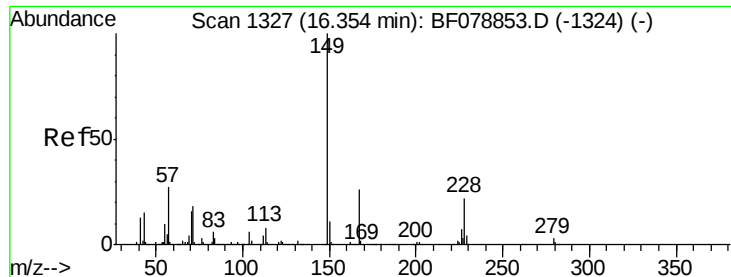
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#82
Chrysene
Concen: 17.45 ng m
RT: 16.00 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF079389.D
Acq: 20 May 2015 20:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.2	24.8	37.2
229	53.4	16.1	24.1#





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.94 ng

RT: 16.02 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF079389.D

Acq: 20 May 2015 20:26

Instrument :

BNA_F

ClientSampled :

2DEPTH

Tot Ion:149 Resp: 85836

Ion Ratio Lower Upper

149 100

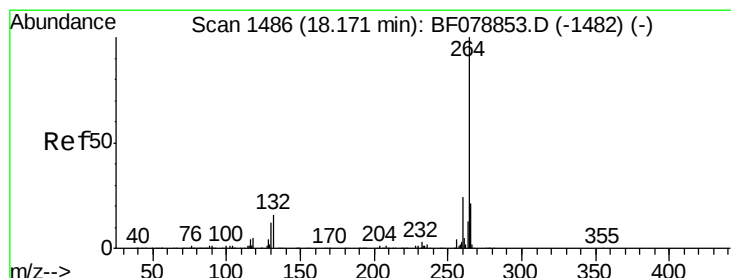
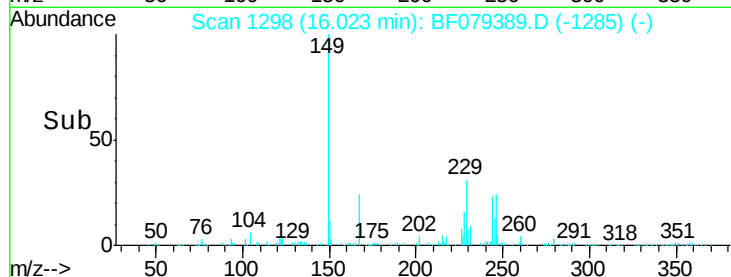
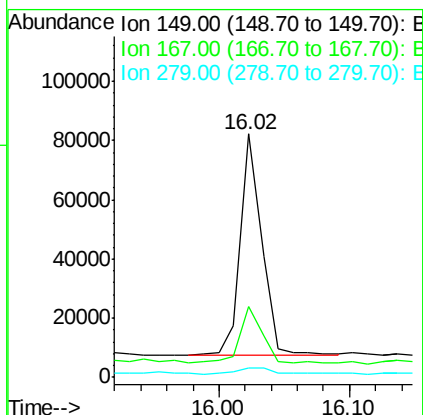
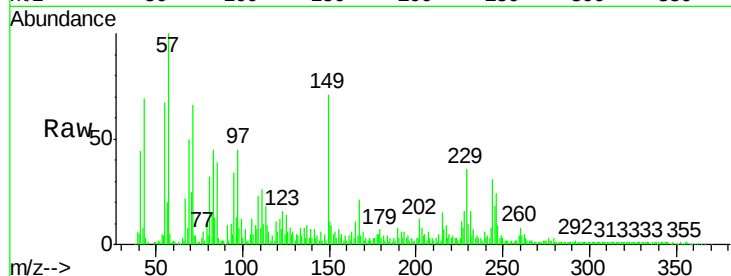
167 29.0 21.2 31.8

279 3.9 2.6 4.0

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#86

Perylene-d12

Concen: 20.00 ng

RT: 17.74 min Scan# 1448

Delta R.T. -0.08 min

Lab File: BF079389.D

Acq: 20 May 2015 20:26

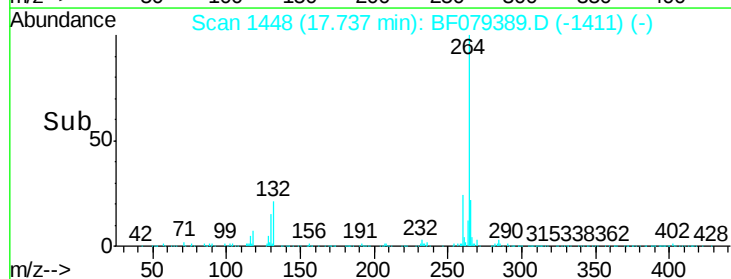
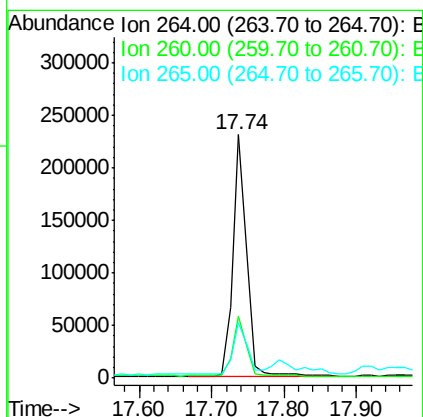
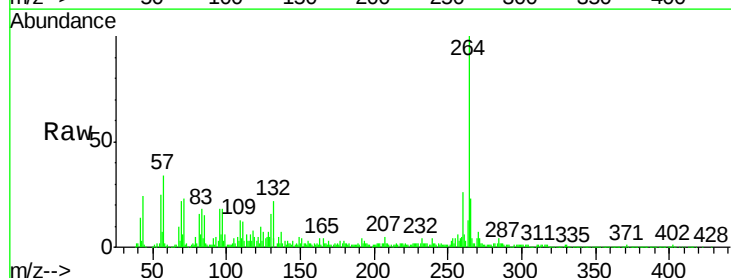
Tgt Ion:264 Resp: 301135

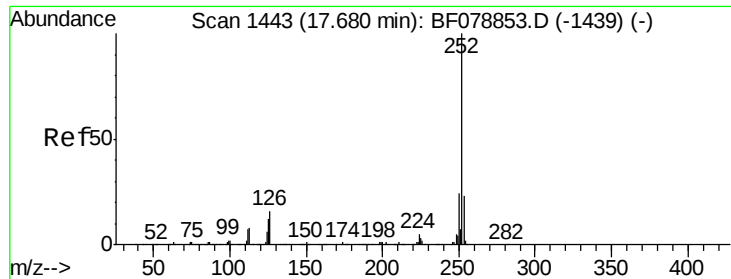
Ion Ratio Lower Upper

264 100

260 25.5 19.2 28.8

265 22.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.37 ng

RT: 17.28 min Scan# 1408

Delta R.T. -0.06 min

Lab File: BF079389.D

Acq: 20 May 2015 20:26

Instrument :

BNA_F

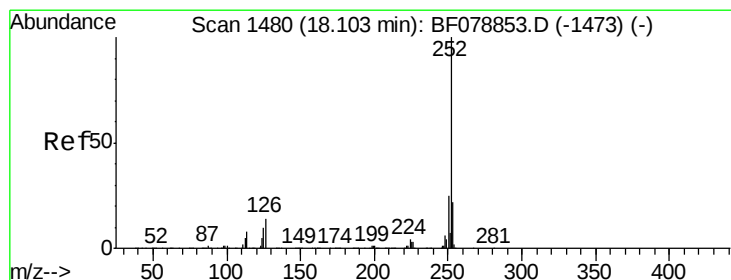
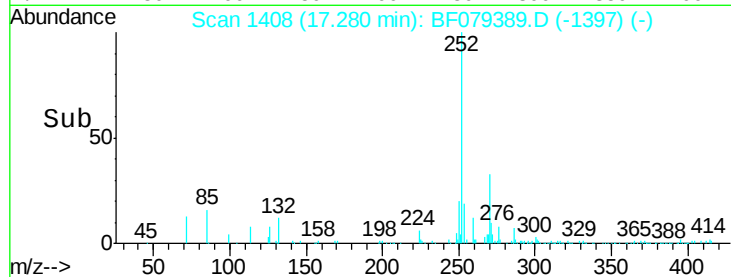
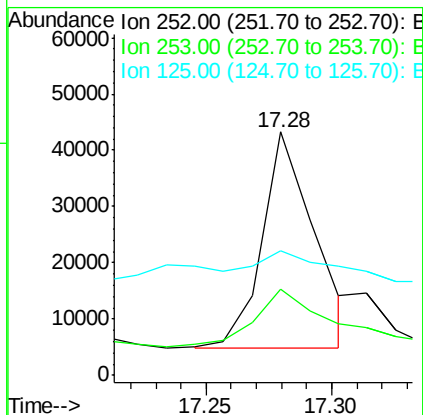
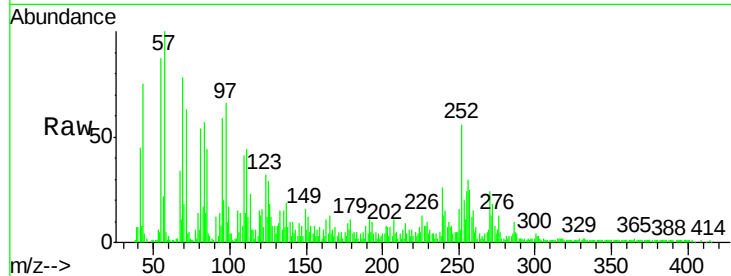
ClientSampled :

2DEPTH

Tot Ion:	252	Resp:	55568
Ion Ratio	Lower	Upper	
252	100		
253	35.2	18.1	27.1#
125	51.1	9.4	14.2#

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#89

Benzo(a)pyrene

Concen: 5.56 ng

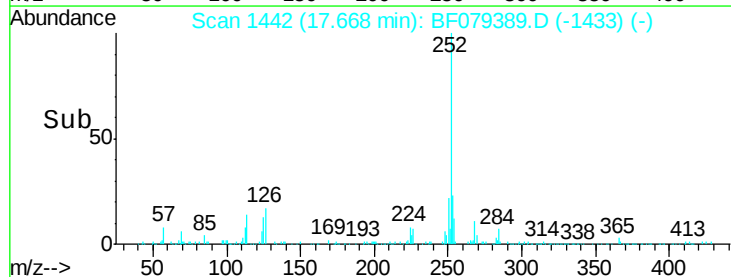
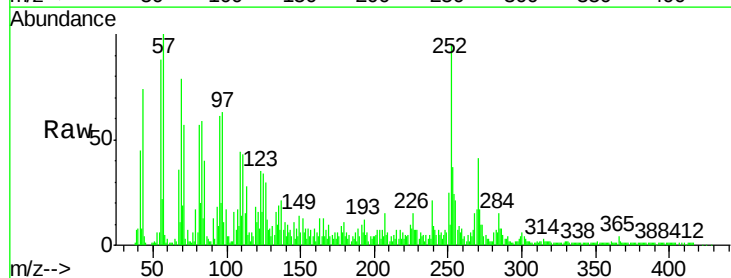
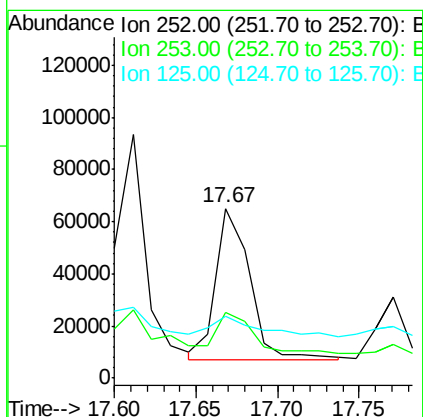
RT: 17.67 min Scan# 1442

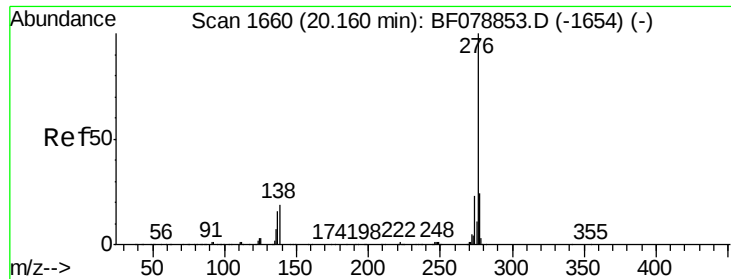
Delta R.T. -0.08 min

Lab File: BF079389.D

Acq: 20 May 2015 20:26

Tgt Ion:	252	Resp:	84408
Ion Ratio	Lower	Upper	
252	100		
253	38.5	18.0	27.0#
125	36.2	8.2	12.2#





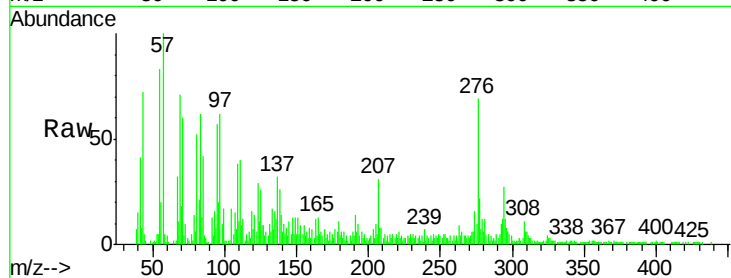
#91
 Benzo(a,h,i)perylene
 Concen: 2.96 ng
 RT: 19.50 min Scan# 1602
 Delta R.T. -0.11 min
 Lab File: BF079389.D
 Acq: 20 May 2015 20:26

Instrument :
 BNA_F
 ClientSampleId :
 2DEPTH

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	31.9	18.8	28.2#
138	37.6	15.2	22.8#

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

