

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
 Data File : BF079390.D
 Acq On : 20 May 2015 20:55
 Operator : TP/IZ
 Sample : G2303-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4DEPTH

Manual Integrations
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Quant Time: May 21 03:34:08 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	72202	20.00	ng	0.00
21) Naphthalene-d8	8.66	136	299837	20.00	ng	0.00
38) Acenaphthene-d10	10.83	164	150894	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	277038	20.00	ng	0.00
75) Chrysene-d12	15.98	240	283201	20.00	ng	0.00
86) Perylene-d12	17.79	264	282846	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	402533m	95.97	ng	0.00
7) Phenol-d6	6.66	99	519472m	93.69	ng	0.00
23) Nitrobenzene-d5	7.78	82	294860	56.52	ng	0.00
41) 2,4,6-Tribromophenol	11.82	330	163527	100.18	ng	0.00
44) 2-Fluorobiphenyl	10.01	172	577730	53.34	ng	0.00
78) Terphenyl-d14	14.67	244	633660	53.57	ng	0.00
Target Compounds						
32) Benzoic acid	8.36	122	5869	8.21	ng	Qvalue 91
49) Dimethylphthalate	10.52	163	73051	6.60	ng	99
70) Phenanthrene	12.71	178	158489	10.23	ng	97
72) Carbazole	12.98	167	30282	2.09	ng	# 72
74) Fluoranthene	14.18	202	106073	6.57	ng	96
77) Pyrene	14.46	202	280632	17.20	ng	# 91
80) Benzo(a)anthracene	15.97	228	118995	7.67	ng	# 72
82) Chrysene	16.01	228	149118	10.00	ng	# 83
83) Bis(2-ethylhexyl)phthalate	16.03	149	187224	17.33	ng	98
87) Benzo(b)fluoranthene	17.33	252	76809m	4.96	ng	
89) Benzo(a)pyrene	17.73	252	63572	4.46	ng	# 43
91) Benzo(a,h,i)perylene	19.58	276	53444	3.52	ng	# 60

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

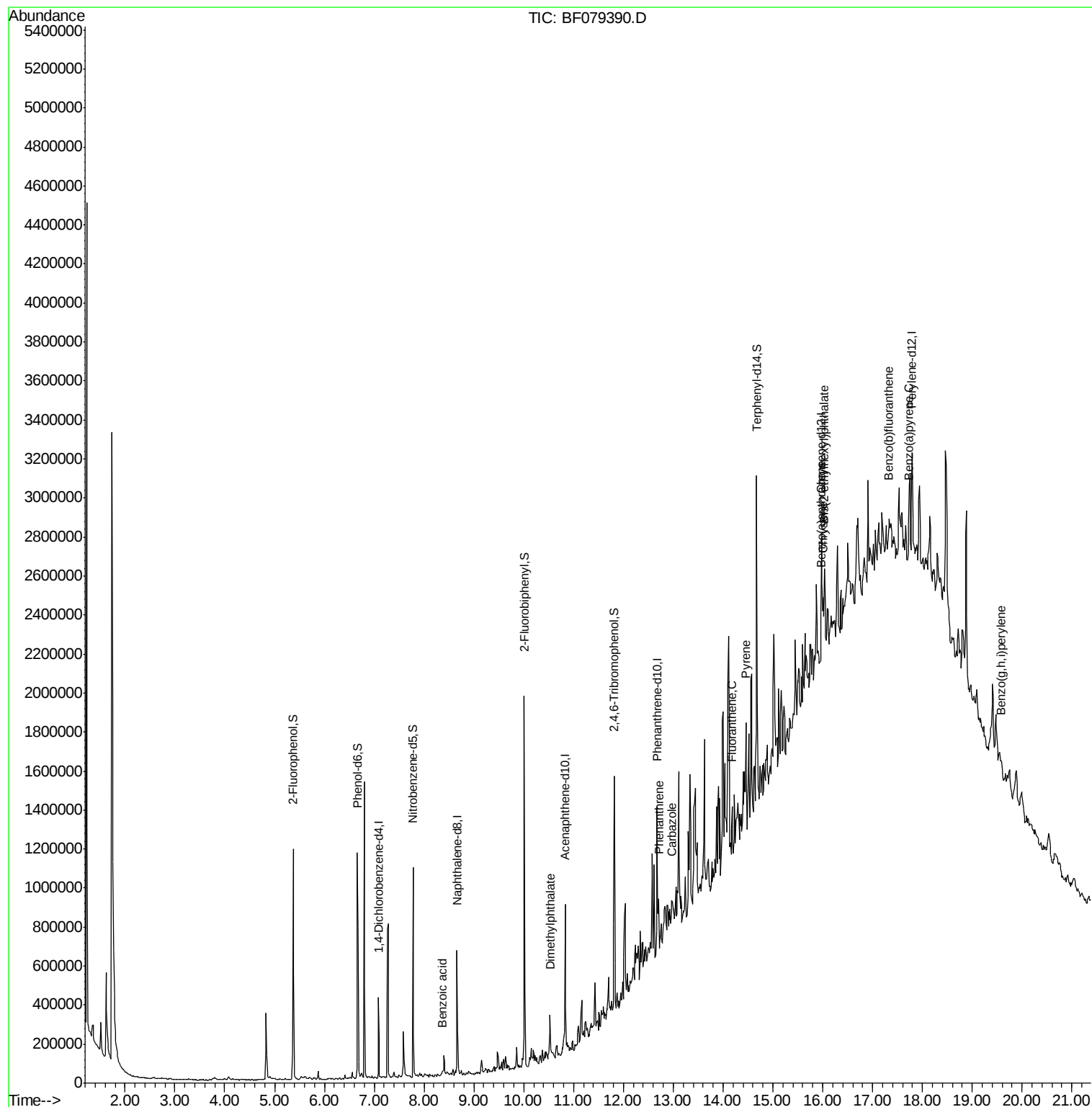
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
Data File : BF079390.D
Acq On : 20 May 2015 20:55
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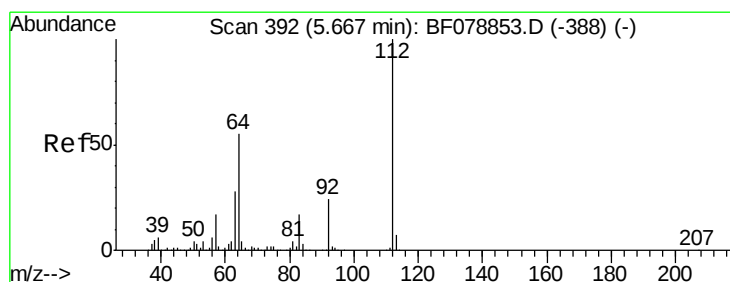
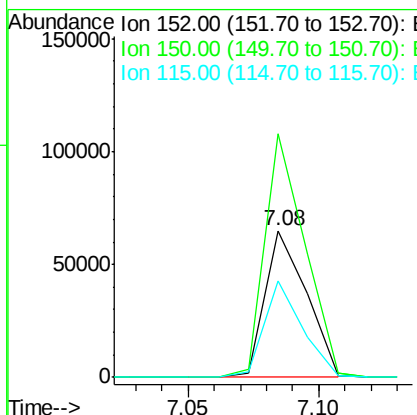
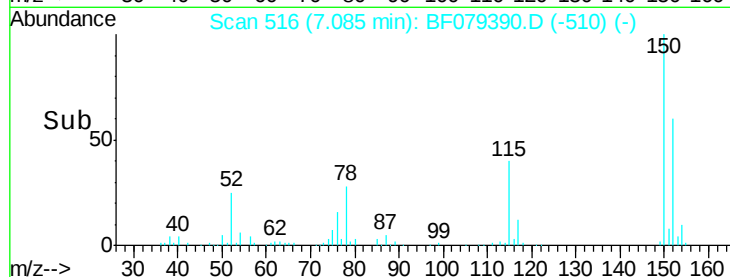
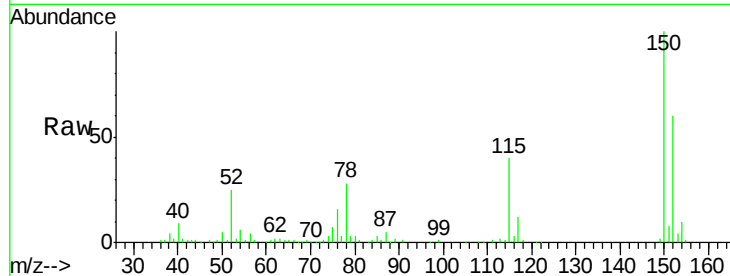
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.08 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: BF079390.D
 Acq: 20 May 2015 20:55

Instrument :
 BNA_F
 ClientSampleId :
 4DEPTH

Tot Ion:	152	Resp:	72202
Ion Ratio	Lower	Upper	
152	100		
150	165.9	123.8	185.8
115	66.1	49.4	74.0

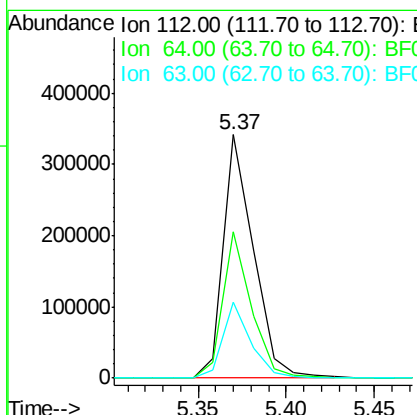
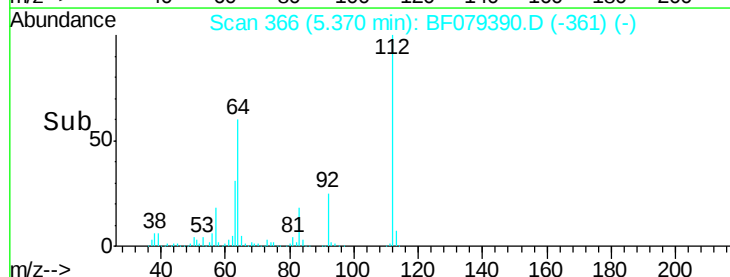
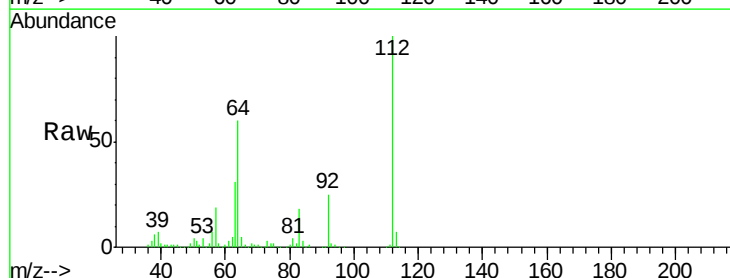
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#5
 2-Fluorophenol
 Concen: 95.97 ng m
 RT: 5.37 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: BF079390.D
 Acq: 20 May 2015 20:55

Tgt Ion:	112	Resp:	402533
Ion Ratio	Lower	Upper	
112	100		
64	60.0	44.2	66.2
63	31.0	22.7	34.1





#7

Phenol-d6

Concen: 93.69 ng/mL

RT: 6.66 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Instrument :

BNA_F

ClientSampled :

4DEPTH

Tot Ion: 99 Resp: 519472

Ion Ratio Lower Upper

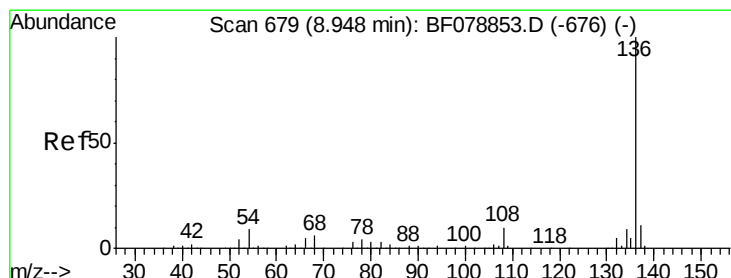
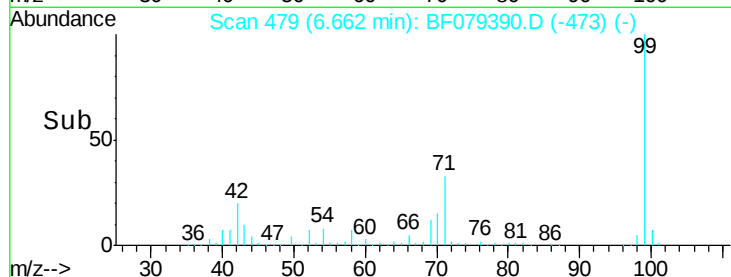
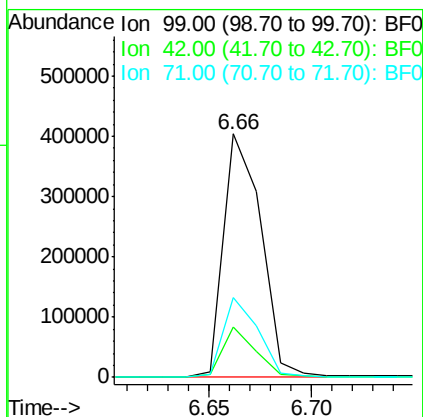
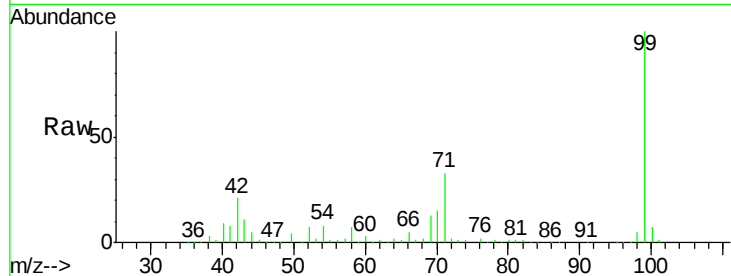
99 100

42 20.6 17.1 25.7

71 33.0 26.3 39.5

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

RT: 8.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Tgt Ion: 136 Resp: 299837

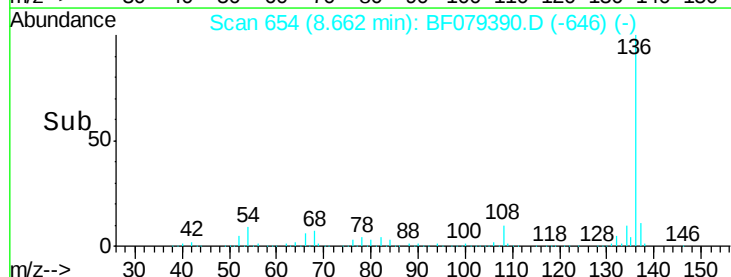
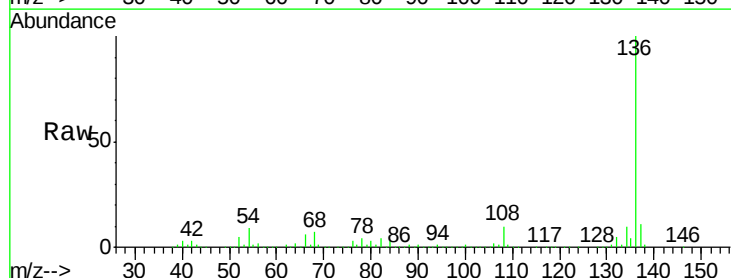
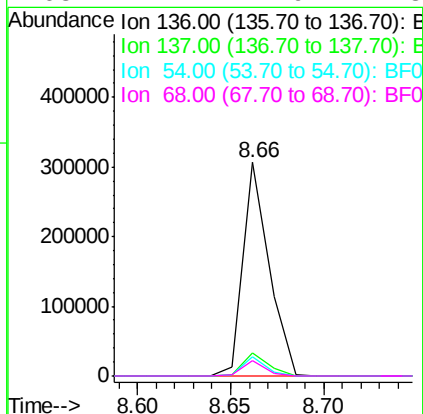
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.9 6.9 10.3

68 7.2 4.9 7.3





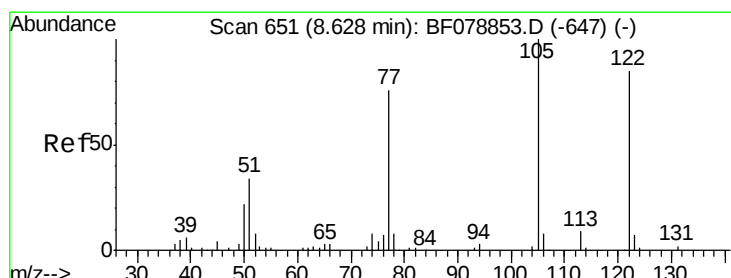
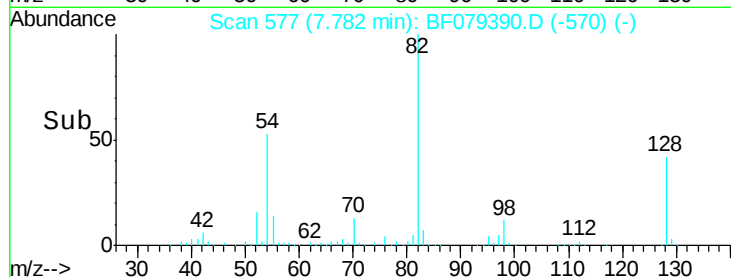
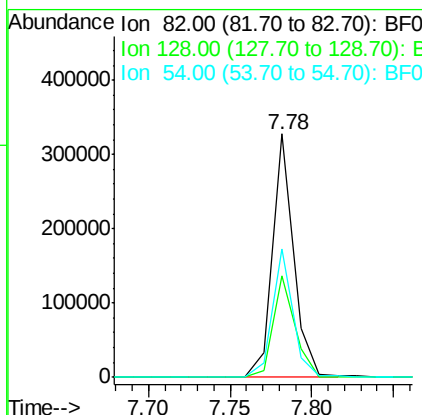
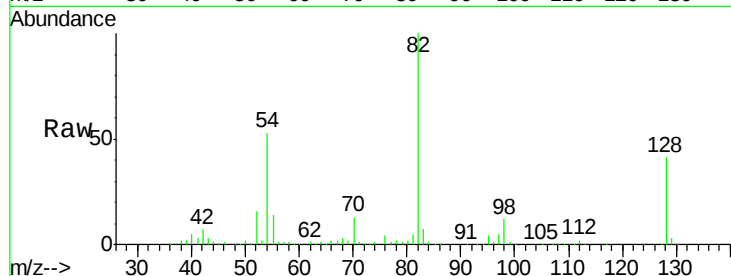
#23
 Nitrobenzene-d5
 Concen: 56.52 ng
 RT: 7.78 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF079390.D
 Acq: 20 May 2015 20:55

Instrument :
 BNA_F
 ClientSampleId :
 4DEPTH

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.4	29.7	44.5	
54	52.8	46.2	69.4	

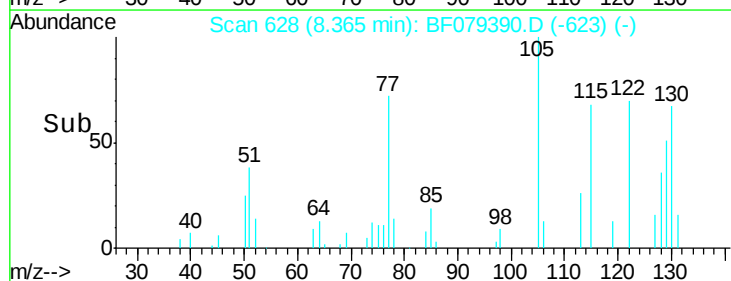
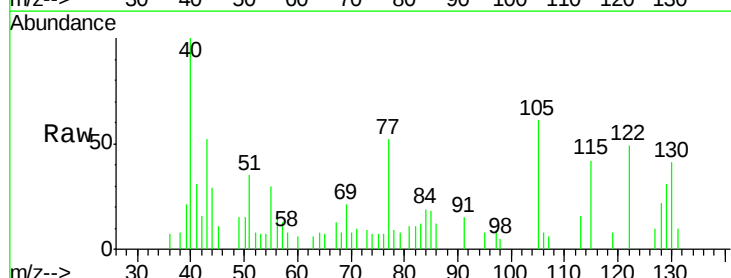
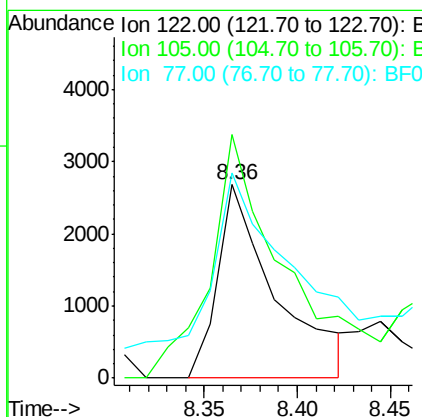
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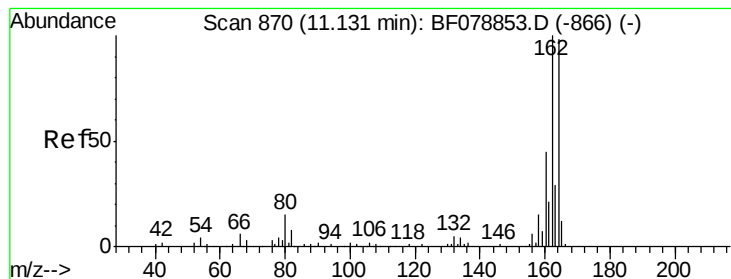
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#32
 Benzoic acid
 Concen: 8.21 ng
 RT: 8.36 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF079390.D
 Acq: 20 May 2015 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	125.9	100.7	140.7	
77	106.0	72.0	112.0	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.83 min Scan# 844

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Instrument :

BNA_F

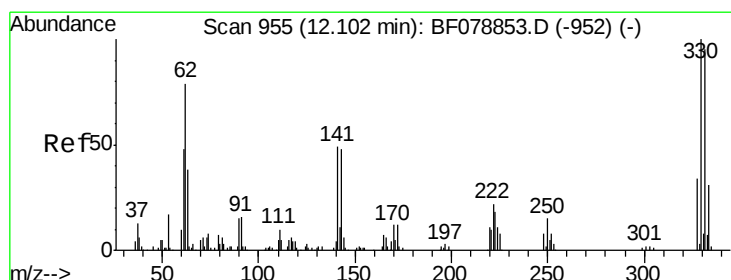
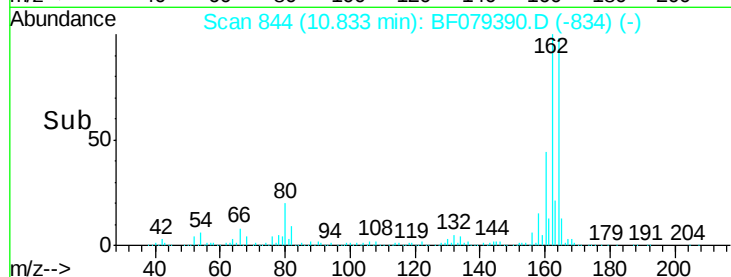
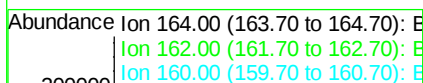
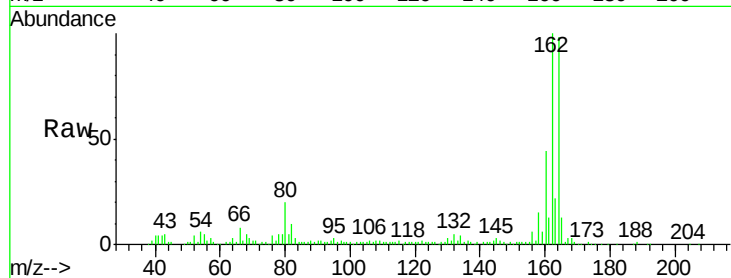
ClientSampleId :

4DEPTH

Tot Ion:	164	Resp:	150894
Ion Ratio	Lower	Upper	
164	100		
162	101.8	81.4	122.0
160	45.1	36.6	54.8

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#41

2,4,6-Tribromophenol

Concen: 100.18 ng

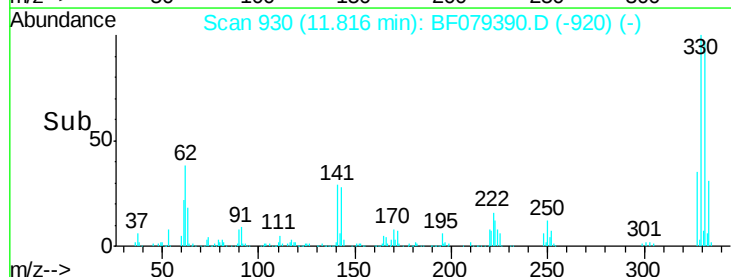
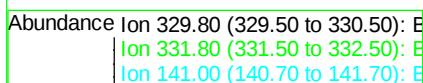
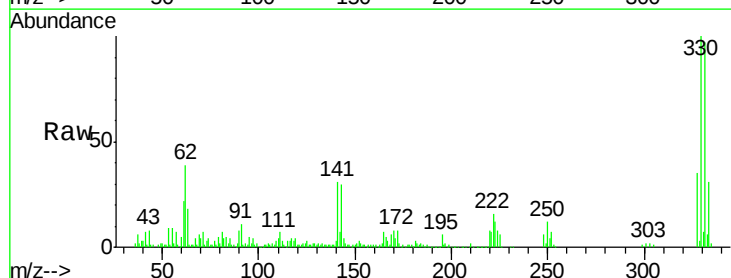
RT: 11.82 min Scan# 930

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Tgt Ion:	330	Resp:	163527
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.9	115.3
141	34.0	27.8	41.8





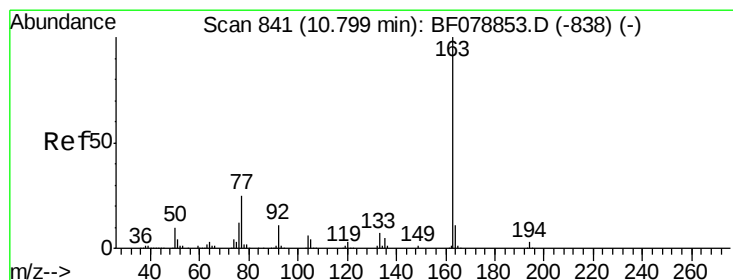
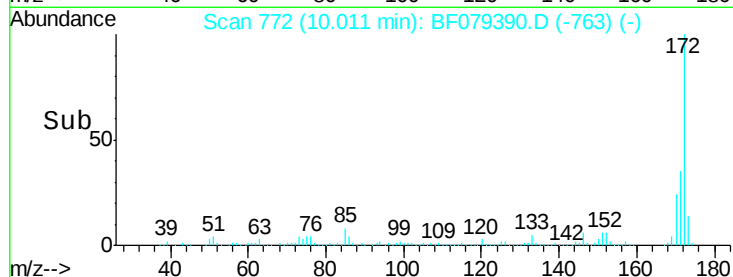
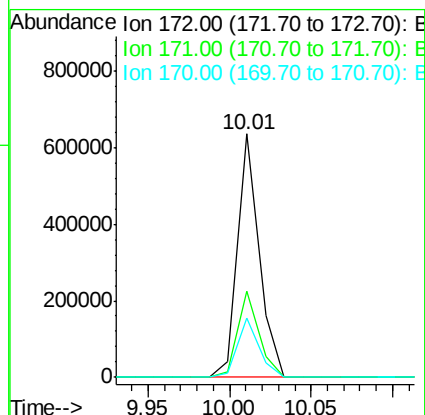
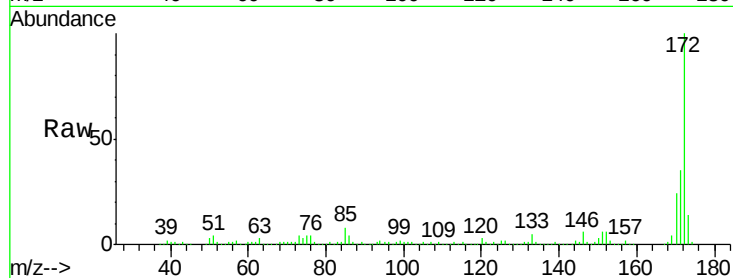
#44
2-Fluorobiphenyl
Concen: 53.34 ng
RT: 10.01 min Scan# 772
Delta R.T. -0.00 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Instrument :
BNA_F
ClientSampleId :
4DEPTH

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.4	28.3	42.5
170	24.2	19.4	29.2

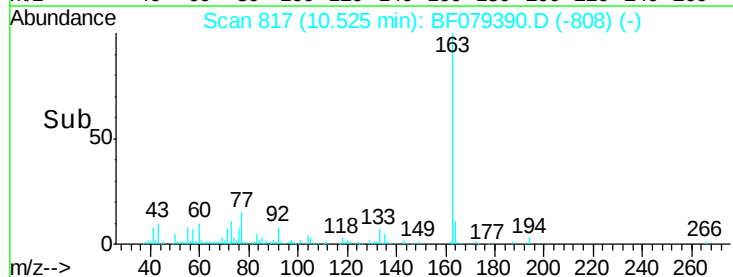
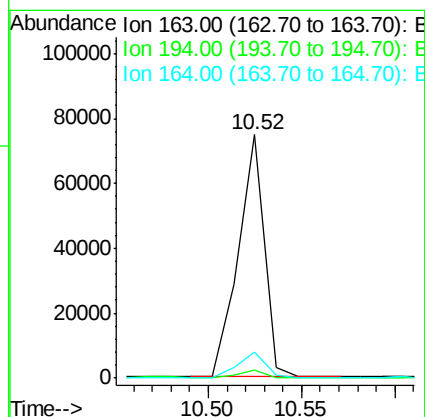
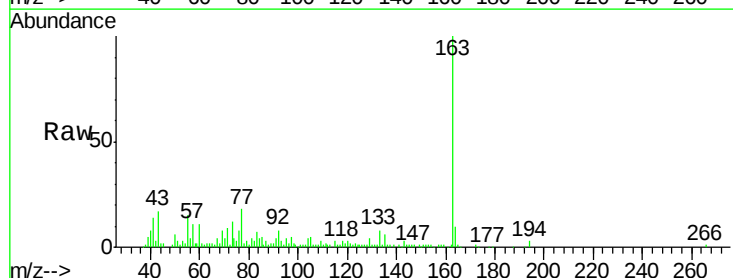
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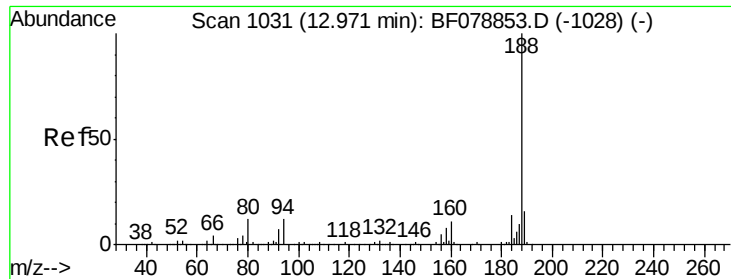
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#49
Dimethylphthalate
Concen: 6.60 ng
RT: 10.52 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.5	2.4	3.6
164	10.5	8.6	12.8





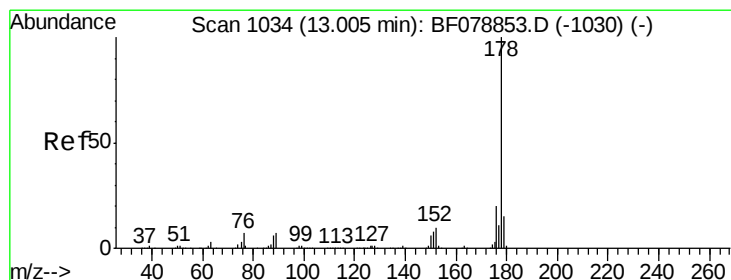
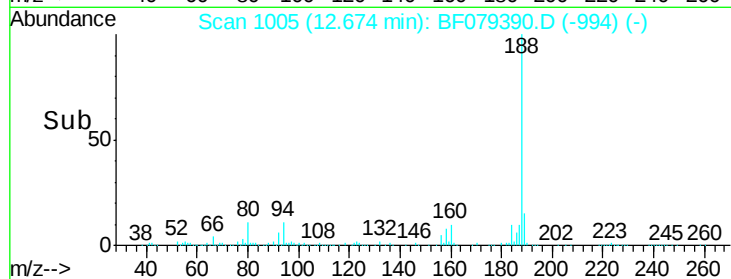
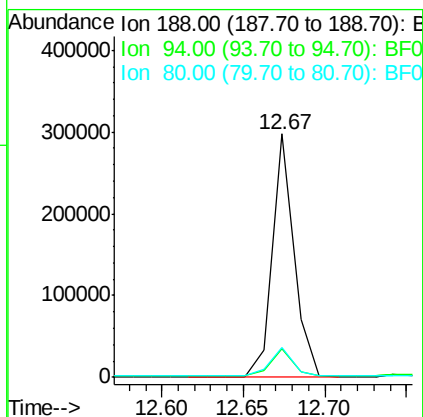
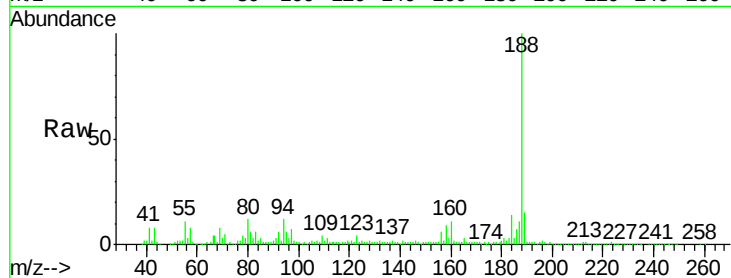
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.67 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Instrument :
BNA_F
ClientSampleId :
4DEPTH

Tot Ion	Ratio	Resp	Lower	Upper
188	100	277038		
94	11.6		9.4	14.0
80	12.2		9.8	14.6

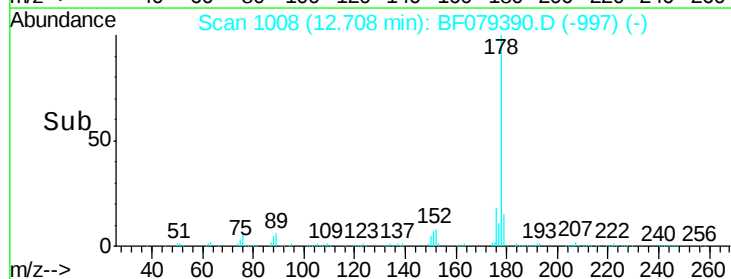
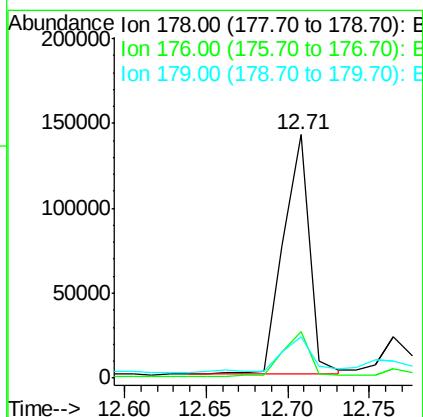
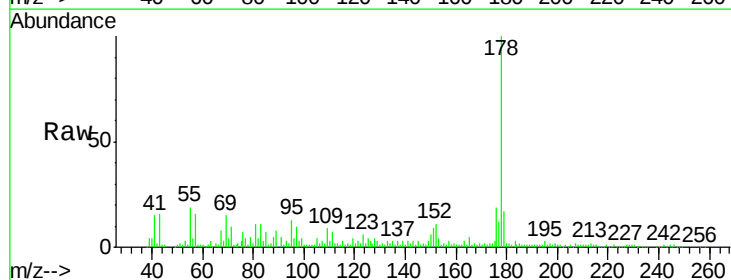
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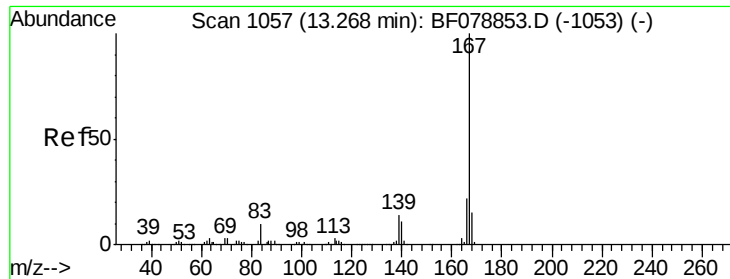
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#70
Phenanthrene
Concen: 10.23 ng
RT: 12.71 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	158489		
176	18.9		15.9	23.9
179	17.1		12.2	18.4





#72

Carbazole

Concen: 2.09 ng

RT: 12.98 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Instrument :

BNA_F

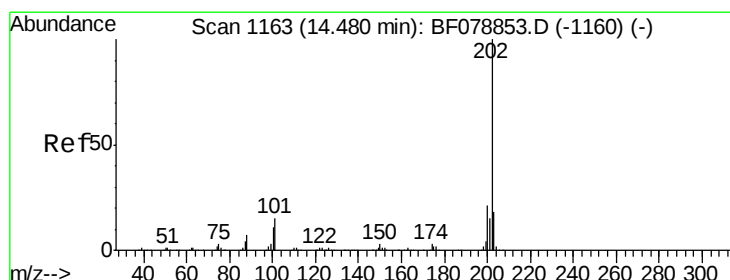
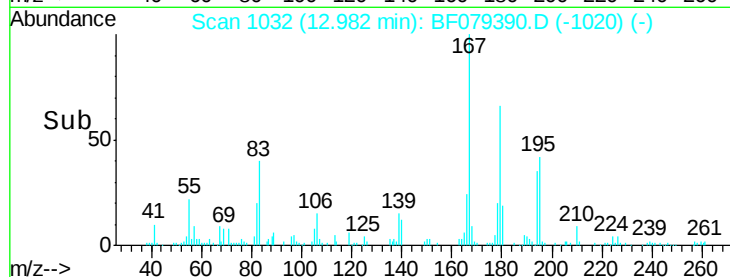
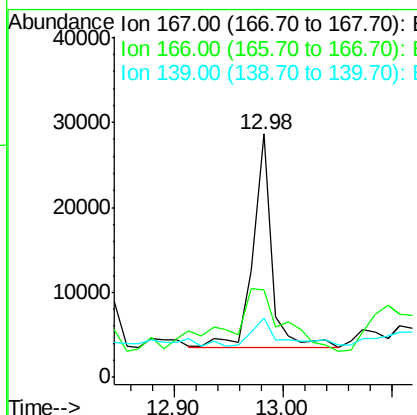
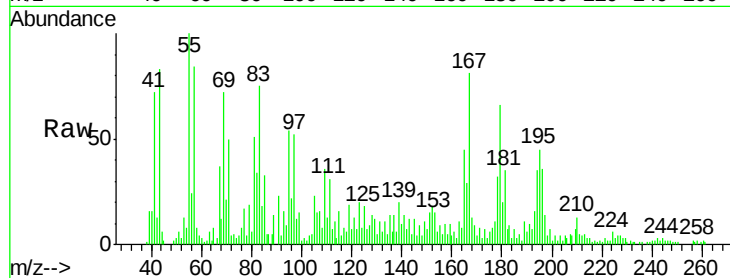
ClientSampleId :

4DEPTH

Tot Ion:	167	Resp:	30282
Ion Ratio	Lower	Upper	
167	100		
166	35.8	17.5	26.3#
139	24.5	11.0	16.4#

Manual Integrations
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#74

Fluoranthene

Concen: 6.57 ng

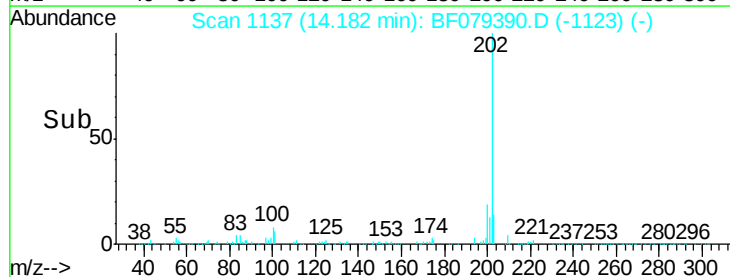
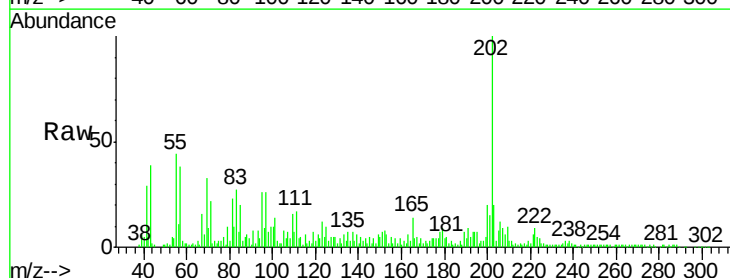
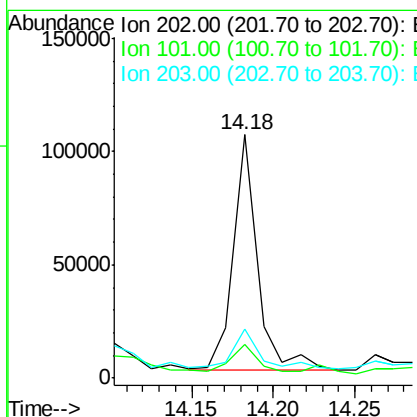
RT: 14.18 min Scan# 1137

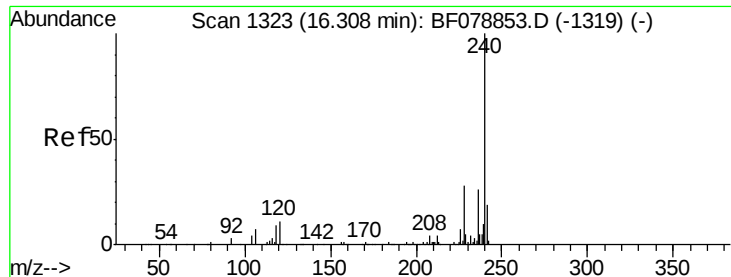
Delta R.T. 0.01 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Tgt Ion:	202	Resp:	106073
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	34.7
203	19.9	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.98 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Instrument :

BNA_F

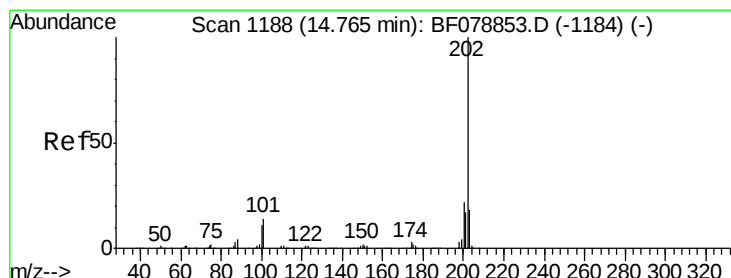
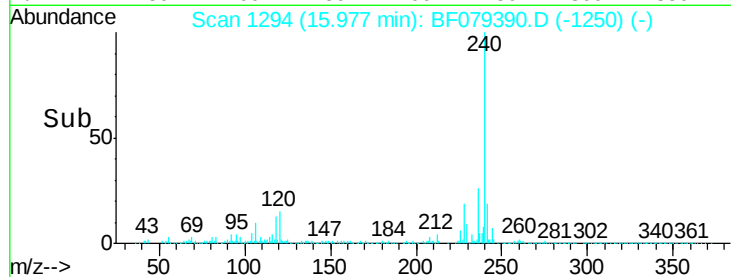
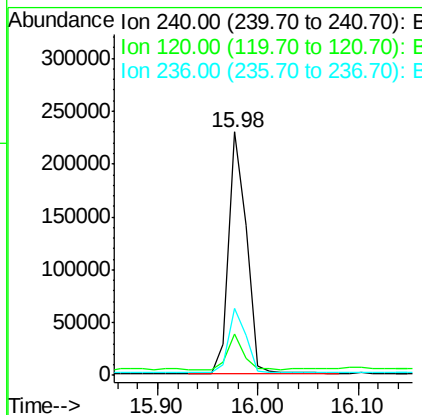
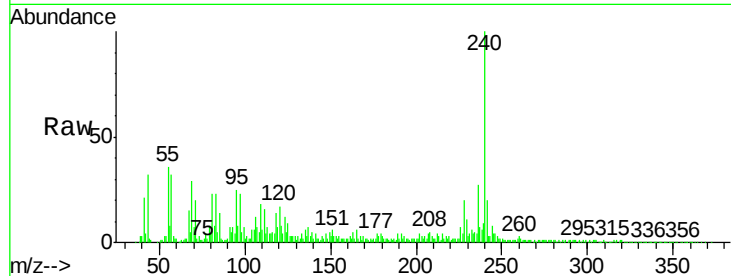
ClientSampleId :

4DEPTH

Tot Ion:	240	Resp:	283201
Ion Ratio	Lower	Upper	
240	100		
120	17.0	8.6	12.8#
236	27.3	21.0	31.6

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#77

Pyrene

Concen: 17.20 ng

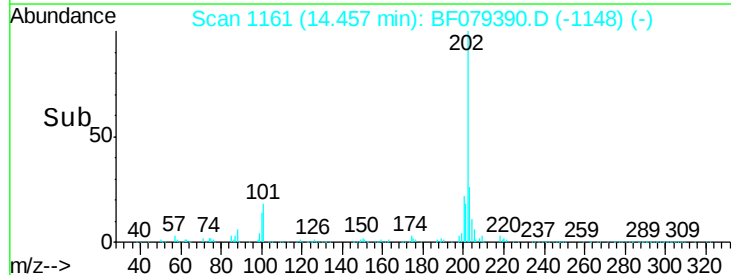
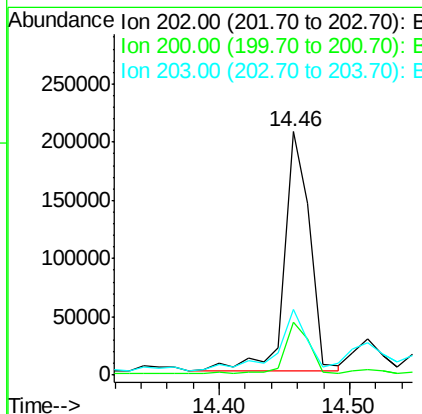
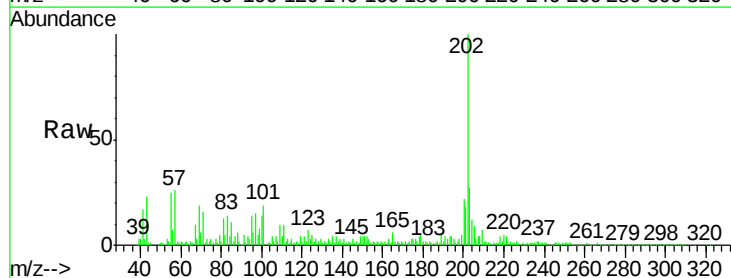
RT: 14.46 min Scan# 1161

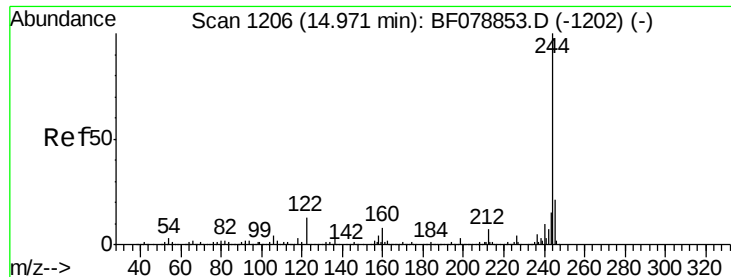
Delta R.T. -0.00 min

Lab File: BF079390.D

Acq: 20 May 2015 20:55

Tgt Ion:	202	Resp:	280632
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.5	26.3
203	27.0	14.7	22.1#





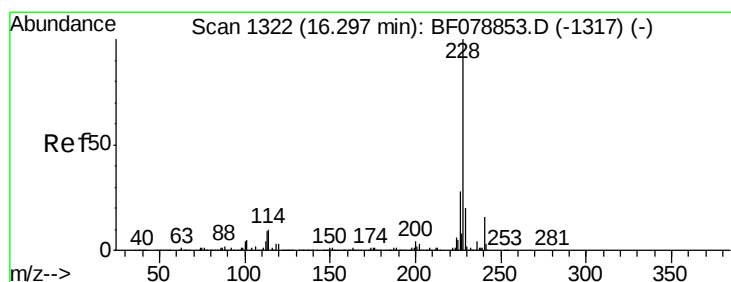
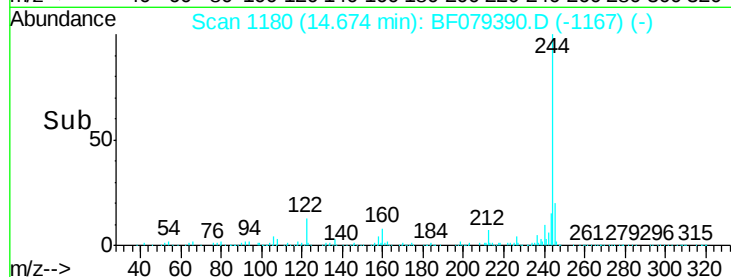
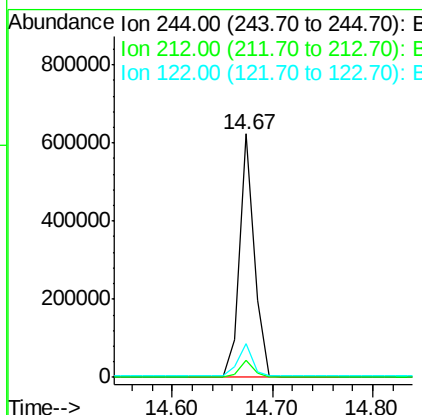
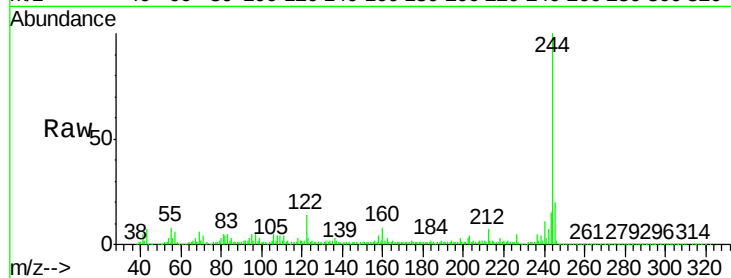
#78
 Terphenyl-d14
 Concen: 53.57 ng
 RT: 14.67 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF079390.D
 Acq: 20 May 2015 20:55

Instrument :
 BNA_F
 ClientSampleId :
 4DEPTH

Tot Ion	Ratio	Resp	Lower	Upper
244	100	633660		
212	6.8		5.6	8.4
122	13.7		10.5	15.7

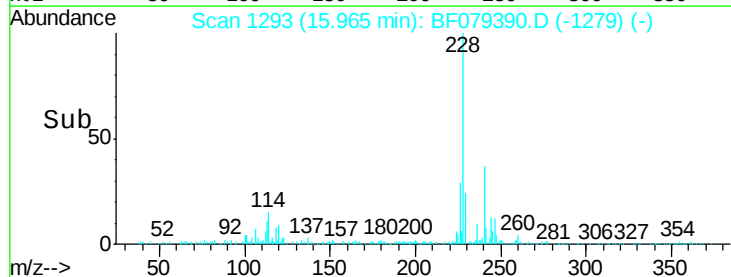
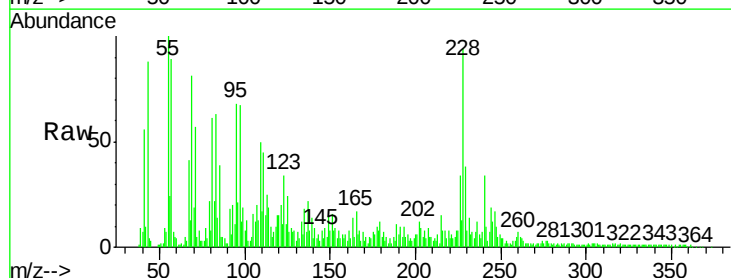
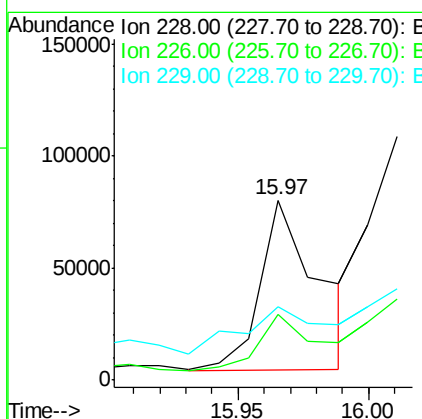
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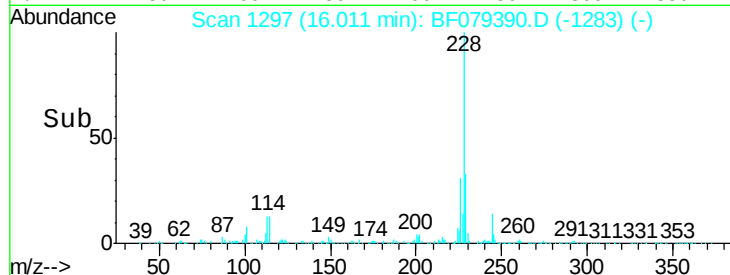
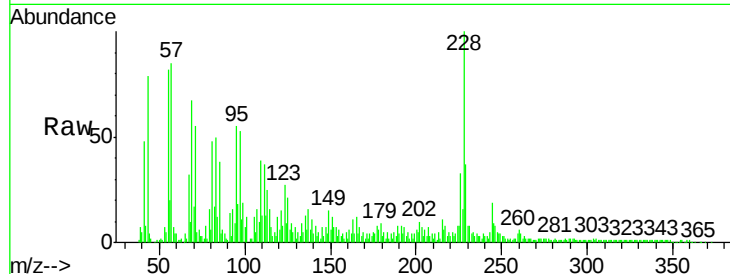
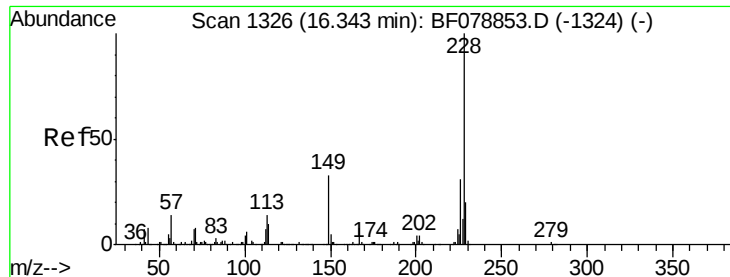
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#80
 Benzo(a)anthracene
 Concen: 7.67 ng
 RT: 15.97 min Scan# 1293
 Delta R.T. -0.00 min
 Lab File: BF079390.D
 Acq: 20 May 2015 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	118995		
226	36.3		22.3	33.5#
229	40.7		16.1	24.1#





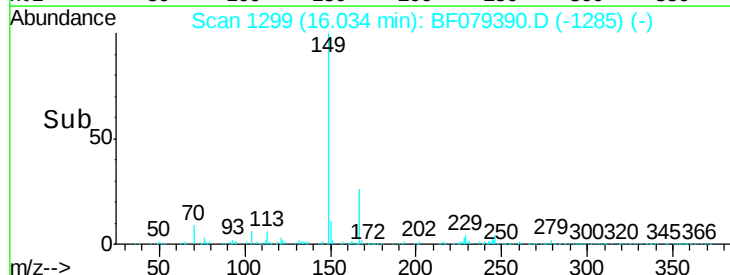
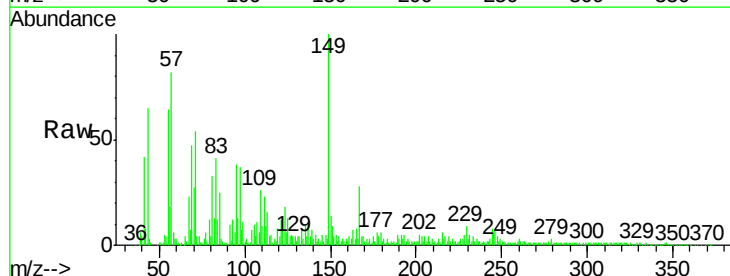
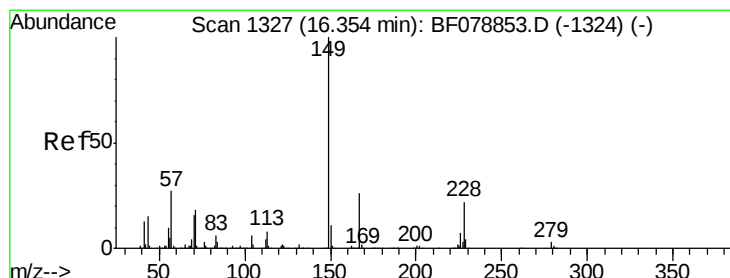
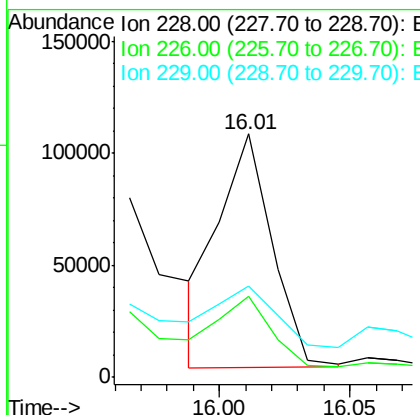
#82
Chrysene
Concen: 10.00 ng
RT: 16.01 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Instrument :
BNA_F
ClientSampleId :
4DEPTH

Tot Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	33.3	24.8	37.2
229	37.5	16.1	24.1

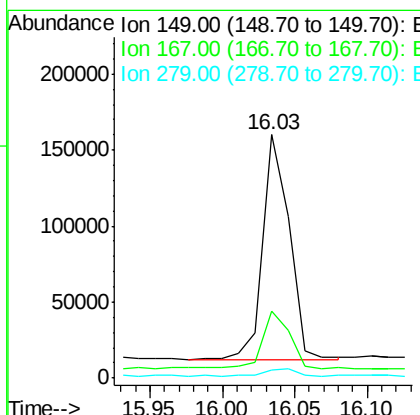
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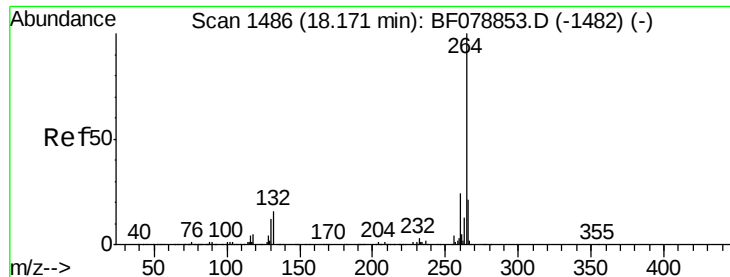
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#83
Bis(2-ethylhexyl)phthalate
Concen: 17.33 ng
RT: 16.03 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	27.6	21.2	31.8
279	3.2	2.6	4.0





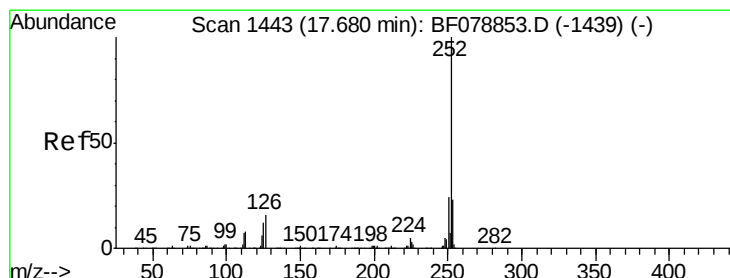
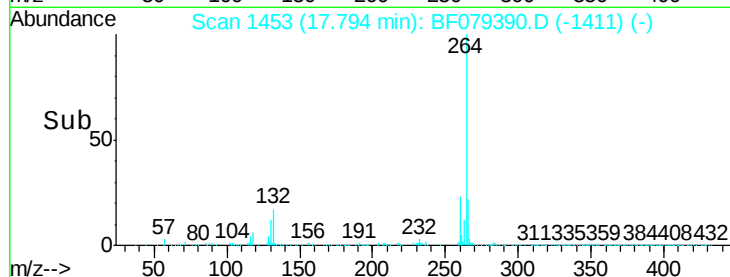
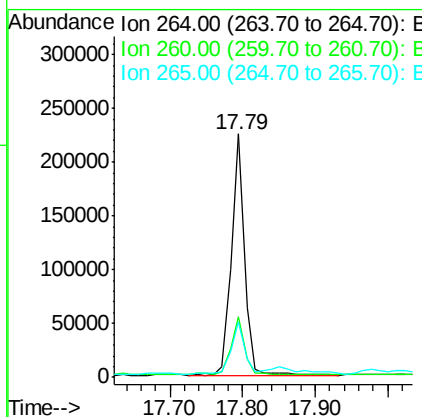
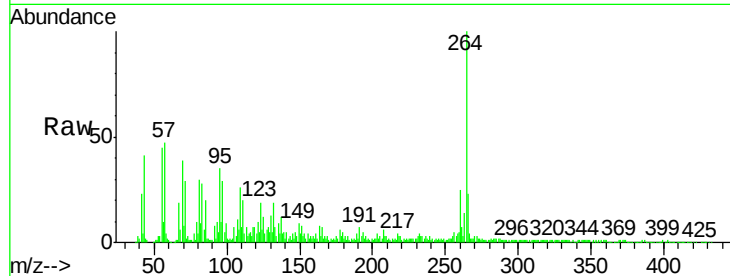
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.79 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Instrument :
BNA_F
ClientSampleId :
4DEPTH

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.9	17.2	25.8

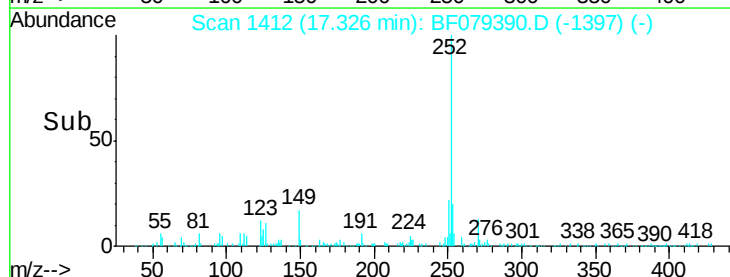
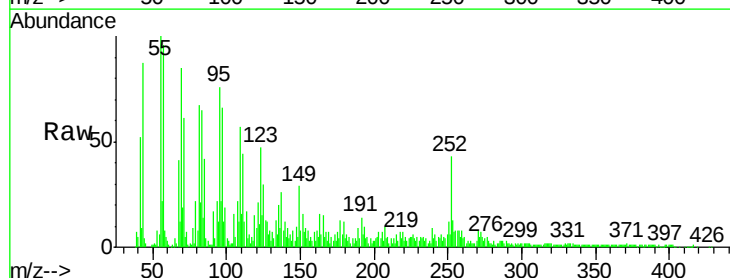
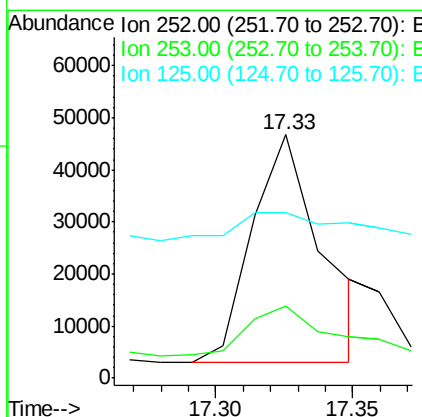
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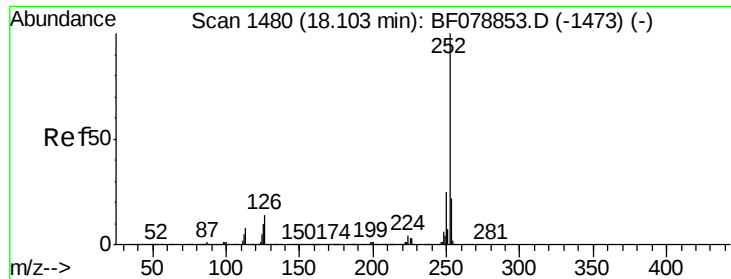
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#87
Benzo(b)fluoranthene
Concen: 4.96 ng m
RT: 17.33 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.6	18.1	27.1#
125	68.3	9.4	14.2#





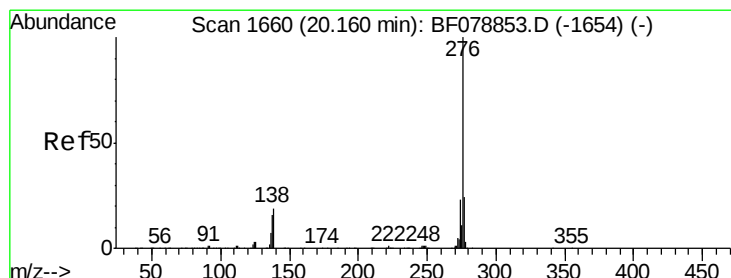
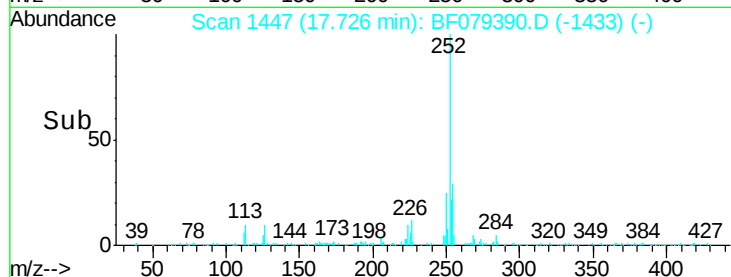
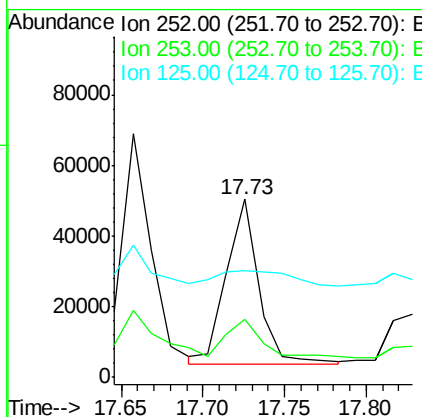
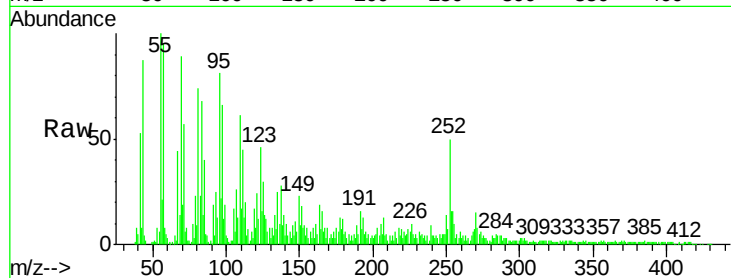
#89
Benzo(a)pyrene
Concen: 4.46 ng
RT: 17.73 min Scan# 1447
Delta R.T. -0.02 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Instrument :
BNA_F
ClientSampleId :
4DEPTH

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.9	18.0	27.0#
125	60.0	8.2	12.2#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.52 ng
RT: 19.58 min Scan# 1609
Delta R.T. -0.03 min
Lab File: BF079390.D
Acq: 20 May 2015 20:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.9	18.8	28.2#
138	47.0	15.2	22.8#

