

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
 Data File : BF079395.D
 Acq On : 20 May 2015 23:18
 Operator : TP/IZ
 Sample : G2314-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC051915-SOIL

Manual Integrations
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Quant Time: May 21 04:07:55 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	7.08	152	71299m	20.00	ng	-0.05
21) Naphthalene-d8	8.66	136	291769	20.00	ng	-0.05
38) Acenaphthene-d10	10.83	164	145749	20.00	ng	-0.05
63) Phenanthrene-d10	12.67	188	286698	20.00	ng	-0.05
75) Chrysene-d12	15.97	240	301922	20.00	ng	-0.06
86) Perylene-d12	17.73	264	311969	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	296113m	71.49	ng	-0.03
7) Phenol-d6	6.67	99	382975m	69.95	ng	-0.03
23) Nitrobenzene-d5	7.78	82	205265	40.43	ng	-0.05
41) 2,4,6-Tribromophenol	11.82	330	111782	70.89	ng	-0.05
44) 2-Fluorobiphenyl	10.01	172	451882	43.20	ng	-0.05
78) Terphenyl-d14	14.67	244	557708	44.22	ng	-0.05
Target Compounds						
49) Dimethylphthalate	10.52	163	30035	2.81	ng	Qvalue 100
70) Phenanthrene	12.71	178	66255	4.13	ng	97
71) Anthracene	12.77	178	32493	2.07	ng	97
74) Fluoranthene	14.18	202	170827	10.22	ng	94
77) Pyrene	14.46	202	179342	10.31	ng	98
80) Benzo(a)anthracene	15.95	228	103973m	6.29	ng	
82) Chrysene	16.00	228	107316m	6.75	ng	
85) Indeno(1,2,3-cd)pyrene	19.09	276	74870	3.70	ng	98
87) Benzo(b)fluoranthene	17.27	252	156027m	9.14	ng	
88) Benzo(k)fluoranthene	17.30	252	39730m	2.40	ng	
89) Benzo(a)pyrene	17.66	252	102313	6.51	ng	# 95
91) Benzo(a,h,i)perylene	19.49	276	76174	4.55	ng	# 95

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

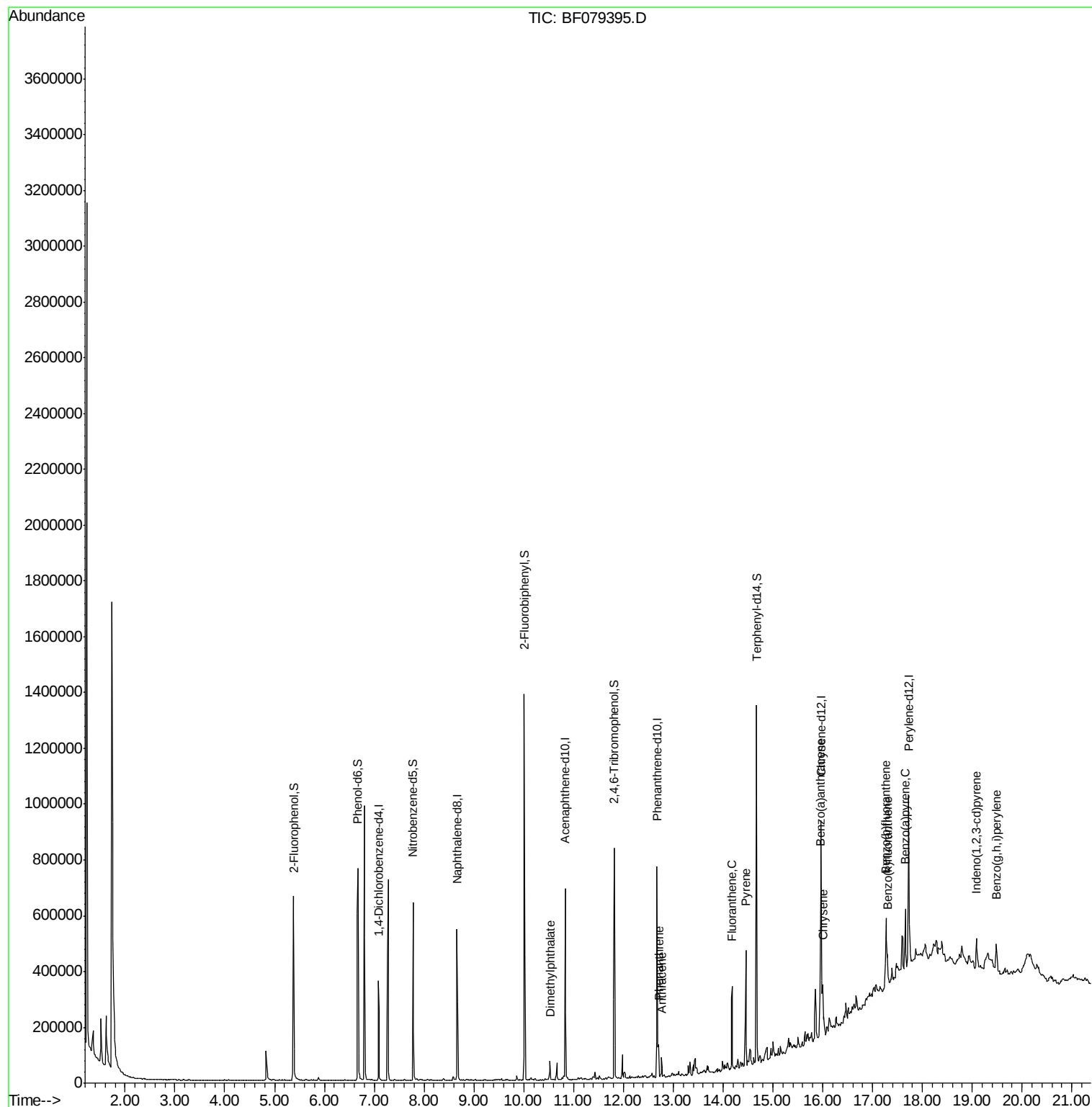
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
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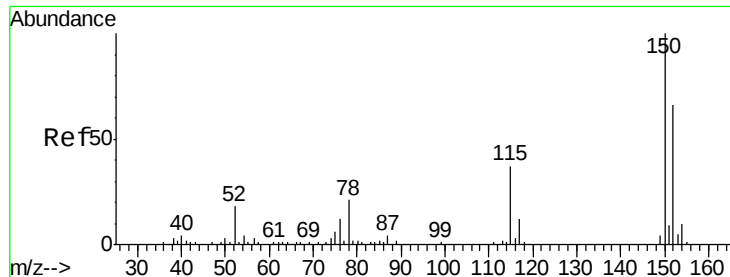
Instrument :
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Quant Time: May 21 04:07:55 2015
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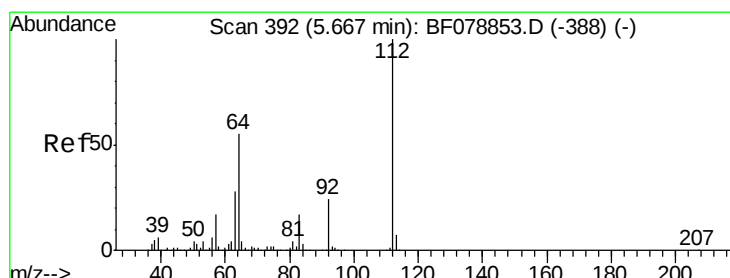
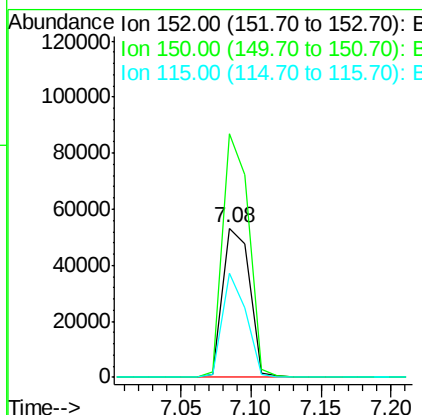
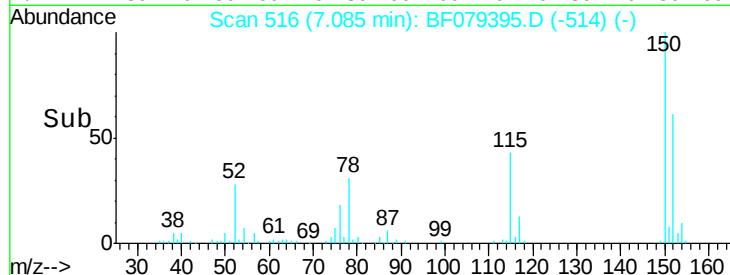
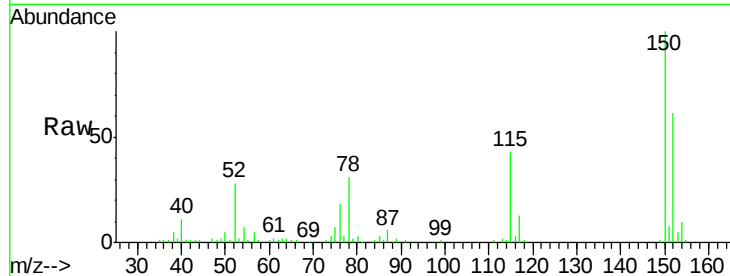
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 7.08 min Scan# 516
 Delta R.T. -0.05 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

Instrument :
 BNA_F
 ClientSampleId :
 WC051915-SOIL

Tot Ion:	152	Resp:	71299
Ion Ratio	Lower	Upper	
152	100		
150	163.4	123.8	185.8
115	70.2	49.4	74.0

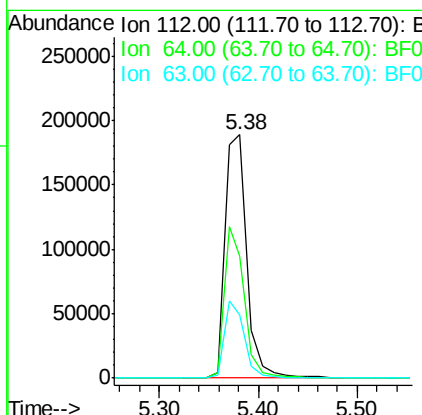
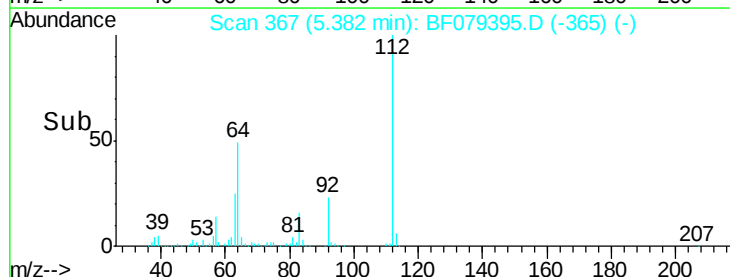
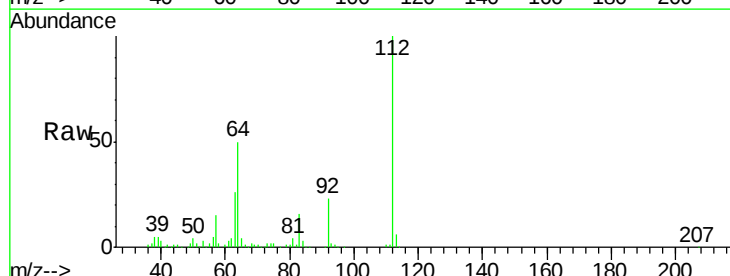
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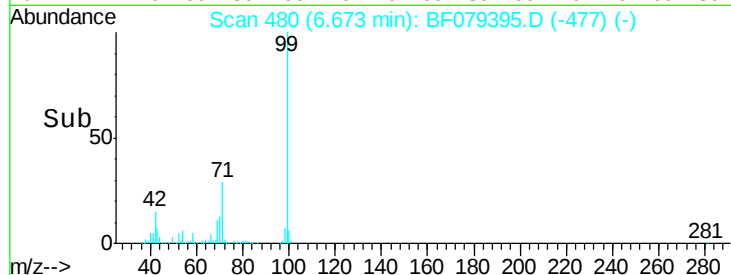
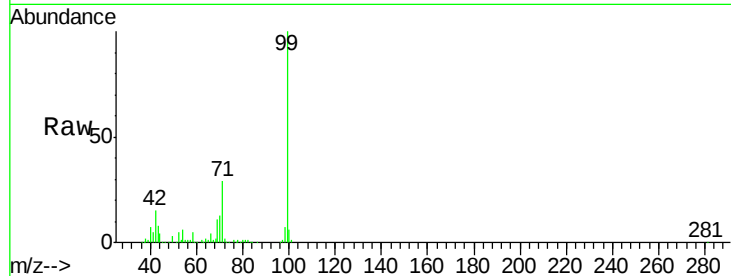
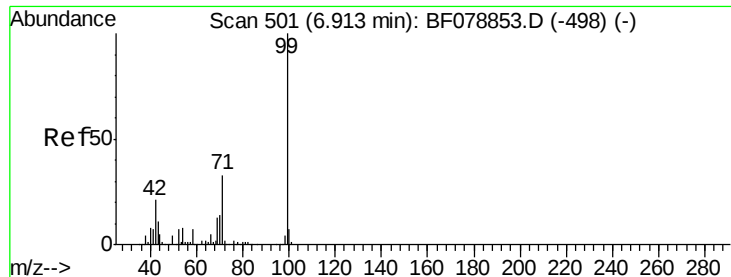
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#5
 2-Fluorophenol
 Concen: 71.49 ng m
 RT: 5.38 min Scan# 367
 Delta R.T. -0.03 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

Tgt Ion:	112	Resp:	296113
Ion Ratio	Lower	Upper	
112	100		
64	50.1	44.2	66.2
63	25.9	22.7	34.1





#7

Phenol-d6

Concen: 69.95 ng/mL

RT: 6.67 min Scan# 480

Delta R.T. -0.03 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Tot Ion:	99	Resp:	382975
Ion Ratio	Lower	Upper	
99	100		
42	14.8	17.1	25.7#
71	28.7	26.3	39.5

Instrument :

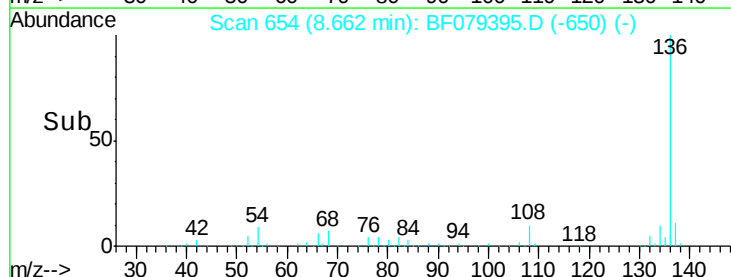
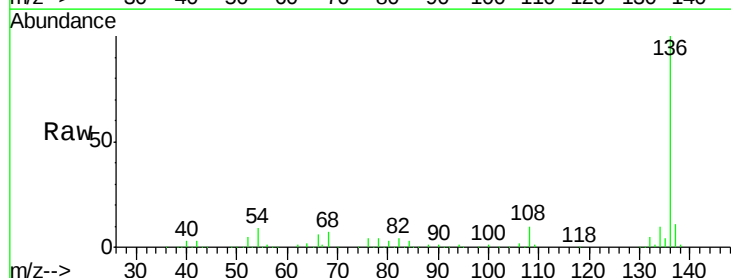
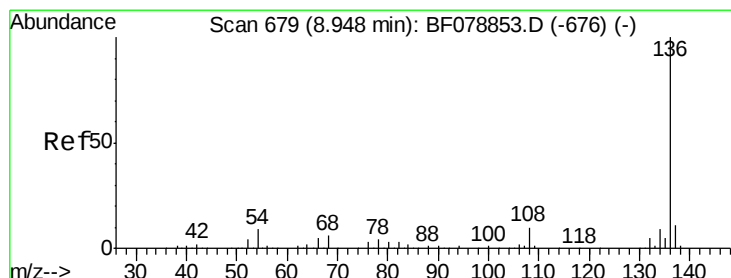
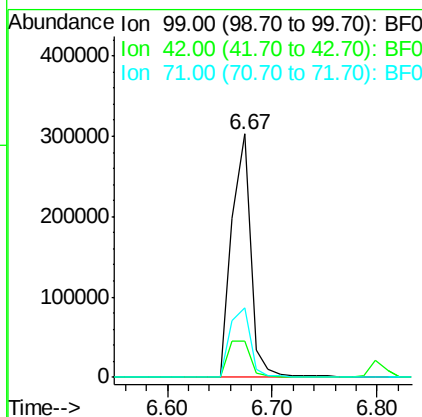
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ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.00 ng

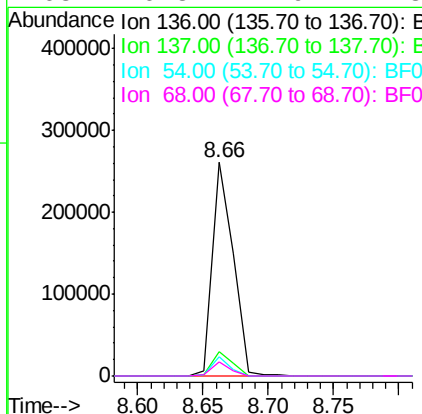
RT: 8.66 min Scan# 654

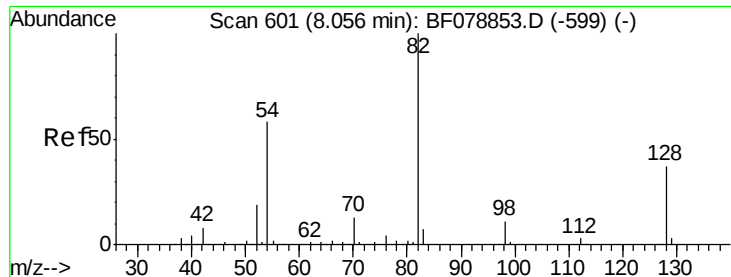
Delta R.T. -0.05 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Tgt Ion:	136	Resp:	291769
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	9.2	6.9	10.3
68	6.8	4.9	7.3





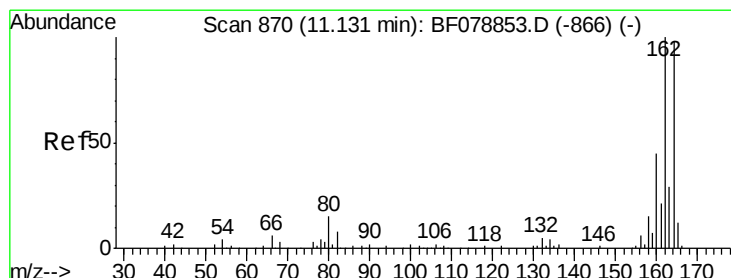
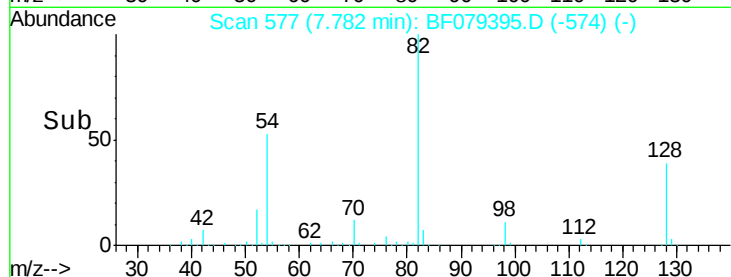
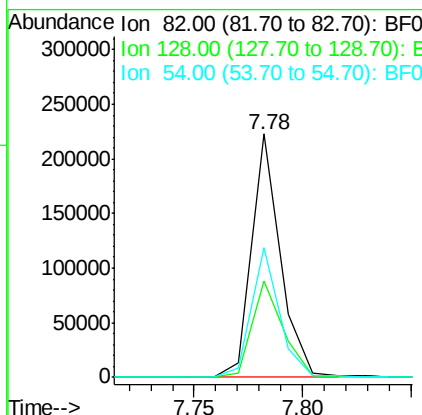
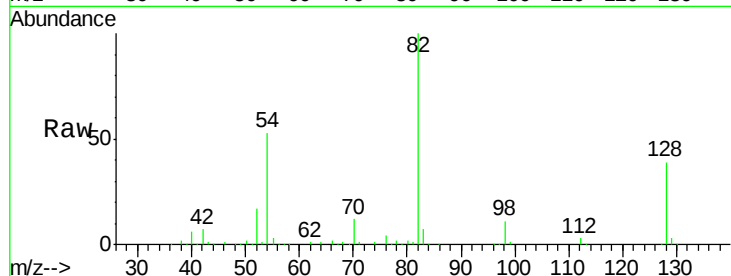
#23
Nitrobenzene-d5
Concen: 40.43 ng
RT: 7.78 min Scan# 577
Delta R.T. -0.05 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Instrument :
BNA_F
ClientSampleId :
WC051915-SOIL

Tot Ion:	82	Resp:	205265
Ion Ratio	Lower	Upper	
82	100		
128	39.5	29.7	44.5
54	53.0	46.2	69.4

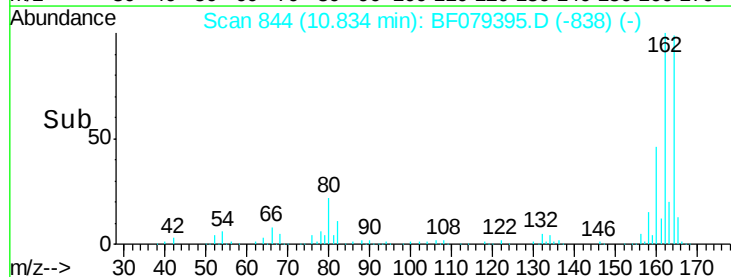
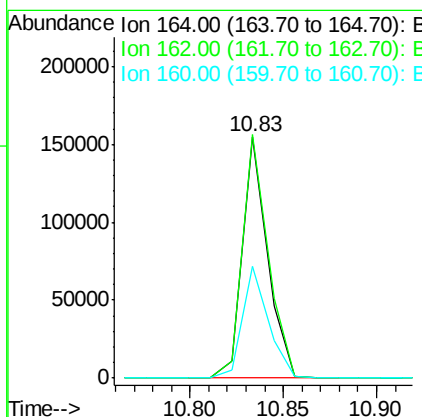
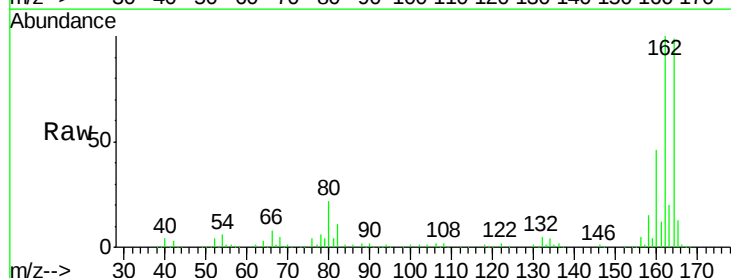
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.05 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Tgt Ion:	164	Resp:	145749
Ion Ratio	Lower	Upper	
164	100		
162	101.0	81.4	122.0
160	46.3	36.6	54.8





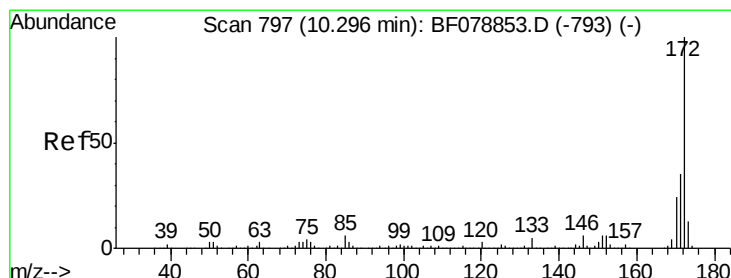
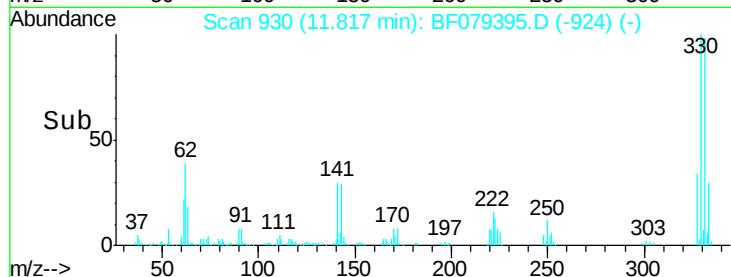
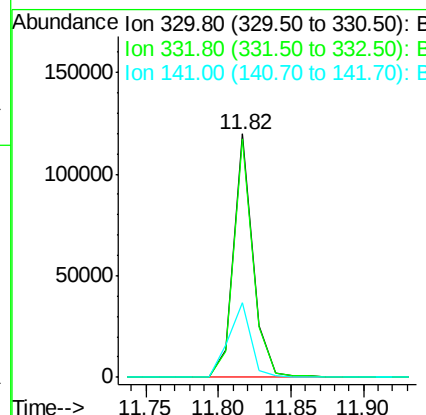
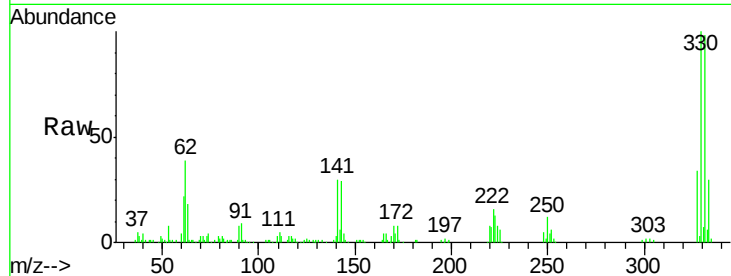
#41
 2,4,6-Tribromophenol
 Concen: 70.89 ng
 RT: 11.82 min Scan# 930
 Delta R.T. -0.05 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

Instrument :
 BNA_F
 ClientSampleId :
 WC051915-SOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.9	115.3
141	34.9	27.8	41.8

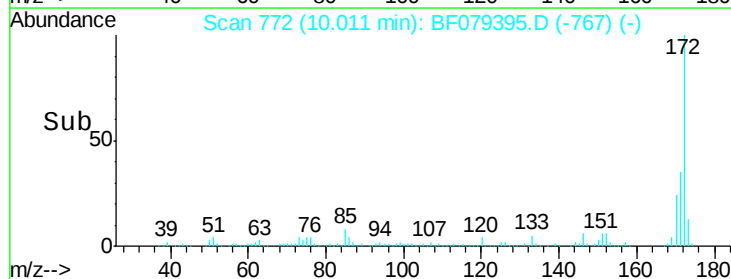
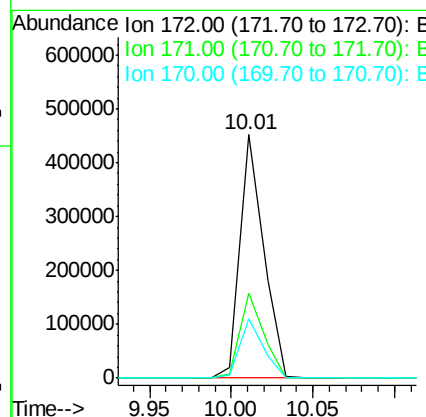
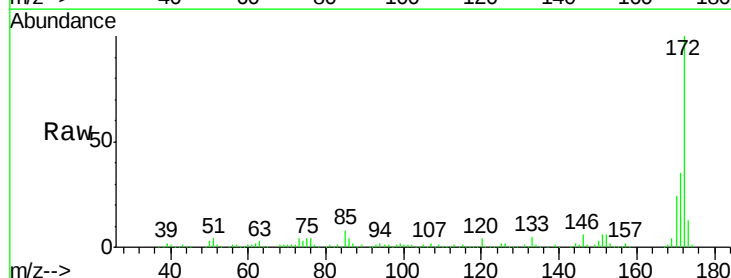
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#44
 2-Fluorobiphenyl
 Concen: 43.20 ng
 RT: 10.01 min Scan# 772
 Delta R.T. -0.05 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.3	42.5
170	24.2	19.4	29.2





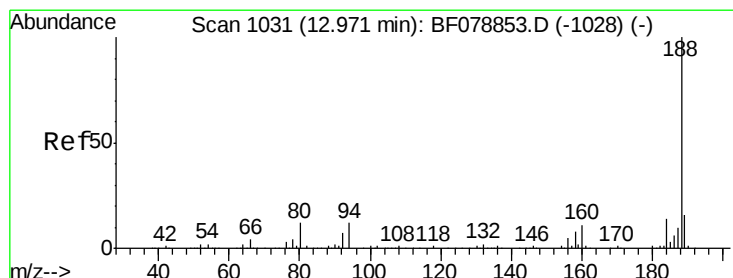
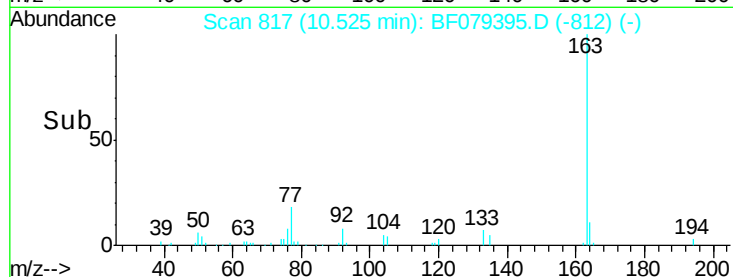
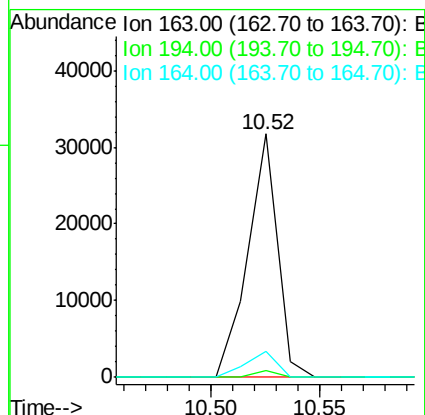
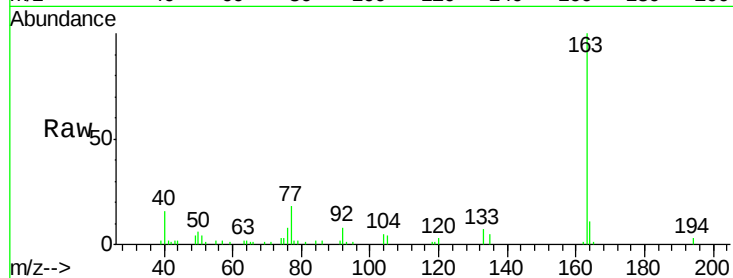
#49
Dimethylphthalate
Concen: 2.81 ng
RT: 10.52 min Scan# 817
Delta R.T. -0.05 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Instrument :
BNA_F
ClientSampleId :
WC051915-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	30035		
194	3.0		2.4	3.6
164	10.8		8.6	12.8

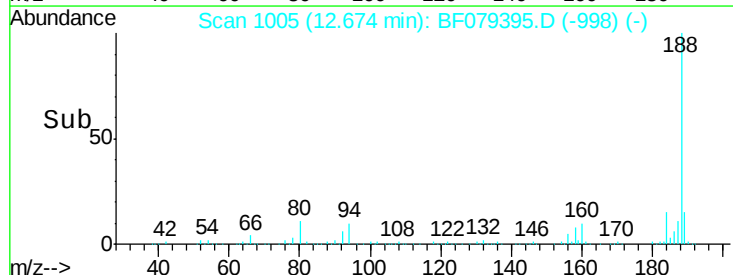
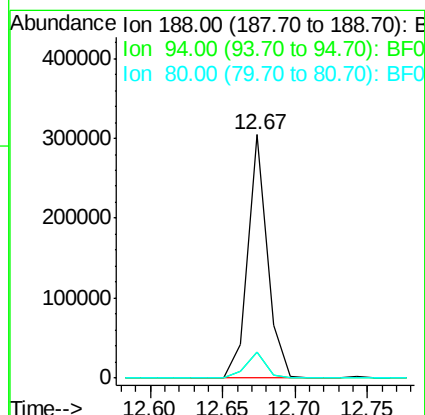
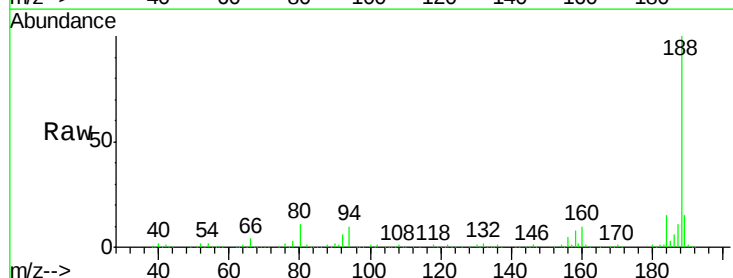
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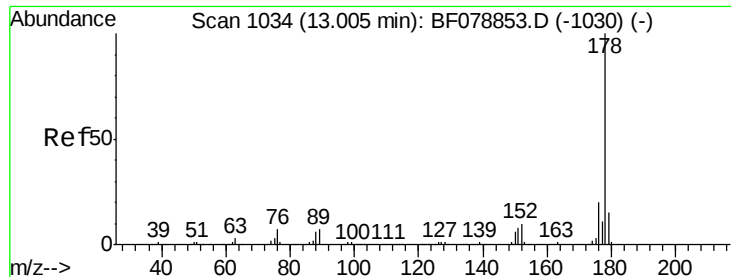
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.67 min Scan# 1005
Delta R.T. -0.05 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	286698		
94	10.4		9.4	14.0
80	10.8		9.8	14.6





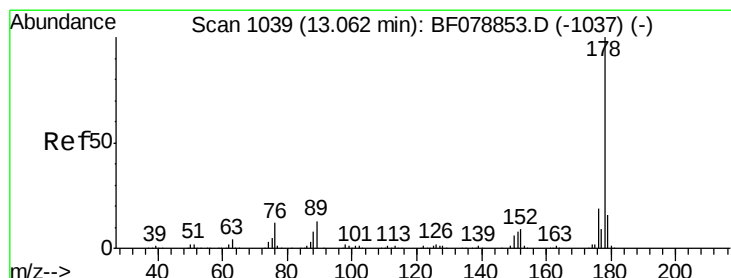
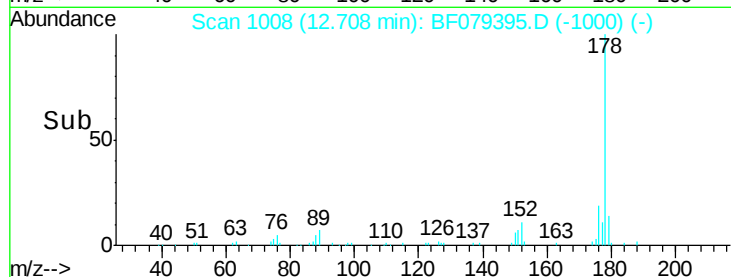
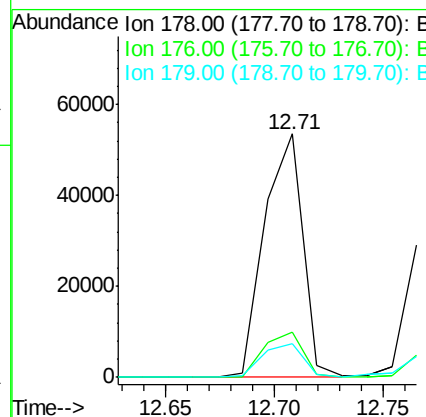
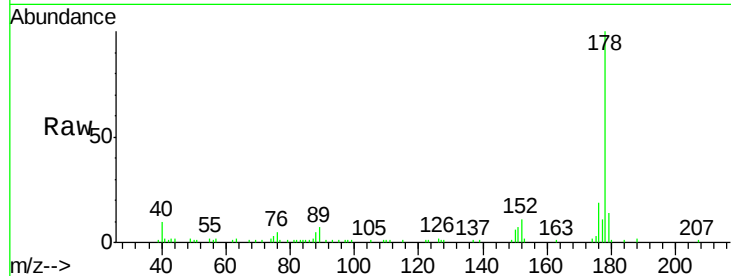
#70
Phenanthrene
Concen: 4.13 ng
RT: 12.71 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	14.1	12.2	18.4

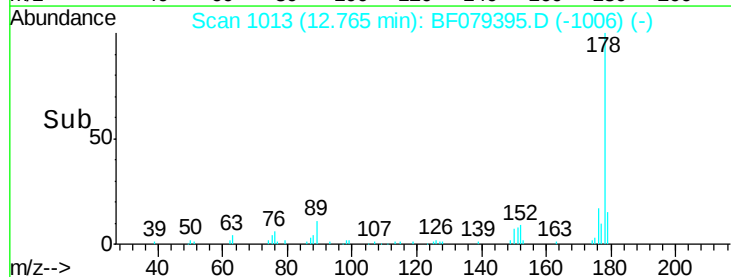
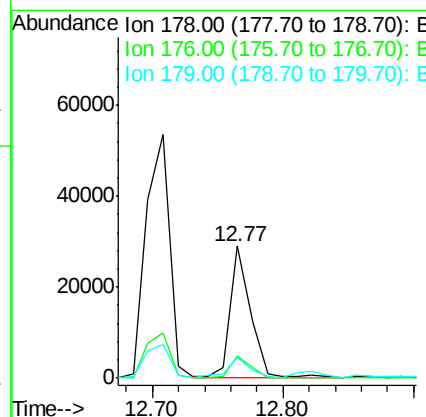
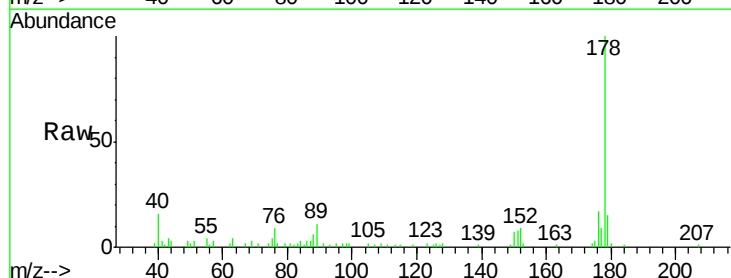
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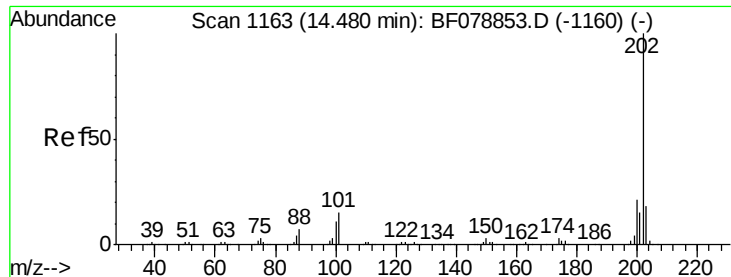
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#71
Anthracene
Concen: 2.07 ng
RT: 12.77 min Scan# 1013
Delta R.T. -0.05 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.3	22.9
179	15.5	12.6	19.0





#74

Fluoranthene

Concen: 10.22 ng

RT: 14.18 min Scan# 1137

Delta R.T. -0.05 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Instrument :

BNA_F

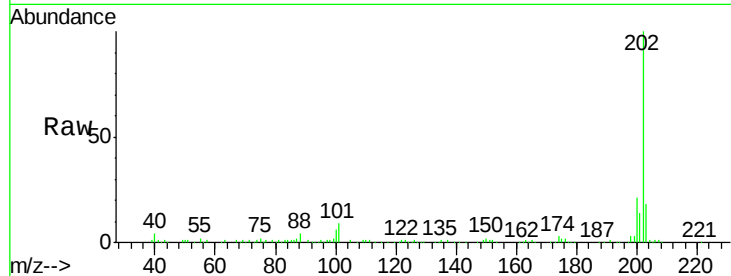
ClientSampleId :

WC051915-SOIL

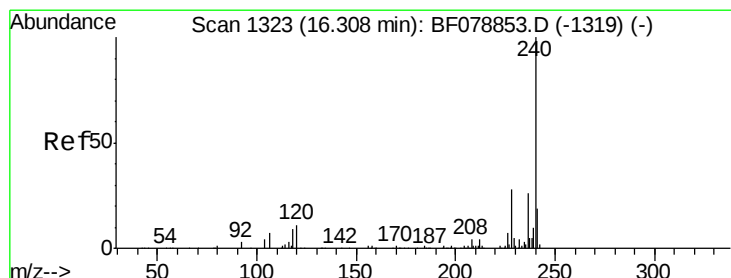
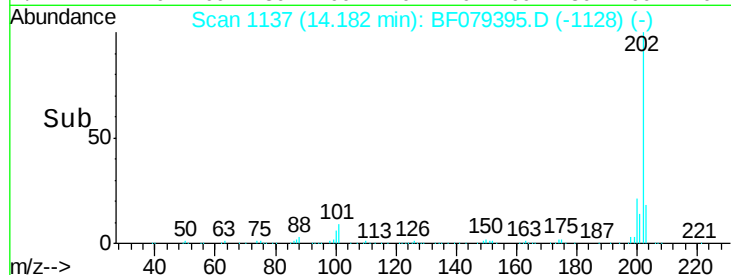
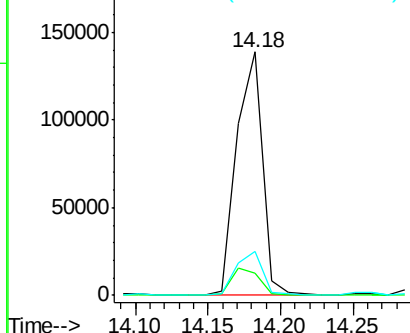
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.3	0.0	34.7
203	18.3	0.0	37.9

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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.97 min Scan# 1293

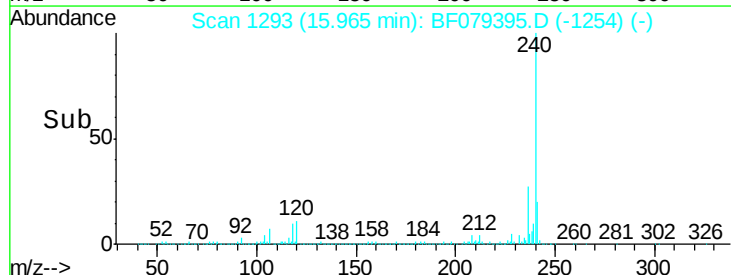
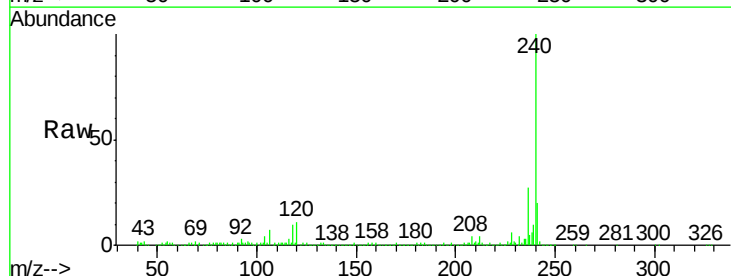
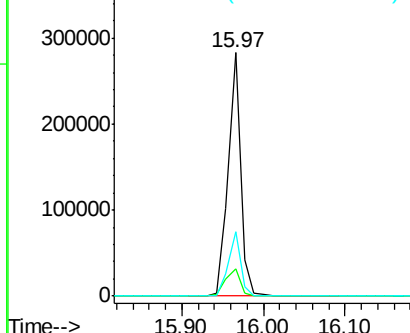
Delta R.T. -0.06 min

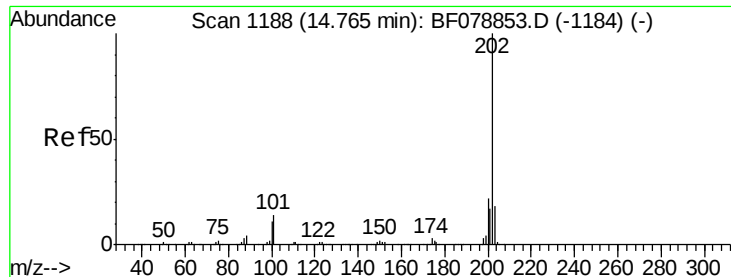
Lab File: BF079395.D

Acq: 20 May 2015 23:18

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.3	8.6	12.8
236	26.6	21.0	31.6

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.31 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.05 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Instrument :

BNA_F

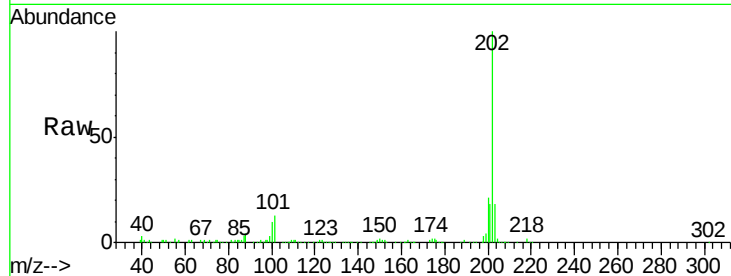
ClientSampleId :

WC051915-SOIL

Tot Ion:	202	Resp:	179342
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.5	26.3
203	18.0	14.7	22.1

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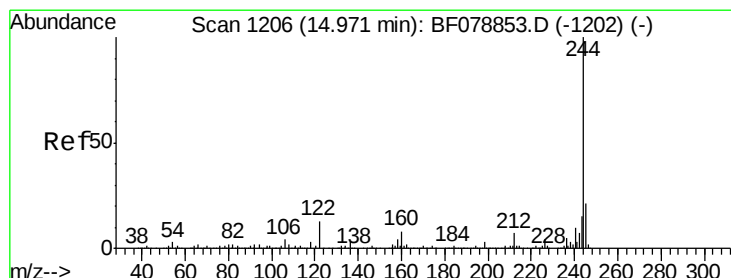
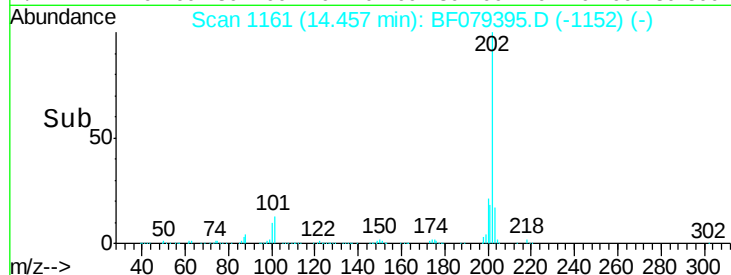
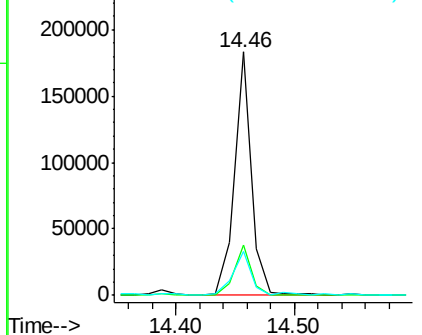
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 44.22 ng

RT: 14.67 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF079395.D

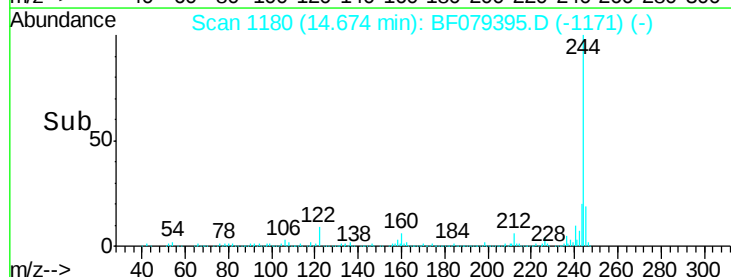
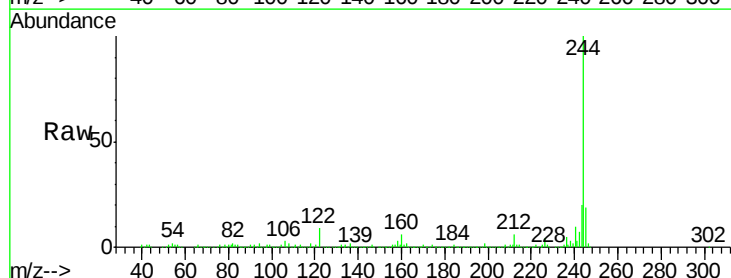
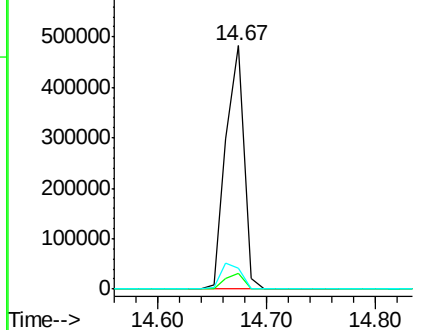
Acq: 20 May 2015 23:18

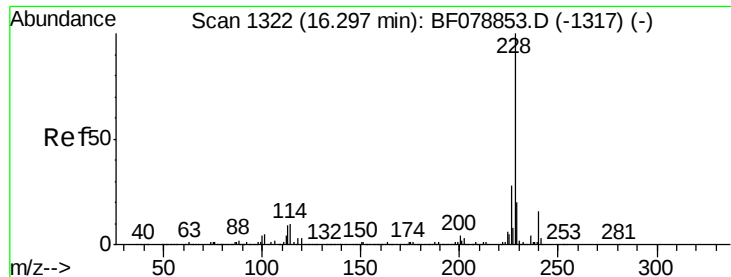
Tgt Ion:	244	Resp:	557708
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.6	8.4
122	8.8	10.5	15.7#

Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





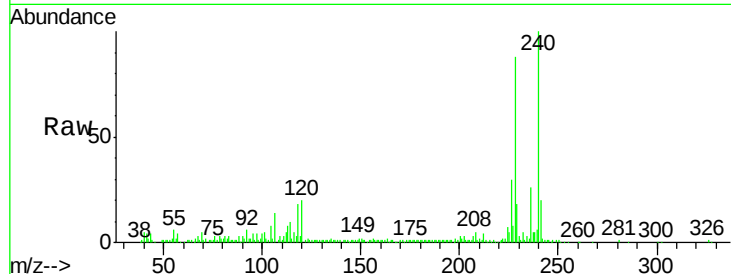
#80
Benzo(a)anthracene
Concen: 6.29 ng m
RT: 15.95 min Scan# 1292
Delta R.T. -0.06 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Instrument :
BNA_F
ClientSampleId :
WC051915-SOIL

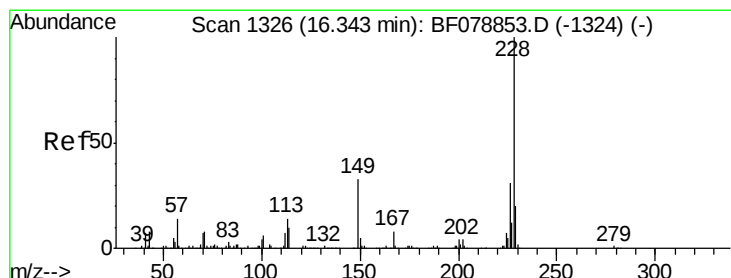
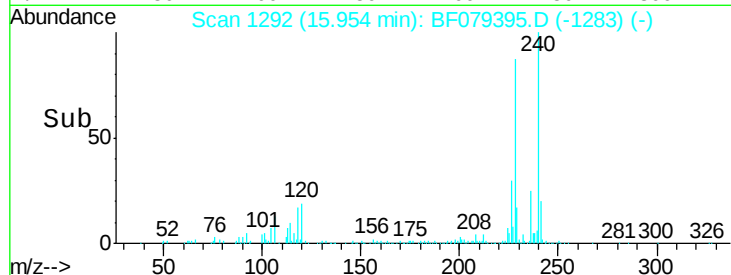
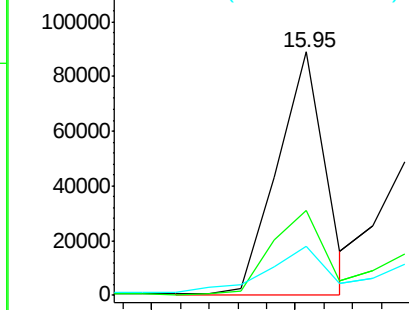
Tot Ion	Ratio	Lower	Upper
228	100		
226	34.7	22.3	33.5#
229	20.4	16.1	24.1

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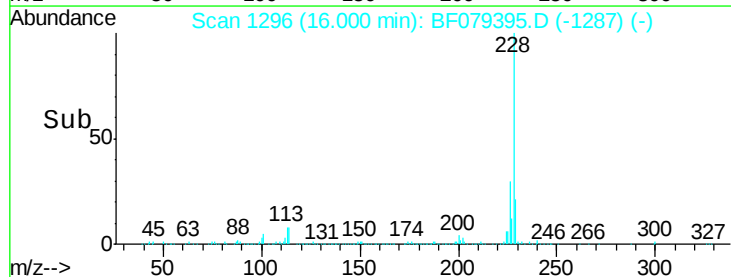
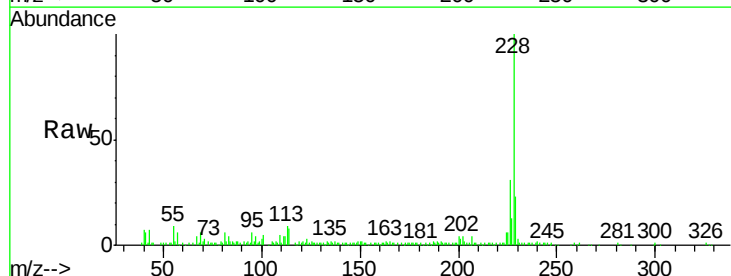
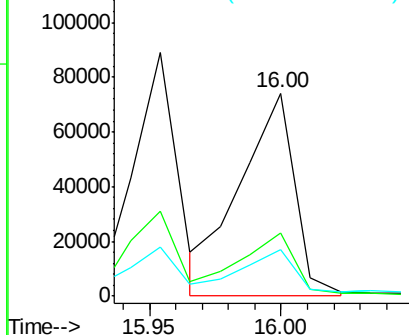
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

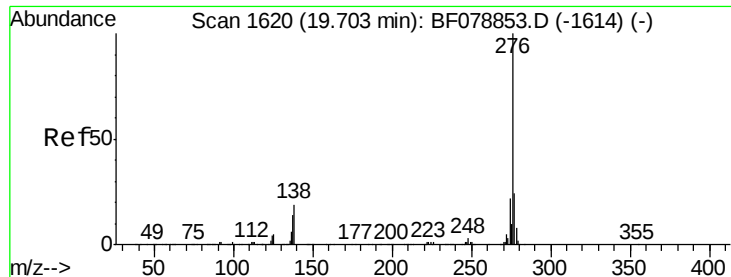


#82
Chrysene
Concen: 6.75 ng m
RT: 16.00 min Scan# 1296
Delta R.T. -0.06 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.8	37.2
229	22.7	16.1	24.1

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





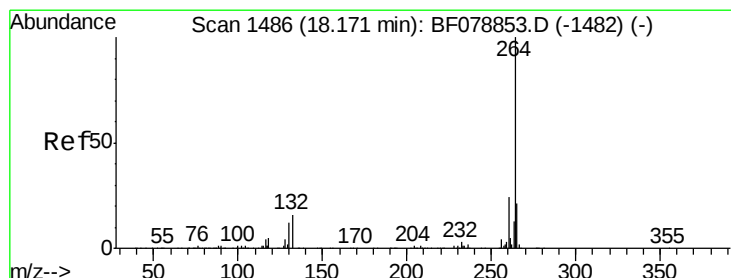
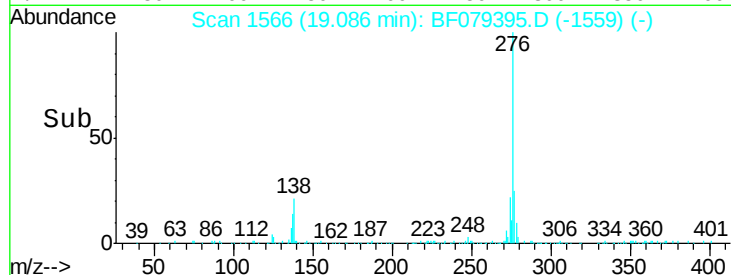
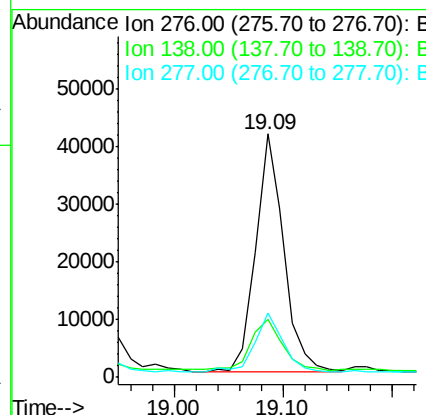
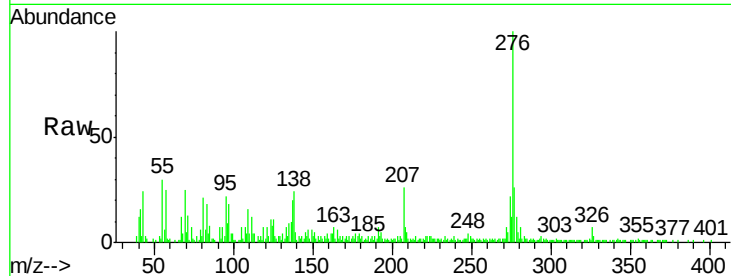
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.70 ng
 RT: 19.09 min Scan# 1566
 Delta R.T. -0.13 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

Instrument :
 BNA_F
 ClientSampleId :
 WC051915-SOIL

Tot Ion:	276	Resp:	74870
Ion Ratio	Lower	Upper	
276	100		
138	25.2	21.1	31.7
277	24.4	19.9	29.9

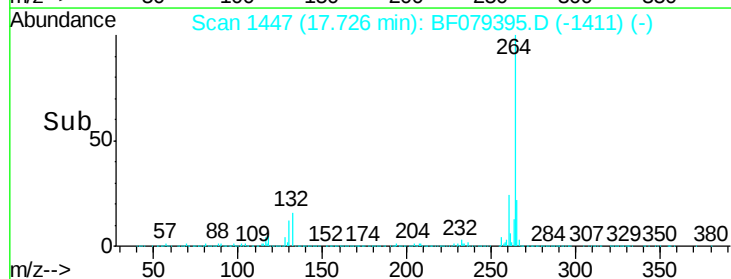
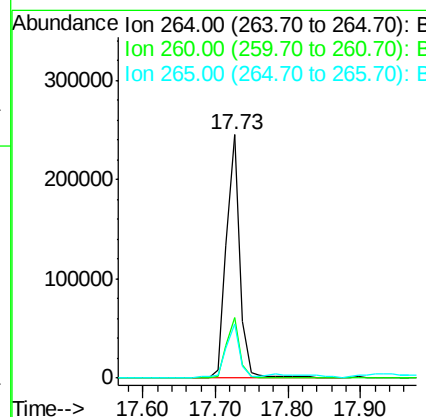
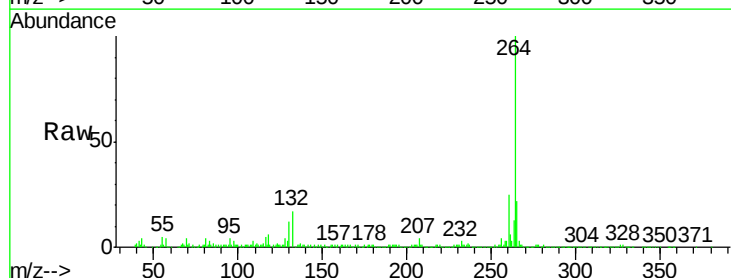
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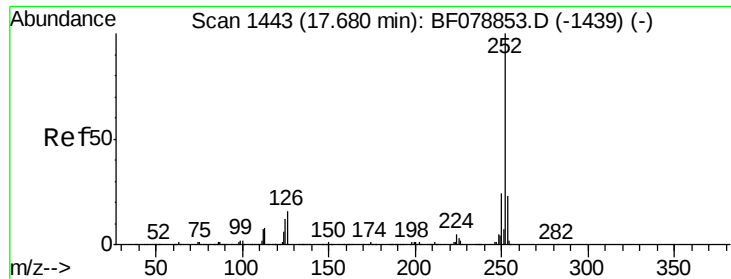
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.73 min Scan# 1447
 Delta R.T. -0.09 min
 Lab File: BF079395.D
 Acq: 20 May 2015 23:18

Tgt Ion:	264	Resp:	311969
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	22.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.14 ng m

RT: 17.27 min Scan# 1407

Delta R.T. -0.08 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Instrument :

BNA_F

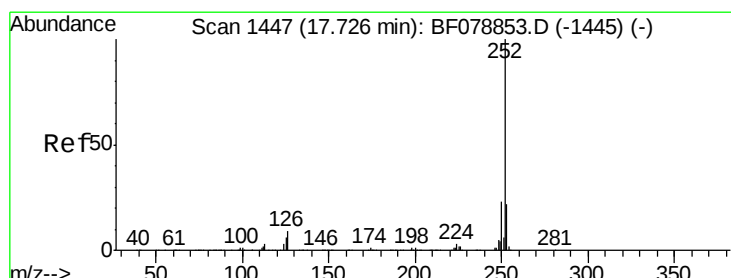
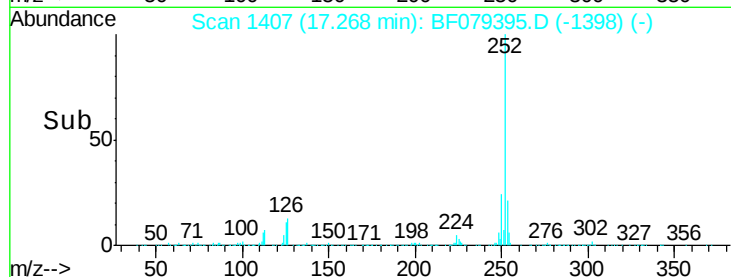
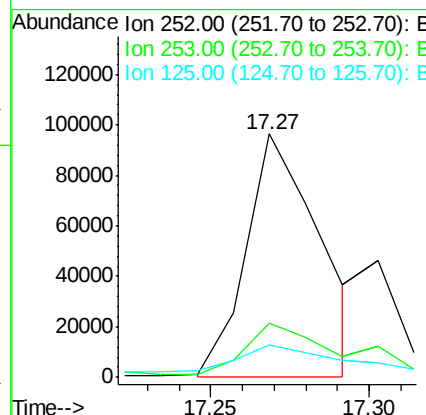
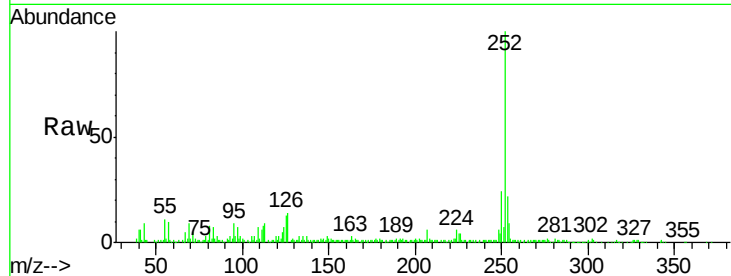
ClientSampleId :

WC051915-SOIL

Tot Ion:	252	Resp:	156027
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.1	27.1
125	13.3	9.4	14.2

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#88

Benzo(k)fluoranthene

Concen: 2.40 ng m

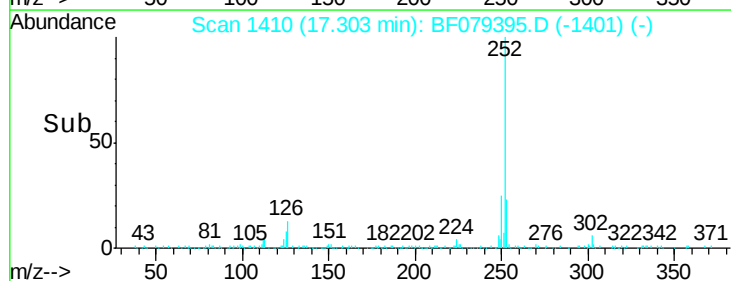
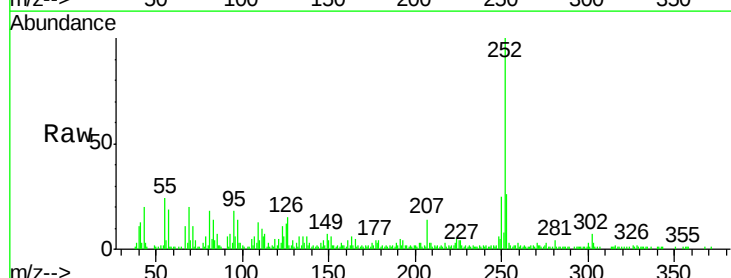
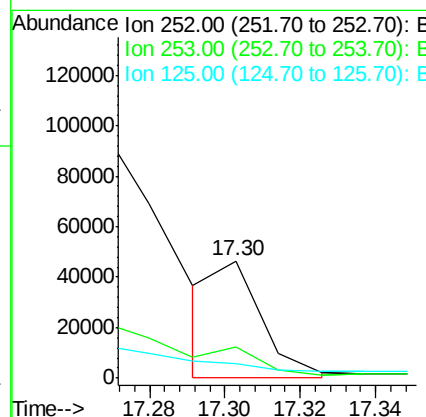
RT: 17.30 min Scan# 1410

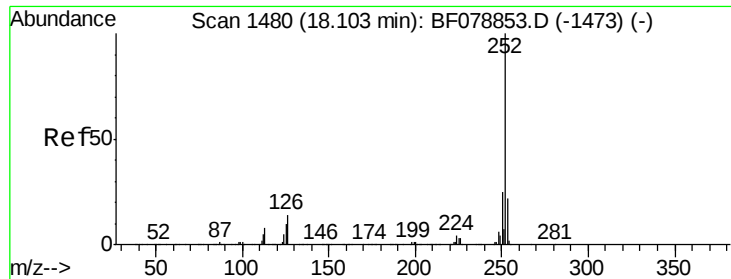
Delta R.T. -0.08 min

Lab File: BF079395.D

Acq: 20 May 2015 23:18

Tgt Ion:	252	Resp:	39730
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.4	26.0#
125	12.2	6.1	9.1#





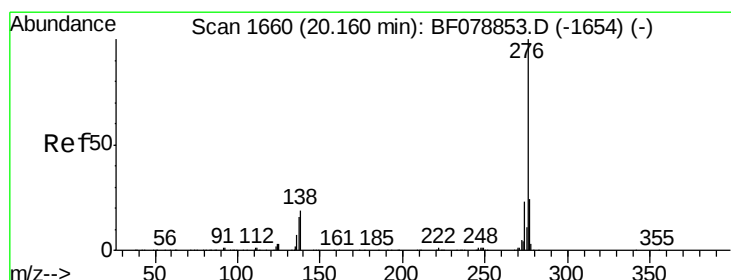
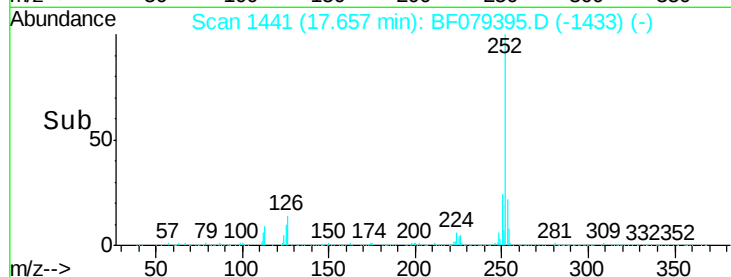
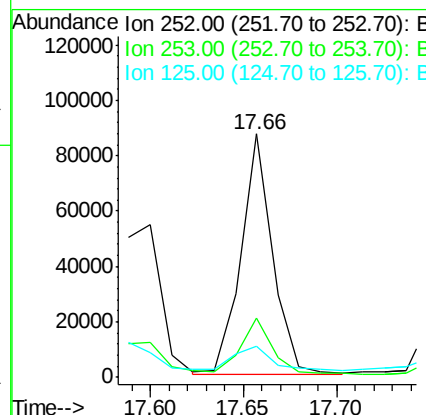
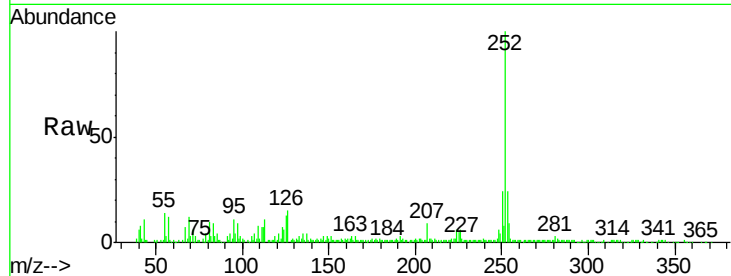
#89
Benzo(a)pyrene
Concen: 6.51 ng
RT: 17.66 min Scan# 1441
Delta R.T. -0.09 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Instrument :
BNA_F
ClientSampleId :
WC051915-SOIL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.2	18.0	27.0
125	12.8	8.2	12.2

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#91
Benzo(g,h,i)perylene
Concen: 4.55 ng
RT: 19.49 min Scan# 1601
Delta R.T. -0.14 min
Lab File: BF079395.D
Acq: 20 May 2015 23:18

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	23.9	18.8	28.2
138	24.0	15.2	22.8

