

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
 Data File : BF079397.D
 Acq On : 21 May 2015 00:16
 Operator : TP/IZ
 Sample : G2303-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL

Manual Integrations
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Quant Time: May 21 05:44:09 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	60055m	20.00	ng	-0.03
21) Naphthalene-d8	8.67	136	237885	20.00	ng	-0.03
38) Acenaphthene-d10	10.85	164	118721	20.00	ng	-0.03
63) Phenanthrene-d10	12.69	188	218729	20.00	ng	-0.03
75) Chrysene-d12	15.97	240	247012	20.00	ng	-0.06
86) Perylene-d12	17.68	264	234923	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	64522m	18.49	ng	-0.05
7) Phenol-d6	6.67	99	82789m	17.95	ng	-0.03
23) Nitrobenzene-d5	7.78	82	49152	11.87	ng	-0.05
41) 2,4,6-Tribromophenol	11.83	330	21679	16.88	ng	-0.03
44) 2-Fluorobiphenyl	10.02	172	101392	11.90	ng	-0.03
78) Terphenyl-d14	14.67	244	122245	11.85	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.70	128	135916m	11.99	ng	
37) 2-Methylnaphthalene	9.56	142	652514	83.07	ng	99
45) 1,1'-Biphenyl	10.14	154	116180	12.31	ng	97
57) Fluorene	11.53	166	145278m	17.00	ng	
70) Phenanthrene	12.72	178	595323	48.65	ng	97
71) Anthracene	12.78	178	77825m	6.48	ng	
74) Fluoranthene	14.19	202	57092	4.48	ng	75
77) Pyrene	14.47	202	238036	16.72	ng	# 95
80) Benzo(a)anthracene	15.95	228	96307	7.12	ng	# 64
82) Chrysene	16.00	228	141841	10.90	ng	# 66
83) Bis(2-ethylhexyl)phthalate	16.01	149	59349	6.30	ng	97
89) Benzo(a)pyrene	17.61	252	41890	3.54	ng	# 41

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

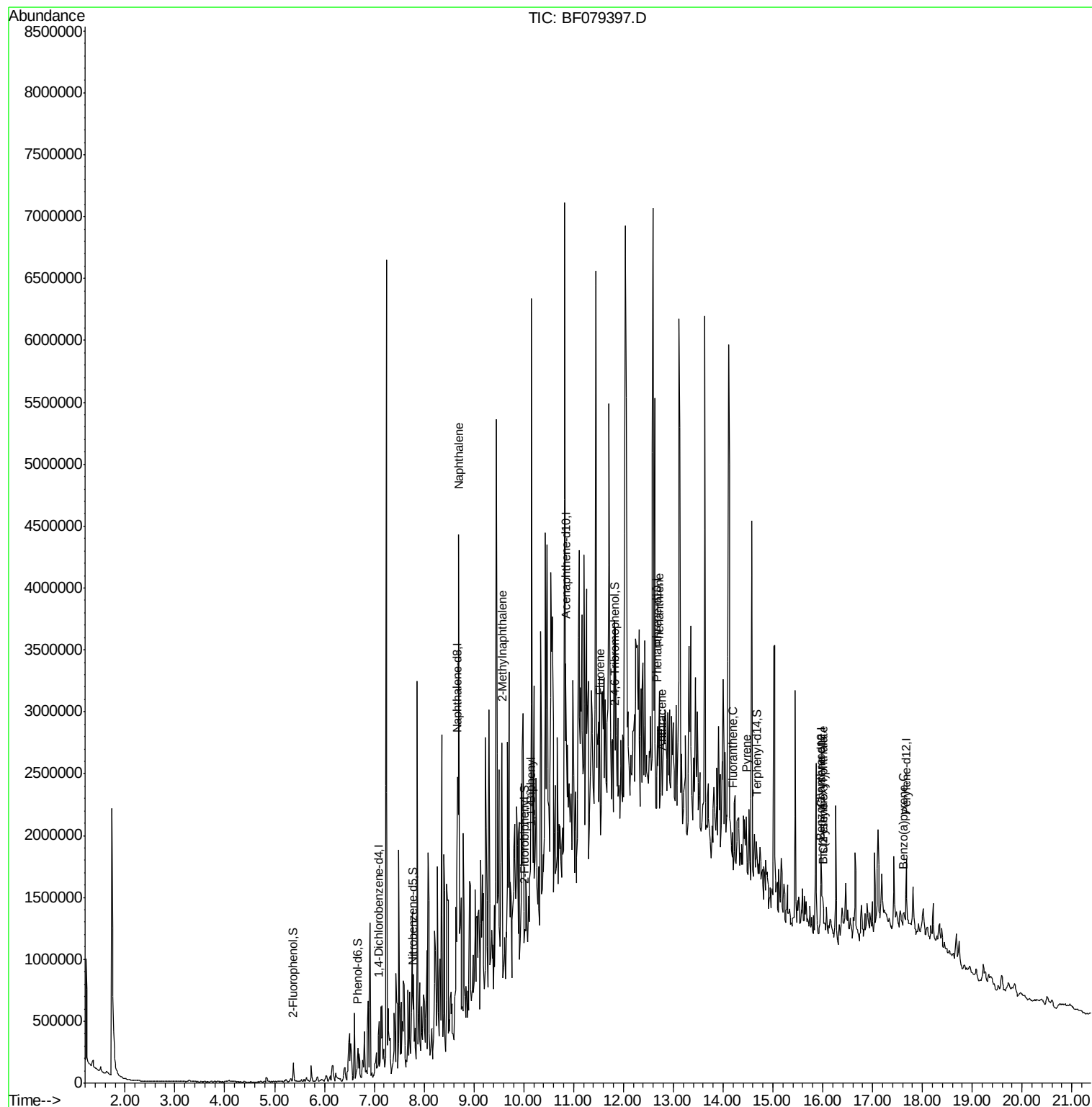
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
Data File : BF079397.D
Acq On : 21 May 2015 00:16
Operator : TP/IZ
Sample : G2303-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

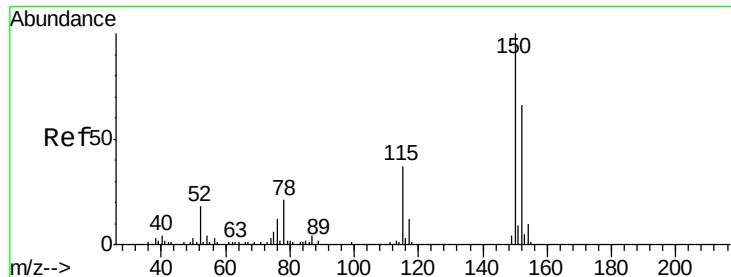
Instrument :
BNA_F
ClientSampleId :
TOPSOIL

Quant Time: May 21 05:44:09 2015
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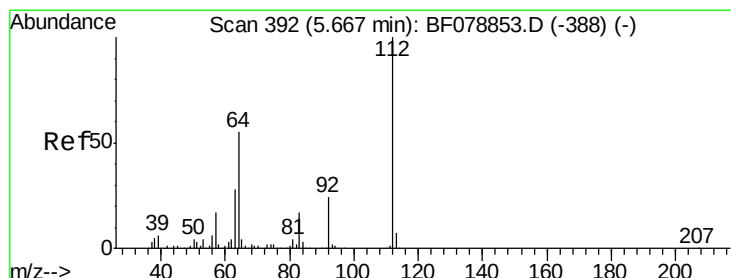
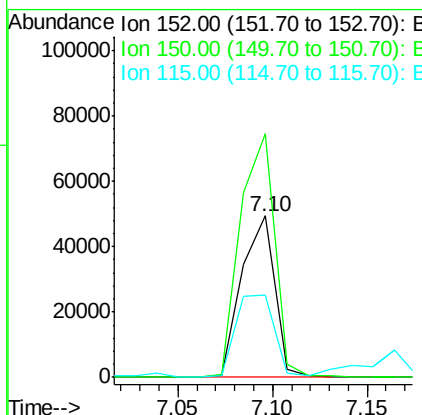
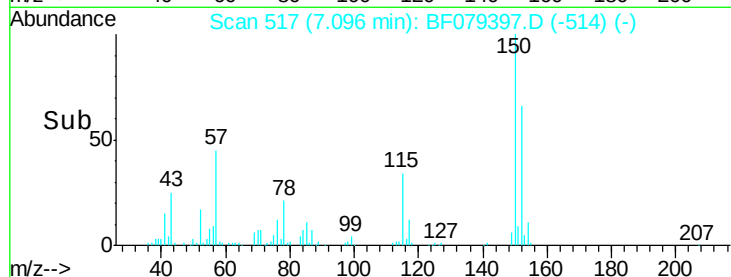
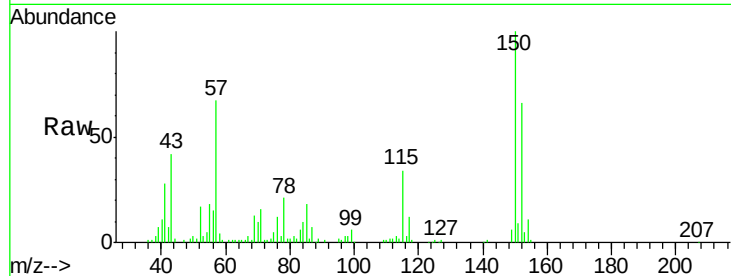
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 7.10 min Scan# 517
Delta R.T. -0.03 min
Lab File: BF079397.D
Acq: 21 May 2015 00:16

Instrument :
BNA_F
ClientSampled :
TOPSOIL

Tot Ion:	152	Resp:	60055
Ion	Ratio	Lower	Upper
152	100		
150	151.0	123.8	185.8
115	51.5	49.4	74.0

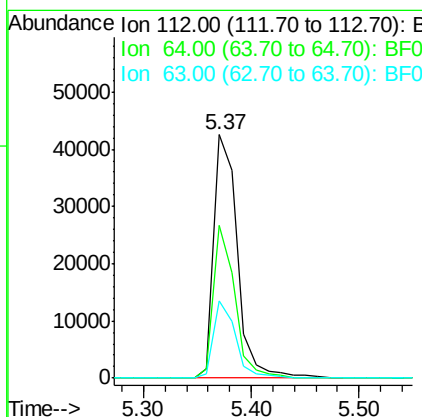
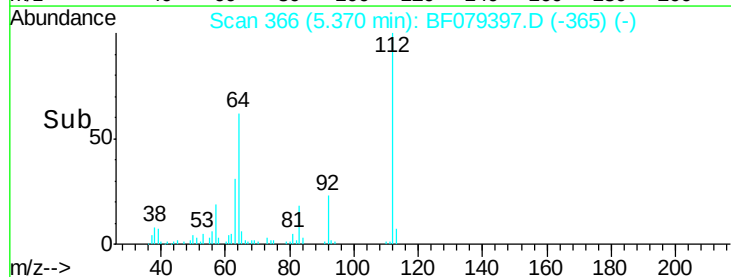
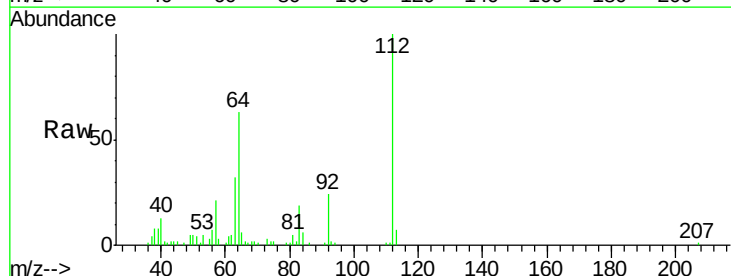
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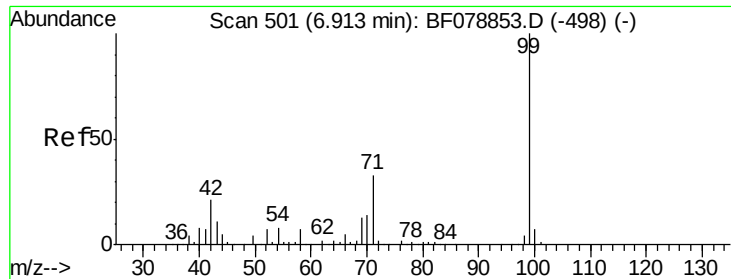
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#5
2-Fluorophenol
Concen: 18.49 ng m
RT: 5.37 min Scan# 366
Delta R.T. -0.05 min
Lab File: BF079397.D
Acq: 21 May 2015 00:16

Tgt Ion:	112	Resp:	64522
Ion	Ratio	Lower	Upper
112	100		
64	62.9	44.2	66.2
63	31.8	22.7	34.1





#7

Phenol-d6

Concen: 17.95 ng/mL

RT: 6.67 min Scan# 480

Delta R.T. -0.03 min

Lab File: BF079397.D

Acq: 21 May 2015 00:16

Instrument :

BNA_F

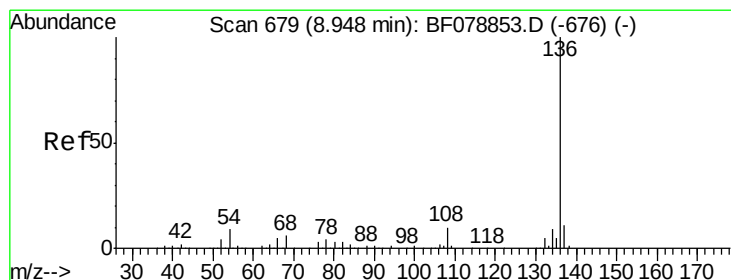
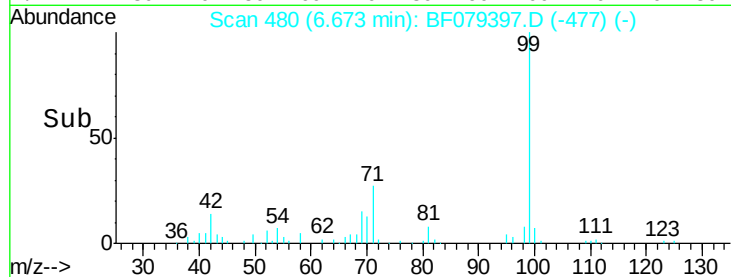
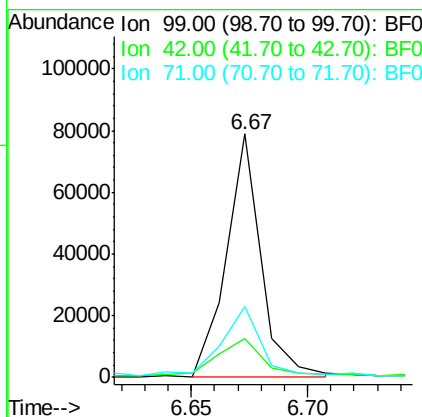
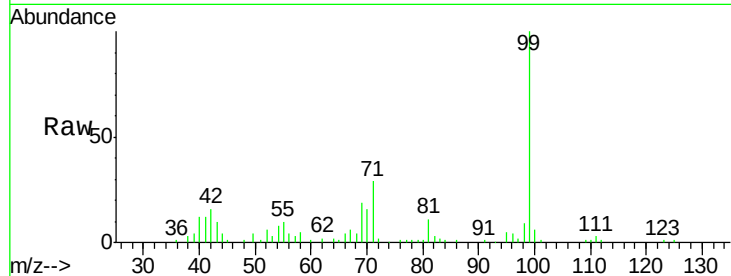
ClientSampled :

TOPSOIL

Tot Ion:	99	Resp:	82789
Ion Ratio	Lower	Upper	
99	100		
42	15.9	17.1	25.7#
71	29.1	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

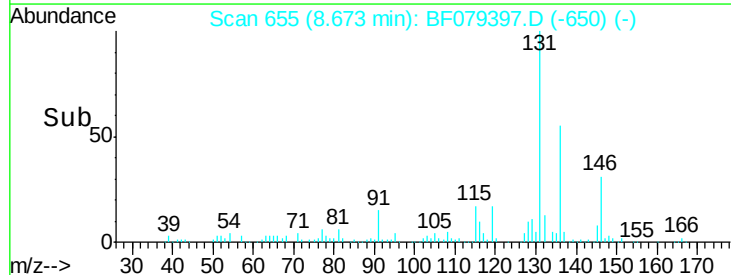
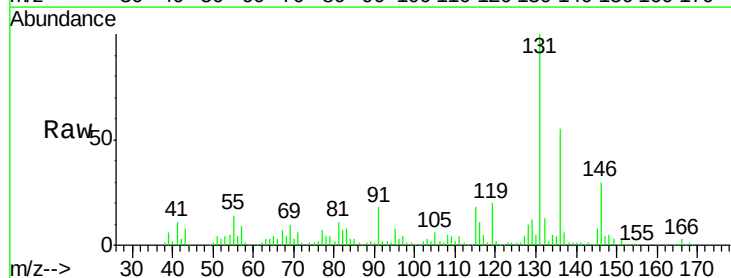
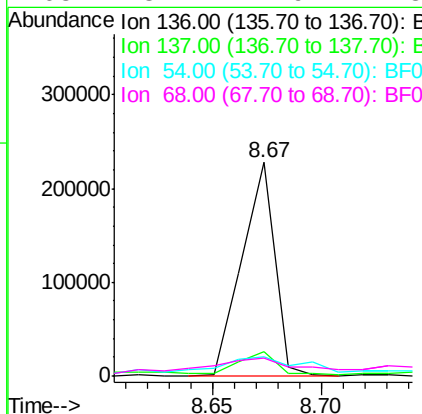
RT: 8.67 min Scan# 655

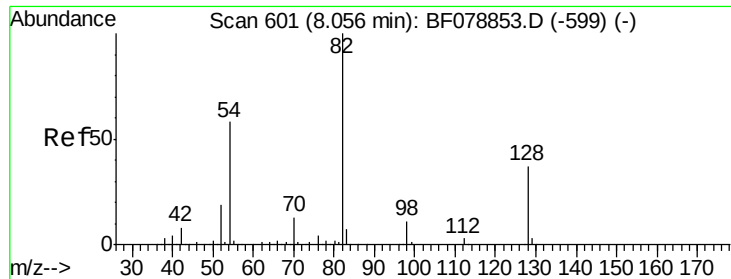
Delta R.T. -0.03 min

Lab File: BF079397.D

Acq: 21 May 2015 00:16

Tgt Ion:	136	Resp:	237885
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.8	13.2
54	9.3	6.9	10.3
68	8.1	4.9	7.3#





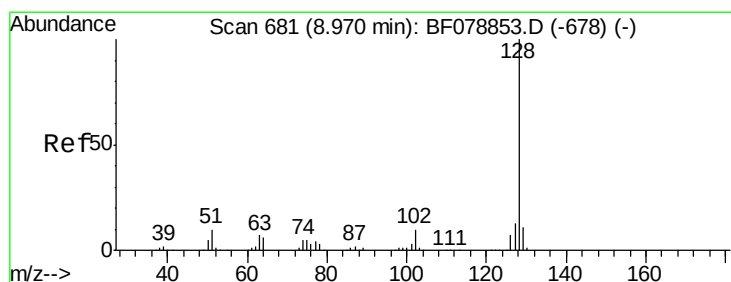
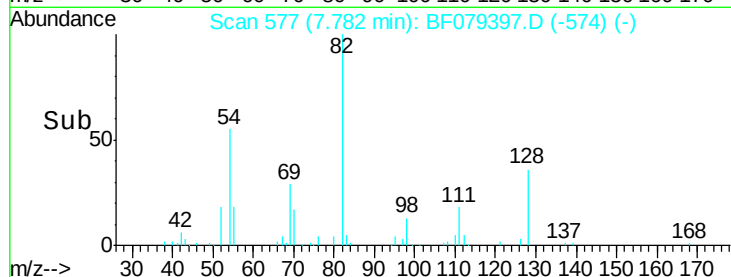
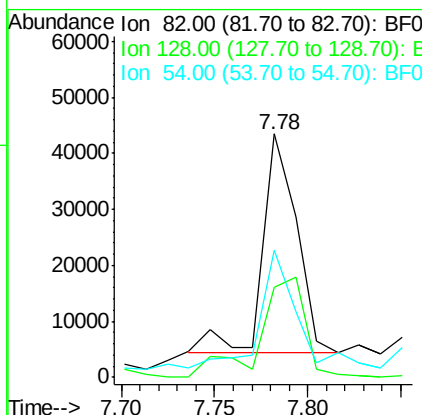
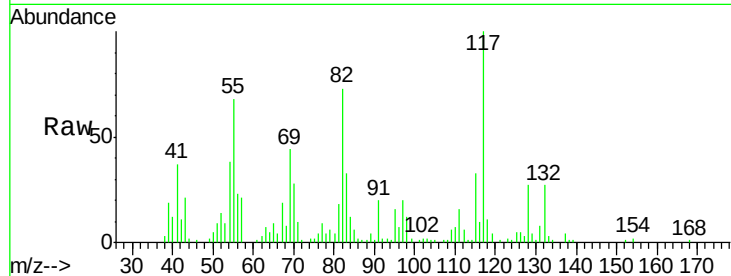
#23
Nitrobenzene-d5
Concen: 11.87 ng
RT: 7.78 min Scan# 577
Delta R.T. -0.05 min
Lab File: BF079397.D
Acq: 21 May 2015 00:16

Instrument :
BNA_F
ClientSampled :
TOPSOIL

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.0	29.7	44.5
54	52.0	46.2	69.4

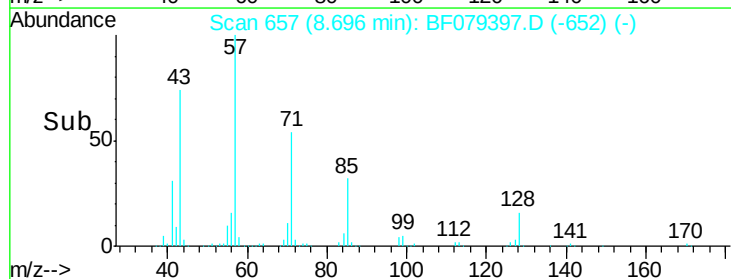
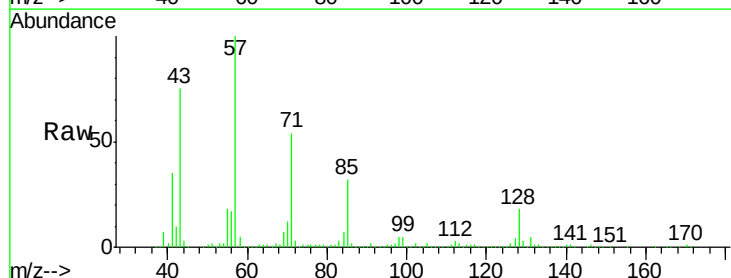
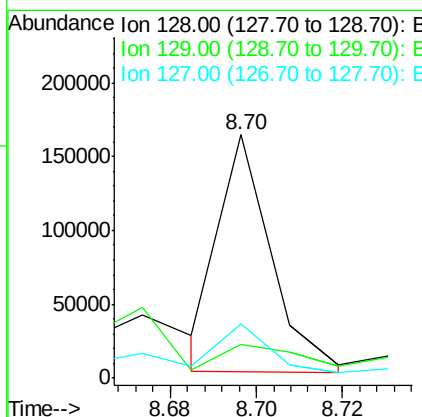
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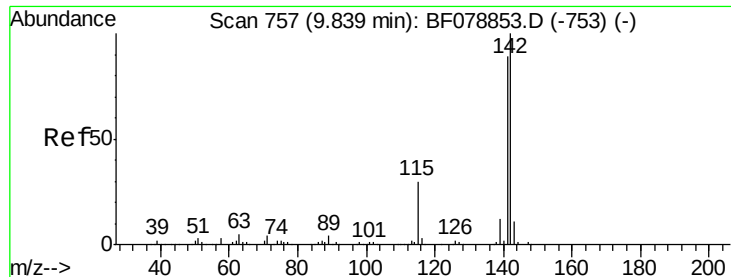
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#31
Naphthalene
Concen: 11.99 ng m
RT: 8.70 min Scan# 657
Delta R.T. -0.03 min
Lab File: BF079397.D
Acq: 21 May 2015 00:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.0	9.2	13.8#
127	22.4	10.3	15.5#





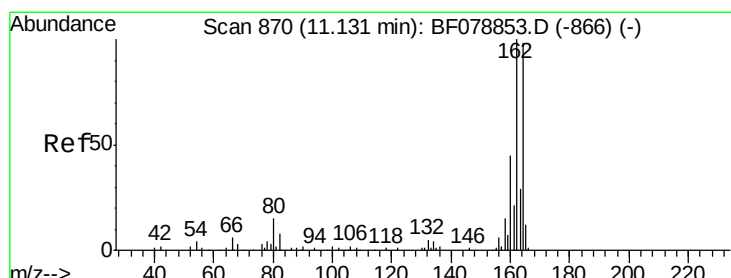
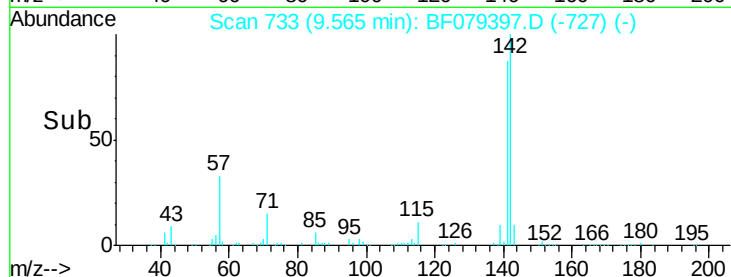
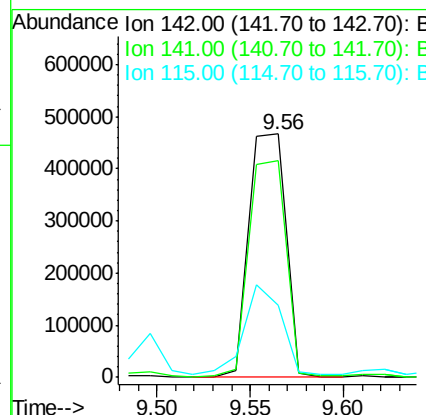
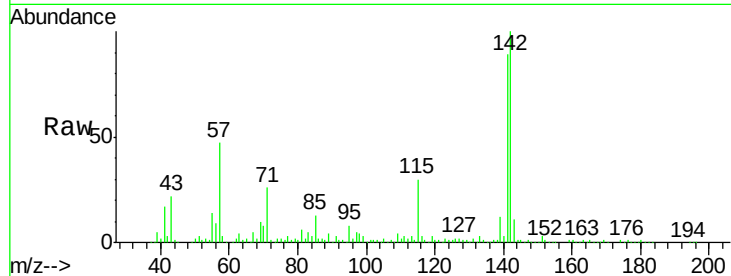
#37
2-Methylnaphthalene
Concen: 83.07 ng
RT: 9.56 min Scan# 733
Delta R.T. -0.02 min
Lab File: BF079397.D
Acq: 21 May 2015 00:16

Instrument :
BNA_F
ClientSampleId :
TOPSOIL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.6	107.4
115	29.6	24.2	36.4

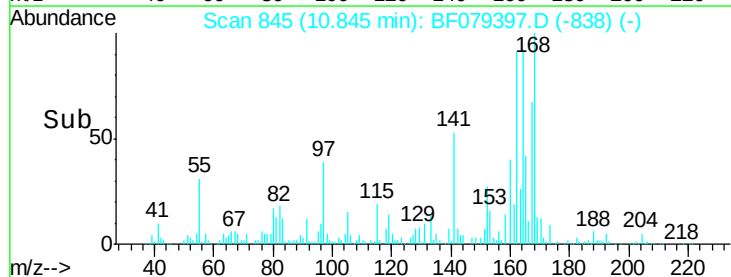
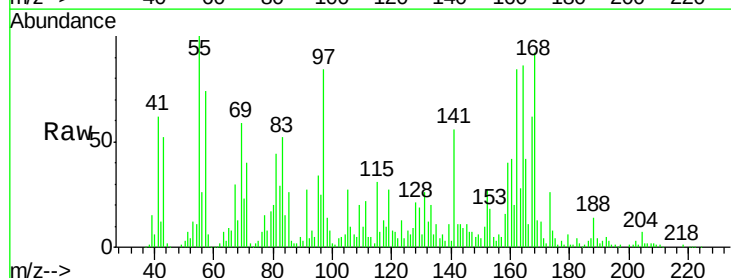
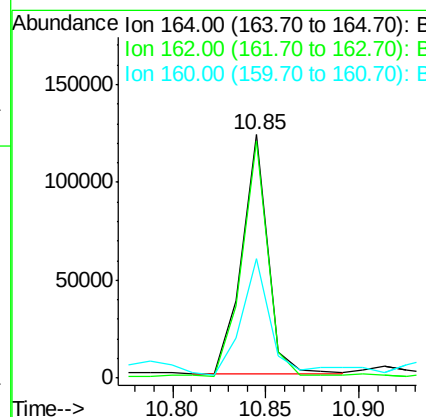
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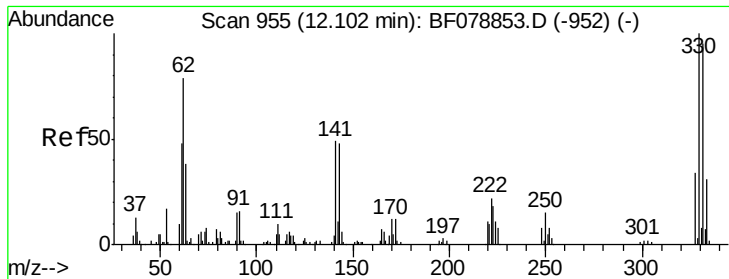
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.85 min Scan# 845
Delta R.T. -0.03 min
Lab File: BF079397.D
Acq: 21 May 2015 00:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.5	81.4	122.0
160	48.9	36.6	54.8





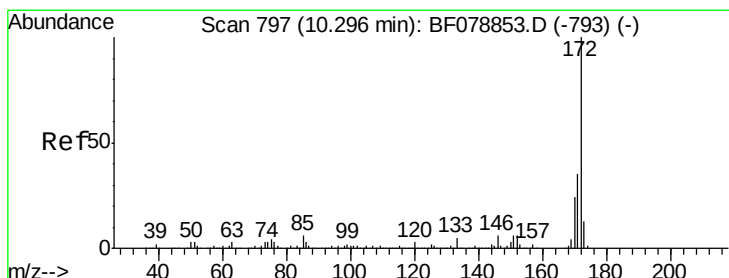
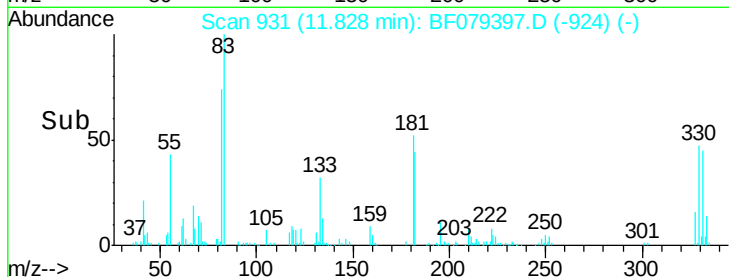
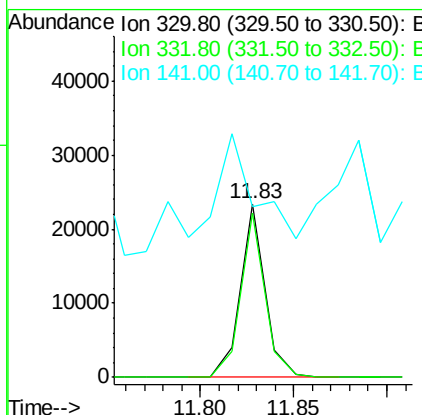
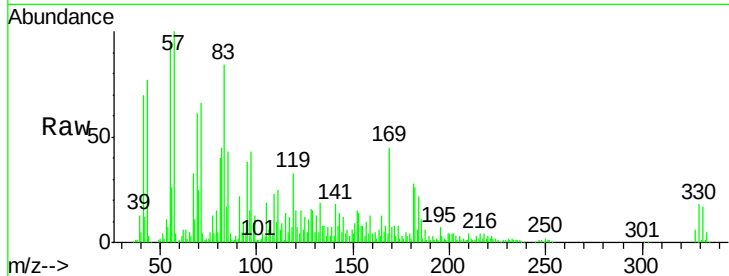
#41
 2,4,6-Tribromophenol
 Concen: 16.88 ng
 RT: 11.83 min Scan# 931
 Delta R.T. -0.03 min
 Lab File: BF079397.D
 Acq: 21 May 2015 00:16

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.7	76.9	115.3
141	140.1	27.8	41.8#

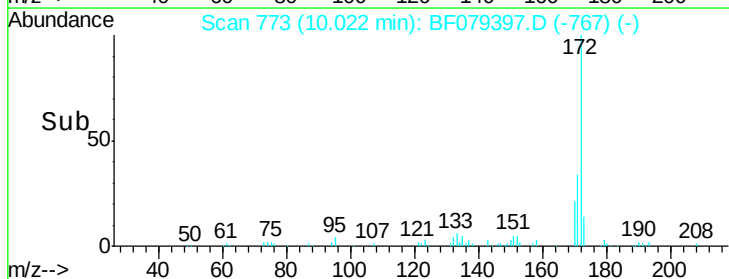
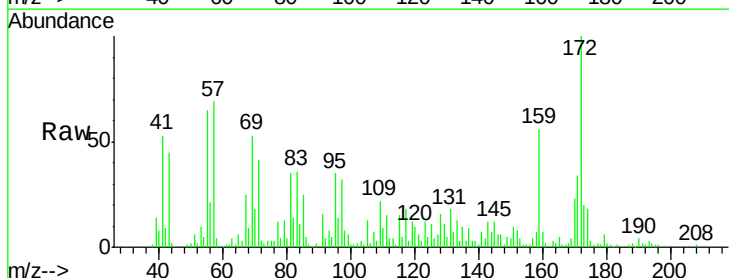
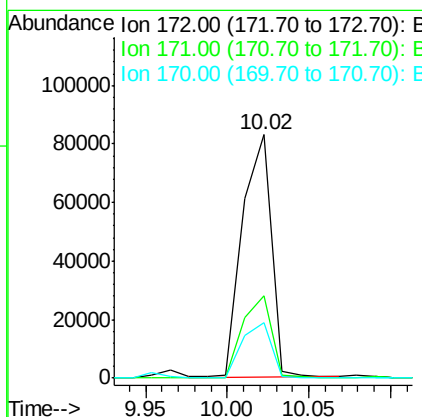
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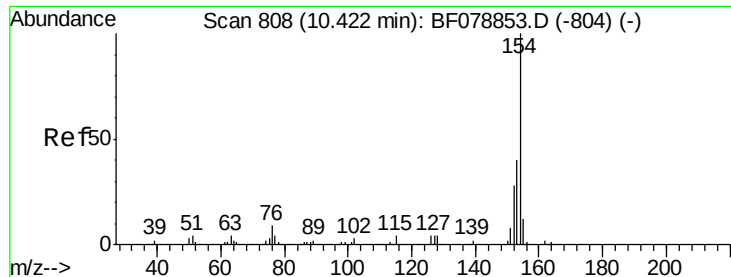
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#44
 2-Fluorobiphenyl
 Concen: 11.90 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.03 min
 Lab File: BF079397.D
 Acq: 21 May 2015 00:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.3	42.5
170	22.7	19.4	29.2





#45

1,1'-Biphenyl

Concen: 12.31 ng

RT: 10.14 min Scan# 783

Delta R.T. -0.03 min

Lab File: BF079397.D

Acq: 21 May 2015 00:16

Instrument :

BNA_F

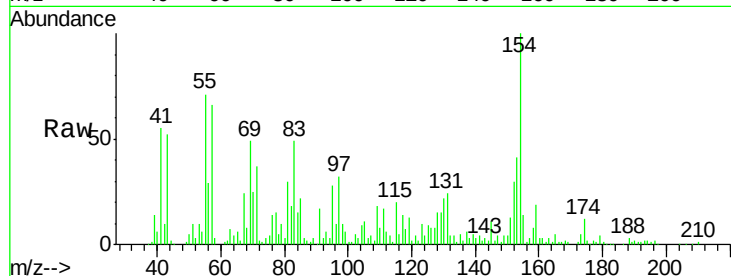
ClientSampleId :

TOPSOIL

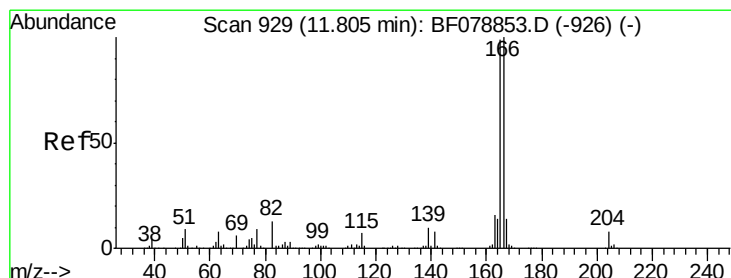
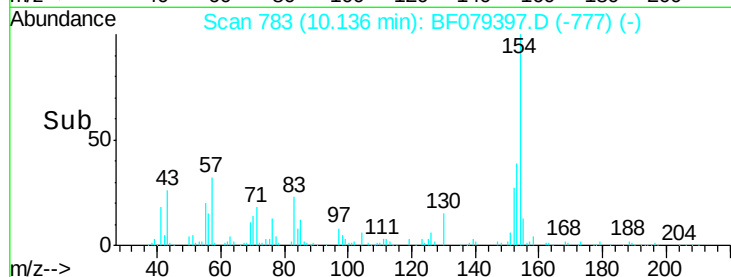
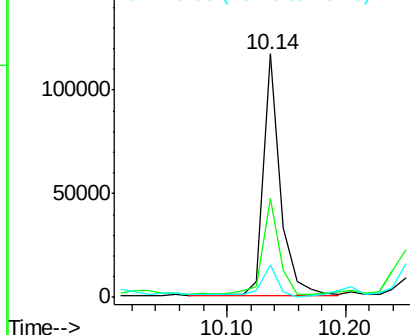
Tot Ion:	154	Resp:	116180
Ion Ratio	Lower	Upper	
154	100		
153	40.5	19.7	59.7
76	13.6	0.0	29.1

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#57

Fluorene

Concen: 17.00 ng m

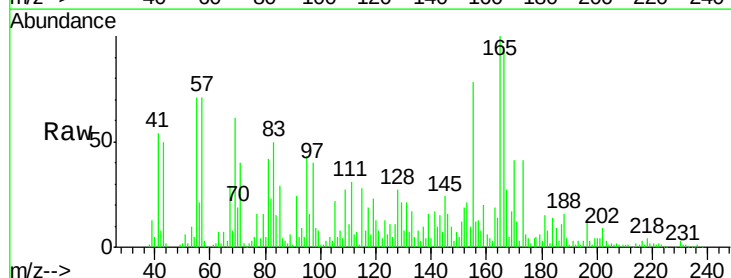
RT: 11.53 min Scan# 905

Delta R.T. -0.02 min

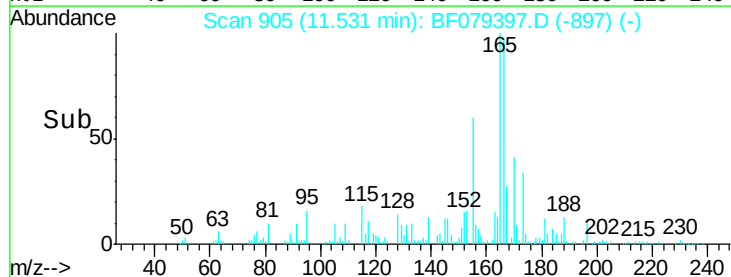
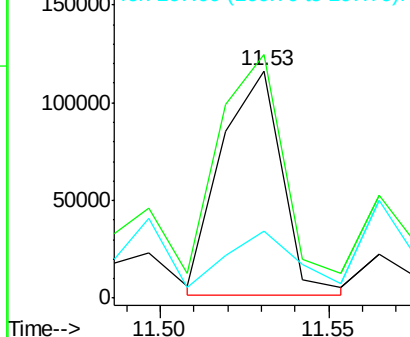
Lab File: BF079397.D

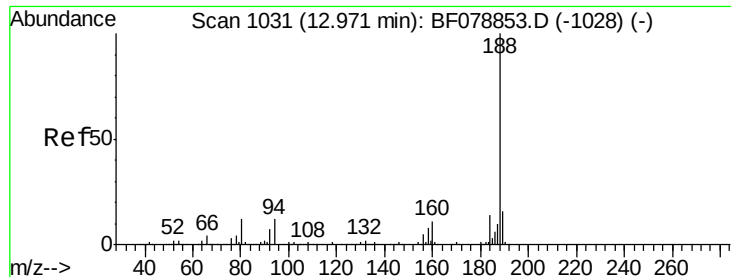
Acq: 21 May 2015 00:16

Tgt Ion:	166	Resp:	145278
Ion Ratio	Lower	Upper	
166	100		
165	107.2	79.5	119.3
167	29.4	11.0	16.6#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.69 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF079397.D

Acq: 21 May 2015 00:16

Instrument :

BNA_F

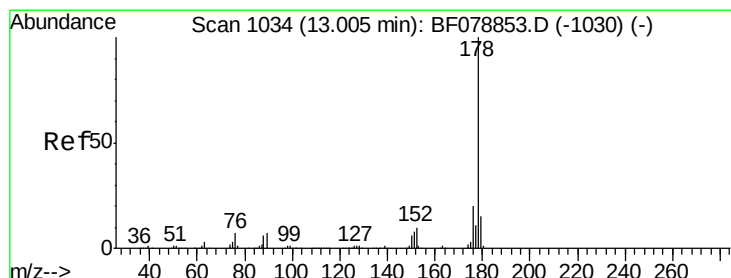
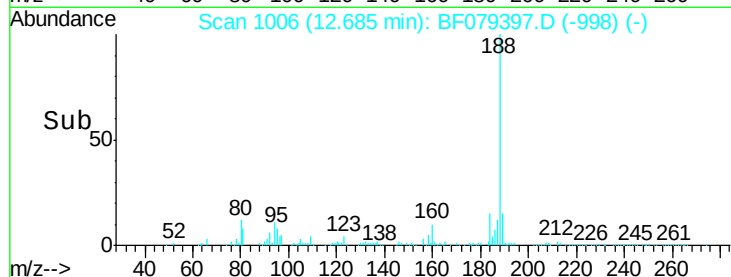
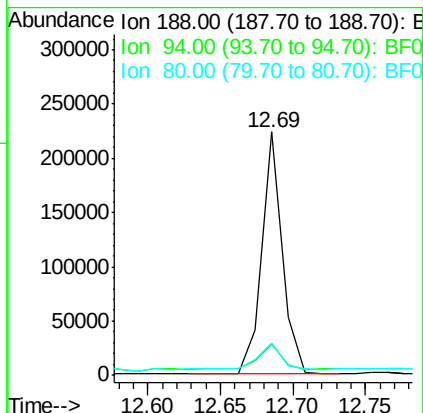
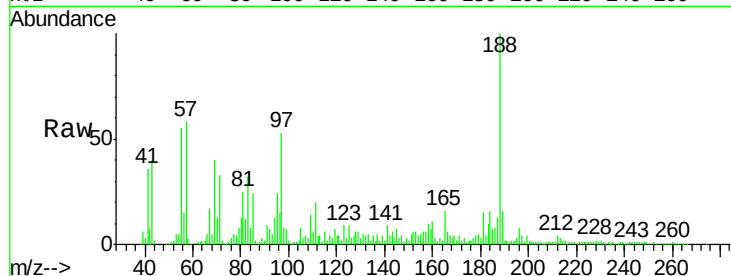
ClientSampleId :

TOPSOIL

Tot Ion:	188	Resp:	218729
Ion Ratio	Lower	Upper	
188	100		
94	12.9	9.4	14.0
80	13.5	9.8	14.6

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#70

Phenanthrene

Concen: 48.65 ng

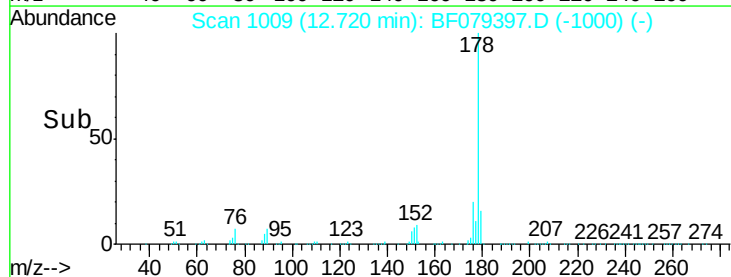
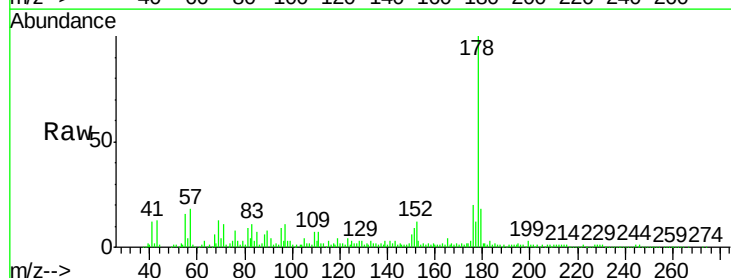
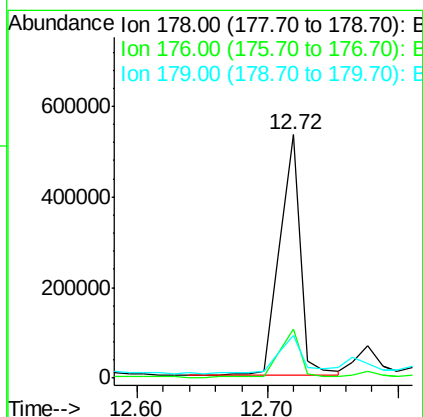
RT: 12.72 min Scan# 1009

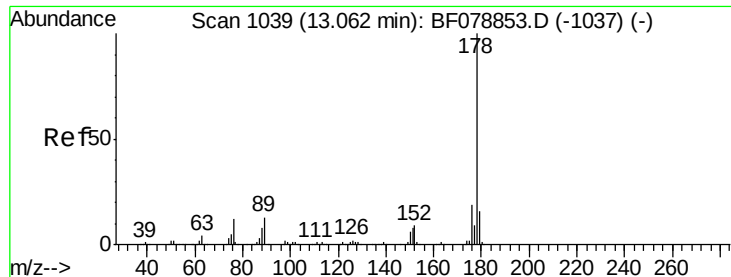
Delta R.T. -0.02 min

Lab File: BF079397.D

Acq: 21 May 2015 00:16

Tgt Ion:	178	Resp:	595323
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.9	23.9
179	17.8	12.2	18.4





#71

Anthracene

Concen: 6.48 ng m

RT: 12.78 min Scan# 1014

Delta R.T. -0.03 min

Lab File: BF079397.D

Acq: 21 May 2015 00:16

Instrument :

BNA_F

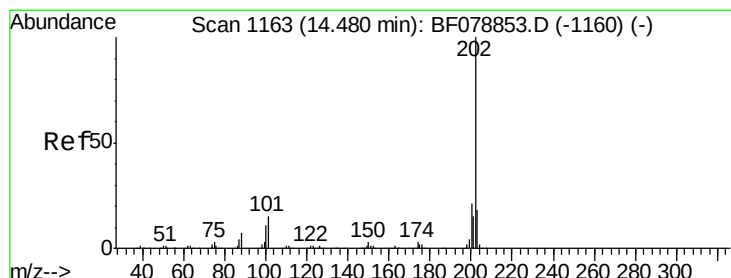
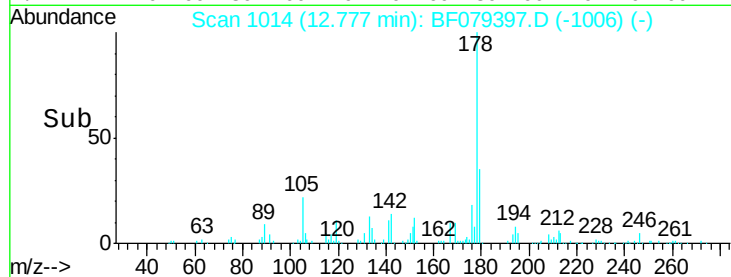
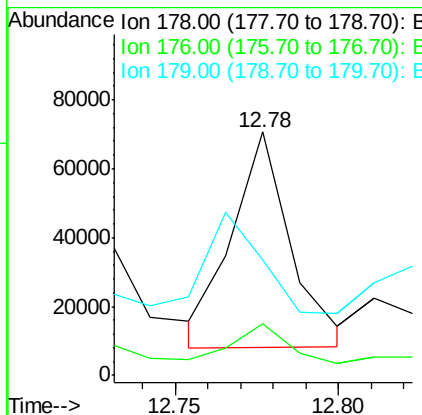
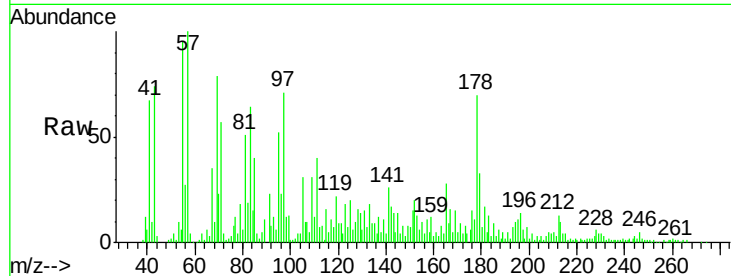
ClientSampled :

TOPSOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.3	22.9
179	47.3	12.6	19.0

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#74

Fluoranthene

Concen: 4.48 ng

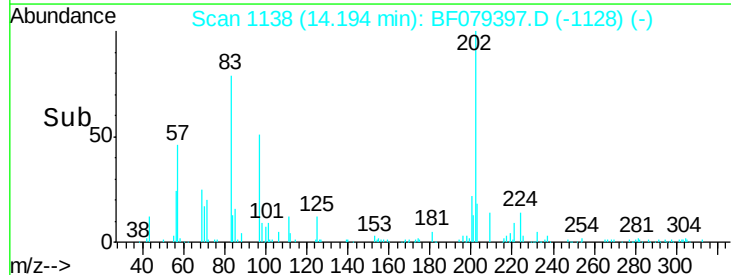
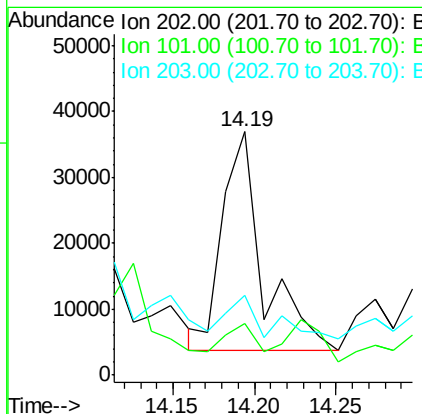
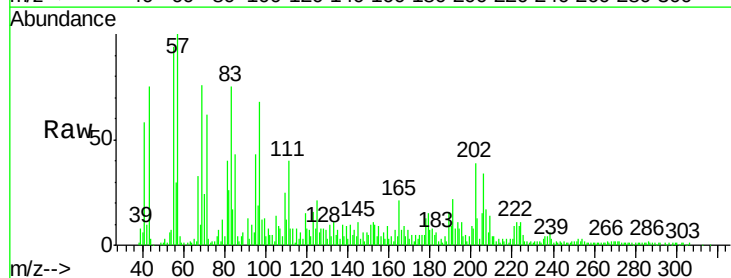
RT: 14.19 min Scan# 1138

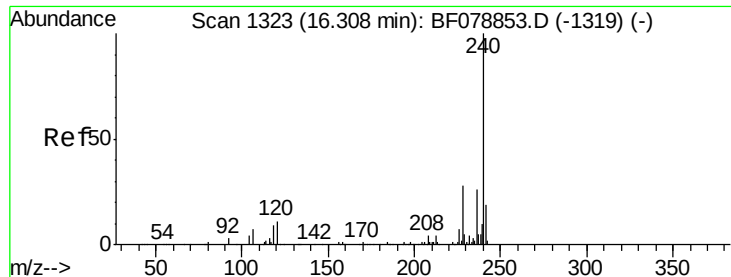
Delta R.T. -0.03 min

Lab File: BF079397.D

Acq: 21 May 2015 00:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	21.2	0.0	34.7
203	32.7	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.97 min Scan# 1293

Delta R.T. -0.06 min

Lab File: BF079397.D

Acq: 21 May 2015 00:16

Instrument :

BNA_F

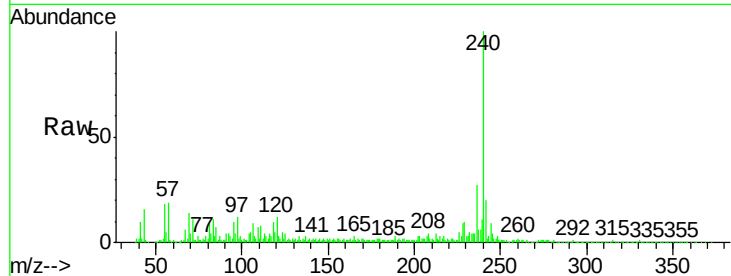
ClientSampleId :

TOPSOIL

Tot Ion:	240	Resp:	247012
Ion Ratio	Lower	Upper	
240	100		
120	12.1	8.6	12.8
236	26.8	21.0	31.6

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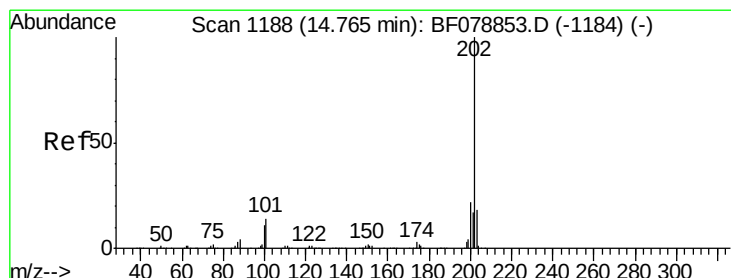
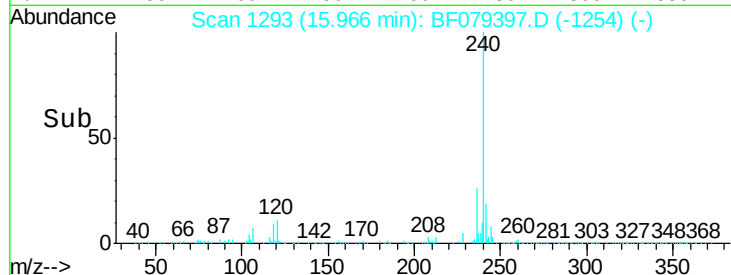
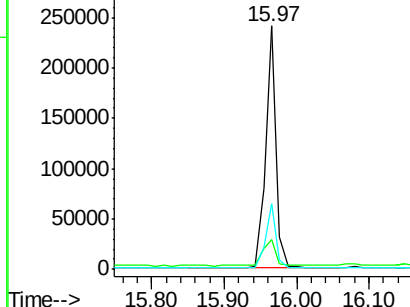
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.72 ng

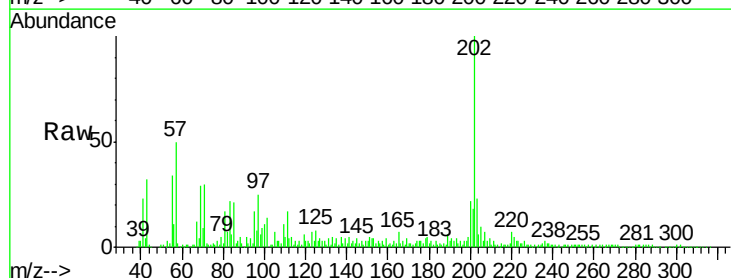
RT: 14.47 min Scan# 1162

Delta R.T. -0.03 min

Lab File: BF079397.D

Acq: 21 May 2015 00:16

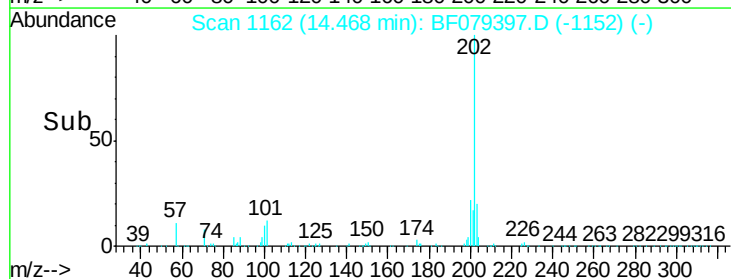
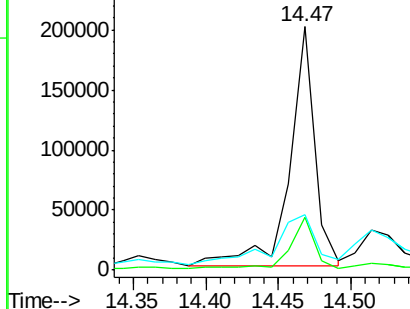
Tgt Ion:	202	Resp:	238036
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.5	26.3
203	22.9	14.7	22.1#

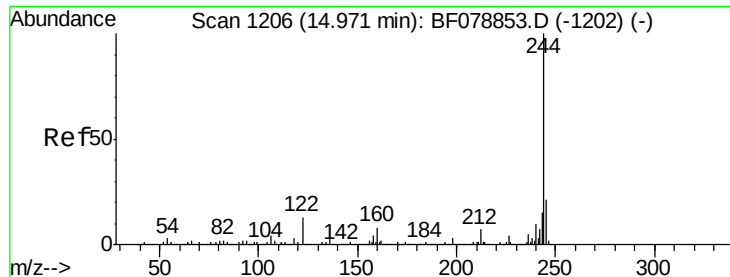


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.85 ng

RT: 14.67 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF079397.D

Acq: 21 May 2015 00:16

Instrument :

BNA_F

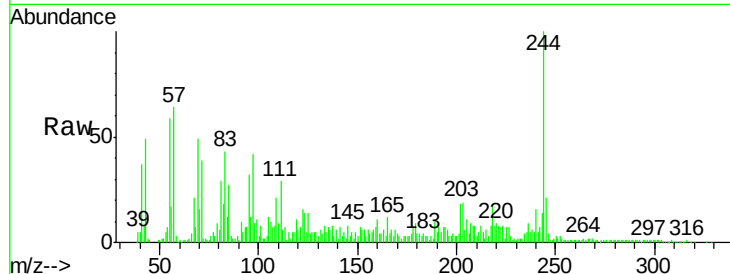
ClientSampled :

TOPSOIL

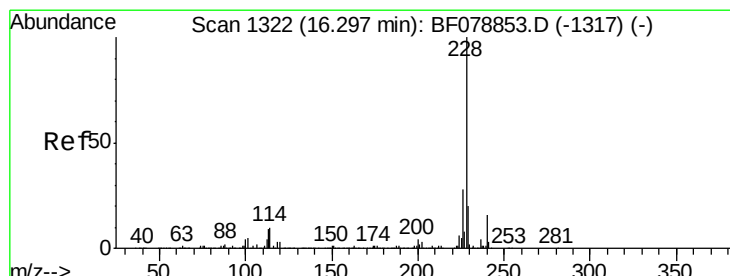
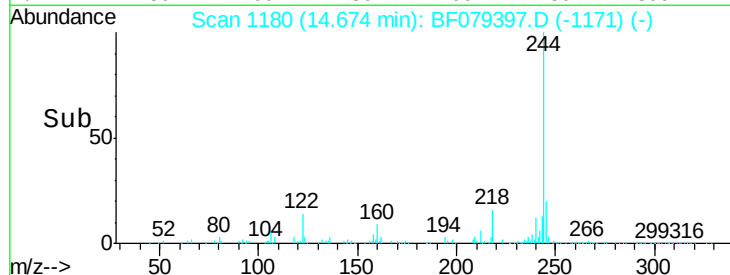
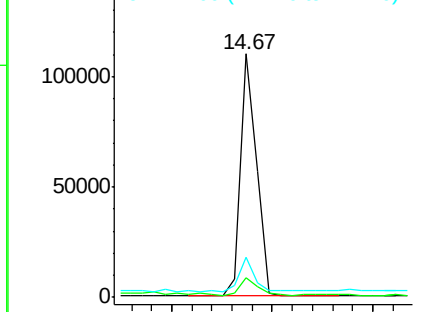
Tot Ion:	244	Resp:	122245
Ion Ratio		Lower	Upper
244	100		
212	8.0	5.6	8.4
122	16.3	10.5	15.7

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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: 7.12 ng

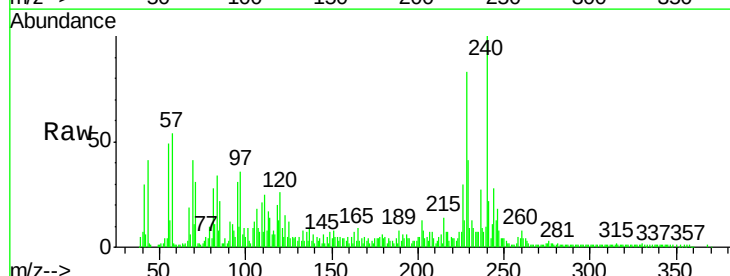
RT: 15.95 min Scan# 1292

Delta R.T. -0.06 min

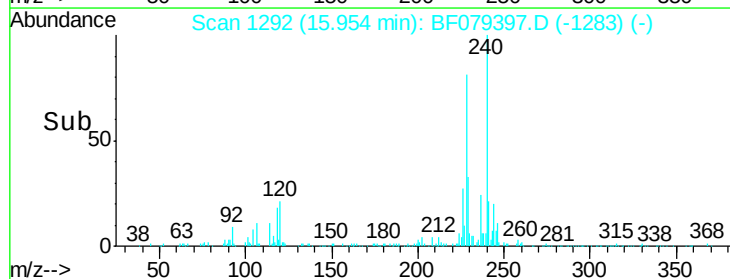
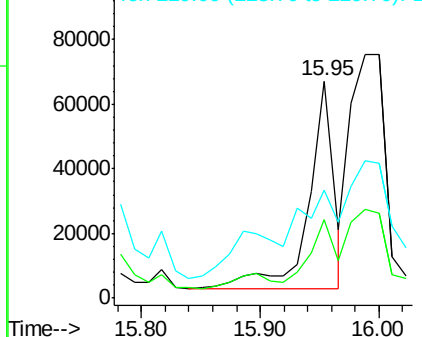
Lab File: BF079397.D

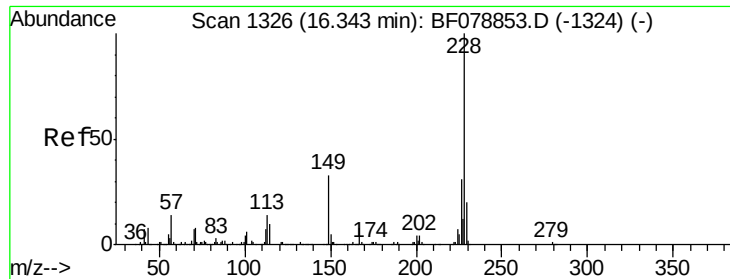
Acq: 21 May 2015 00:16

Tgt Ion:	228	Resp:	96307
Ion Ratio		Lower	Upper
228	100		
226	36.0	22.3	33.5
229	49.6	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





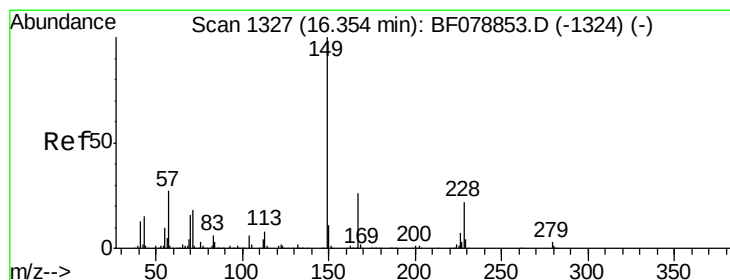
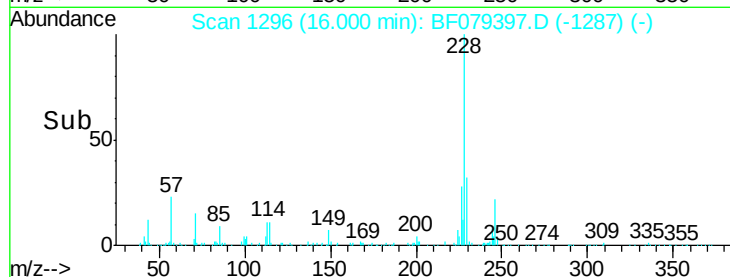
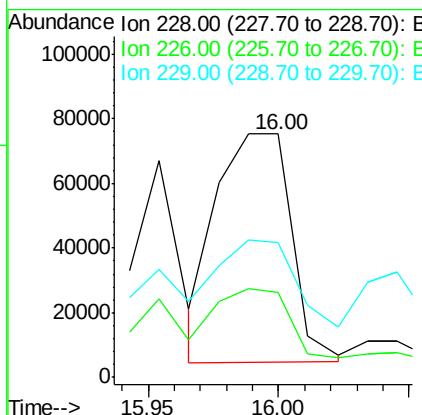
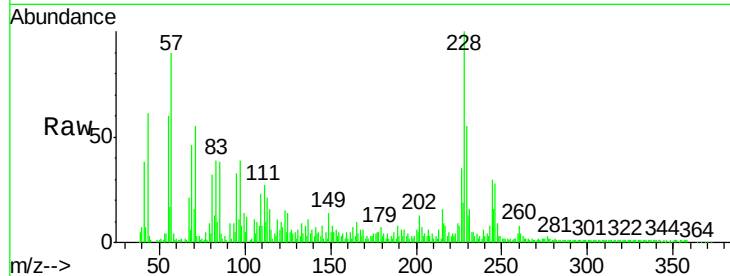
#82
Chrysene
Concen: 10.90 ng
RT: 16.00 min Scan# 1296
Delta R.T. -0.06 min
Lab File: BF079397.D
Acq: 21 May 2015 00:16

Instrument :
BNA_F
ClientSampled :
TOPSOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.1	24.8	37.2
229	55.2	16.1	24.1

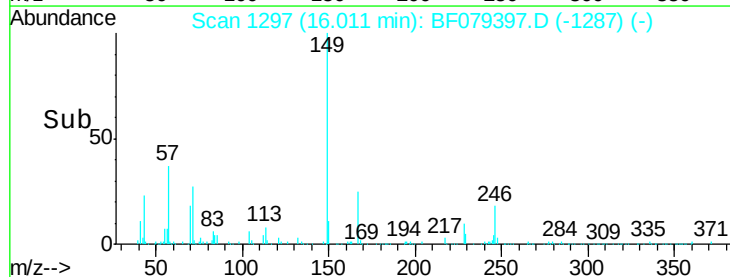
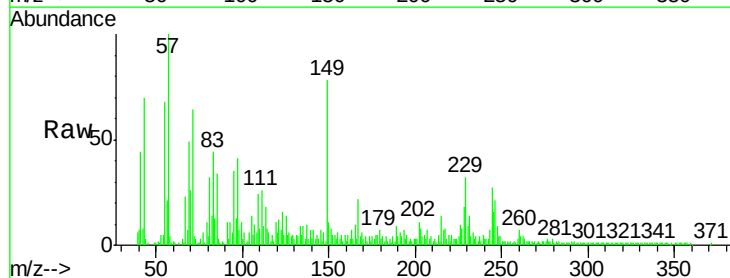
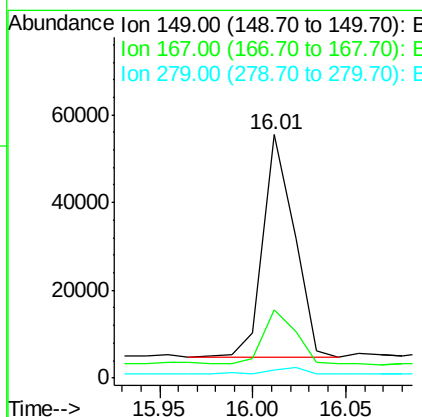
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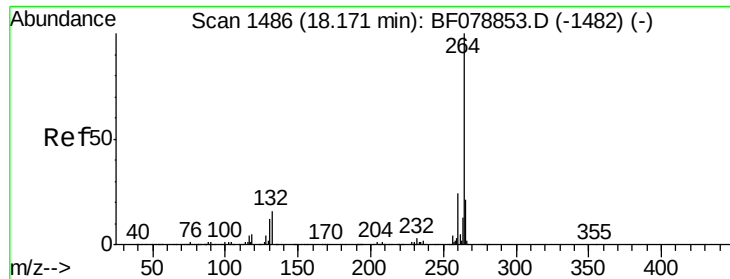
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#83
Bis(2-ethylhexyl)phthalate
Concen: 6.30 ng
RT: 16.01 min Scan# 1297
Delta R.T. -0.06 min
Lab File: BF079397.D
Acq: 21 May 2015 00:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.2	31.8
279	3.5	2.6	4.0





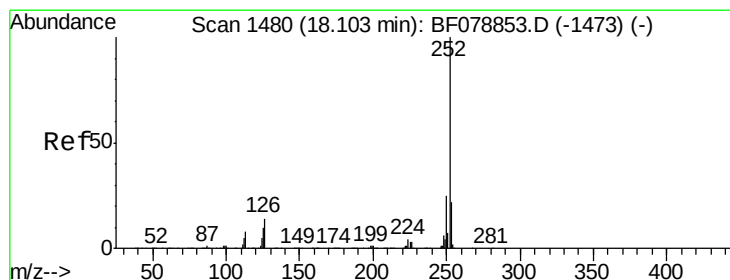
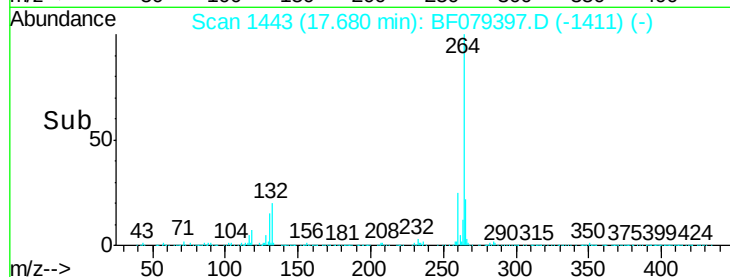
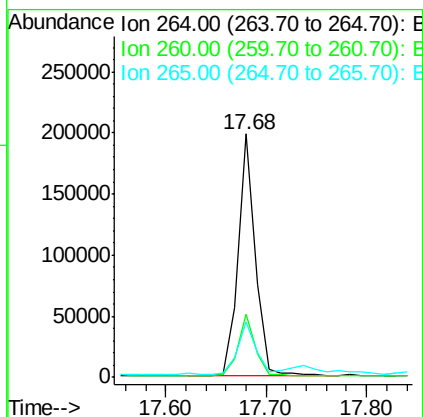
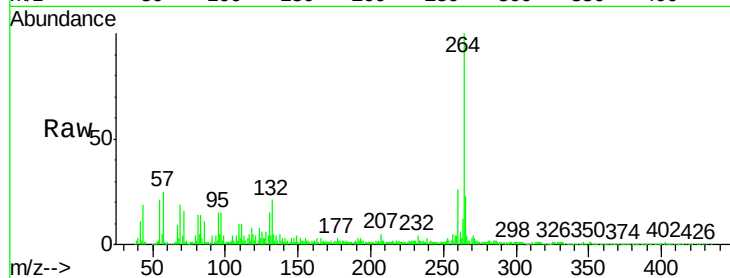
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.68 min Scan# 1443
Delta R.T. -0.14 min
Lab File: BF079397.D
Acq: 21 May 2015 00:16

Instrument :
BNA_F
ClientSampled :
TOPSOIL

Tot Ion:	264	Resp:	234923
Ion Ratio	Lower	Upper	
264	100		
260	25.9	19.2	28.8
265	22.8	17.2	25.8

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 3.54 ng
RT: 17.61 min Scan# 1437
Delta R.T. -0.14 min
Lab File: BF079397.D
Acq: 21 May 2015 00:16

Tgt Ion:	252	Resp:	41890
Ion Ratio	Lower	Upper	
252	100		
253	41.1	18.0	27.0#
125	49.1	8.2	12.2#

