

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
 Data File : BF078397.D
 Acq On : 10 Apr 2015 11:37
 Operator : TP/IZ
 Sample : G1794-04RE
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-1RE

Manual Integrations
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Quant Time: Apr 10 13:21:25 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 11:29:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	47040	20.00	ng	0.00
21) Naphthalene-d8	8.46	136	198139	20.00	ng	0.00
38) Acenaphthene-d10	10.63	164	98778	20.00	ng	-0.01
63) Phenanthrene-d10	12.45	188	184140	20.00	ng	-0.01
75) Chrysene-d12	15.71	240	188478	20.00	ng	-0.03
86) Perylene-d12	17.43	264	185192	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	200645	70.33	ng	-0.02
7) Phenol-d6	6.49	99	258033	72.17	ng	0.01
23) Nitrobenzene-d5	7.58	82	144446	44.19	ng	0.00
41) 2,4,6-Tribromophenol	11.60	330	53783	65.65	ng	-0.02
44) 2-Fluorobiphenyl	9.81	172	262108	37.93	ng	0.00
78) Terphenyl-d14	14.44	244	248676	29.81	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	10.33	163	17037	2.30	ng	99
70) Phenanthrene	12.48	178	159621	14.99	ng	99
71) Anthracene	12.55	178	24279	2.31	ng	98
74) Fluoranthene	13.94	202	359096	31.97	ng	98
77) Pyrene	14.21	202	284302	24.03	ng	# 92
80) Benzo(a)anthracene	15.70	228	153275	13.67	ng	96
82) Chrysene	15.75	228	149123	14.15	ng	98
85) Indeno(1,2,3-cd)pyrene	18.68	276	96574m	8.08	ng	
87) Benzo(b)fluoranthene	16.99	252	251846m	22.00	ng	
88) Benzo(k)fluoranthene	17.03	252	52029m	5.12	ng	
89) Benzo(a)pyrene	17.37	252	133976	13.41	ng	# 96
90) Dibenzo(a,h)anthracene	18.71	278	20287m	2.03	ng	
91) Benzo(a,h,i)perylene	19.05	276	95060m	9.48	ng	

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

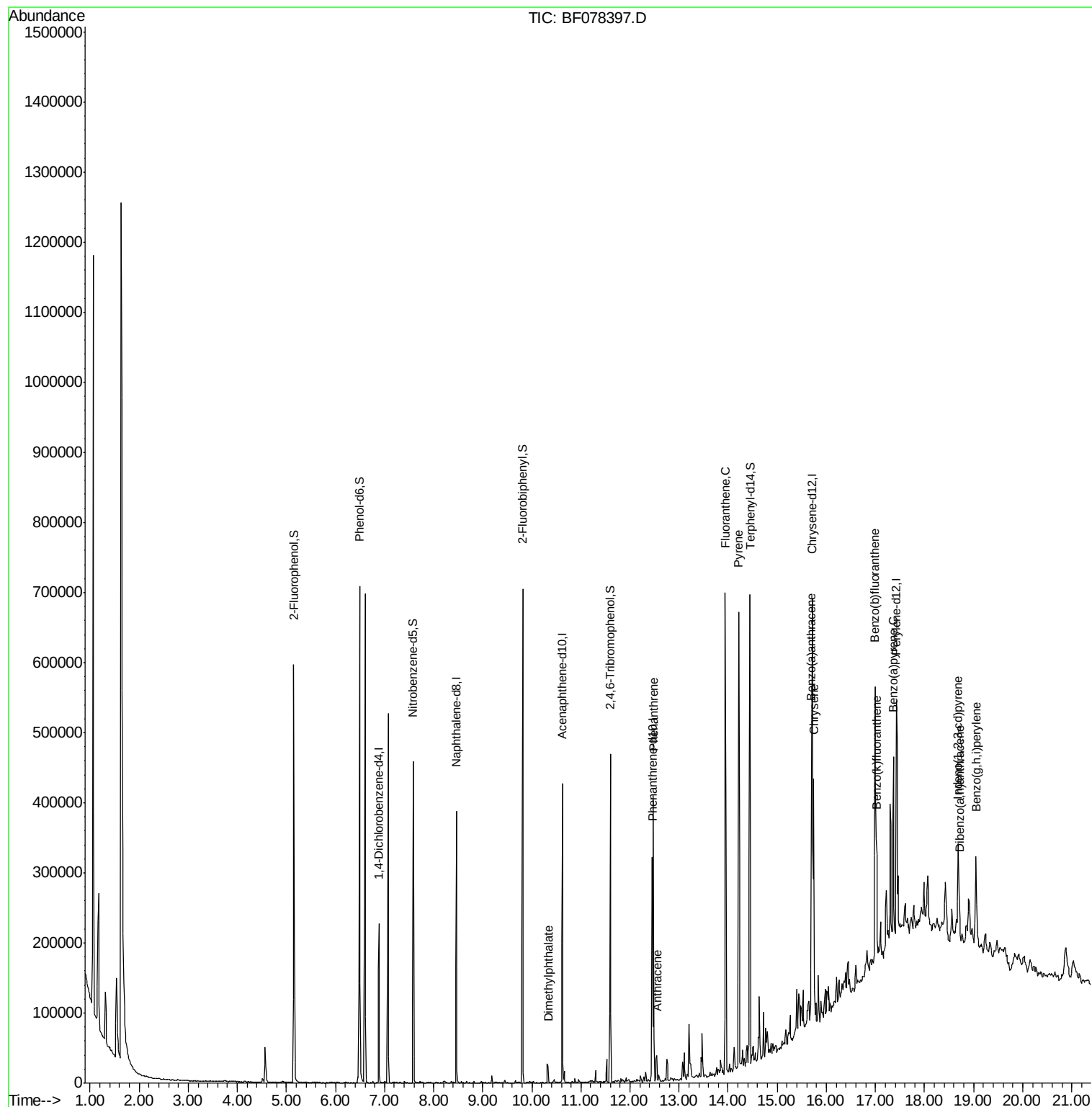
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
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Sample : G1794-04RE
Misc :
ALS Vial : 38 Sample Multiplier: 1

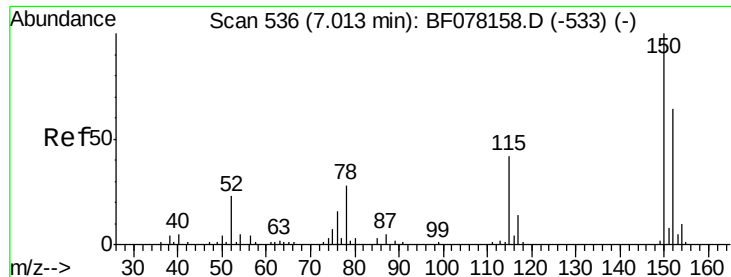
Instrument :
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ClientSampleId :
OUTFALL-1RE

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Quant Time: Apr 10 13:21:25 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
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#1

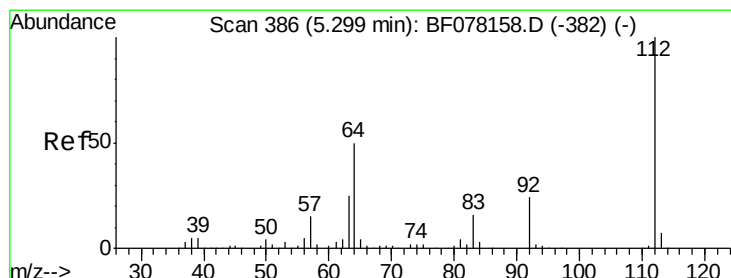
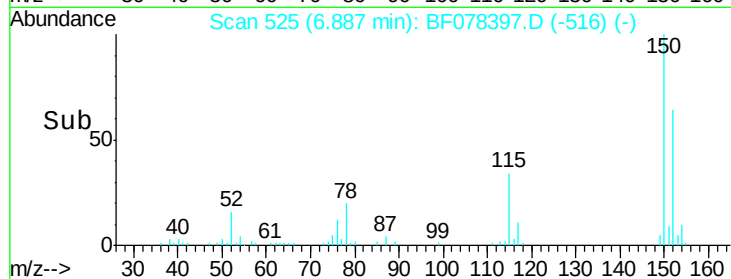
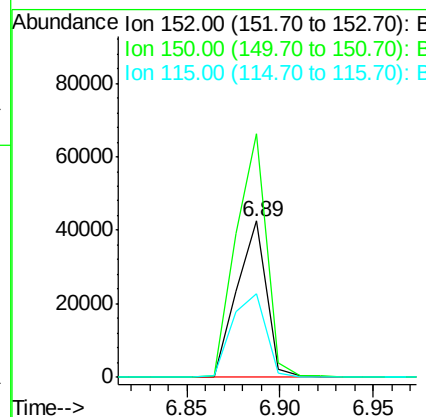
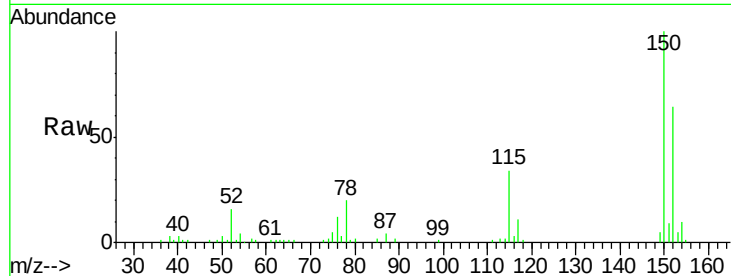
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Instrument :
BNA_F
ClientSampleId :
OUTFALL-1RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.9	188.9
115	53.2	52.7	79.1

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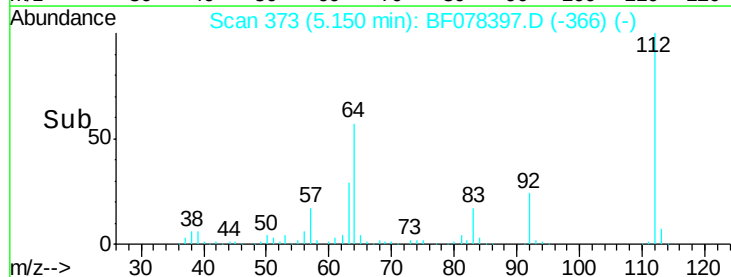
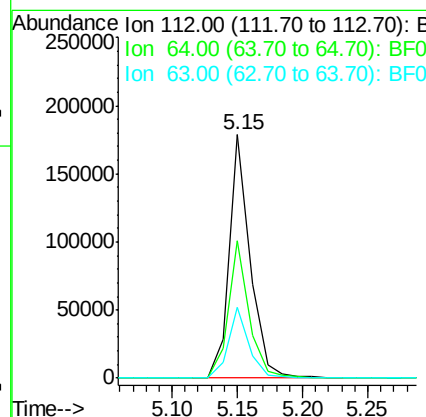
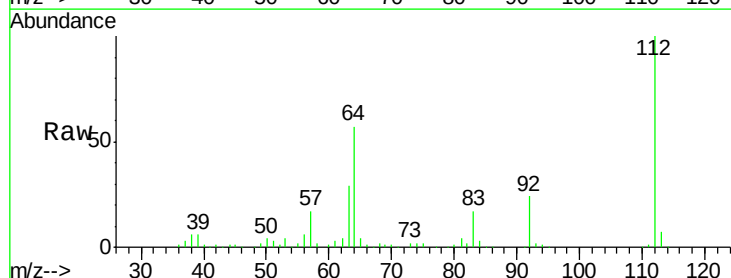
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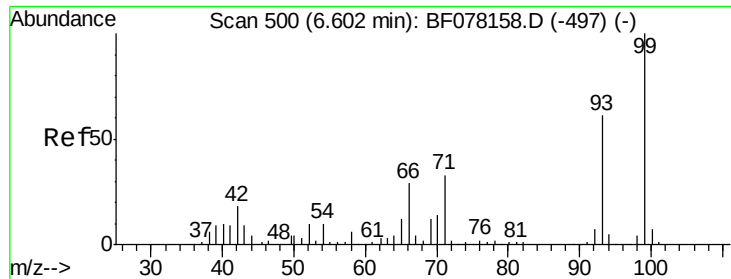


#5

2-Fluorophenol
Concen: 70.33 ng
RT: 5.15 min Scan# 373
Delta R.T. -0.02 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	39.9	59.9
63	28.8	20.2	30.4





#7

Phenol-d6

Concen: 72.17 ng

RT: 6.49 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Instrument :

BNA_F

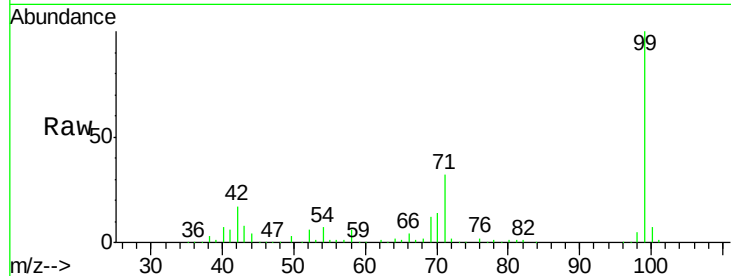
ClientSampleId :

OUTFALL-1RE

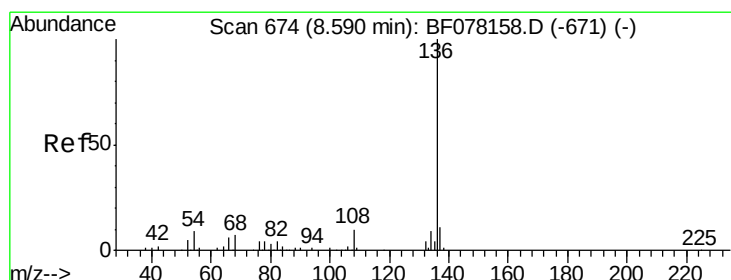
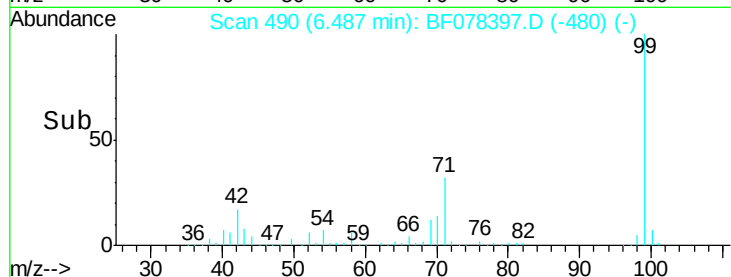
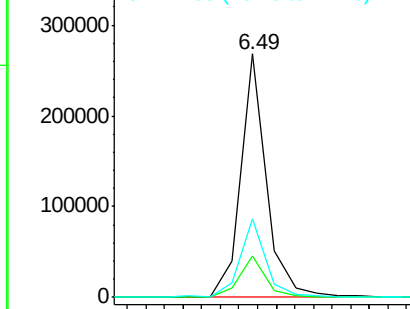
Tot Ion:	99	Resp:	258033
Ion Ratio	Lower	Upper	
99	100		
42	17.1	14.8	22.2
71	32.1	26.6	39.8

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

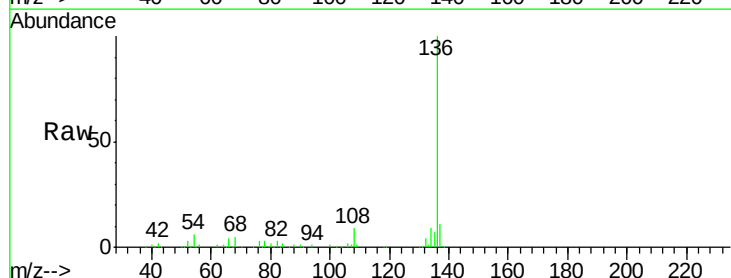
RT: 8.46 min Scan# 663

Delta R.T. 0.00 min

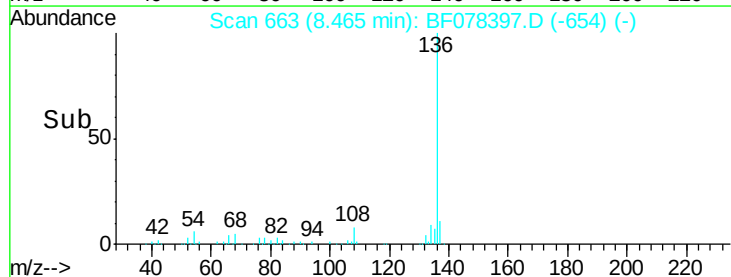
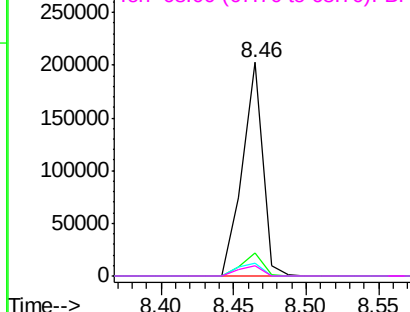
Lab File: BF078397.D

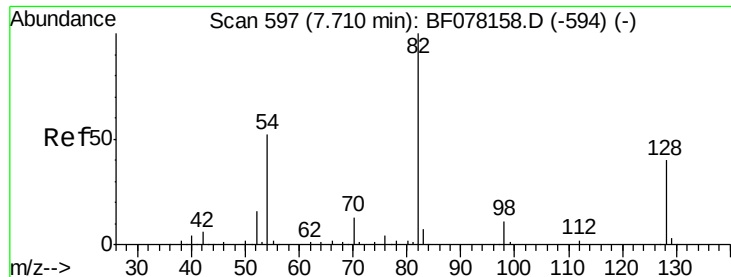
Acq: 10 Apr 2015 11:37

Tgt Ion:	136	Resp:	198139
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	6.1	7.0	10.6#
68	4.8	5.4	8.2#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





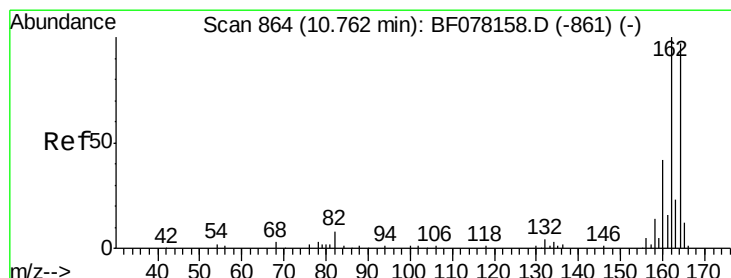
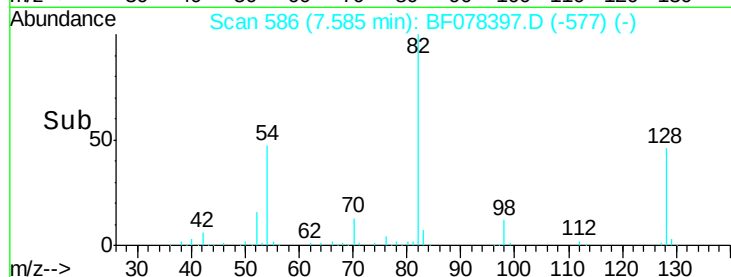
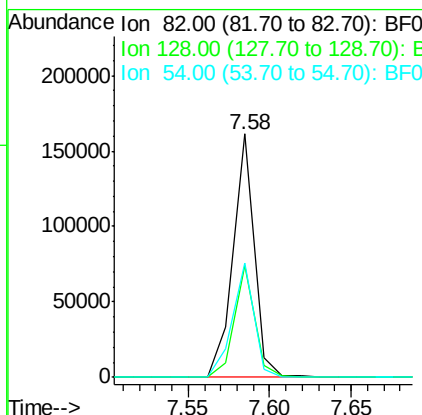
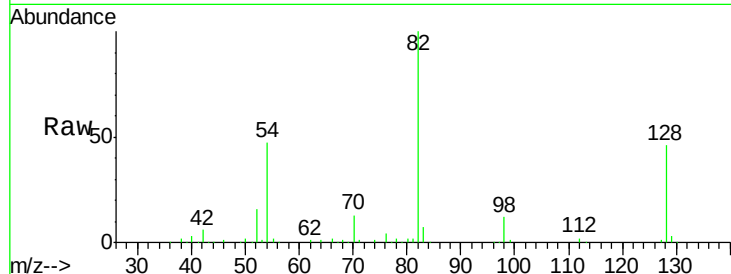
#23
 Nitrobenzene-d5
 Concen: 44.19 ng
 RT: 7.58 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: BF078397.D
 Acq: 10 Apr 2015 11:37

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-1RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	31.8	47.8
54	46.9	41.5	62.3

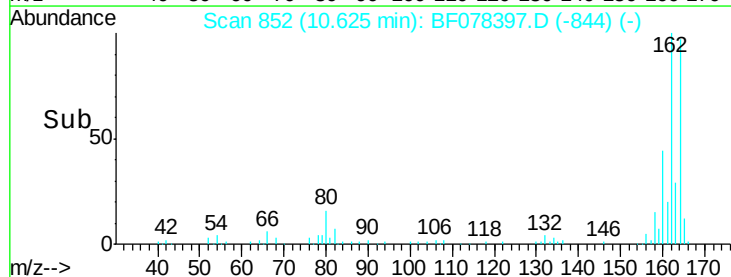
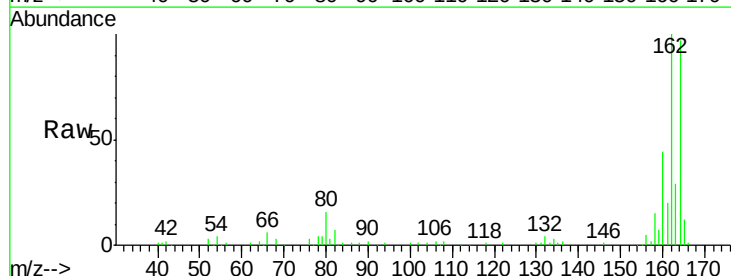
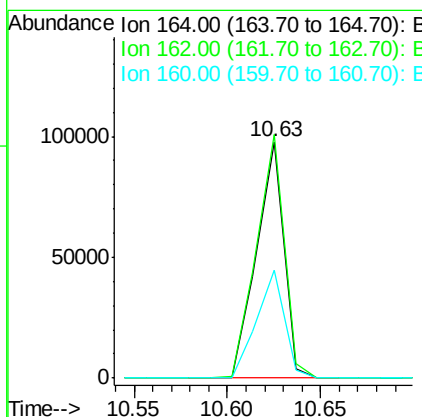
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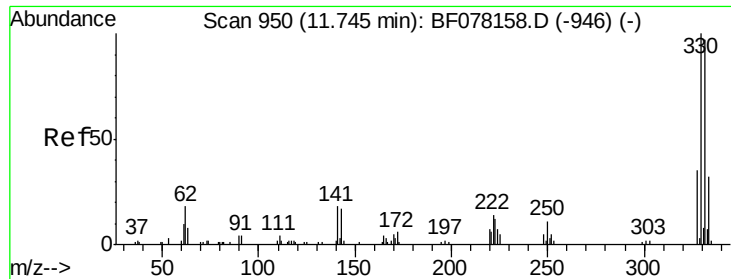
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.63 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF078397.D
 Acq: 10 Apr 2015 11:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.2	123.2
160	45.8	34.7	52.1





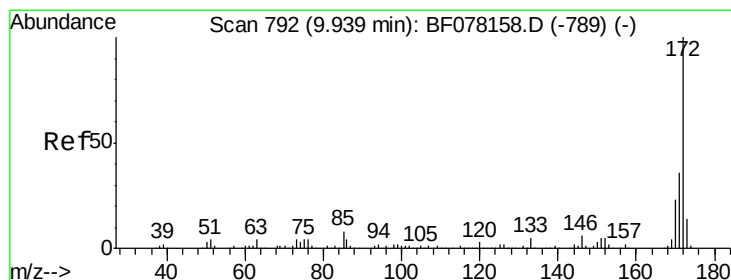
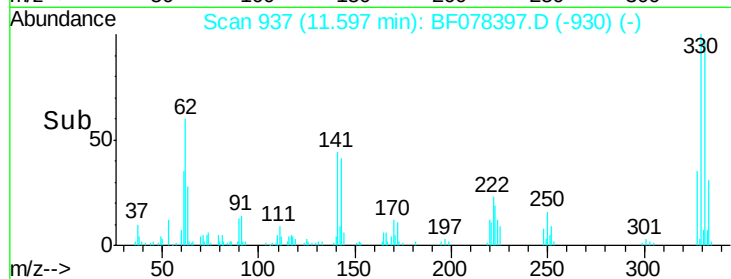
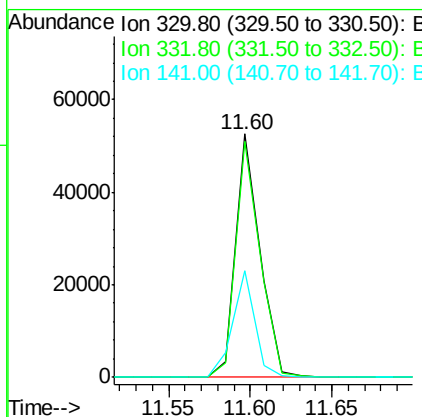
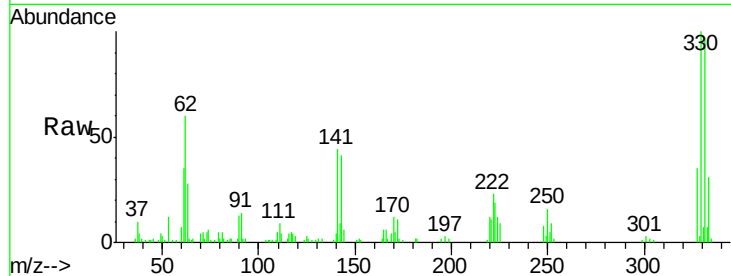
#41
 2,4,6-Tribromophenol
 Concen: 65.65 ng
 RT: 11.60 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: BF078397.D
 Acq: 10 Apr 2015 11:37

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-1RE

Tot Ion:	330	Resp:	53783
Ion Ratio	Lower	Upper	
330	100		
332	96.9	78.6	117.8
141	39.9	31.2	46.8

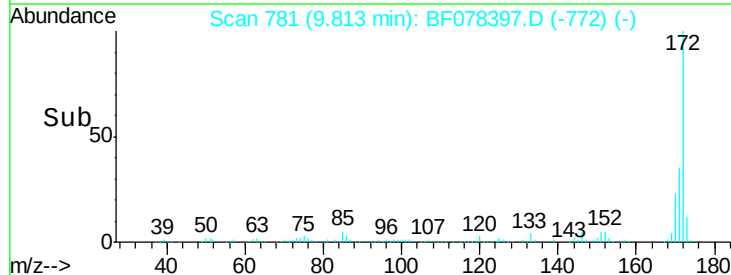
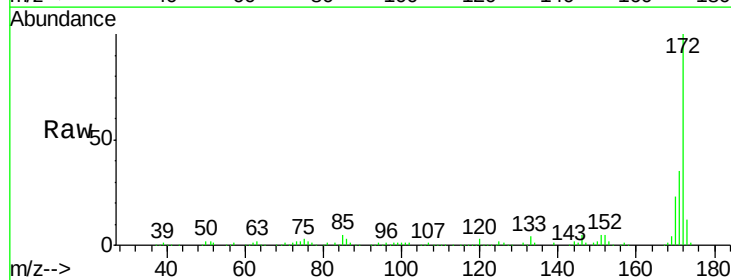
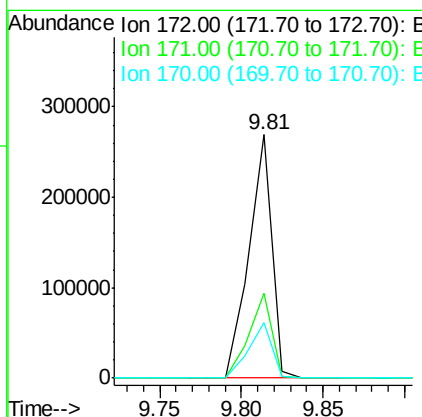
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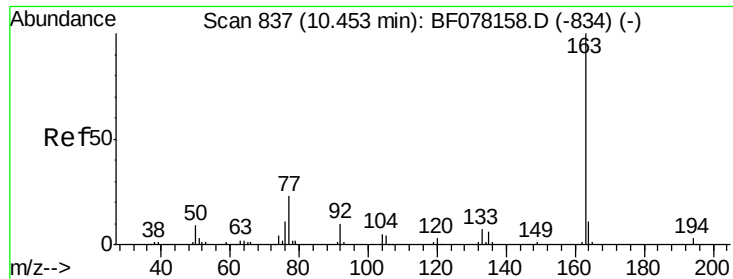
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#44
 2-Fluorobiphenyl
 Concen: 37.93 ng
 RT: 9.81 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: BF078397.D
 Acq: 10 Apr 2015 11:37

Tgt Ion:	172	Resp:	262108
Ion Ratio	Lower	Upper	
172	100		
171	35.0	28.6	42.8
170	22.9	18.5	27.7





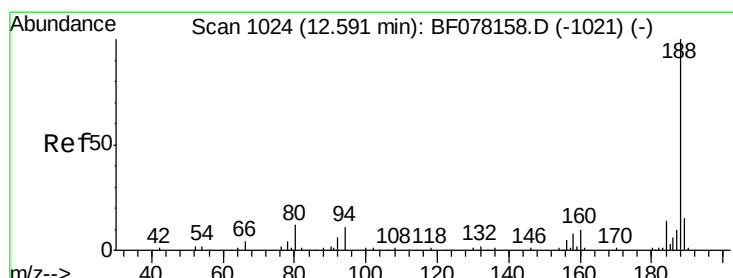
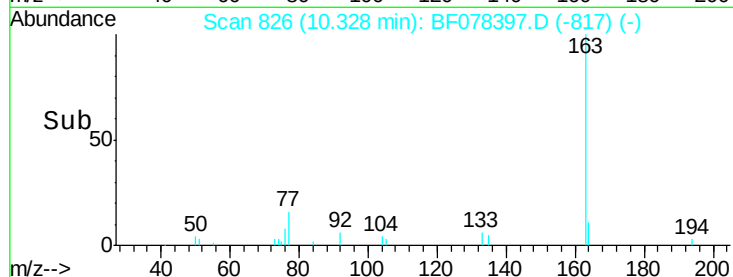
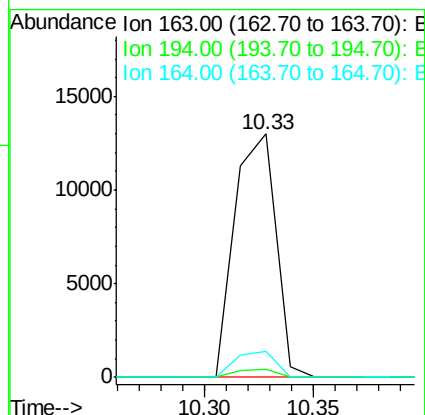
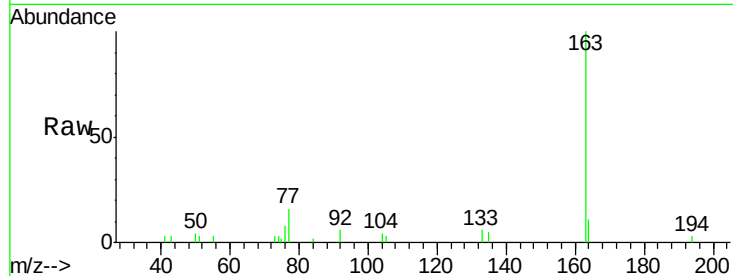
#49
Dimethylphthalate
Concen: 2.30 ng
RT: 10.33 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Instrument :
BNA_F
ClientSampleId :
OUTFALL-1RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	17037		
194	3.4		2.3	3.5
164	10.7		8.6	13.0

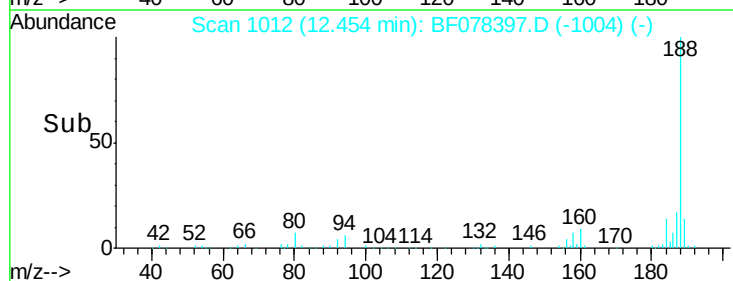
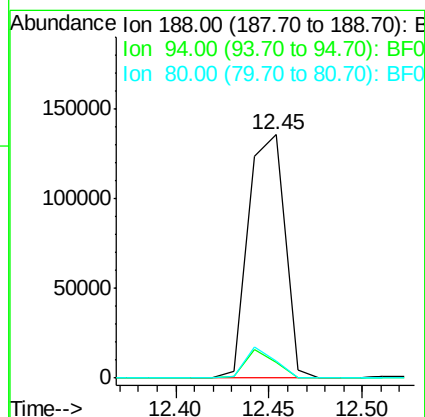
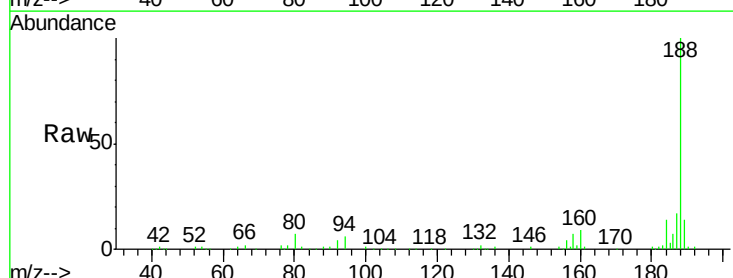
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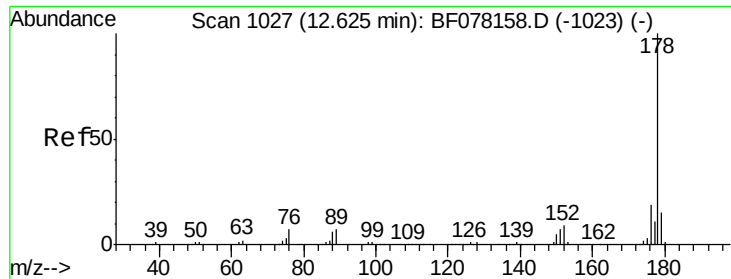
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.45 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	184140		
94	6.4		9.0	13.4#
80	6.9		9.5	14.3#





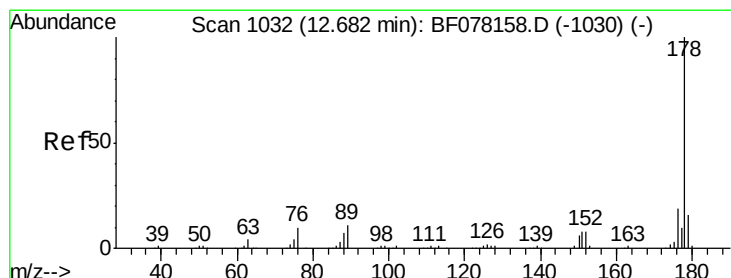
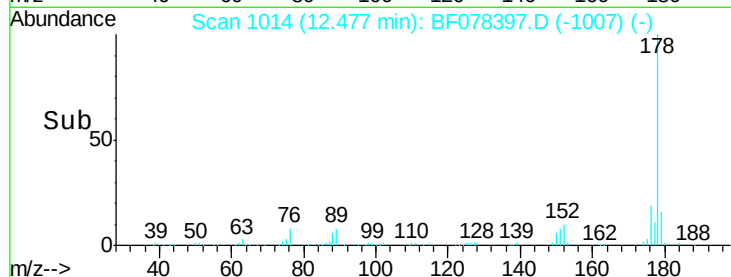
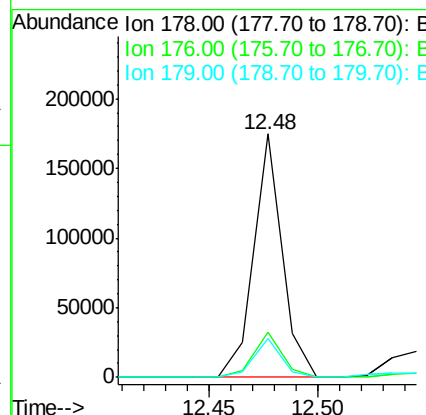
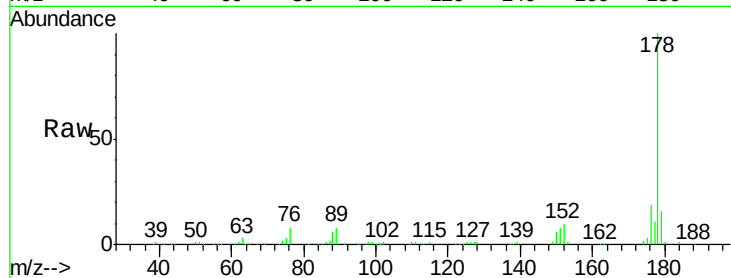
#70
Phenanthrene
Concen: 14.99 ng
RT: 12.48 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Instrument :
BNA_F
ClientSampleId :
OUTFALL-1RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.9	12.2	18.2

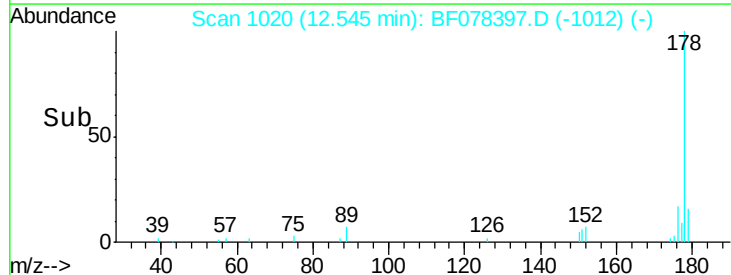
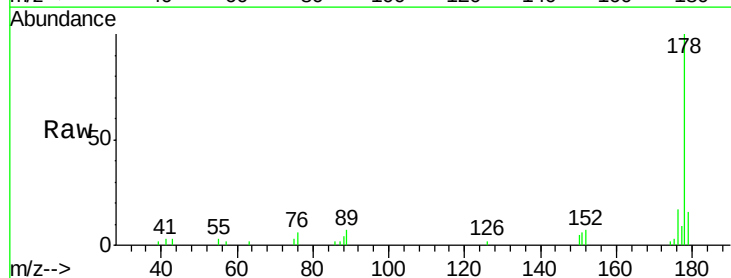
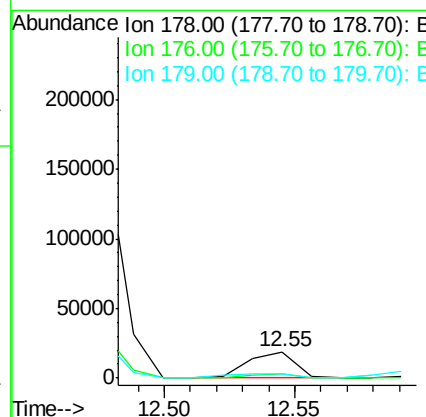
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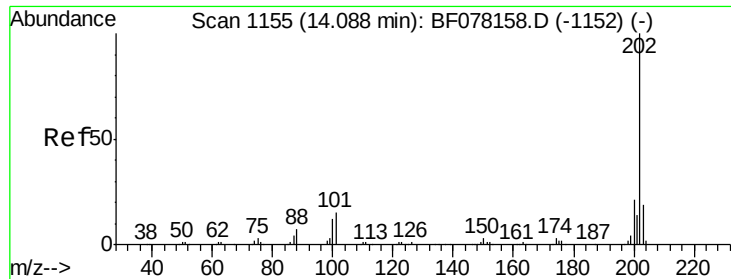
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#71
Anthracene
Concen: 2.31 ng
RT: 12.55 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.8	22.2
179	16.0	12.4	18.6





#74

Fluoranthene

Concen: 31.97 ng

RT: 13.94 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Instrument :

BNA_F

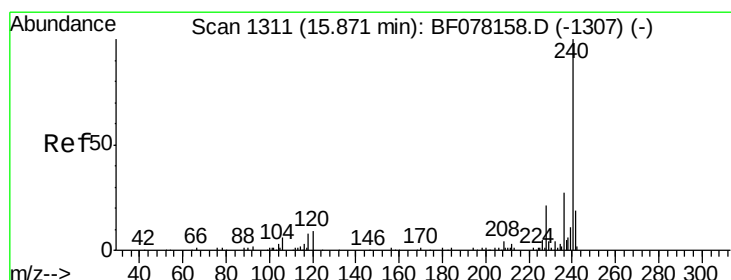
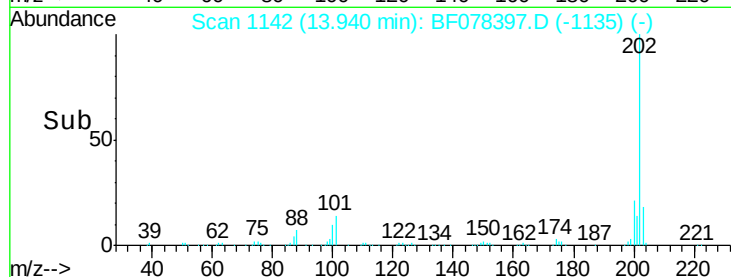
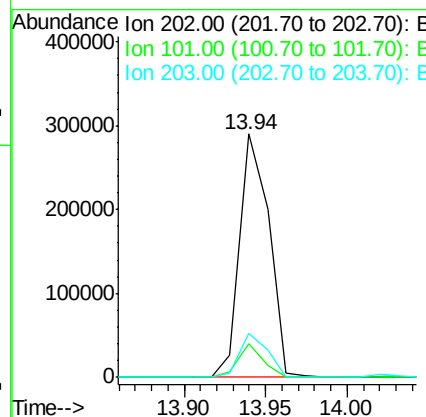
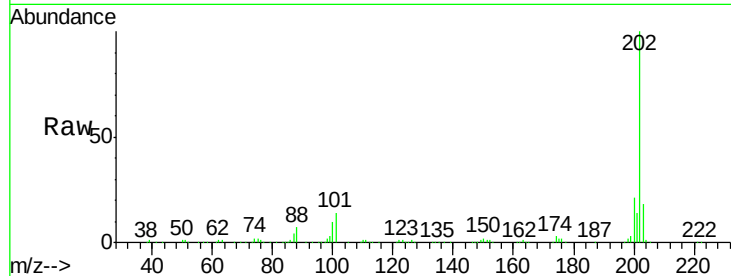
ClientSampleId :

OUTFALL-1RE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	0.0	35.2
203	18.0	0.0	38.5

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#75

Chrysene-d12

Concen: 20.00 ng

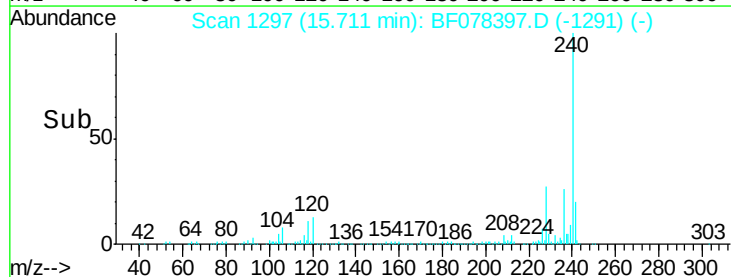
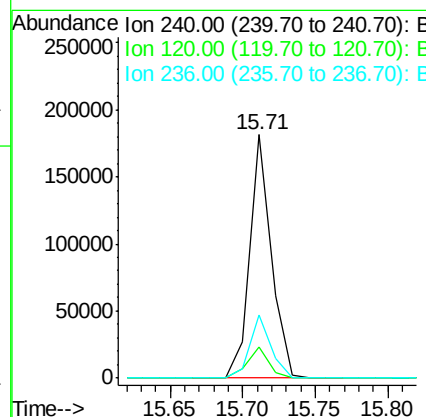
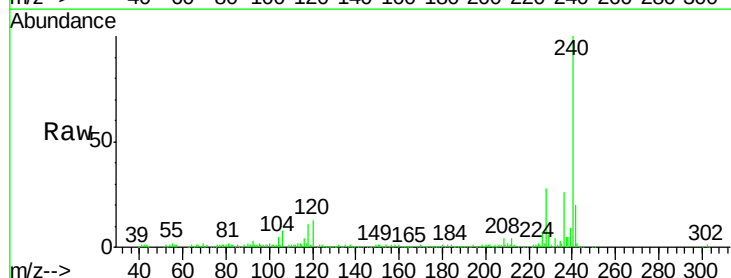
RT: 15.71 min Scan# 1297

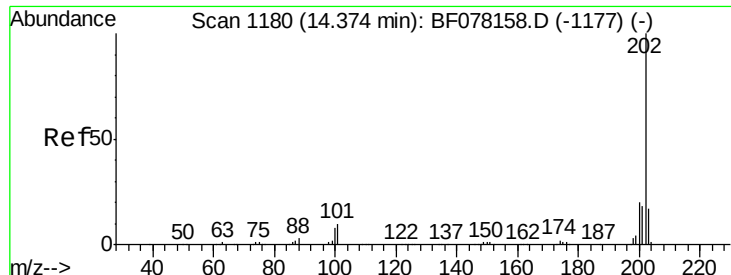
Delta R.T. -0.03 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	7.1	10.7#
236	26.0	21.4	32.2





#77

Pvrene

Concen: 24.03 ng

RT: 14.21 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Instrument :

BNA_F

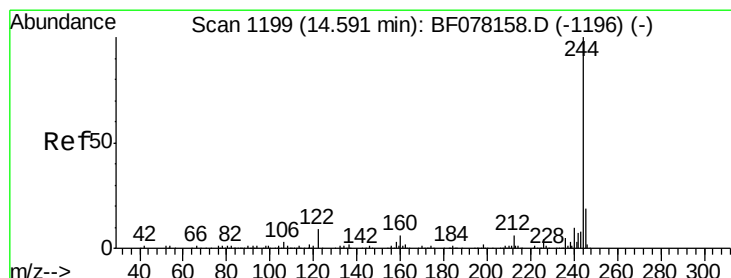
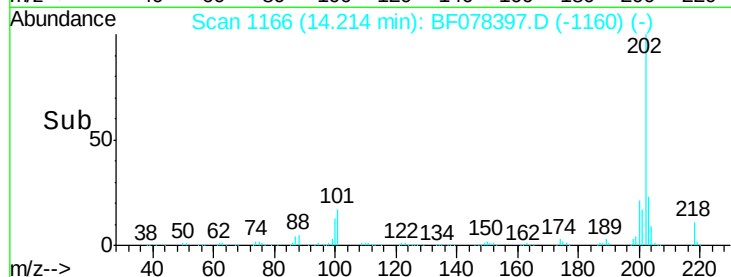
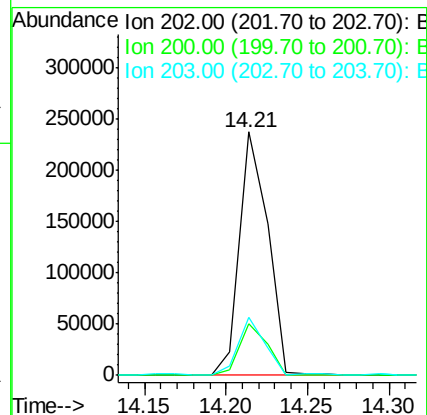
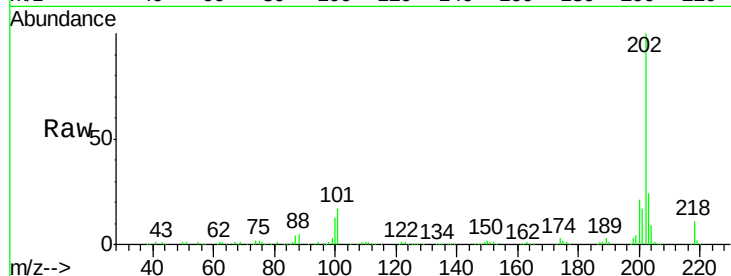
ClientSampleId :

OUTFALL-1RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.3	16.3	24.5		
203	23.8	13.8	20.6		

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#78

Terphenyl-d14

Concen: 29.81 ng

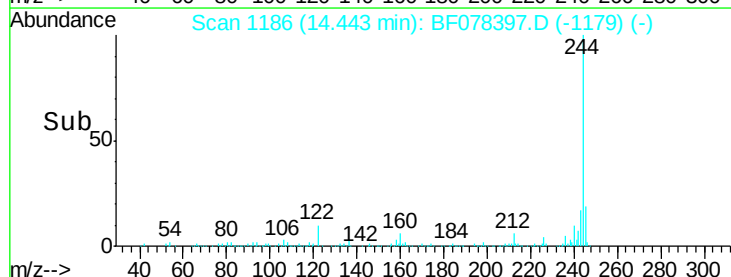
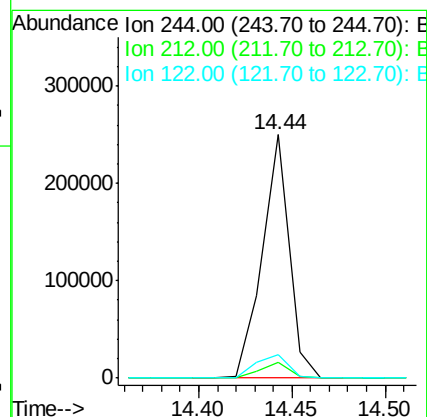
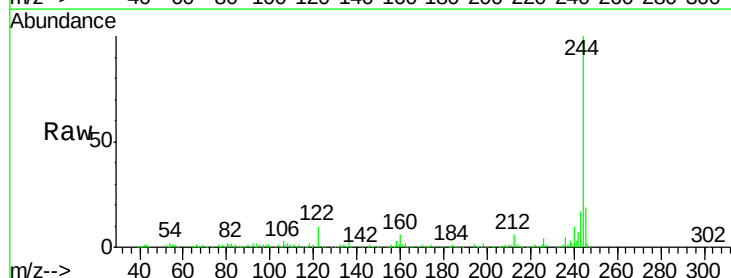
RT: 14.44 min Scan# 1186

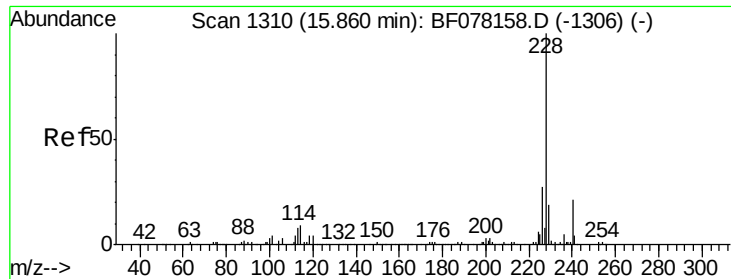
Delta R.T. -0.02 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.3	5.0	7.4		
122	9.7	7.1	10.7		





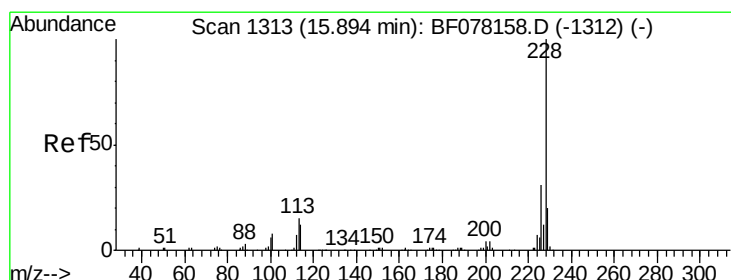
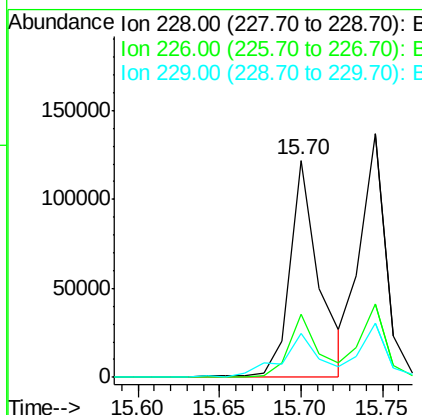
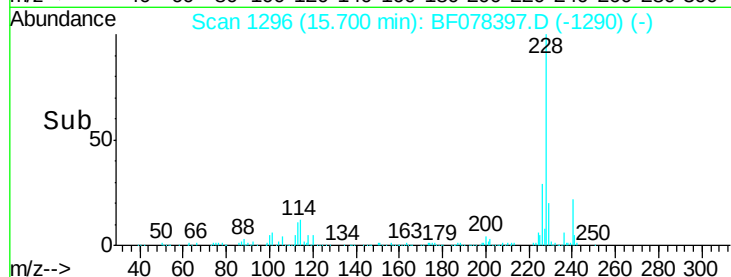
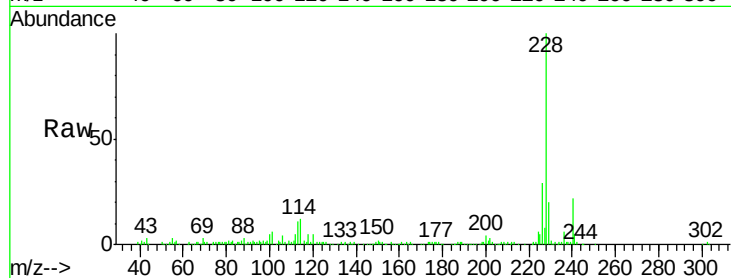
#80
Benzo(a)anthracene
Concen: 13.67 ng
RT: 15.70 min Scan# 1296
Delta R.T. -0.03 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Instrument :
BNA_F
ClientSampleId :
OUTFALL-1RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	29.0	21.3	31.9		
229	20.2	15.4	23.2		

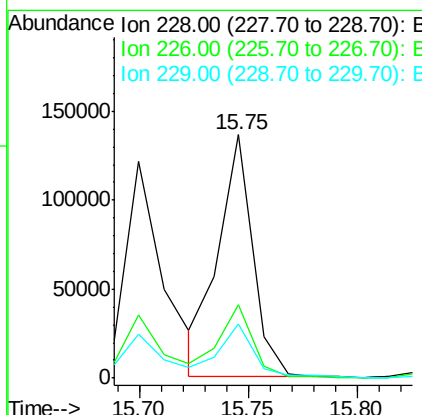
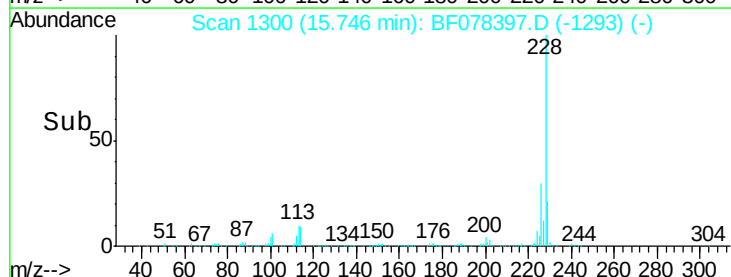
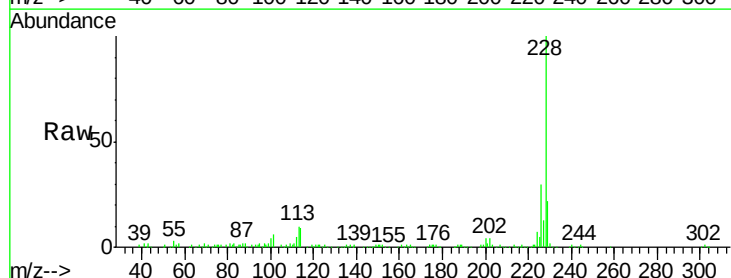
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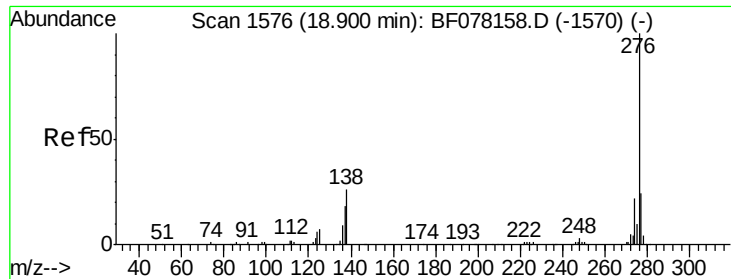
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#82
Chrysene
Concen: 14.15 ng
RT: 15.75 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.2	24.2	36.4		
229	22.1	15.8	23.8		





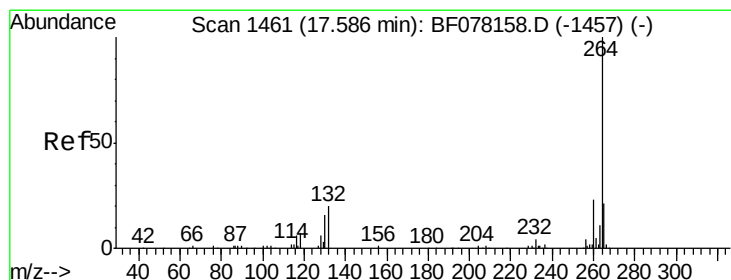
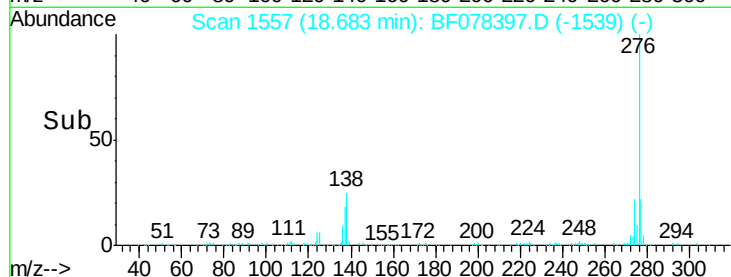
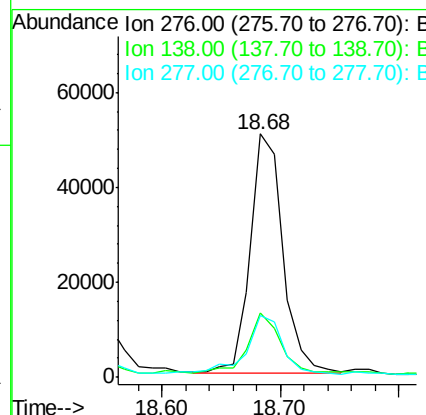
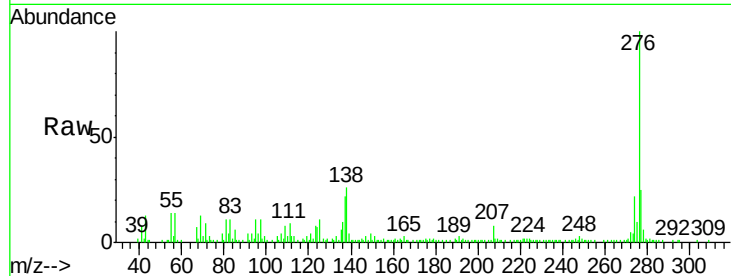
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.08 ng/mL
 RT: 18.68 min Scan# 1557
 Delta R.T. -0.09 min
 Lab File: BF078397.D
 Acq: 10 Apr 2015 11:37

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-1RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.6	16.9	25.3#
277	4.7	15.8	23.6#

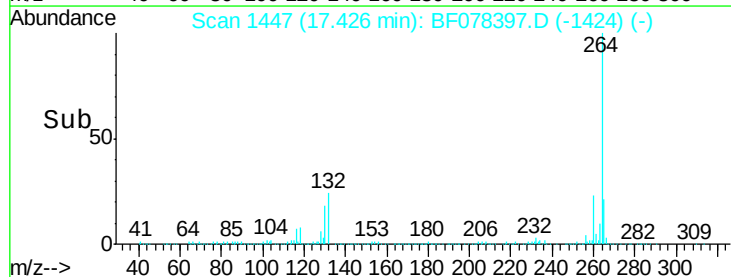
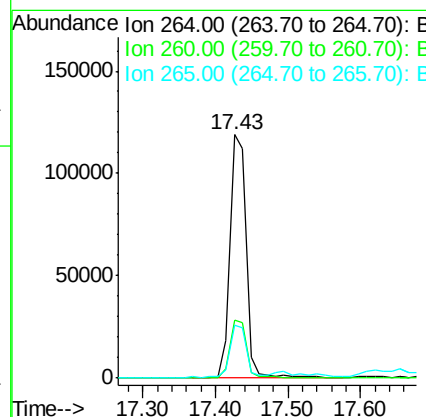
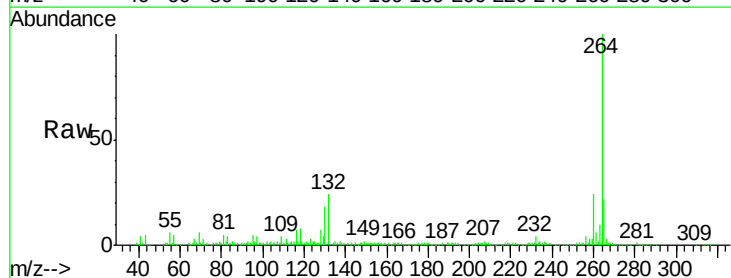
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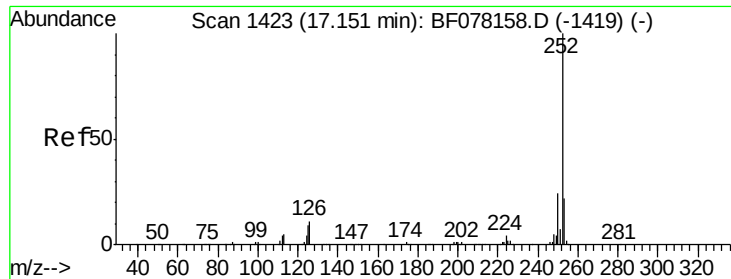
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.43 min Scan# 1447
 Delta R.T. -0.03 min
 Lab File: BF078397.D
 Acq: 10 Apr 2015 11:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.5	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 22.00 ng m

RT: 16.99 min Scan# 1409

Delta R.T. -0.03 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Instrument :

BNA_F

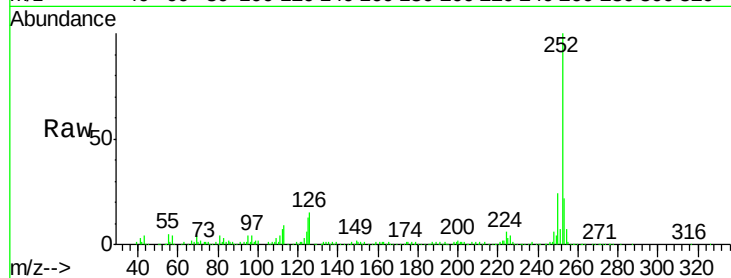
ClientSampleId :

OUTFALL-1RE

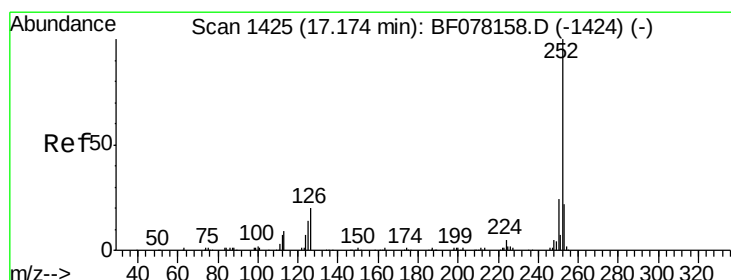
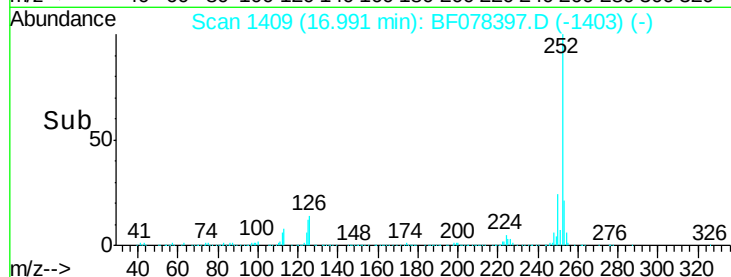
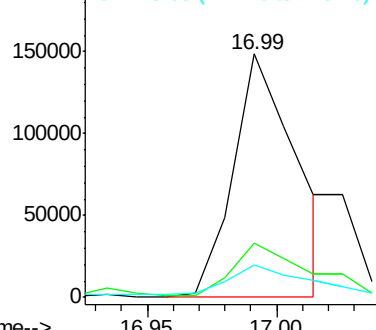
Tot Ion:	252	Resp:	251846
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.2	25.8
125	13.4	7.0	10.4

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.12 ng m

RT: 17.03 min Scan# 1412

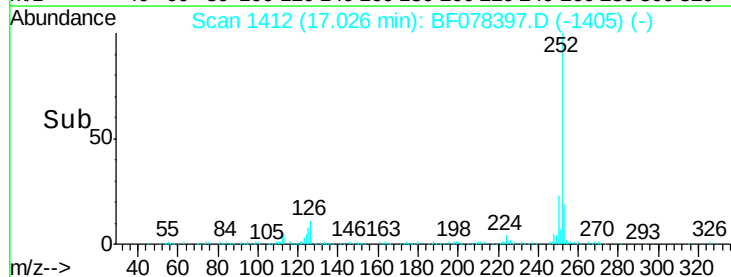
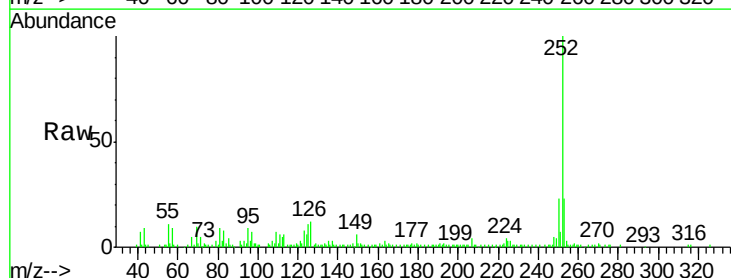
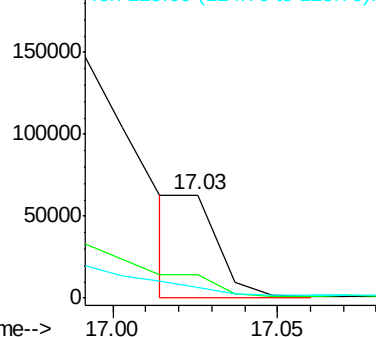
Delta R.T. -0.02 min

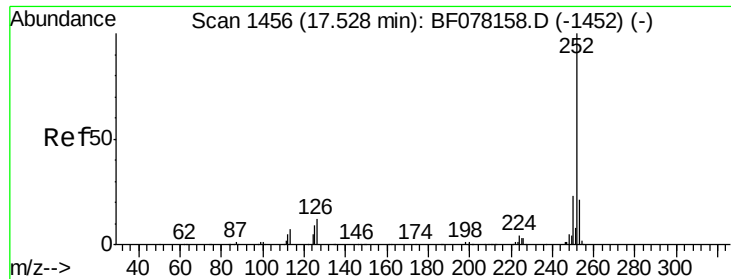
Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Tgt Ion:	252	Resp:	52029
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	10.7	11.6	17.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





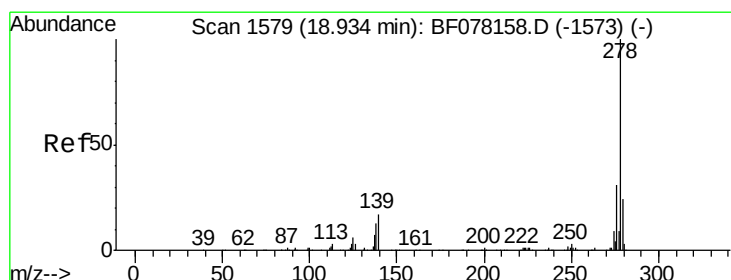
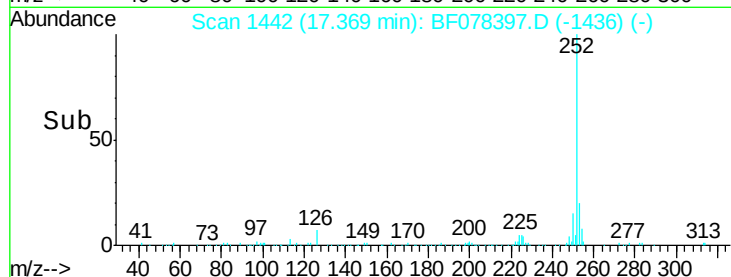
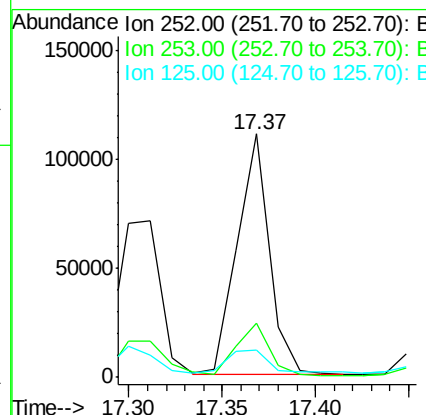
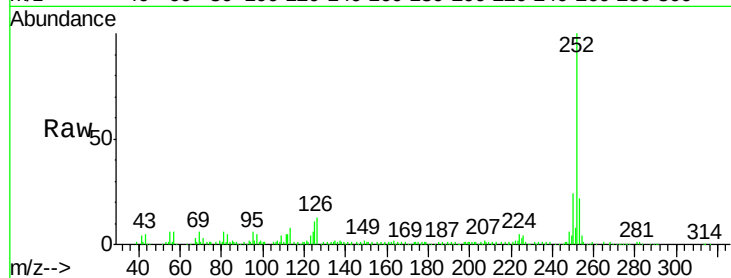
#89
Benzo(a)pyrene
Concen: 13.41 ng
RT: 17.37 min Scan# 1442
Delta R.T. -0.03 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Instrument :
BNA_F
ClientSampleId :
OUTFALL-1RE

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.2	16.8	25.2
125	11.4	7.4	11.0

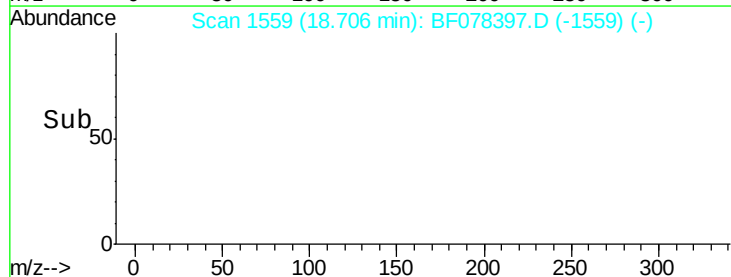
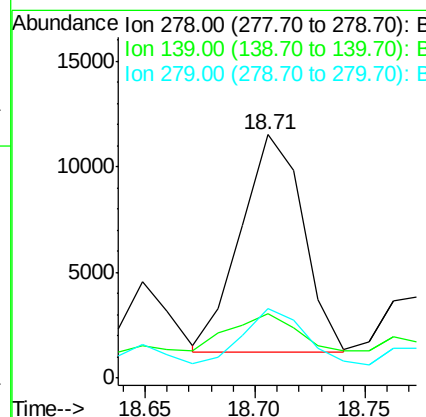
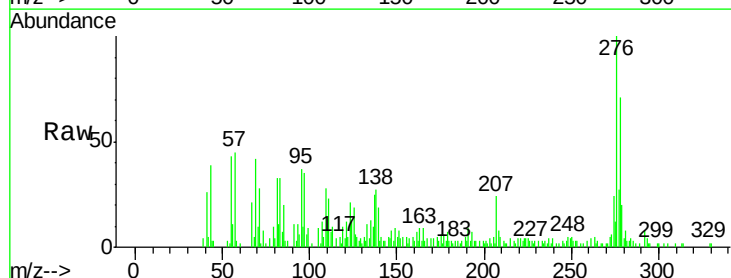
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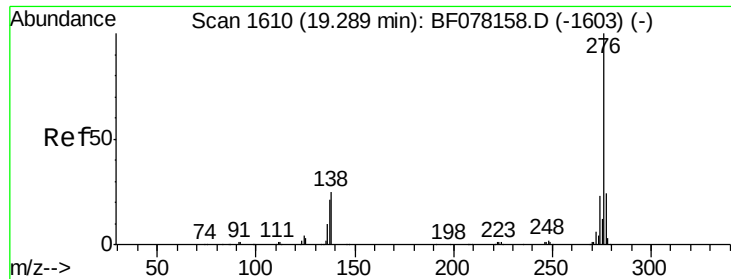
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#90
Dibenzo(a,h)anthracene
Concen: 2.03 ng m
RT: 18.71 min Scan# 1559
Delta R.T. -0.10 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	26.5	13.6	20.4
279	28.5	19.0	28.6





#91
 Benzo(a,h,i)perylene
 Concen: 9.48 ng/ml
 RT: 19.05 min Scan# 1589
 Delta R.T. -0.11 min
 Lab File: BF078397.D
 Acq: 10 Apr 2015 11:37

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-1RE

Tot Ion:	276	Resp:	95060
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.0	28.4
138	21.8	19.9	29.9

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