

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097181.D
 Acq On : 29 Jul 2017 3:57
 Operator : SJ/JU
 Sample : I4398-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEDIMENT-1

Manual Integrations
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 7/31/2017 6:52:34 PM

Quant Time: Jul 29 04:59:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	99157	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	403625	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	140533	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	207319	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	196237	20.00	ng	-0.01
86) Perylene-d12	14.96	264	132346	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	69850	10.62	ng	-0.01
7) Phenol-d6	6.16	99	83954	11.18	ng	-0.01
23) Nitrobenzene-d5	7.05	82	39498	5.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	8474	7.63	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	57726	6.97	ng	-0.02
78) Terphenyl-d14	12.57	244	39654	4.12	ng	-0.02
Target Compounds						
59) Diethylphthalate	9.95	149	23910	2.442	ng	99
70) Phenanthrene	11.01	178	36193	3.258	ng	98
74) Fluoranthene	12.19	202	98209	9.025	ng	96
77) Pyrene	12.42	202	78286	4.873	ng	98
80) Benzo(a)anthracene	13.60	228	36412	2.868	ng	96
82) Chrysene	13.64	228	48571	3.917	ng	96
87) Benzo(b)fluoranthene	14.60	252	57202m	7.190	ng	
89) Benzo(a)pyrene	14.91	252	28619	3.931	ng	# 92
91) Benzo(g,h,i)perylene	16.55	276	21077	3.366	ng	94

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

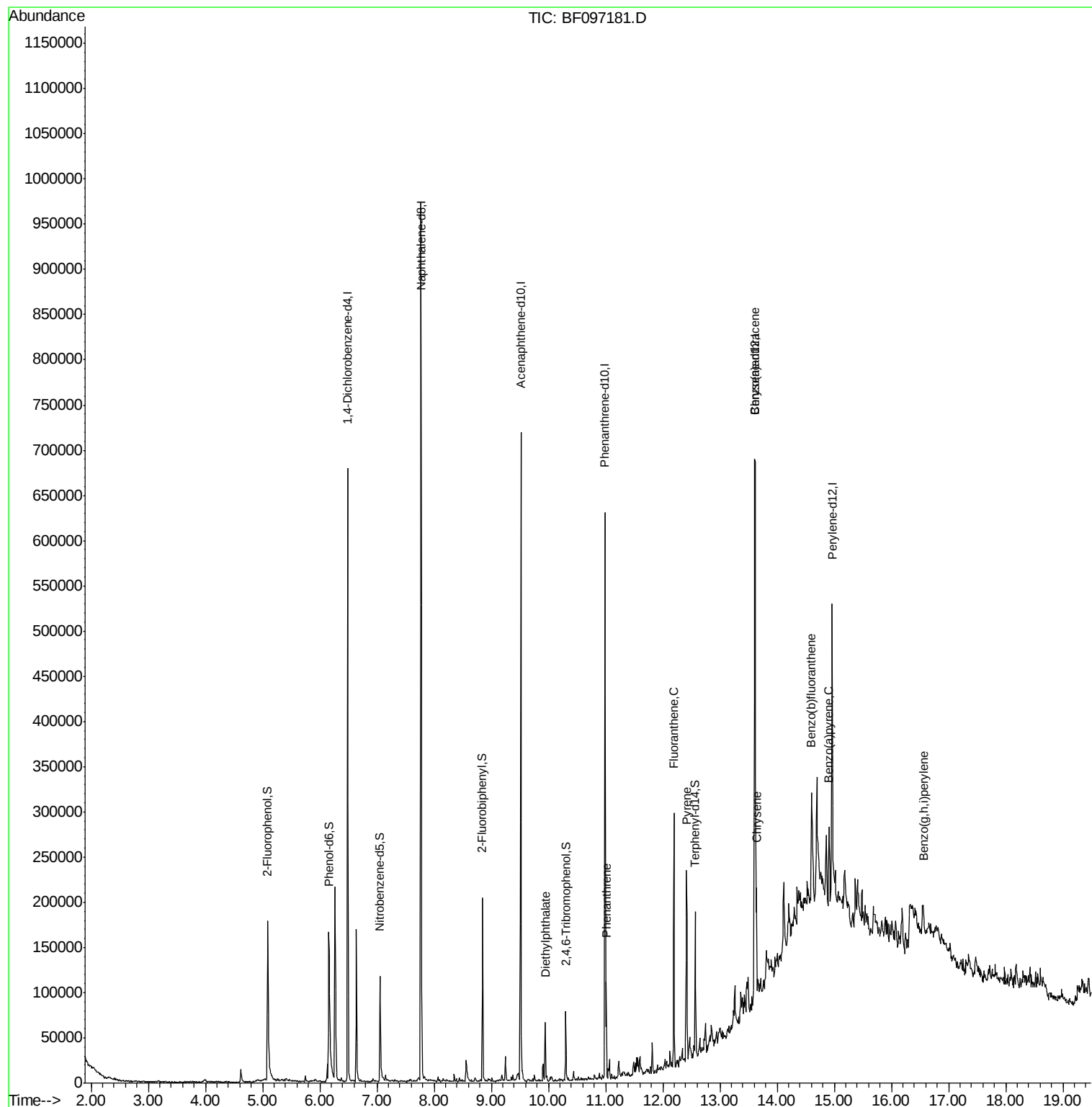
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097181.D
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Operator : SJ/JU
Sample : I4398-01 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

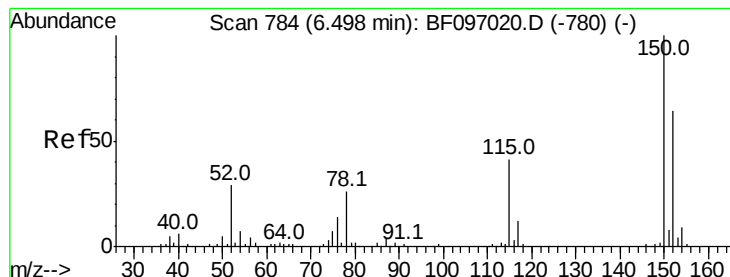
Instrument :
BNA_F
ClientSampleId :
SEDIMENT-1

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Quant Time: Jul 29 04:59:23 2017
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#1

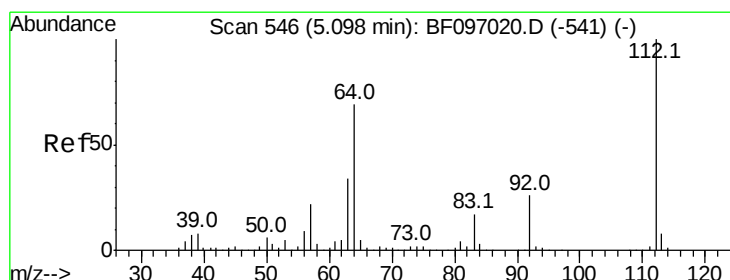
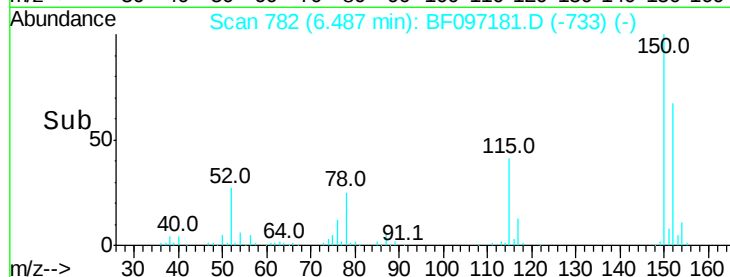
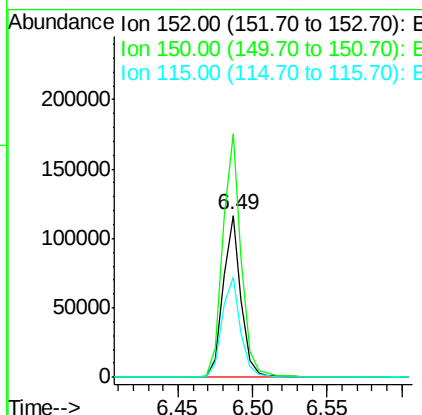
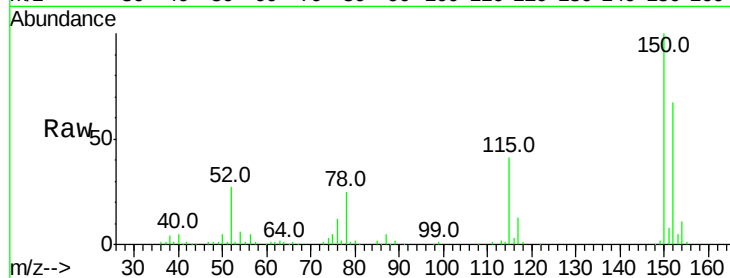
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097181.D
Acq: 29 Jul 2017 3:57

Instrument :
BNA_F
ClientSampleId :
SEDIMENT-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	126.2	189.2
115	61.9	52.2	78.2

Manual Integrations
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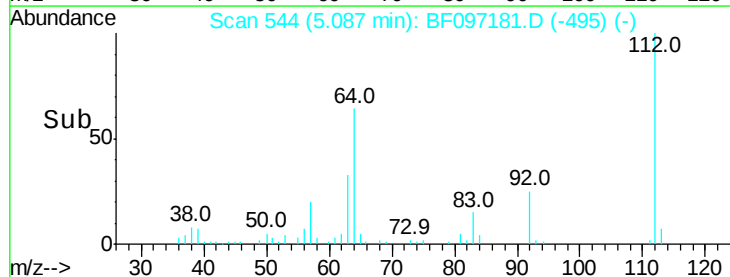
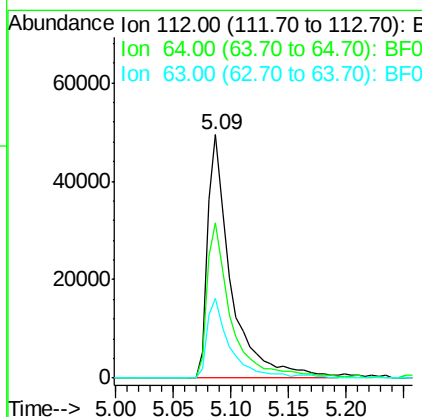
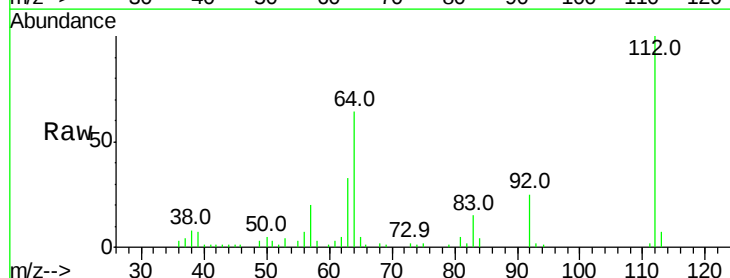
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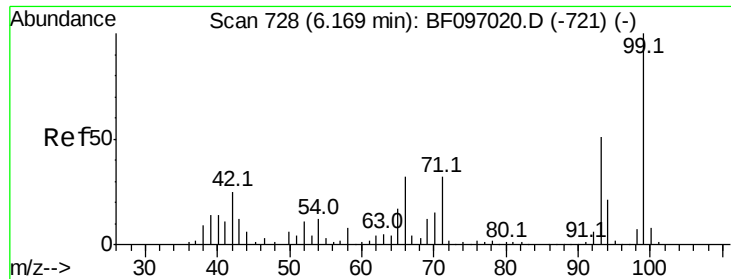


#5

2-Fluorophenol
Concen: 10.619 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097181.D
Acq: 29 Jul 2017 3:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	46.0	69.0
63	32.5	23.4	35.0





#7

Phenol-d6

Concen: 11.180 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097181.D

Acq: 29 Jul 2017 3:57

Instrument :

BNA_F

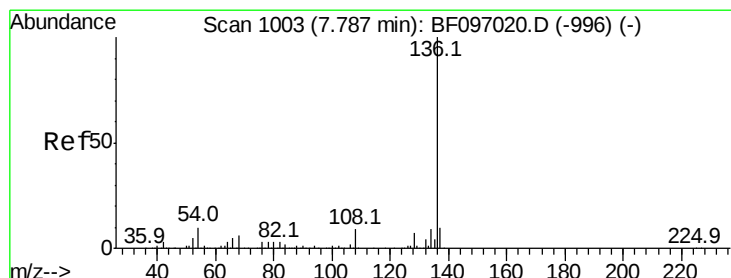
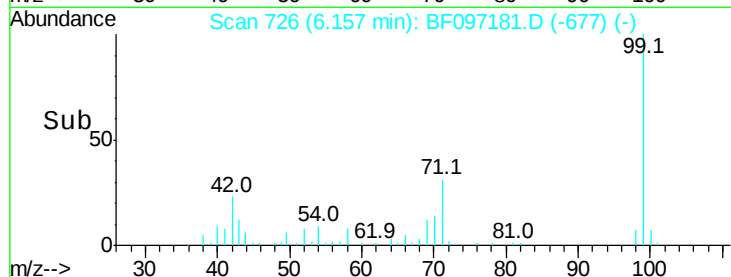
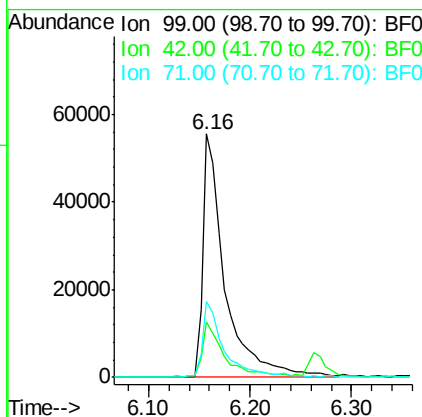
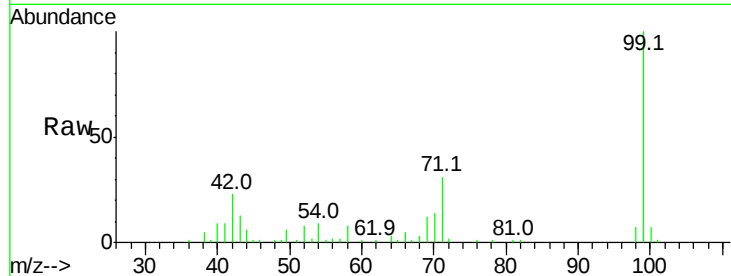
ClientSampled :

SEDIMENT-1

Tot Ion:	99	Resp:	83954
Ion Ratio	Lower	Upper	
99	100		
42	23.0	13.5	20.3#
71	31.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

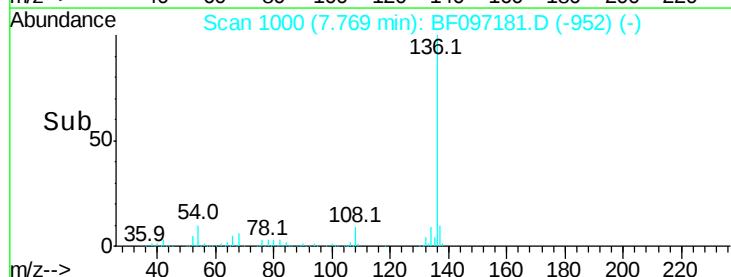
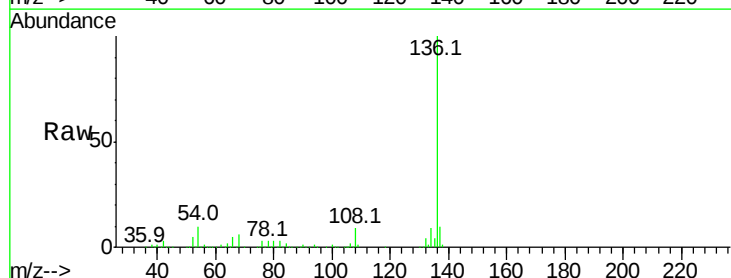
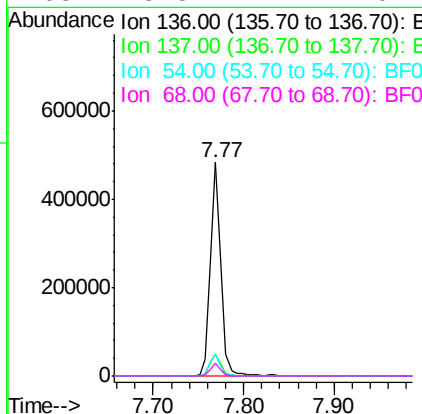
RT: 7.77 min Scan# 1000

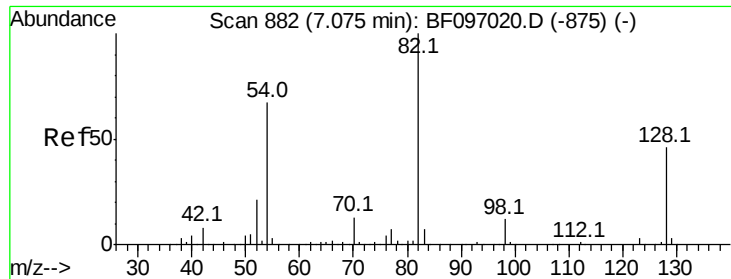
Delta R.T. -0.02 min

Lab File: BF097181.D

Acq: 29 Jul 2017 3:57

Tgt Ion:	136	Resp:	403625
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	10.2	4.9	7.3#
68	5.8	4.1	6.1





#23

Nitrobenzene-d5

Concen: 5.741 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF097181.D

Acq: 29 Jul 2017 3:57

Instrument :

BNA_F

ClientSampleId :

SEDIMENT-1

Tot Ion: 82 Resp: 39498

Ion Ratio Lower Upper

82 100

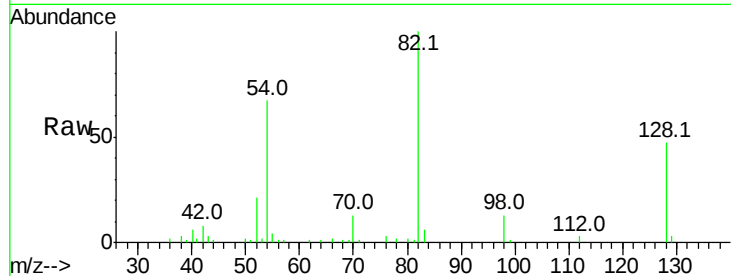
128 46.6 34.0 51.0

54 67.0 42.2 63.2#

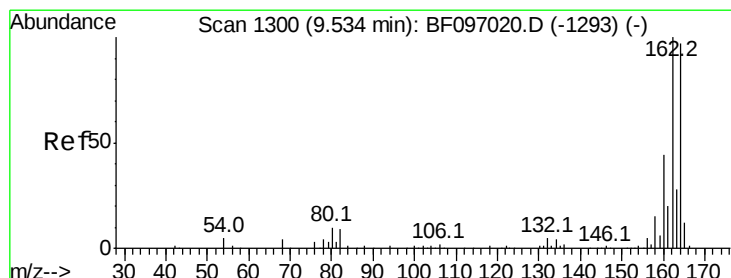
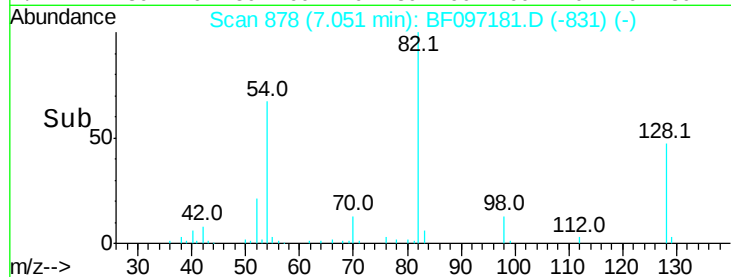
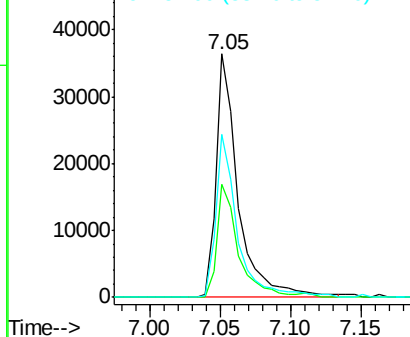
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF097181.D

Acq: 29 Jul 2017 3:57

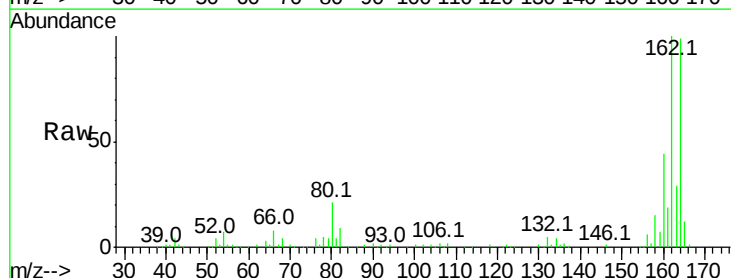
Tgt Ion: 164 Resp: 140533

Ion Ratio Lower Upper

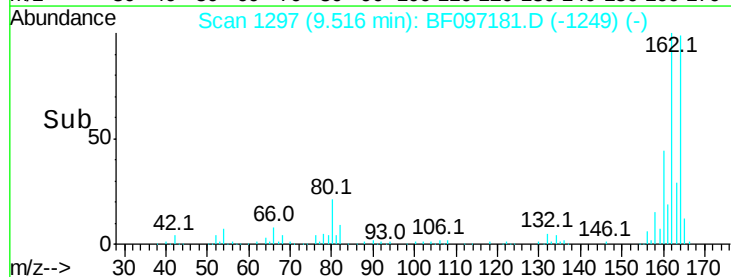
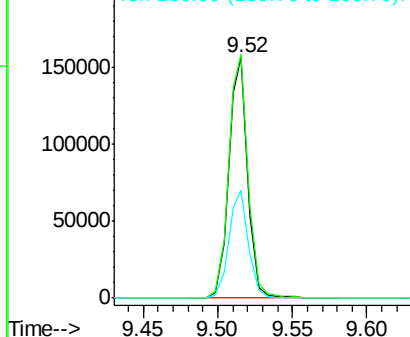
164 100

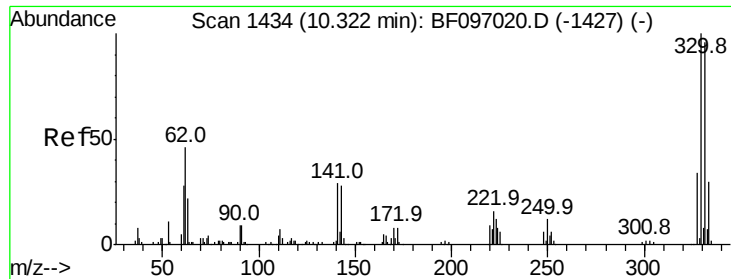
162 101.1 82.6 123.8

160 44.6 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





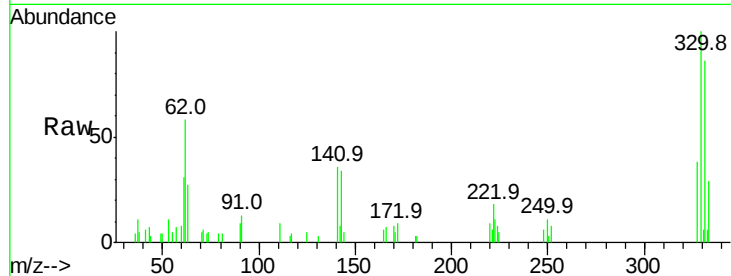
#41
 2,4,6-Tribromophenol
 Concen: 7.632 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF097181.D
 Acq: 29 Jul 2017 3:57

Instrument :
 BNA_F
 ClientSampleId :
 SEDIMENT-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.1	76.6	115.0
141	41.4	31.4	47.2

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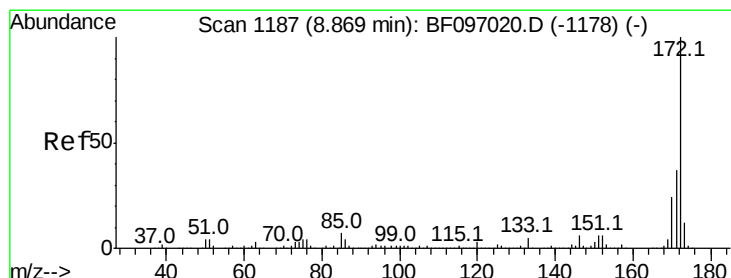
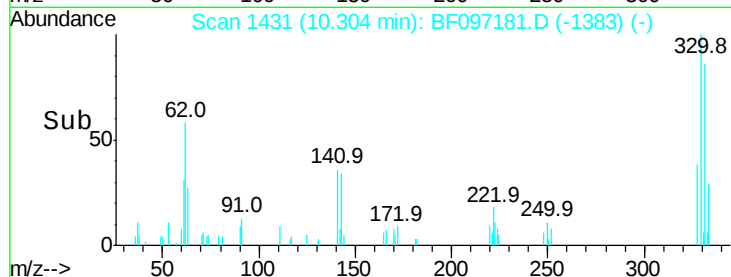
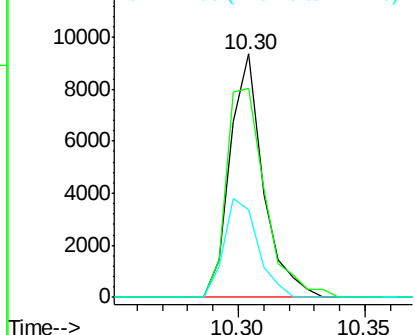


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 6.971 ng
 RT: 8.85 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF097181.D
 Acq: 29 Jul 2017 3:57

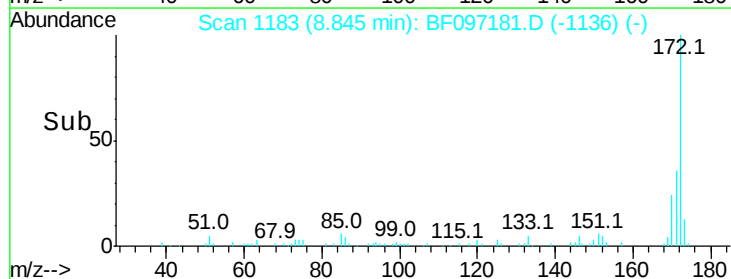
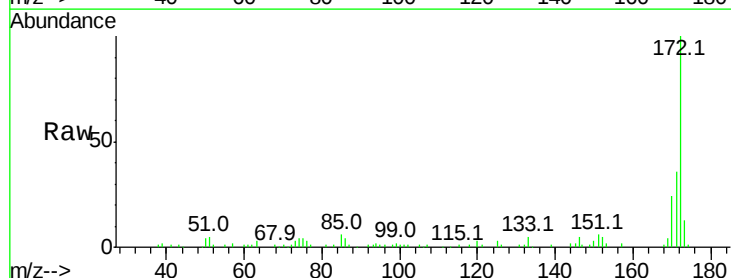
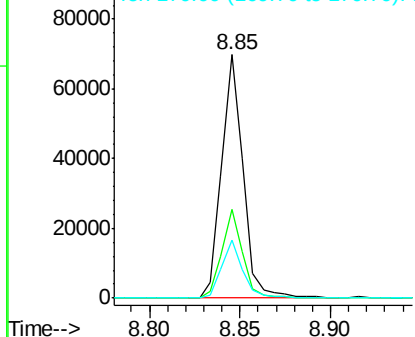
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.8	19.8	29.8

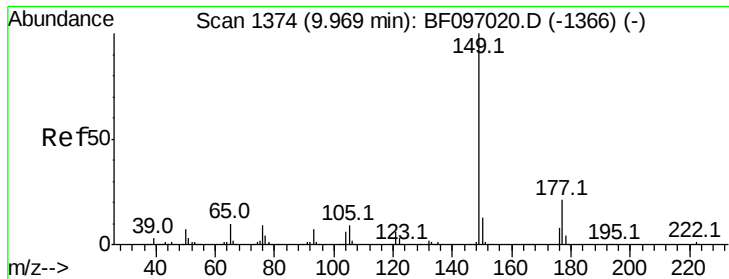
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





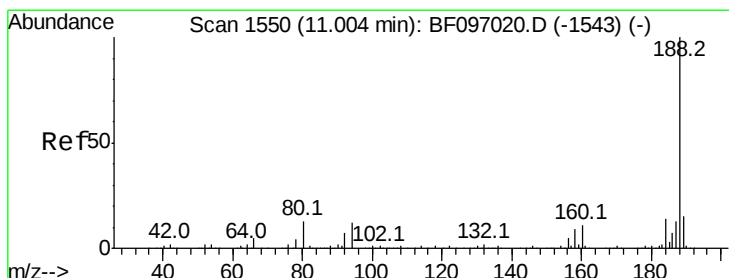
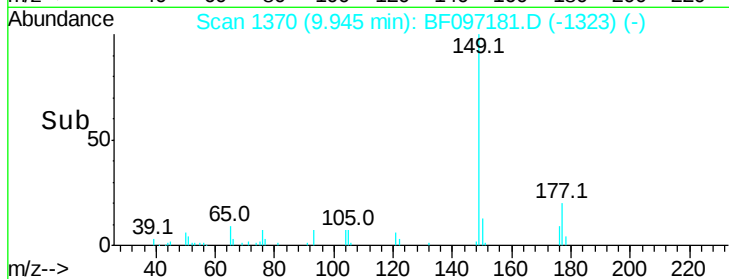
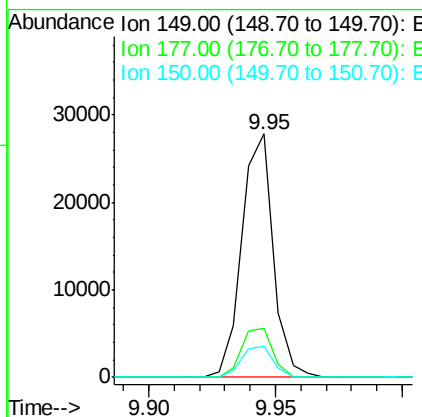
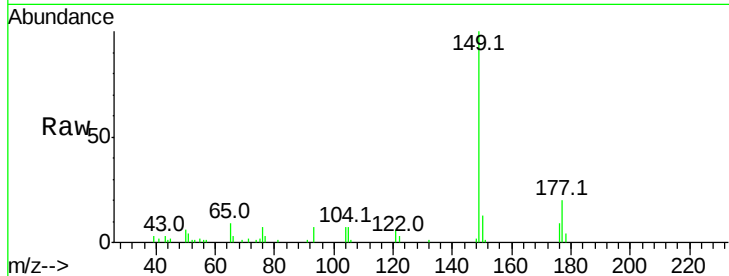
#59
Diethylphthalate
Concen: 2.442 ng
RT: 9.95 min Scan# 1370
Delta R.T. -0.02 min
Lab File: BF097181.D
Acq: 29 Jul 2017 3:57

Instrument :
BNA_F
ClientSampleId :
SEDIMENT-1

Tot Ion:	149	Resp:	23910
Ion Ratio	Lower	Upper	
149	100		
177	20.1	16.7	25.1
150	12.7	10.2	15.2

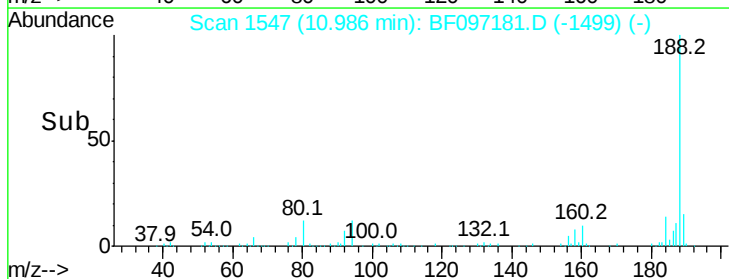
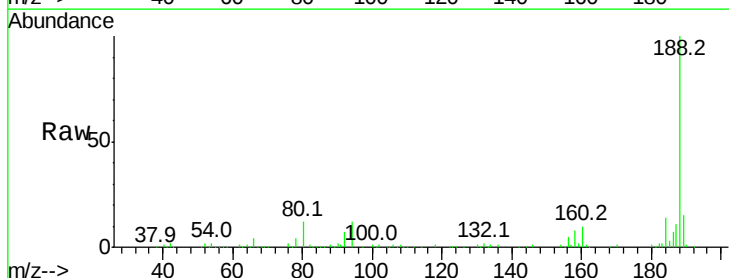
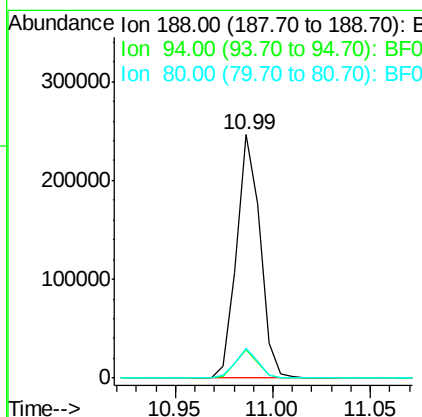
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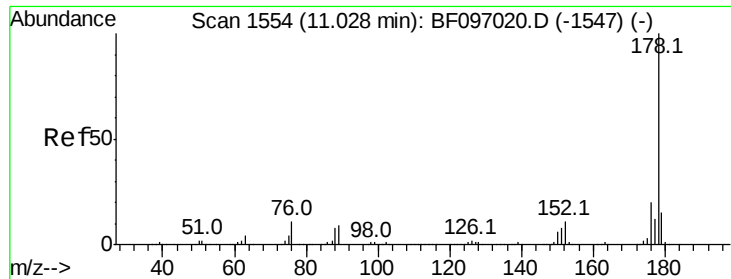
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097181.D
Acq: 29 Jul 2017 3:57

Tgt Ion:	188	Resp:	207319
Ion Ratio	Lower	Upper	
188	100		
94	11.5	9.4	14.2
80	12.3	10.2	15.2





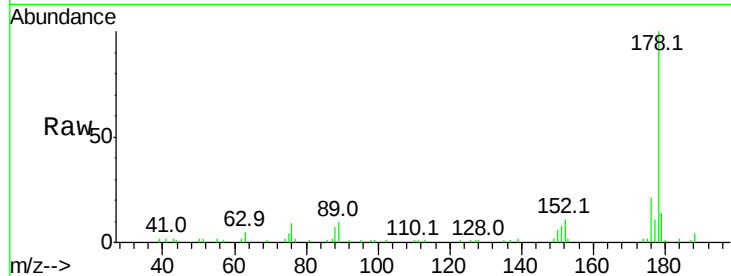
#70
Phenanthrene
Concen: 3.258 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097181.D
Acq: 29 Jul 2017 3:57

Instrument :
BNA_F
ClientSampleId :
SEDIMENT-1

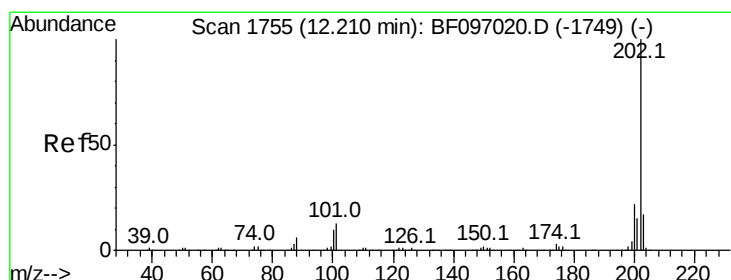
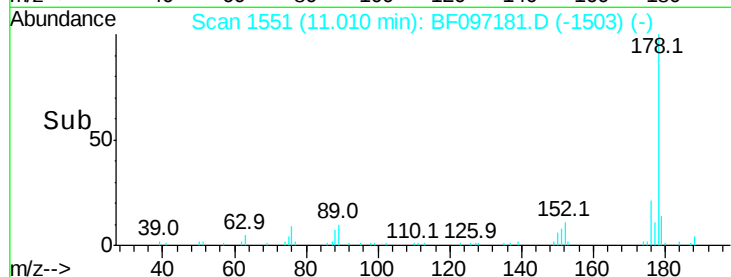
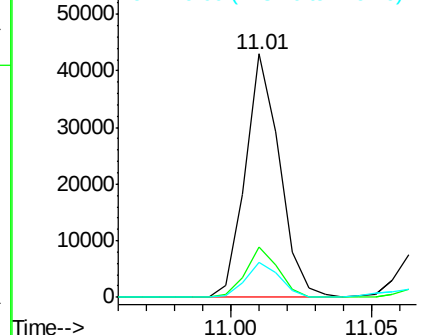
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	16.2	24.4
179	14.5	12.6	19.0

Manual Integrations
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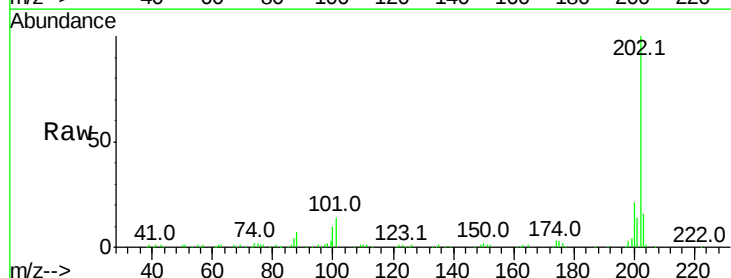


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

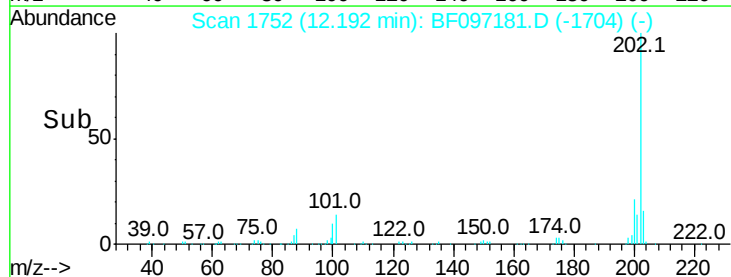
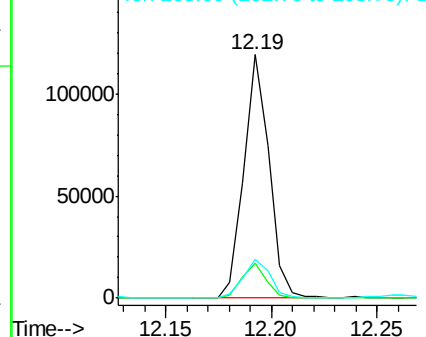


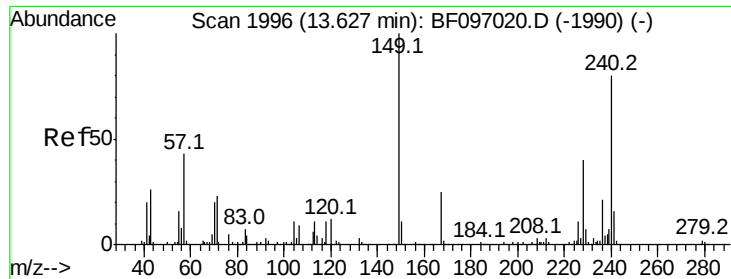
#74
Fluoranthene
Concen: 9.025 ng
RT: 12.19 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF097181.D
Acq: 29 Jul 2017 3:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	16.1	0.0	38.1



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: 20.000 ng

RT: 13.62 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF097181.D

Acq: 29 Jul 2017 3:57

Instrument :

BNA_F

ClientSampled :

SEDIMENT-1

Tot Ion:240 Resp: 196237

Ion Ratio Lower Upper

240 100

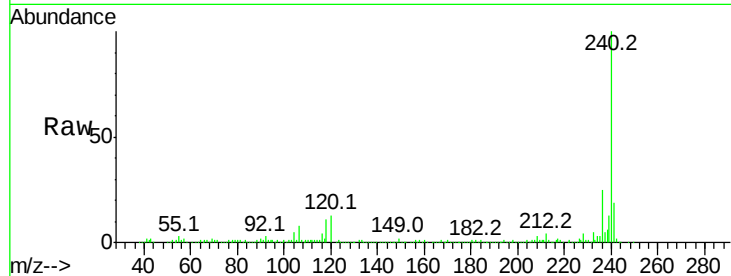
120 12.8 5.8 8.8#

236 25.3 20.5 30.7

Manual Integrations
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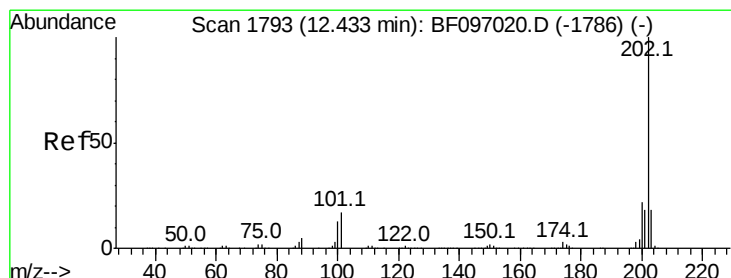
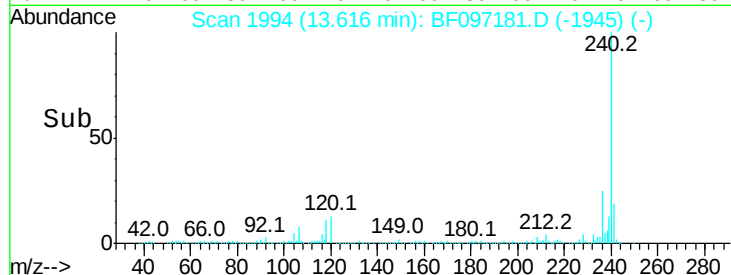
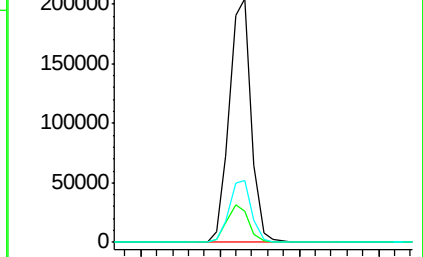
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.873 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097181.D

Acq: 29 Jul 2017 3:57

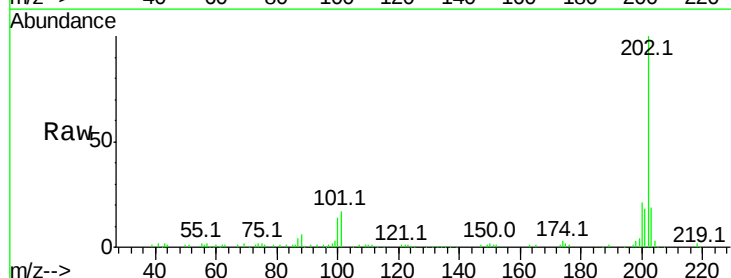
Tgt Ion:202 Resp: 78286

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

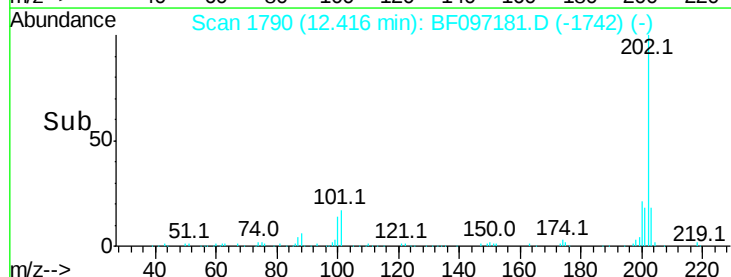
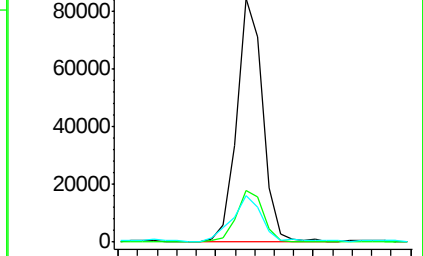
203 18.9 14.4 21.6

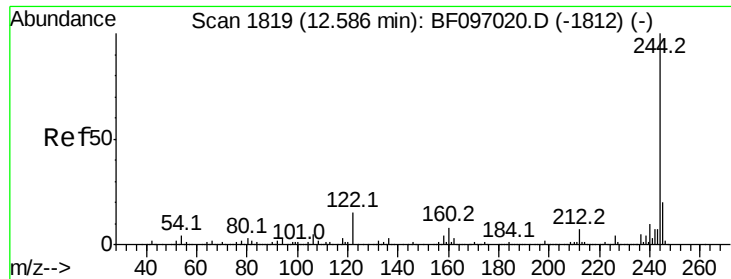


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.120 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097181.D

Acq: 29 Jul 2017 3:57

Instrument :

BNA_F

ClientSampleId :

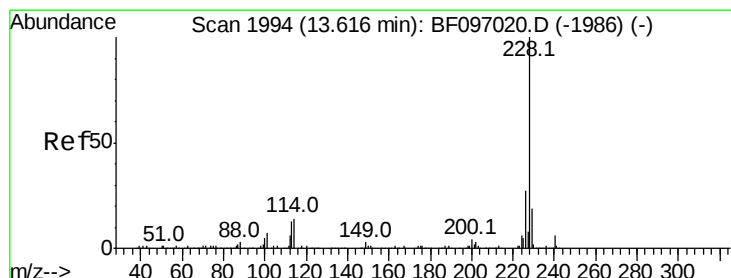
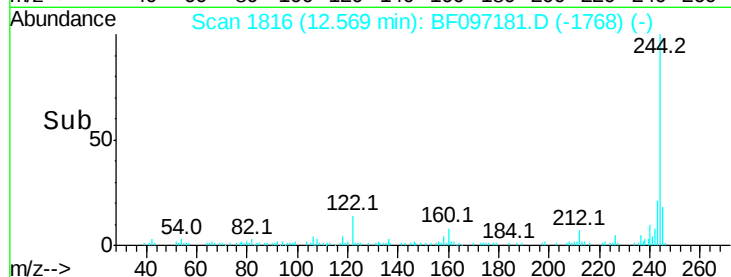
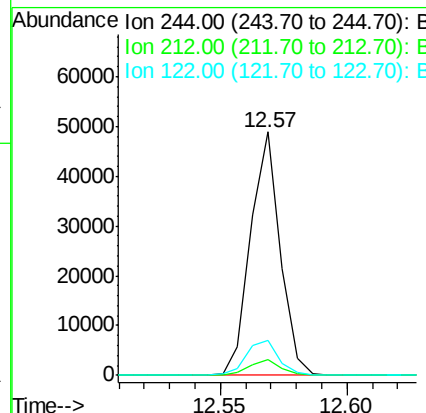
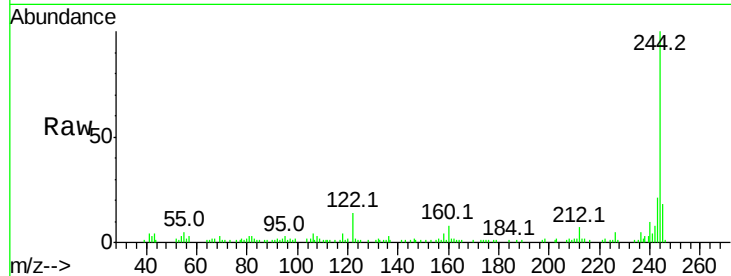
SEDIMENT-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	14.2	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 2.868 ng

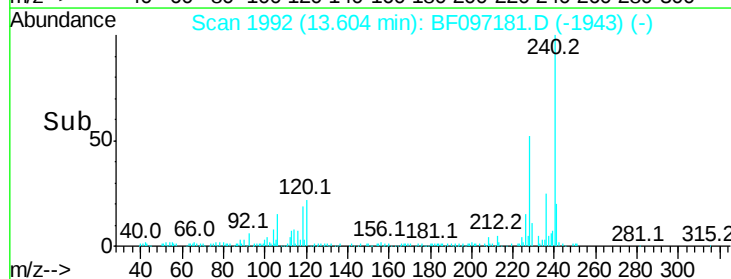
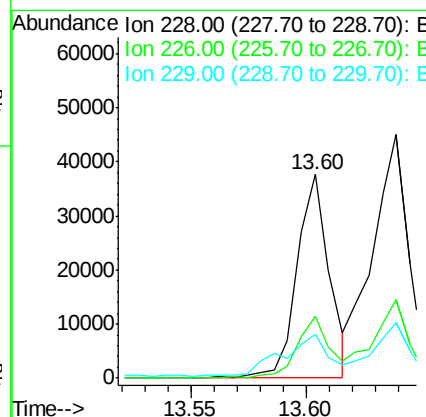
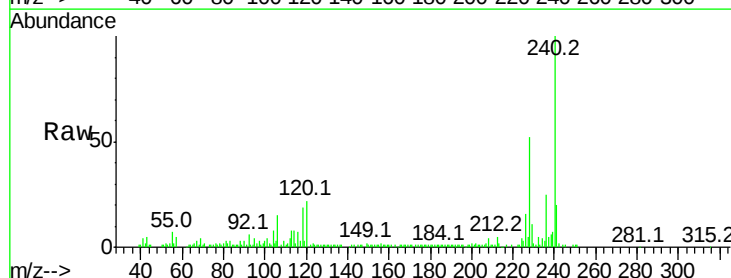
RT: 13.60 min Scan# 1992

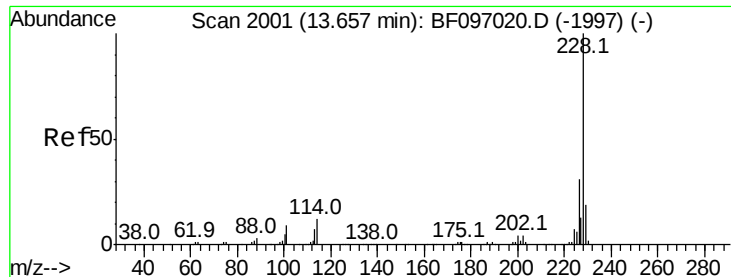
Delta R.T. -0.01 min

Lab File: BF097181.D

Acq: 29 Jul 2017 3:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	21.3	16.3	24.5





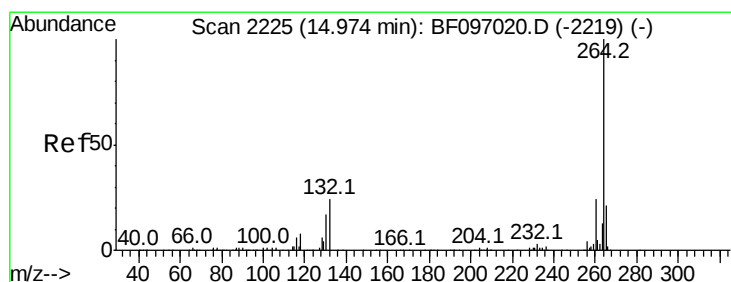
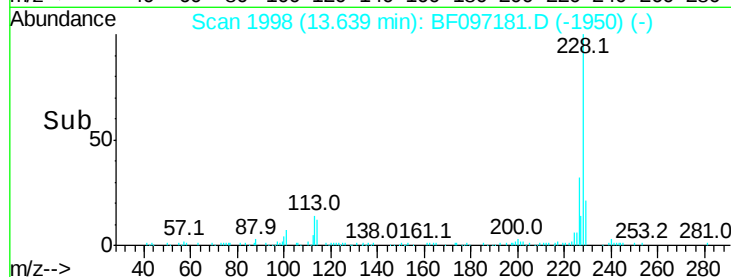
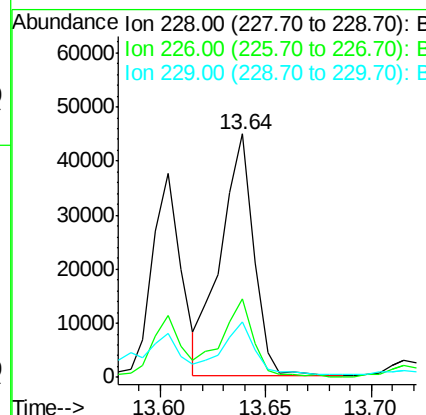
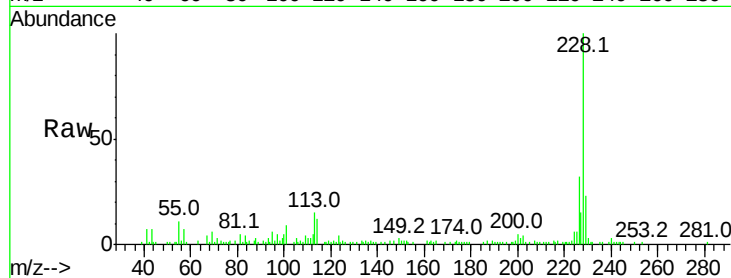
#82
Chrysene
Concen: 3.917 ng
RT: 13.64 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF097181.D
Acq: 29 Jul 2017 3:57

Instrument :
BNA_F
ClientSampleId :
SEDIMENT-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.9	37.3
229	22.7	15.8	23.6

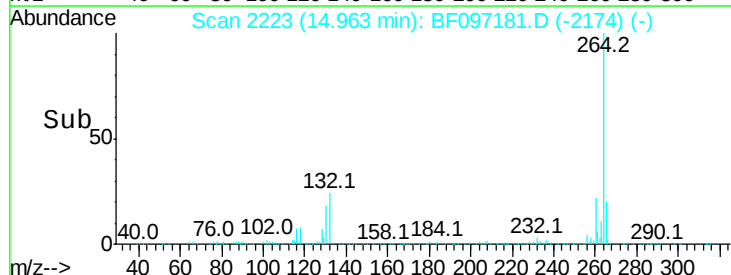
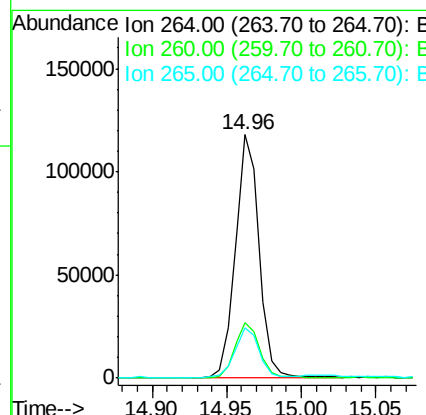
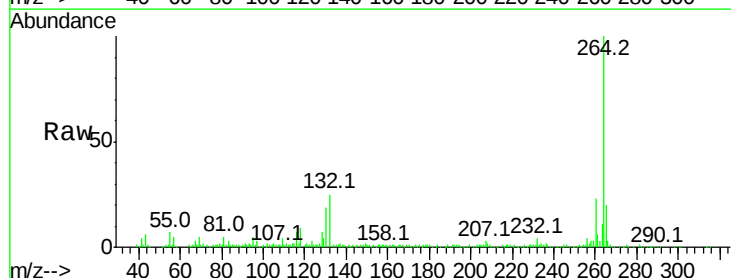
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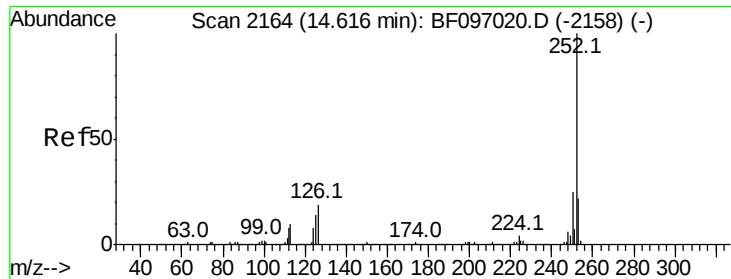
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097181.D
Acq: 29 Jul 2017 3:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	20.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.190 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097181.D

Acq: 29 Jul 2017 3:57

Instrument :

BNA_F

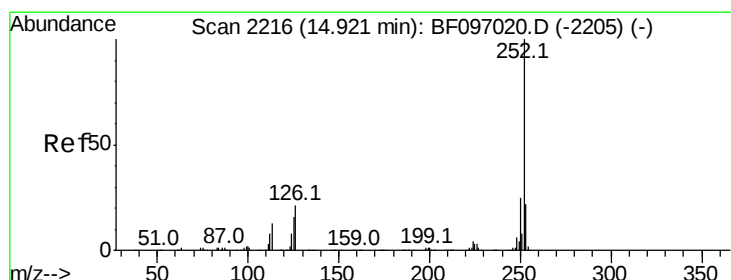
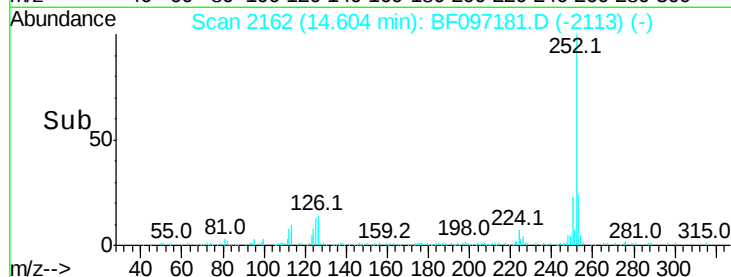
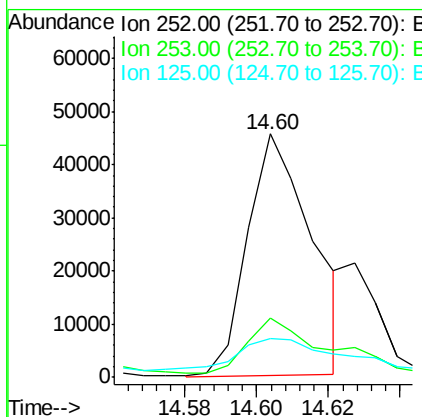
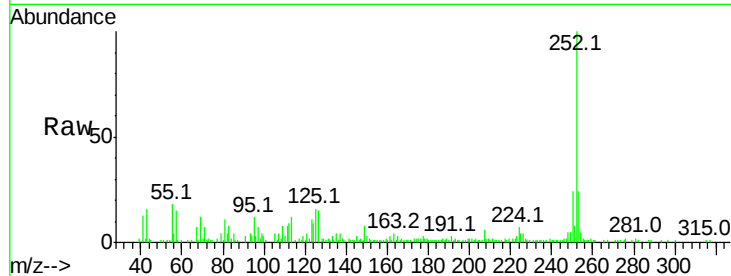
ClientSampleId :

SEDIMENT-1

Tot Ion:	252	Resp:	57202
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.1	27.1
125	16.0	9.8	14.8

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.931 ng

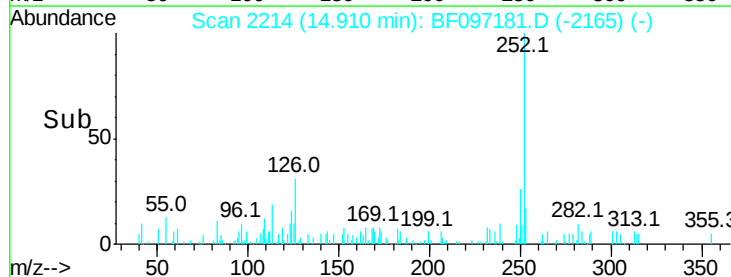
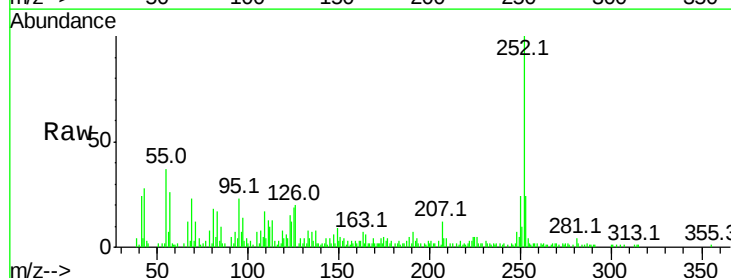
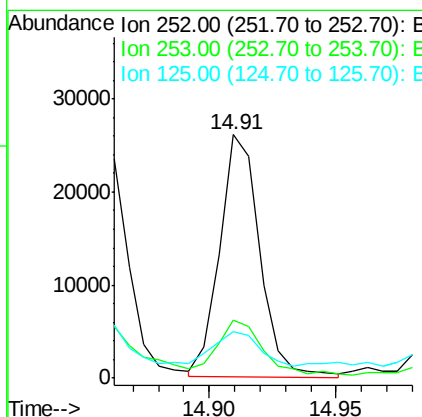
RT: 14.91 min Scan# 2214

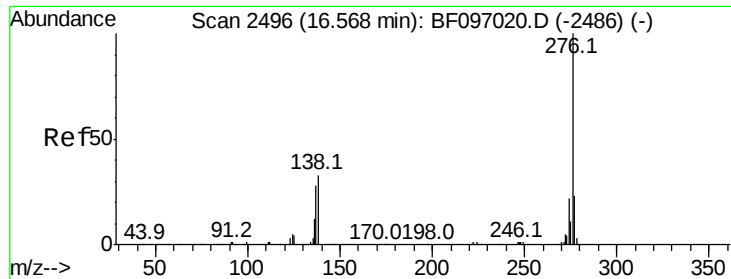
Delta R.T. -0.01 min

Lab File: BF097181.D

Acq: 29 Jul 2017 3:57

Tgt Ion:	252	Resp:	28619
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.5	26.3
125	19.1	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.366 ng
 RT: 16.55 min Scan# 2493
 Delta R.T. -0.02 min
 Lab File: BF097181.D
 Acq: 29 Jul 2017 3:57

Instrument :
 BNA_F
 ClientSampleId :
 SEDIMENT-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.6	28.0
138	35.0	25.4	38.0

Manual Integrations
 APPROVED

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