

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097290.D
 Acq On : 2 Aug 2017 23:02
 Operator : SJ/JU
 Sample : I4540-21 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 348

Manual Integrations
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 8/3/2017 6:08:19 PM

Quant Time: Aug 03 00:53:21 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	6.45	152	117753	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	488456	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	210711	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	299572	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	218096	20.00	ng	-0.05
86) Perylene-d12	14.92	264	165457	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	218129	27.93	ng	-0.05
7) Phenol-d6	6.12	99	275106	30.85	ng	-0.05
23) Nitrobenzene-d5	7.02	82	136235	16.36	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	40320	24.22	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	259625	20.91	ng	-0.06
78) Terphenyl-d14	12.53	244	144656	13.52	ng	-0.06
Target Compounds						
49) Dimethylphthalate	9.21	163	47621	2.976	ng	97
70) Phenanthrene	10.97	178	255832	15.939	ng	98
71) Anthracene	11.03	178	69946	4.255	ng	97
74) Fluoranthene	12.16	202	330432	21.014	ng	99
77) Pyrene	12.38	202	312047	17.477	ng	98
80) Benzo(a)anthracene	13.56	228	147724	10.468	ng	98
82) Chrysene	13.60	228	144181	10.463	ng	99
85) Indeno(1,2,3-cd)pyrene	16.13	276	42405	3.589	ng	95
87) Benzo(b)fluoranthene	14.57	252	132072m	13.279	ng	
88) Benzo(k)fluoranthene	14.59	252	37195m	3.924	ng	
89) Benzo(a)pyrene	14.87	252	87162	9.575	ng	# 96
91) Benzo(a,h,i)perylene	16.49	276	40831	5.216	ng	95

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

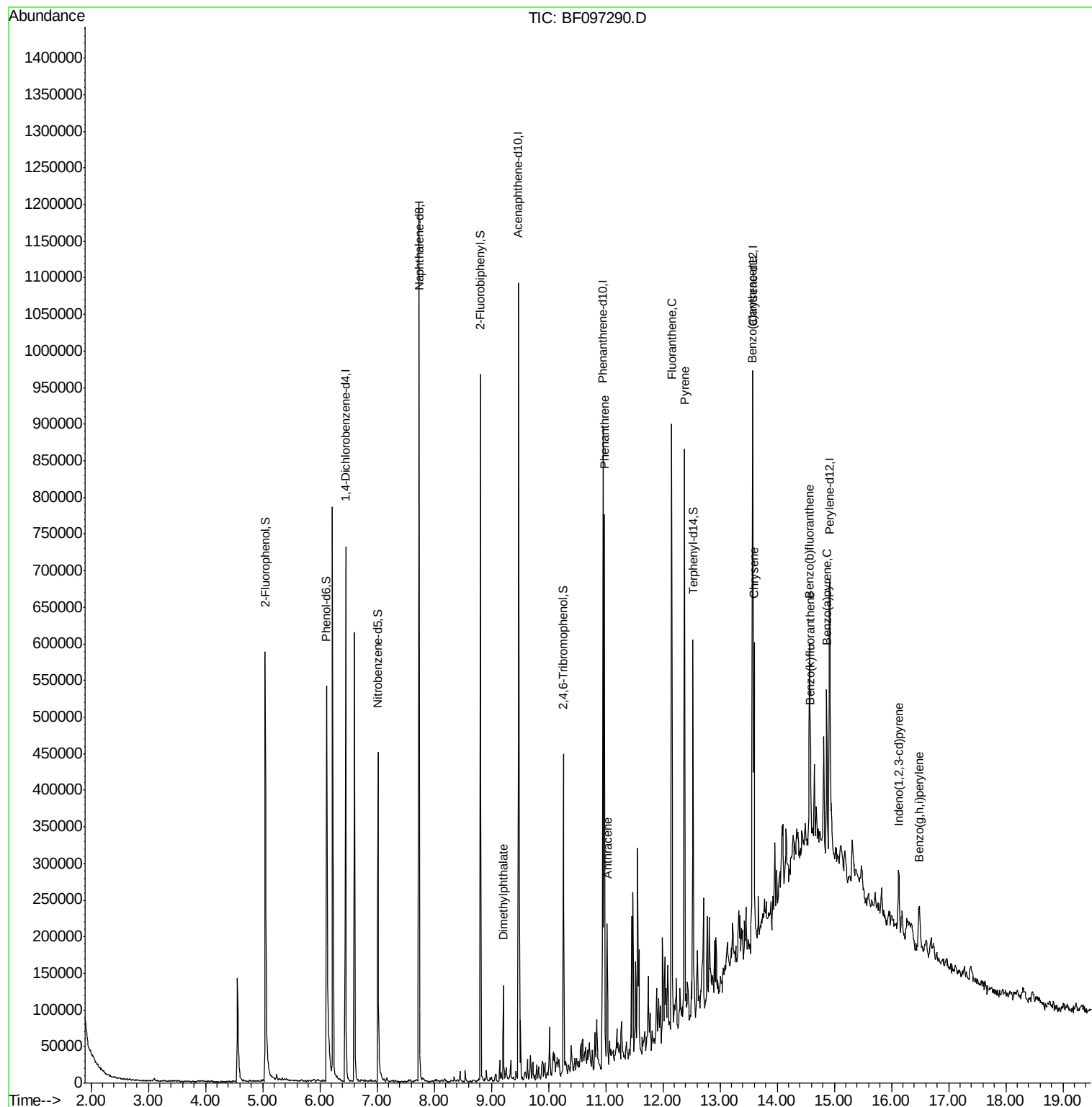
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

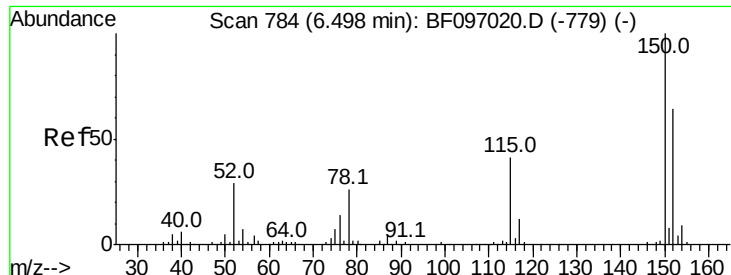
Instrument :
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348

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#1

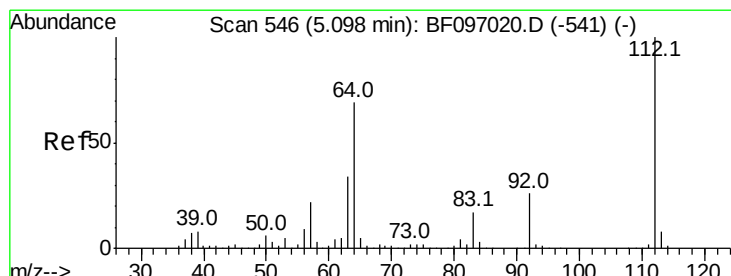
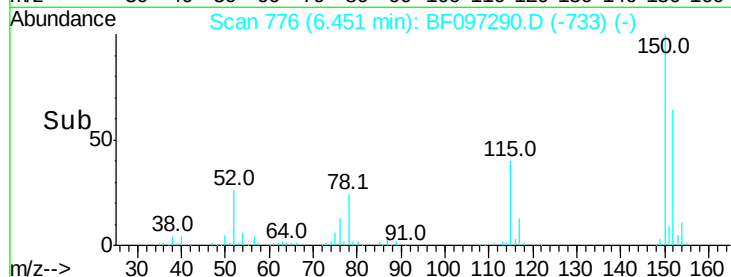
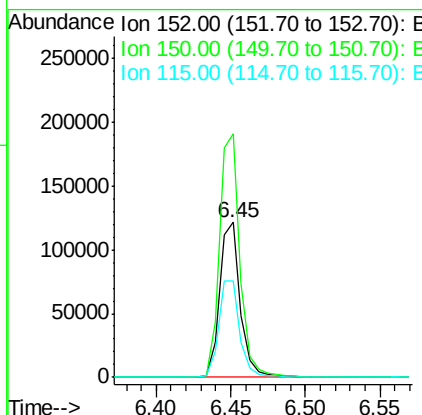
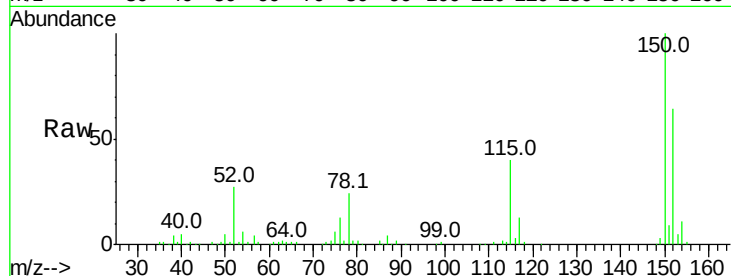
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Instrument :
BNA_F
ClientSampled :
348

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	62.1	52.2	78.2

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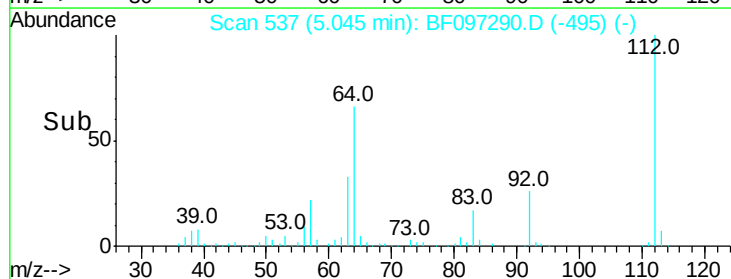
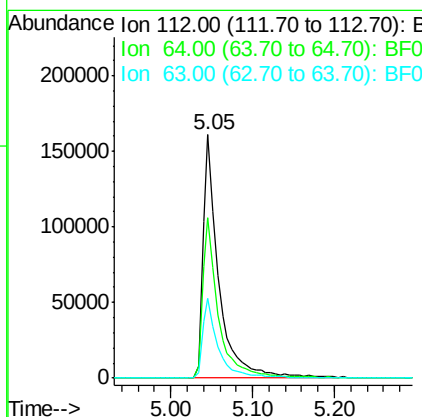
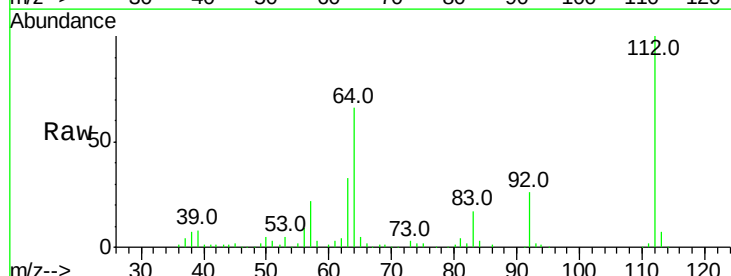
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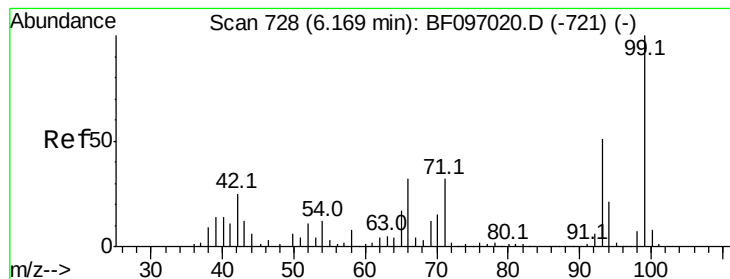


#5

2-Fluorophenol
Concen: 27.925 ng
RT: 5.05 min Scan# 537
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	46.0	69.0
63	32.8	23.4	35.0





#7

Phenol-d6

Concen: 30.850 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Instrument :

BNA_F

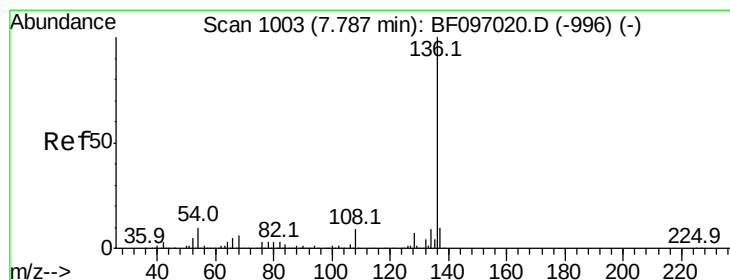
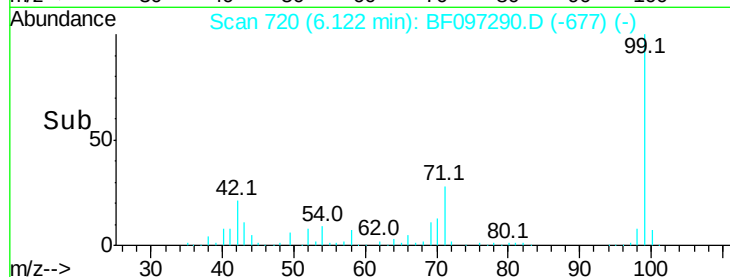
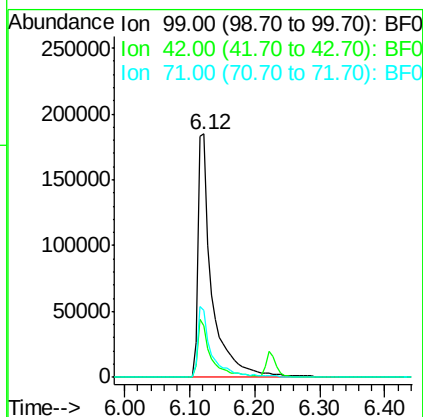
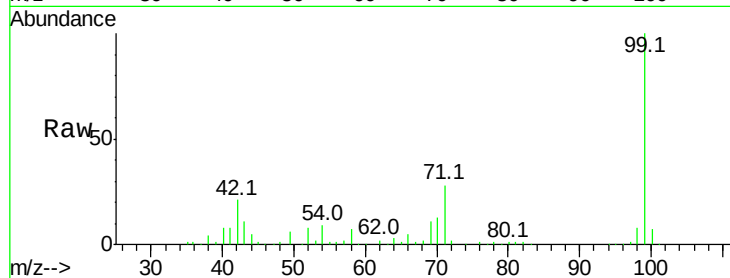
ClientSampled :

348

Tot Ion:	99	Resp:	275106
Ion Ratio	Lower	Upper	
99	100		
42	21.4	13.5	20.3#
71	27.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

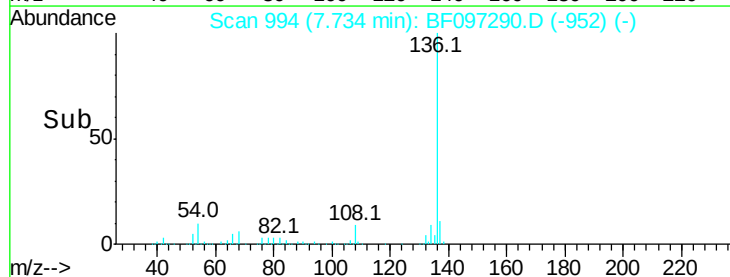
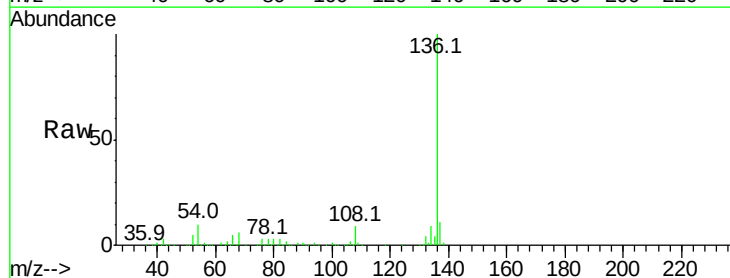
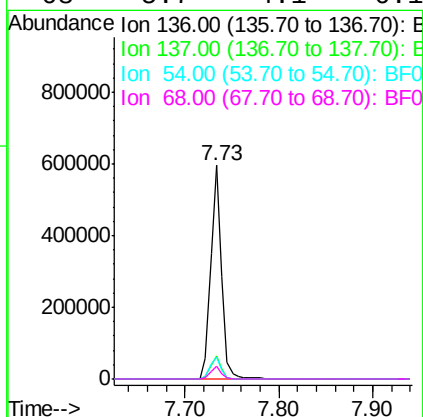
RT: 7.73 min Scan# 994

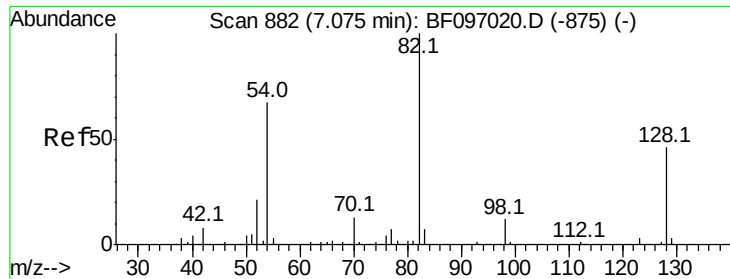
Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Tgt Ion:	136	Resp:	488456
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	10.3	4.9	7.3#
68	5.7	4.1	6.1





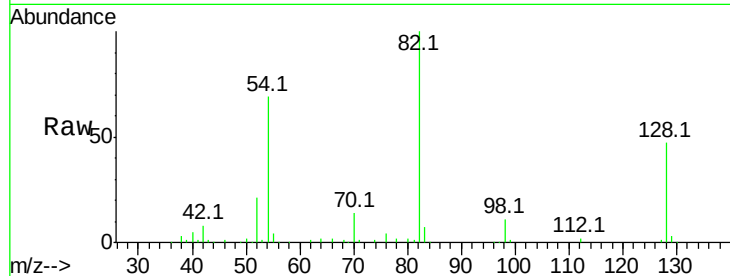
#23
 Nitrobenzene-d5
 Concen: 16.362 ng
 RT: 7.02 min Scan# 872
 Delta R.T. -0.06 min
 Lab File: BF097290.D
 Acq: 2 Aug 2017 23:02

Instrument :
 BNA_F
 ClientSampled :
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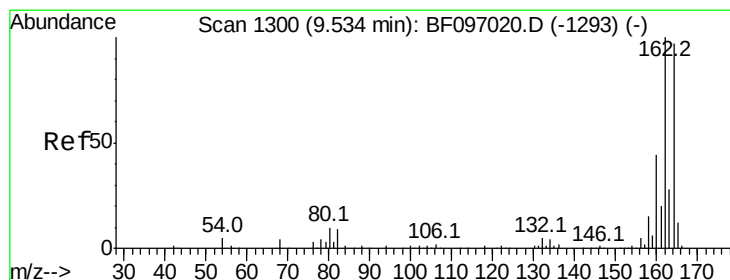
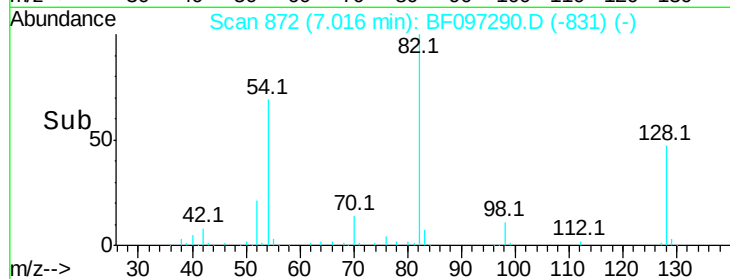
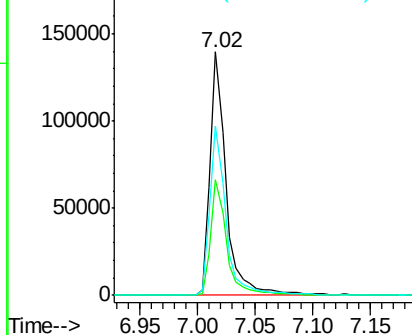
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.4	34.0	51.0	
54	69.5	42.2	63.2	

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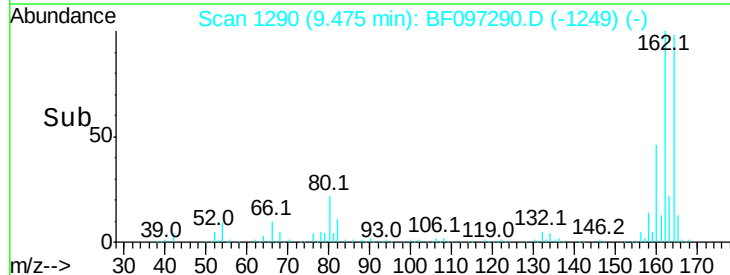
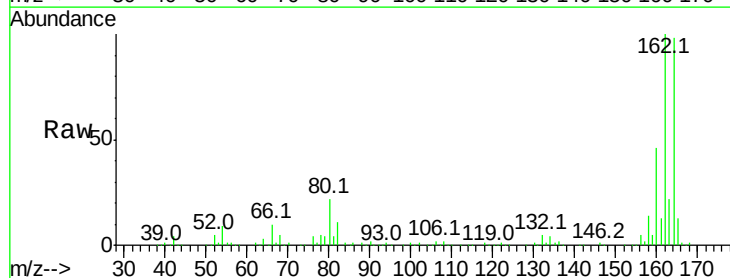
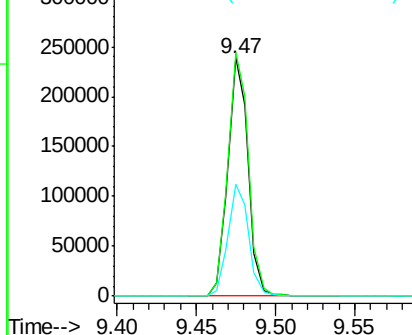
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

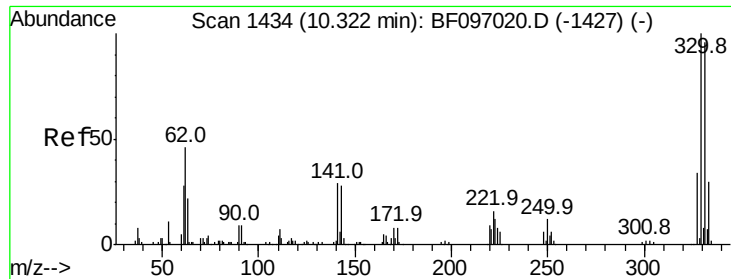


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.06 min
 Lab File: BF097290.D
 Acq: 2 Aug 2017 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	82.6	123.8	
160	46.7	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: 24.219 ng

RT: 10.26 min Scan# 1424

Delta R.T. -0.06 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Instrument :

BNA_F

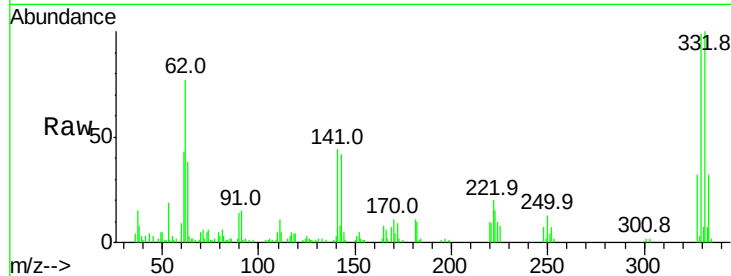
ClientSampled :

348

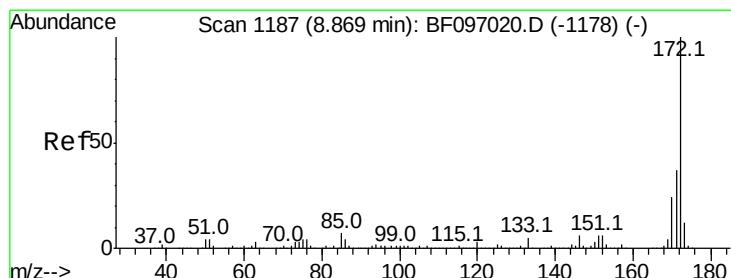
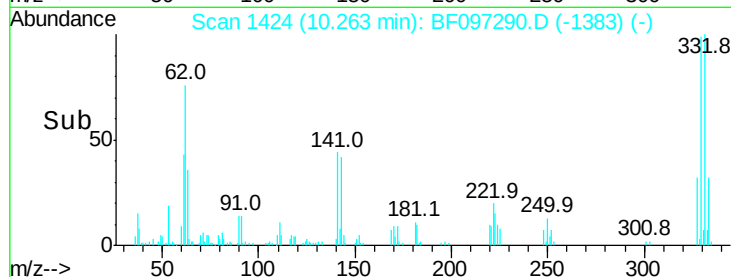
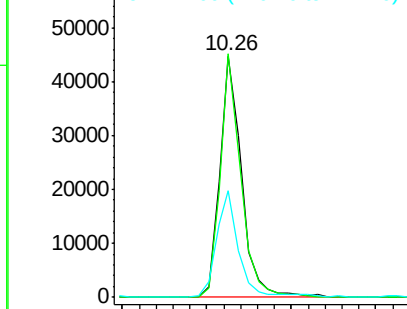
Tot Ion:	330	Resp:	40320
Ion Ratio	Lower	Upper	
330	100		
332	95.3	76.6	115.0
141	46.2	31.4	47.2

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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: 20.911 ng

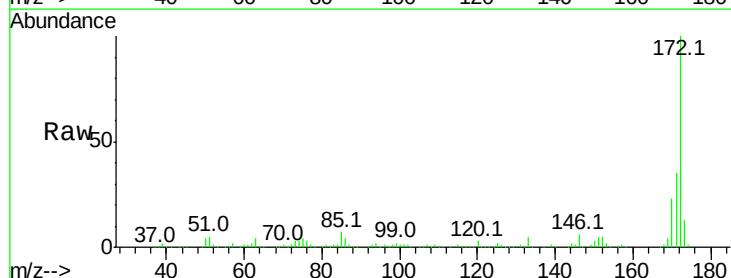
RT: 8.81 min Scan# 1177

Delta R.T. -0.06 min

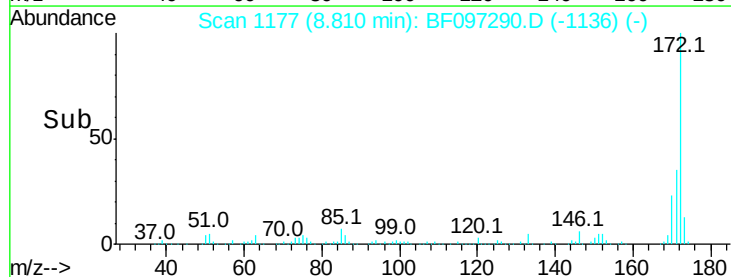
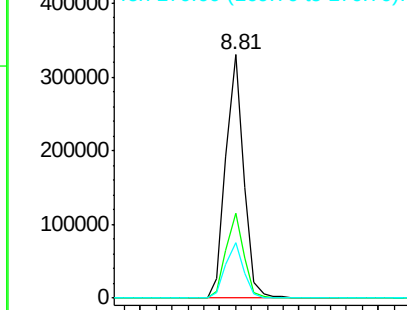
Lab File: BF097290.D

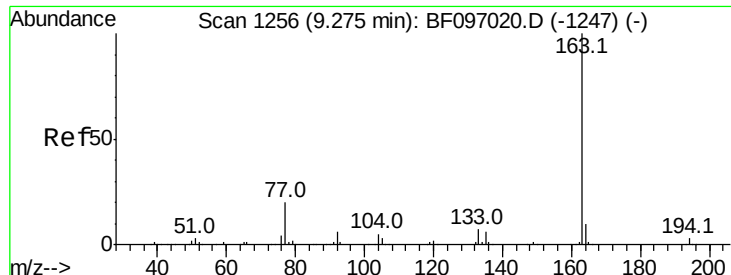
Acq: 2 Aug 2017 23:02

Tgt Ion:	172	Resp:	259625
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.6	44.4
170	23.0	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





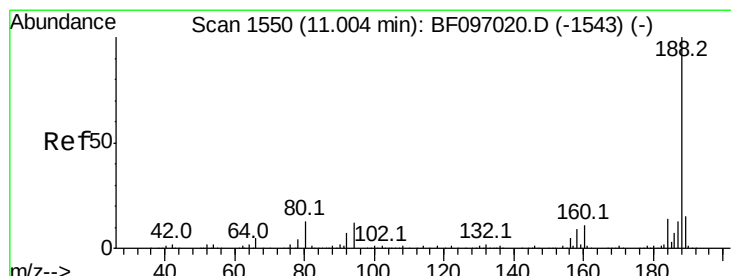
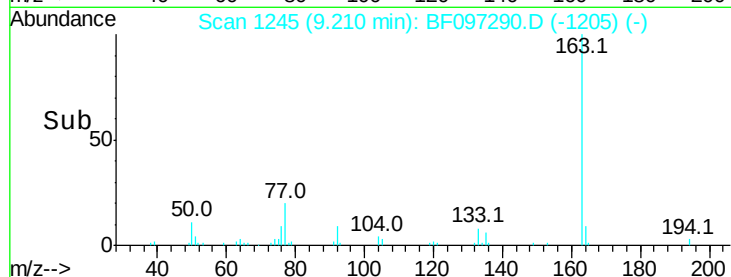
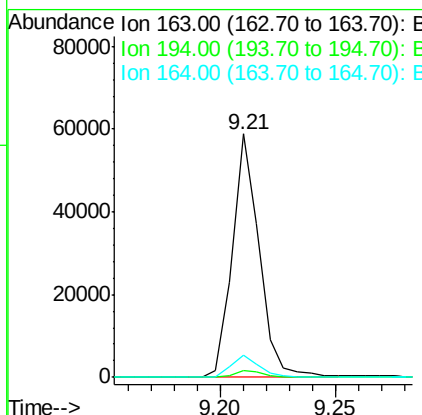
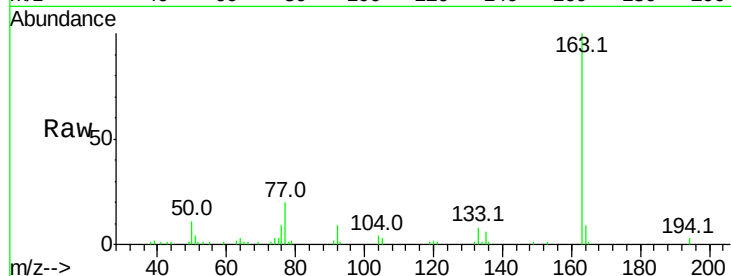
#49
Dimethylphthalate
Concen: 2.976 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Instrument :
BNA_F
ClientSampled :
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Tot Ion:	163	Resp:	47621
Ion Ratio	Lower	Upper	
163	100		
194	2.8	2.6	4.0
164	9.3	8.4	12.6

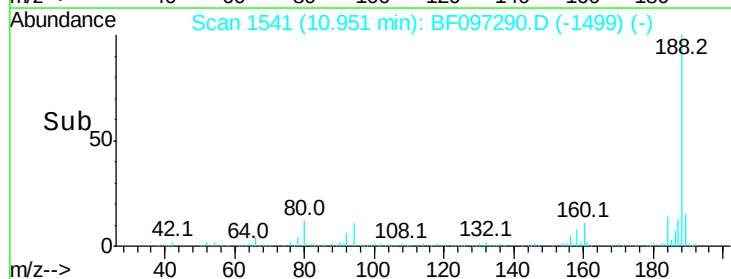
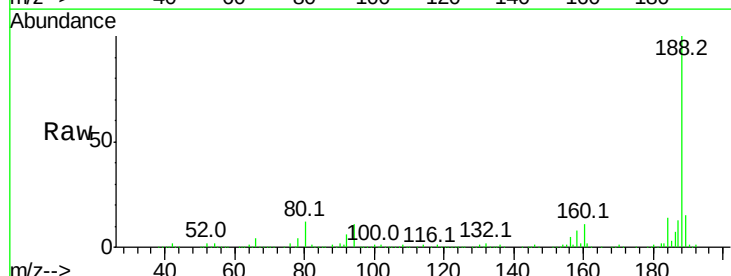
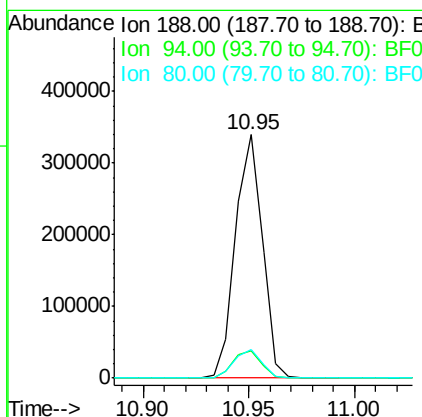
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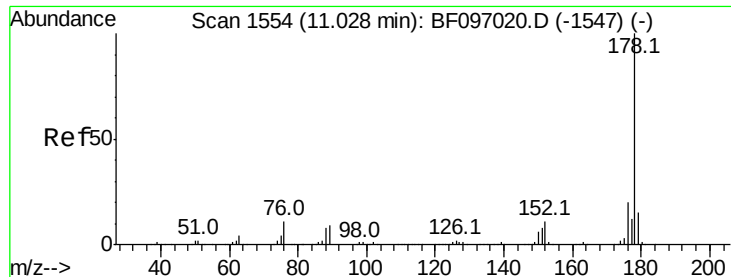
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.95 min Scan# 1541
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Tgt Ion:	188	Resp:	299572
Ion Ratio	Lower	Upper	
188	100		
94	11.3	9.4	14.2
80	11.6	10.2	15.2





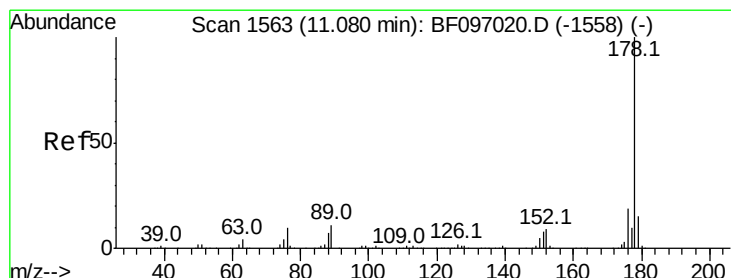
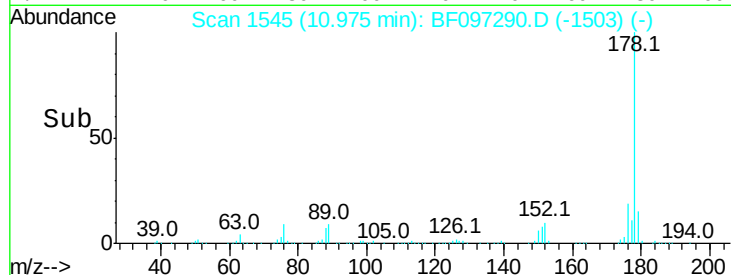
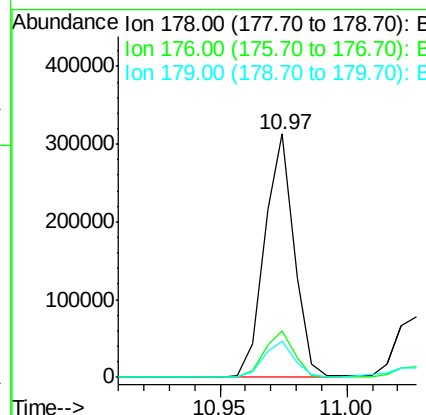
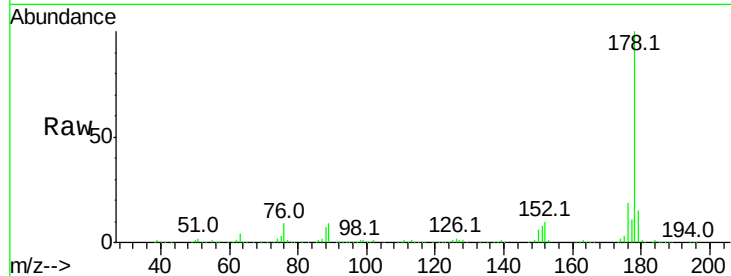
#70
Phenanthrene
Concen: 15.939 ng
RT: 10.97 min Scan# 1545
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Instrument :
BNA_F
ClientSampleId :
348

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.1	12.6	19.0

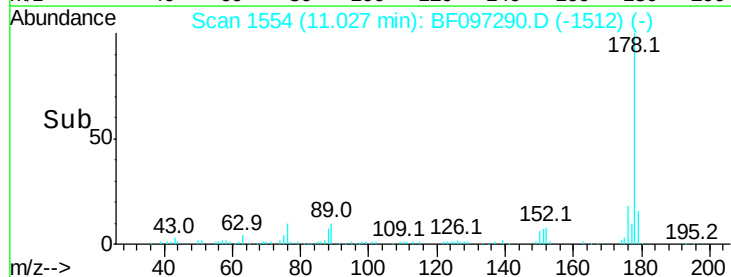
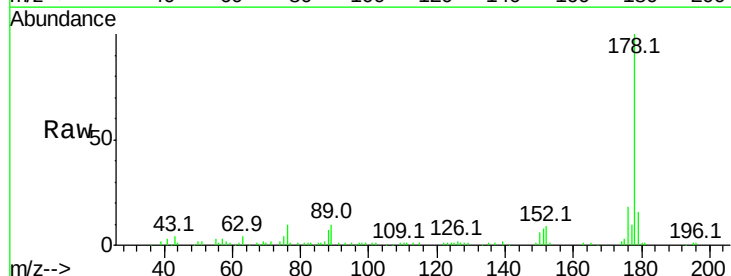
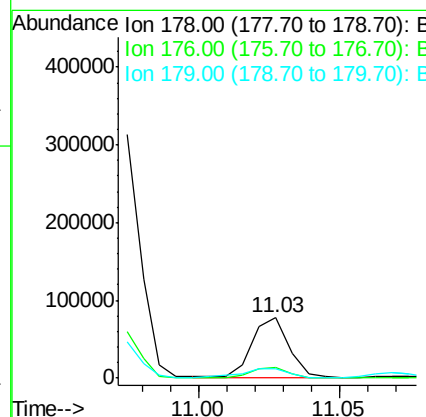
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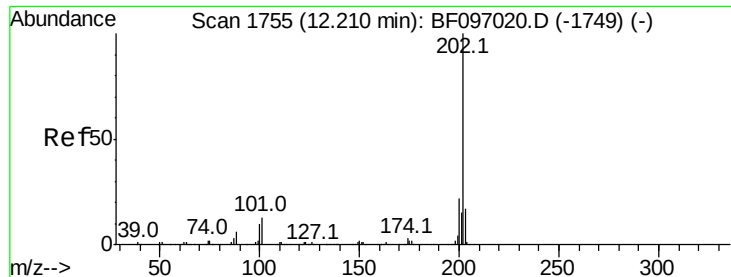
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#71
Anthracene
Concen: 4.255 ng
RT: 11.03 min Scan# 1554
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.5	12.7	19.1





#74

Fluoranthene

Concen: 21.014 ng

RT: 12.16 min Scan# 1746

Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Instrument :

BNA_F

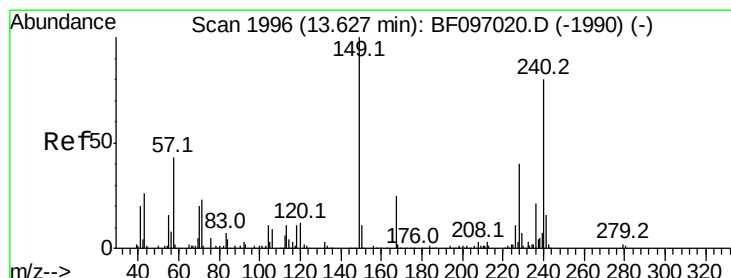
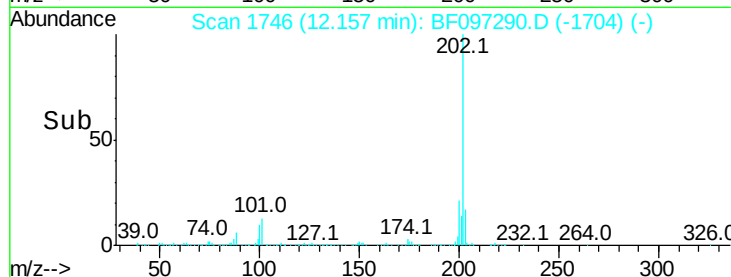
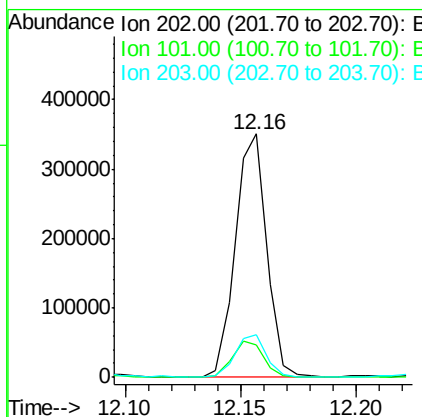
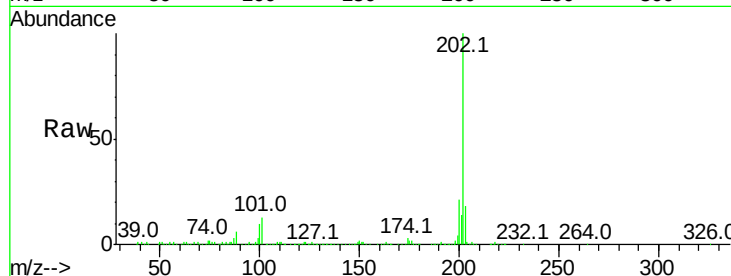
ClientSampleId :

348

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	13.3	0.0	33.2		
203	17.5	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

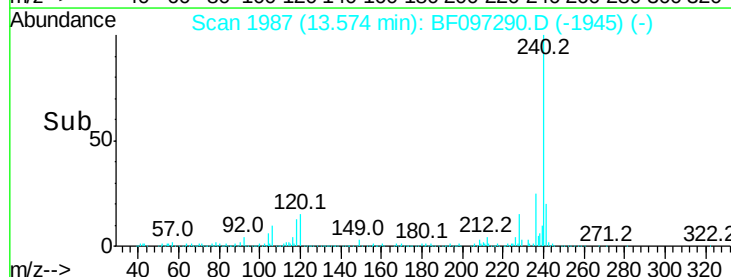
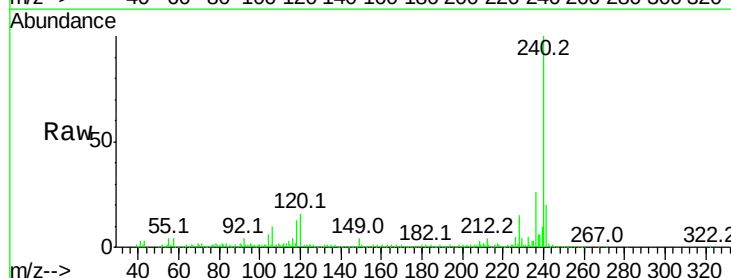
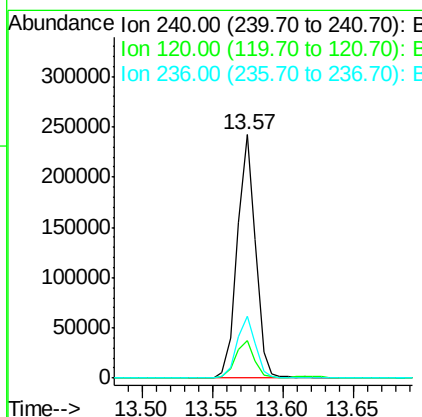
RT: 13.57 min Scan# 1987

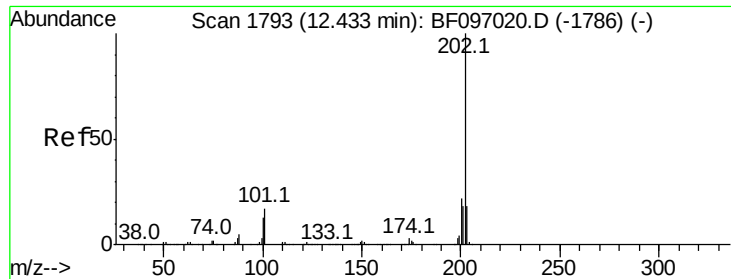
Delta R.T. -0.05 min

Lab File: BF097290.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	15.7	5.8	8.8#		
236	25.6	20.5	30.7		





#77

Pvrene

Concen: 17.477 ng

RT: 12.38 min Scan# 1784

Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Instrument :

BNA_F

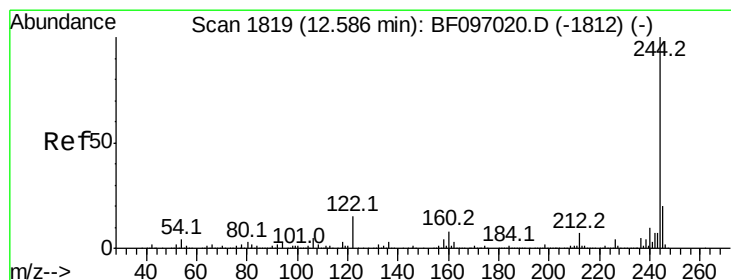
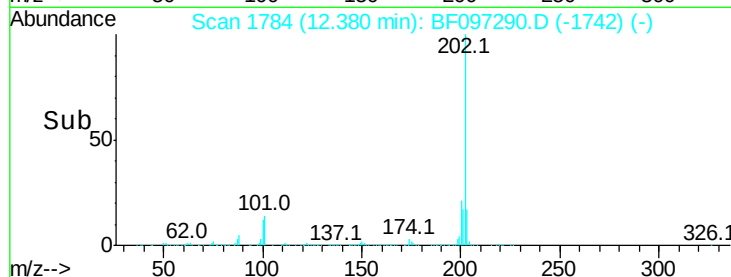
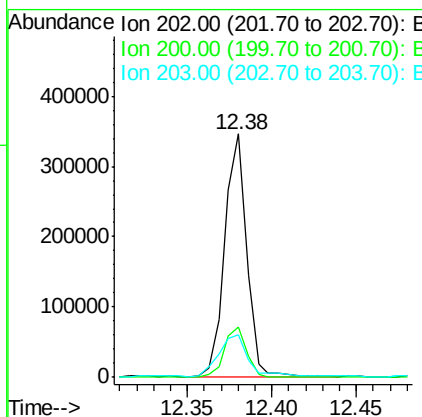
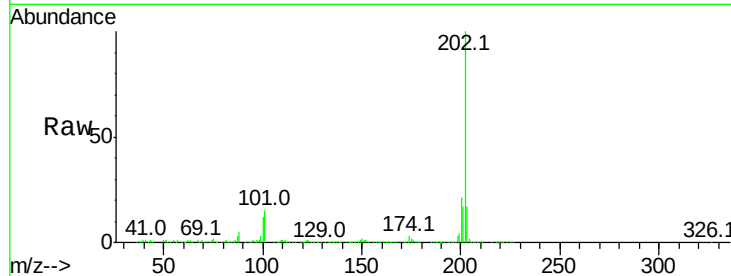
ClientSampleId :

348

Tot Ion:	202	Resp:	312047
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.6	26.4
203	17.3	14.4	21.6

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#78

Terphenyl-d14

Concen: 13.523 ng

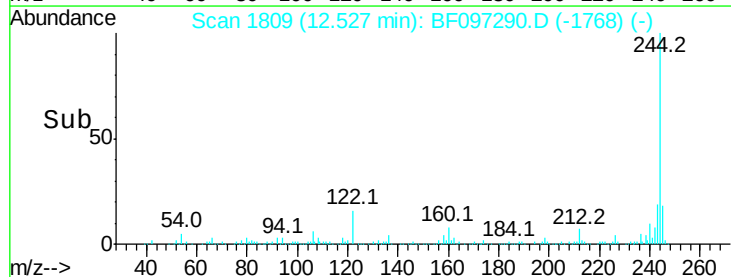
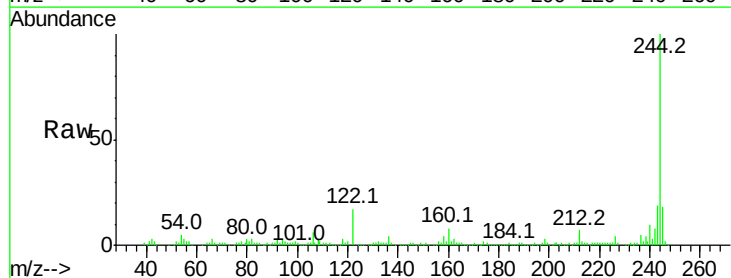
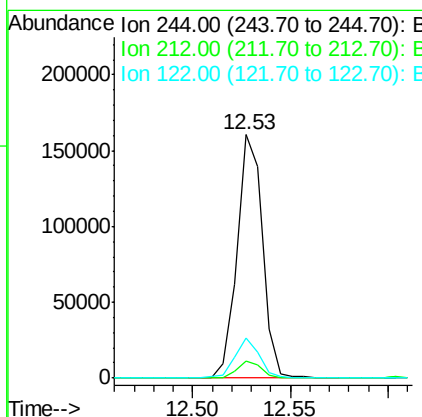
RT: 12.53 min Scan# 1809

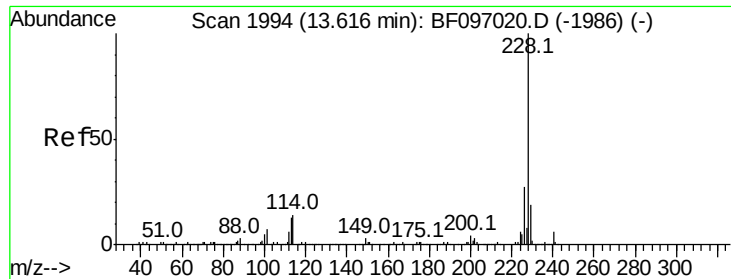
Delta R.T. -0.06 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Tgt Ion:	244	Resp:	144656
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	16.6	10.3	15.5#





#80

Benzo(a)anthracene

Concen: 10.468 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Instrument :

BNA_F

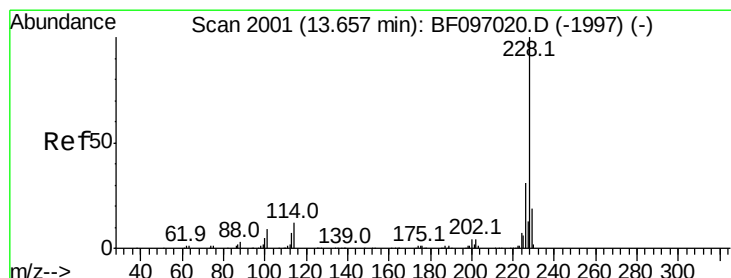
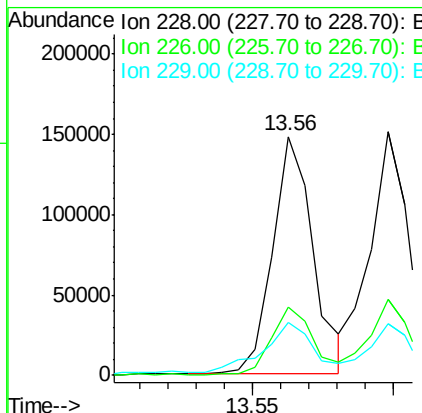
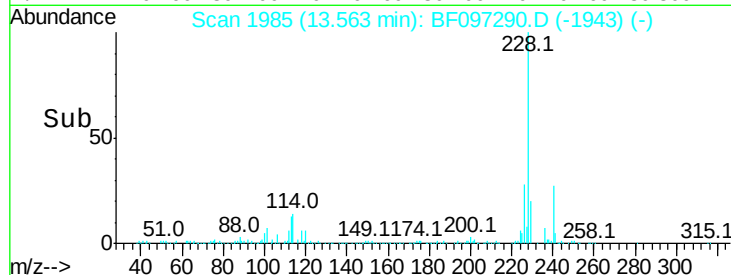
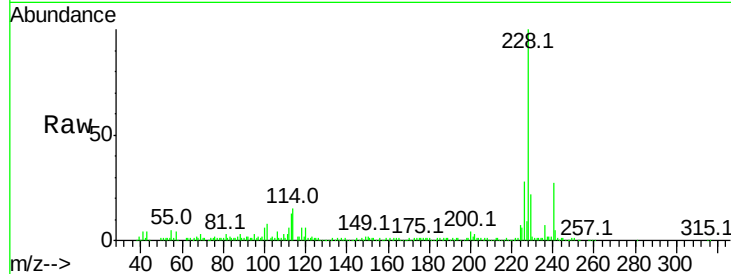
ClientSampleId :

348

Tot Ion:228	Resp:	147724
Ion Ratio	Lower	Upper
228	100	
226	28.4	22.6 33.8
229	22.0	16.3 24.5

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#82

Chrysene

Concen: 10.463 ng

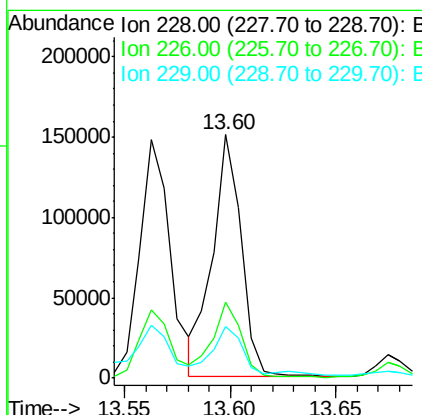
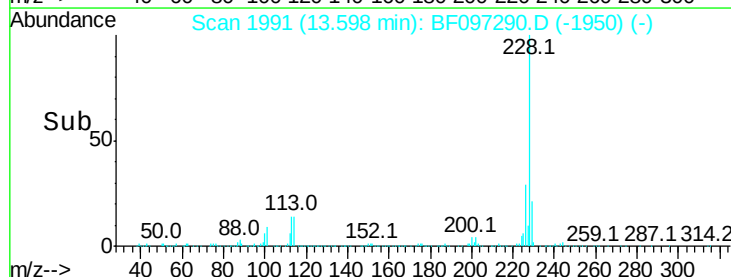
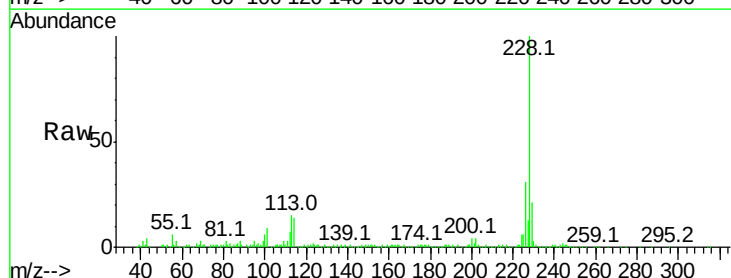
RT: 13.60 min Scan# 1991

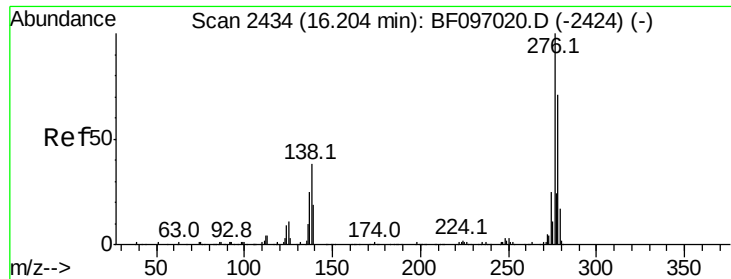
Delta R.T. -0.06 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Tgt Ion:228	Resp:	144181
Ion Ratio	Lower	Upper
228	100	
226	31.1	24.9 37.3
229	21.4	15.8 23.6





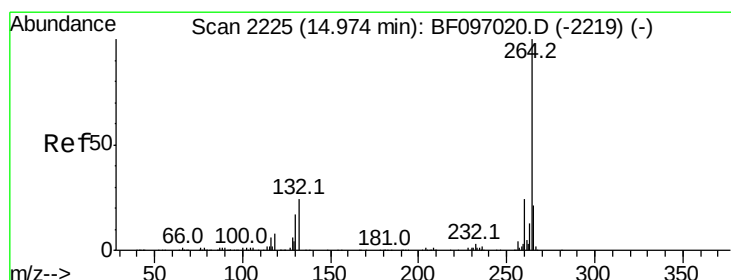
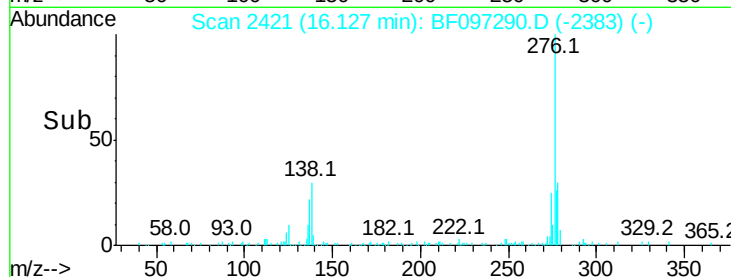
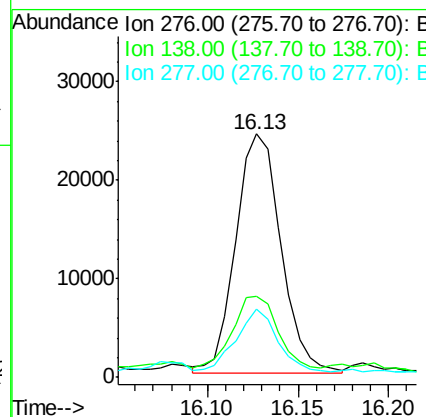
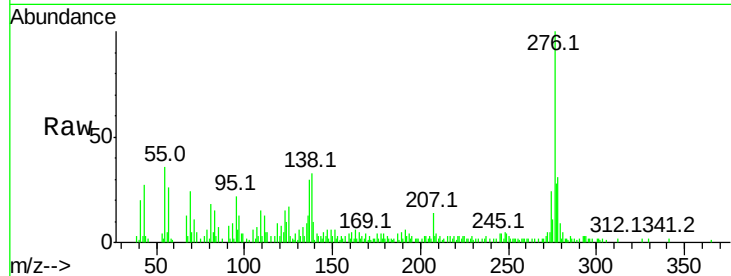
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.589 ng
RT: 16.13 min Scan# 2421
Delta R.T. -0.08 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Instrument :
BNA_F
ClientSampleId :
348

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.6	27.8	41.6
277	25.1	20.2	30.4

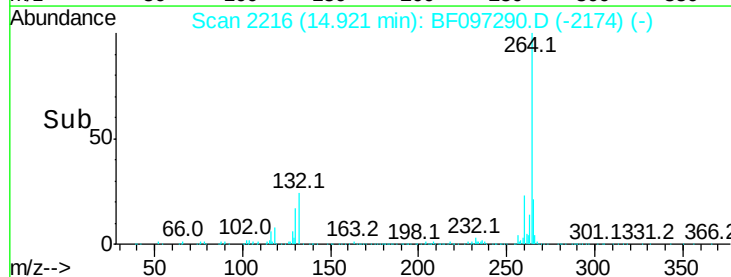
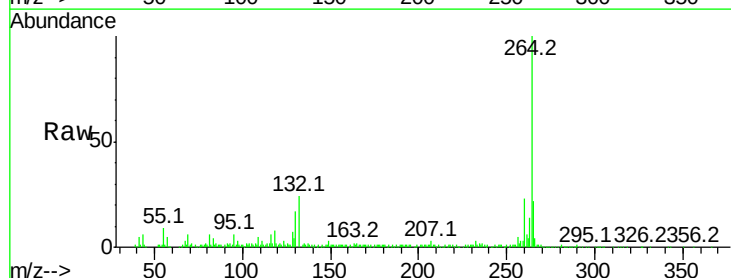
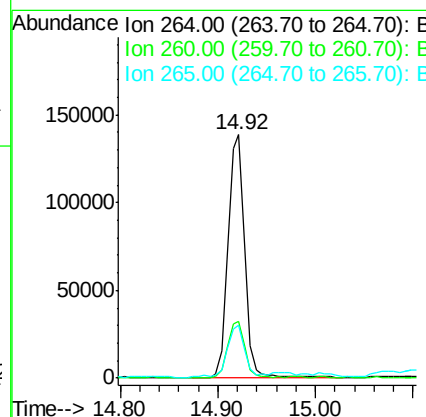
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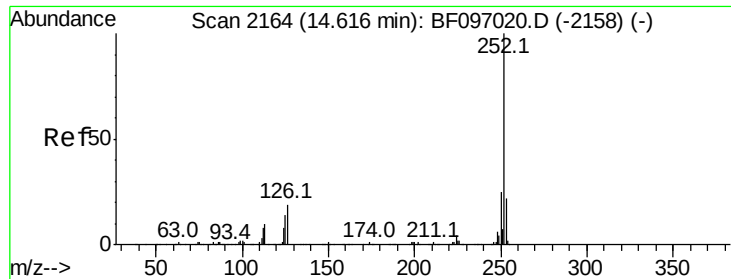
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.92 min Scan# 2216
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.8	17.2	25.8





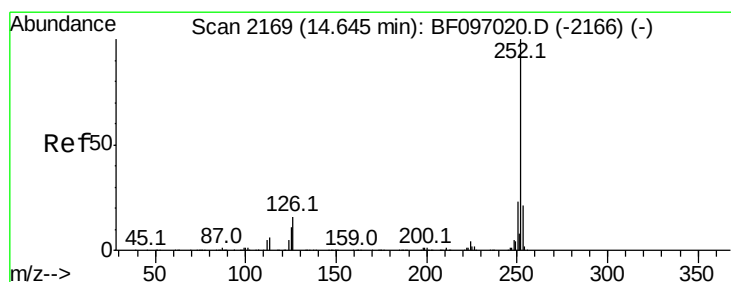
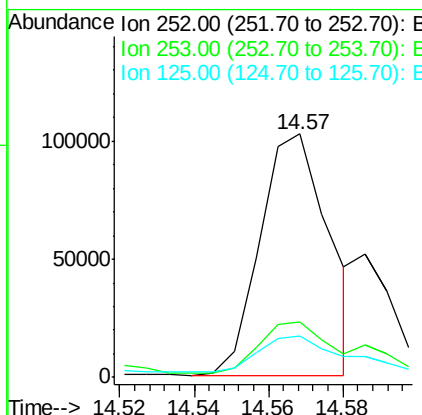
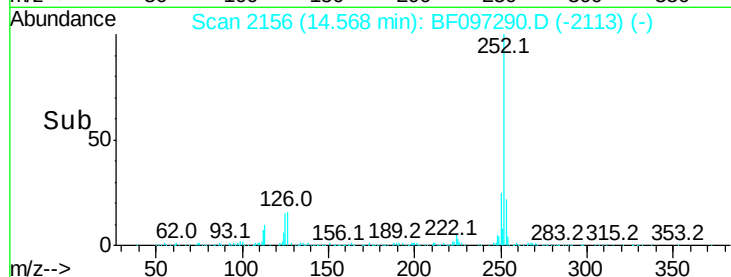
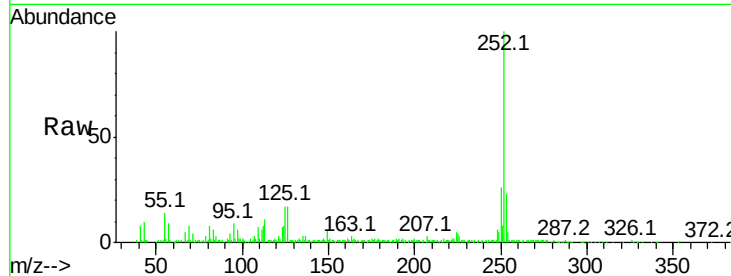
#87
Benzo(b)fluoranthene
Concen: 13.279 ng m
RT: 14.57 min Scan# 2156
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Instrument :
BNA_F
ClientSampled :
348

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	17.2	9.8	14.8

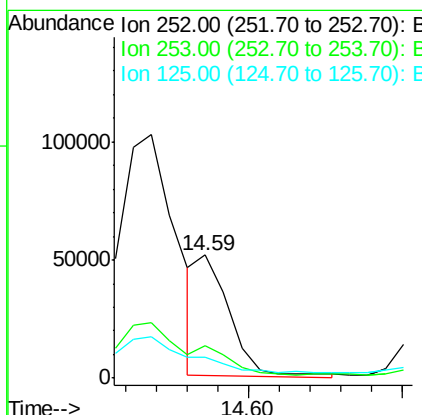
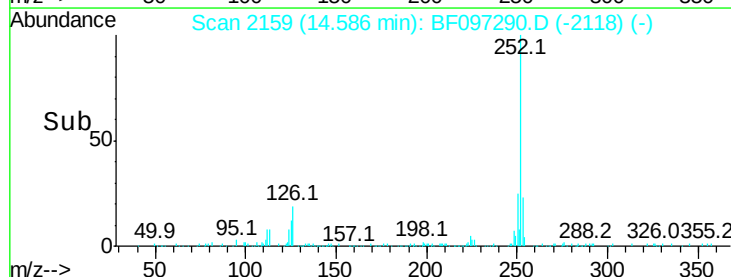
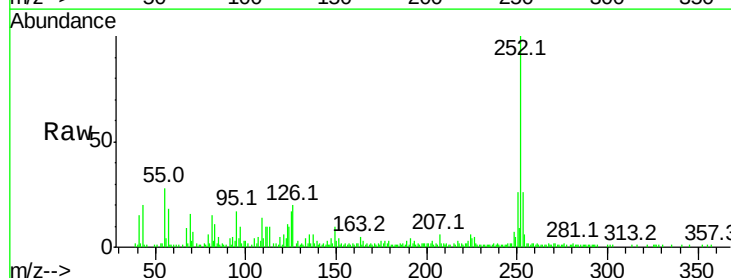
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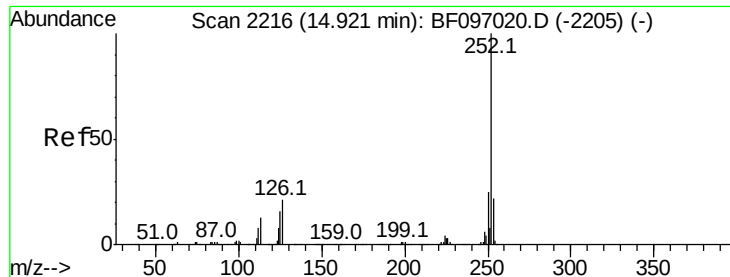
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#88
Benzo(k)fluoranthene
Concen: 3.924 ng m
RT: 14.59 min Scan# 2159
Delta R.T. -0.06 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.4	27.6
125	16.7	13.1	19.7





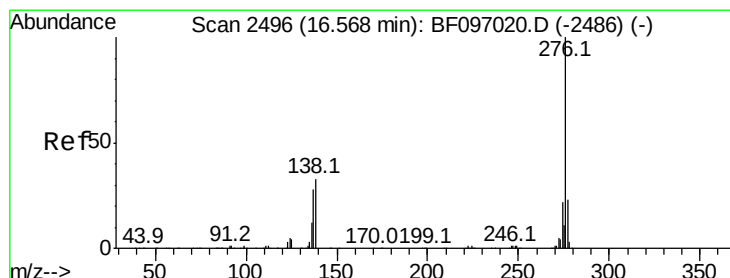
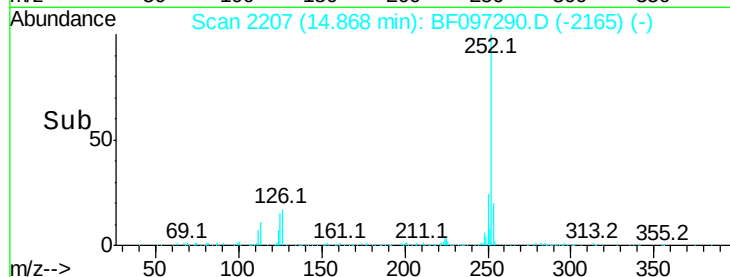
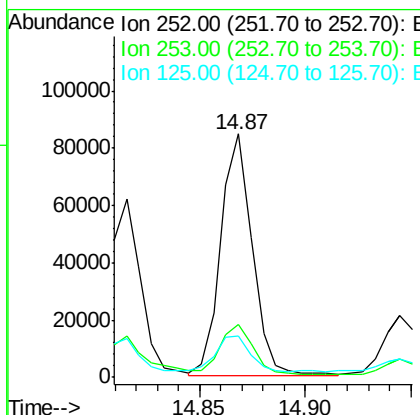
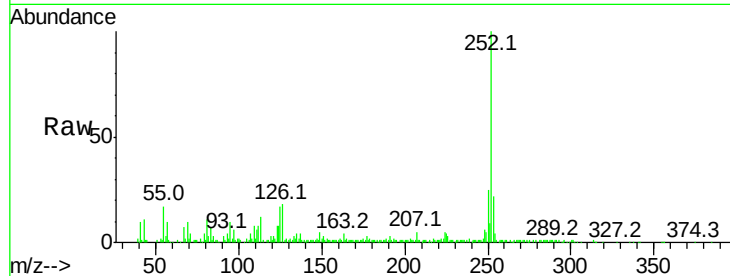
#89
Benzo(a)pyrene
Concen: 9.575 ng
RT: 14.87 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Instrument :
BNA_F
ClientSampled :
348

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	17.3	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.216 ng
RT: 16.49 min Scan# 2482
Delta R.T. -0.08 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	35.7	25.4	38.0

