

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097797.D
 Acq On : 17 Aug 2017 20:27
 Operator : SJ/JU
 Sample : I4815-04 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081517-B

Manual Integrations
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Quant Time: Aug 18 03:38:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	135000	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	487177	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	182036	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	294502	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	283883	20.00	ng	-0.01
86) Perylene-d12	15.36	264	207960	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	260276	29.33	ng	-0.02
7) Phenol-d6	6.40	99	336971	27.94	ng	-0.01
23) Nitrobenzene-d5	7.33	82	192744	21.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	35027	22.18	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	272597	22.00	ng	-0.01
78) Terphenyl-d14	12.87	244	185764	13.65	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.53	163	30432	2.287	ng	98
70) Phenanthrene	11.32	178	122397	7.799	ng	98
71) Anthracene	11.37	178	33522	2.106	ng	96
74) Fluoranthene	12.50	202	218086	13.314	ng	99
77) Pyrene	12.73	202	220475	9.496	ng	98
80) Benzo(a)anthracene	13.92	228	130925	7.695	ng	95
82) Chrysene	13.95	228	122962	7.265	ng	99
85) Indeno(1,2,3-cd)pyrene	16.74	276	49030	3.938	ng	# 90
87) Benzo(b)fluoranthene	14.94	252	137689m	10.504	ng	
88) Benzo(k)fluoranthene	14.97	252	45424m	3.688	ng	
89) Benzo(a)pyrene	15.29	252	93537	8.060	ng	97
91) Benzo(a,h,i)perylene	17.17	276	46779	4.745	ng	# 91

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

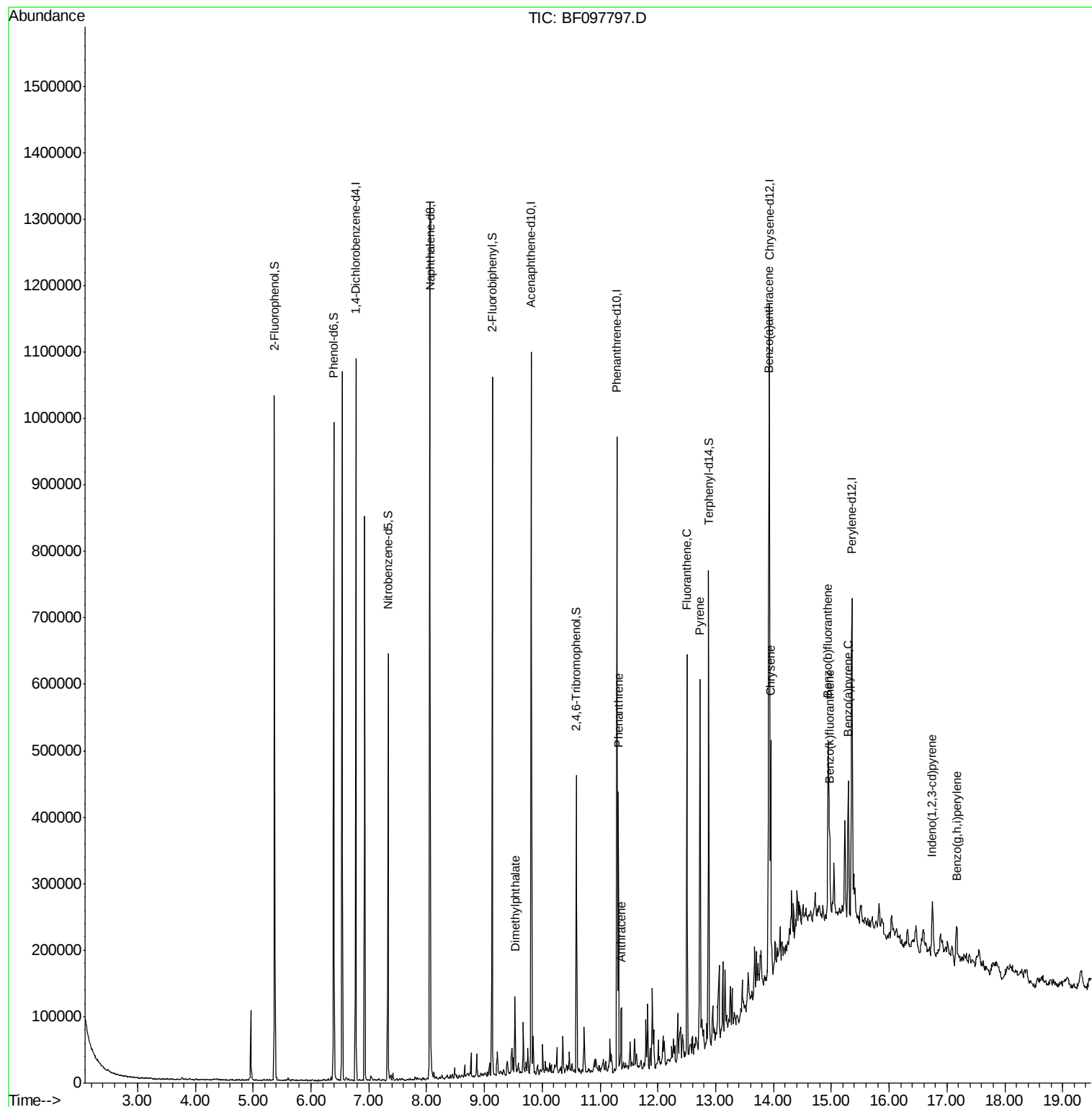
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
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ALS Vial : 13 Sample Multiplier: 1

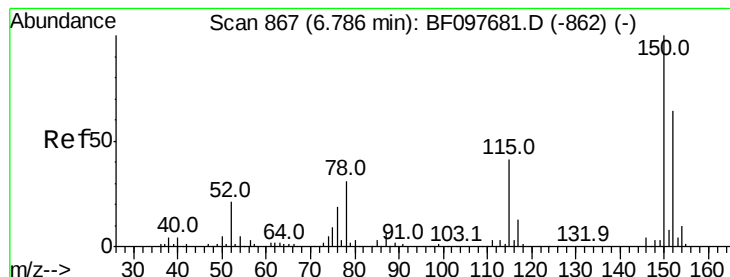
Instrument :
BNA_F
ClientSampleId :
TR-05-081517-B

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

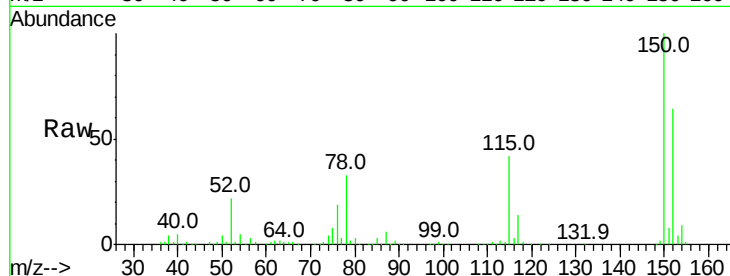
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Instrument :
BNA_F
ClientSampled :
TR-05-081517-B

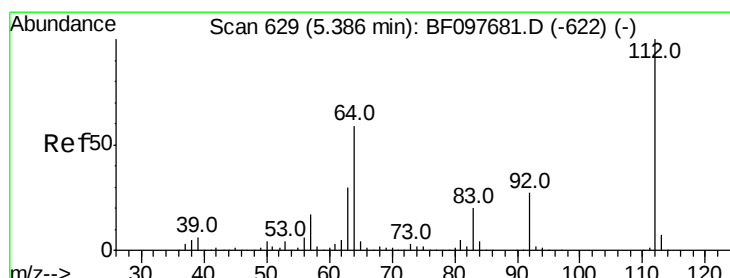
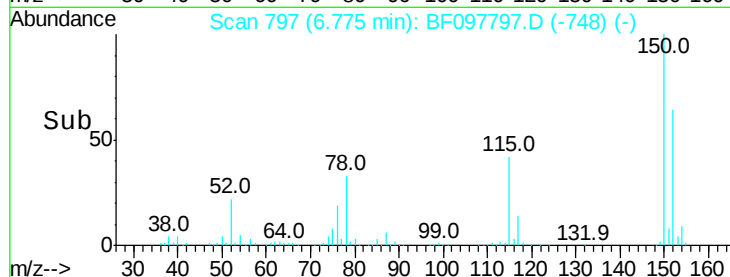
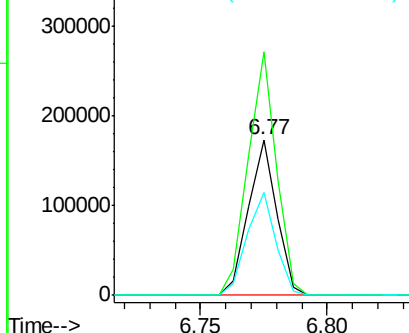
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.2	189.2
115	65.9	52.2	78.2

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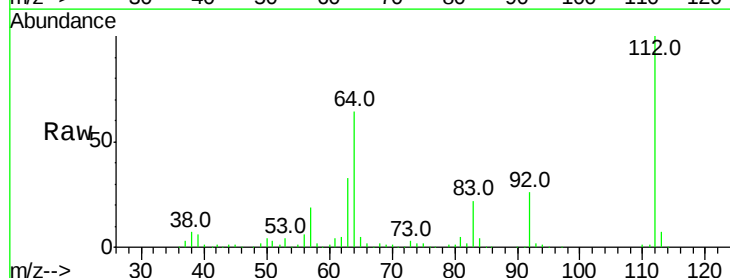
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



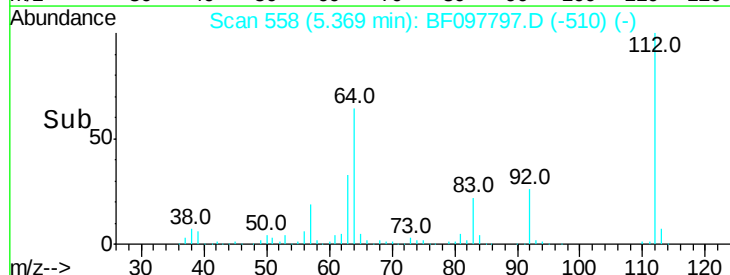
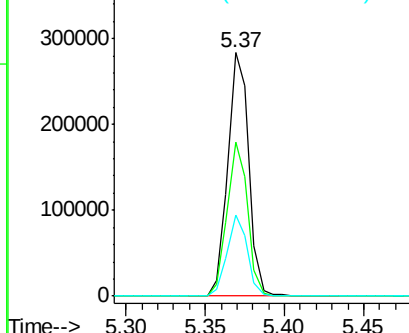
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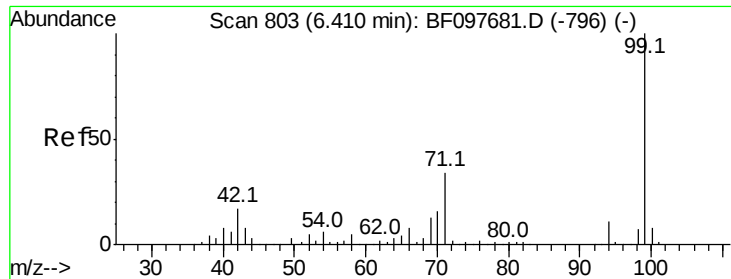
2-Fluorophenol
Concen: 29.326 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.02 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	46.0	69.0
63	33.3	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.944 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097797.D

Acq: 17 Aug 2017 20:27

Instrument :

BNA_F

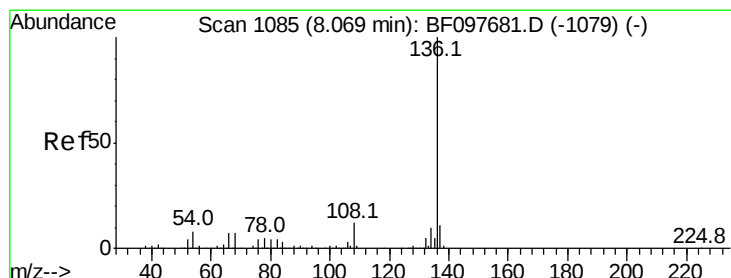
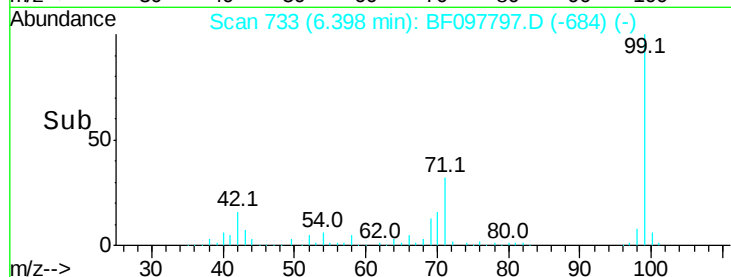
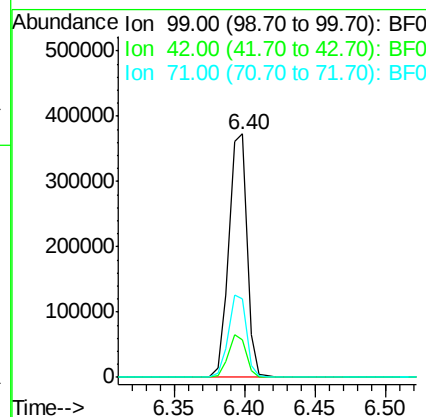
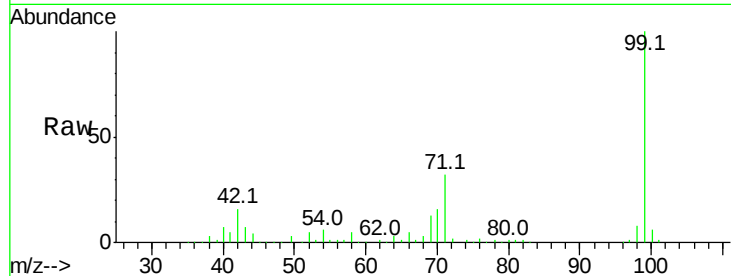
ClientSampleId :

TR-05-081517-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		336971		
42	15.6	13.5	20.3		
71	32.4	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

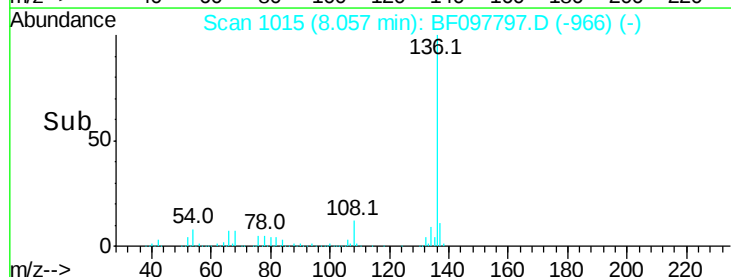
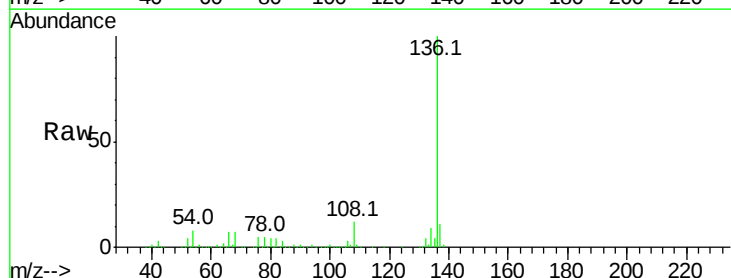
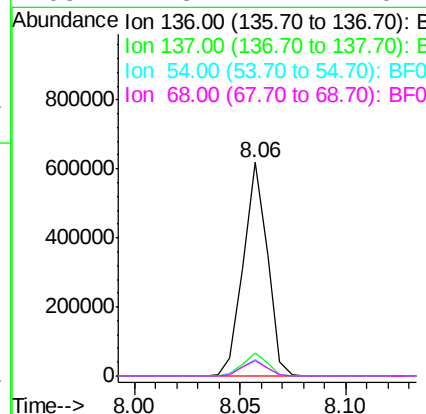
RT: 8.06 min Scan# 1015

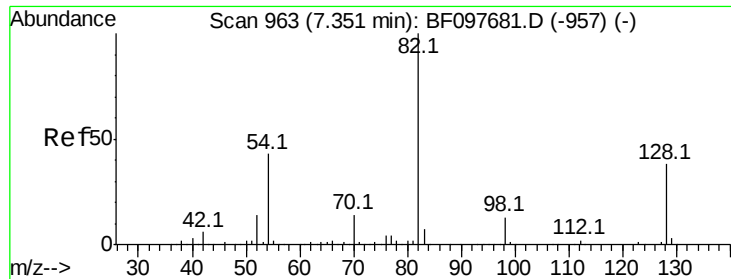
Delta R.T. -0.01 min

Lab File: BF097797.D

Acq: 17 Aug 2017 20:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		487177		
137	11.0	8.5	12.7		
54	8.1	4.9	7.3#		
68	7.3	4.1	6.1#		





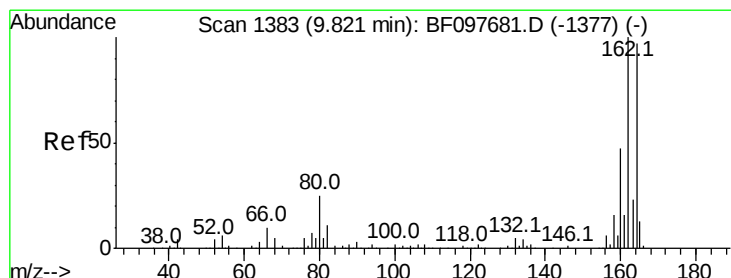
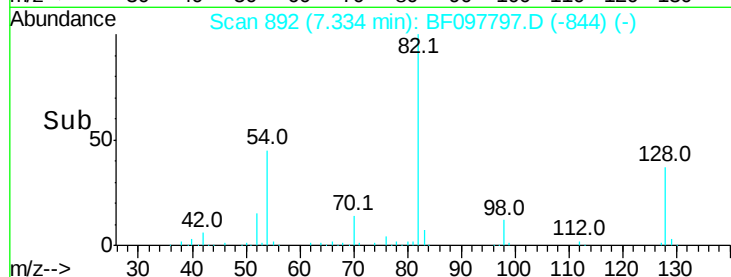
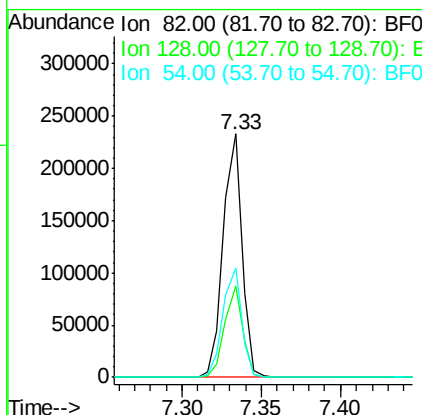
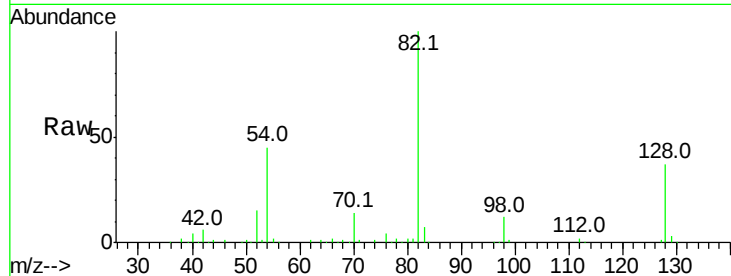
#23
 Nitrobenzene-d5
 Concen: 21.493 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097797.D
 Acq: 17 Aug 2017 20:27

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081517-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.3	34.0	51.0	
54	44.7	42.2	63.2	

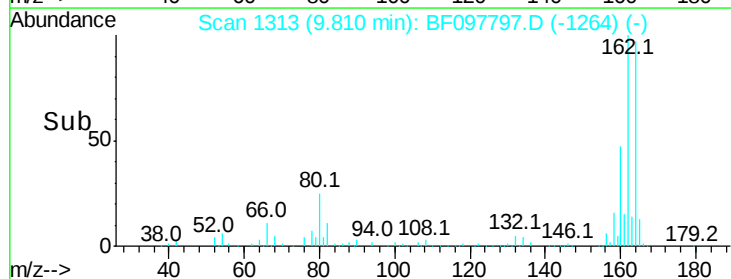
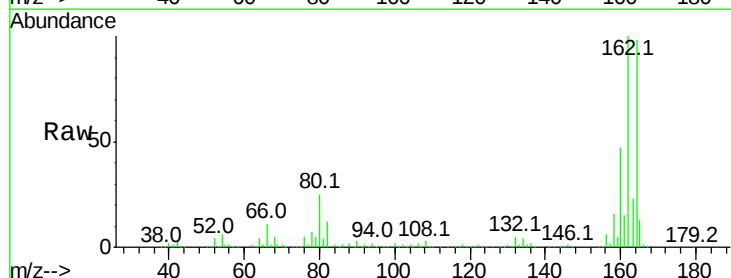
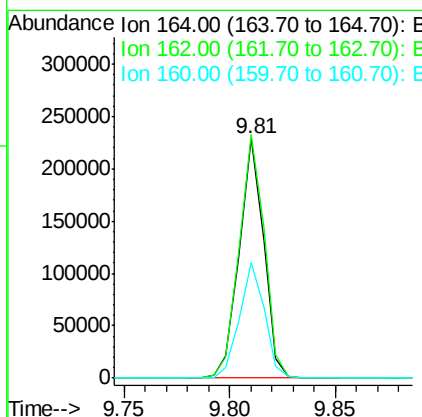
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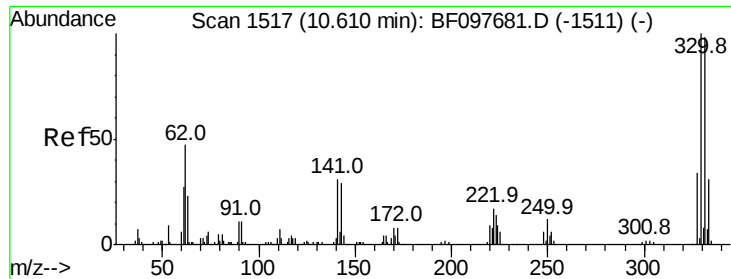
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097797.D
 Acq: 17 Aug 2017 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	82.6	123.8	
160	48.2	36.2	54.2	





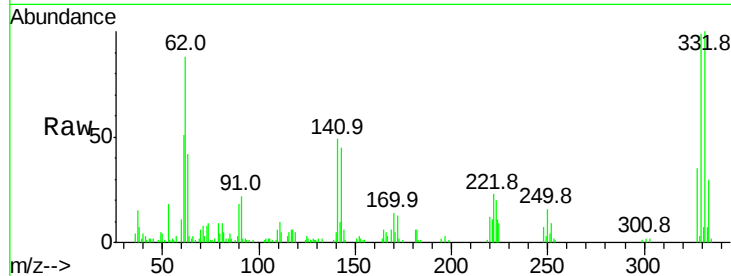
#41
 2,4,6-Tribromophenol
 Concen: 22.177 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF097797.D
 Acq: 17 Aug 2017 20:27

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081517-B

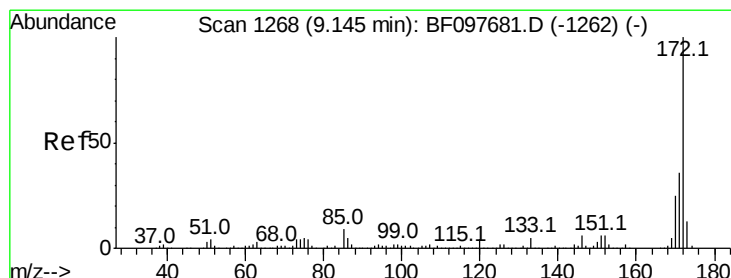
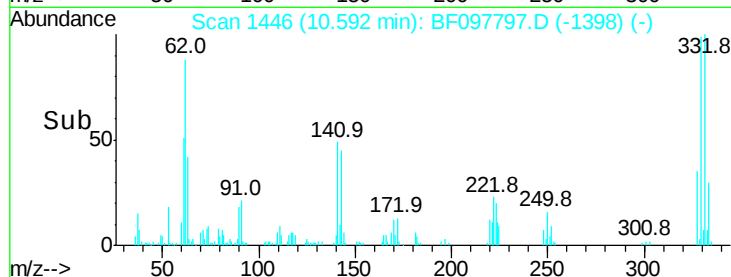
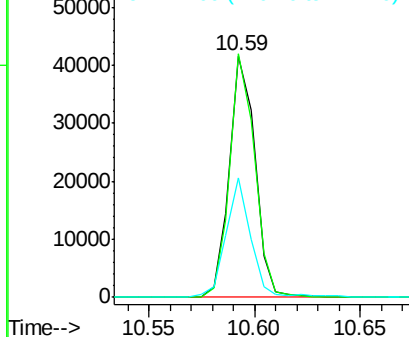
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	115.0
141	48.2	31.4	47.2#

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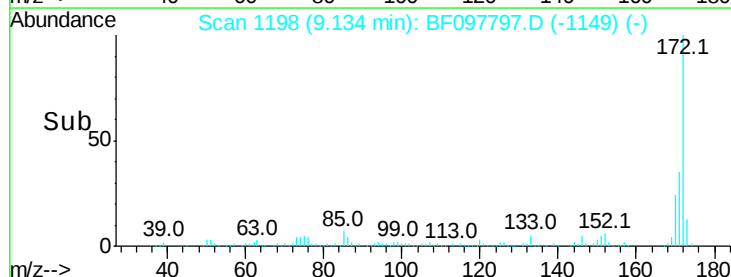
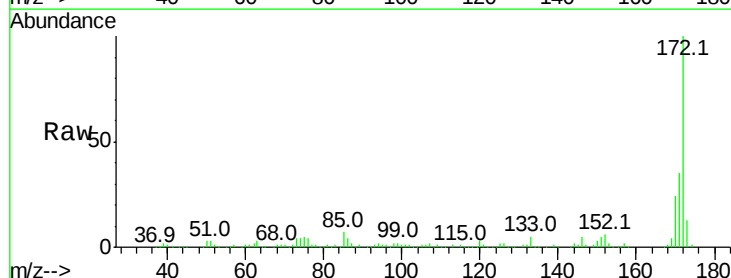
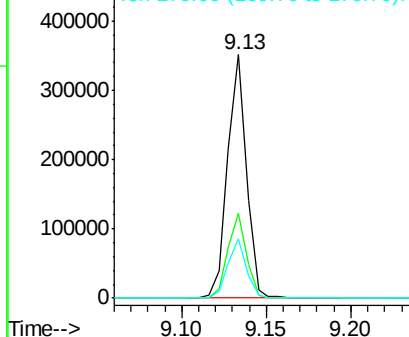
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

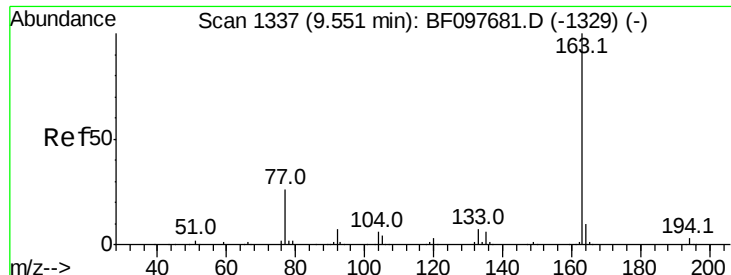


#44
 2-Fluorobiphenyl
 Concen: 22.001 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097797.D
 Acq: 17 Aug 2017 20:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	24.1	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





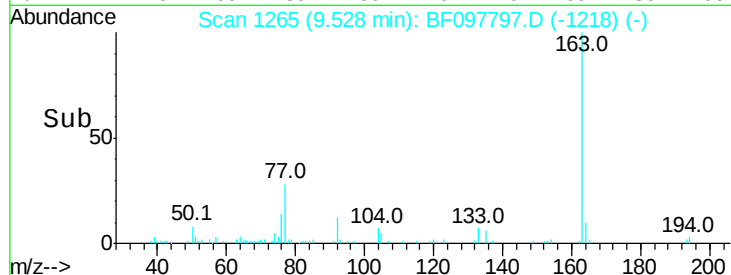
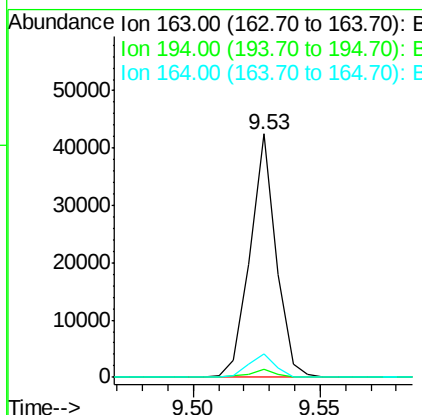
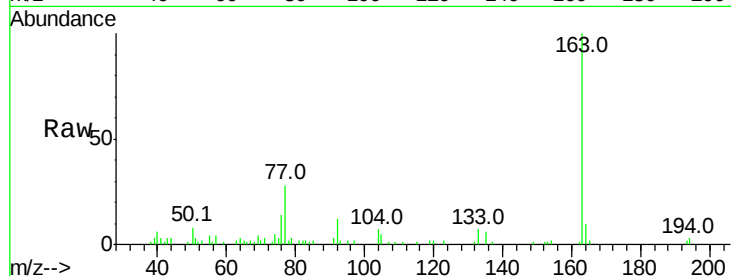
#49
Dimethylphthalate
Concen: 2.287 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Instrument :
BNA_F
ClientSampleId :
TR-05-081517-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.6	4.0	
164	9.5	8.4	12.6	

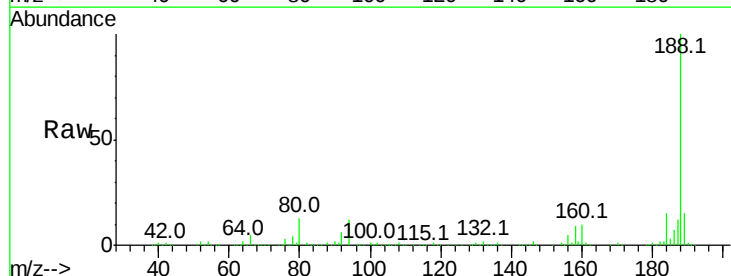
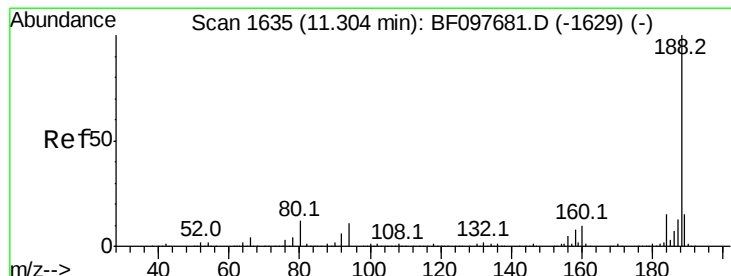
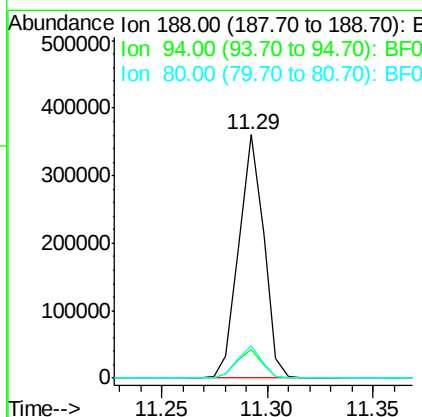
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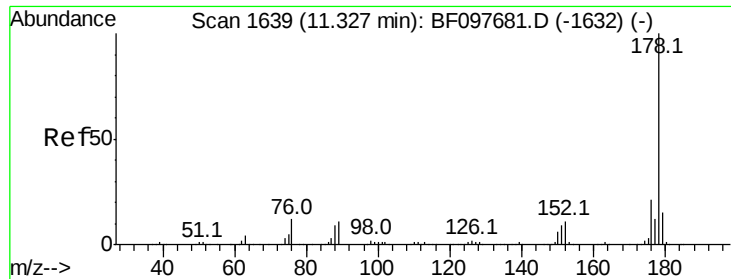
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.9	9.4	14.2	
80	13.2	10.2	15.2	





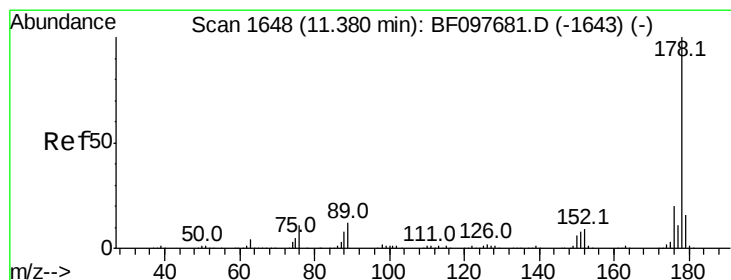
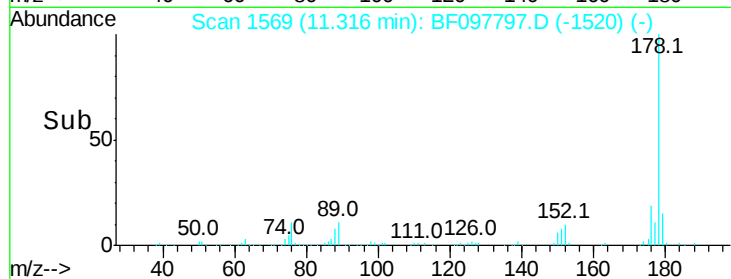
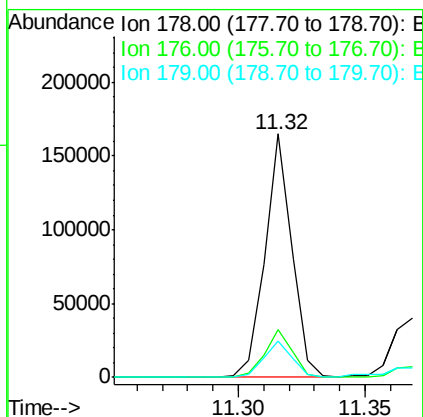
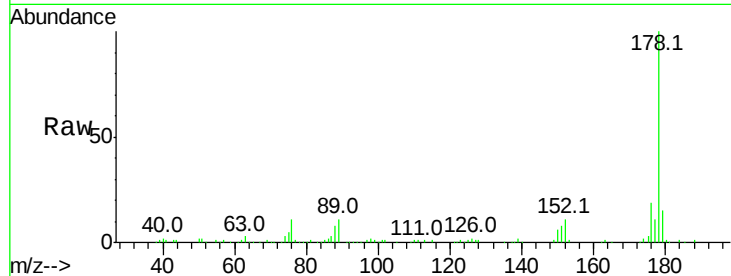
#70
Phenanthrene
Concen: 7.799 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Instrument :
BNA_F
ClientSampleId :
TR-05-081517-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.1	12.6	19.0

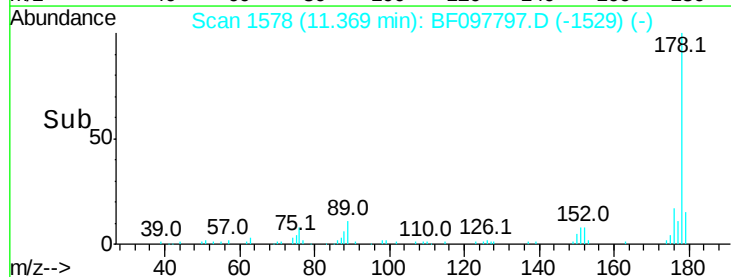
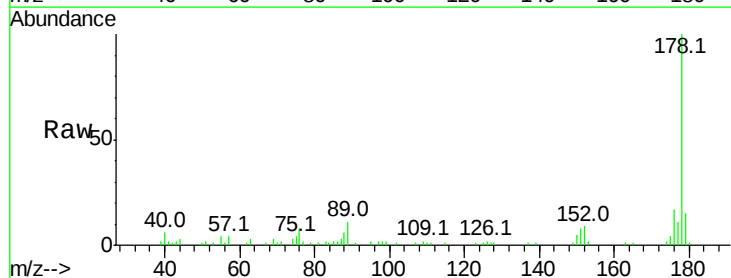
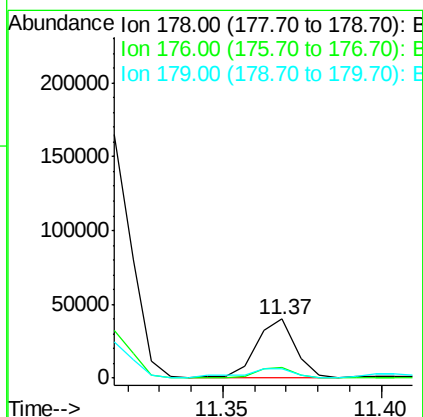
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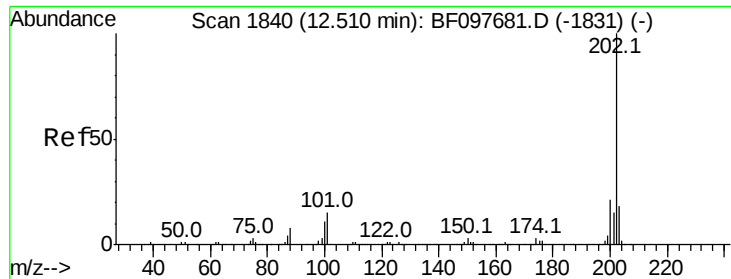
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#71
Anthracene
Concen: 2.106 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.8	23.8
179	15.2	12.7	19.1





#74

Fluoranthene

Concen: 13.314 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097797.D

Acq: 17 Aug 2017 20:27

Instrument :

BNA_F

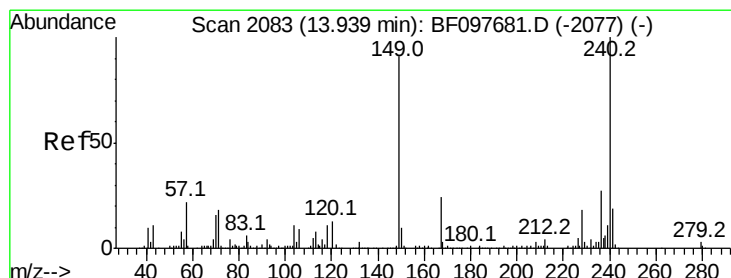
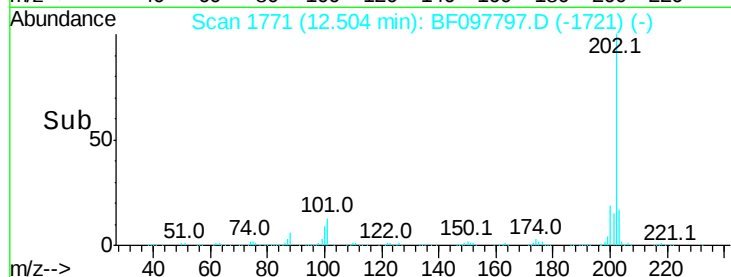
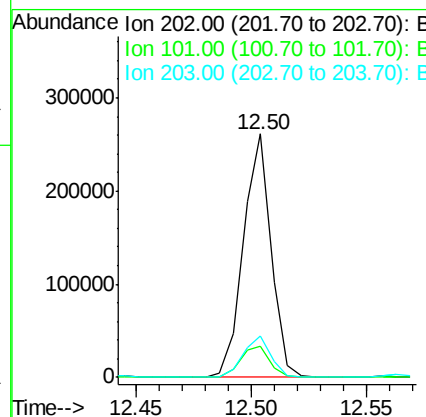
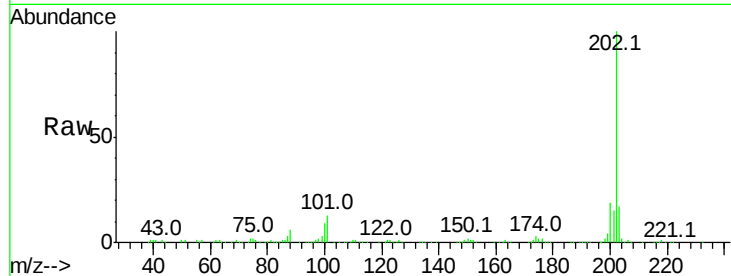
ClientSampleId :

TR-05-081517-B

Tot Ion	Ratio	Resp	Lower	Upper
202	100	218086		
101	13.0	0.0	33.2	
203	17.3	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

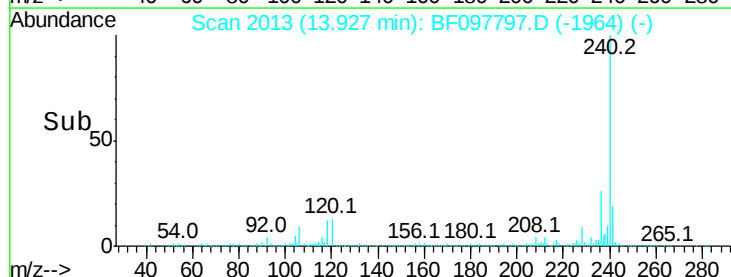
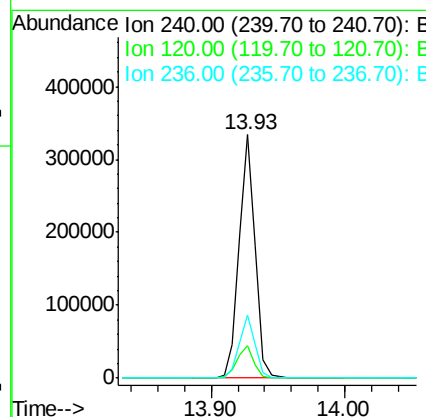
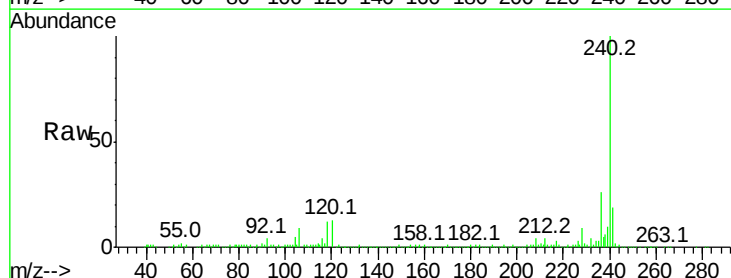
RT: 13.93 min Scan# 2013

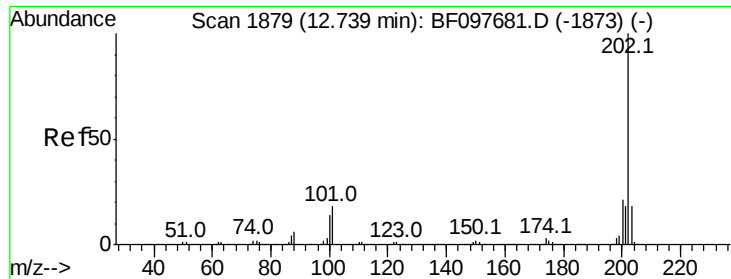
Delta R.T. -0.01 min

Lab File: BF097797.D

Acq: 17 Aug 2017 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	283883		
120	13.2	5.8	8.8#	
236	25.9	20.5	30.7	





#77

Pvrene

Concen: 9.496 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF097797.D

Acq: 17 Aug 2017 20:27

Instrument :

BNA_F

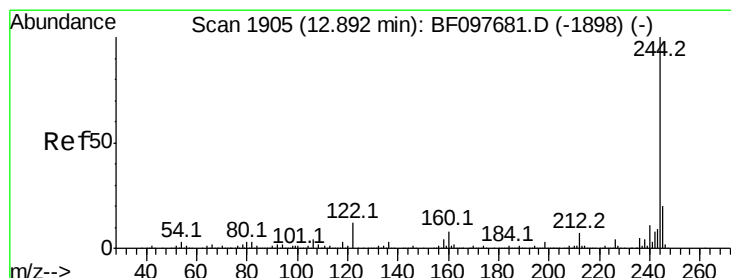
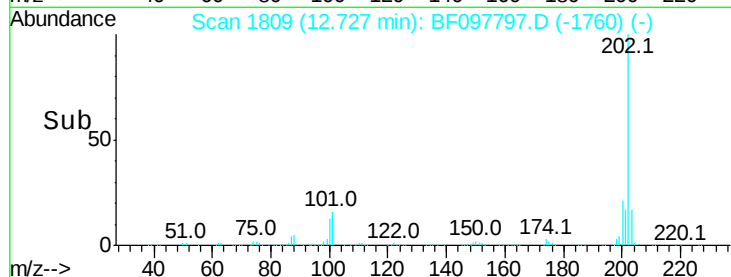
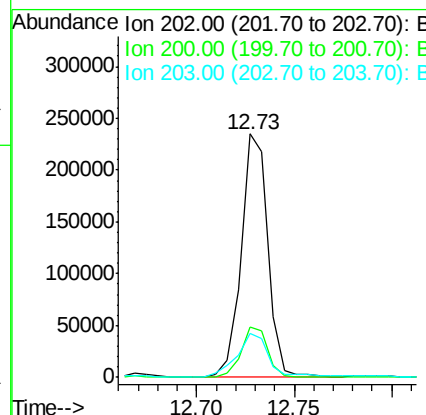
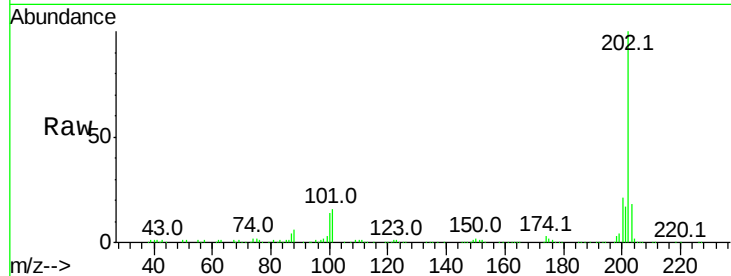
ClientSampleId :

TR-05-081517-B

Tot Ion:202	Resp:	220475
Ion Ratio	Lower	Upper
202 100		
200 20.6	17.6	26.4
203 18.1	14.4	21.6

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#78

Terphenyl-d14

Concen: 13.646 ng

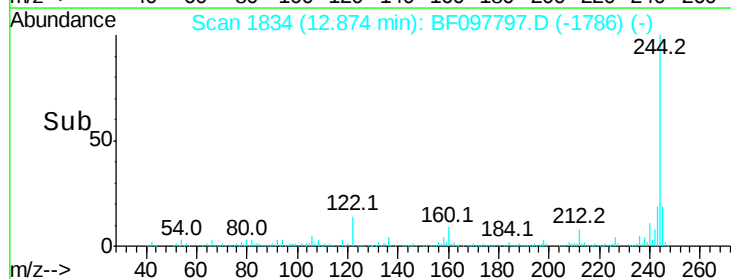
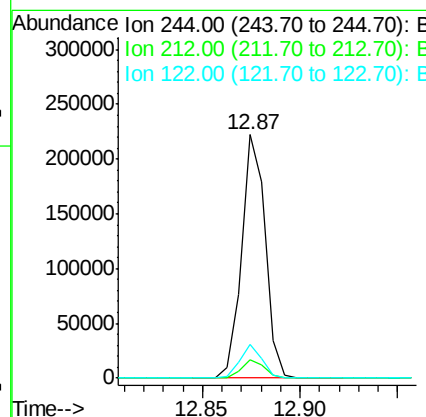
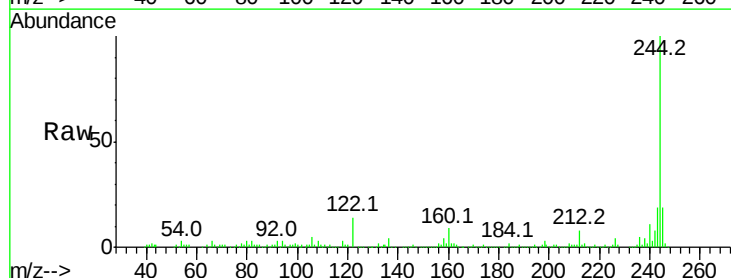
RT: 12.87 min Scan# 1834

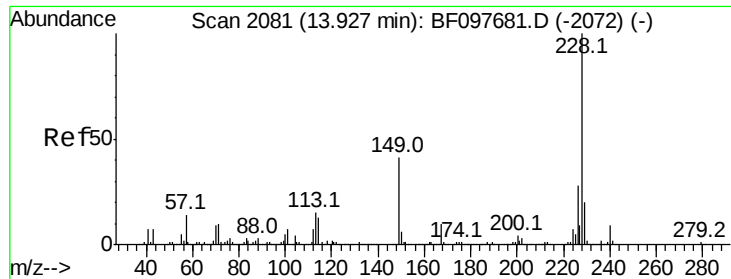
Delta R.T. -0.02 min

Lab File: BF097797.D

Acq: 17 Aug 2017 20:27

Tgt Ion:244	Resp:	185764
Ion Ratio	Lower	Upper
244 100		
212 7.8	6.0	9.0
122 14.0	10.3	15.5





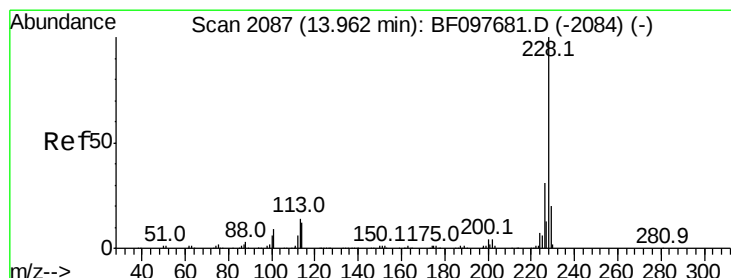
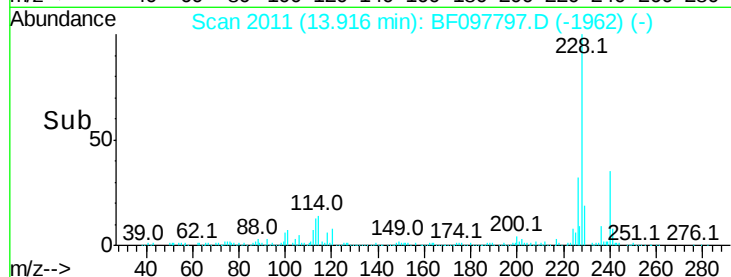
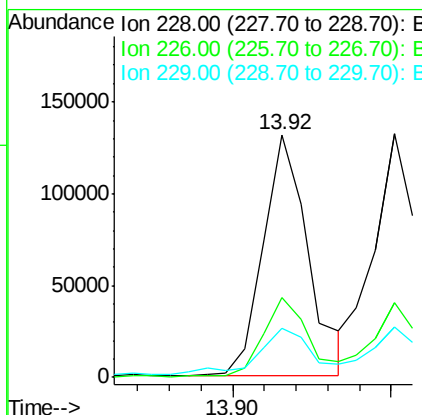
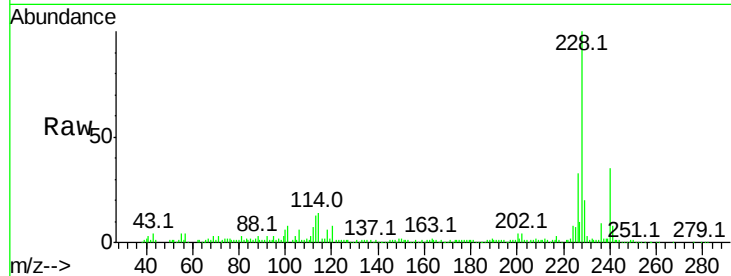
#80
Benzo(a)anthracene
Concen: 7.695 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Instrument :
BNA_F
ClientSampleId :
TR-05-081517-B

Tot Ion	Ratio	Resp	Lower	Upper
228	100	130925		
226	33.1		22.6	33.8
229	20.3		16.3	24.5

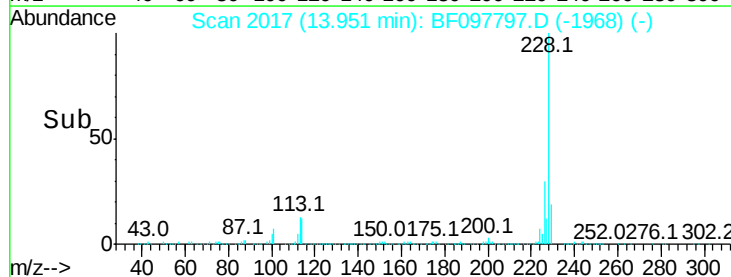
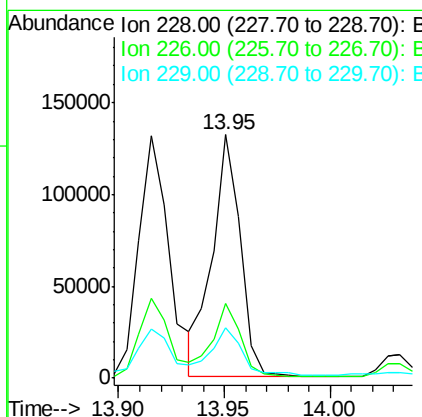
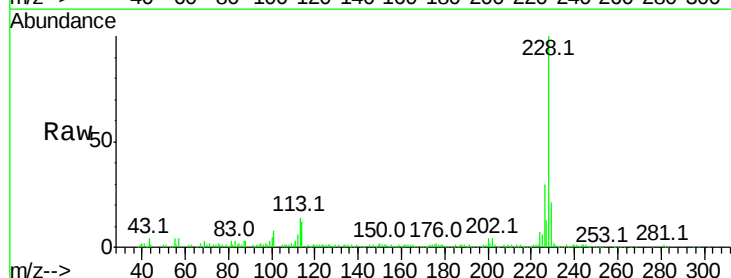
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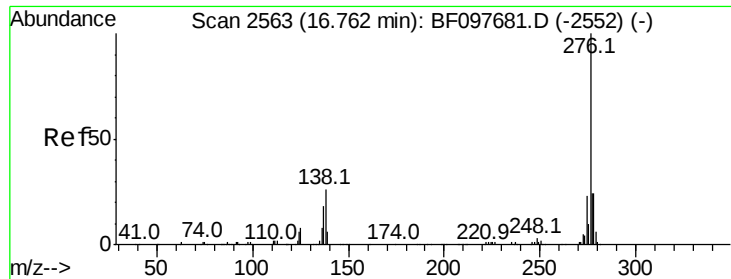
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#82
Chrysene
Concen: 7.265 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	122962		
226	30.5		24.9	37.3
229	20.5		15.8	23.6





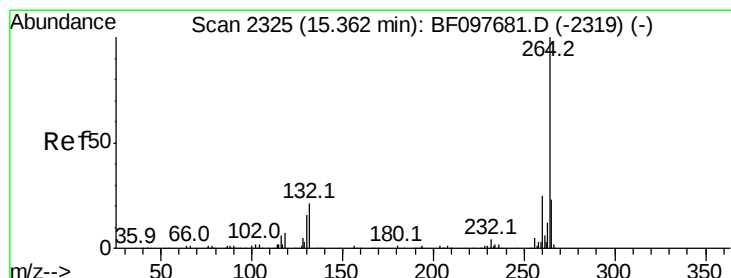
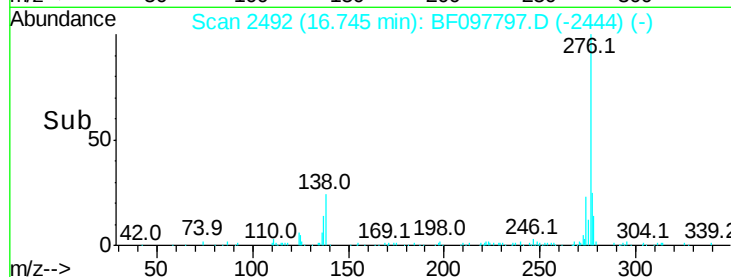
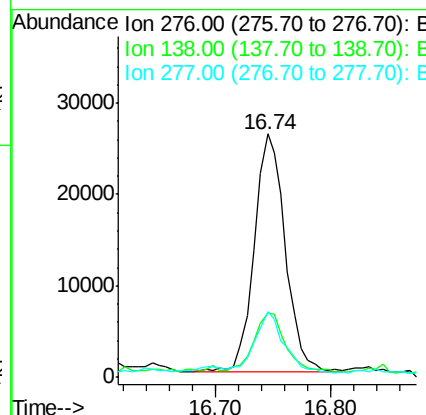
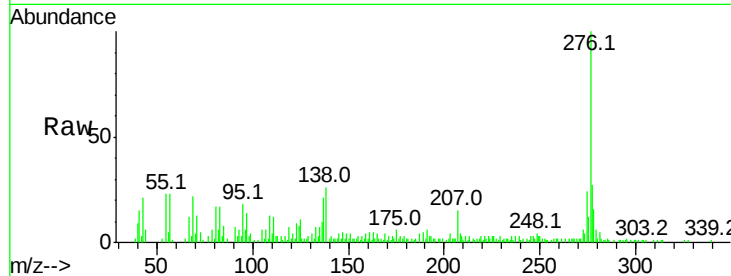
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.938 ng
RT: 16.74 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Instrument :
BNA_F
ClientSampled :
TR-05-081517-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	27.8	41.6#
277	24.5	20.2	30.4

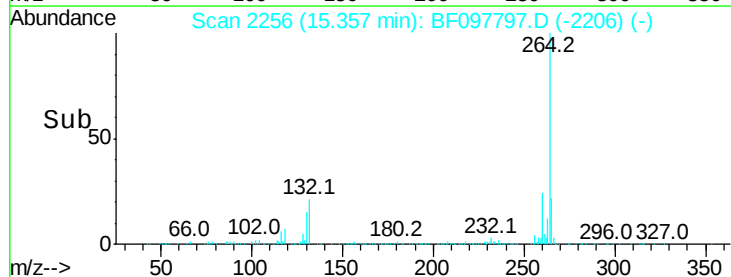
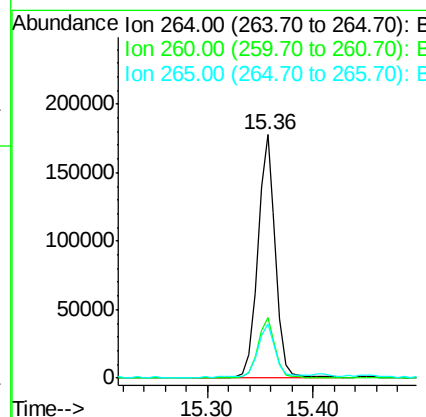
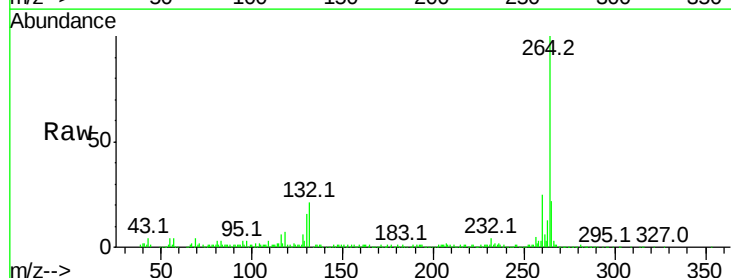
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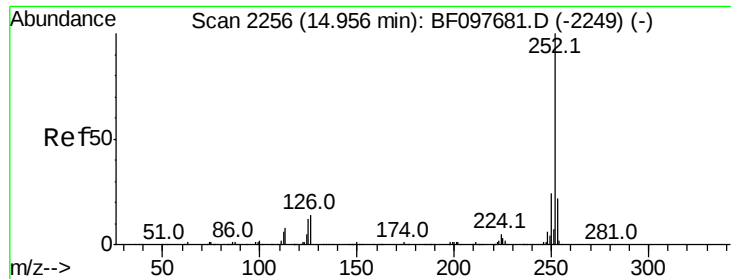
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 10.504 ng m

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF097797.D

Acq: 17 Aug 2017 20:27

Instrument :

BNA_F

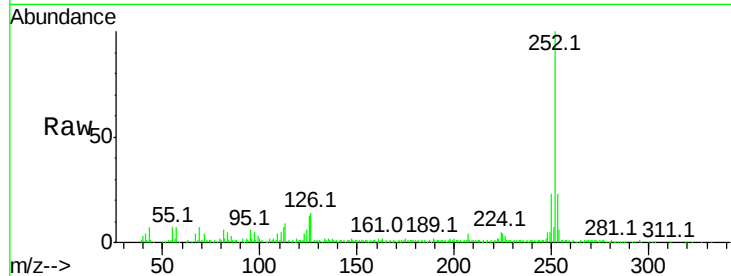
ClientSampleId :

TR-05-081517-B

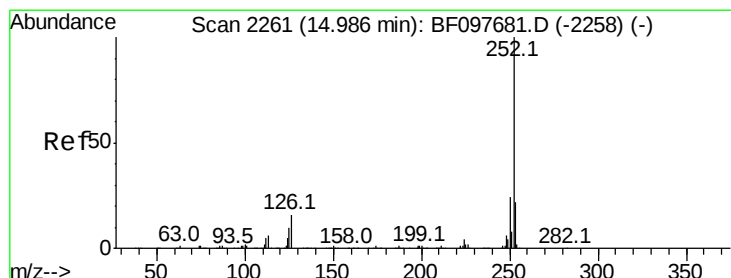
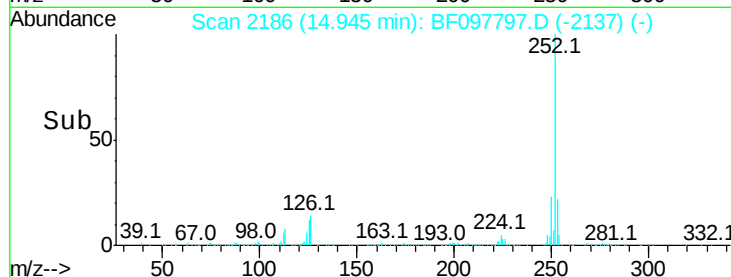
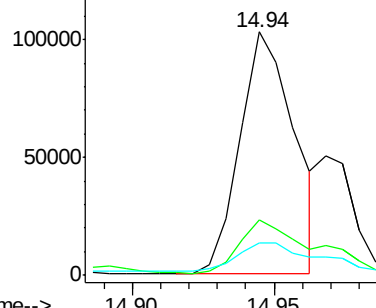
Tot Ion:	252	Resp:	137689
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	13.4	9.8	14.8

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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: 3.688 ng m

RT: 14.97 min Scan# 2190

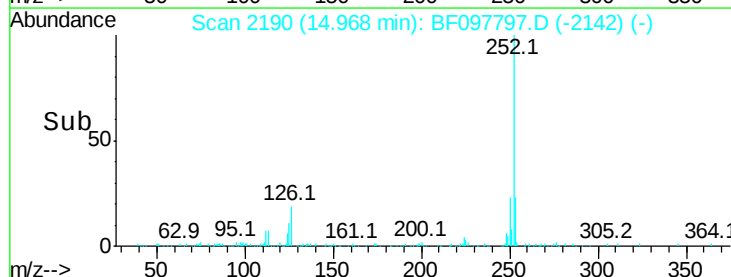
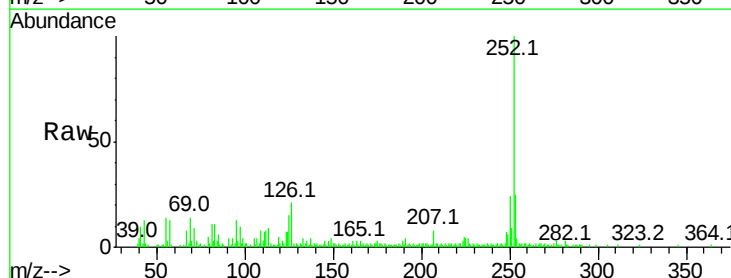
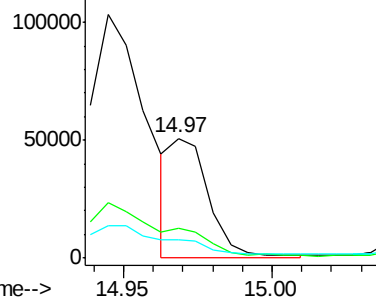
Delta R.T. -0.02 min

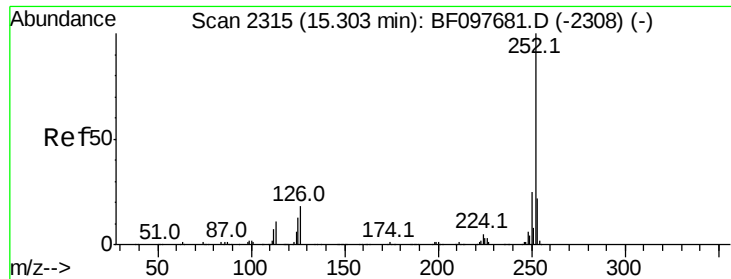
Lab File: BF097797.D

Acq: 17 Aug 2017 20:27

Tgt Ion:	252	Resp:	45424
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.4	27.6
125	15.4	13.1	19.7

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





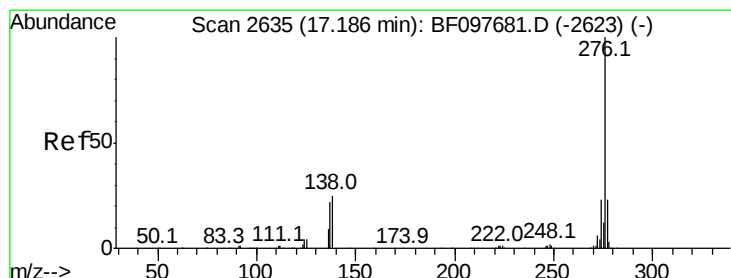
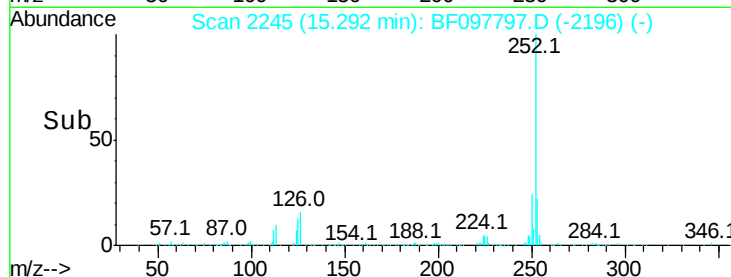
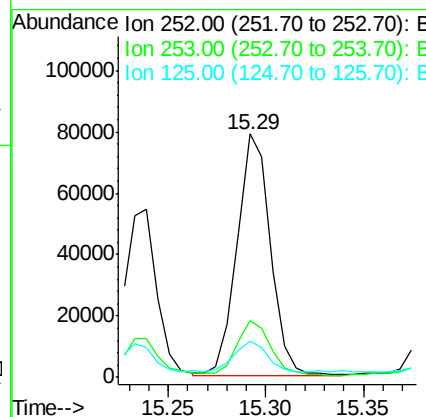
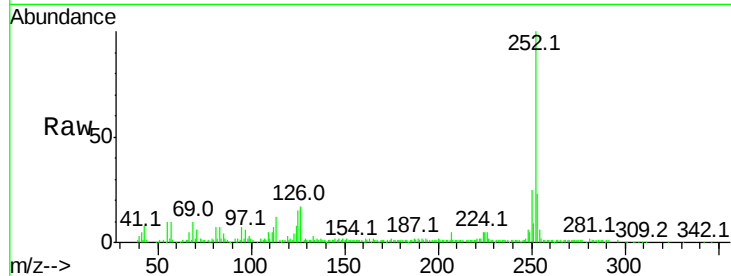
#89
Benzo(a)pyrene
Concen: 8.060 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Instrument :
BNA_F
ClientSampled :
TR-05-081517-B

Tot Ion:	252	Resp:	93537
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	15.1	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.745 ng
RT: 17.17 min Scan# 2564
Delta R.T. -0.02 min
Lab File: BF097797.D
Acq: 17 Aug 2017 20:27

Tgt Ion:	276	Resp:	46779
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.6	28.0
138	24.1	25.4	38.0#

