

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097835.D
 Acq On : 18 Aug 2017 14:56
 Operator : SJ/JU
 Sample : I4820-10
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-I9-BASE

Manual Integrations
 APPROVED

Sohil
 8/18/2017 7:03:06 PM

Quant Time: Aug 18 17:08:53 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	138941	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	493381	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	182754	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	314920	20.00	ng	0.00
75) Chrysene-d12	13.93	240	283678	20.00	ng	0.00
86) Perylene-d12	15.36	264	190916	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1083600	118.63	ng	0.00
7) Phenol-d6	6.41	99	1429812	115.20	ng	0.00
23) Nitrobenzene-d5	7.34	82	849368	93.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	177699	112.06	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1026736	82.54	ng	0.00
78) Terphenyl-d14	12.89	244	789900	58.07	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.08	128	52184	2.037	ng	98
49) Dimethylphthalate	9.53	163	167486	12.538	ng	99
70) Phenanthrene	11.32	178	248677	14.819	ng	99
71) Anthracene	11.37	178	57527	3.380	ng	100
74) Fluoranthene	12.51	202	428474	24.462	ng	98
77) Pyrene	12.73	202	410602	17.697	ng	98
80) Benzo(a)anthracene	13.92	228	217983	12.821	ng	95
82) Chrysene	13.96	228	186452m	11.024	ng	
85) Indeno(1,2,3-cd)pyrene	16.76	276	88230	7.091	ng	# 90
87) Benzo(b)fluoranthene	14.95	252	215596m	17.916	ng	
88) Benzo(k)fluoranthene	14.97	252	74894m	6.624	ng	
89) Benzo(a)pyrene	15.30	252	154813	14.532	ng	97
90) Dibenzo(a,h)anthracene	16.77	278	24348m	2.807	ng	
91) Benzo(g,h,i)perylene	17.18	276	86863	9.598	ng	94

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

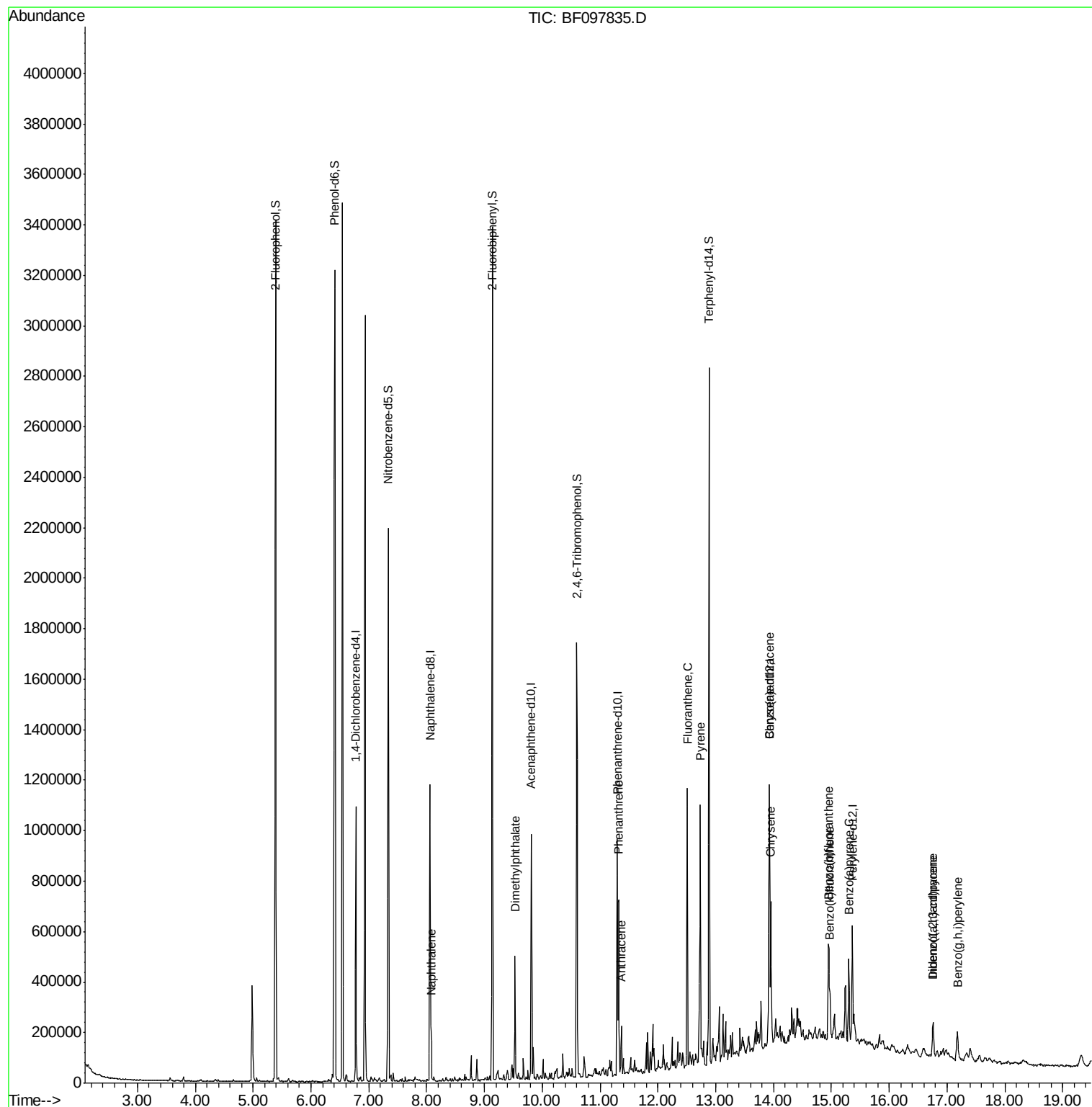
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
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ALS Vial : 49 Sample Multiplier: 1

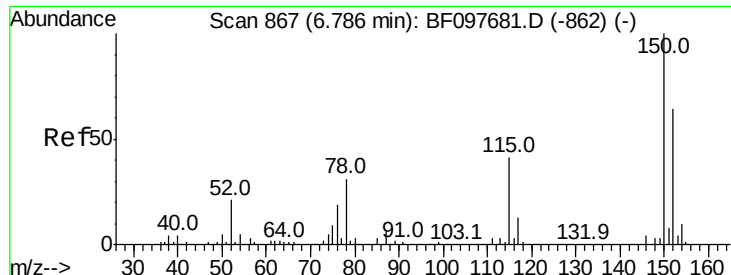
Instrument :
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#1

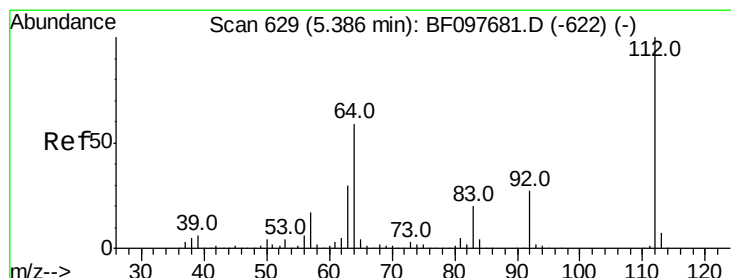
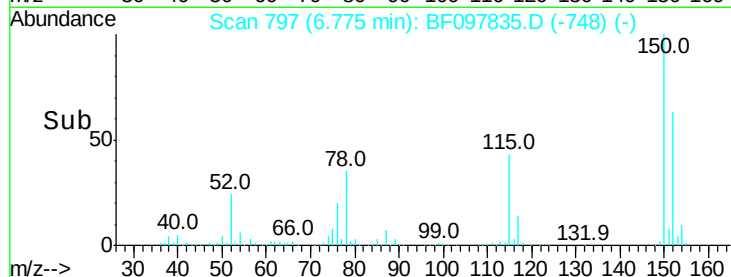
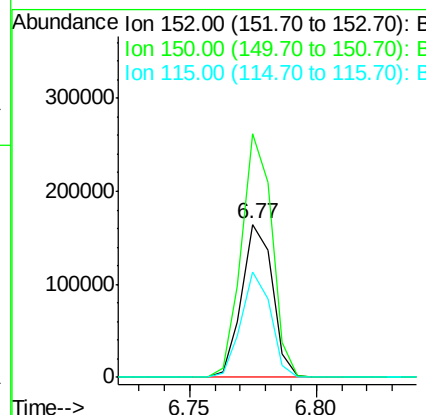
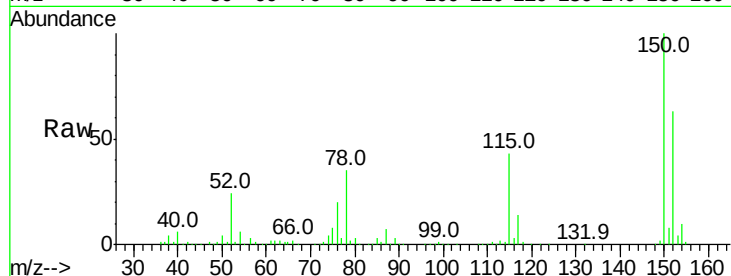
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097835.D
Acq: 18 Aug 2017 14:56

Instrument :
BNA_F
ClientSampleId :
E2-I9-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	69.1	52.2	78.2

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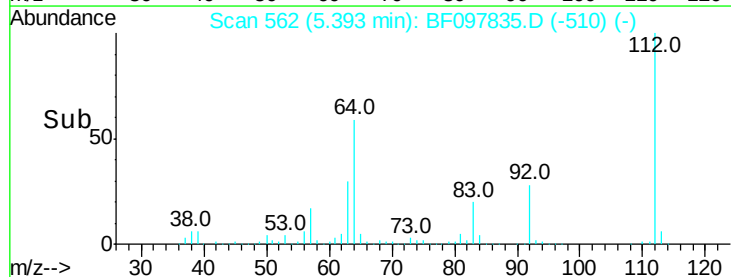
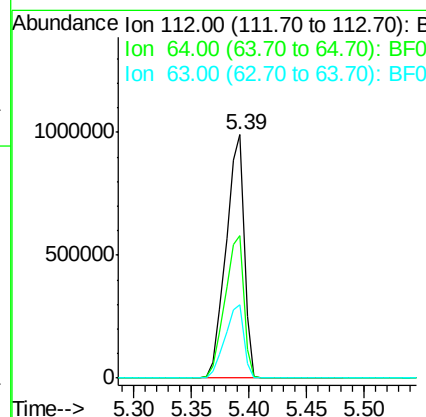
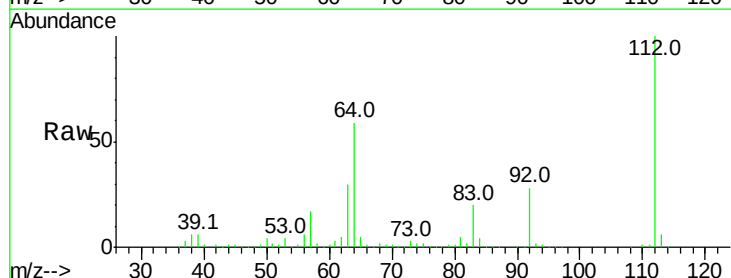
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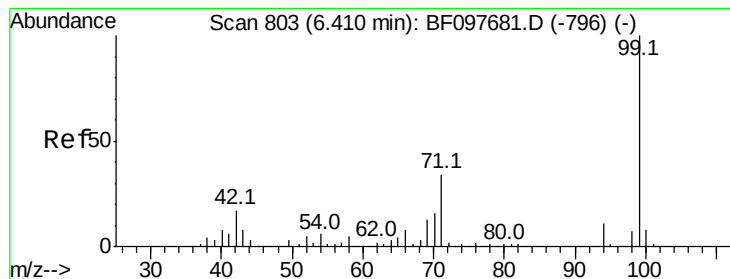


#5

2-Fluorophenol
Concen: 118.628 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF097835.D
Acq: 18 Aug 2017 14:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.0	69.0
63	30.0	23.4	35.0





#7

Phenol-d6

Concen: 115.205 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

Instrument :

BNA_F

ClientSampleId :

E2-I9-BASE

Tot Ion: 99 Resp: 1429812

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

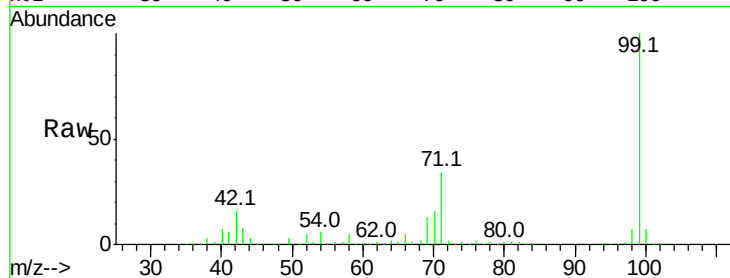
71 34.4 24.5 36.7

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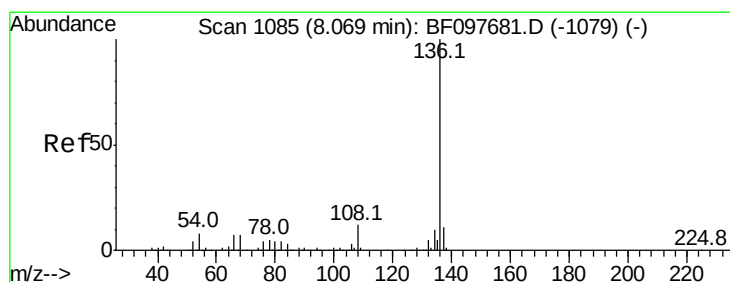
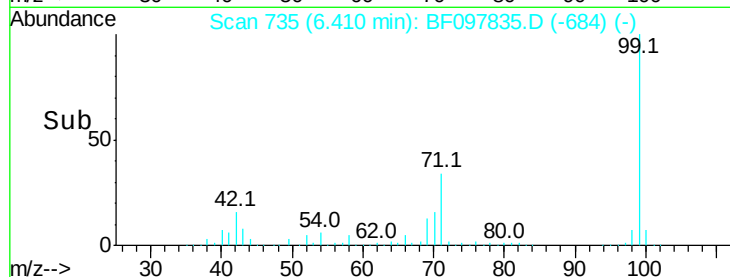
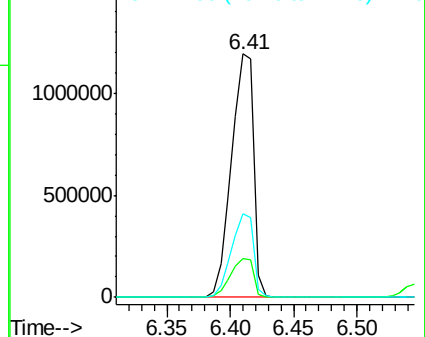
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

Tgt Ion: 136 Resp: 493381

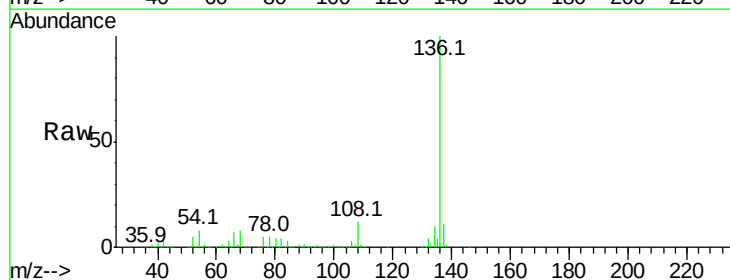
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 8.3 4.9 7.3#

68 7.6 4.1 6.1#

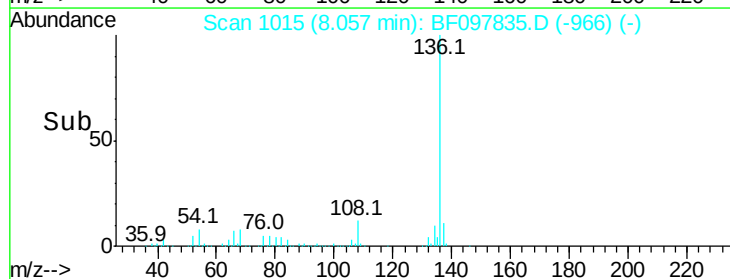
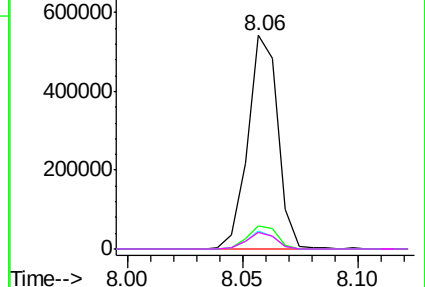


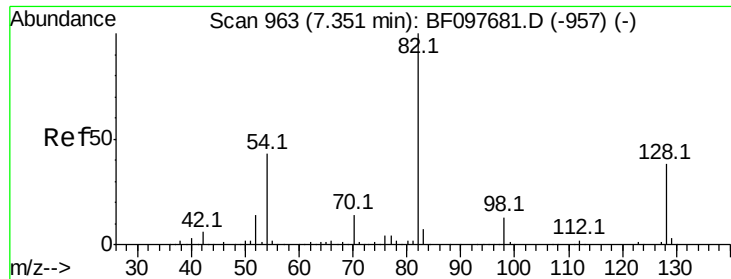
Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.521 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

Instrument :

BNA_F

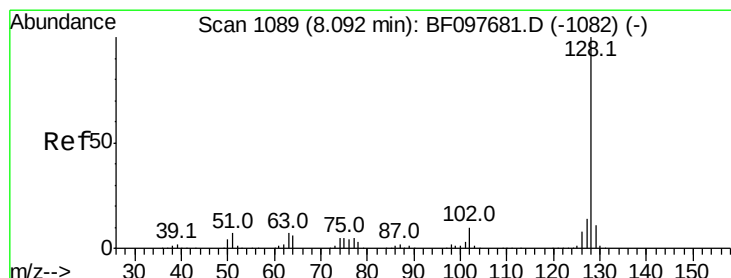
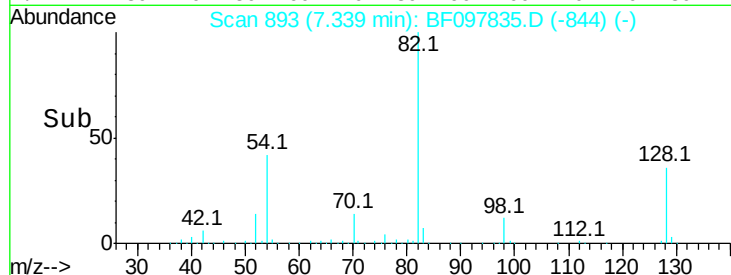
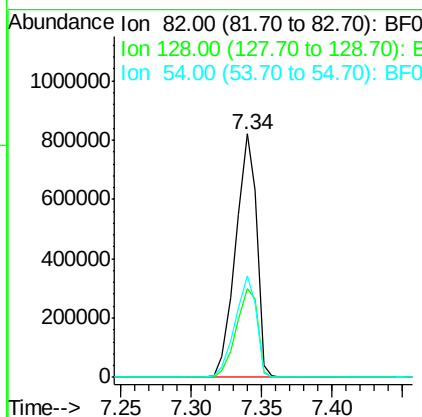
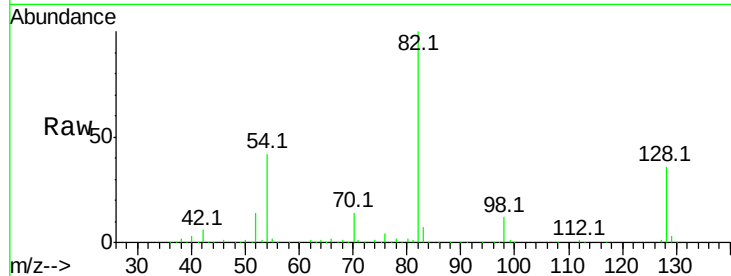
ClientSampled :

E2-I9-BASE

Tot Ion:	82	Resp:	849368
Ion Ratio	Lower	Upper	
82	100		
128	36.3	34.0	51.0
54	41.9	42.2	63.2#

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#31

Naphthalene

Concen: 2.037 ng

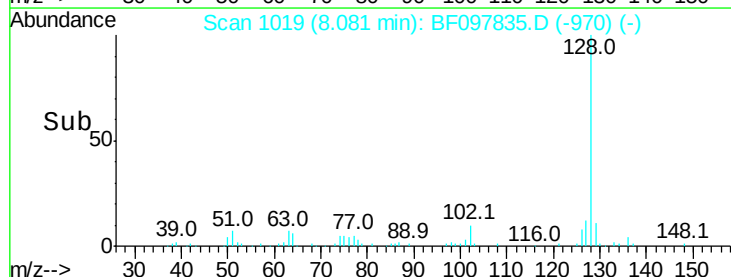
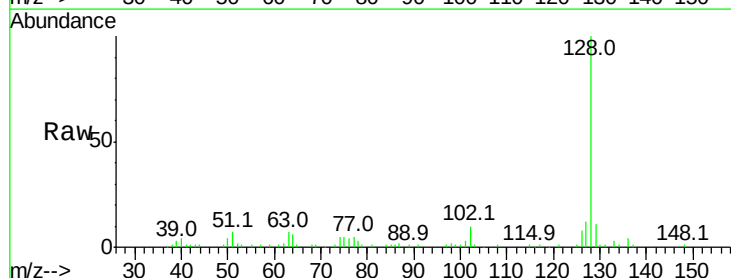
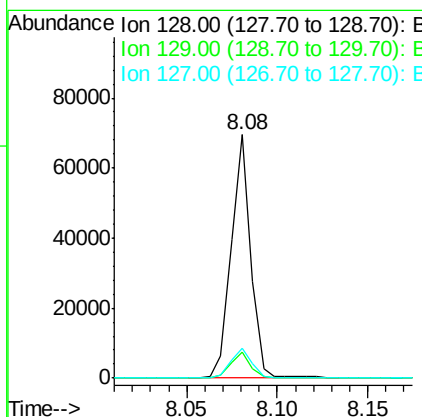
RT: 8.08 min Scan# 1019

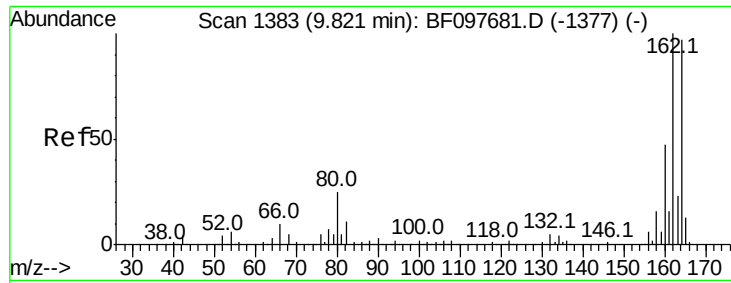
Delta R.T. -0.01 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

Tgt Ion:	128	Resp:	52184
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.0	13.6
127	12.3	10.8	16.2





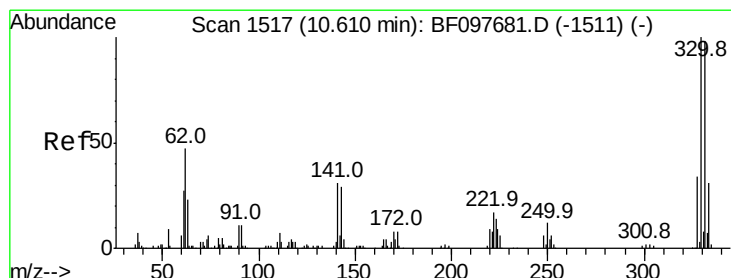
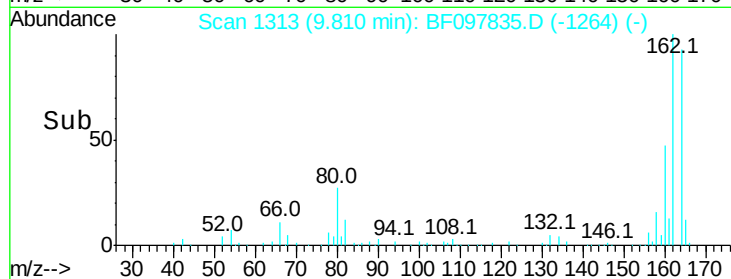
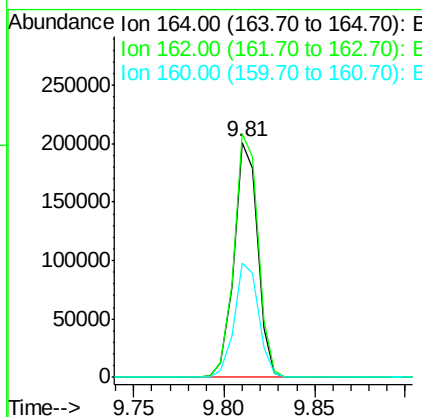
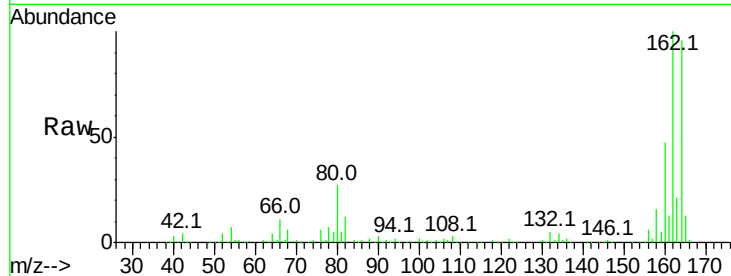
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097835.D
 Acq: 18 Aug 2017 14:56

Instrument :
 BNA_F
 ClientSampled :
 E2-I9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	182754		
162	103.7	82.6	123.8	
160	48.8	36.2	54.2	

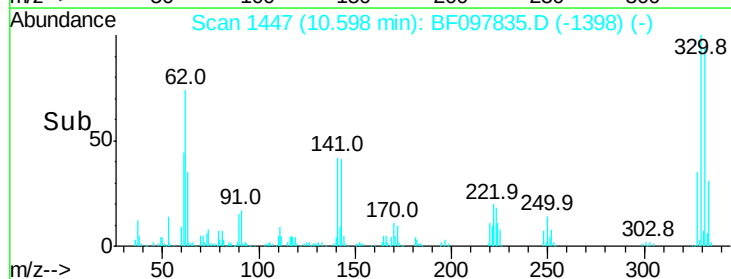
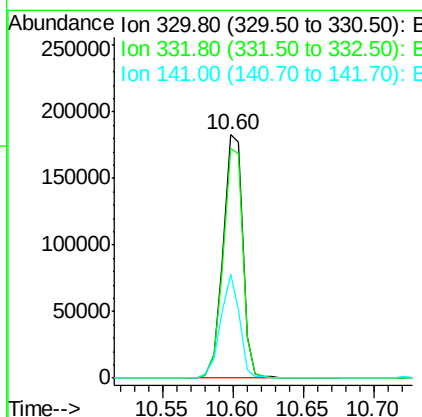
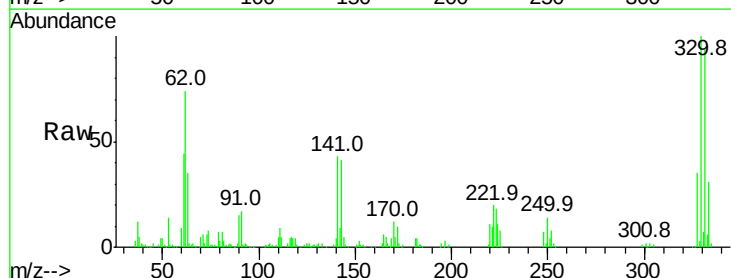
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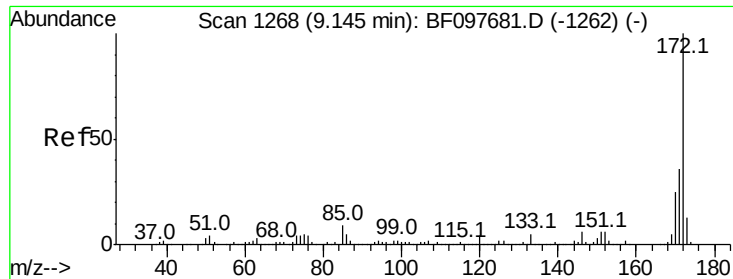
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#41
 2,4,6-Tribromophenol
 Concen: 112.064 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097835.D
 Acq: 18 Aug 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	177699		
332	94.7	76.6	115.0	
141	41.6	31.4	47.2	





#44

2-Fluorobiphenyl

Concen: 82.542 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

Instrument :

BNA_F

ClientSampled :

E2-I9-BASE

Tot Ion:172 Resp: 1026736

Ion Ratio Lower Upper

172 100

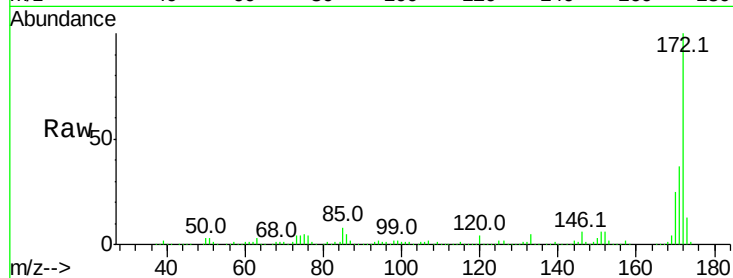
171 36.7 29.6 44.4

170 25.0 19.8 29.8

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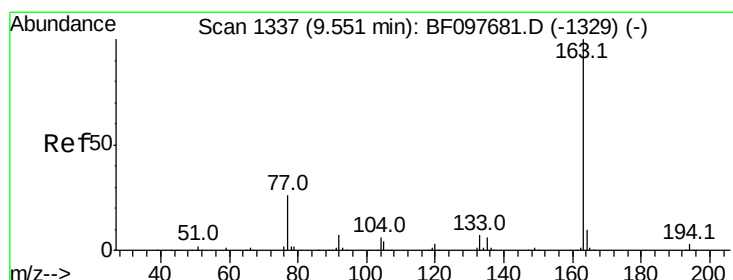
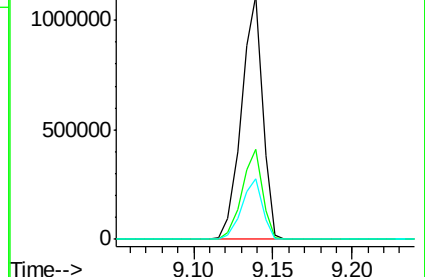
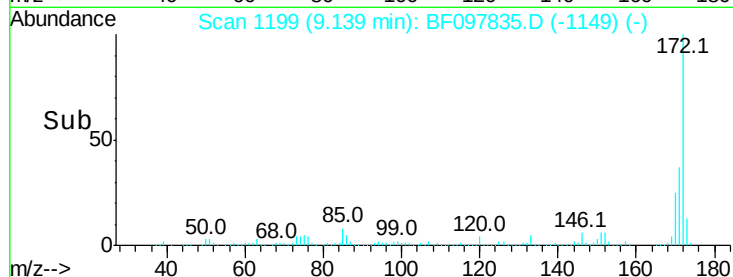
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 12.538 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

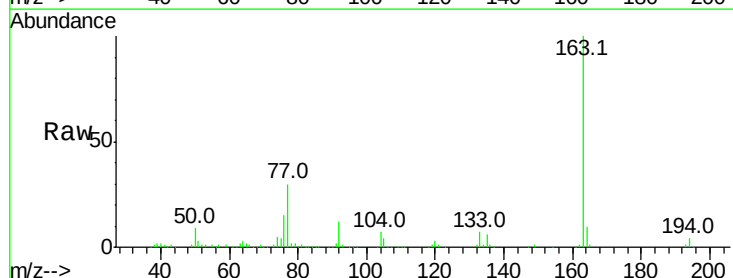
Tgt Ion:163 Resp: 167486

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

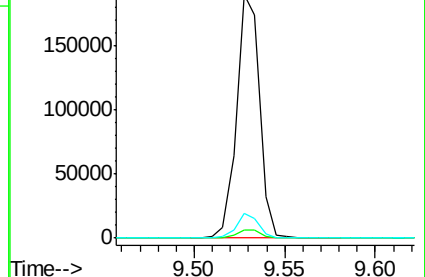
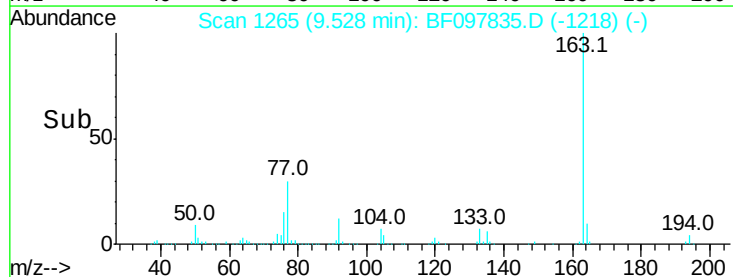
164 10.2 8.4 12.6

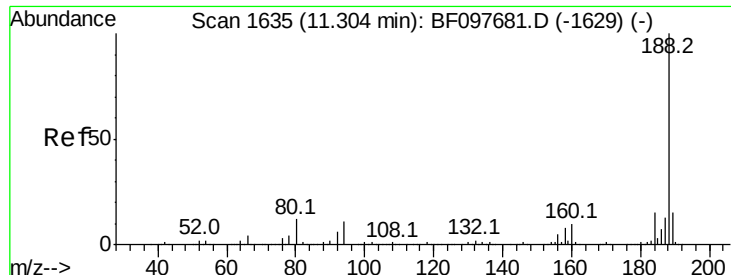


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





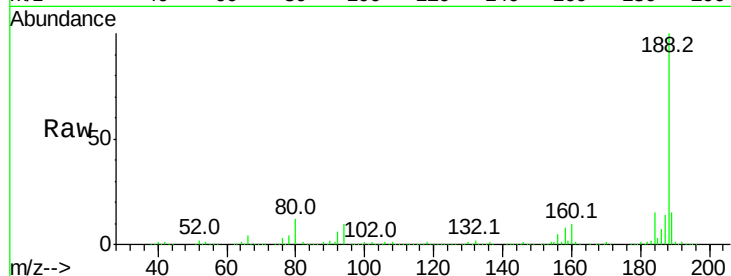
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097835.D
Acq: 18 Aug 2017 14:56

Instrument :
BNA_F
ClientSampleId :
E2-I9-BASE

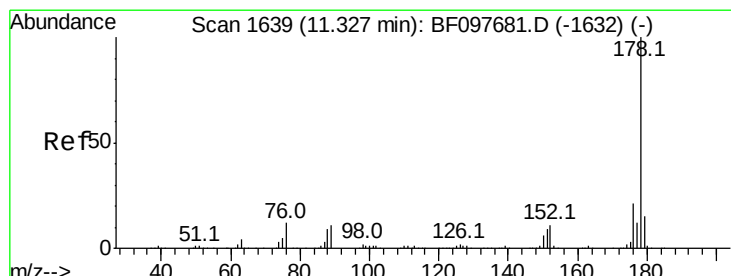
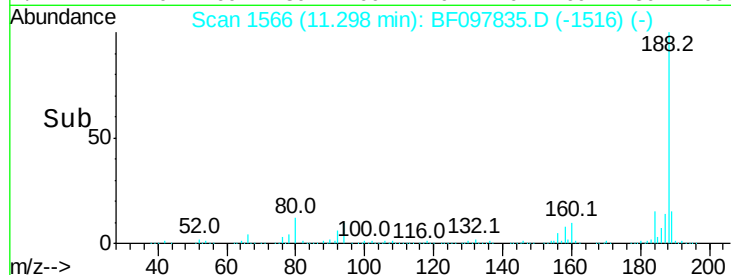
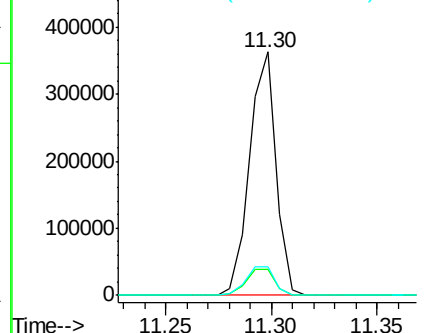
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.5	9.4	14.2	
80	11.6	10.2	15.2	

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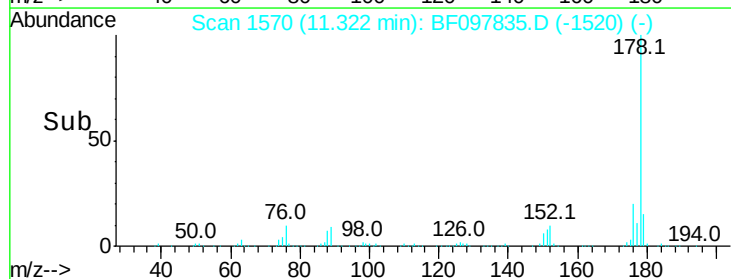
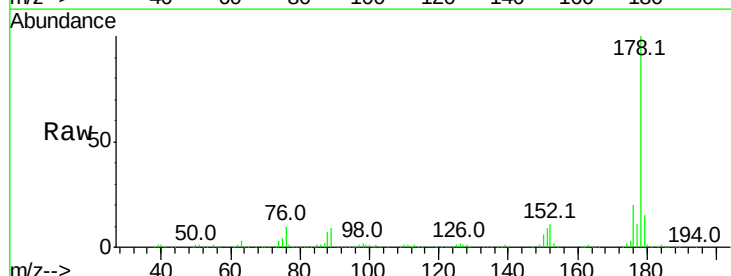
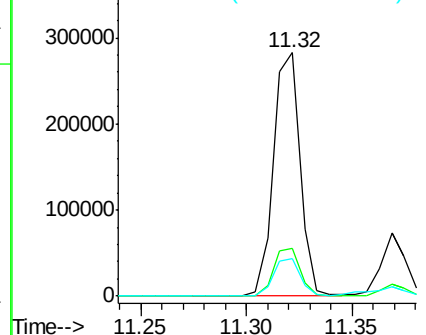
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

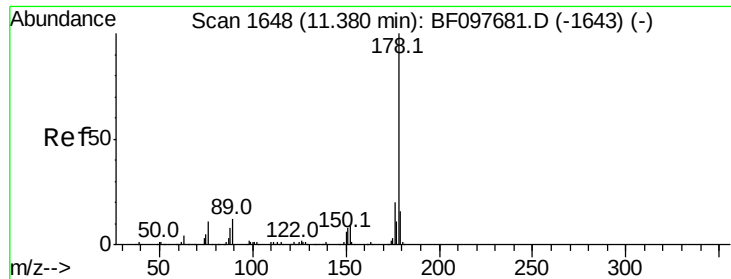


#70
Phenanthrene
Concen: 14.819 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097835.D
Acq: 18 Aug 2017 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.8	16.2	24.4	
179	15.3	12.6	19.0	

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





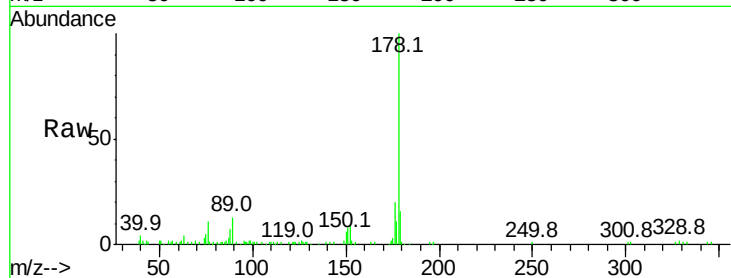
#71
 Anthracene
 Concen: 3.380 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF097835.D
 Acq: 18 Aug 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :
 E2-I9-BASE

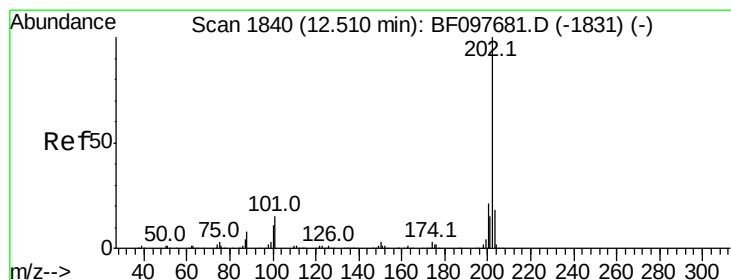
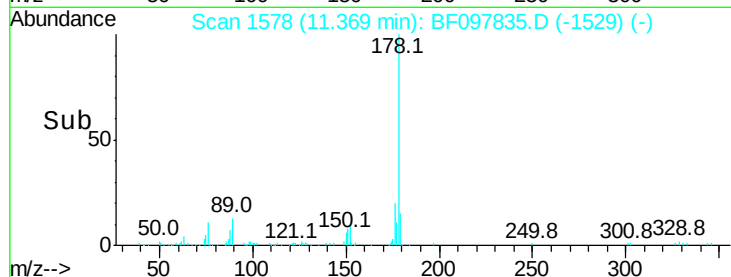
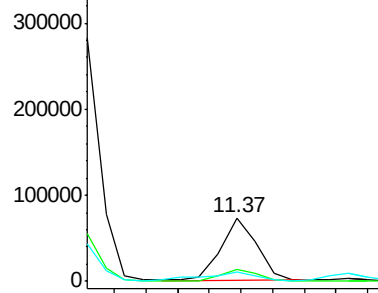
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.8	12.7	19.1

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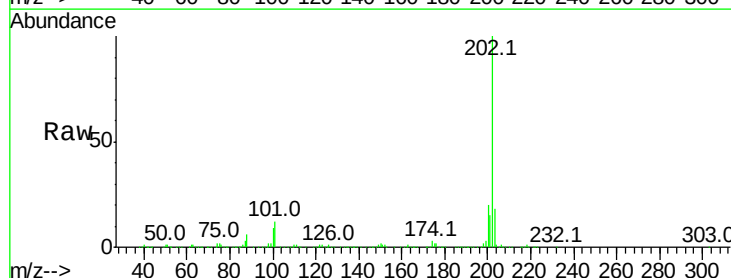


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

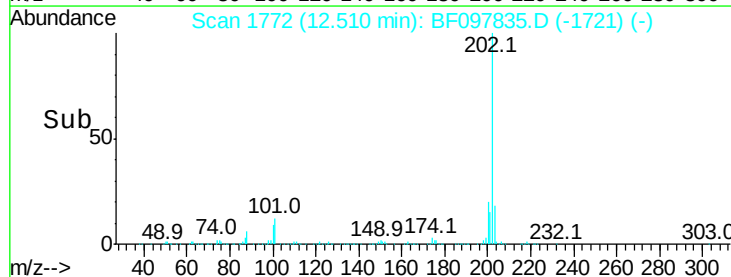
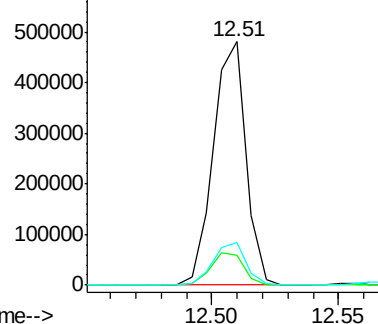


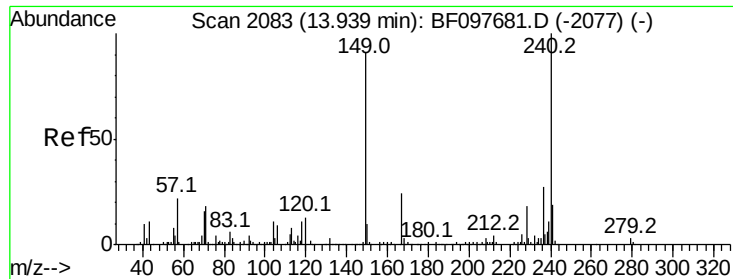
#74
 Fluoranthene
 Concen: 24.462 ng
 RT: 12.51 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BF097835.D
 Acq: 18 Aug 2017 14:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.2
203	17.8	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: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

Instrument :

BNA_F

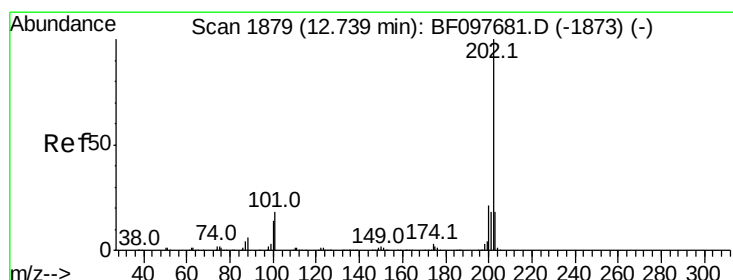
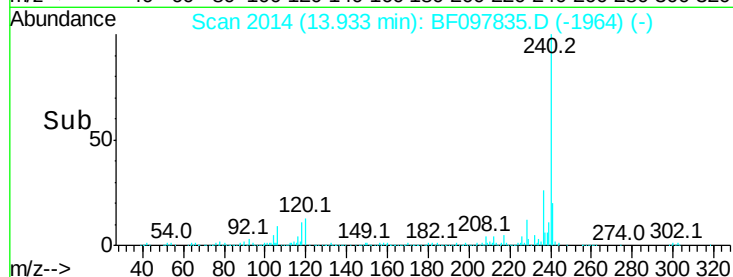
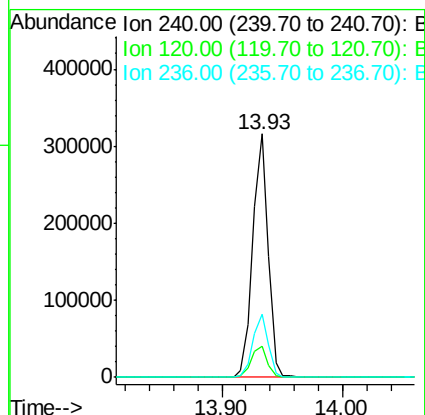
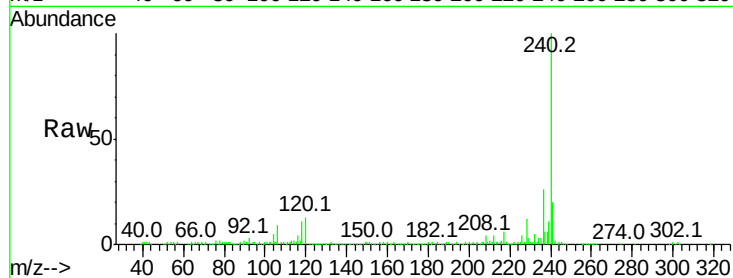
ClientSampleId :

E2-I9-BASE

Tot Ion:	240	Resp:	283678
Ion Ratio	Lower	Upper	
240	100		
120	12.7	5.8	8.8#
236	25.8	20.5	30.7

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#77

Pyrene

Concen: 17.697 ng

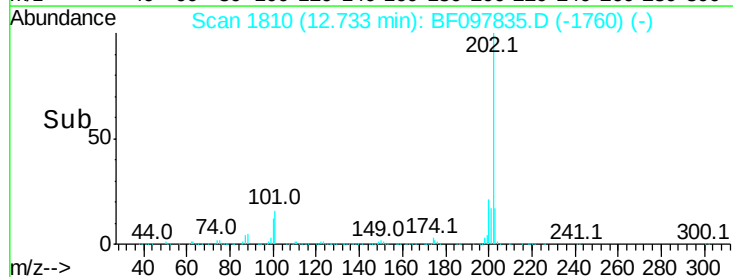
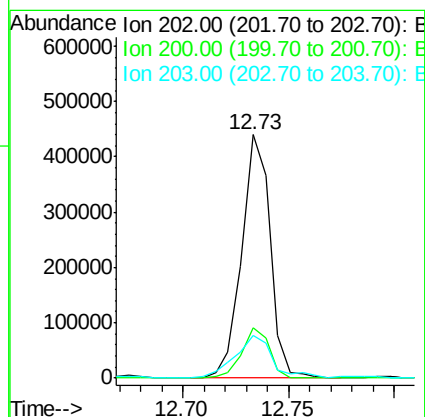
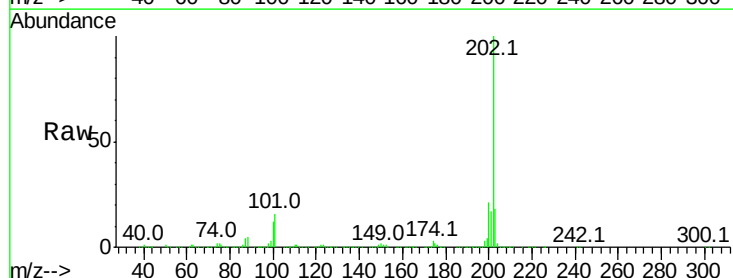
RT: 12.73 min Scan# 1810

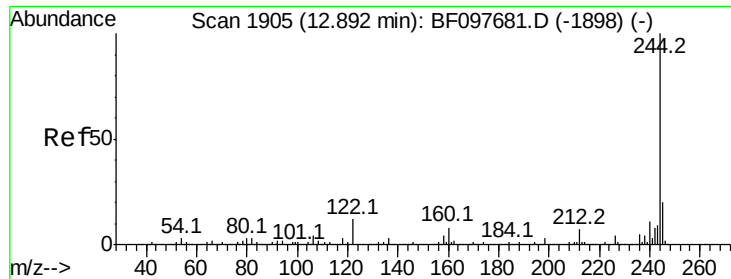
Delta R.T. -0.01 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

Tgt Ion:	202	Resp:	410602
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.6	26.4
203	17.6	14.4	21.6





#78

Terphenyl-d14

Concen: 58.066 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

Instrument :

BNA_F

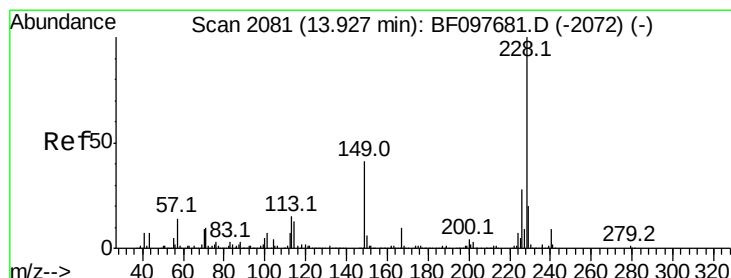
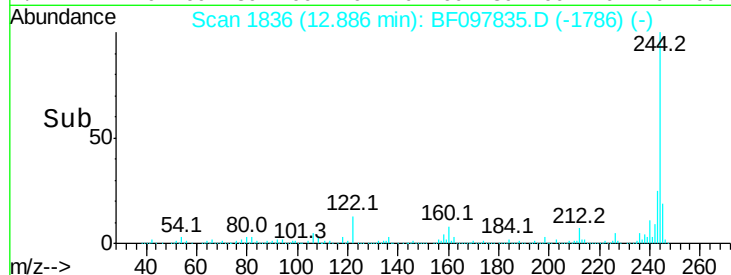
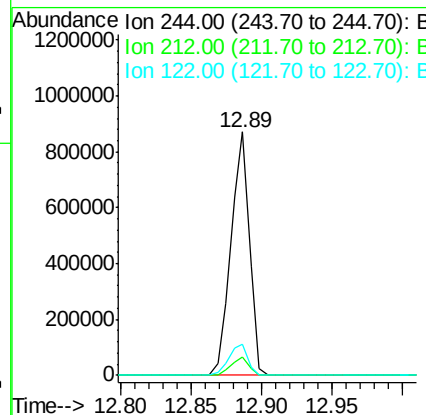
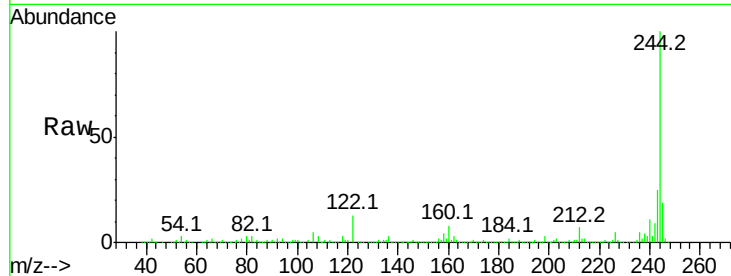
ClientSampleId :

E2-I9-BASE

Tot Ion:	244	Resp:	789900
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.0	9.0
122	12.8	10.3	15.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 12.821 ng

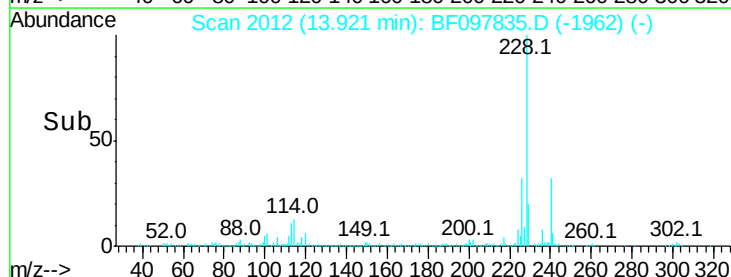
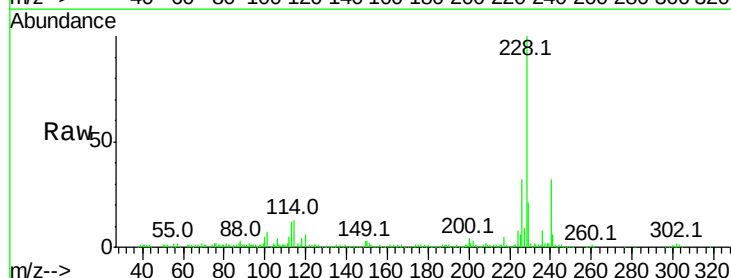
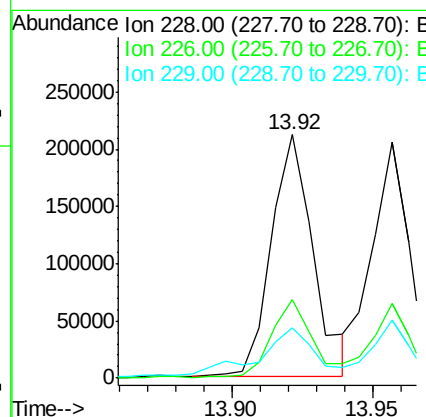
RT: 13.92 min Scan# 2012

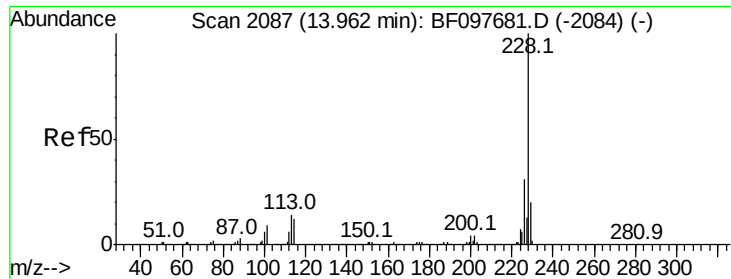
Delta R.T. -0.01 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

Tgt Ion:	228	Resp:	217983
Ion Ratio		Lower	Upper
228	100		
226	32.5	22.6	33.8
229	20.6	16.3	24.5





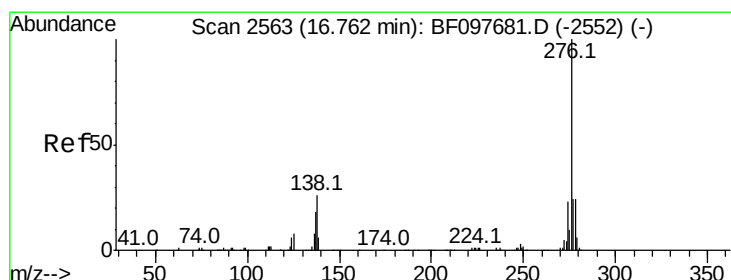
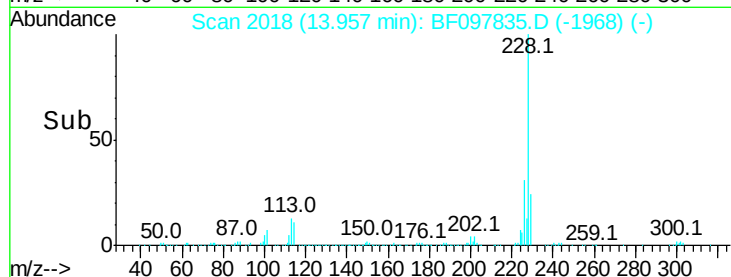
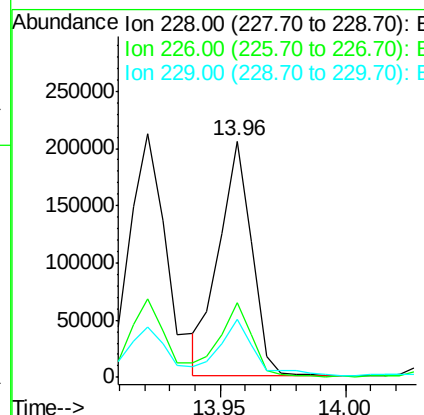
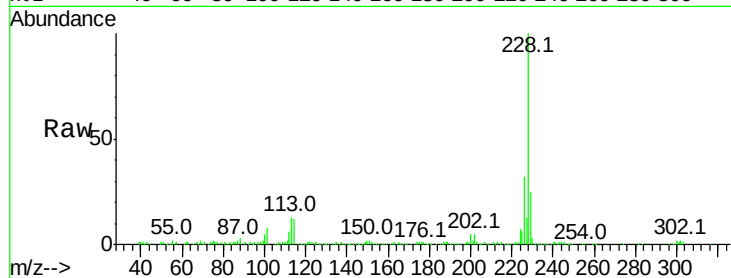
#82
Chrysene
Concen: 11.024 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097835.D
Acq: 18 Aug 2017 14:56

Instrument :
BNA_F
ClientSampled :
E2-I9-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.9	37.3
229	24.6	15.8	23.6

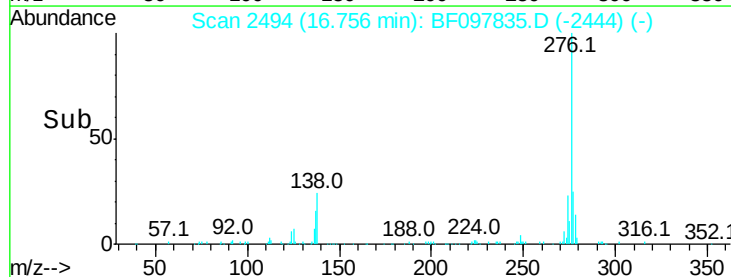
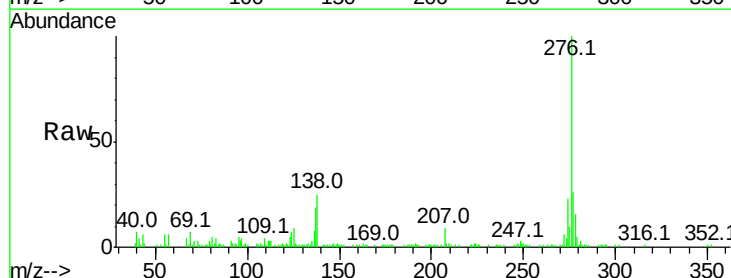
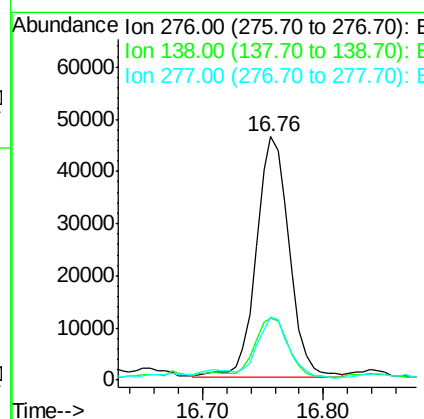
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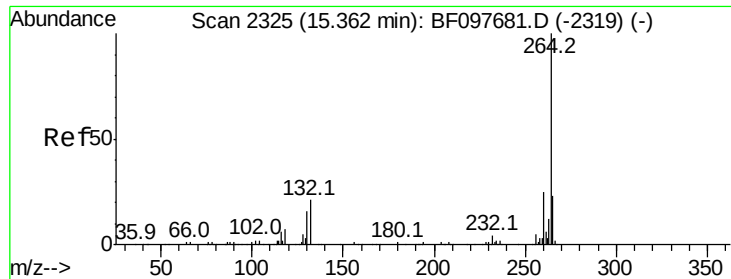
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.091 ng
RT: 16.76 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF097835.D
Acq: 18 Aug 2017 14:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	27.8	41.6
277	24.4	20.2	30.4





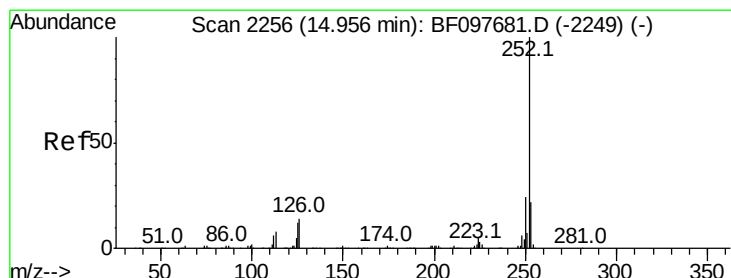
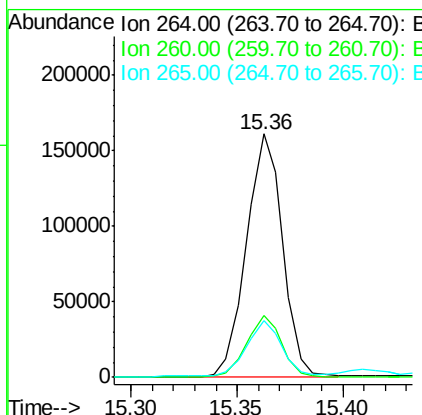
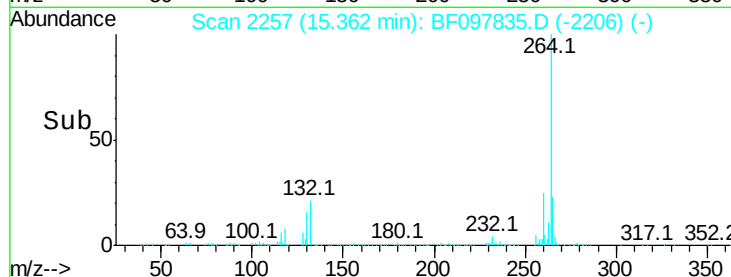
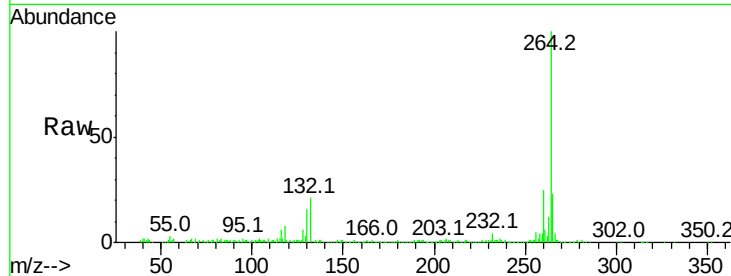
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097835.D
Acq: 18 Aug 2017 14:56

Instrument :
BNA_F
ClientSampleId :
E2-I9-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	23.1	17.2	25.8

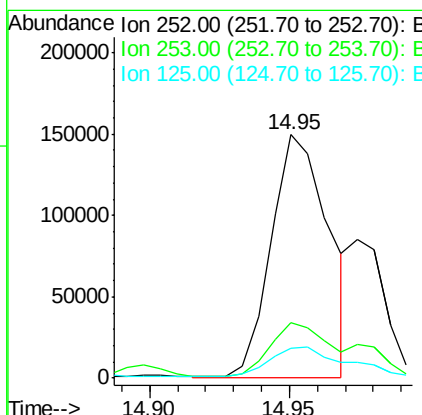
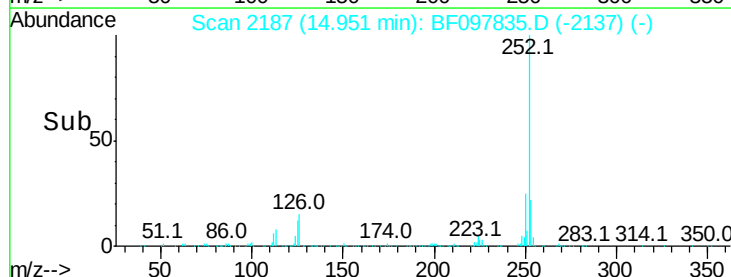
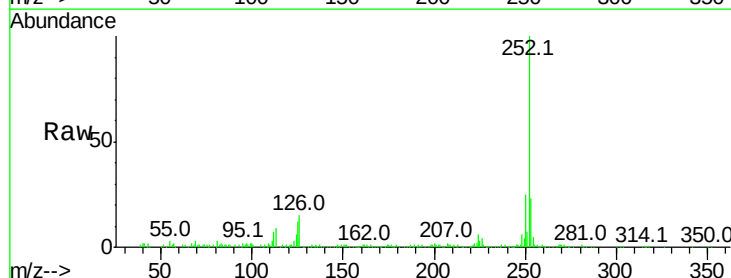
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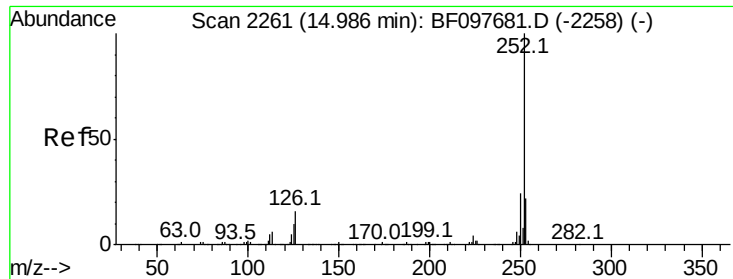
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#87
Benzo(b)fluoranthene
Concen: 17.916 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097835.D
Acq: 18 Aug 2017 14:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.5	9.8	14.8





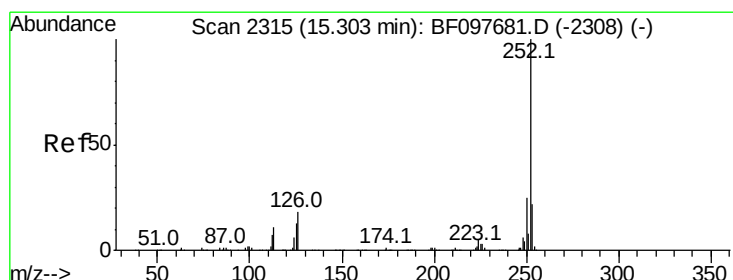
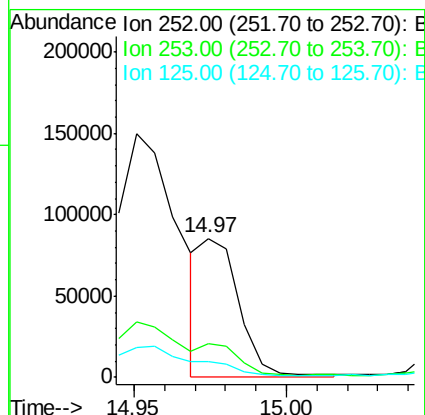
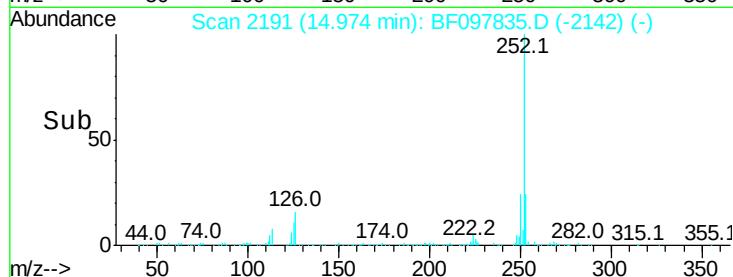
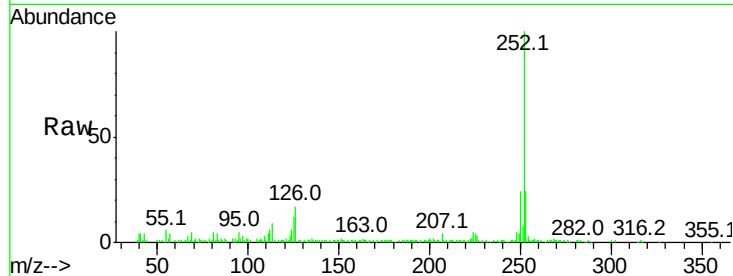
#88
Benzo(k)fluoranthene
Concen: 6.624 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF097835.D
Acq: 18 Aug 2017 14:56

Instrument :
BNA_F
ClientSampleId :
E2-I9-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	11.8	13.1	19.7

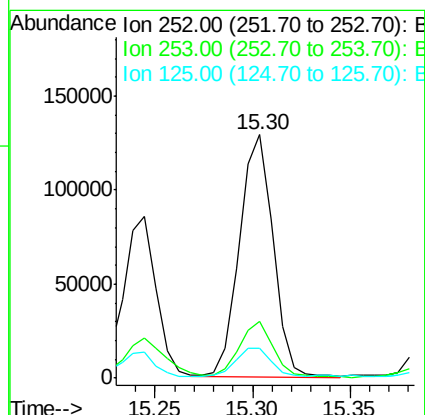
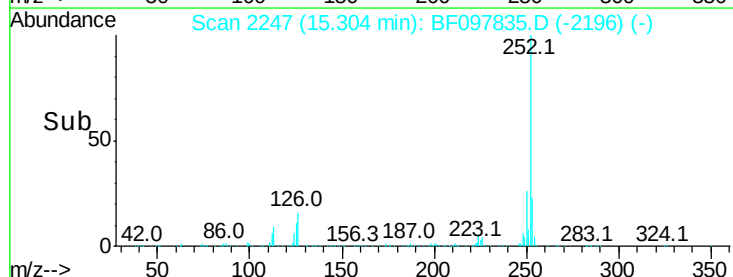
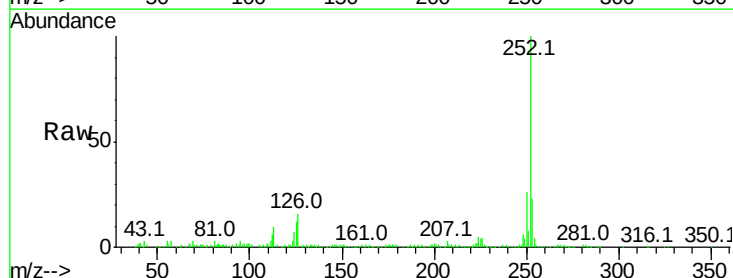
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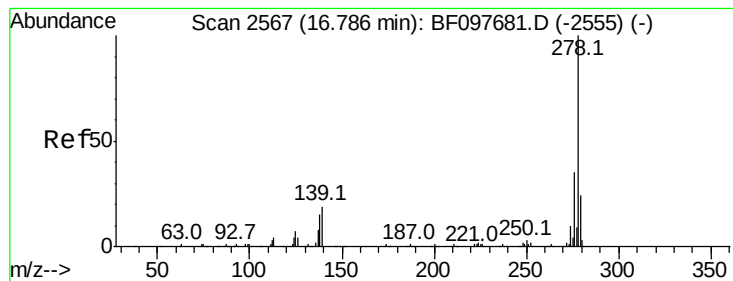
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#89
Benzo(a)pyrene
Concen: 14.532 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097835.D
Acq: 18 Aug 2017 14:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	12.2	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.807 ng

RT: 16.77 min Scan# 2496

Delta R.T. -0.02 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

Instrument :

BNA_F

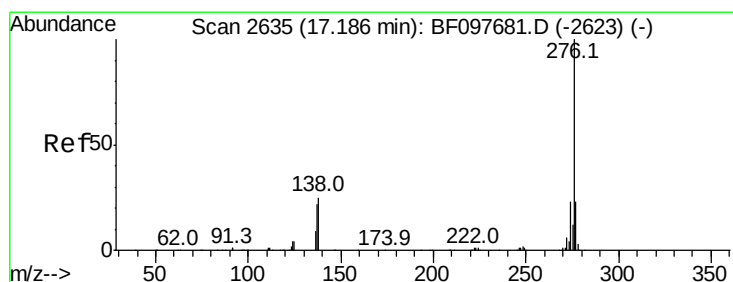
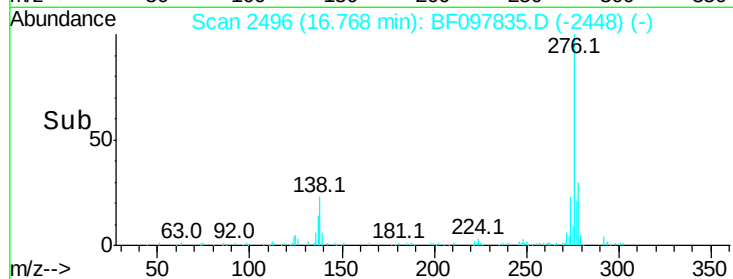
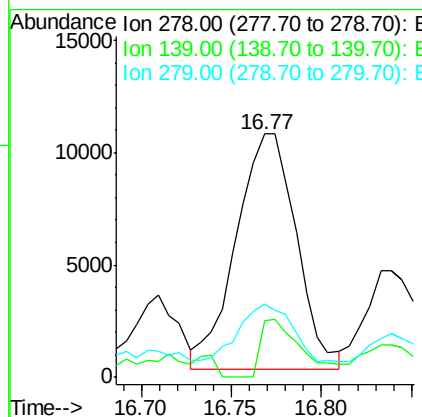
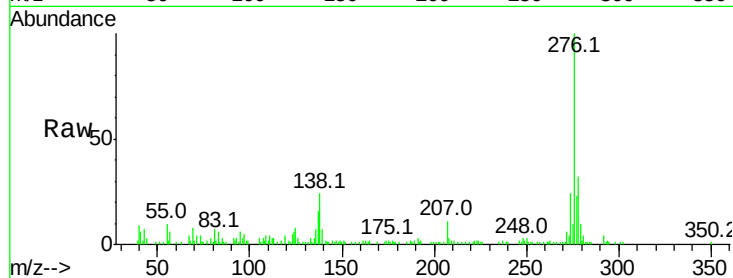
ClientSampled :

E2-I9-BASE

Tot Ion:278	Resp:	24348
Ion Ratio	Lower	Upper
278	100	
139	23.2	16.6 24.8
279	30.2	19.3 28.9#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 9.598 ng

RT: 17.18 min Scan# 2566

Delta R.T. -0.01 min

Lab File: BF097835.D

Acq: 18 Aug 2017 14:56

Tgt Ion:276	Resp:	86863
Ion Ratio	Lower	Upper
276	100	
277	23.3	18.6 28.0
138	25.5	25.4 38.0

