

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097834.D
 Acq On : 18 Aug 2017 14:28
 Operator : SJ/JU
 Sample : I4820-04
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-I10-ESW-DUP

Manual Integrations
 APPROVED

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

Quant Time: Aug 18 15:28:31 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	123549	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	446156	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	161363	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	280558	20.00	ng	0.00
75) Chrysene-d12	13.93	240	246780	20.00	ng	0.00
86) Perylene-d12	15.37	264	165291	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1069417	131.66	ng	0.00
7) Phenol-d6	6.42	99	1421724	128.82	ng	0.00
23) Nitrobenzene-d5	7.34	82	848463	103.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	179427	128.15	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1011757	92.12	ng	0.00
78) Terphenyl-d14	12.89	244	715353	60.45	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.08	128	66152	2.856	ng	98
37) 2-Methylnaphthalene	8.77	142	29445	2.074	ng	96
48) Acenaphthylene	9.67	152	39308	2.302	ng	98
49) Dimethylphthalate	9.53	163	171693	14.556	ng	98
51) Acenaphthene	9.85	154	26498	2.461	ng	91
57) Fluorene	10.36	166	25621	2.296	ng	98
70) Phenanthrene	11.32	178	250811	16.776	ng	98
71) Anthracene	11.37	178	93965	6.197	ng	97
74) Fluoranthene	12.51	202	494701	31.703	ng	99
77) Pyrene	12.74	202	506332	25.086	ng	98
80) Benzo(a)anthracene	13.92	228	286032	19.339	ng	93
82) Chrysene	13.96	228	264710	17.991	ng	98
85) Indeno(1,2,3-cd)pyrene	16.76	276	169697m	15.679	ng	
87) Benzo(b)fluoranthene	14.96	252	385040m	36.956	ng	
88) Benzo(k)fluoranthene	14.98	252	94366m	9.640	ng	
89) Benzo(a)pyrene	15.30	252	255857	27.740	ng	97
90) Dibenzo(a,h)anthracene	16.77	278	38103	5.074	ng	96
91) Benzo(g,h,i)perylene	17.19	276	163347	20.848	ng	# 91

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

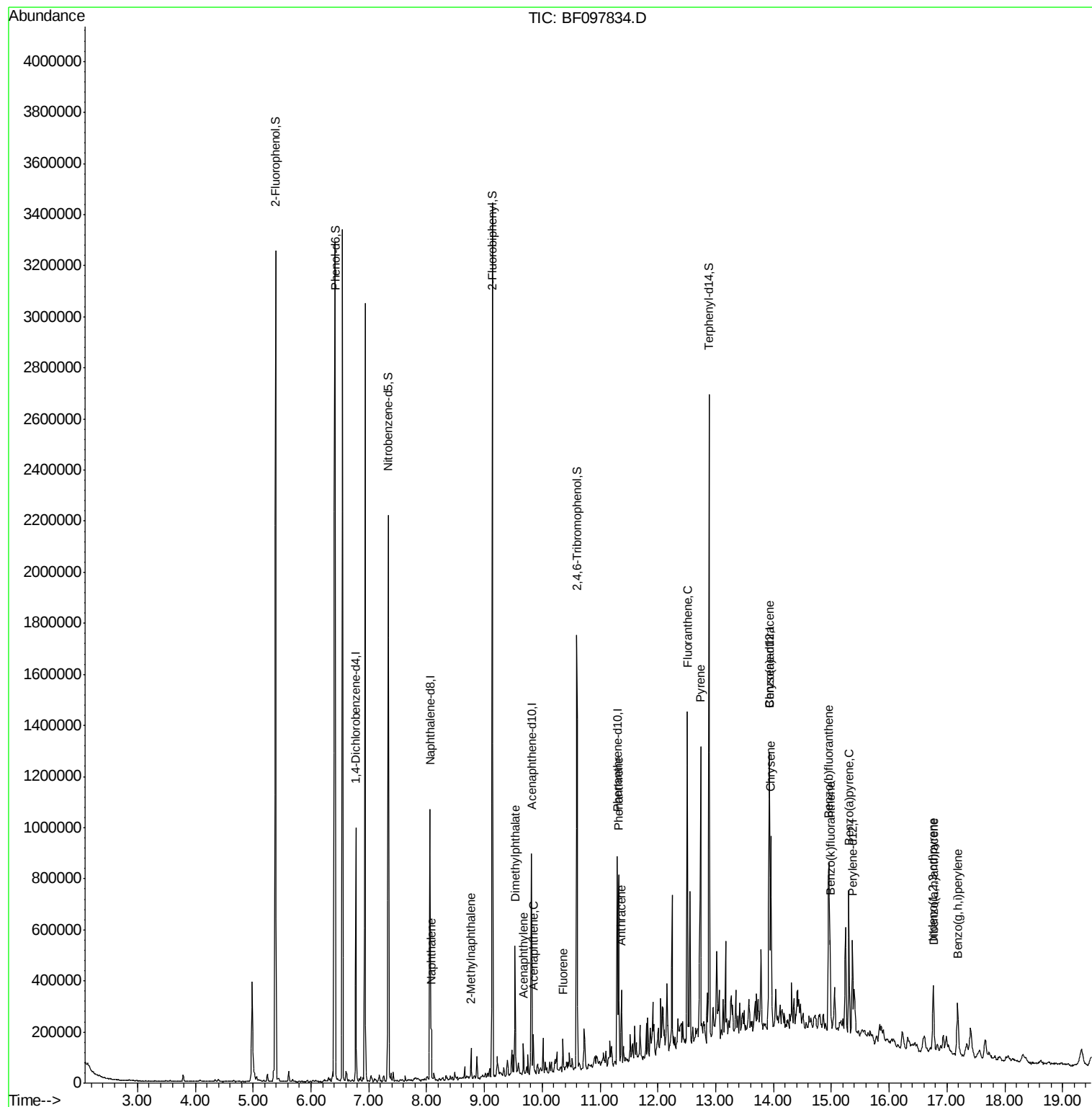
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
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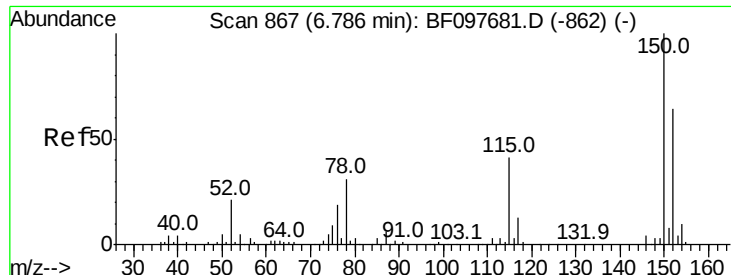
Instrument :
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E2-110-ESW-DUP

Manual Integrations
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Quant Time: Aug 18 15:28:31 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





#1

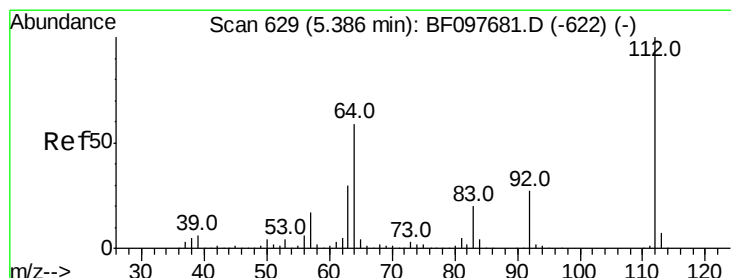
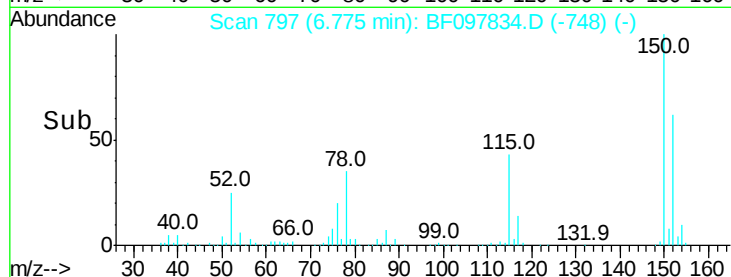
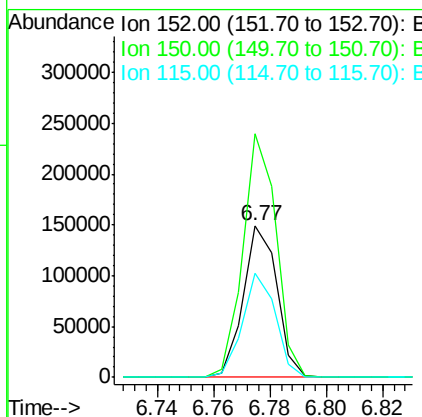
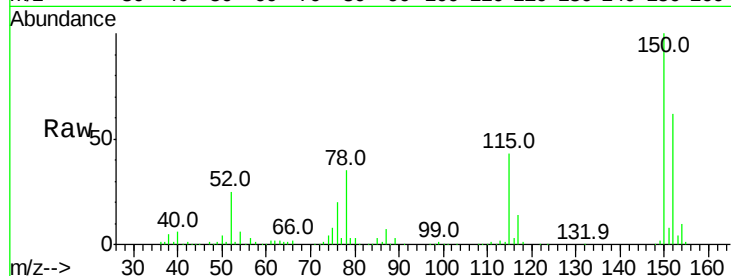
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-110-ESW-DUP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.2	189.2
115	68.9	52.2	78.2

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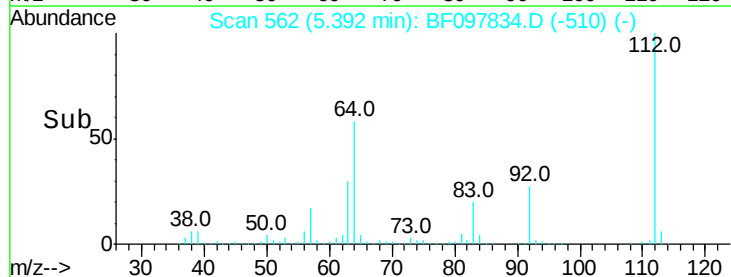
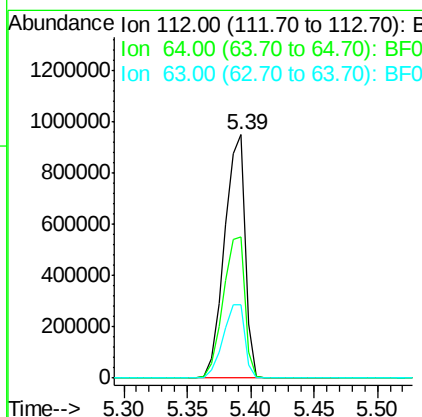
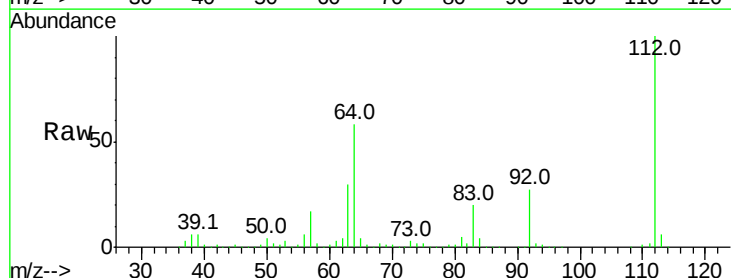
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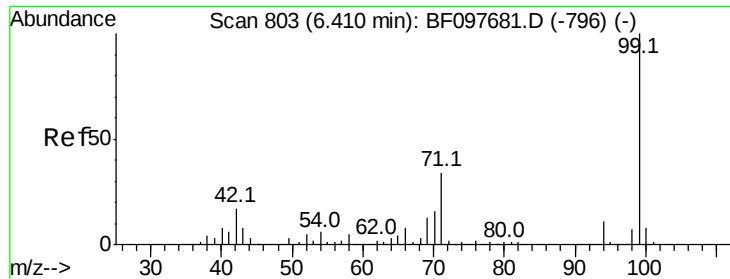


#5

2-Fluorophenol
Concen: 131.661 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.0	69.0
63	30.3	23.4	35.0





#7

Phenol-d6

Concen: 128.825 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Instrument :

BNA_F

ClientSampleId :

E2-110-ESW-DUP

Tot Ion: 99 Resp: 1421724

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

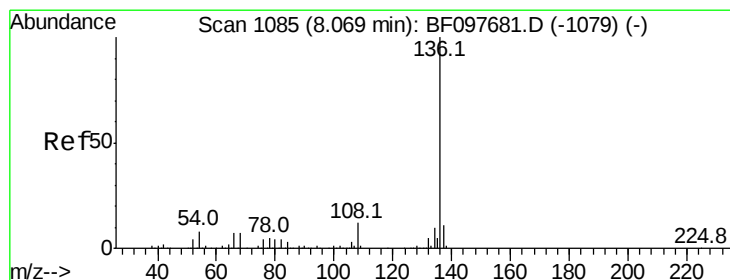
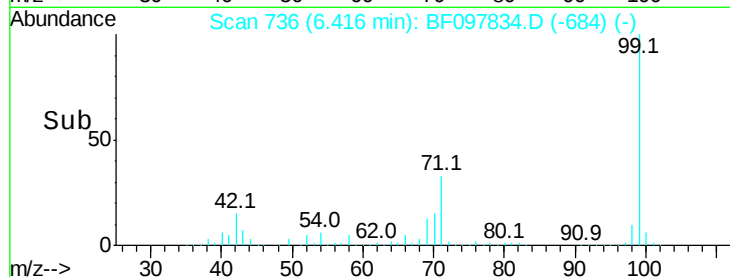
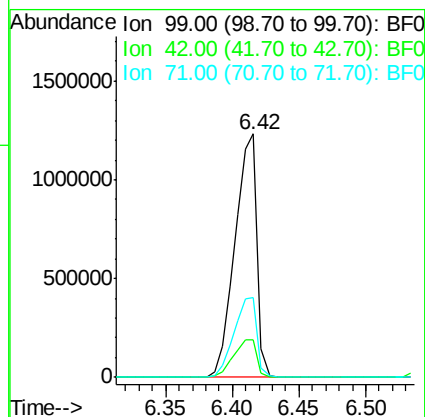
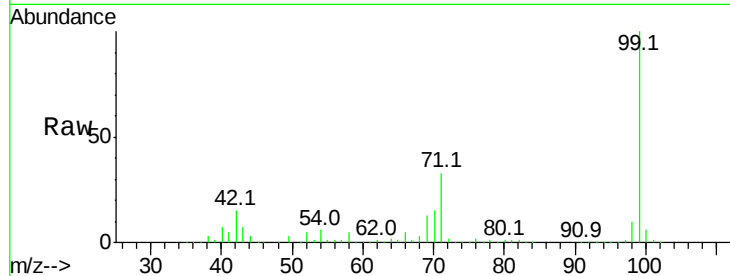
71 32.9 24.5 36.7

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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: BF097834.D

Acq: 18 Aug 2017 14:28

Tgt Ion: 136 Resp: 446156

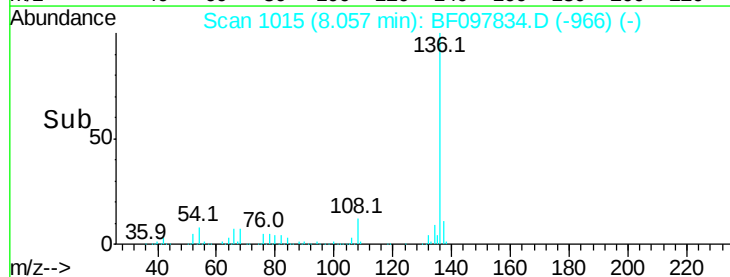
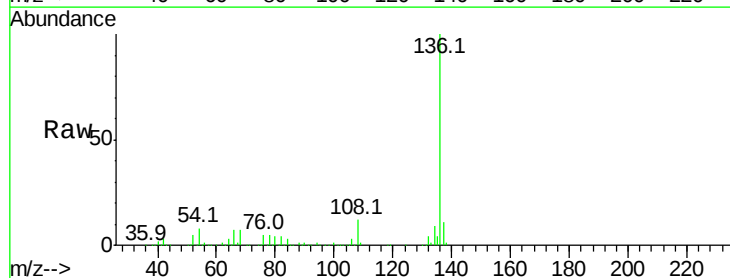
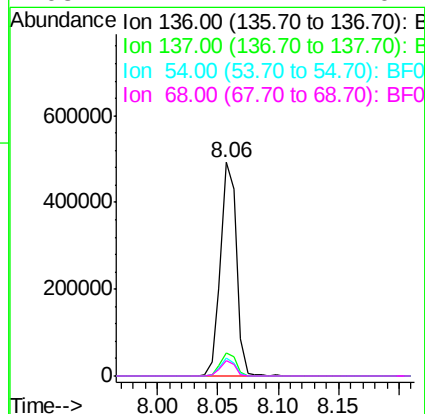
Ion Ratio Lower Upper

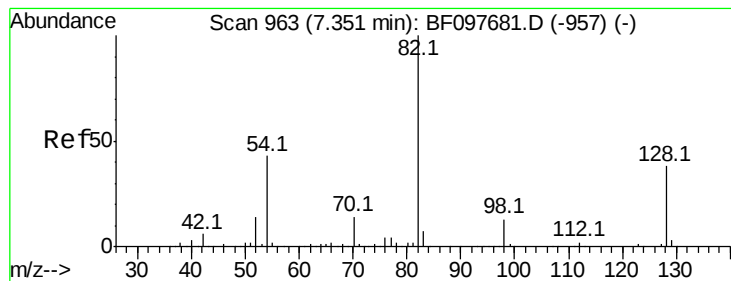
136 100

137 11.1 8.5 12.7

54 8.2 4.9 7.3#

68 7.4 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 103.310 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Instrument :

BNA_F

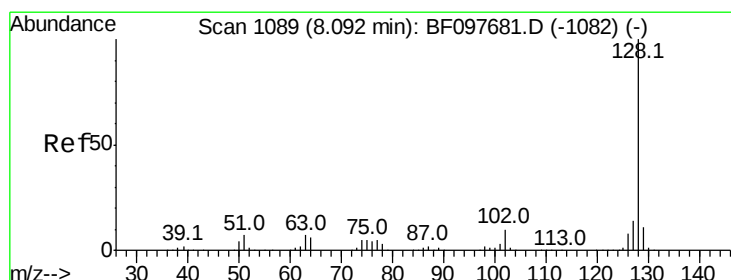
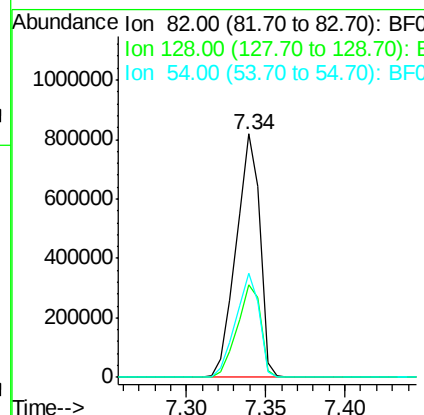
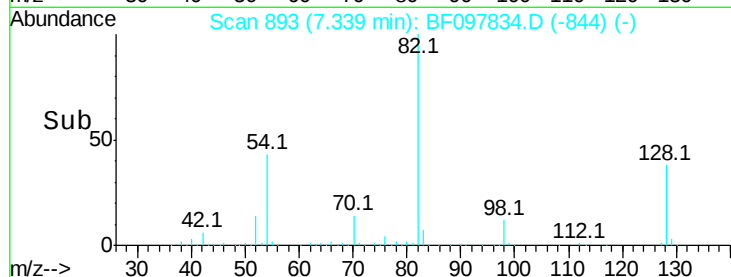
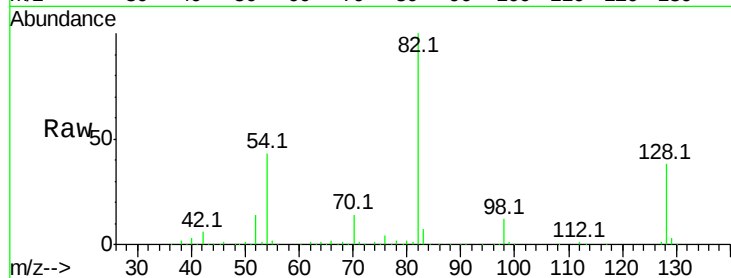
ClientSampleId :

E2-110-ESW-DUP

Tot Ion:	82	Resp:	848463
Ion Ratio	Lower	Upper	
82	100		
128	38.0	34.0	51.0
54	42.9	42.2	63.2

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#31

Naphthalene

Concen: 2.856 ng

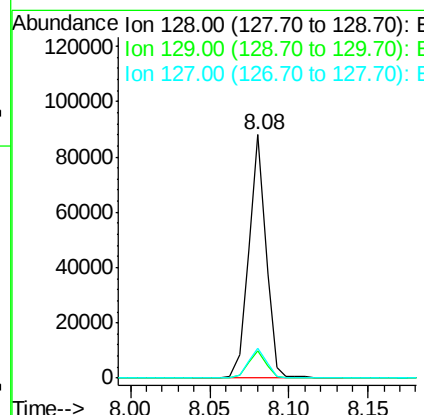
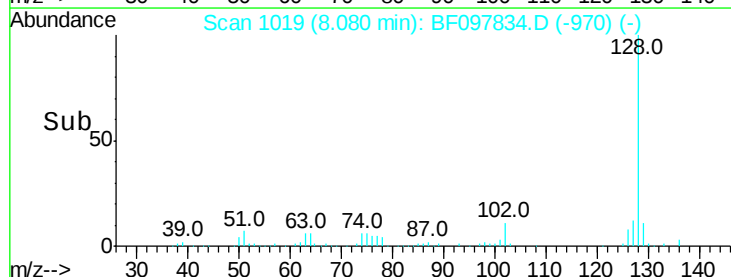
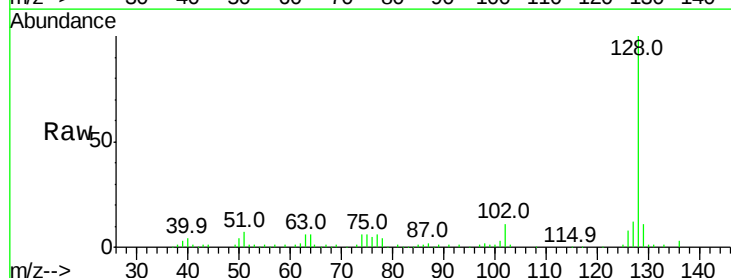
RT: 8.08 min Scan# 1019

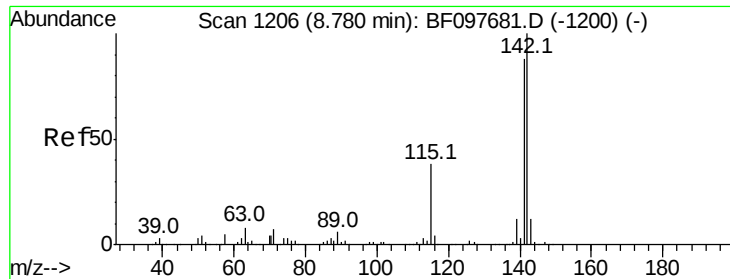
Delta R.T. -0.01 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Tgt Ion:	128	Resp:	66152
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.0	13.6
127	12.0	10.8	16.2





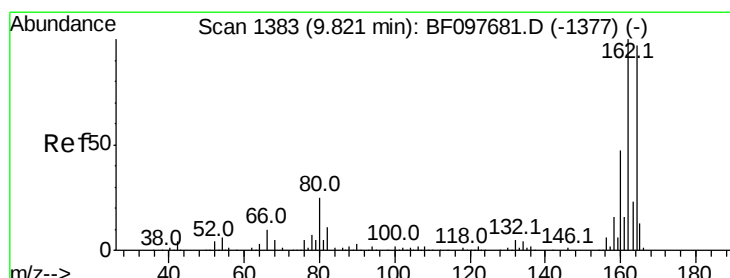
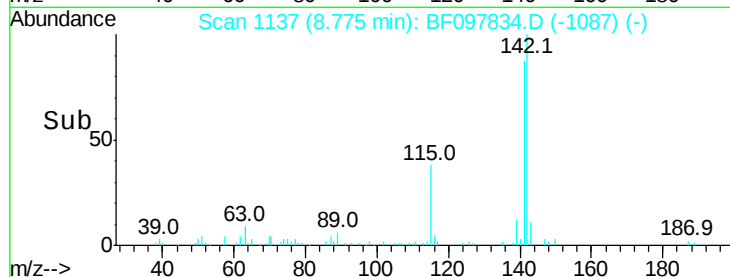
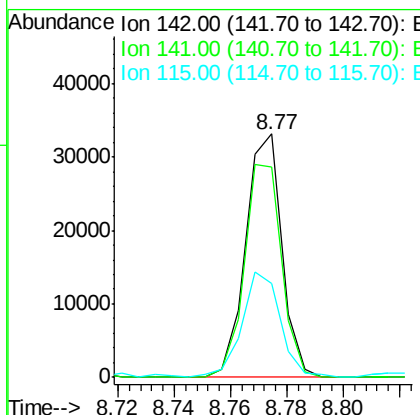
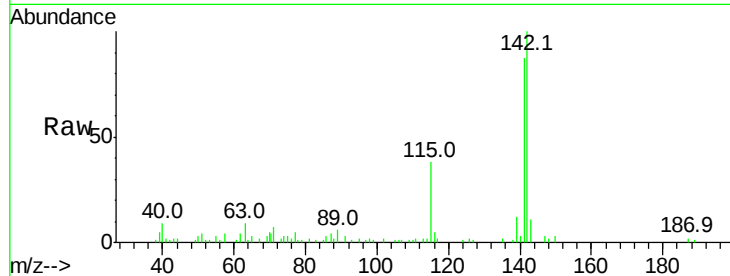
#37
2-Methylnaphthalene
Concen: 2.074 ng
RT: 8.77 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-110-ESW-DUP

Tot Ion	Ratio	Resp	Lower	Upper
142	100	29445		
141	86.5	71.3	106.9	
115	38.4	27.1	40.7	

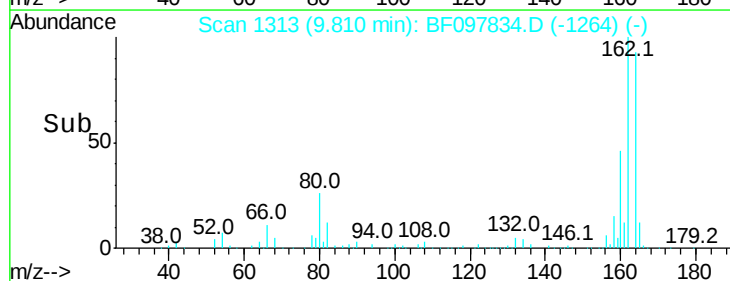
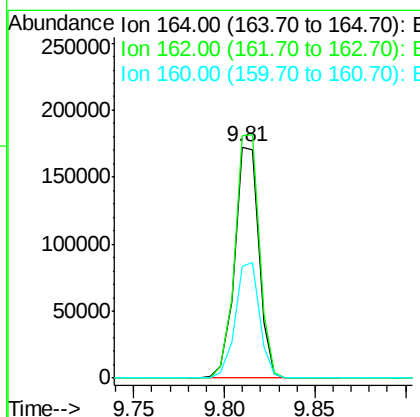
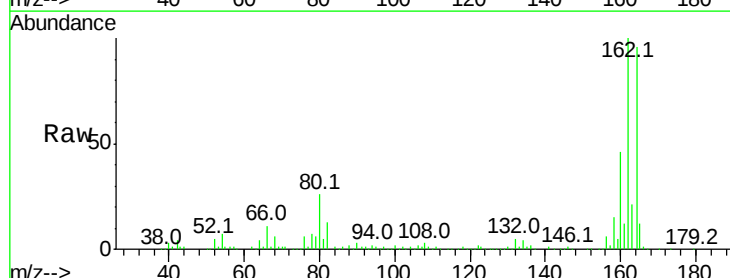
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	161363		
162	104.6	82.6	123.8	
160	48.4	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 128.154 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Instrument :

BNA_F

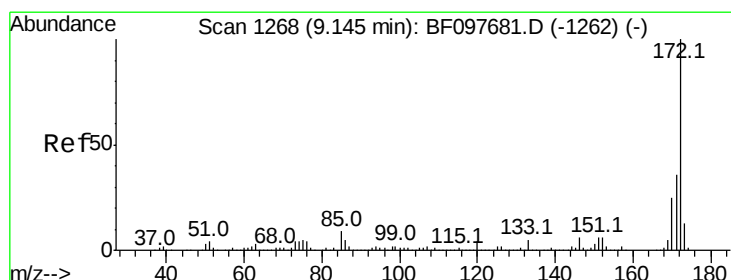
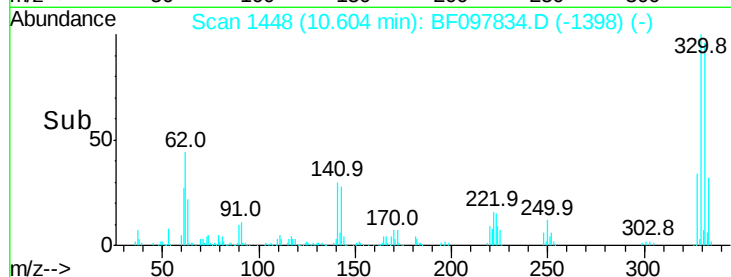
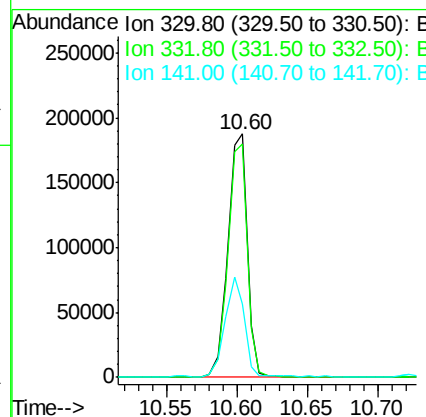
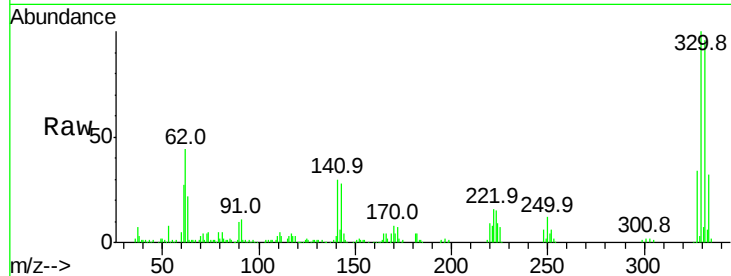
ClientSampleId :

E2-110-ESW-DUP

Tot Ion:	330	Resp:	179427
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.6	115.0
141	40.3	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 92.120 ng

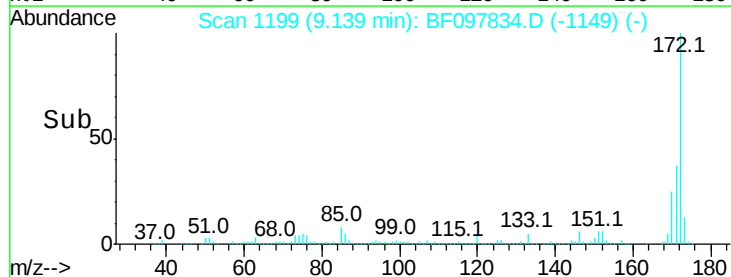
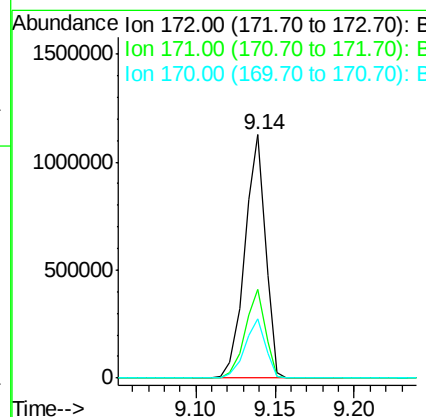
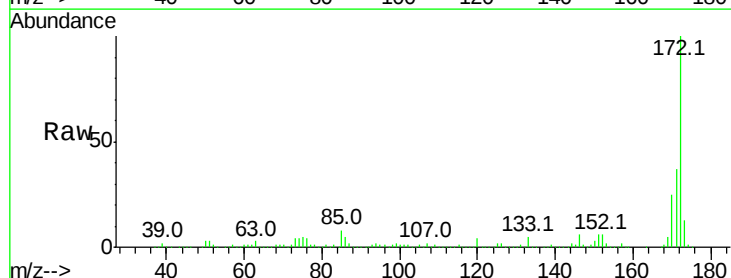
RT: 9.14 min Scan# 1199

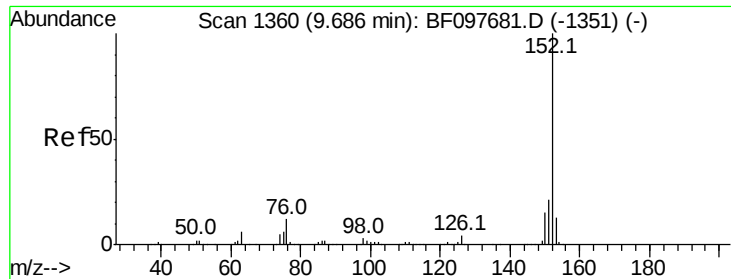
Delta R.T. -0.01 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Tgt Ion:	172	Resp:	1011757
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.6	44.4
170	24.6	19.8	29.8





#48

Acenaphthylene

Concen: 2.302 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Instrument :

BNA_F

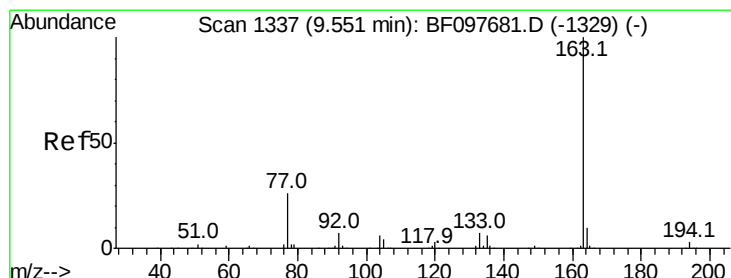
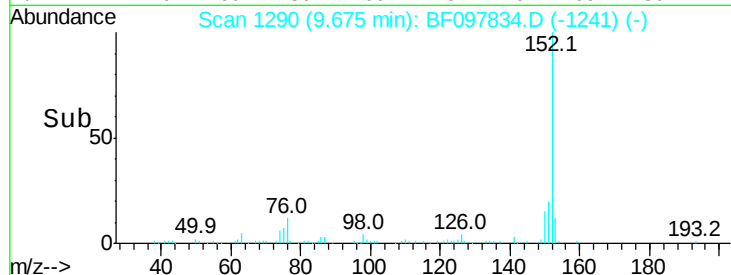
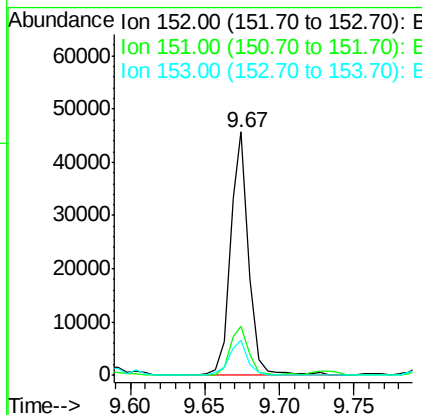
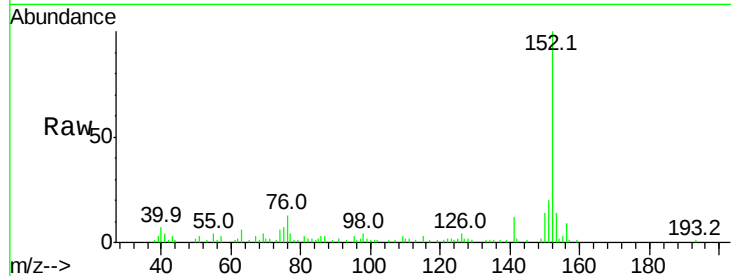
ClientSampleId :

E2-110-ESW-DUP

Tot Ion:	152	Resp:	39308
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.8	25.2
153	14.1	10.8	16.2

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#49

Dimethylphthalate

Concen: 14.556 ng

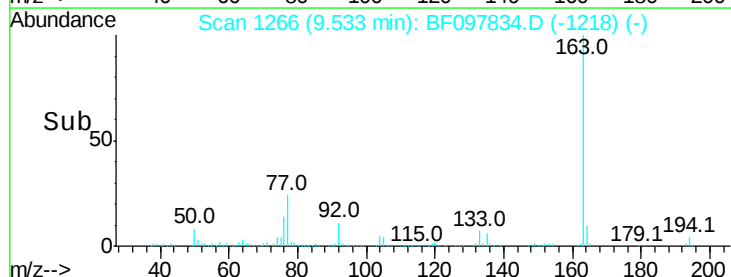
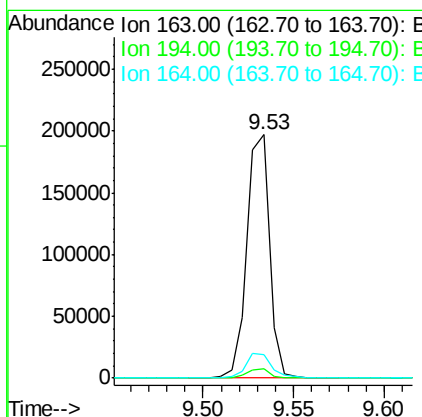
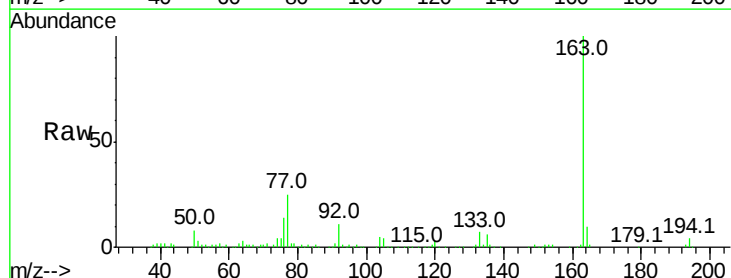
RT: 9.53 min Scan# 1266

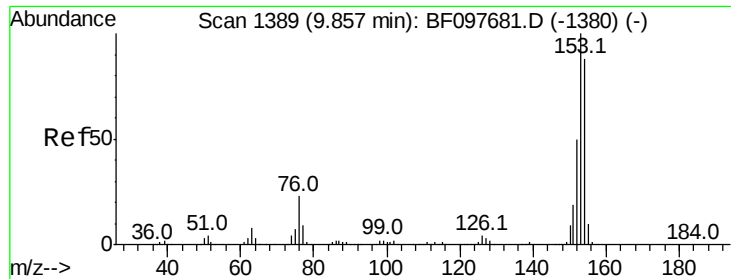
Delta R.T. -0.02 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Tgt Ion:	163	Resp:	171693
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.6	4.0
164	9.7	8.4	12.6





#51

Acenaphthene

Concen: 2.461 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Instrument :

BNA_F

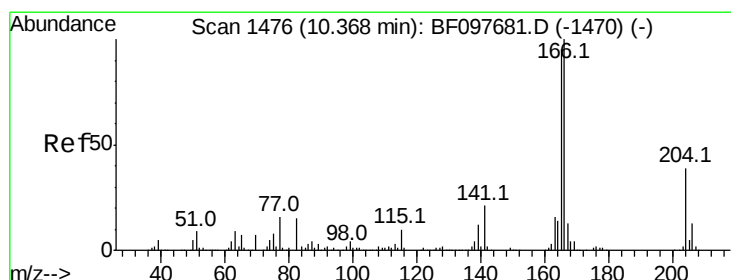
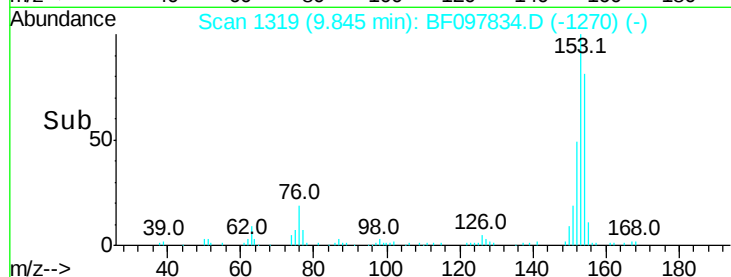
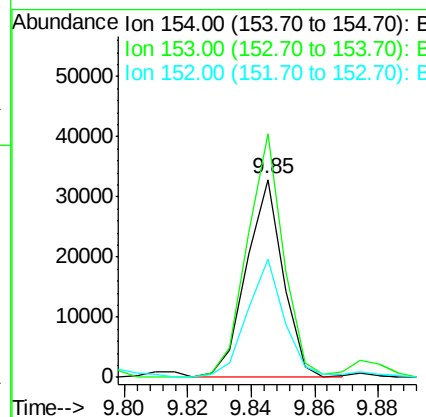
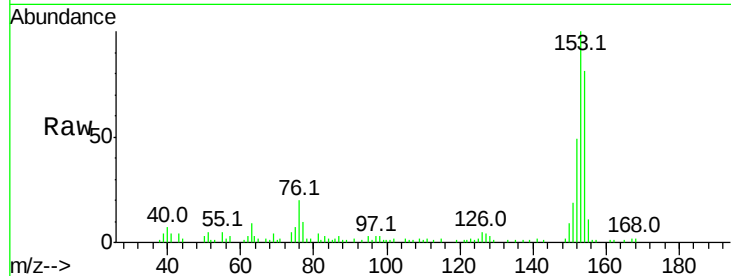
ClientSampleId :

E2-110-ESW-DUP

Tot Ion:	154	Resp:	26498
Ion	Ratio	Lower	Upper
154	100		
153	122.9	90.5	135.7
152	59.8	43.6	65.4

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#57

Fluorene

Concen: 2.296 ng

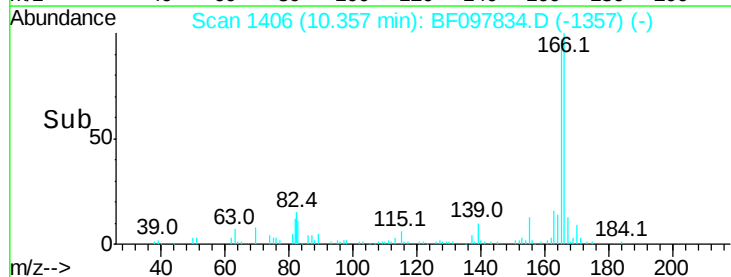
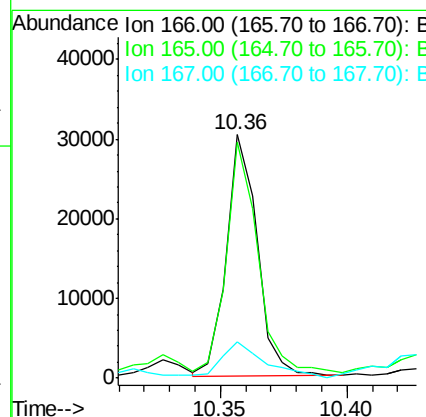
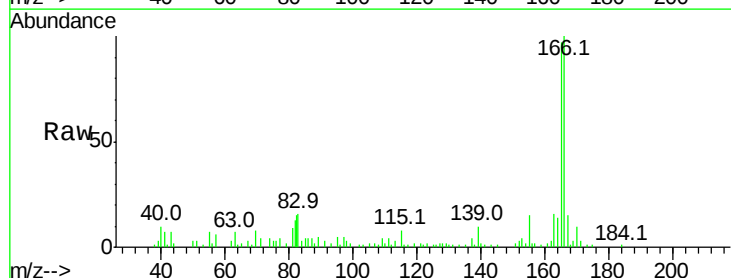
RT: 10.36 min Scan# 1406

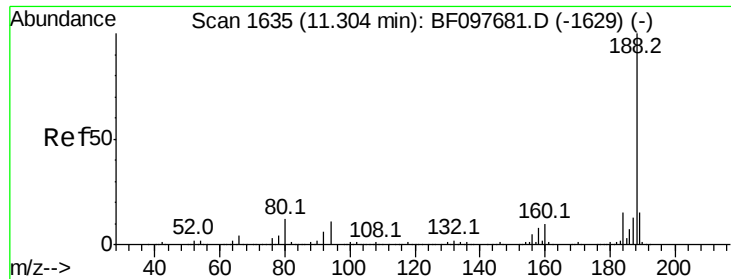
Delta R.T. -0.01 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Tgt Ion:	166	Resp:	25621
Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.8	118.2
167	14.9	10.6	16.0





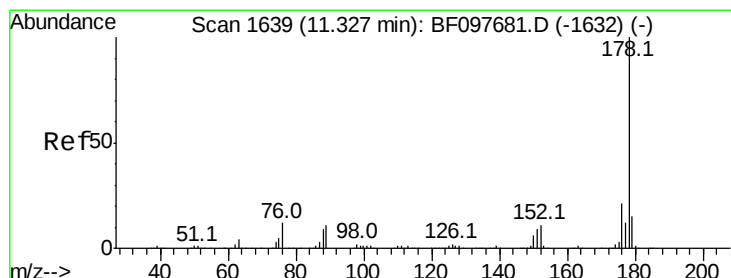
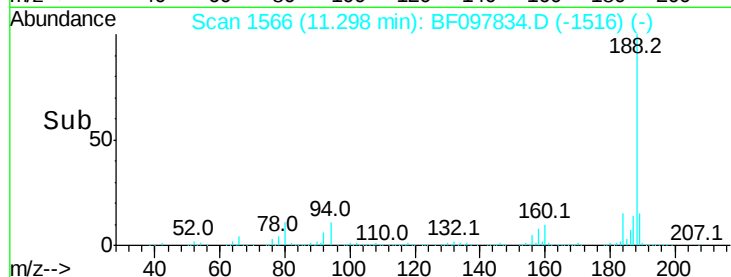
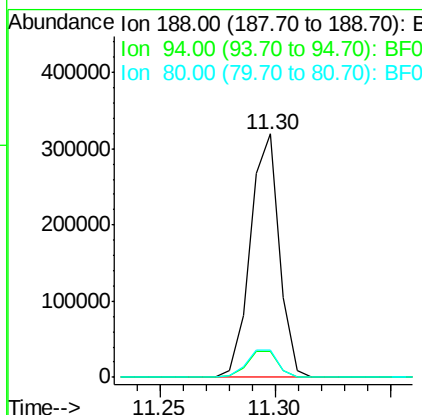
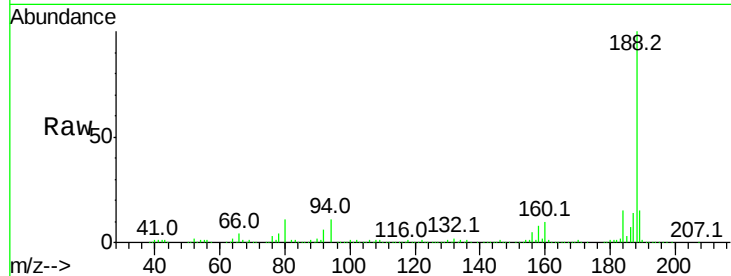
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-110-ESW-DUP

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.7	9.4	14.2
80	11.3	10.2	15.2

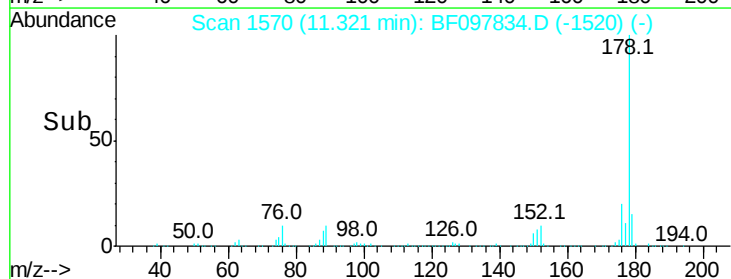
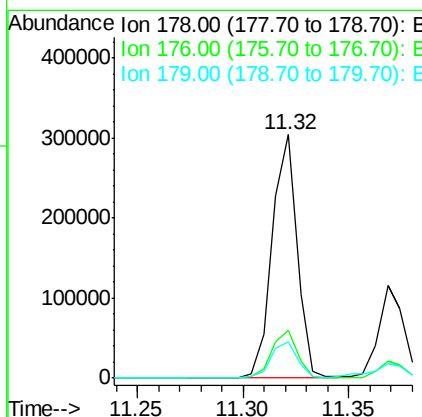
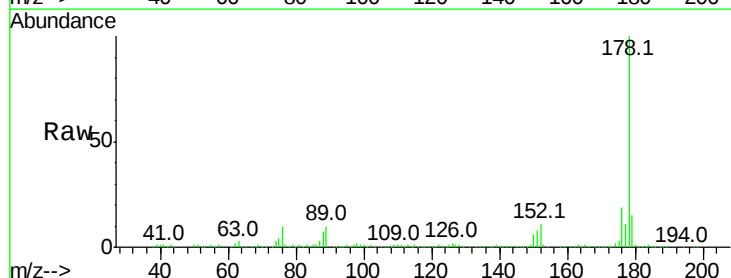
Manual Integrations
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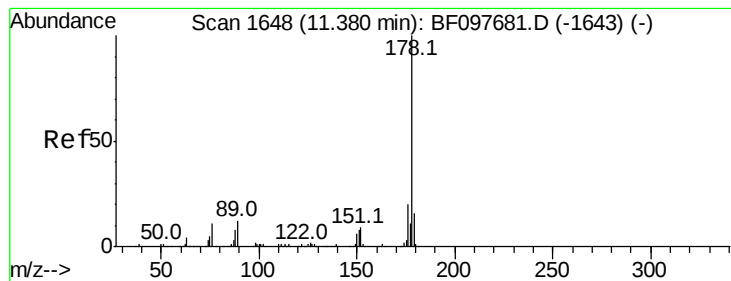
Sohil
8/18/2017 7:03:03 PM



#70
Phenanthrene
Concen: 16.776 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.1	12.6	19.0





#71

Anthracene

Concen: 6.197 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Instrument :

BNA_F

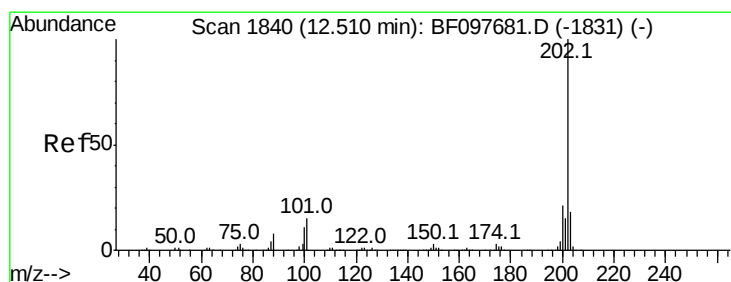
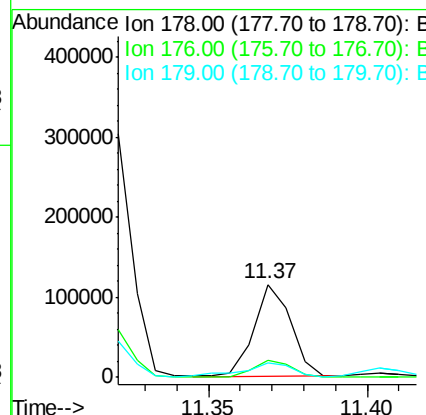
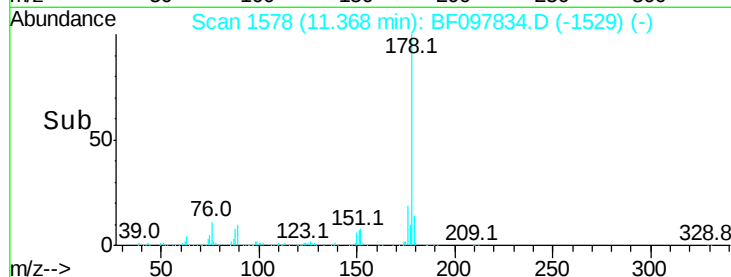
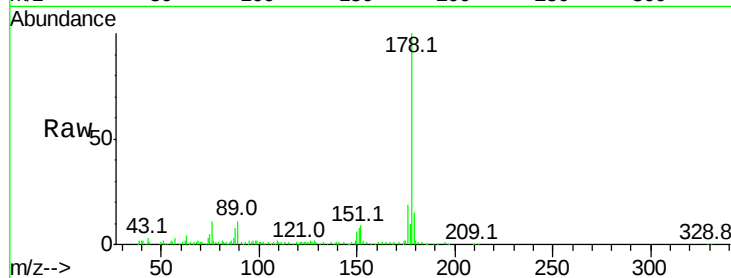
ClientSampleId :

E2-110-ESW-DUP

Tot Ion:	178	Resp:	93965
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.8	23.8
179	14.9	12.7	19.1

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#74

Fluoranthene

Concen: 31.703 ng

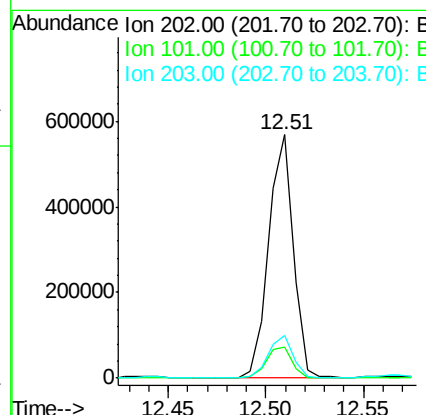
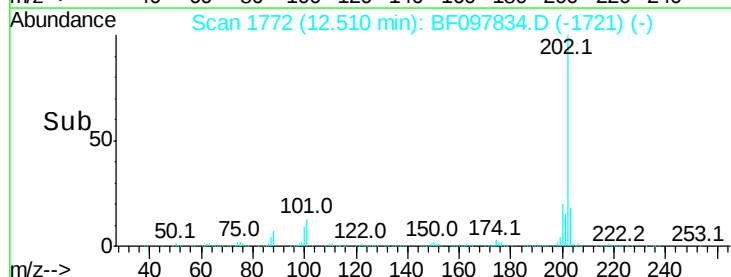
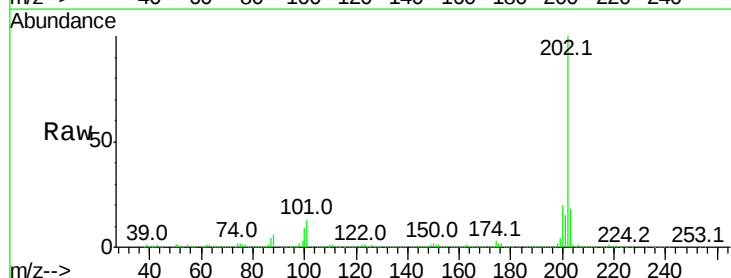
RT: 12.51 min Scan# 1772

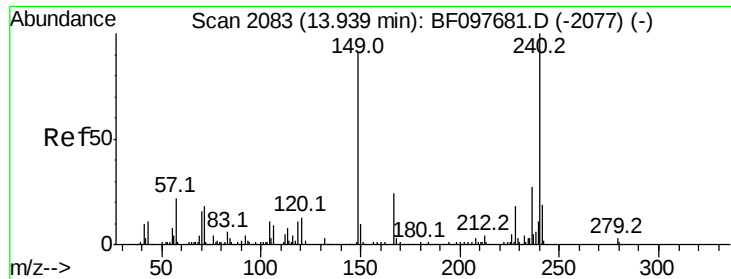
Delta R.T. 0.00 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Tgt Ion:	202	Resp:	494701
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Instrument :

BNA_F

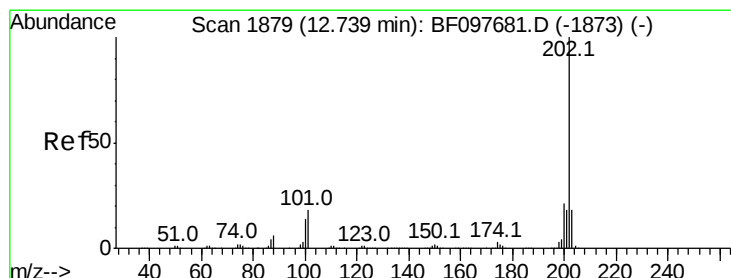
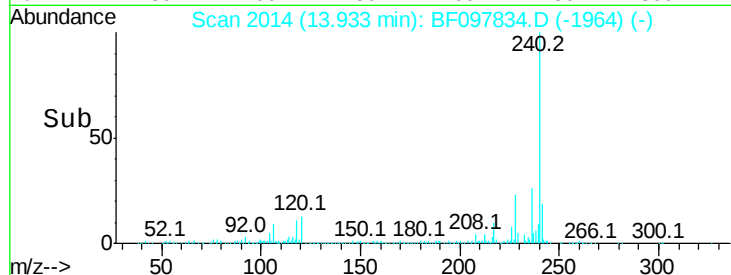
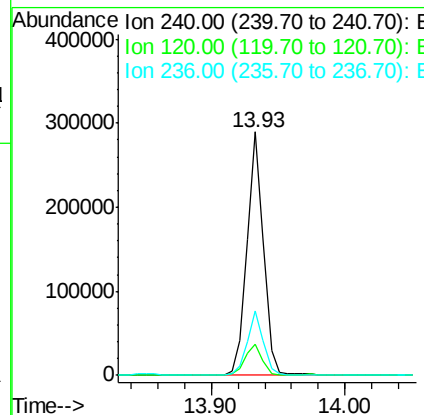
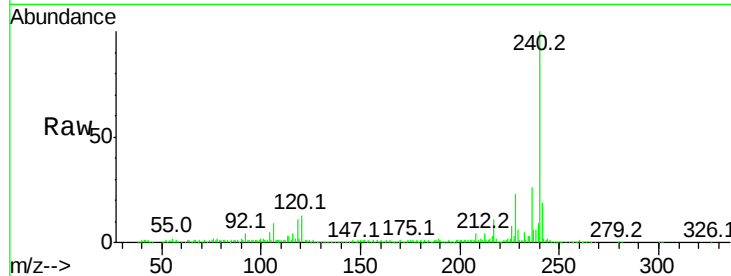
ClientSampleId :

E2-110-ESW-DUP

Tot Ion	Ratio	Resp	Lower	Upper
240	100	246780		
120	13.0	5.8	8.8#	
236	26.3	20.5	30.7	

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#77

Pyrene

Concen: 25.086 ng

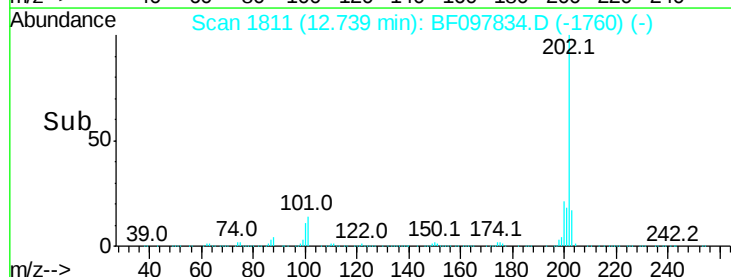
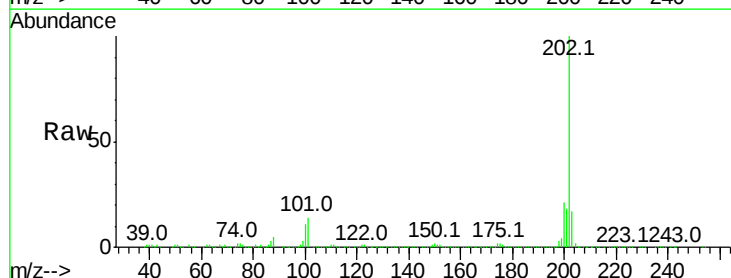
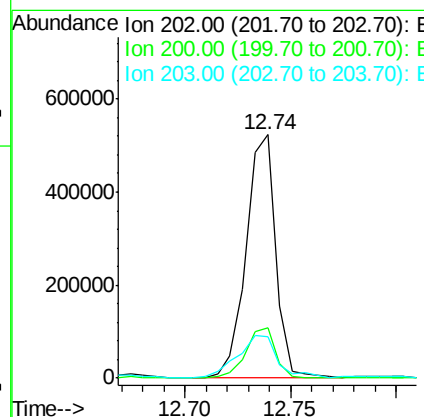
RT: 12.74 min Scan# 1811

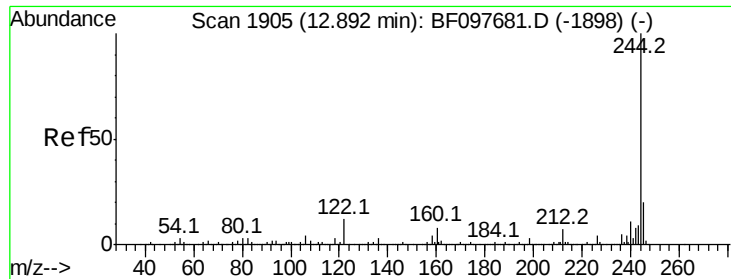
Delta R.T. 0.00 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	506332		
200	20.8	17.6	26.4	
203	17.1	14.4	21.6	





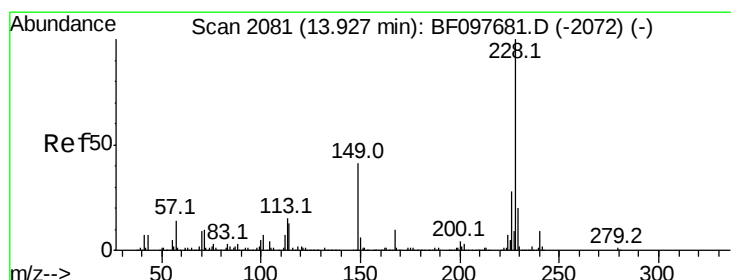
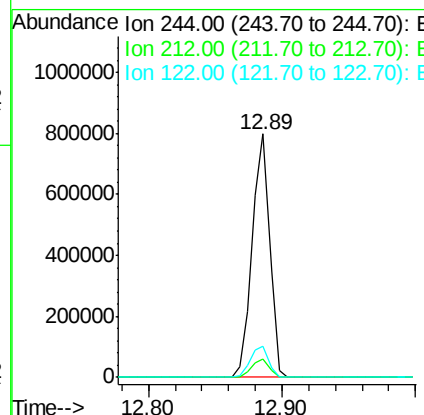
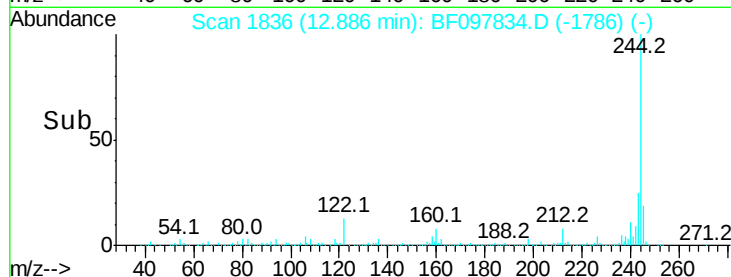
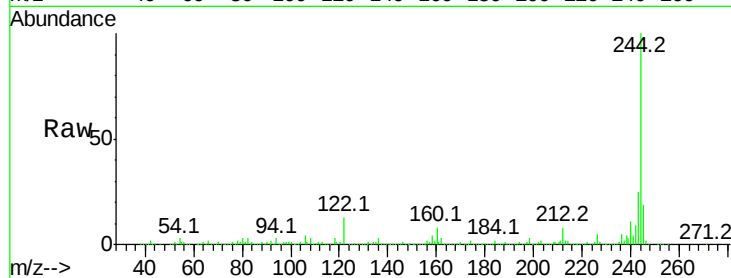
#78
 Terphenyl-d14
 Concen: 60.449 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BF097834.D
 Acq: 18 Aug 2017 14:28

Instrument :
 BNA_F
 ClientSampleId :
 E2-110-ESW-DUP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	12.8	10.3	15.5

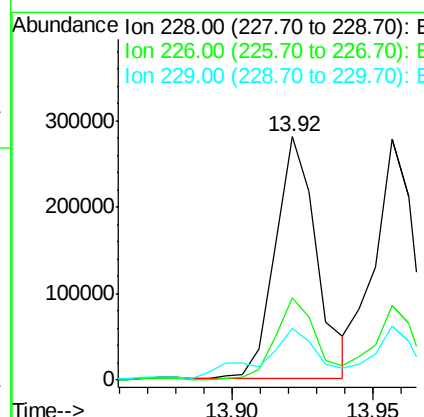
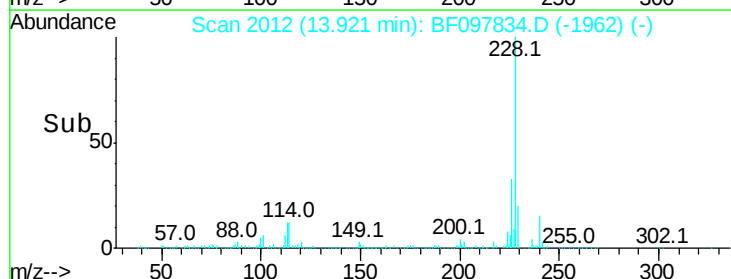
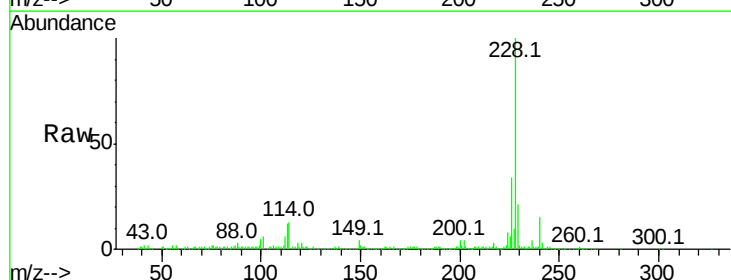
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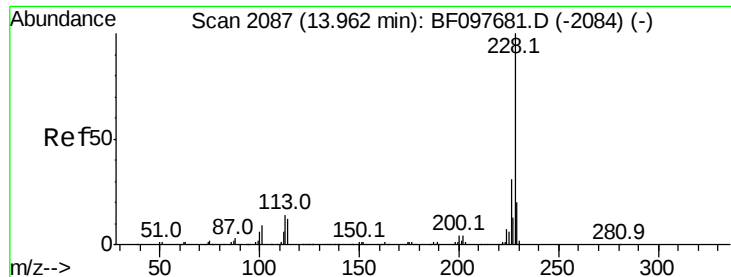
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#80
 Benzo(a)anthracene
 Concen: 19.339 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF097834.D
 Acq: 18 Aug 2017 14:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.6	33.8
229	21.1	16.3	24.5





#82

Chrysene

Concen: 17.991 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097834.D

Acq: 18 Aug 2017 14:28

Instrument :

BNA_F

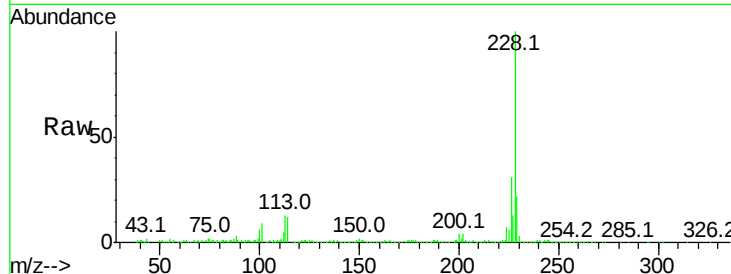
ClientSampleId :

E2-110-ESW-DUP

Tot Ion:	228	Resp:	264710
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.9	37.3
229	22.5	15.8	23.6

Manual Integrations
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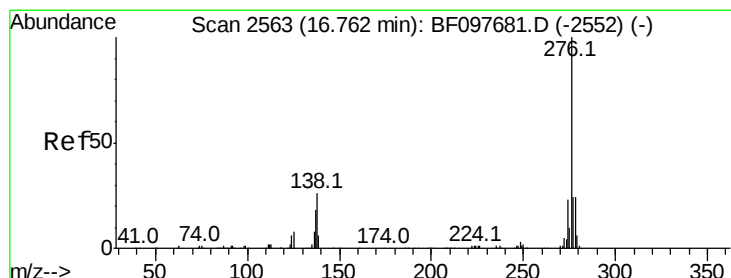
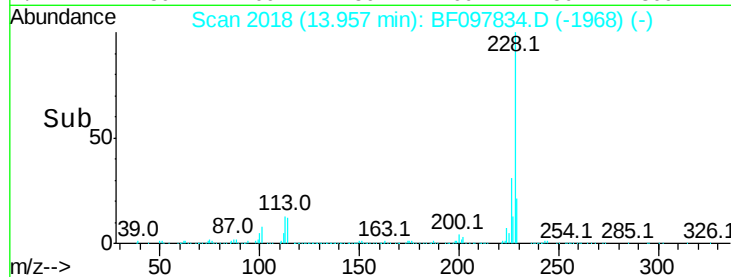
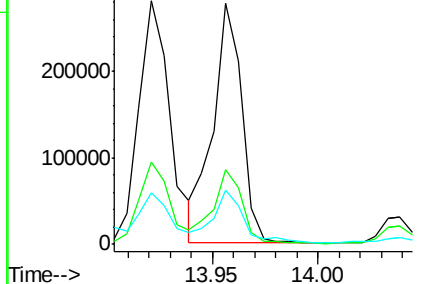
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.679 ng m

RT: 16.76 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BF097834.D

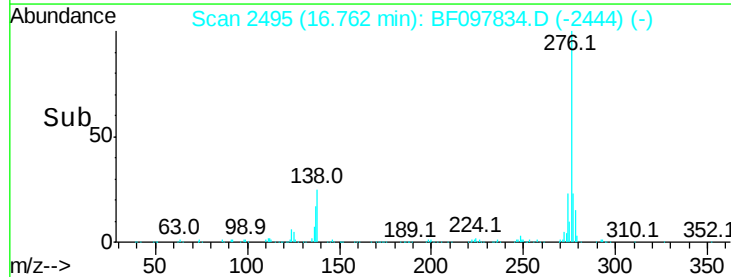
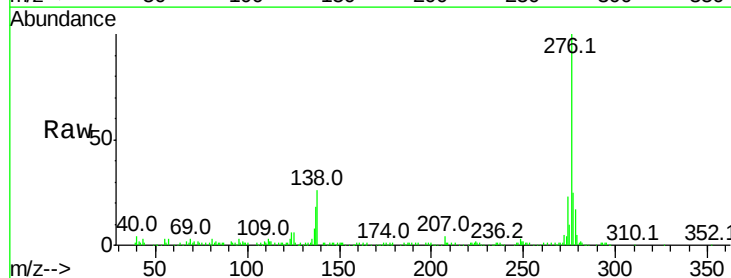
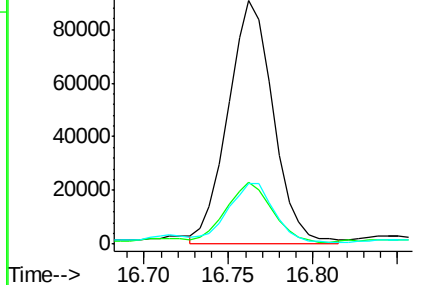
Acq: 18 Aug 2017 14:28

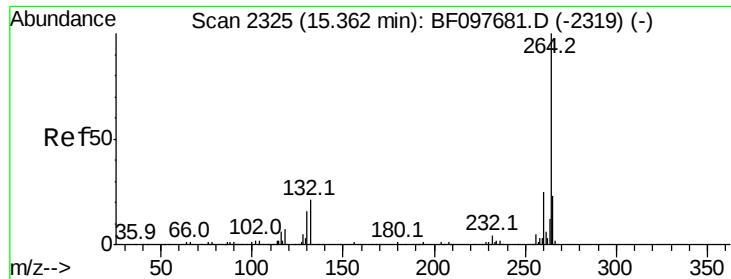
Tgt Ion:	276	Resp:	169697
Ion Ratio	Lower	Upper	
276	100		
138	5.0	27.8	41.6#
277	4.8	20.2	30.4#

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





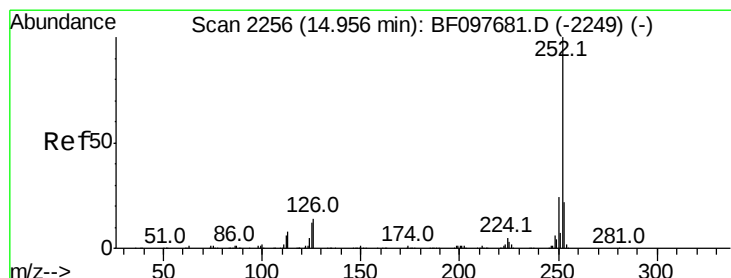
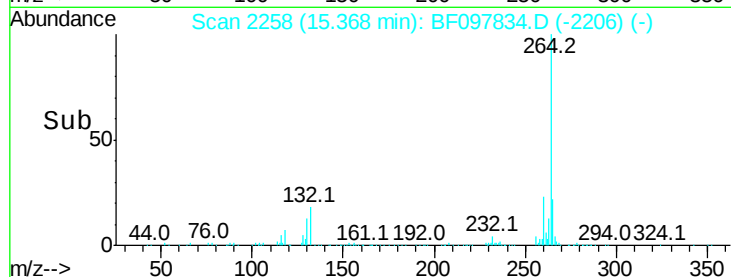
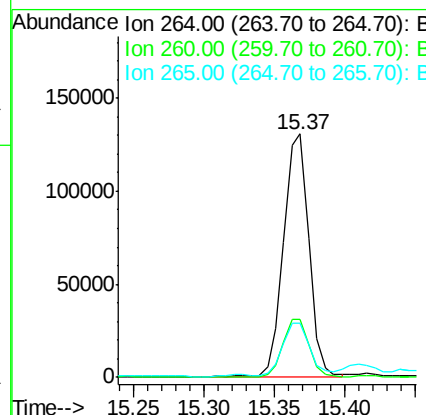
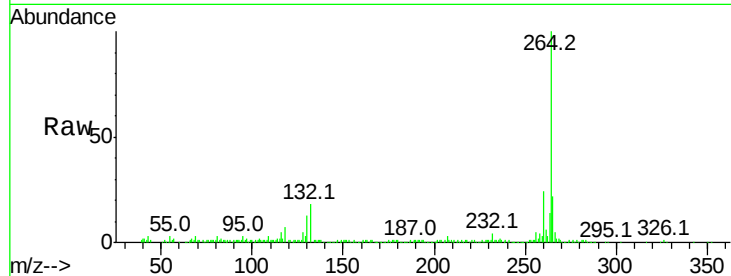
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-110-ESW-DUP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.2	17.2	25.8

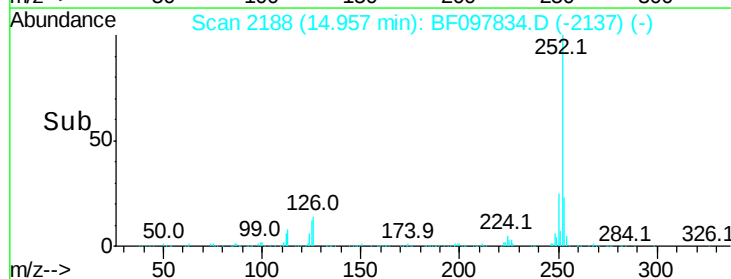
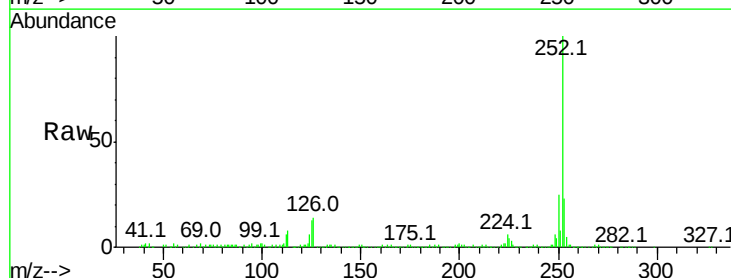
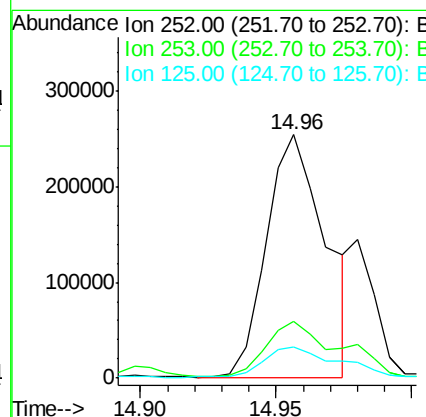
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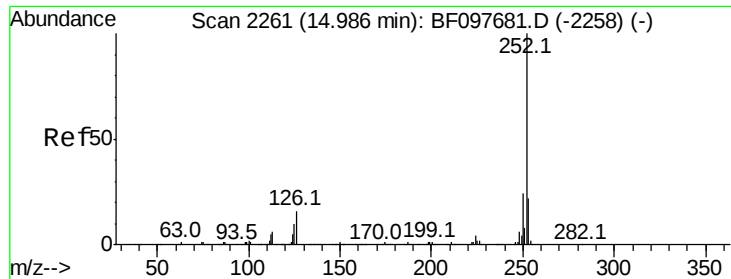
Sohil
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#87
Benzo(b)fluoranthene
Concen: 36.956 ng m
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	12.5	9.8	14.8





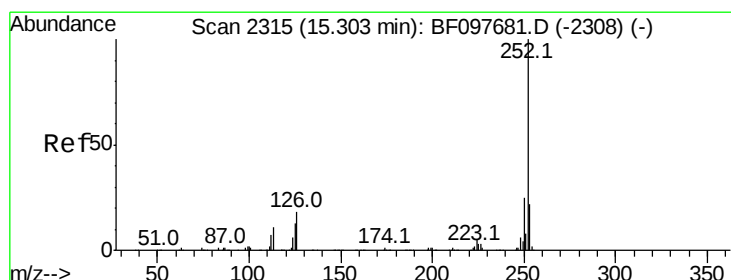
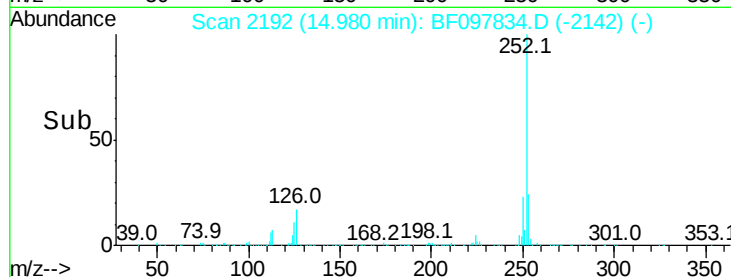
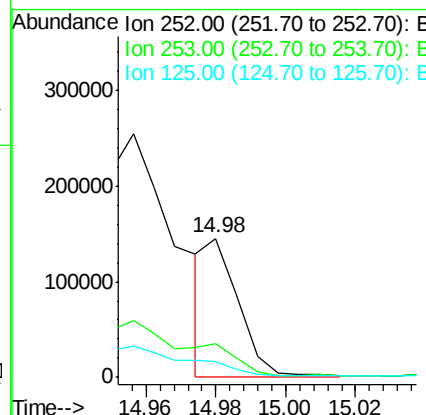
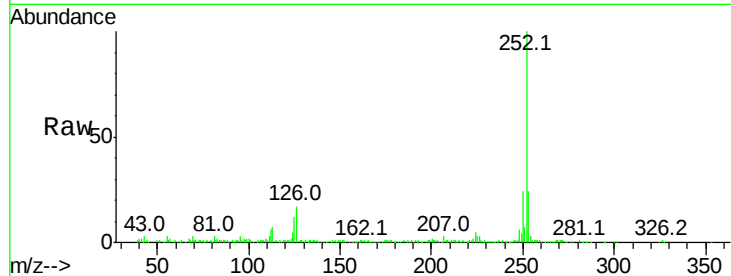
#88
Benzo(k)fluoranthene
Concen: 9.640 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-I10-ESW-DUP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	11.6	13.1	19.7

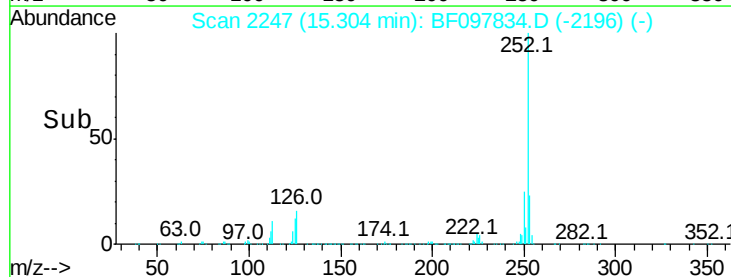
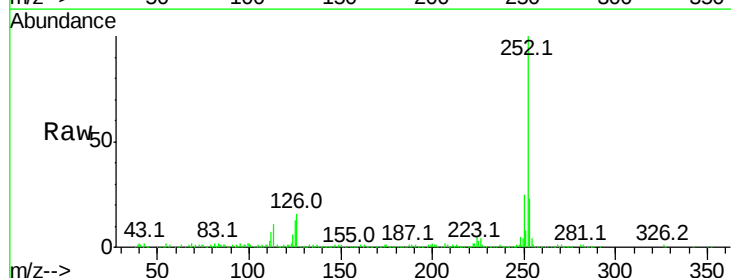
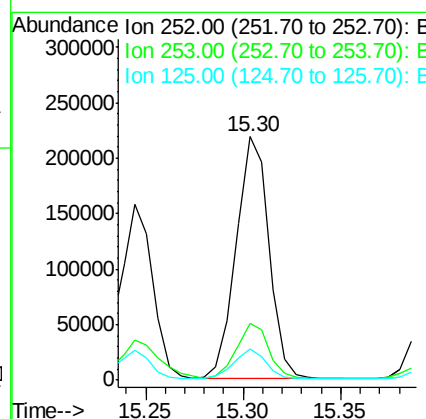
Manual Integrations
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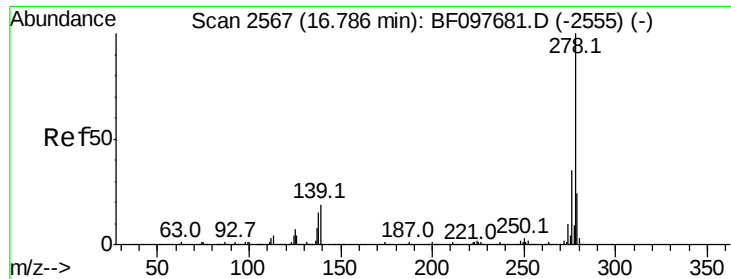
Sohil
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#89
Benzo(a)pyrene
Concen: 27.740 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	12.6	11.0	16.4





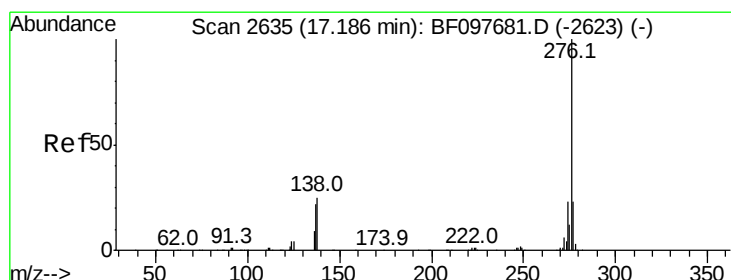
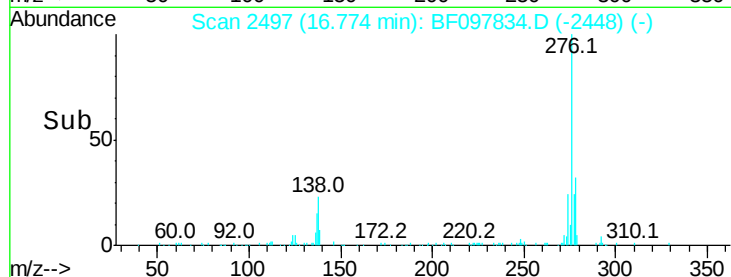
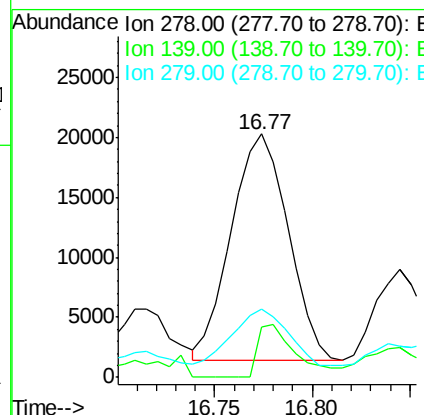
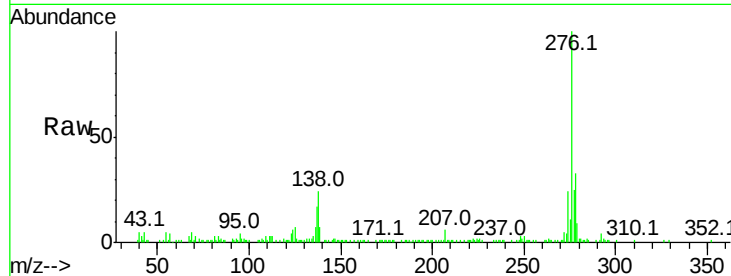
#90
Dibenzo(a,h)anthracene
Concen: 5.074 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Instrument :
BNA_F
ClientSampleId :
E2-I10-ESW-DUP

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.8	16.6	24.8
279	28.0	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 20.848 ng
RT: 17.19 min Scan# 2567
Delta R.T. 0.00 min
Lab File: BF097834.D
Acq: 18 Aug 2017 14:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	24.8	25.4	38.0#

