

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097833.D
 Acq On : 18 Aug 2017 14:00
 Operator : SJ/JU
 Sample : I4820-16
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-K6-WSW

Manual Integrations
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Sohil
 8/18/2017 7:03:01 PM

Quant Time: Aug 18 15:22:05 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	116375	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	407562	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	148032	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	265164	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	254726	20.00	ng	0.00
86) Perylene-d12	15.36	264	171810	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	975807	127.54	ng	0.00
7) Phenol-d6	6.41	99	1284212	123.54	ng	0.00
23) Nitrobenzene-d5	7.34	82	734996	97.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	159014	123.80	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	882484	87.59	ng	0.00
78) Terphenyl-d14	12.89	244	716993	58.70	ng	0.00
Target Compounds						
31) Naphthalene	8.08	128	152677	7.216	ng	99
37) 2-Methylnaphthalene	8.77	142	105906	8.164	ng	98
49) Dimethylphthalate	9.53	163	136069	12.575	ng	99
51) Acenaphthene	9.85	154	59167	5.990	ng	98
54) Dibenzofuran	10.02	168	52413	3.959	ng	# 97
57) Fluorene	10.36	166	63191	6.173	ng	99
70) Phenanthrene	11.32	178	254738	18.028	ng	99
71) Anthracene	11.37	178	70084	4.890	ng	99
74) Fluoranthene	12.50	202	191244	12.967	ng	98
77) Pyrene	12.73	202	167420	8.036	ng	97
80) Benzo(a)anthracene	13.92	228	57796	3.786	ng	97
82) Chrysene	13.96	228	54309	3.576	ng	98
87) Benzo(b)fluoranthene	14.95	252	41099m	3.795	ng	
89) Benzo(a)pyrene	15.30	252	29967	3.126	ng	94

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

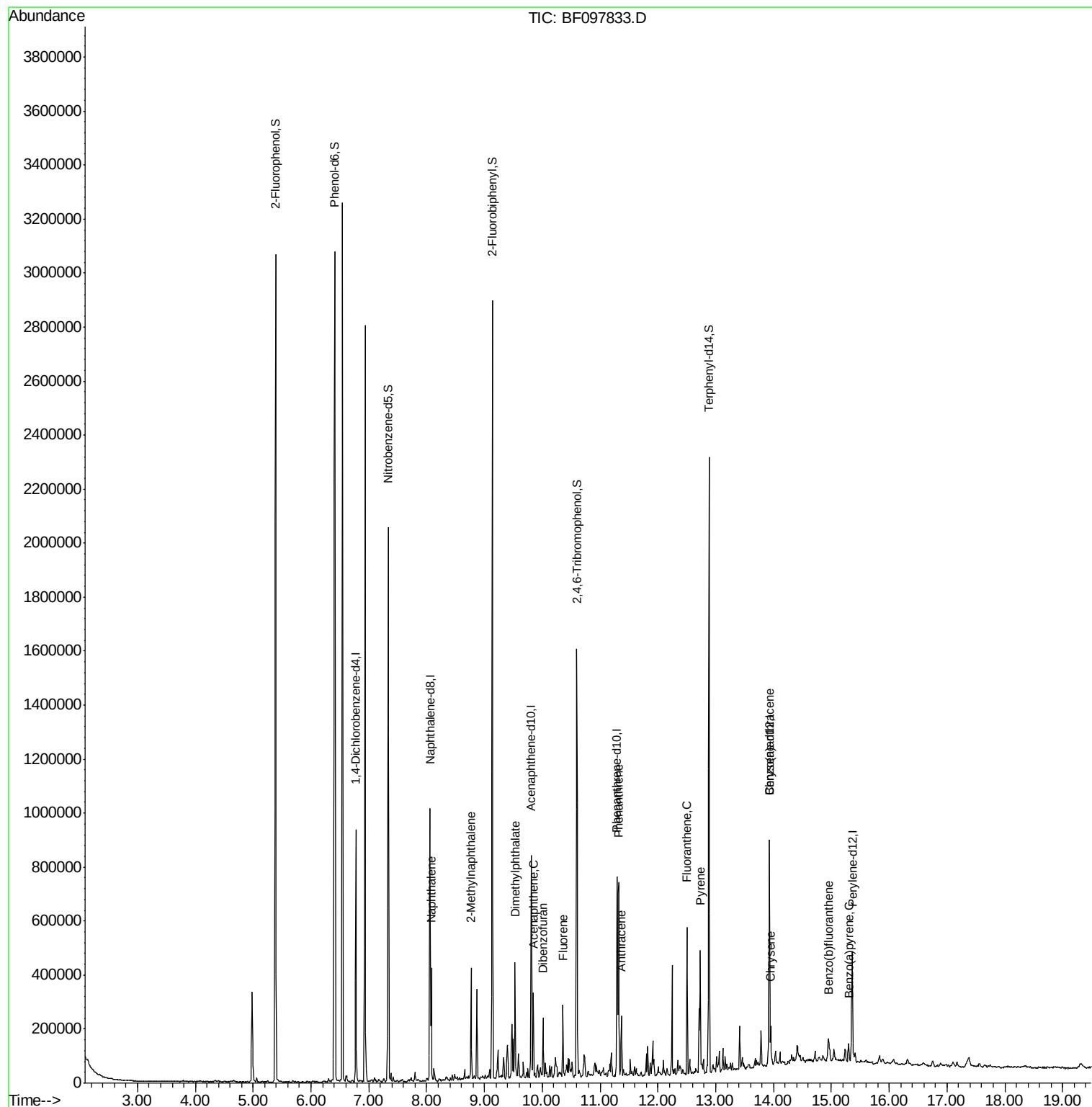
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097833.D
Acq On : 18 Aug 2017 14:00
Operator : SJ/JU
Sample : I4820-16
Misc :
ALS Vial : 47 Sample Multiplier: 1

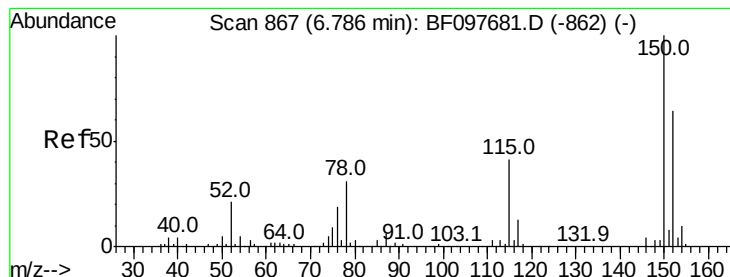
Instrument :
BNA_F
ClientSampled :
E2-K6-WSW

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

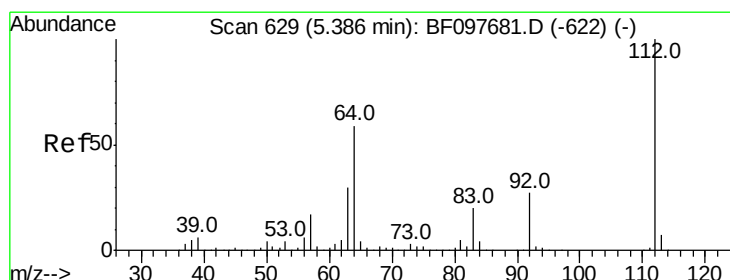
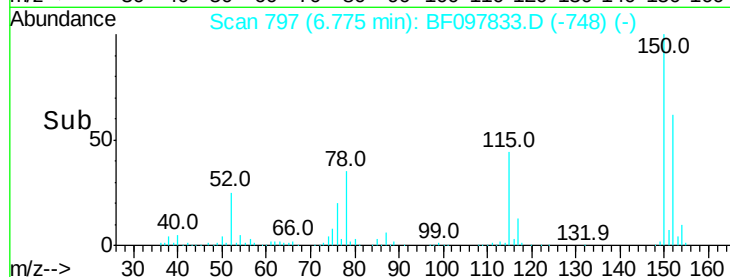
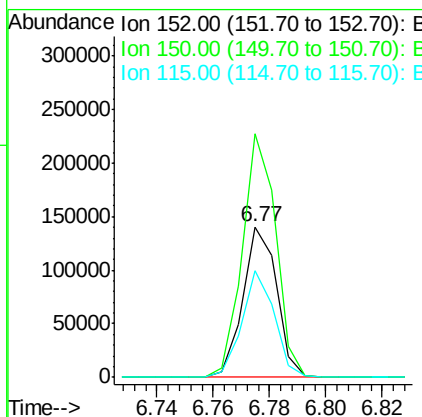
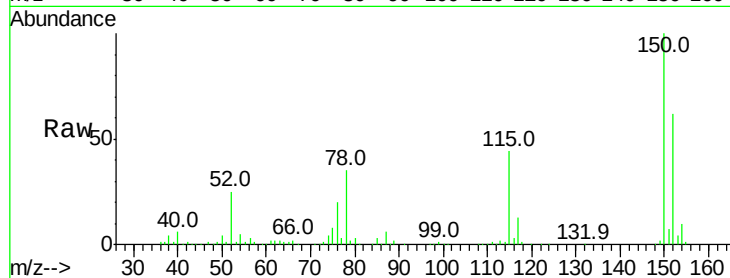
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Instrument :
BNA_F
ClientSampleId :
E2-K6-WSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.7	126.2	189.2
115	71.0	52.2	78.2

Manual Integrations
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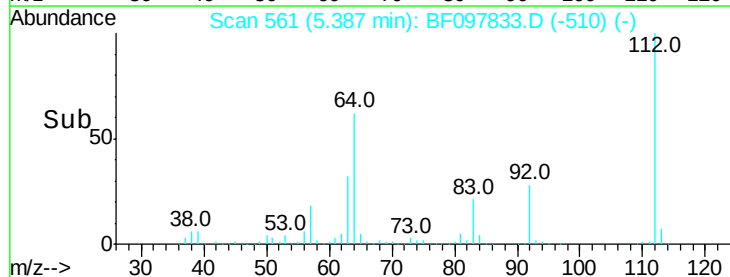
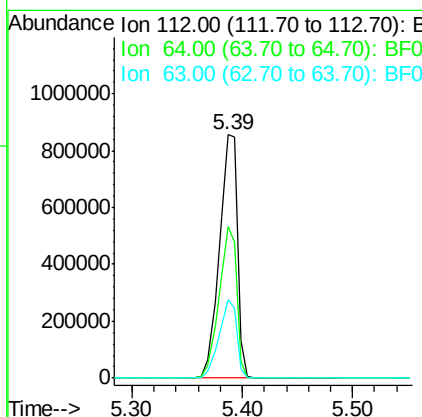
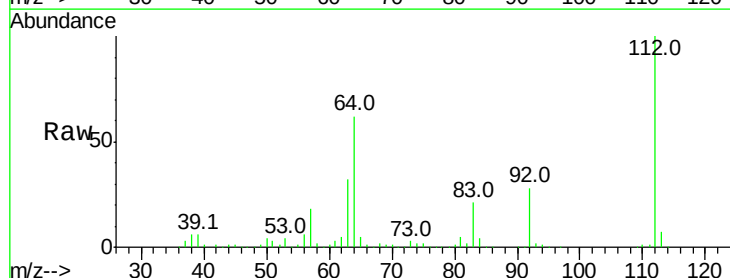
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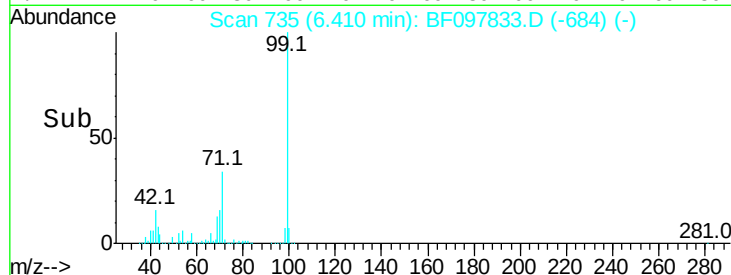
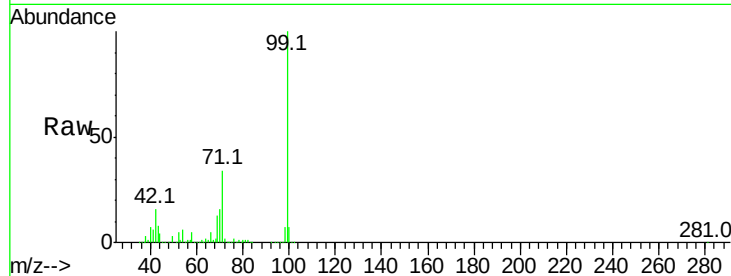
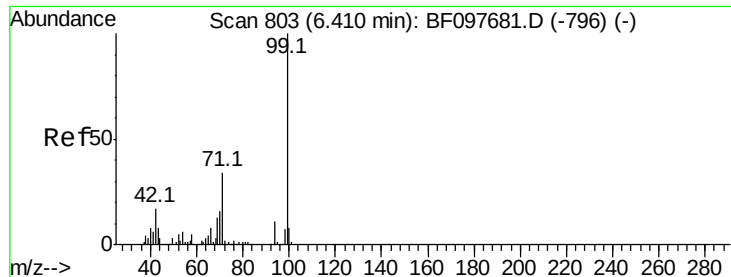


#5

2-Fluorophenol
Concen: 127.542 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	46.0	69.0
63	32.0	23.4	35.0





#7

Phenol-d6

Concen: 123.538 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097833.D

Acq: 18 Aug 2017 14:00

Tot Ion:	99	Resp:	1284212
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.5	20.3
71	34.0	24.5	36.7

Instrument :

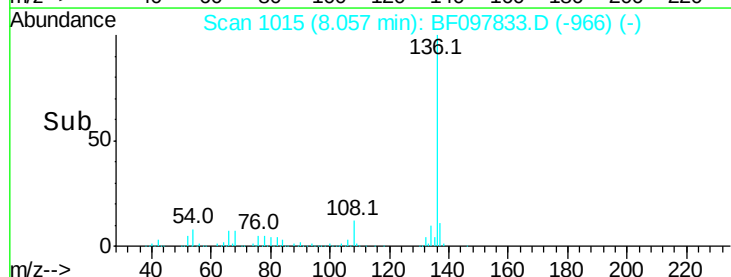
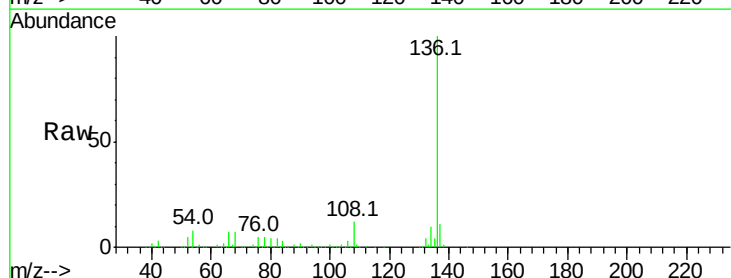
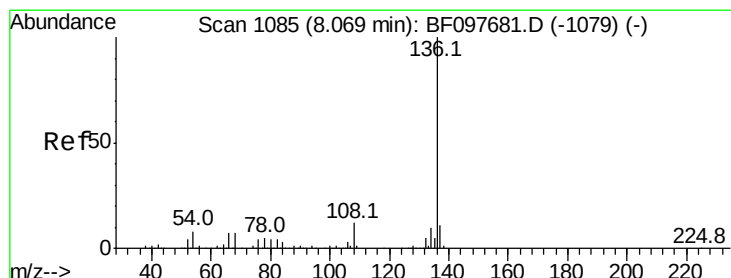
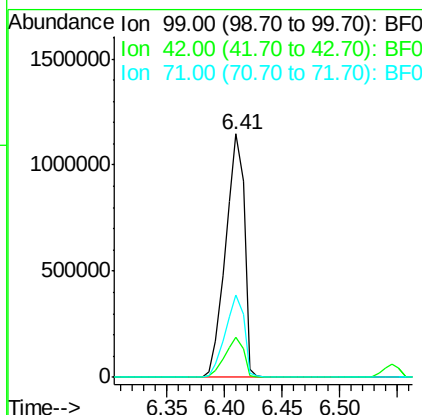
BNA_F

ClientSampleId :

E2-K6-WSW

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#21

Naphthalene-d8

Concen: 20.000 ng

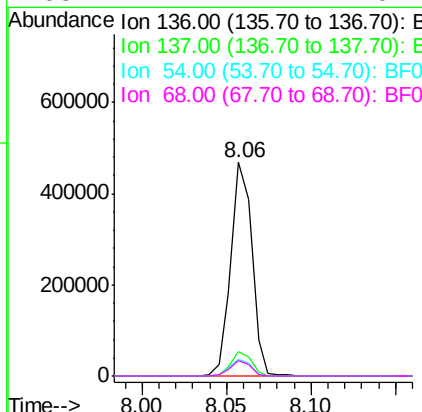
RT: 8.06 min Scan# 1015

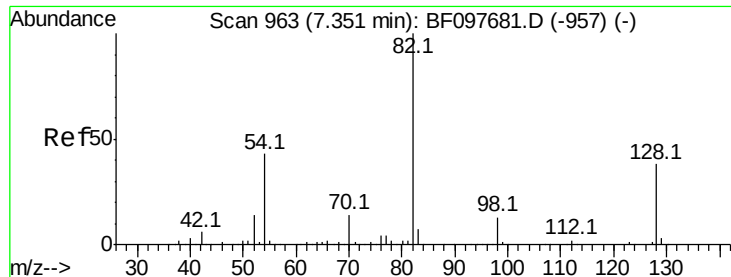
Delta R.T. -0.01 min

Lab File: BF097833.D

Acq: 18 Aug 2017 14:00

Tgt Ion:	136	Resp:	407562
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	8.1	4.9	7.3#
68	7.4	4.1	6.1#





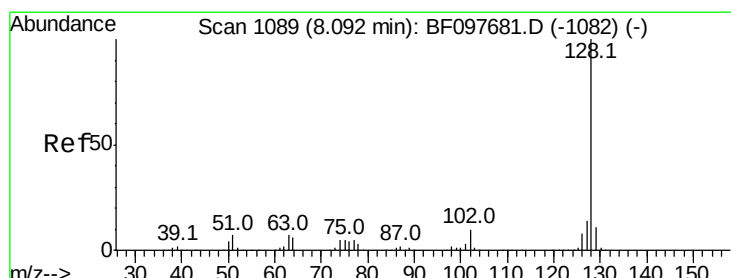
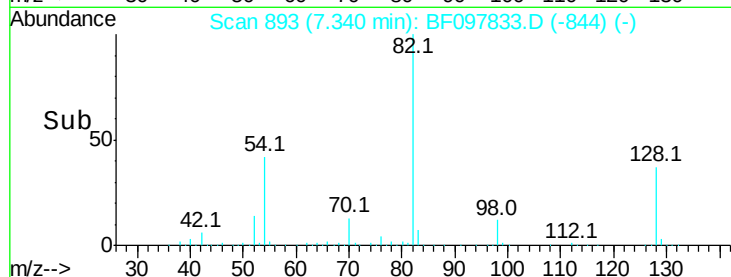
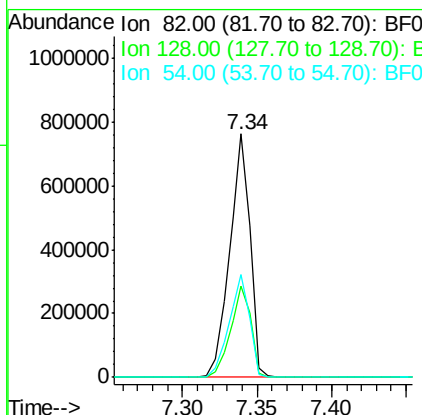
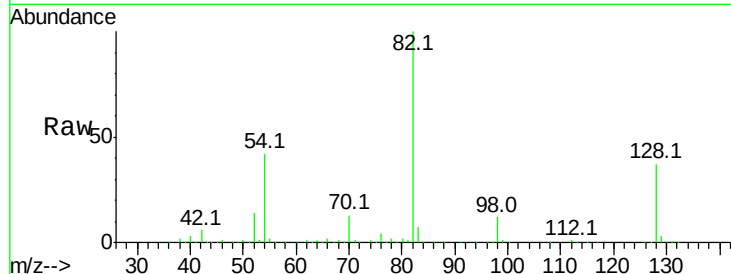
#23
 Nitrobenzene-d5
 Concen: 97.969 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF097833.D
 Acq: 18 Aug 2017 14:00

Instrument :
 BNA_F
 ClientSampled :
 E2-K6-WSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.3	34.0	51.0
54	42.1	42.2	63.2

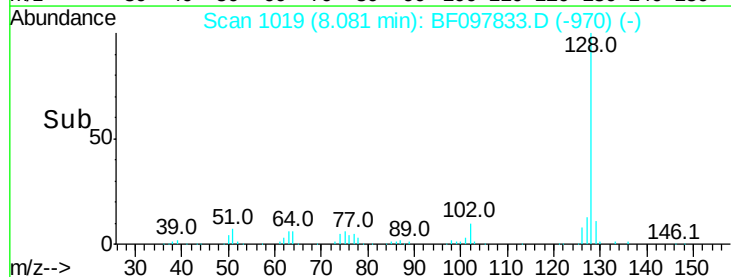
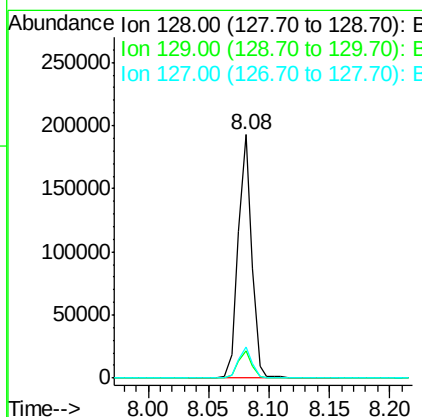
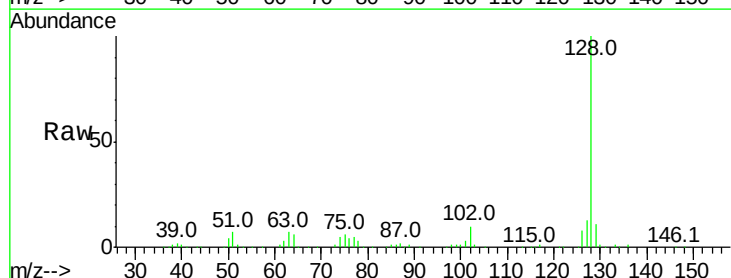
Manual Integrations
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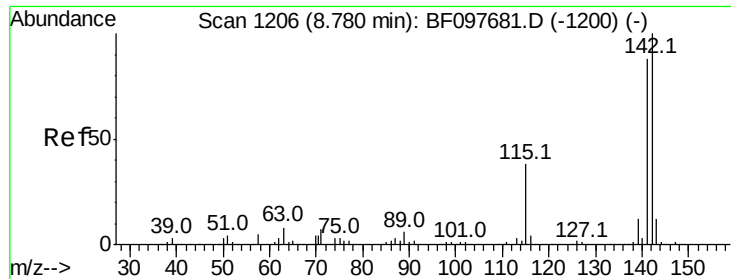
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#31
 Naphthalene
 Concen: 7.216 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF097833.D
 Acq: 18 Aug 2017 14:00

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	12.9	10.8	16.2





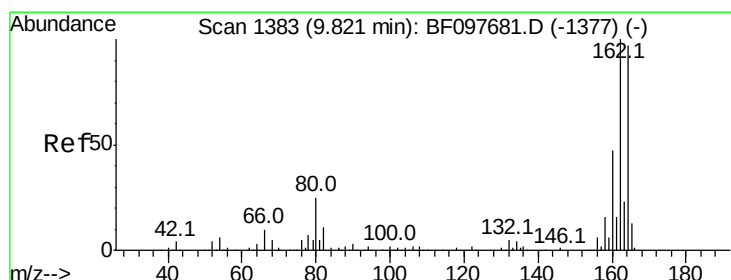
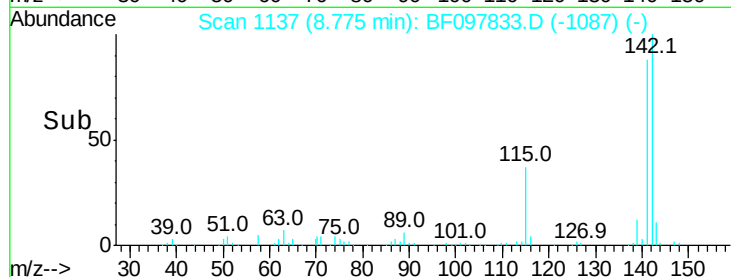
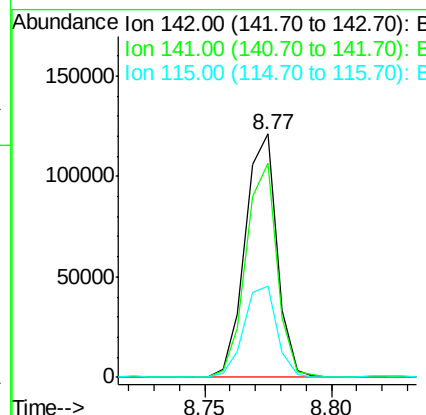
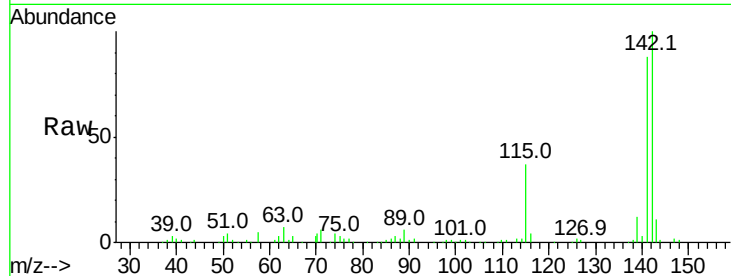
#37
 2-Methylnaphthalene
 Concen: 8.164 ng
 RT: 8.77 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF097833.D
 Acq: 18 Aug 2017 14:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-K6-WSW

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.3	106.9
115	37.3	27.1	40.7

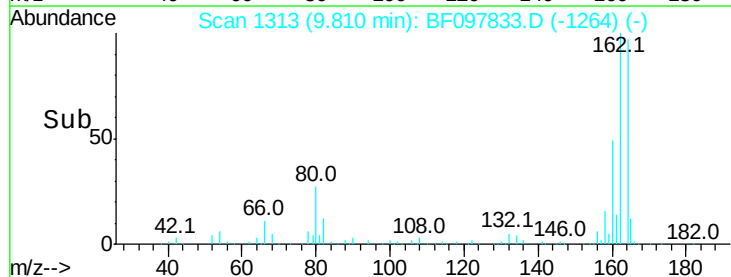
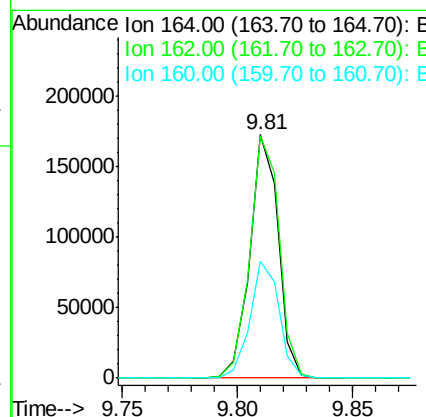
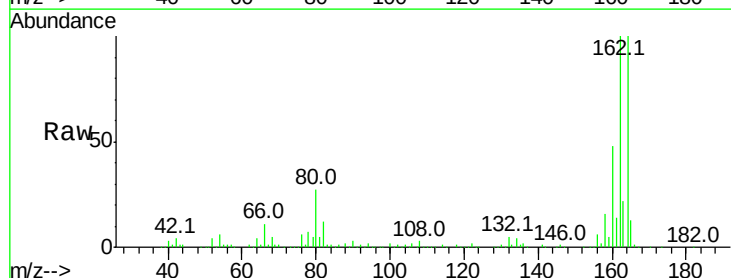
Manual Integrations
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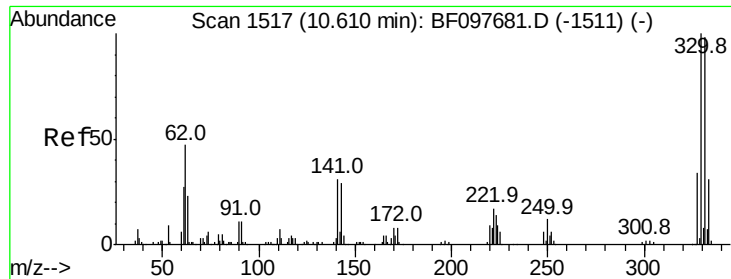
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097833.D
 Acq: 18 Aug 2017 14:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.6	123.8
160	48.3	36.2	54.2





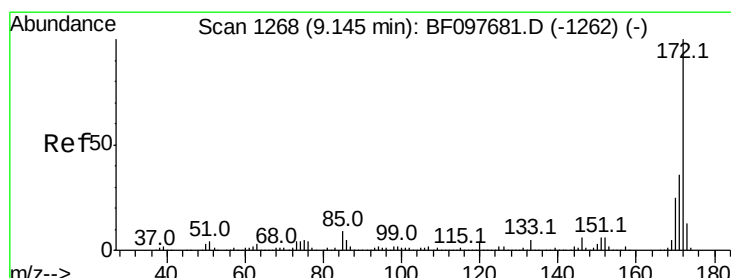
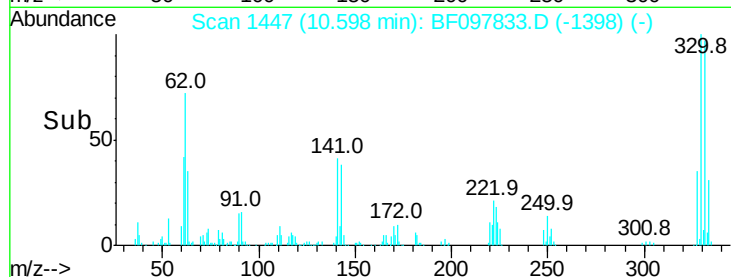
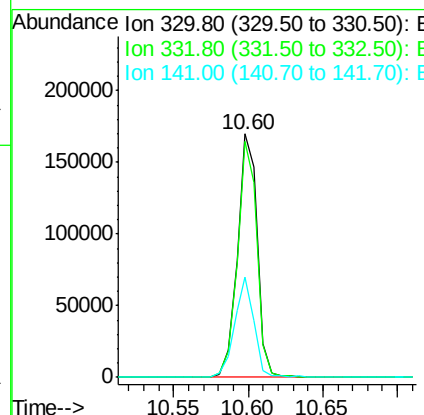
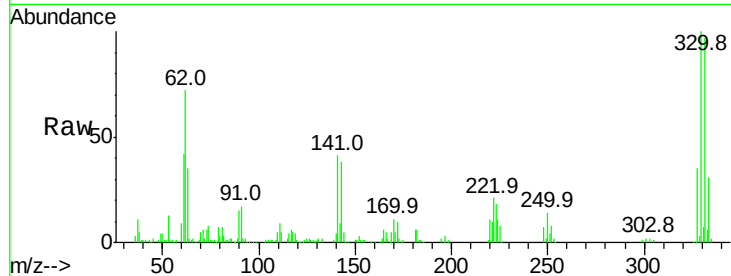
#41
 2,4,6-Tribromophenol
 Concen: 123.802 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097833.D
 Acq: 18 Aug 2017 14:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-K6-WSW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	159014		
332	95.9	76.6	115.0	
141	41.1	31.4	47.2	

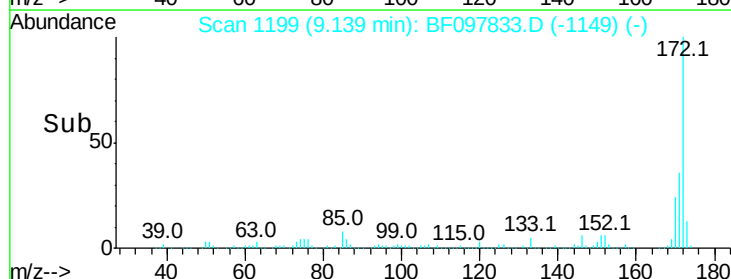
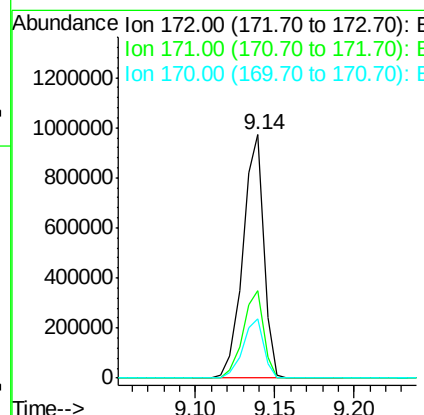
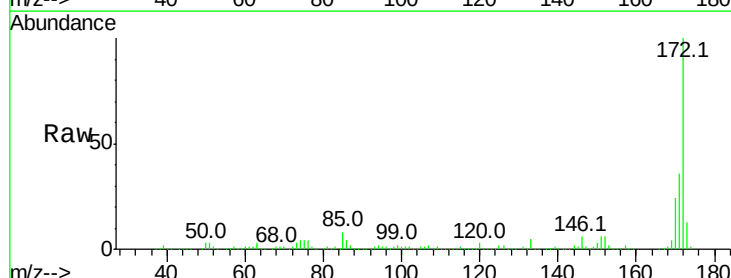
Manual Integrations
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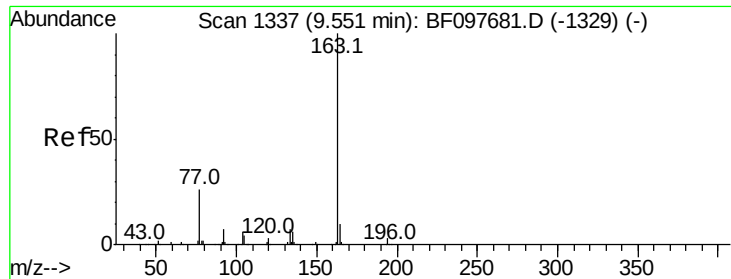
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#44
 2-Fluorobiphenyl
 Concen: 87.586 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097833.D
 Acq: 18 Aug 2017 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	882484		
171	35.8	29.6	44.4	
170	24.5	19.8	29.8	





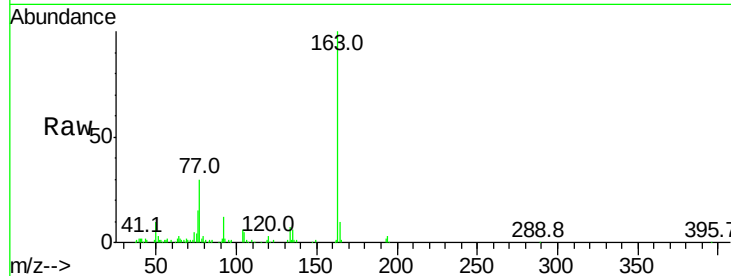
#49
Dimethylphthalate
Concen: 12.575 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Instrument :
BNA_F
ClientSampleId :
E2-K6-WSW

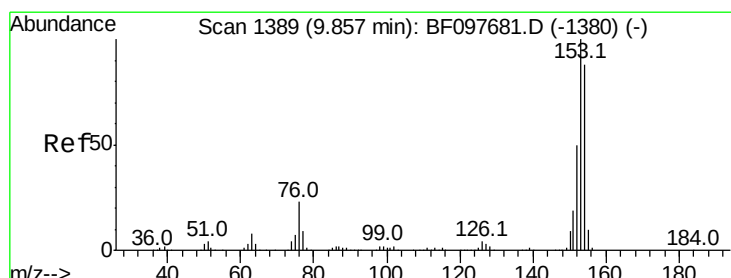
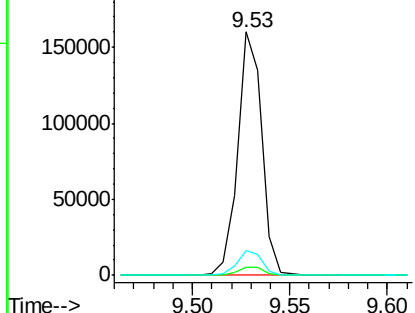
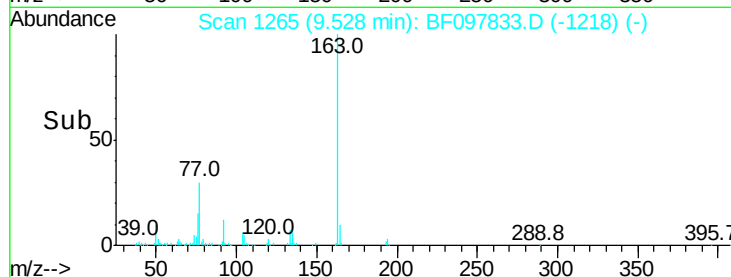
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.6	4.0	
164	10.2	8.4	12.6	

Manual Integrations
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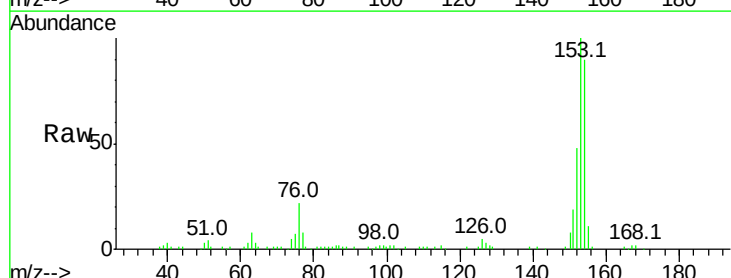


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

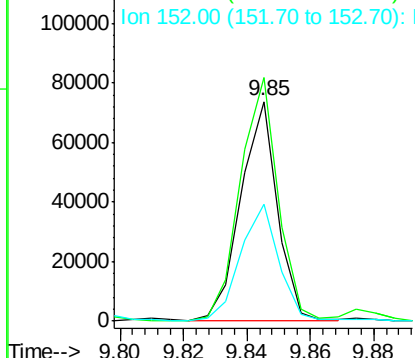
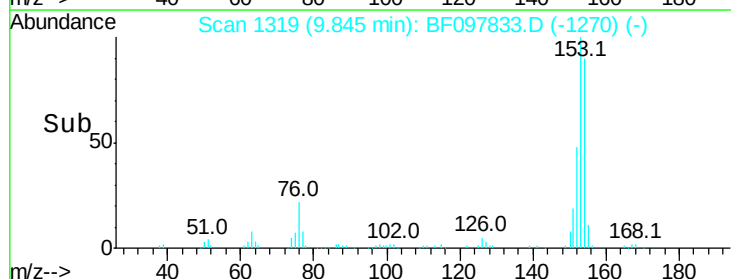


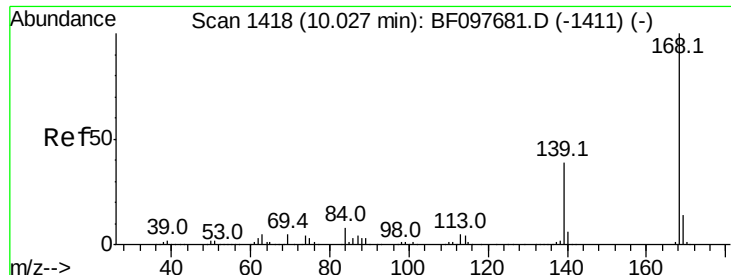
#51
Acenaphthene
Concen: 5.990 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	110.7	90.5	135.7	
152	52.9	43.6	65.4	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





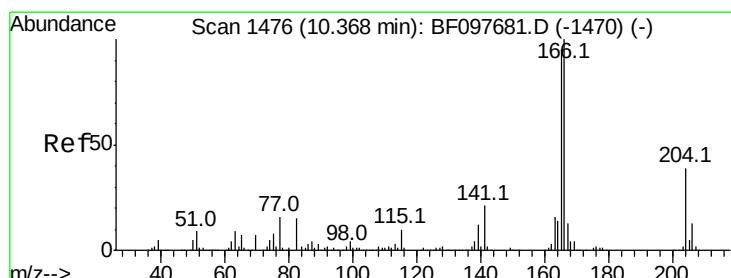
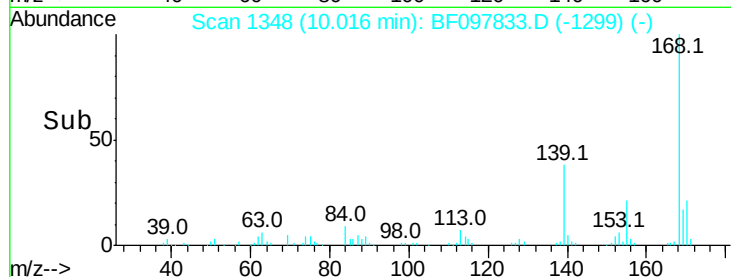
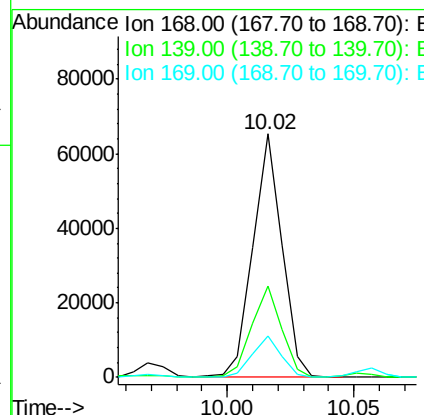
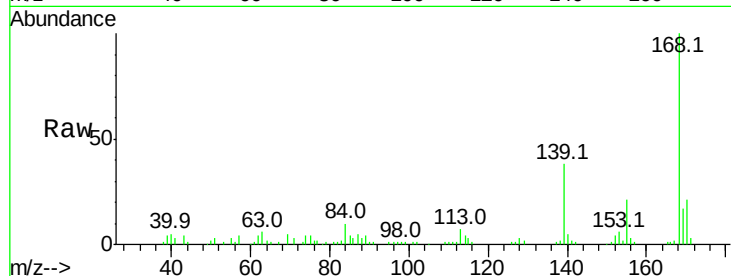
#54
Dibenzenofuran
Concen: 3.959 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Instrument :
BNA_F
ClientSampled :
E2-K6-WSW

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.6	45.8
169	17.1	10.8	16.2

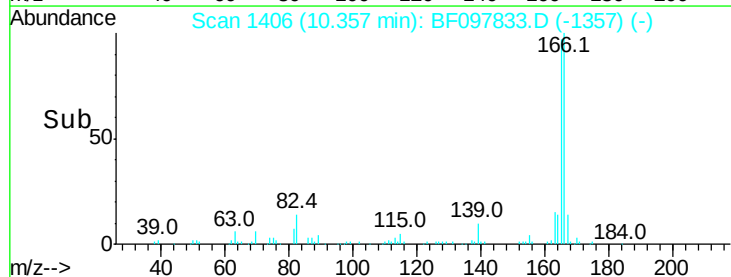
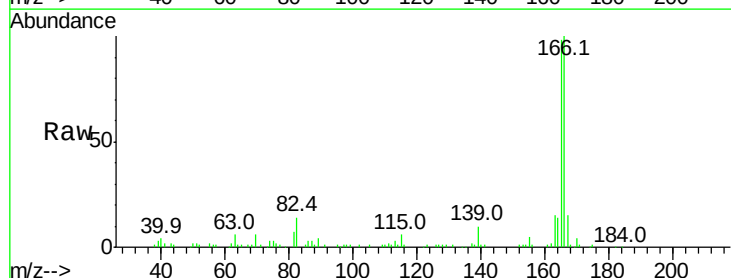
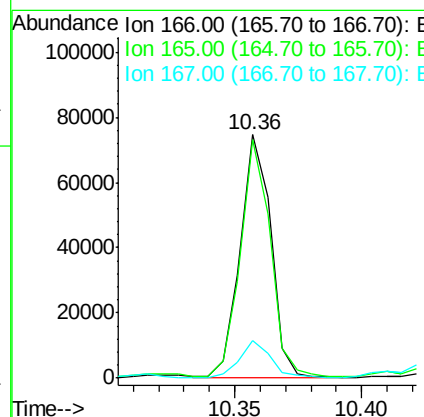
Manual Integrations
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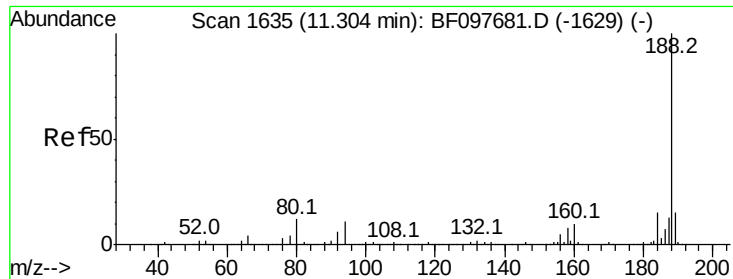
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#57
Fluorene
Concen: 6.173 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.8	118.2
167	15.2	10.6	16.0





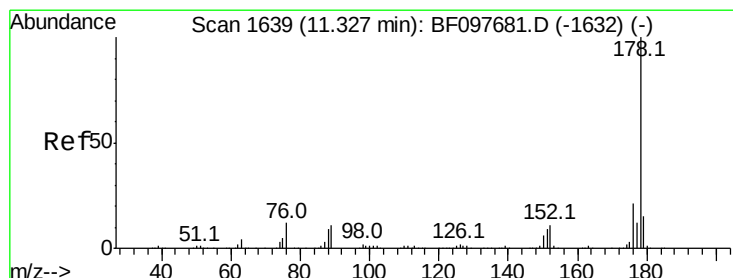
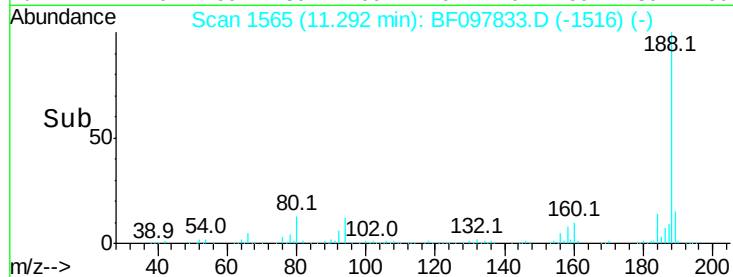
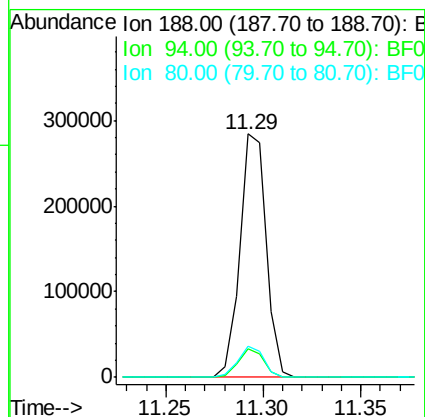
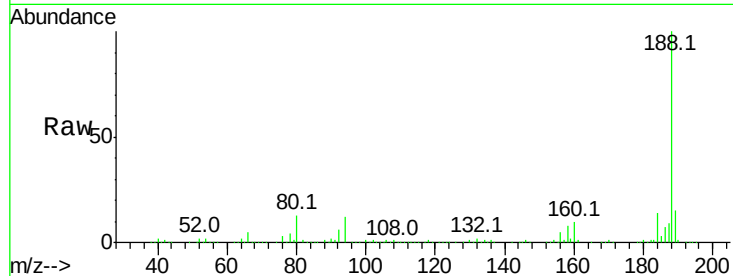
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Instrument :
BNA_F
ClientSampleId :
E2-K6-WSW

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.0	9.4	14.2
80	12.7	10.2	15.2

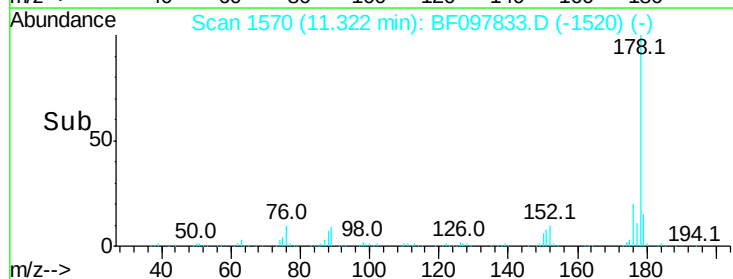
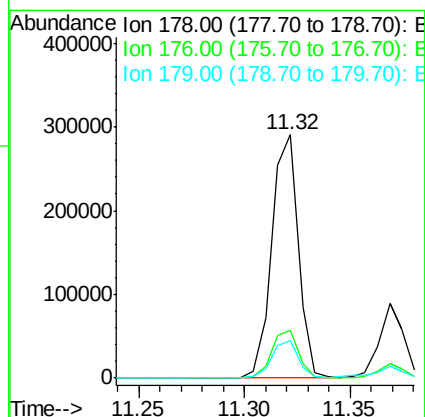
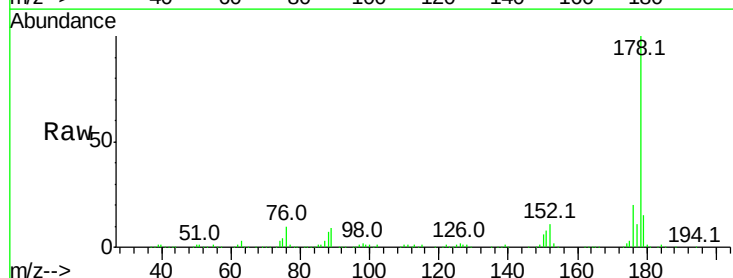
Manual Integrations
APPROVED

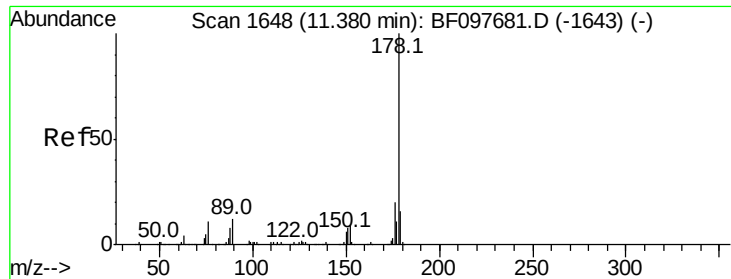
Sohil
8/18/2017 7:03:01 PM



#70
Phenanthrene
Concen: 18.028 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	16.2	24.4
179	15.4	12.6	19.0





#71

Anthracene

Concen: 4.890 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF097833.D

Acq: 18 Aug 2017 14:00

Instrument :

BNA_F

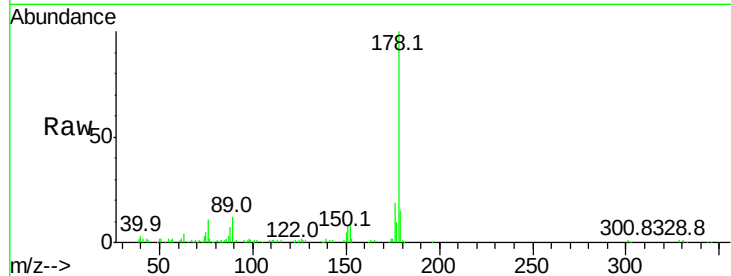
ClientSampled :

E2-K6-WSW

Tot Ion:	178	Resp:	70084
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.8
179	15.3	12.7	19.1

Manual Integrations
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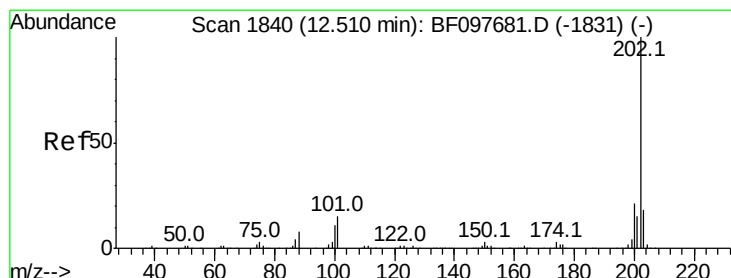
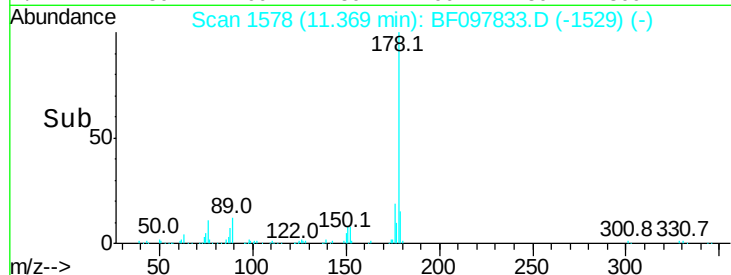
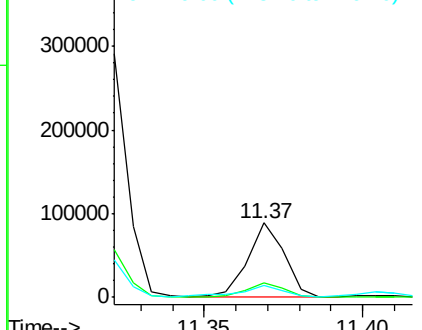
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 12.967 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097833.D

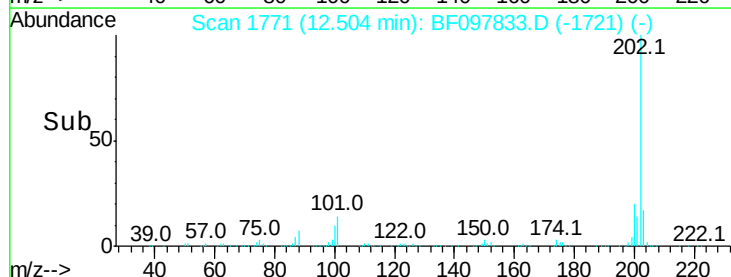
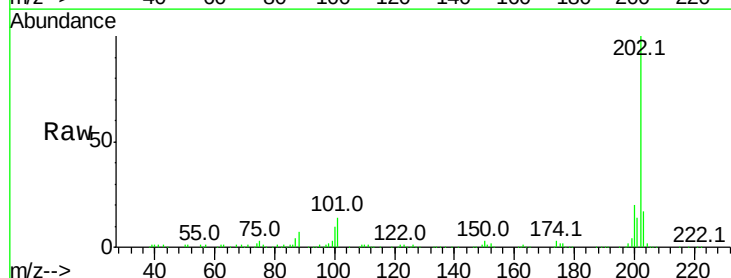
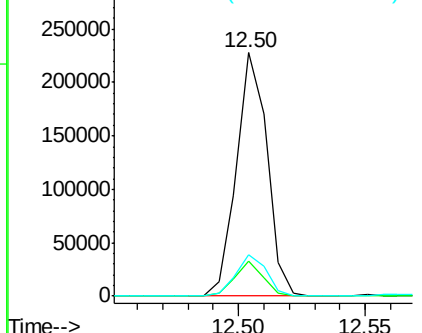
Acq: 18 Aug 2017 14:00

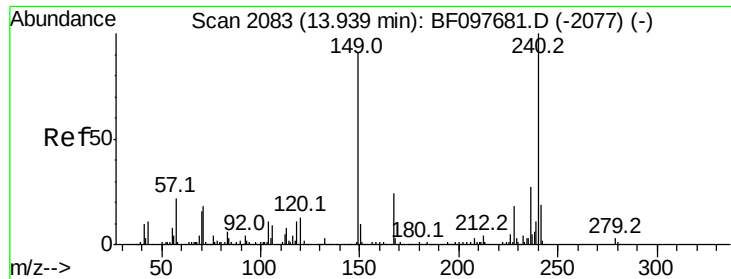
Tgt Ion:	202	Resp:	191244
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	33.2
203	17.3	0.0	38.1

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: BF097833.D

Acq: 18 Aug 2017 14:00

Instrument :

BNA_F

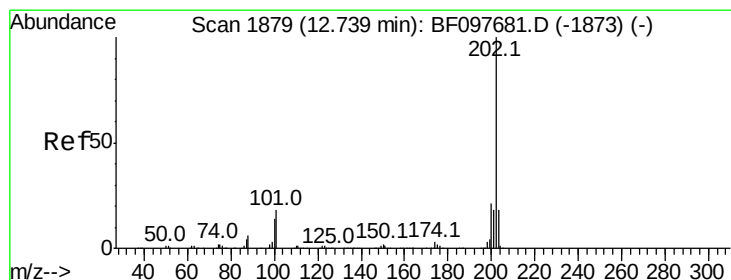
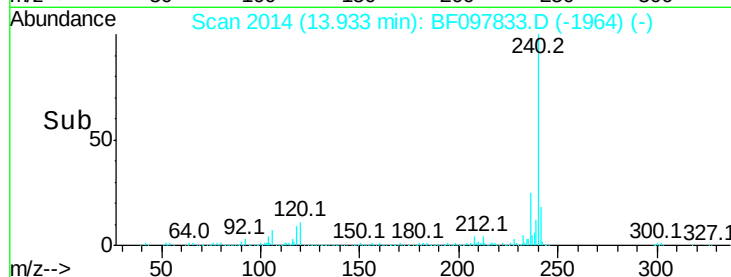
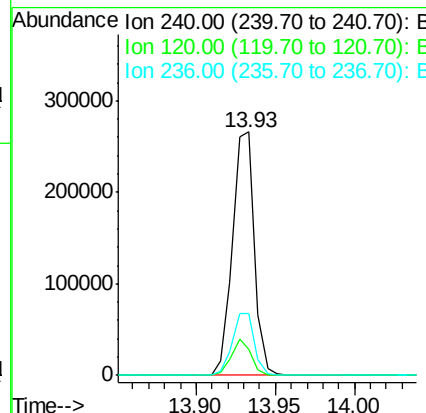
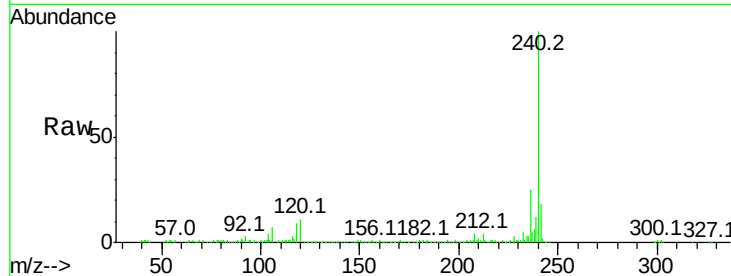
ClientSampleId :

E2-K6-WSW

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	5.8	8.8#
236	25.4	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 8.036 ng

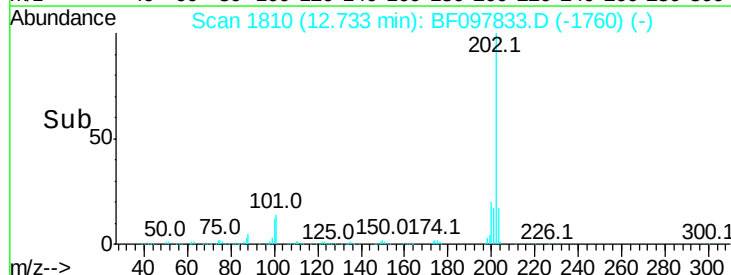
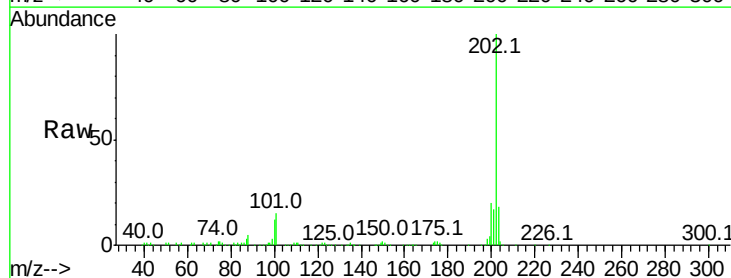
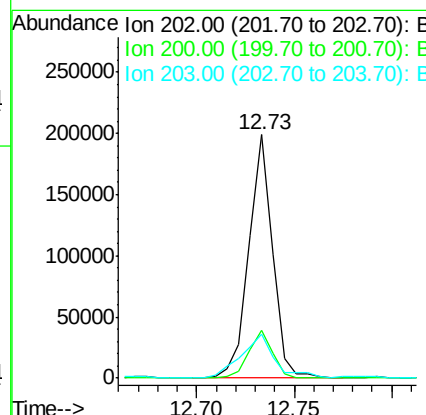
RT: 12.73 min Scan# 1810

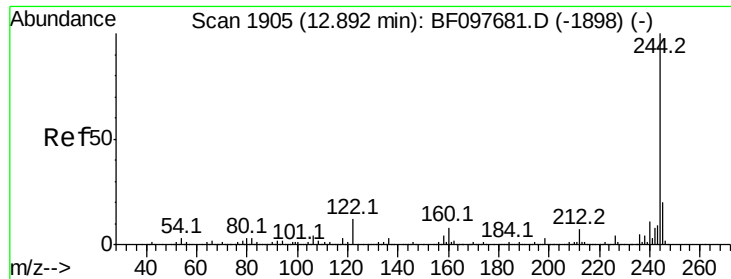
Delta R.T. -0.01 min

Lab File: BF097833.D

Acq: 18 Aug 2017 14:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.6	26.4
203	17.9	14.4	21.6





#78

Terphenyl-d14

Concen: 58.697 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097833.D

Acq: 18 Aug 2017 14:00

Instrument :

BNA_F

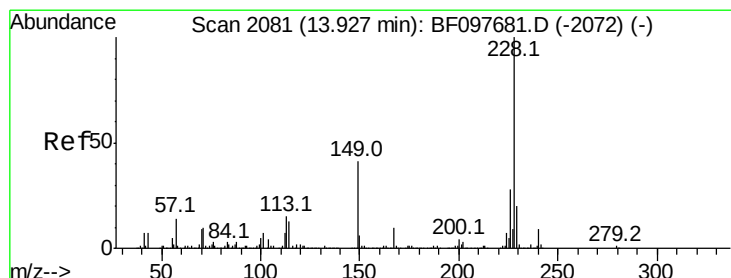
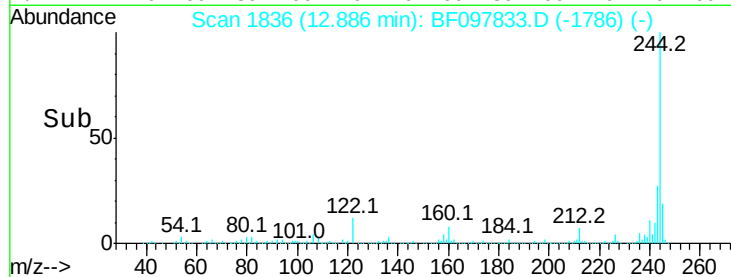
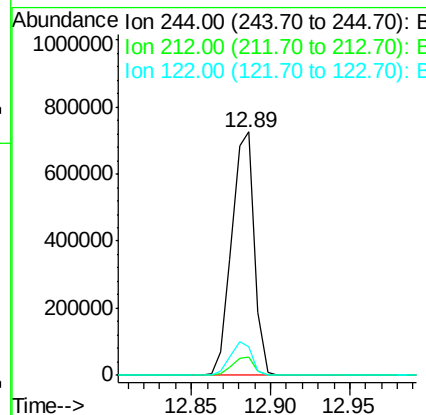
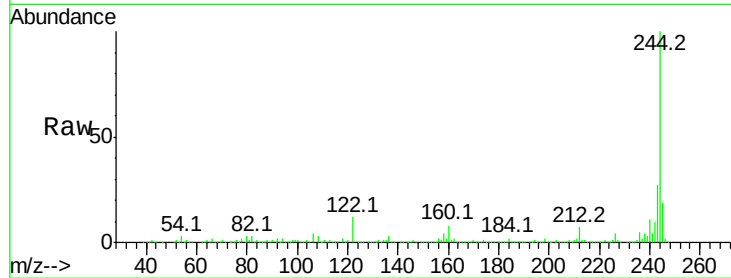
ClientSampled :

E2-K6-WSW

Tot Ion:	244	Resp:	716993
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	11.7	10.3	15.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 3.786 ng

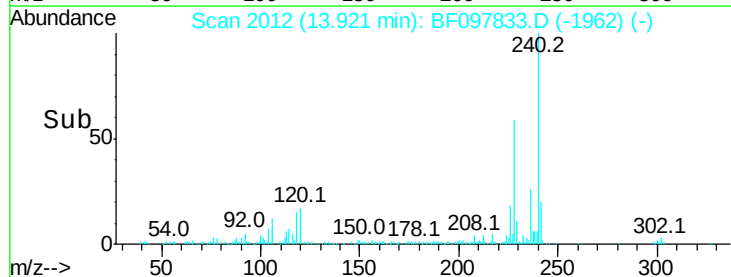
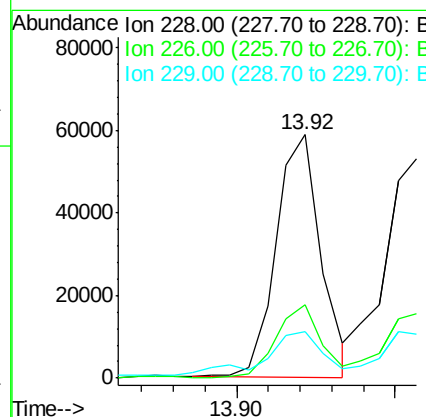
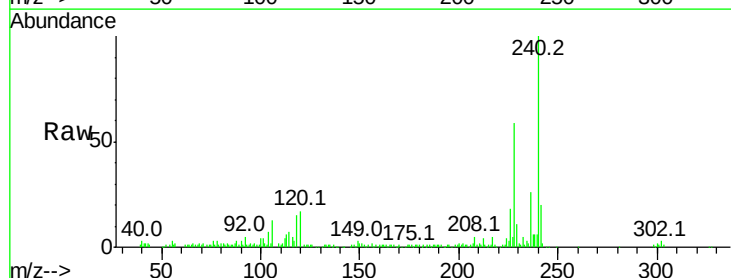
RT: 13.92 min Scan# 2012

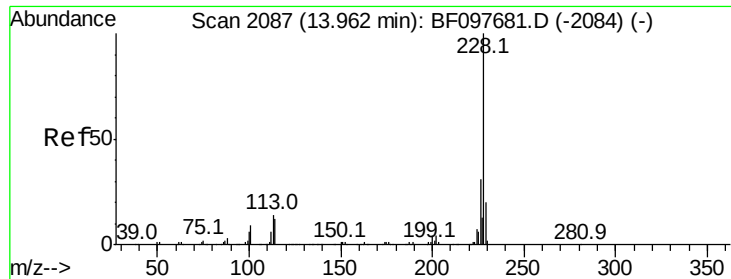
Delta R.T. -0.01 min

Lab File: BF097833.D

Acq: 18 Aug 2017 14:00

Tgt Ion:	228	Resp:	57796
Ion Ratio	Lower	Upper	
228	100		
226	30.1	22.6	33.8
229	19.2	16.3	24.5





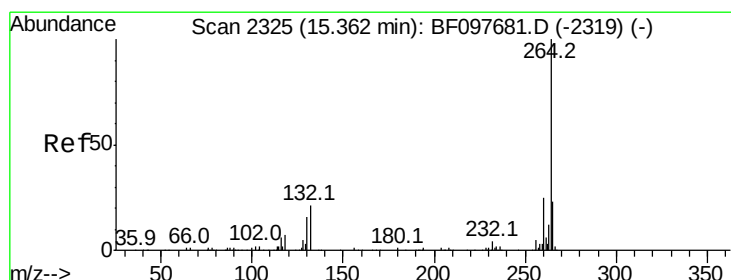
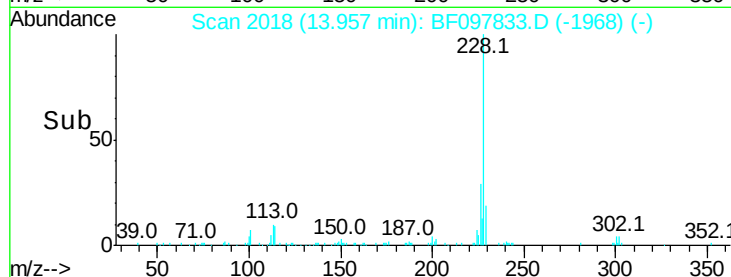
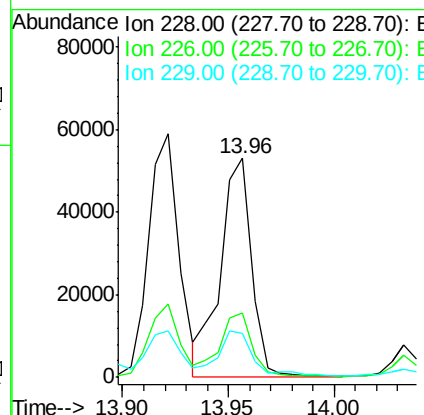
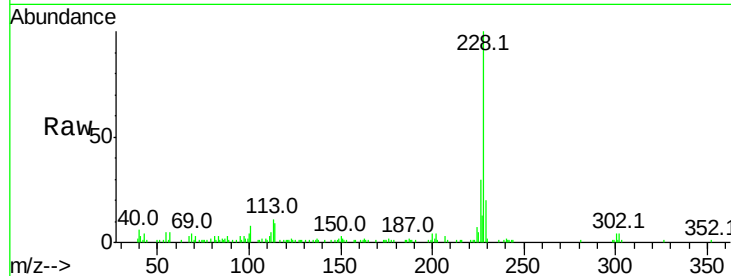
#82
Chrysene
Concen: 3.576 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Instrument :
BNA_F
ClientSampleId :
E2-K6-WSW

Tot Ion:228	Resp:	54309
Ion Ratio	Lower	Upper
228 100		
226 29.7	24.9	37.3
229 20.4	15.8	23.6

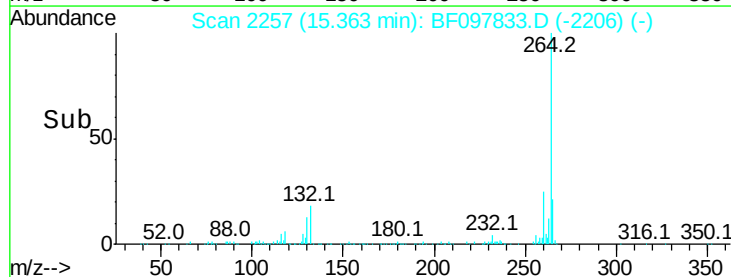
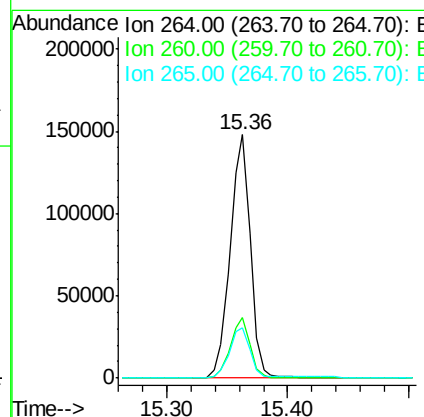
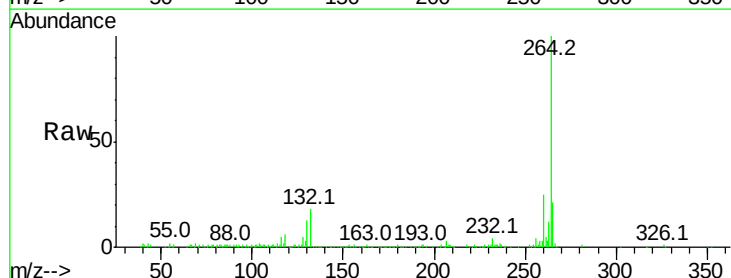
Manual Integrations
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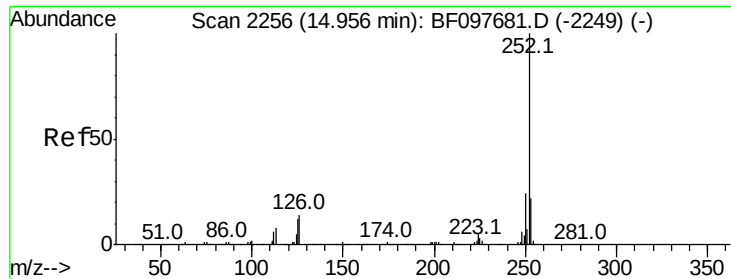
Sohil
8/18/2017 7:03:01 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Tgt Ion:264	Resp:	171810
Ion Ratio	Lower	Upper
264 100		
260 24.6	19.5	29.3
265 20.8	17.2	25.8





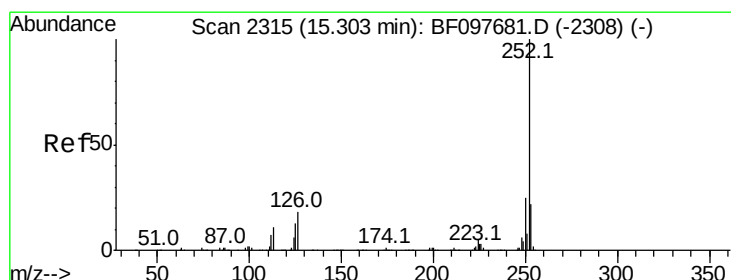
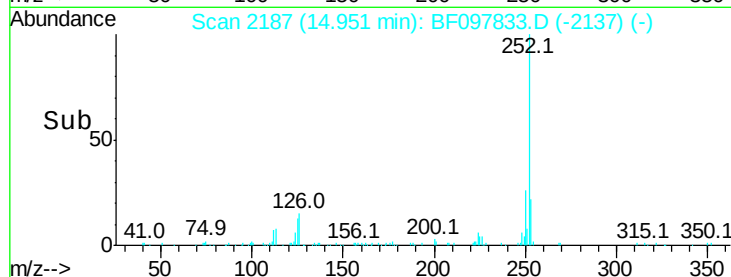
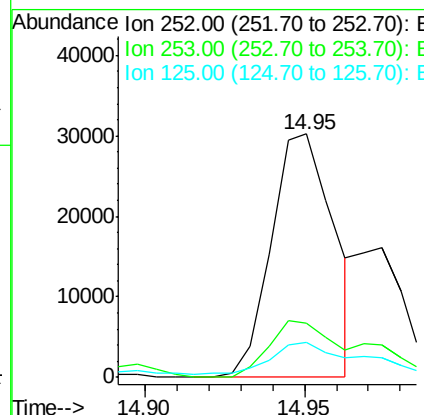
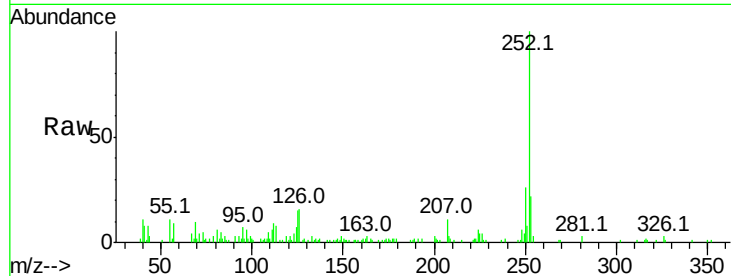
#87
Benzo(b)fluoranthene
Concen: 3.795 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Instrument :
BNA_F
ClientSampleId :
E2-K6-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	14.5	9.8	14.8

Manual Integrations
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8/18/2017 7:03:01 PM



#89
Benzo(a)pyrene
Concen: 3.126 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097833.D
Acq: 18 Aug 2017 14:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	14.6	11.0	16.4

