

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097831.D
 Acq On : 18 Aug 2017 13:03
 Operator : SJ/JU
 Sample : I4820-08
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-I8-BASE

Manual Integrations
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Quant Time: Aug 18 14:20:13 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	138087	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	492721	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	183540	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	313814	20.00	ng	0.00
75) Chrysene-d12	13.94	240	272759	20.00	ng	0.00
86) Perylene-d12	15.37	264	189620	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	912823	100.55	ng	0.00
7) Phenol-d6	6.41	99	1286630	104.31	ng	0.00
23) Nitrobenzene-d5	7.34	82	733077	80.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	165208	103.74	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	948203	75.90	ng	0.00
78) Terphenyl-d14	12.89	244	710170	54.29	ng	0.00
Target Compounds				Qvalue		
14) 1,2-Dichlorobenzene	6.95	146	34740	3.597	ng	95
31) Naphthalene	8.08	128	168560	6.590	ng	99
37) 2-Methylnaphthalene	8.77	142	147538	9.408	ng	98
45) 1,1'-Biphenyl	9.23	154	40904	2.444	ng	96
48) Acenaphthylene	9.67	152	44673	2.300	ng	# 94
49) Dimethylphthalate	9.53	163	145834	10.870	ng	# 99
51) Acenaphthene	9.85	154	104414	8.525	ng	99
54) Dibenzofuran	10.02	168	91012	5.544	ng	# 94
57) Fluorene	10.36	166	108783	8.572	ng	95
70) Phenanthrene	11.32	178	890090	53.228	ng	100
71) Anthracene	11.37	178	246118	14.511	ng	99
72) Carbazole	11.52	167	64858	4.029	ng	99
74) Fluoranthene	12.52	202	1145265	65.616	ng	100
77) Pyrene	12.74	202	1108914	49.708	ng	99
80) Benzo(a)anthracene	13.93	228	531745	32.527	ng	97
82) Chrysene	13.96	228	507264	31.193	ng	98
85) Indeno(1,2,3-cd)pyrene	16.77	276	202325m	16.913	ng	
87) Benzo(b)fluoranthene	14.96	252	496218m	41.516	ng	
88) Benzo(k)fluoranthene	14.98	252	154316m	13.742	ng	
89) Benzo(a)pyrene	15.31	252	342633	32.382	ng	98
90) Dibenzo(a,h)anthracene	16.78	278	49381	5.732	ng	93
91) Benzo(g,h,i)perylene	17.19	276	191354m	21.289	ng	

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

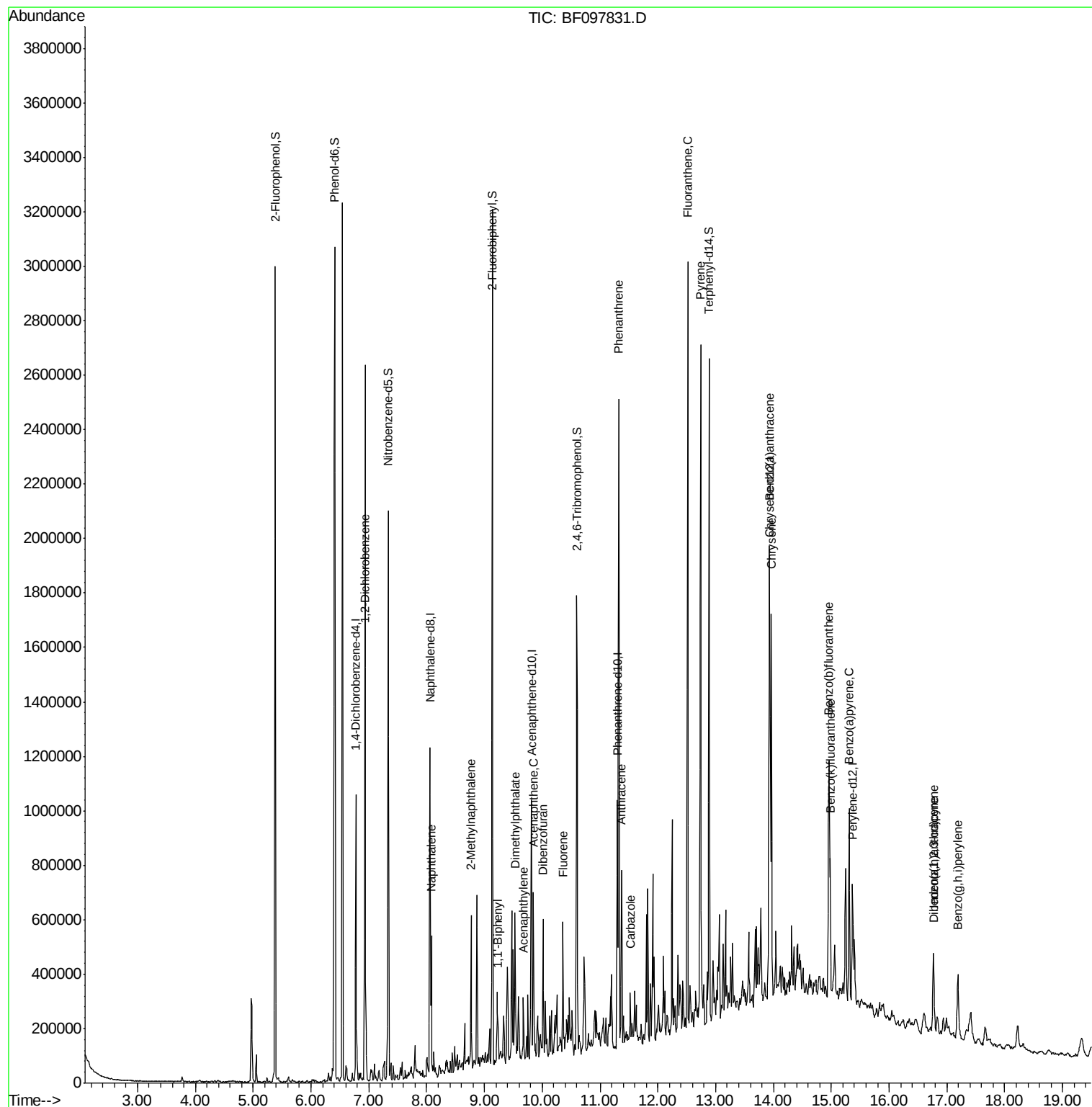
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097831.D
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Operator : SJ/JU
Sample : I4820-08
Misc :
ALS Vial : 45 Sample Multiplier: 1

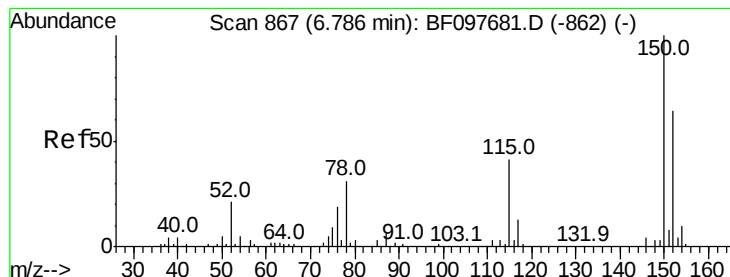
Instrument :
BNA_F
ClientSampled :
E2-I8-BASE

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Quant Time: Aug 18 14:20:13 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

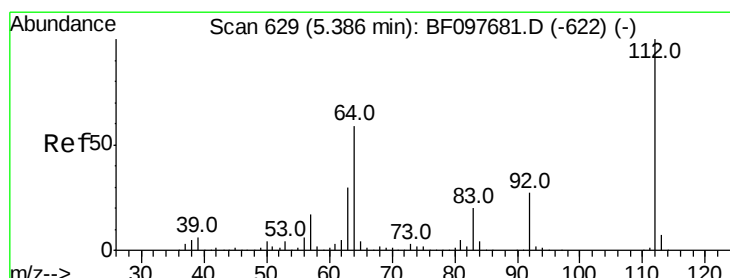
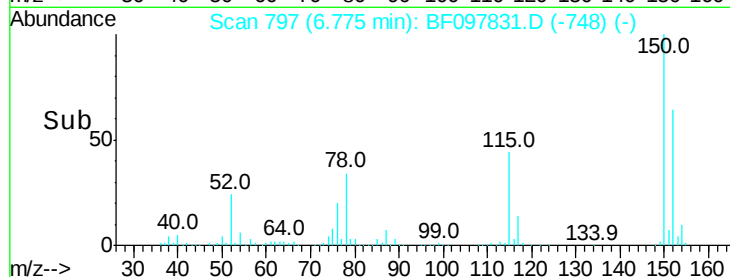
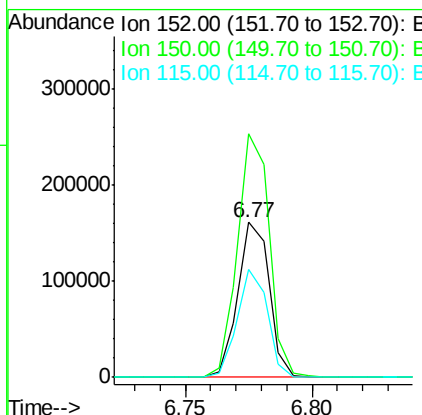
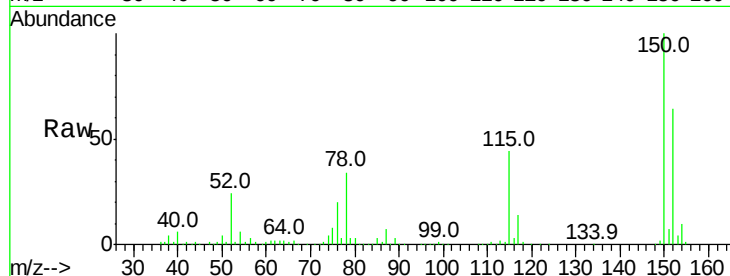
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Instrument :
BNA_F
ClientSampleId :
E2-I8-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	69.6	52.2	78.2

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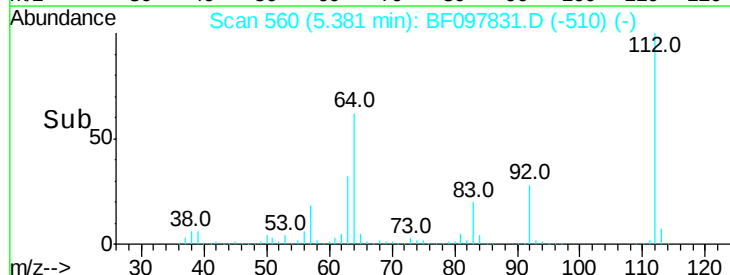
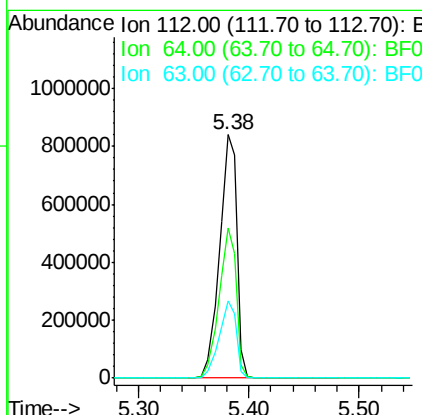
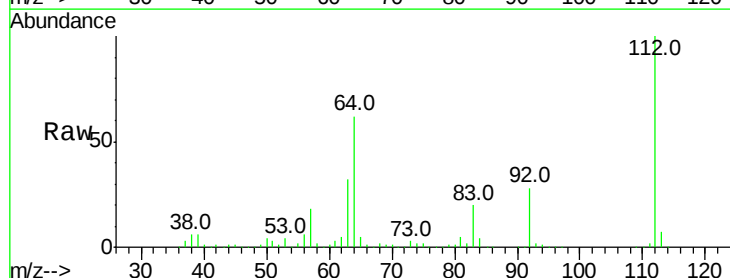
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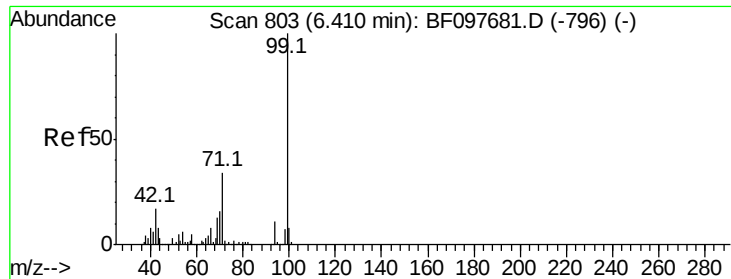


#5

2-Fluorophenol
Concen: 100.550 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	46.0	69.0
63	31.9	23.4	35.0





#7

Phenol-d6

Concen: 104.309 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Instrument :

BNA_F

ClientSampleId :

E2-I8-BASE

Tot Ion: 99 Resp: 1286630

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

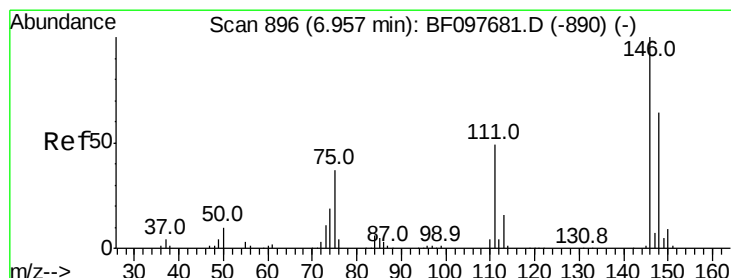
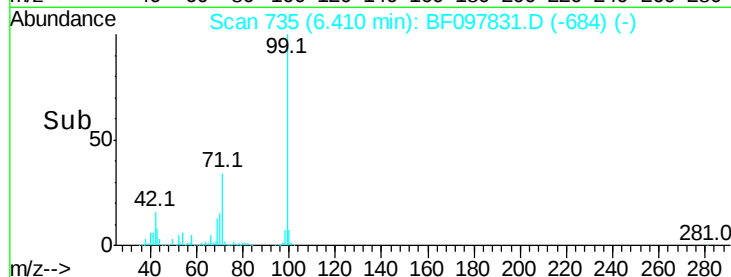
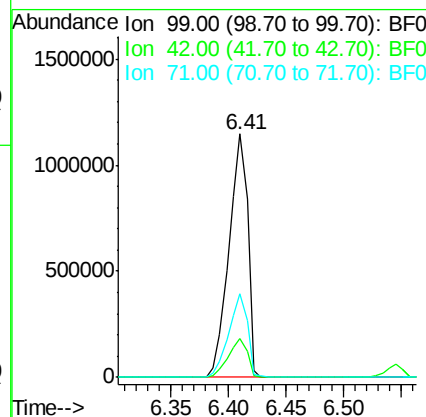
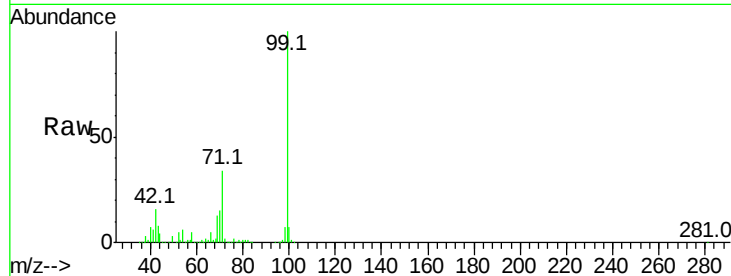
71 34.2 24.5 36.7

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#14

1,2-Dichlorobenzene

Concen: 3.597 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.01 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

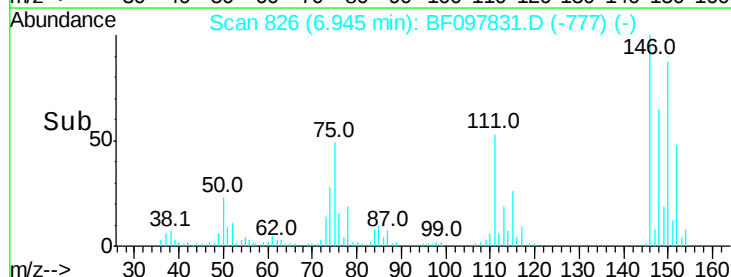
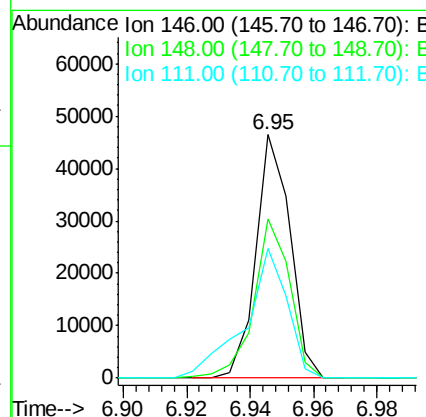
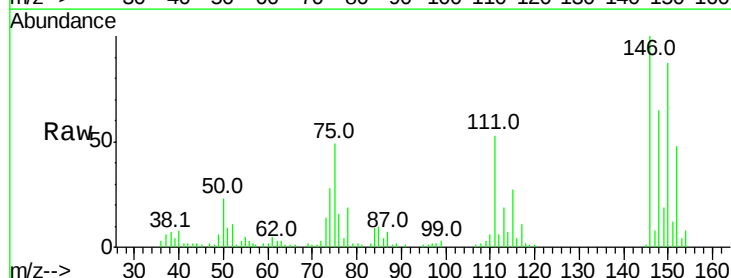
Tgt Ion: 146 Resp: 34740

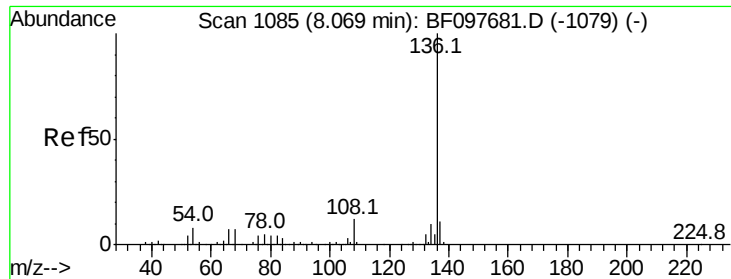
Ion Ratio Lower Upper

146 100

148 65.4 50.4 75.6

111 53.2 38.2 57.4





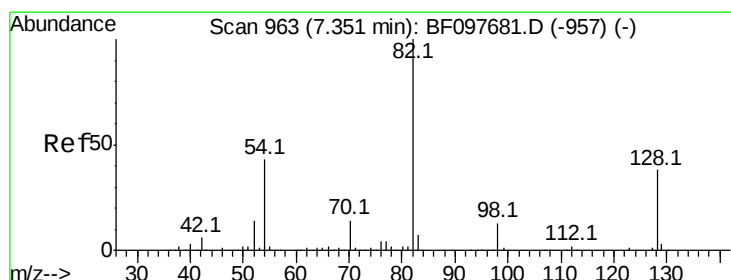
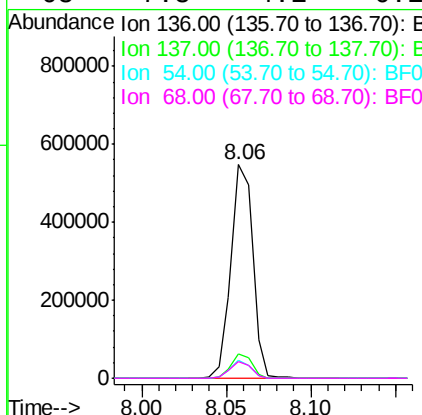
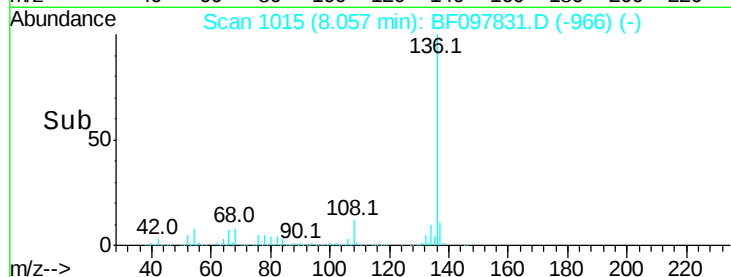
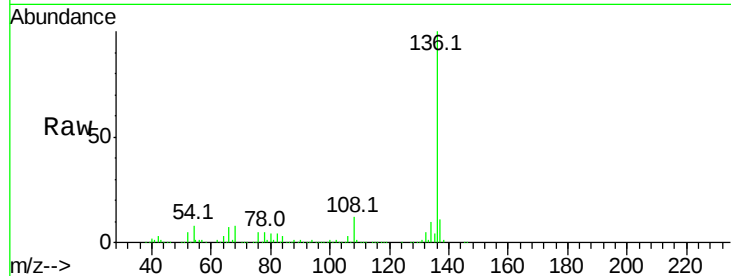
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Instrument :
BNA_F
ClientSampleId :
E2-I8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
136	100	492721		
137	11.5	8.5	12.7	
54	8.4	4.9	7.3#	
68	7.8	4.1	6.1#	

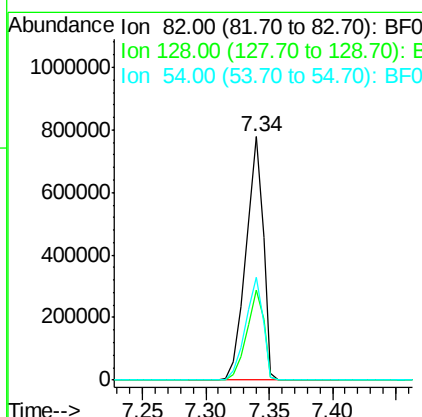
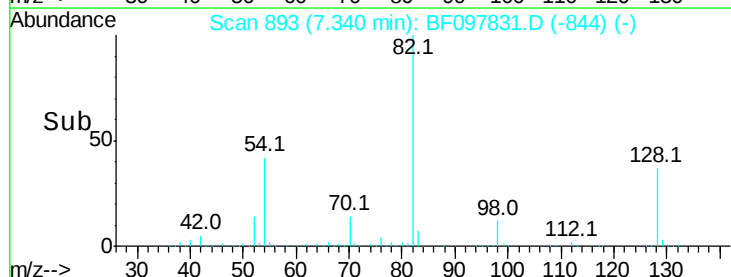
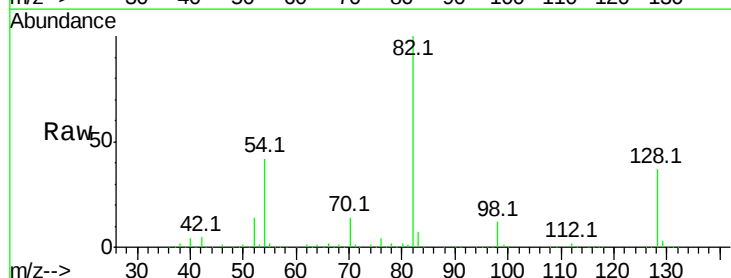
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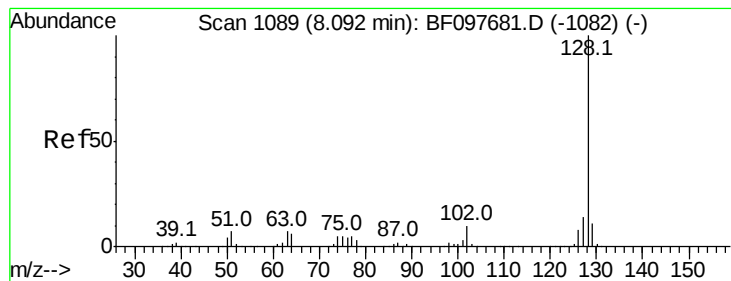
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#23
Nitrobenzene-d5
Concen: 80.825 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	733077		
128	37.1	34.0	51.0	
54	42.2	42.2	63.2#	





#31

Naphthalene

Concen: 6.590 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Instrument :

BNA_F

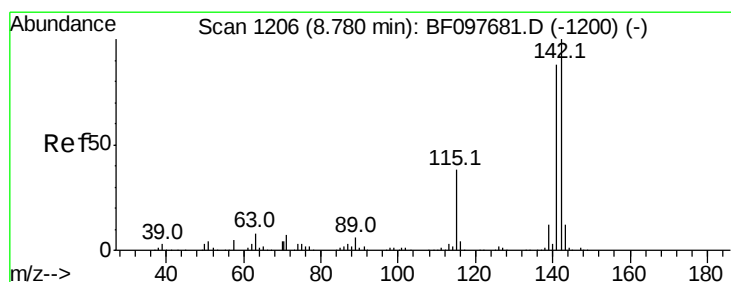
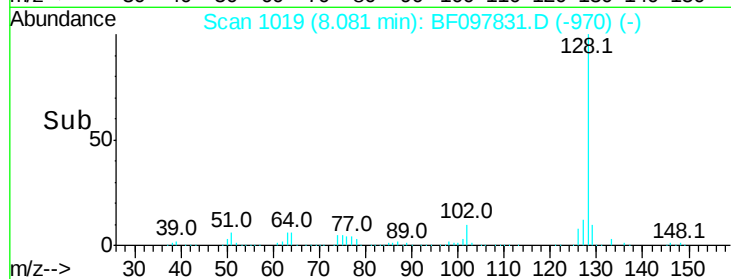
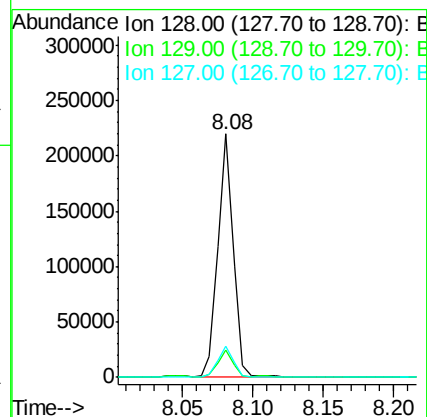
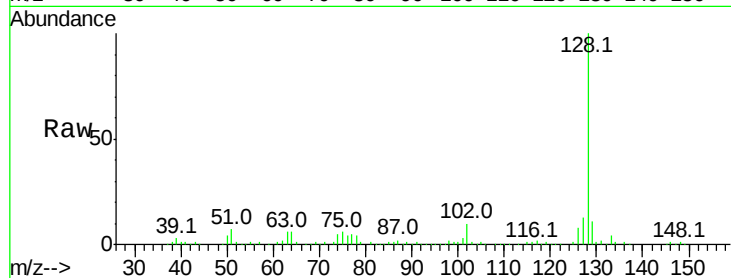
ClientSampleId :

E2-I8-BASE

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	12.6	10.8	16.2

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#37

2-Methylnaphthalene

Concen: 9.408 ng

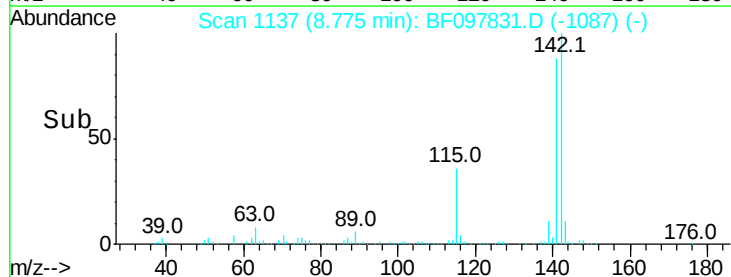
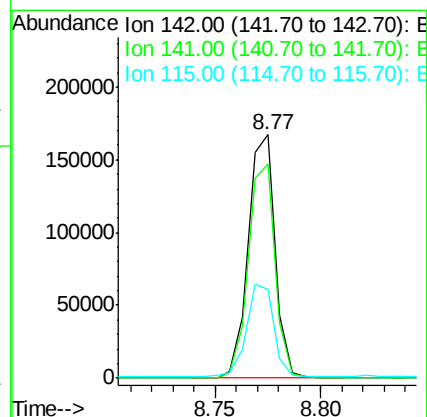
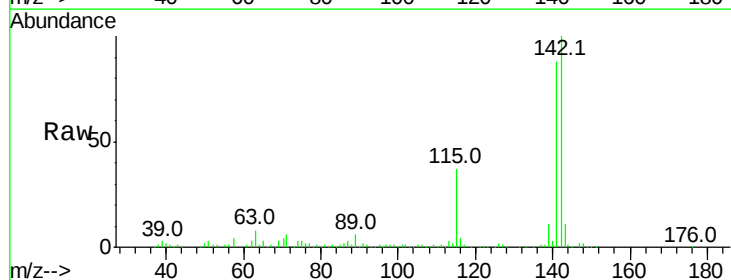
RT: 8.77 min Scan# 1137

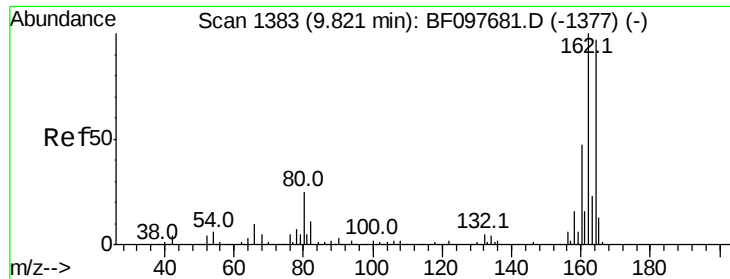
Delta R.T. -0.01 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.3	106.9
115	36.7	27.1	40.7





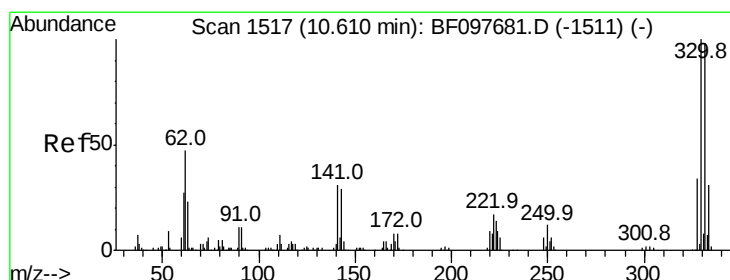
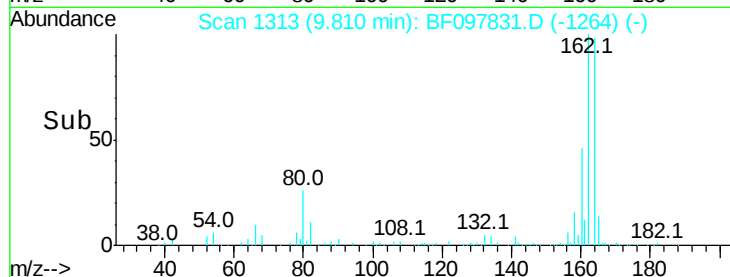
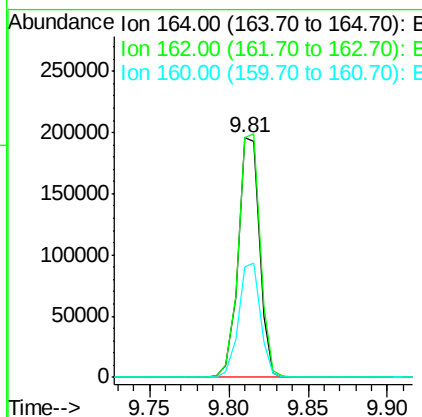
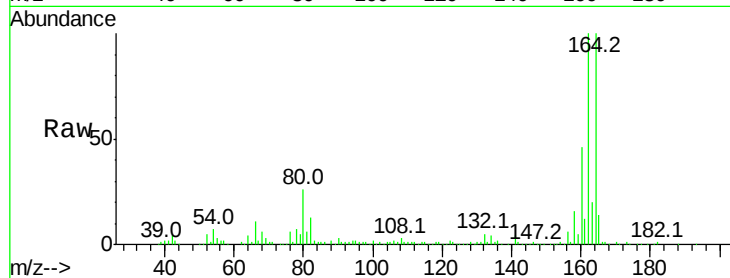
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Instrument :
BNA_F
ClientSampled :
E2-I8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	183540		
162	100.1	82.6	123.8	
160	46.3	36.2	54.2	

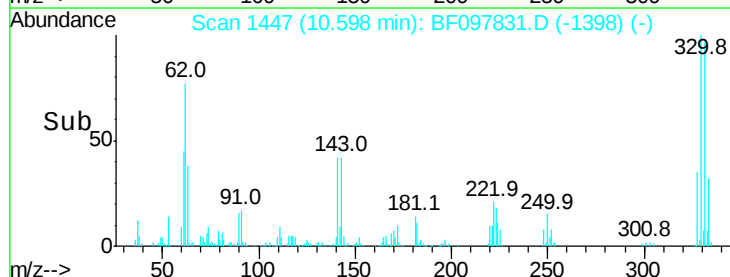
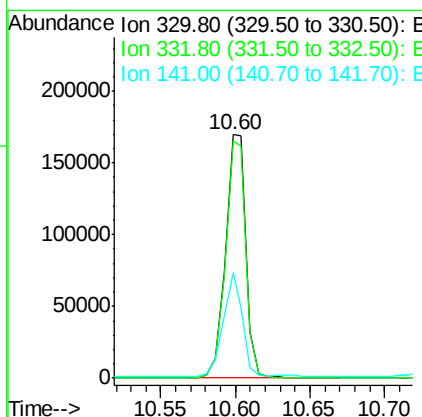
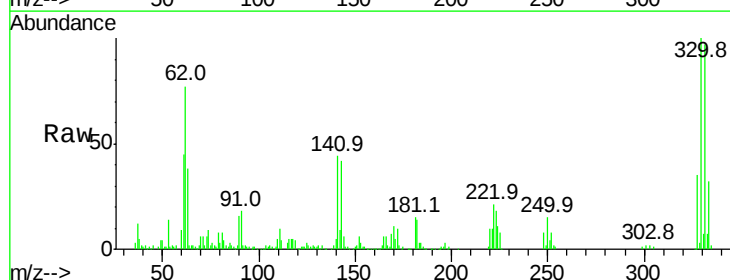
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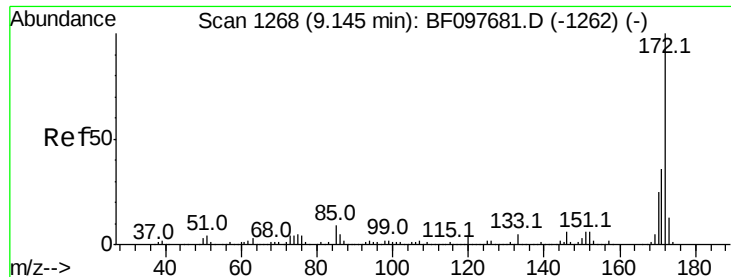
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#41
2,4,6-Tribromophenol
Concen: 103.741 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	165208		
332	96.6	76.6	115.0	
141	39.8	31.4	47.2	





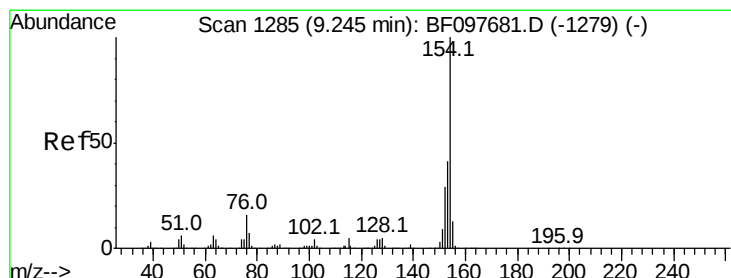
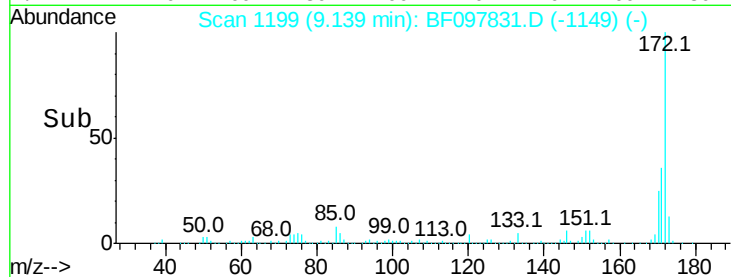
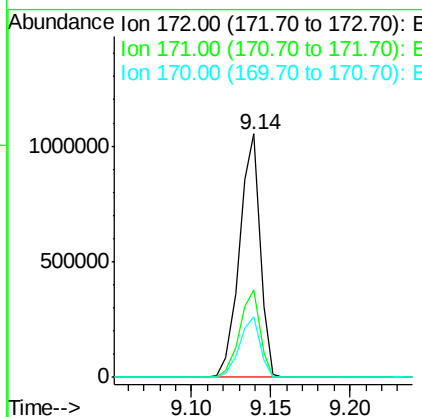
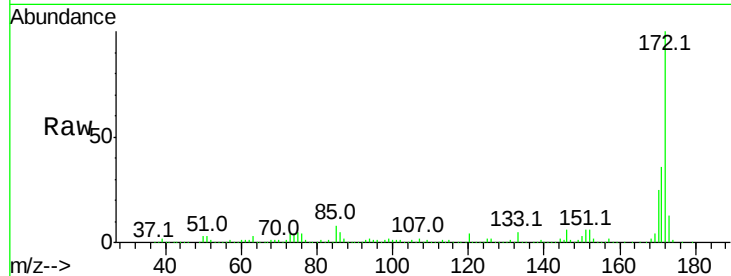
#44
 2-Fluorobiphenyl
 Concen: 75.902 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097831.D
 Acq: 18 Aug 2017 13:03

Instrument :
 BNA_F
 ClientSampled :
 E2-I8-BASE

Tot Ion:	172	Resp:	948203
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.6	44.4
170	24.7	19.8	29.8

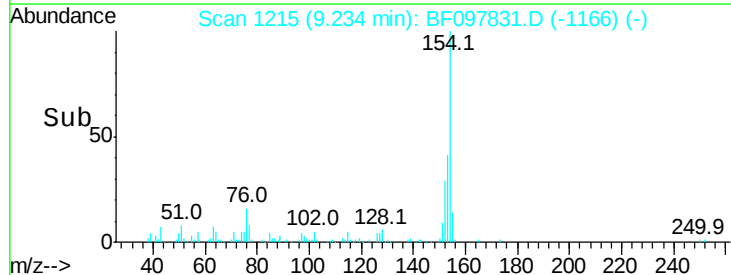
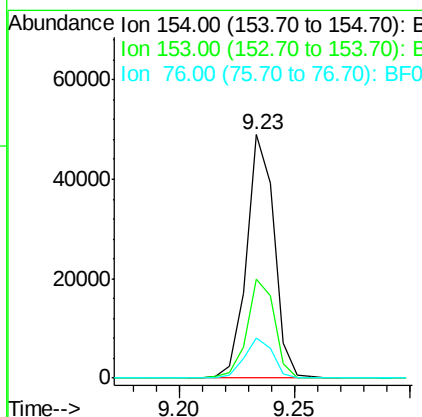
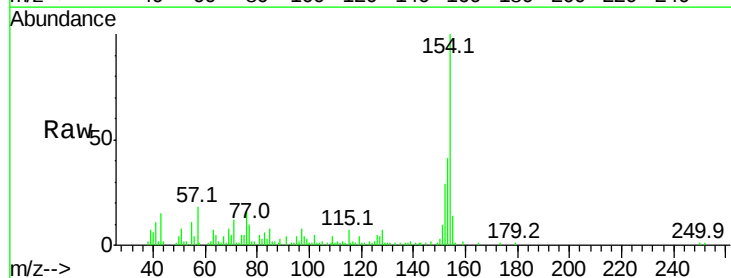
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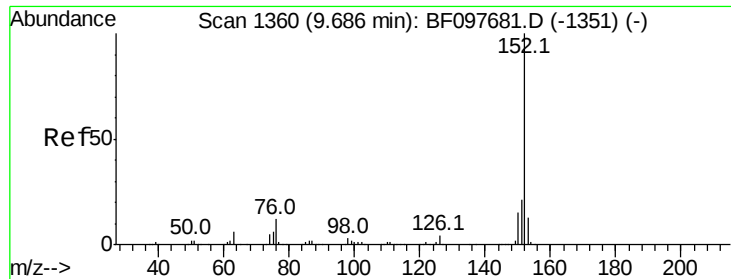
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#45
 1,1'-Biphenyl
 Concen: 2.444 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF097831.D
 Acq: 18 Aug 2017 13:03

Tgt Ion:	154	Resp:	40904
Ion Ratio	Lower	Upper	
154	100		
153	40.6	21.2	61.2
76	16.3	0.0	29.9





#48

Acenaphthylene

Concen: 2.300 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Instrument :

BNA_F

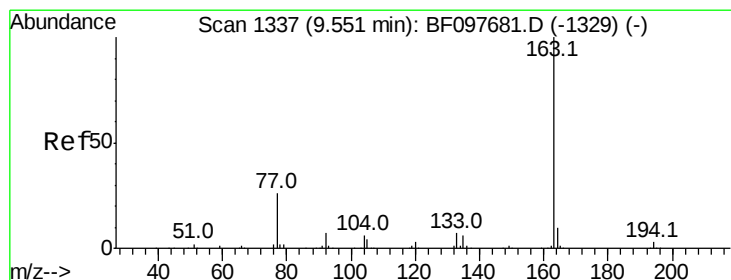
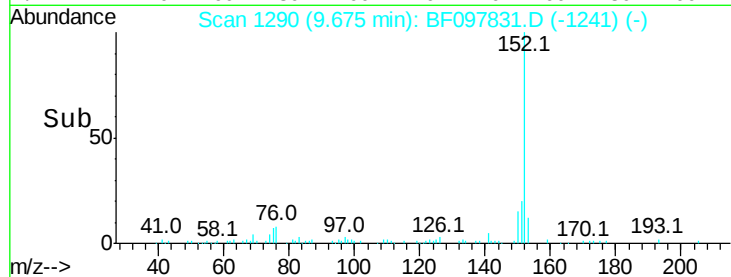
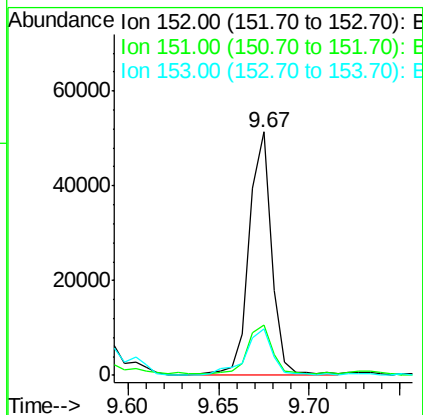
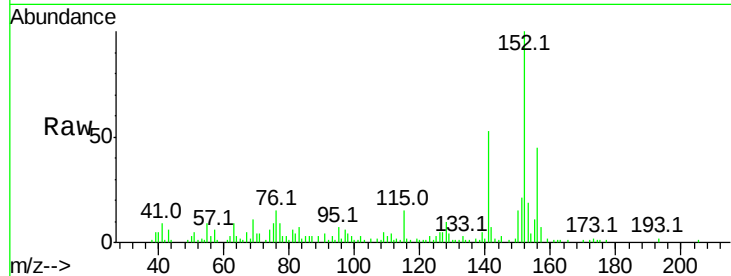
ClientSampleId :

E2-I8-BASE

Tot Ion:	152	Resp:	44673
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.8	25.2
153	19.1	10.8	16.2#

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#49

Dimethylphthalate

Concen: 10.870 ng

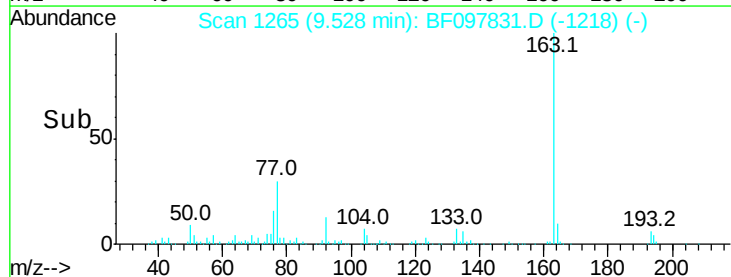
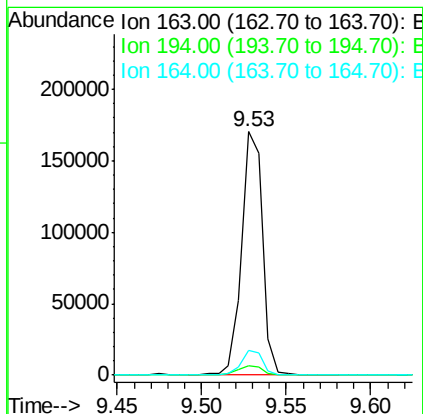
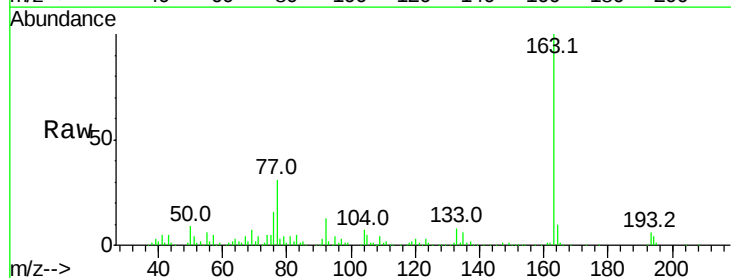
RT: 9.53 min Scan# 1265

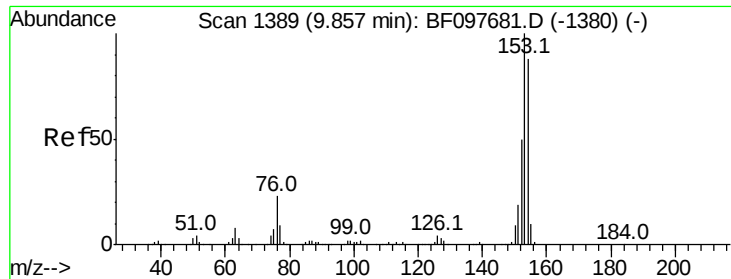
Delta R.T. -0.02 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Tgt Ion:	163	Resp:	145834
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.6	4.0#
164	10.2	8.4	12.6





#51

Acenaphthene

Concen: 8.525 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Instrument :

BNA_F

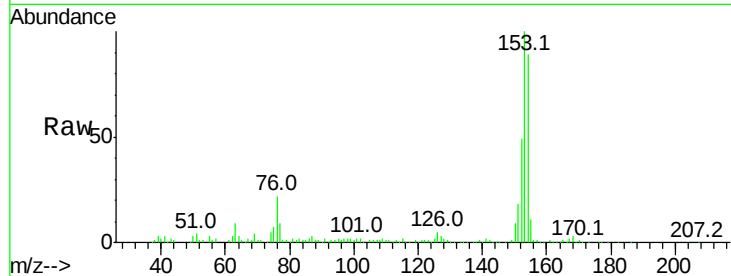
ClientSampleId :

E2-I8-BASE

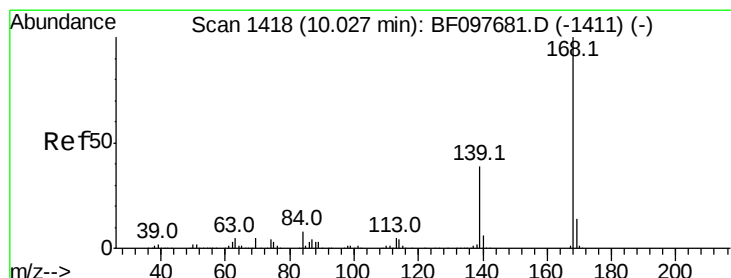
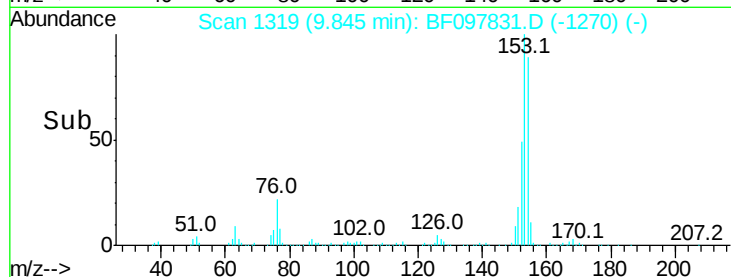
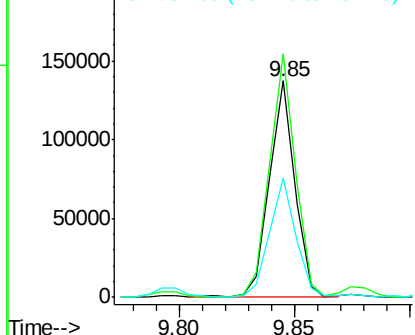
Tot Ion:	154	Resp:	104414
Ion Ratio	Lower	Upper	
154	100		
153	112.6	90.5	135.7
152	55.0	43.6	65.4

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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

Dibenzofuran

Concen: 5.544 ng

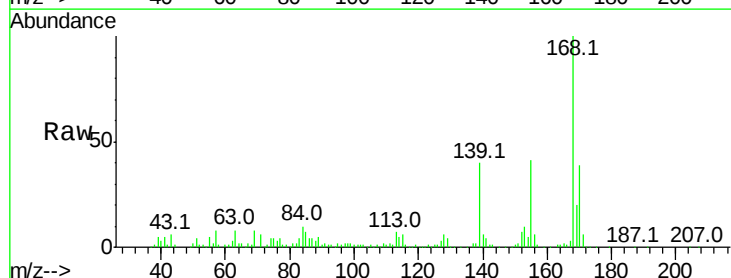
RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

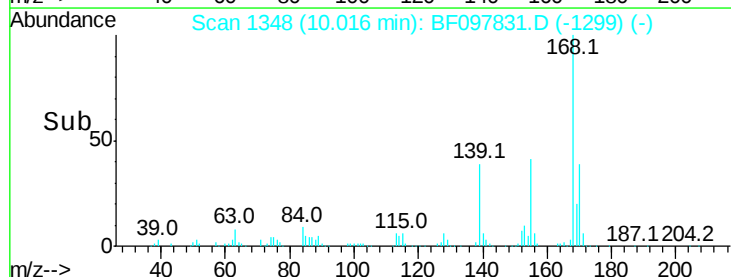
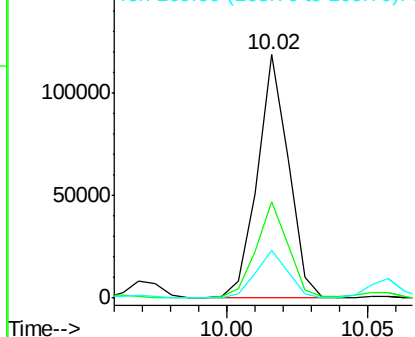
Lab File: BF097831.D

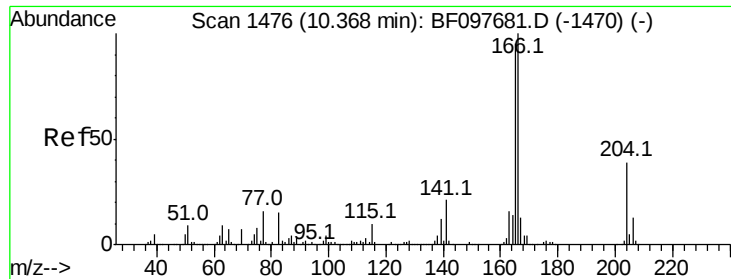
Acq: 18 Aug 2017 13:03

Tgt Ion:	168	Resp:	91012
Ion Ratio	Lower	Upper	
168	100		
139	39.5	30.6	45.8
169	19.5	10.8	16.2#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





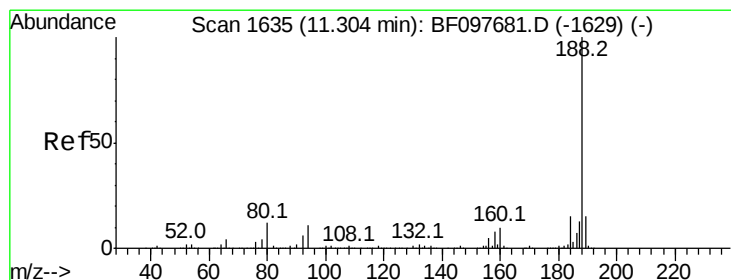
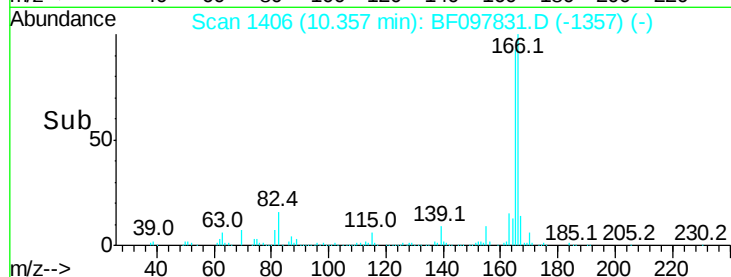
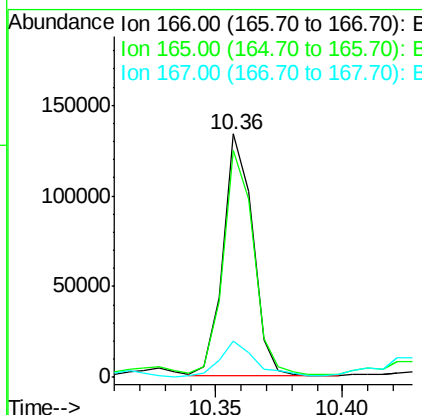
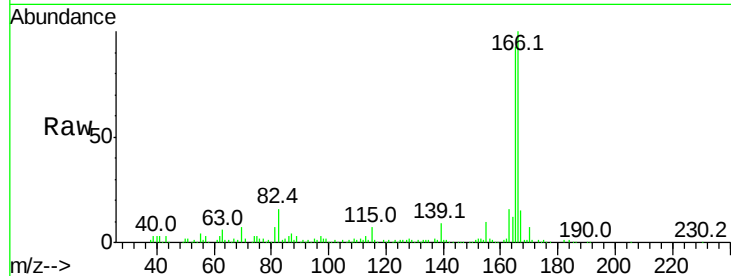
#57
Fluorene
 Concen: 8.572 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF097831.D
 Acq: 18 Aug 2017 13:03

Instrument :
 BNA_F
 ClientSampleId :
 E2-I8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	93.2	78.8	118.2	
167	14.7	10.6	16.0	

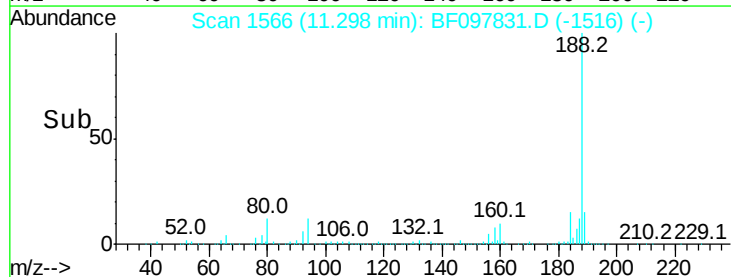
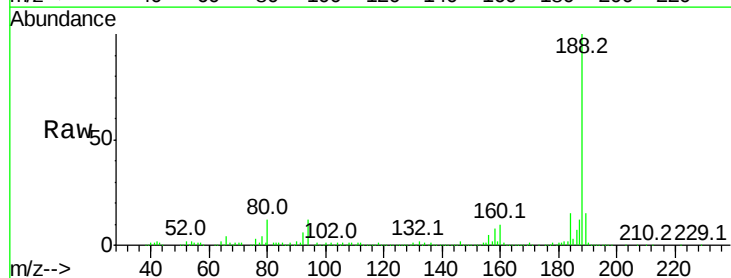
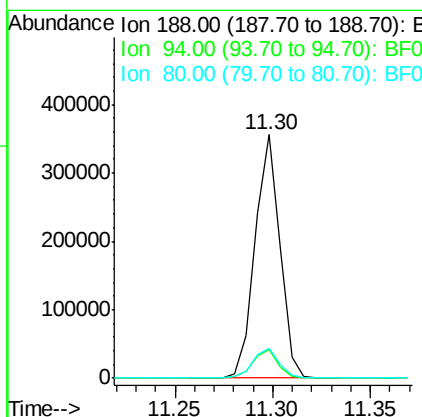
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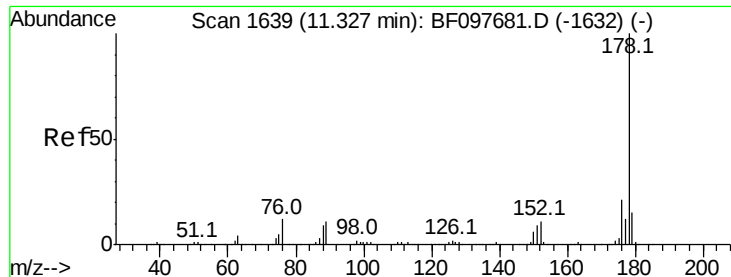
Sohil
 8/18/2017 7:02:56 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097831.D
 Acq: 18 Aug 2017 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.8	9.4	14.2	
80	12.1	10.2	15.2	





#70

Phenanthrene

Concen: 53.228 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Instrument :

BNA_F

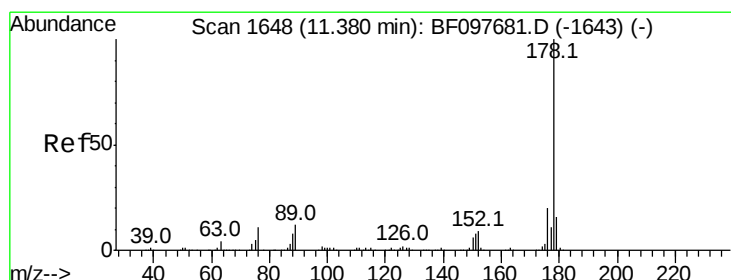
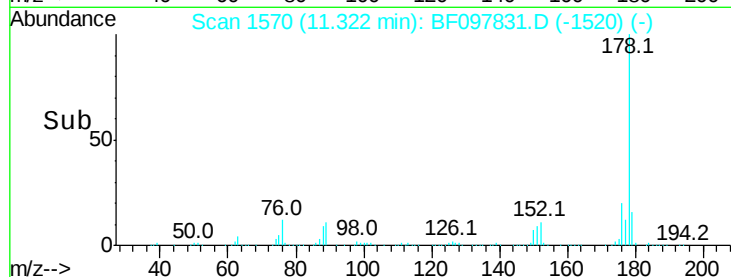
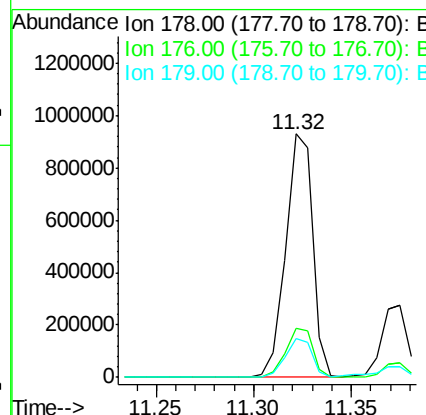
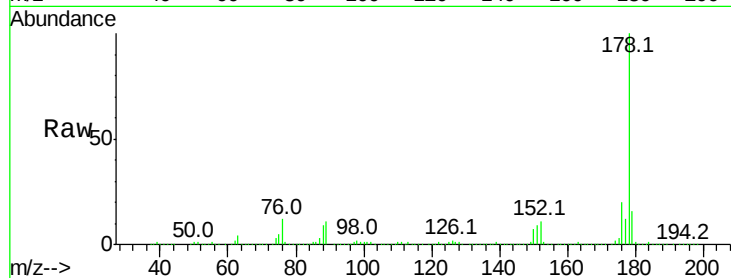
ClientSampleId :

E2-I8-BASE

Tot Ion:178	Resp:	890090
Ion Ratio	Lower	Upper
178	100	
176	20.3	16.2 24.4
179	16.1	12.6 19.0

Manual Integrations
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#71

Anthracene

Concen: 14.511 ng

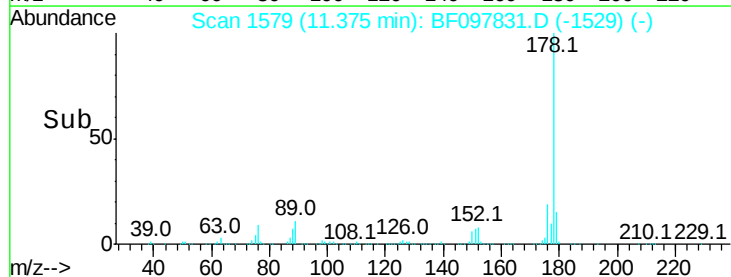
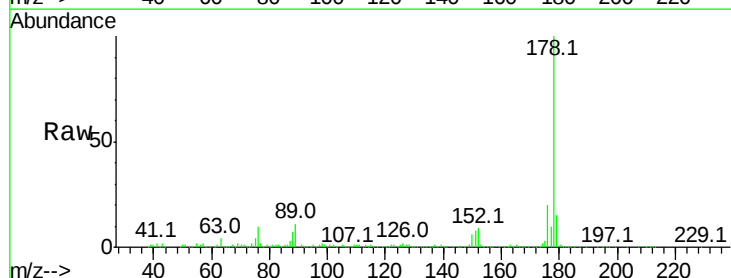
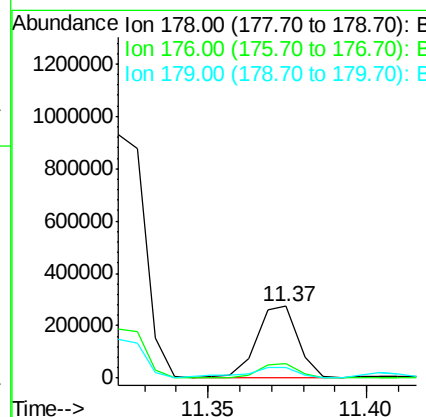
RT: 11.37 min Scan# 1579

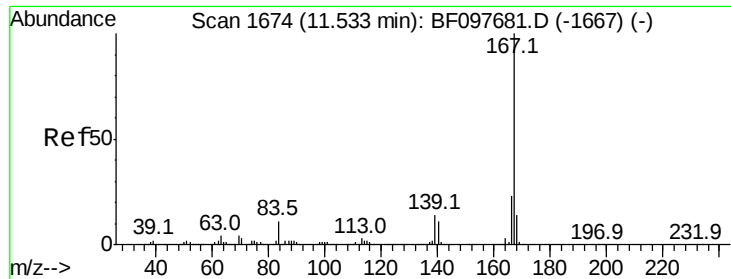
Delta R.T. -0.01 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Tgt Ion:178	Resp:	246118
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.8 23.8
179	15.3	12.7 19.1





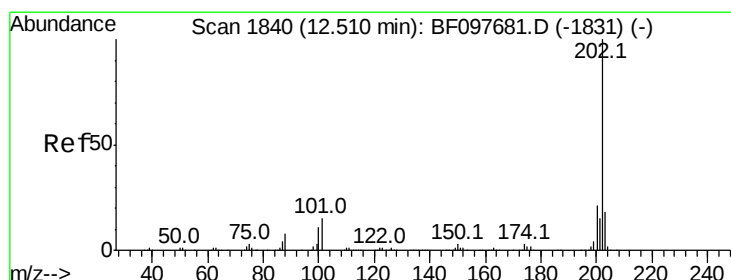
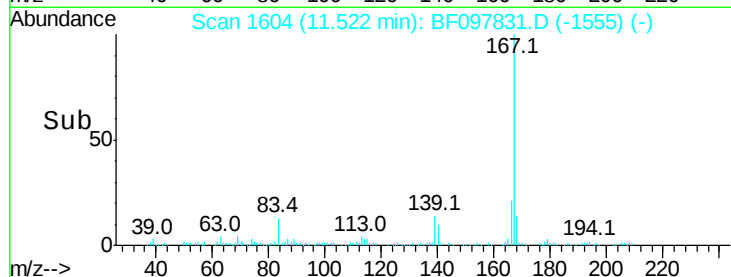
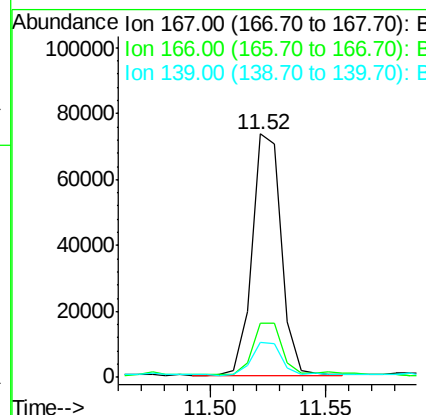
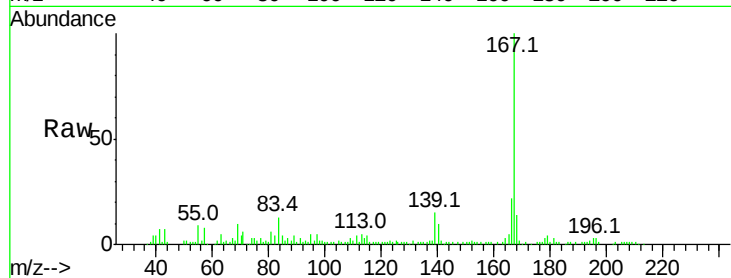
#72
 Carbazole
 Concen: 4.029 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF097831.D
 Acq: 18 Aug 2017 13:03

Instrument :
 BNA_F
 ClientSampleId :
 E2-I8-BASE

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.1	27.1
139	14.5	11.7	17.5

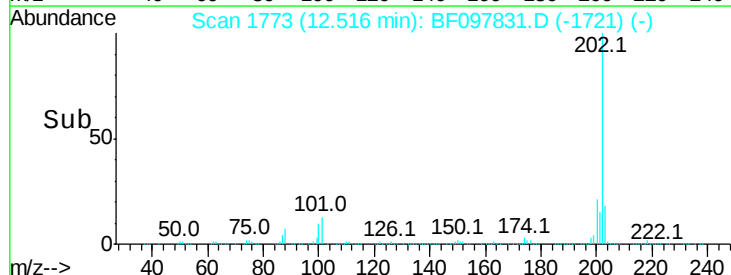
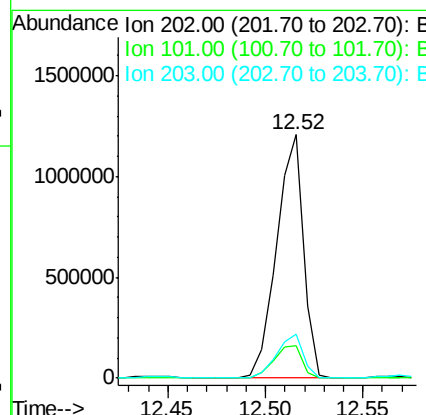
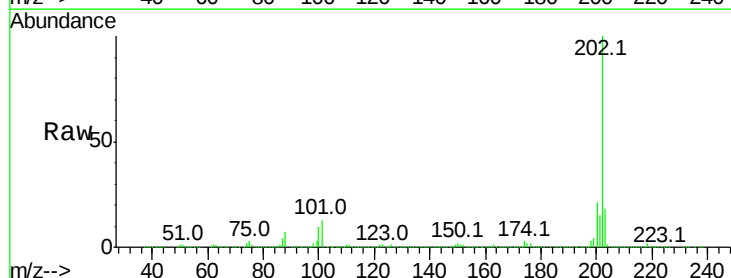
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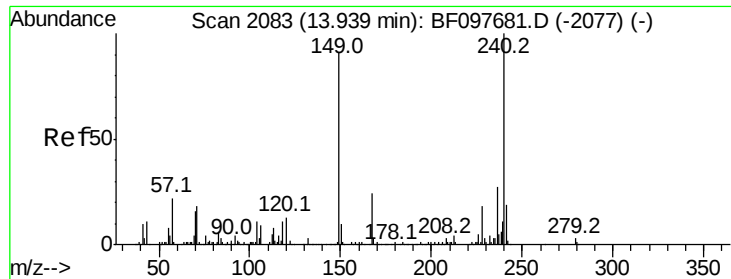
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#74
 Fluoranthene
 Concen: 65.616 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BF097831.D
 Acq: 18 Aug 2017 13:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Instrument :

BNA_F

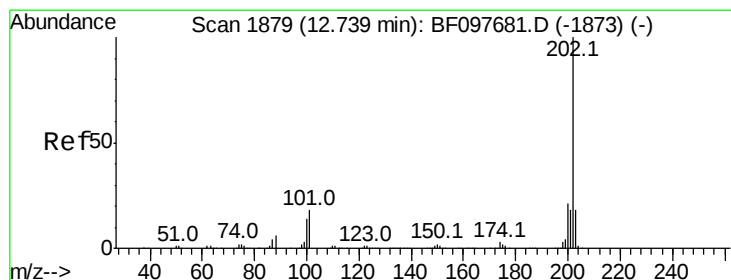
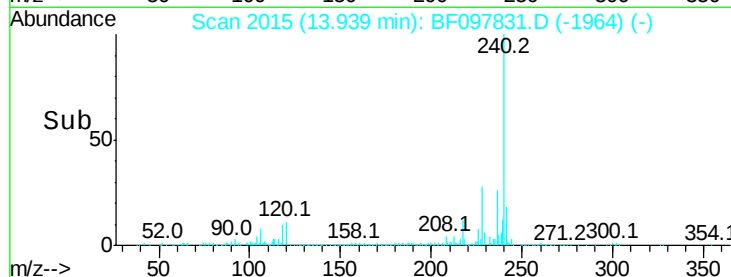
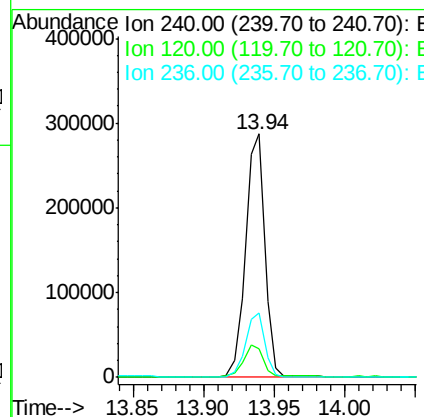
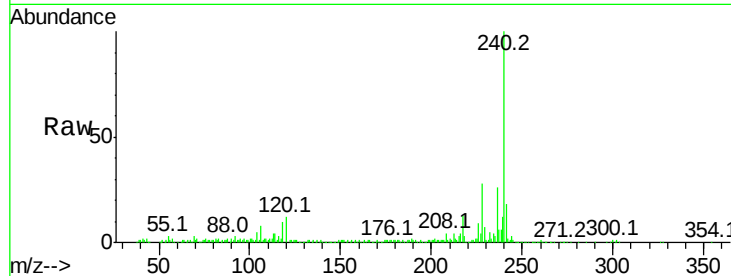
ClientSampleId :

E2-I8-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	5.8	8.8#
236	26.5	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 49.708 ng

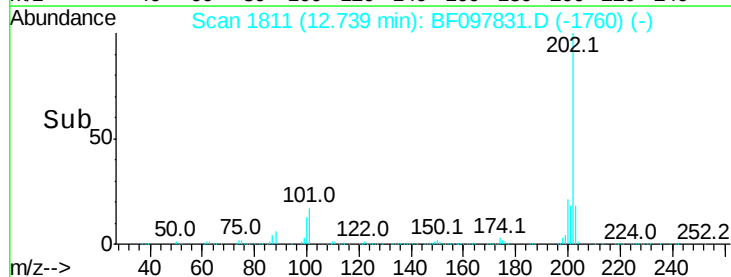
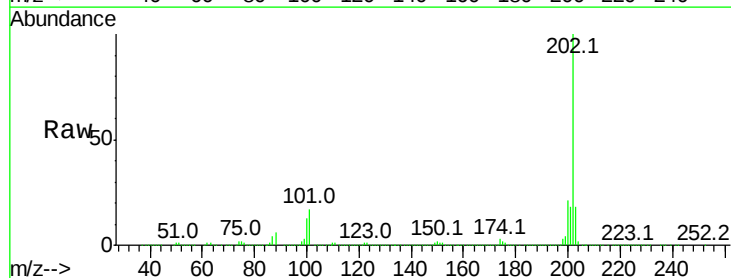
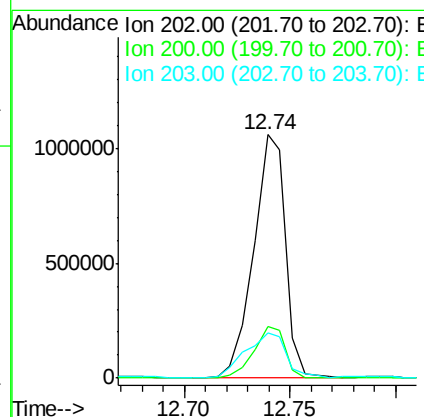
RT: 12.74 min Scan# 1811

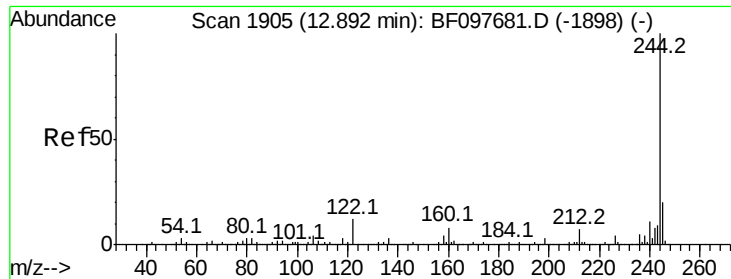
Delta R.T. 0.00 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	18.5	14.4	21.6





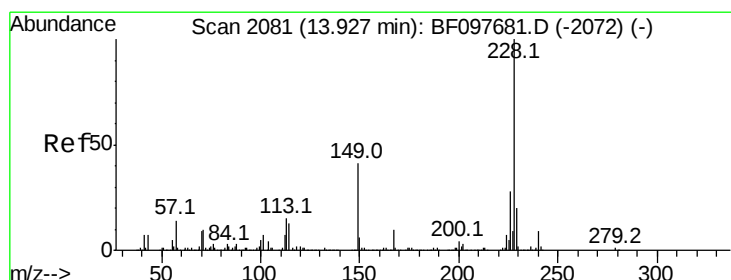
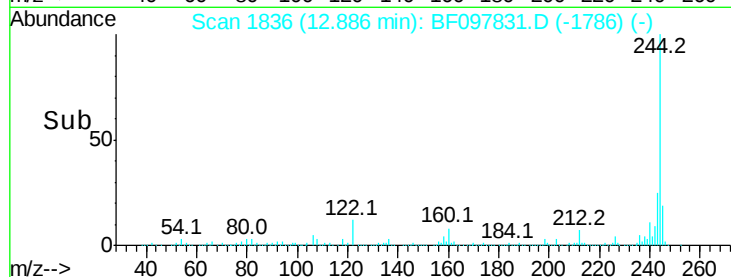
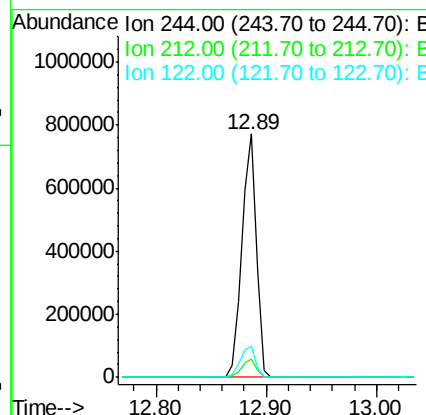
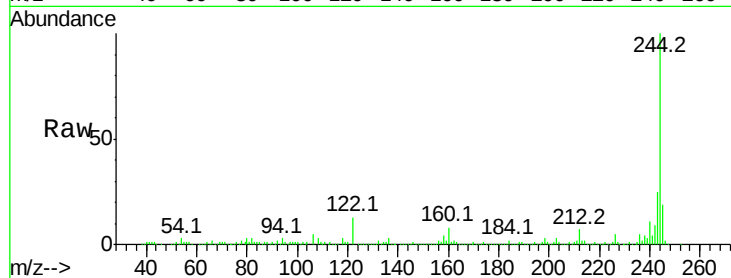
#78
 Terphenyl-d14
 Concen: 54.295 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BF097831.D
 Acq: 18 Aug 2017 13:03

Instrument :
 BNA_F
 ClientSampled :
 E2-I8-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	12.5	10.3	15.5

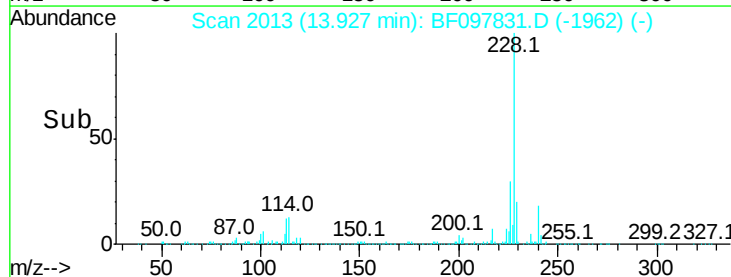
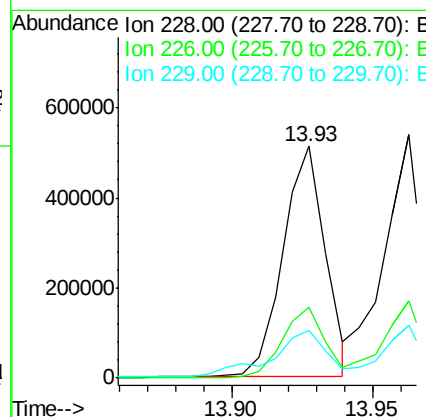
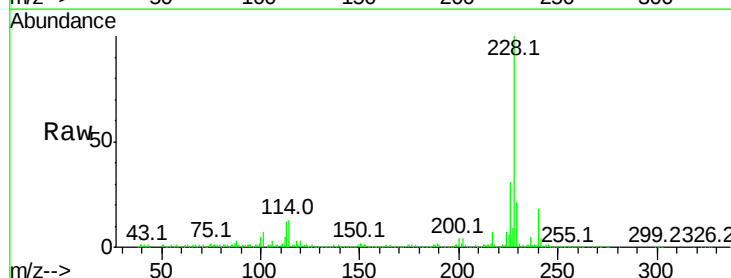
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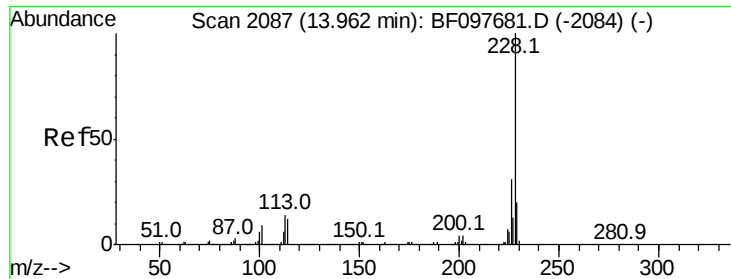
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#80
 Benzo(a)anthracene
 Concen: 32.527 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF097831.D
 Acq: 18 Aug 2017 13:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	20.8	16.3	24.5





#82

Chrysene

Concen: 31.193 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Instrument :

BNA_F

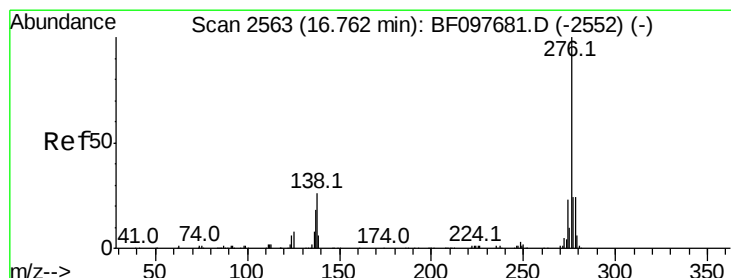
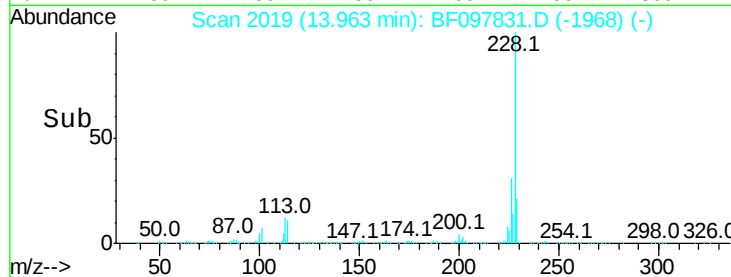
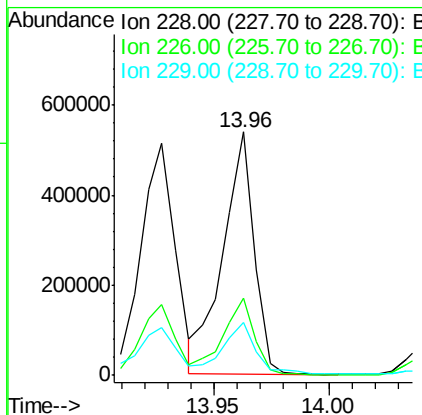
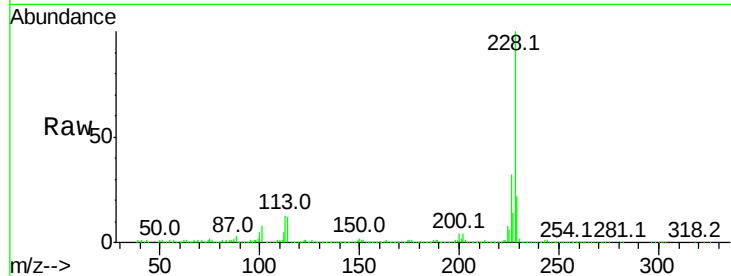
ClientSampleId :

E2-I8-BASE

Tot Ion:	228	Resp:	507264
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.9	37.3
229	21.7	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 16.913 ng m

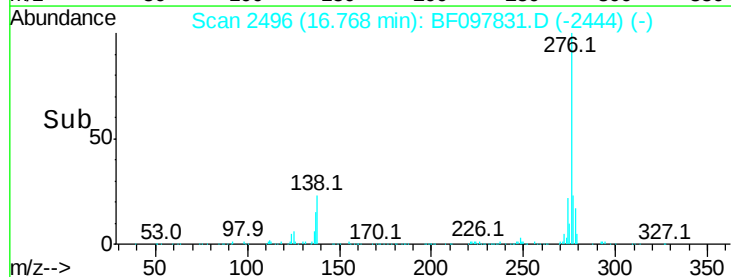
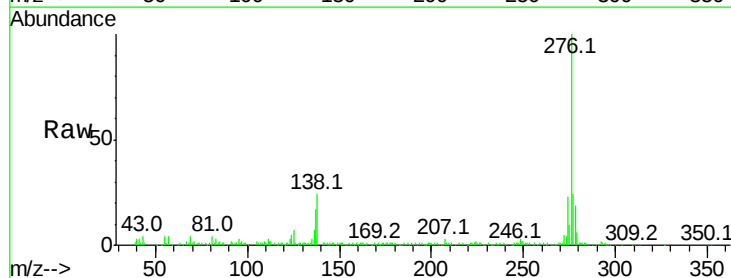
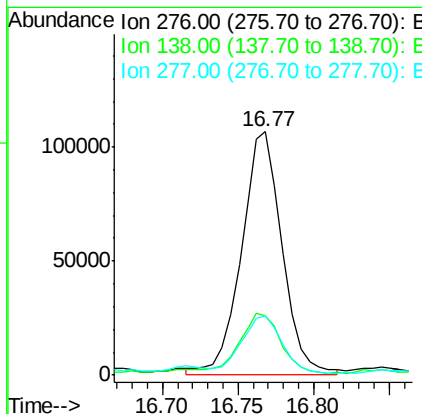
RT: 16.77 min Scan# 2496

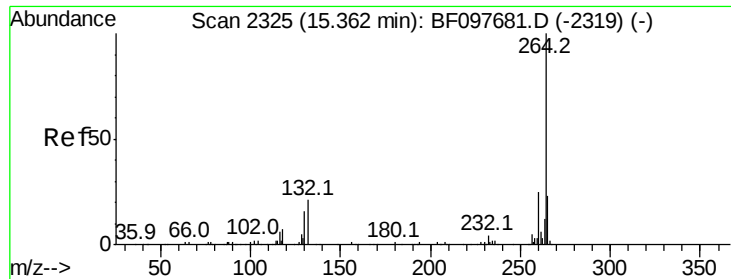
Delta R.T. 0.01 min

Lab File: BF097831.D

Acq: 18 Aug 2017 13:03

Tgt Ion:	276	Resp:	202325
Ion Ratio	Lower	Upper	
276	100		
138	4.9	27.8	41.6#
277	4.1	20.2	30.4#





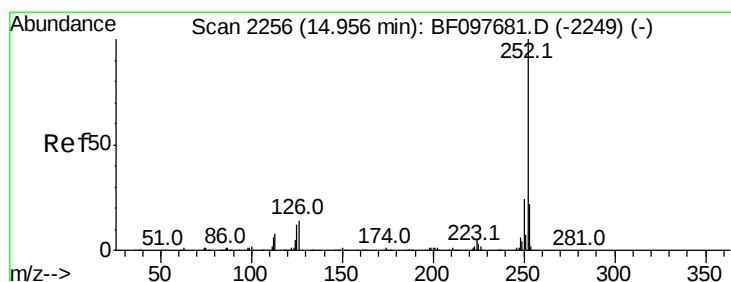
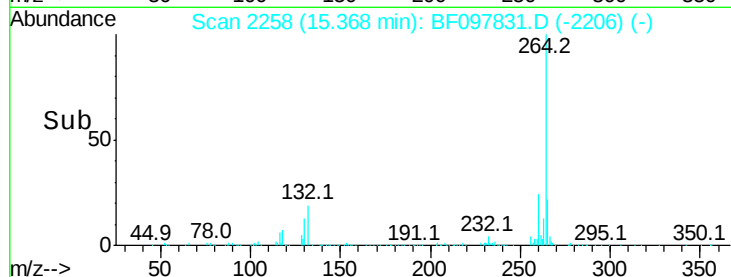
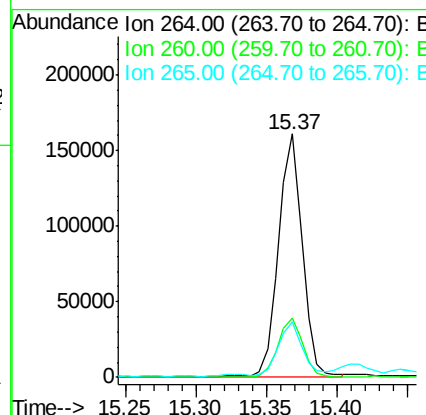
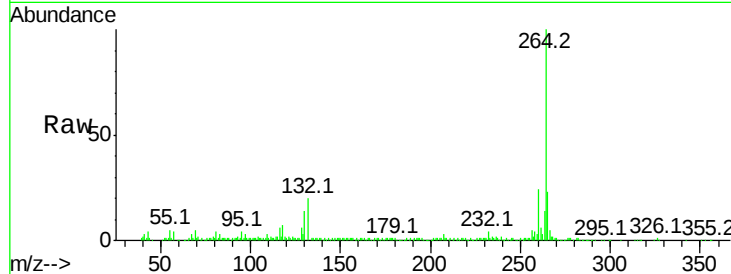
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Instrument :
BNA_F
ClientSampleId :
E2-I8-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.8	17.2	25.8

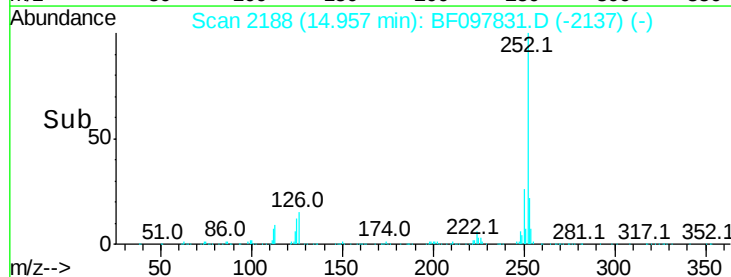
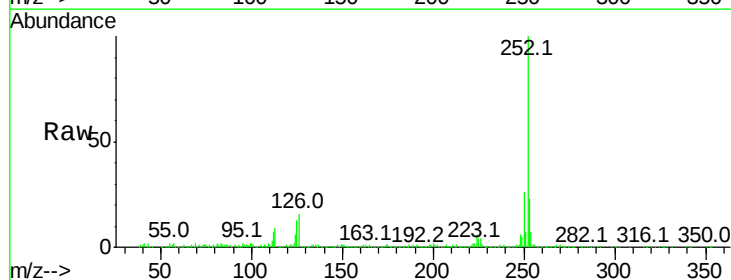
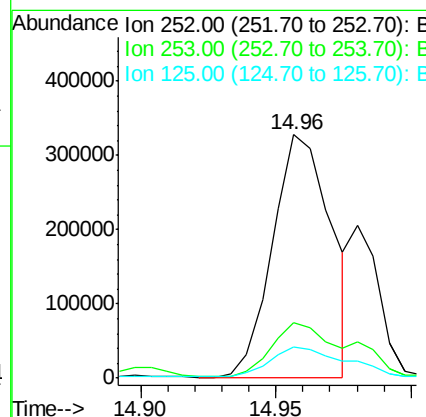
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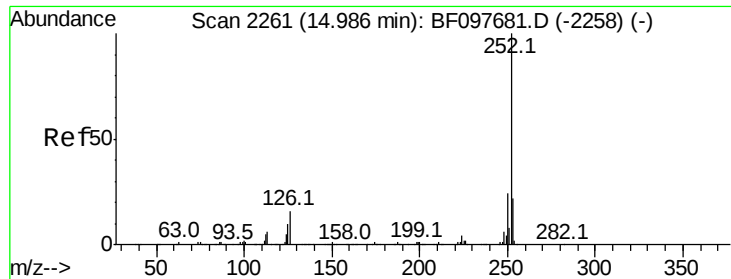
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#87
Benzo(b)fluoranthene
Concen: 41.516 ng m
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.8	9.8	14.8





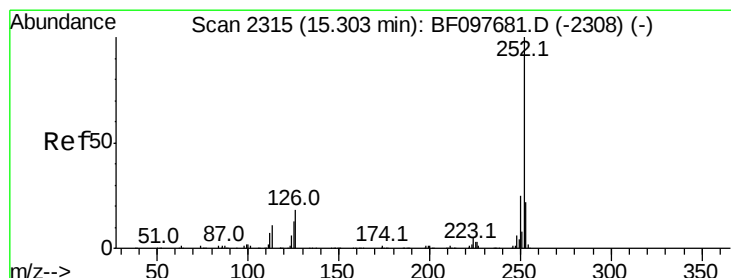
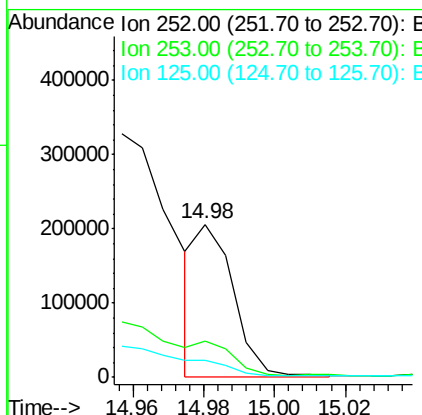
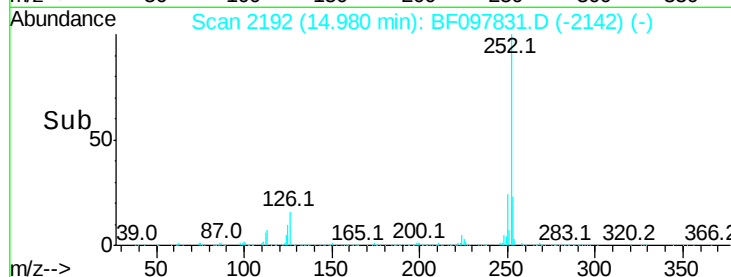
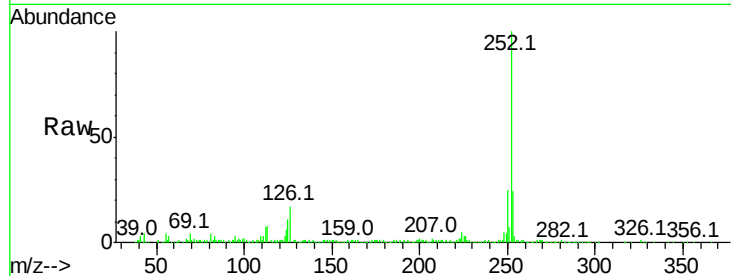
#88
Benzo(k)fluoranthene
Concen: 13.742 ng/mL
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Instrument :
BNA_F
ClientSampleId :
E2-I8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
252	100	154316		
253	23.8	18.4	27.6	
125	11.5	13.1	19.7	

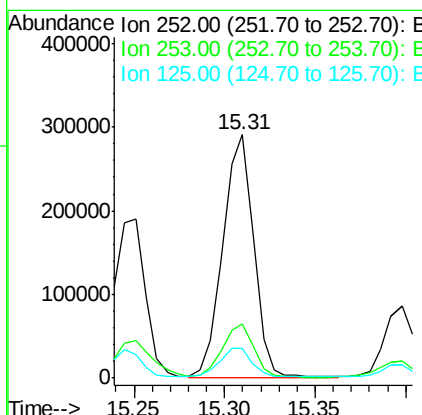
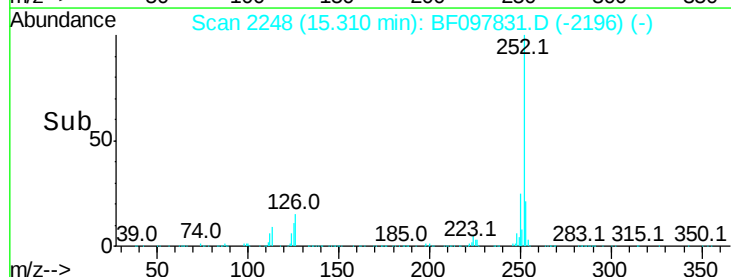
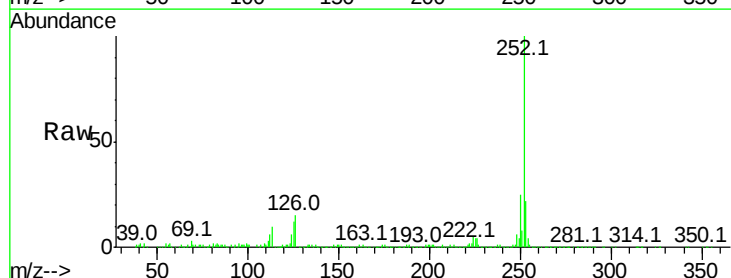
Manual Integrations
APPROVED

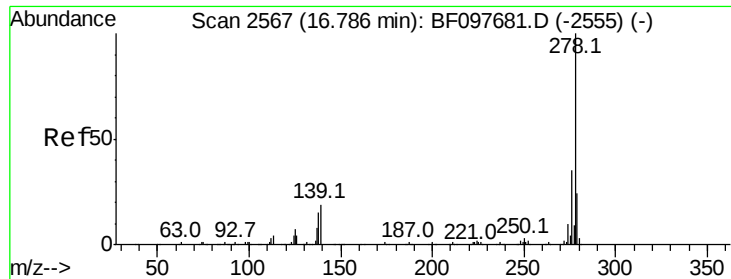
Sohil
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#89
Benzo(a)pyrene
Concen: 32.382 ng/mL
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	342633		
253	22.1	17.5	26.3	
125	12.0	11.0	16.4	





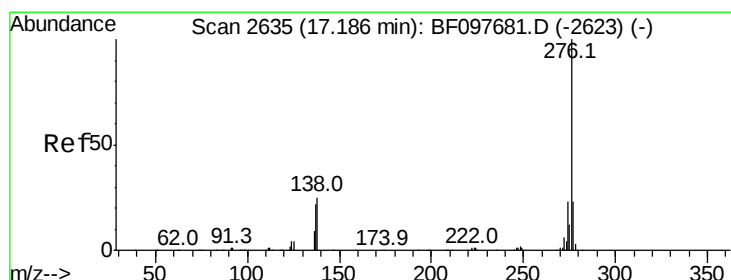
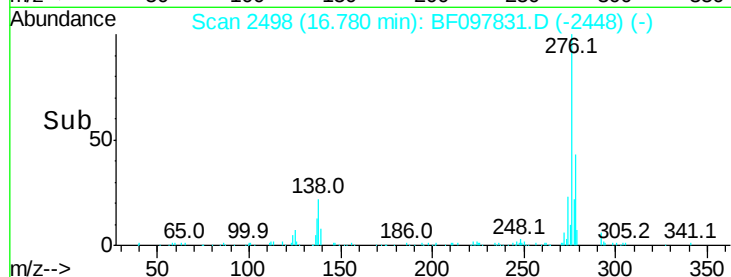
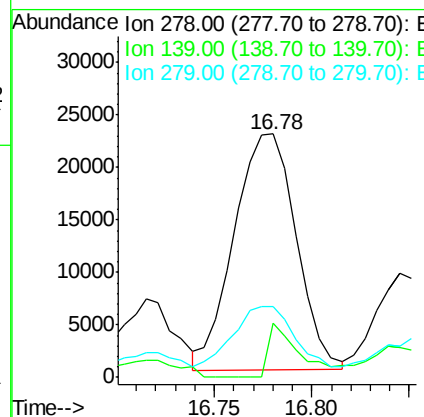
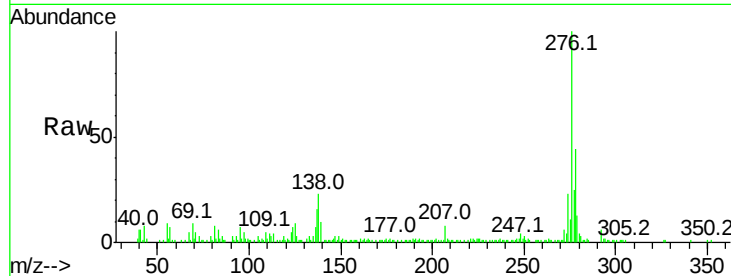
#90
Dibenzo(a,h)anthracene
Concen: 5.732 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Instrument :
BNA_F
ClientSampleId :
E2-I8-BASE

Tot Ion:	278	Resp:	49381
Ion Ratio	Lower	Upper	
278	100		
139	22.3	16.6	24.8
279	28.9	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 21.289 ng m
RT: 17.19 min Scan# 2568
Delta R.T. 0.01 min
Lab File: BF097831.D
Acq: 18 Aug 2017 13:03

Tgt Ion:	276	Resp:	191354
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.6	28.0
138	24.6	25.4	38.0#

