

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097829.D
 Acq On : 18 Aug 2017 12:07
 Operator : SJ/JU
 Sample : I4820-06
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-H8-WSW

Manual Integrations
 APPROVED

Sohil
 8/18/2017 7:02:51 PM

Quant Time: Aug 18 14:13:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	132324	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	482442	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	180314	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	302089	20.00	ng	0.00
75) Chrysene-d12	13.93	240	257232	20.00	ng	0.00
86) Perylene-d12	15.36	264	176943	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1108972	127.48	ng	0.00
7) Phenol-d6	6.42	99	1477938	125.04	ng	0.00
23) Nitrobenzene-d5	7.34	82	891631	100.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	188321	120.37	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1091270	88.92	ng	0.00
78) Terphenyl-d14	12.89	244	788171	63.90	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.08	128	124208	4.959	ng	99
37) 2-Methylnaphthalene	8.77	142	97505	6.350	ng	97
49) Dimethylphthalate	9.53	163	154706	11.738	ng	99
51) Acenaphthene	9.85	154	47196	3.922	ng	98
54) Dibenzofuran	10.02	168	35358	2.193	ng	# 93
57) Fluorene	10.36	166	39144	3.140	ng	99
70) Phenanthrene	11.32	178	289442	17.981	ng	100
71) Anthracene	11.37	178	91055	5.577	ng	98
72) Carbazole	11.52	167	31264	2.017	ng	99
74) Fluoranthene	12.51	202	438156	26.078	ng	98
77) Pyrene	12.73	202	451867	21.478	ng	97
80) Benzo(a)anthracene	13.92	228	286333	18.573	ng	97
82) Chrysene	13.96	228	238245	15.535	ng	96
85) Indeno(1,2,3-cd)pyrene	16.76	276	105500m	9.351	ng	
87) Benzo(b)fluoranthene	14.96	252	242761m	21.766	ng	
88) Benzo(k)fluoranthene	14.98	252	98533m	9.403	ng	
89) Benzo(a)pyrene	15.30	252	194157	19.664	ng	97
90) Dibenzo(a,h)anthracene	16.77	278	24735	3.077	ng	# 84
91) Benzo(a,h,i)perylene	17.18	276	94328	11.246	ng	95

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

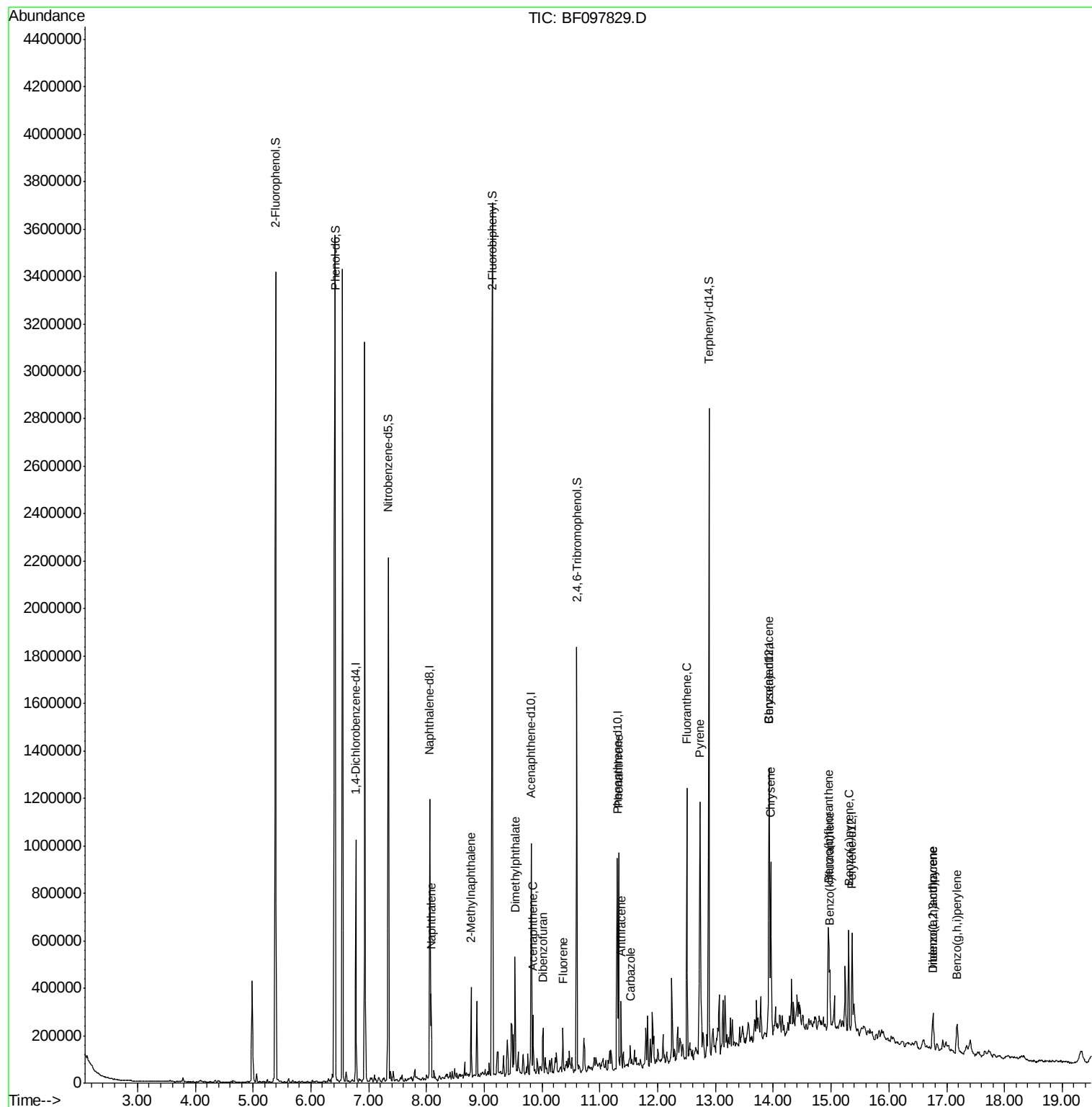
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097829.D
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ALS Vial : 43 Sample Multiplier: 1

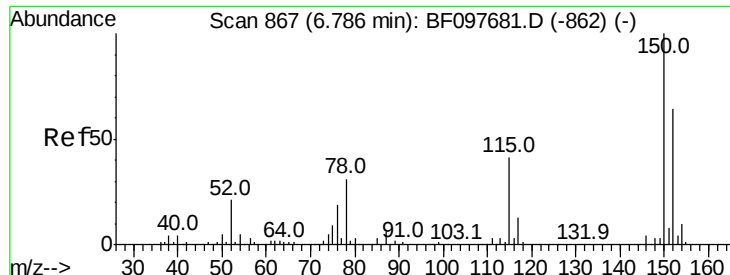
Instrument :
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ClientSampleId :
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Quant Time: Aug 18 14:13:53 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

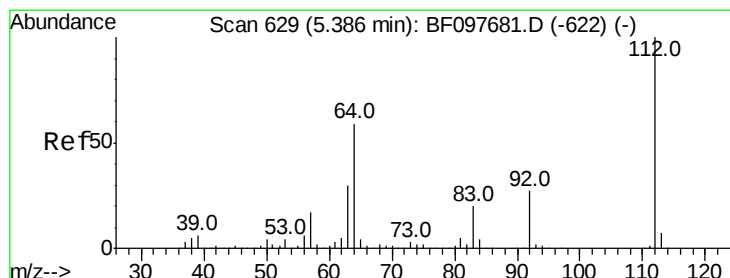
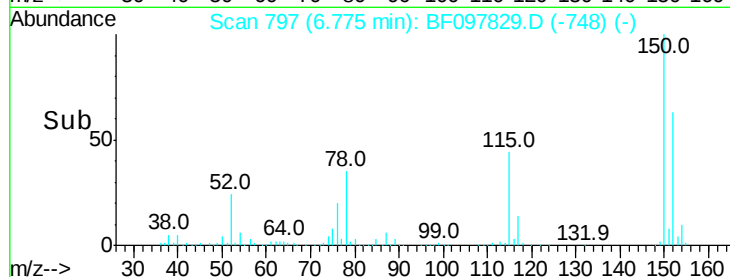
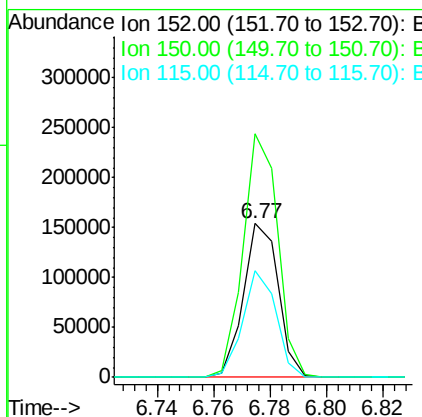
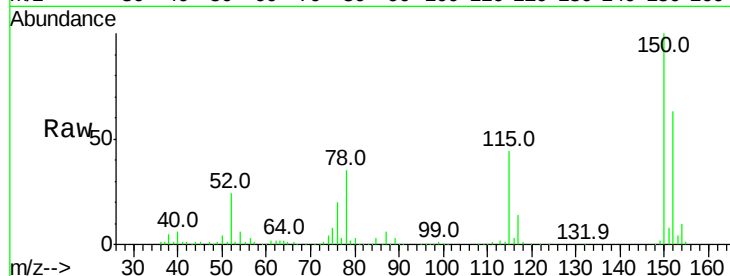
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Instrument :
BNA_F
ClientSampled :
E2-H8-WSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	69.6	52.2	78.2

Manual Integrations
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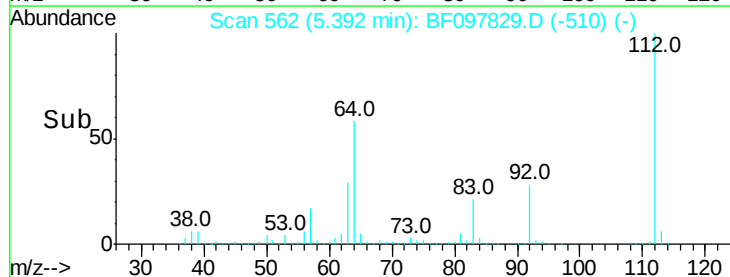
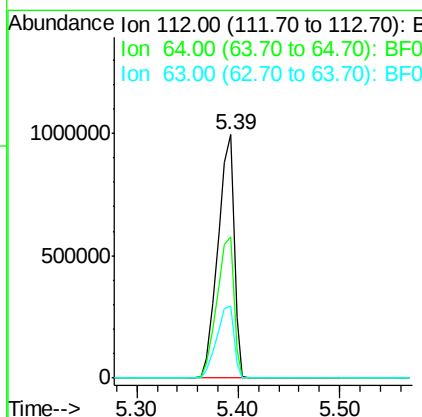
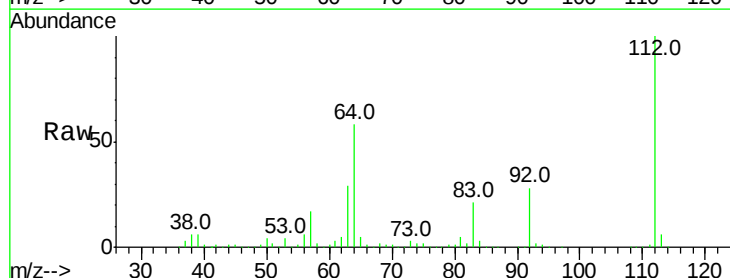
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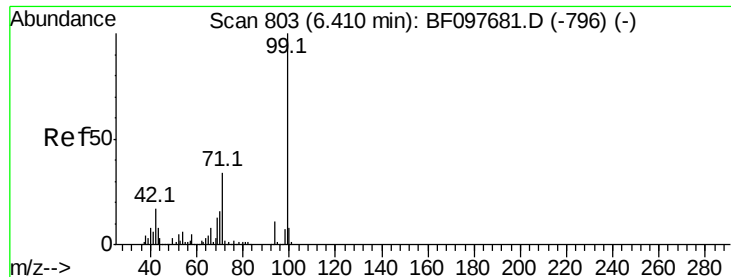


#5

2-Fluorophenol
Concen: 127.477 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.0	69.0
63	29.5	23.4	35.0





#7

Phenol-d6

Concen: 125.037 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Instrument :

BNA_F

ClientSampleId :

E2-H8-WSW

Tot Ion: 99 Resp: 1477938

Ion Ratio Lower Upper

99 100

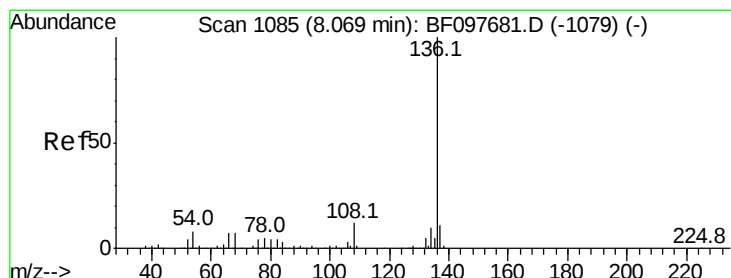
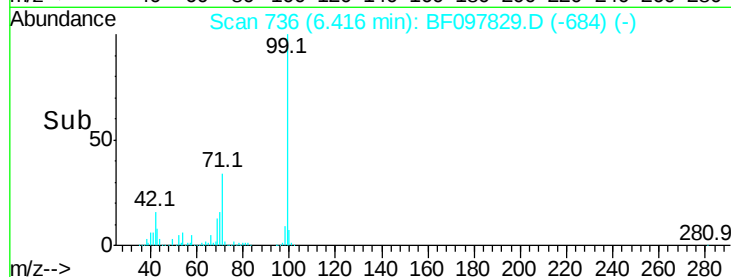
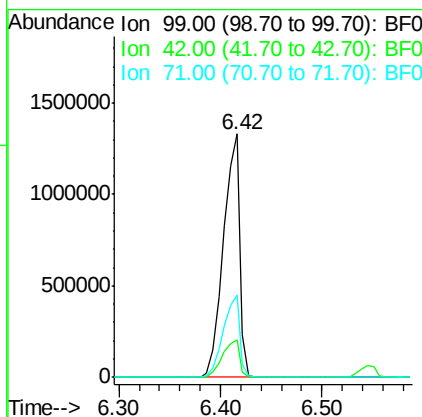
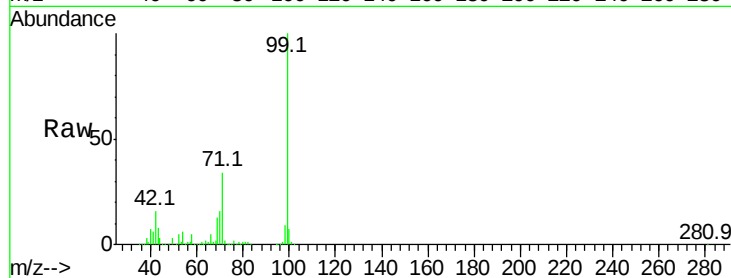
42 15.5 13.5 20.3

71 33.6 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: BF097829.D

Acq: 18 Aug 2017 12:07

Tgt Ion: 136 Resp: 482442

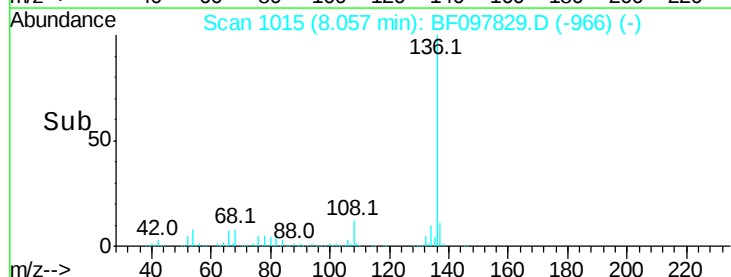
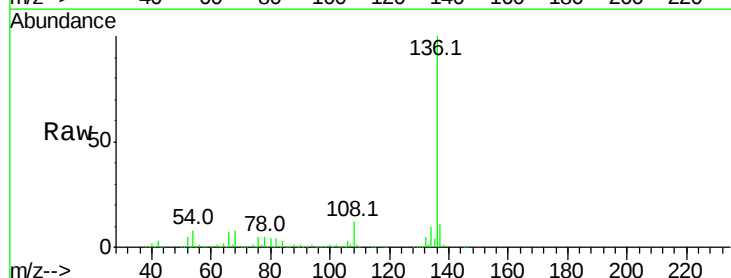
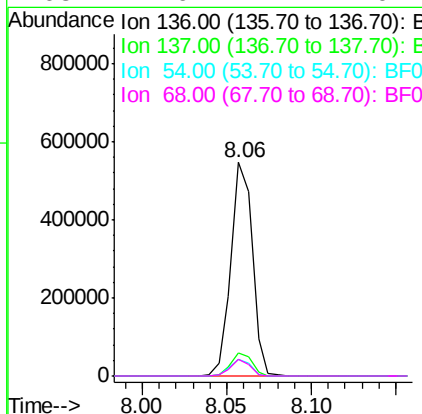
Ion Ratio Lower Upper

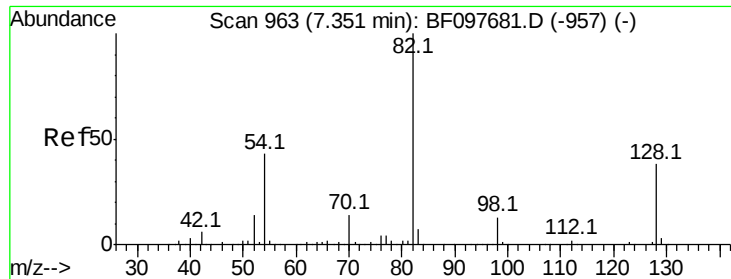
136 100

137 11.0 8.5 12.7

54 7.9 4.9 7.3#

68 7.6 4.1 6.1#





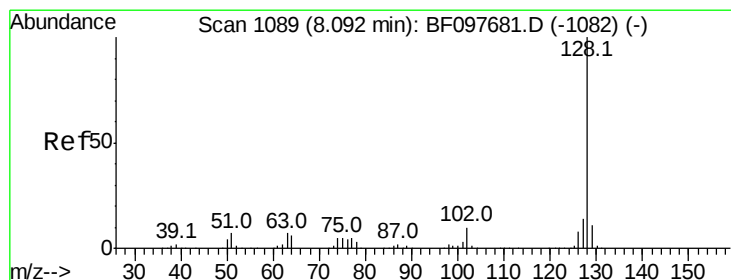
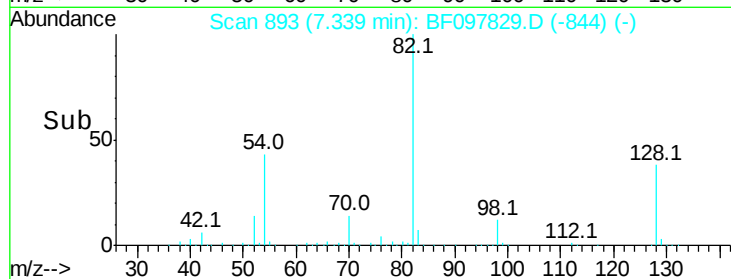
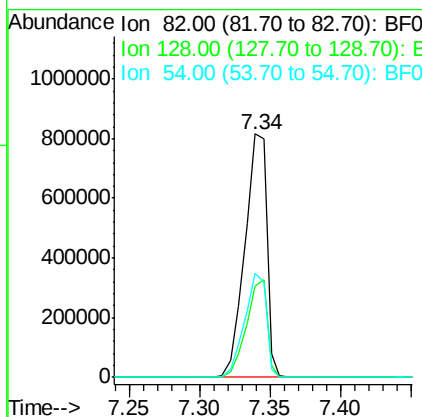
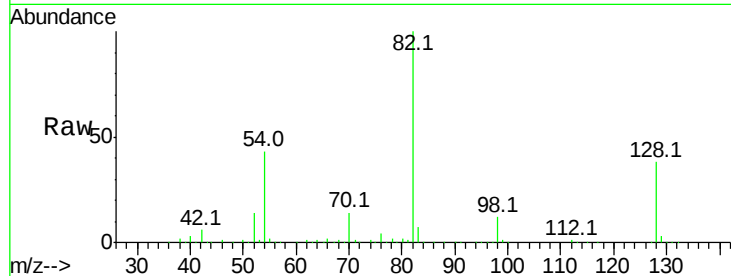
#23
 Nitrobenzene-d5
 Concen: 100.401 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF097829.D
 Acq: 18 Aug 2017 12:07

Instrument :
 BNA_F
 ClientSampled :
 E2-H8-WSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.8	34.0	51.0
54	42.8	42.2	63.2

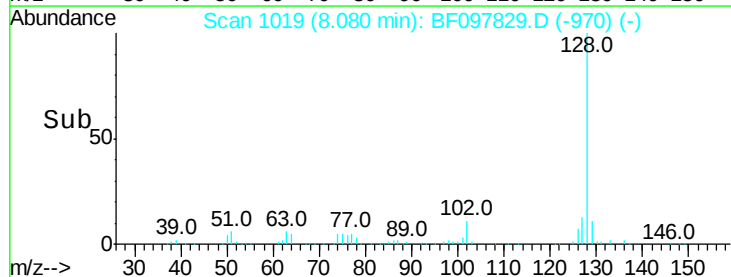
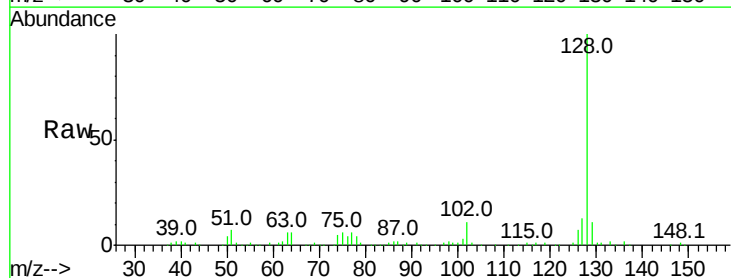
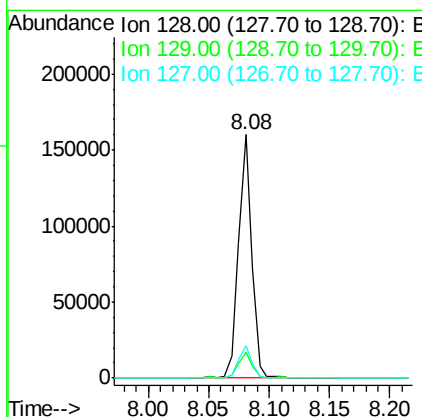
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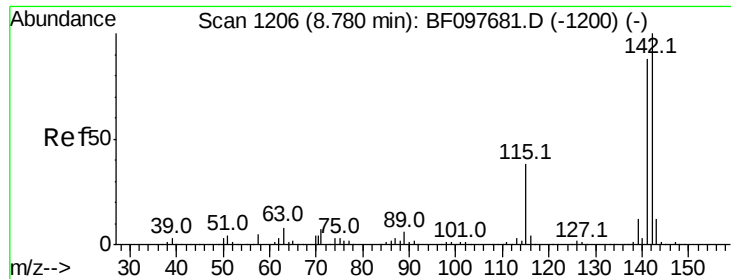
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#31
 Naphthalene
 Concen: 4.959 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF097829.D
 Acq: 18 Aug 2017 12:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.4	10.8	16.2





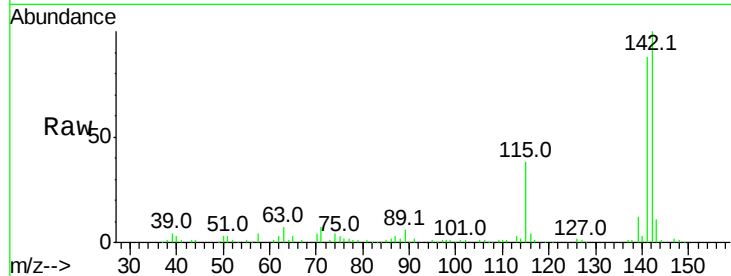
#37
2-Methylnaphthalene
Concen: 6.350 ng
RT: 8.77 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Instrument :
BNA_F
ClientSampled :
E2-H8-WSW

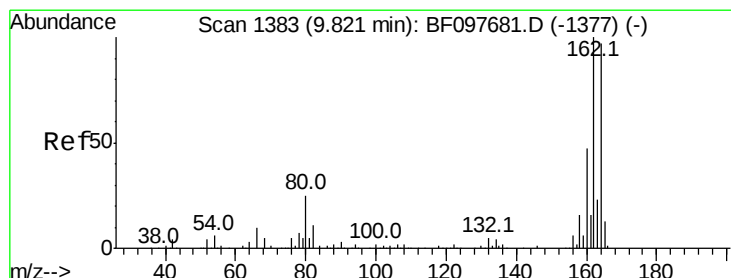
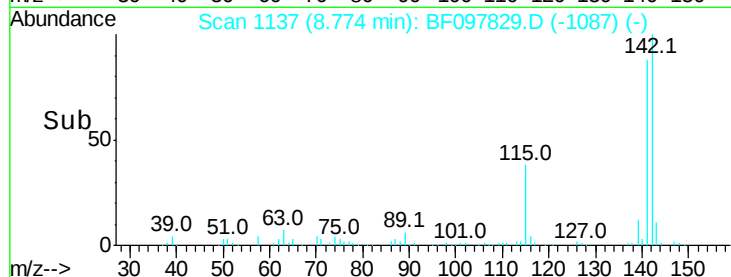
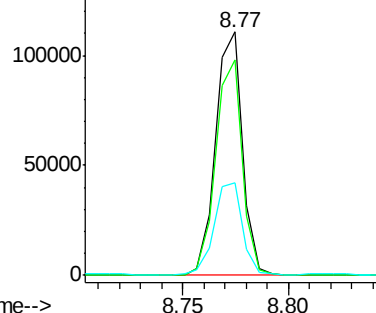
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.3	106.9
115	38.1	27.1	40.7

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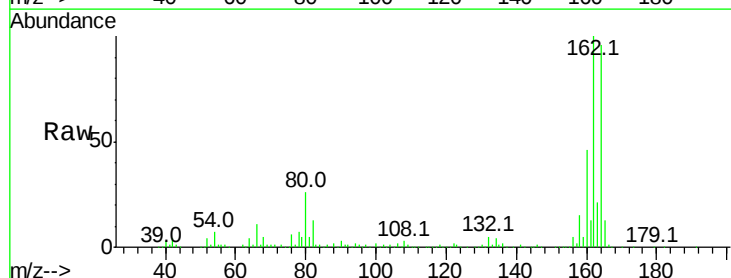


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

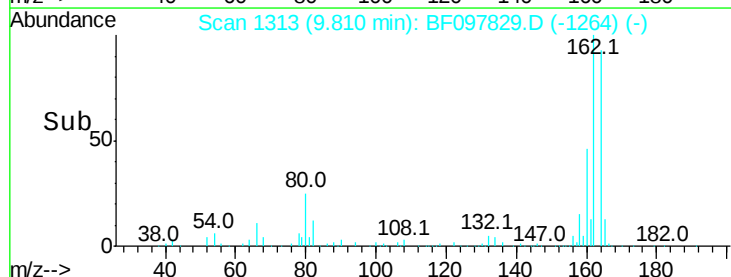
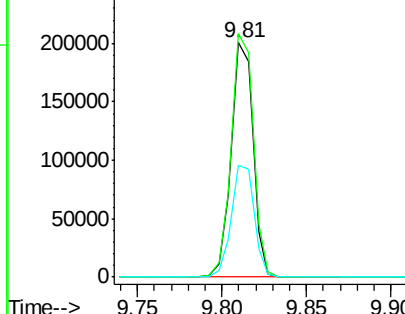


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.6	123.8
160	47.8	36.2	54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





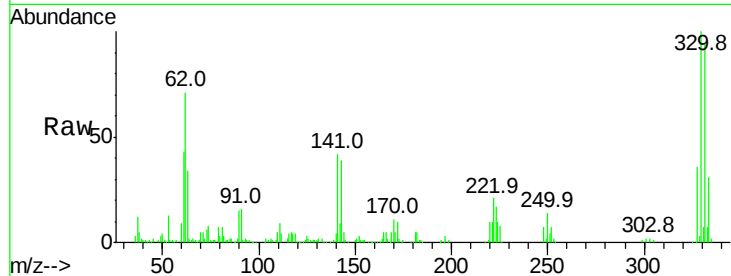
#41
 2,4,6-Tribromophenol
 Concen: 120.370 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097829.D
 Acq: 18 Aug 2017 12:07

Instrument :
 BNA_F
 ClientSampled :
 E2-H8-WSW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	188321		
332	94.9	76.6	115.0	
141	39.1	31.4	47.2	

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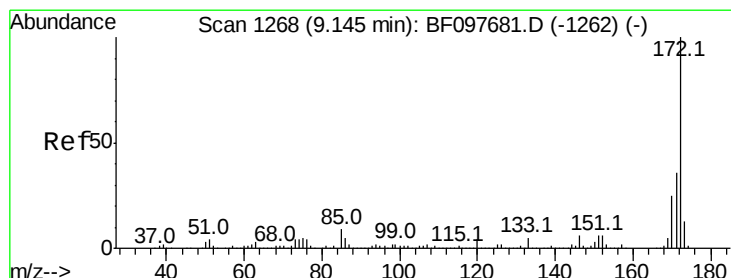
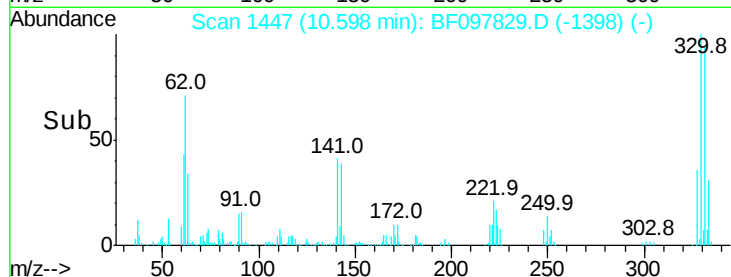
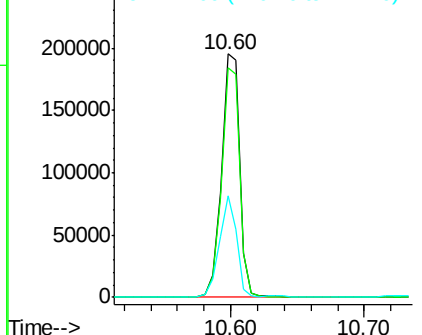


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 88.917 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097829.D
 Acq: 18 Aug 2017 12:07

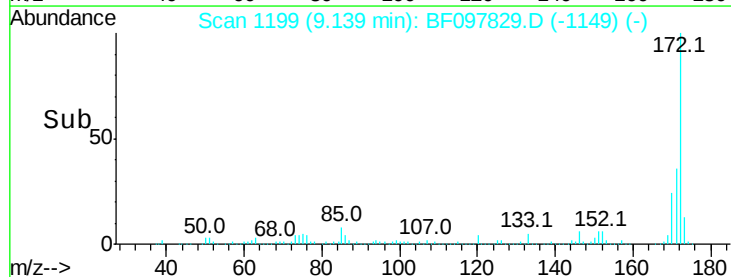
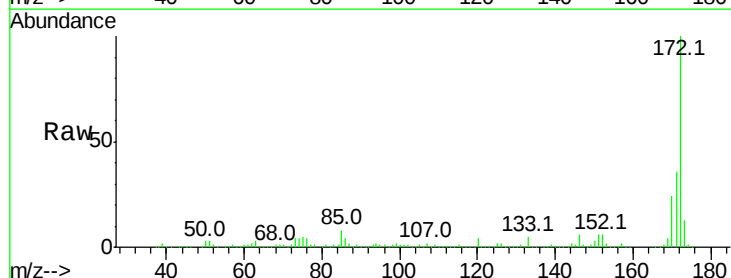
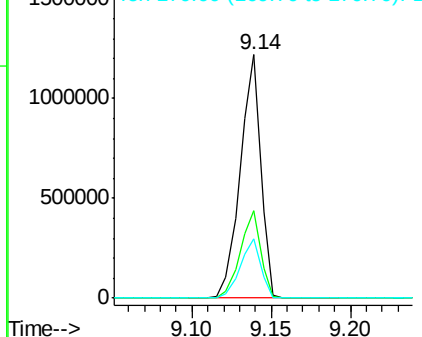
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1091270		
171	35.9	29.6	44.4	
170	24.5	19.8	29.8	

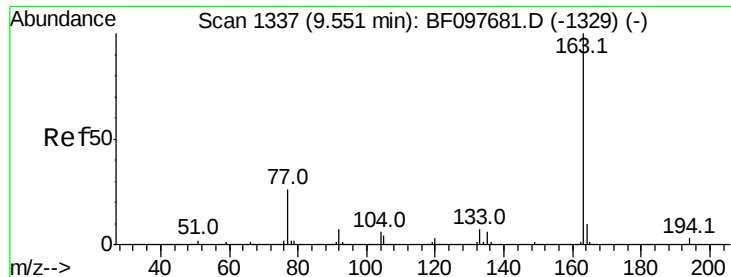
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





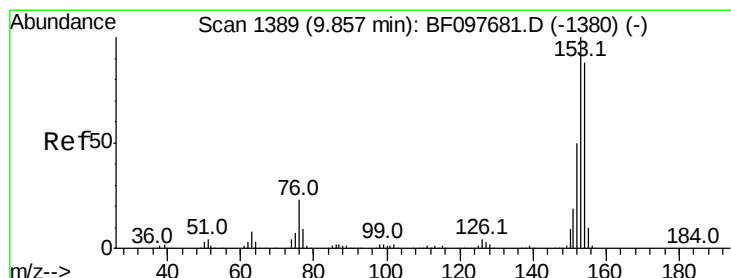
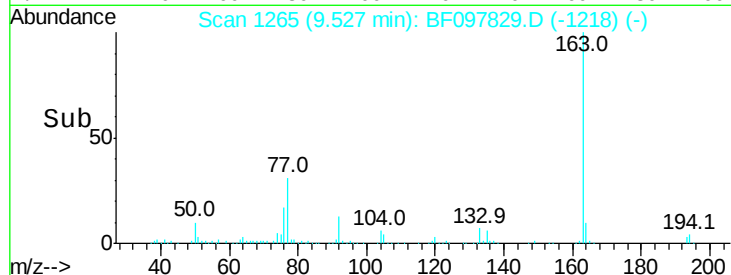
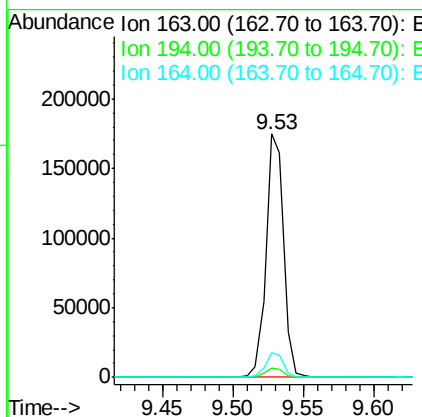
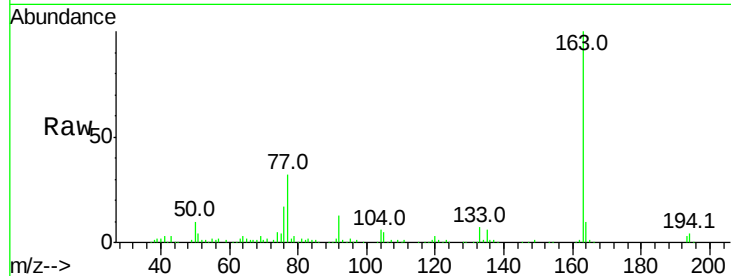
#49
Dimethylphthalate
Concen: 11.738 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-H8-WSW

Tot Ion	Ratio	Resp	Lower	Upper
163	100	154706		
194	3.6		2.6	4.0
164	10.2		8.4	12.6

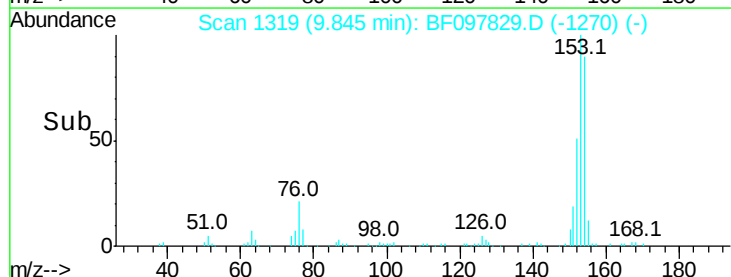
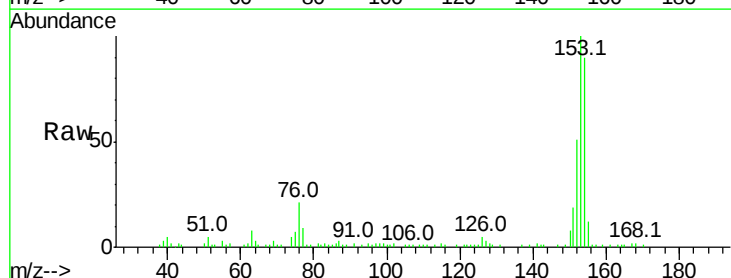
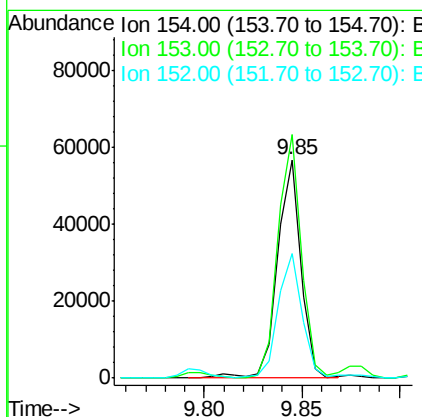
Manual Integrations
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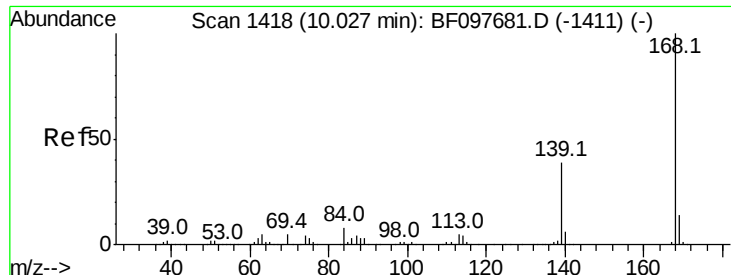
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#51
Acenaphthene
Concen: 3.922 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	47196		
153	111.5		90.5	135.7
152	57.3		43.6	65.4





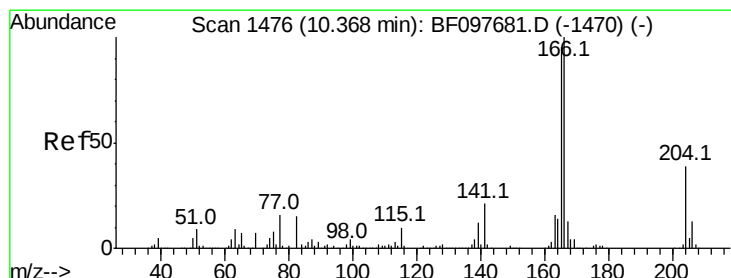
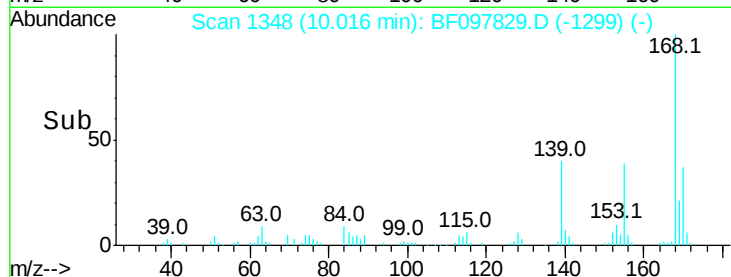
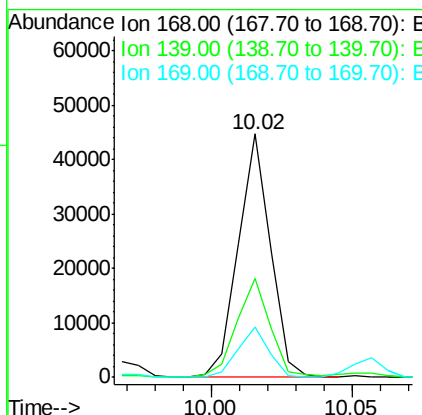
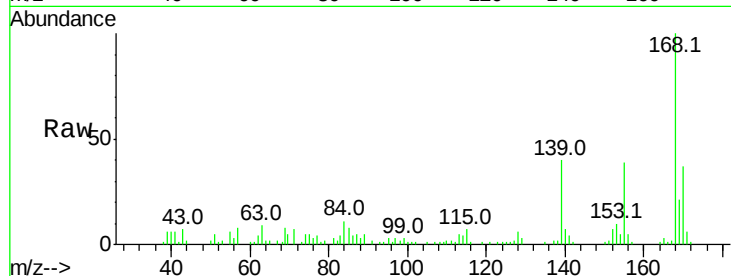
#54
Dibenzenofuran
Concen: 2.193 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-H8-WSW

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.4	30.6	45.8
169	20.7	10.8	16.2

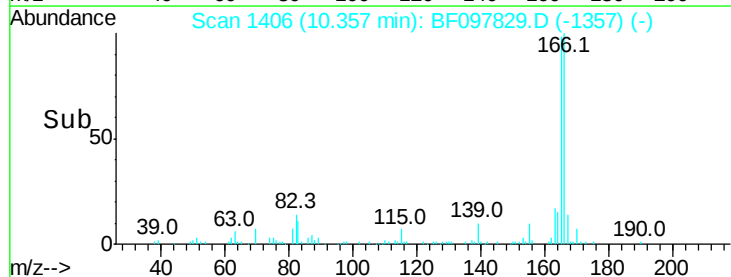
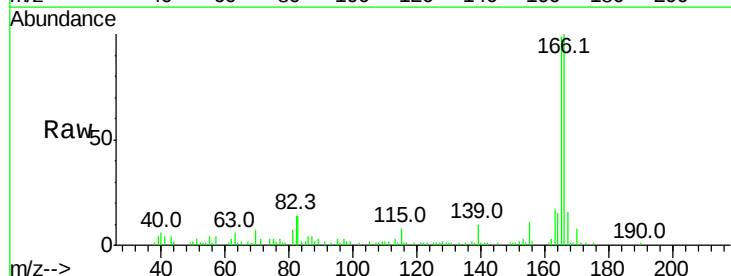
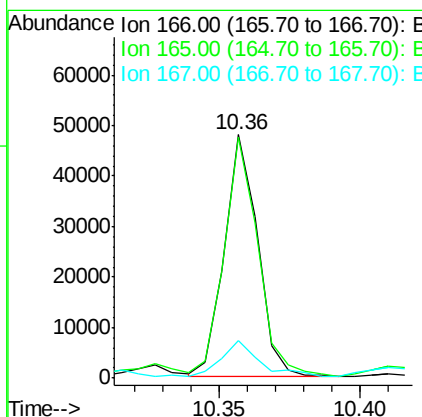
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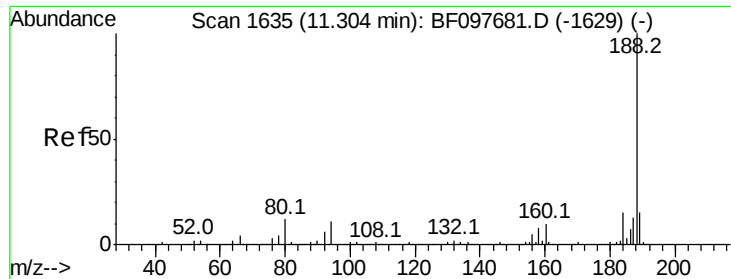
Sohil
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#57
Fluorene
Concen: 3.140 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.8	118.2
167	15.5	10.6	16.0





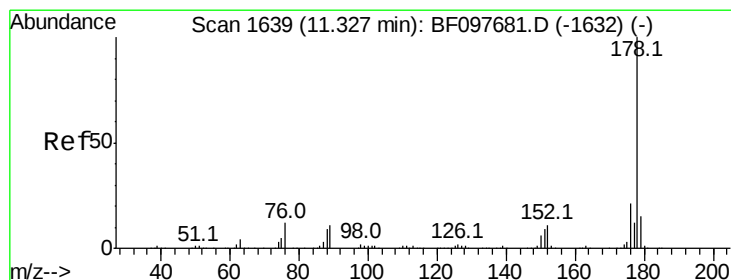
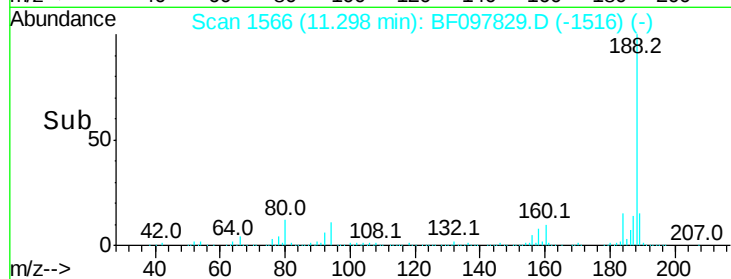
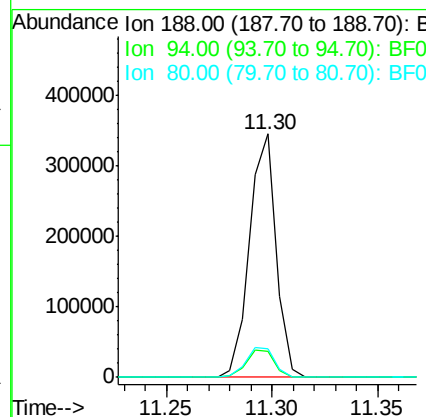
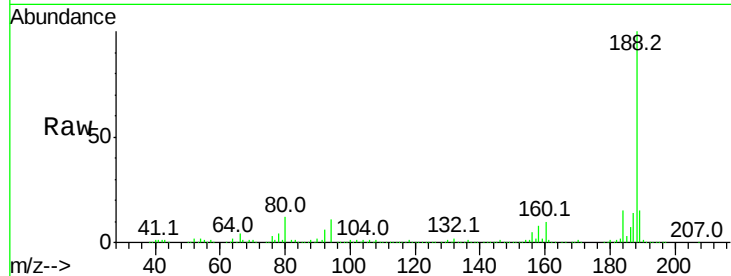
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-H8-WSW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	302089		
94	10.7		9.4	14.2
80	11.9		10.2	15.2

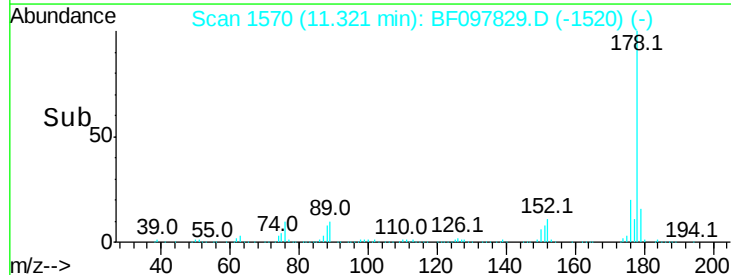
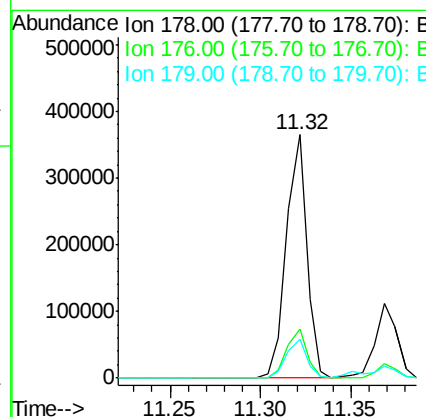
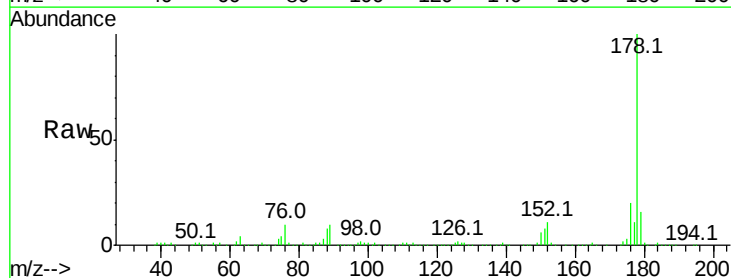
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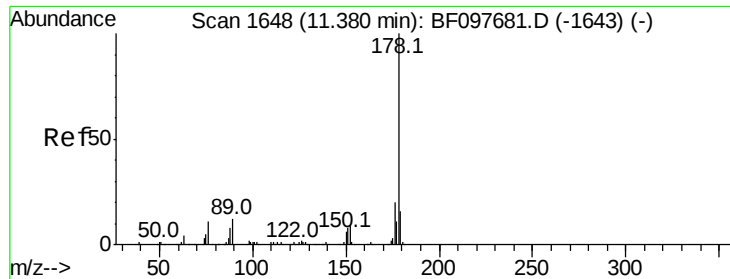
Sohil
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#70
Phenanthrene
Concen: 17.981 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	289442		
176	20.4		16.2	24.4
179	16.1		12.6	19.0





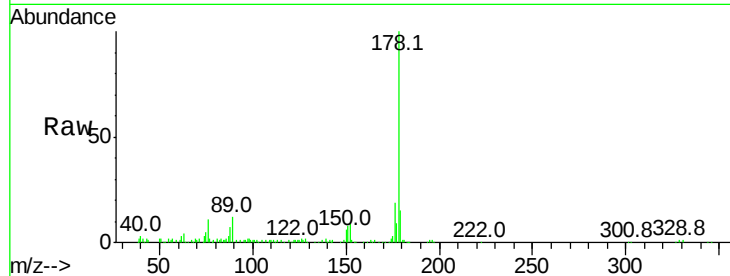
#71
 Anthracene
 Concen: 5.577 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF097829.D
 Acq: 18 Aug 2017 12:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-H8-WSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.5	12.7	19.1

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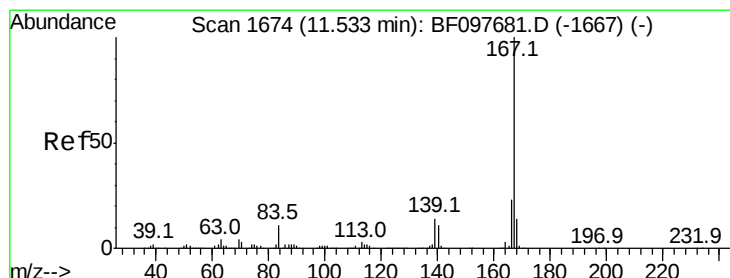
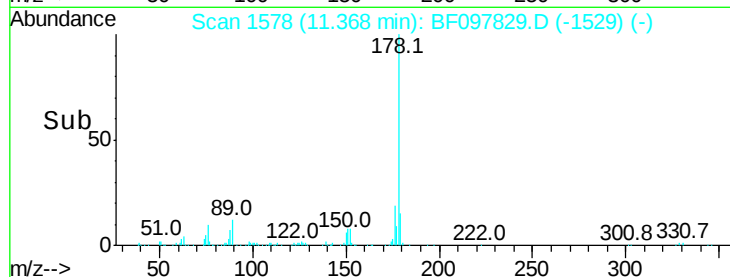
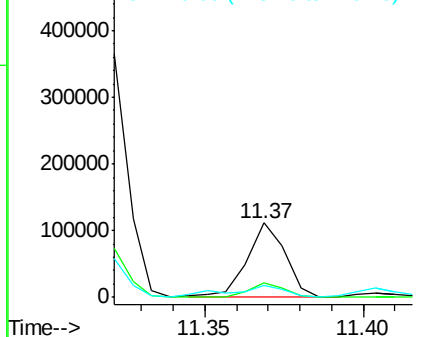


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 2.017 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF097829.D
 Acq: 18 Aug 2017 12:07

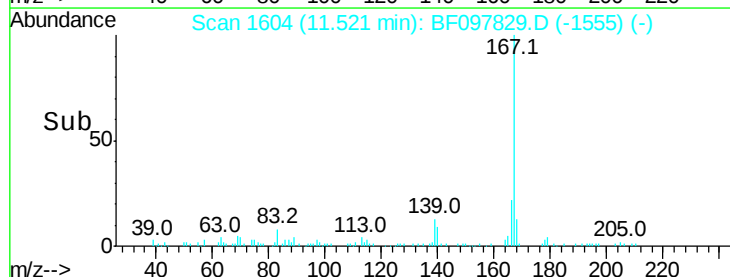
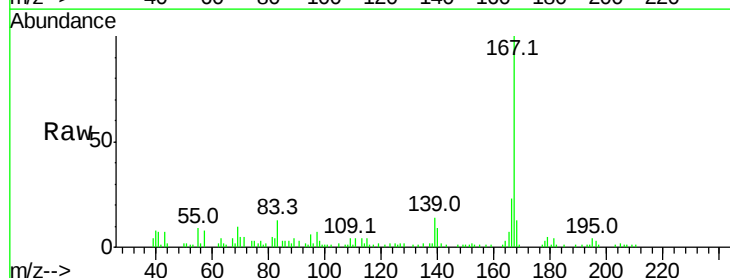
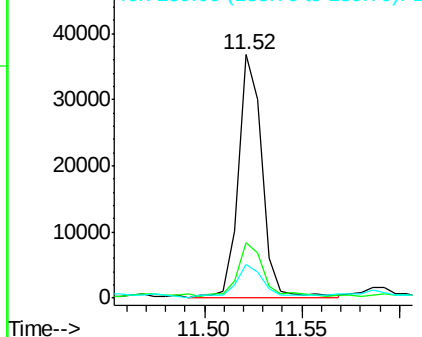
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.1	27.1
139	13.6	11.7	17.5

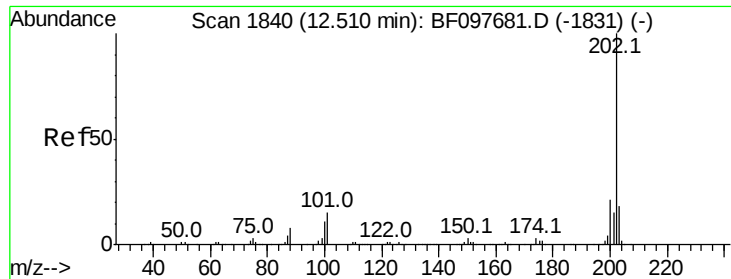
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 26.078 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Instrument :

BNA_F

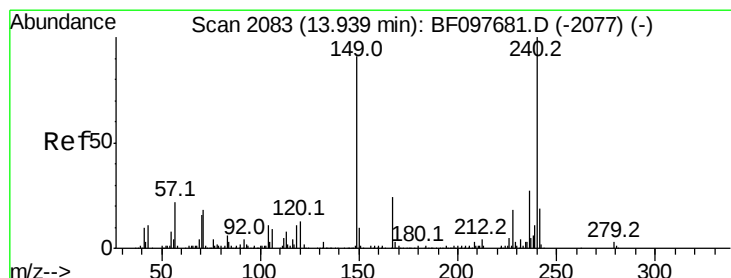
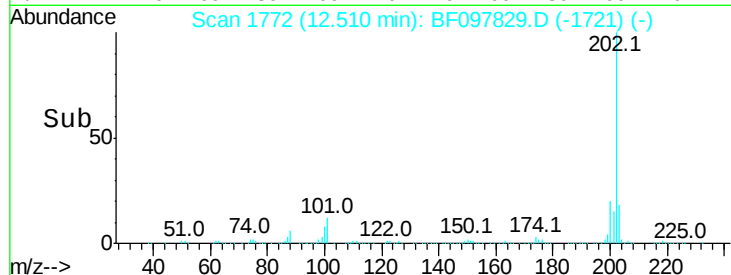
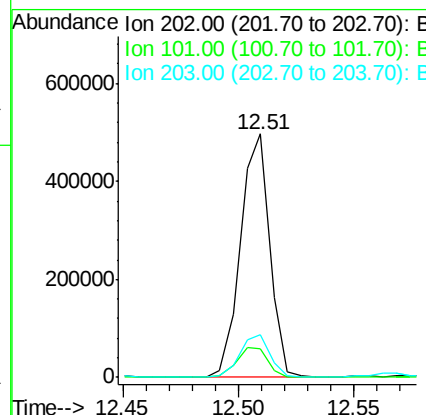
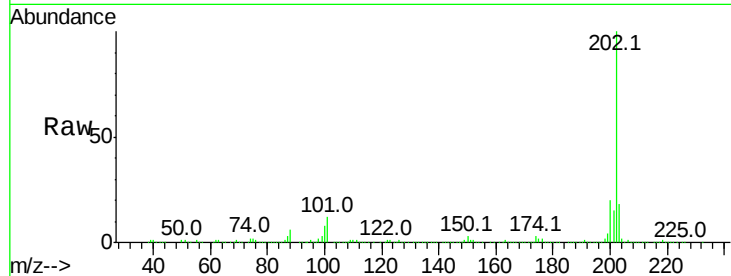
ClientSampleId :

E2-H8-WSW

Tot Ion	Ratio	Resp	Lower	Upper
202	100	438156		
101	11.9	0.0	33.2	
203	17.6	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

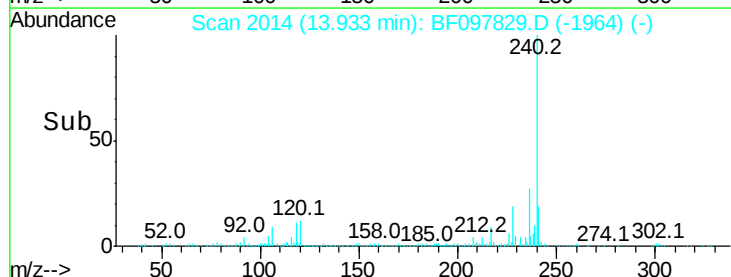
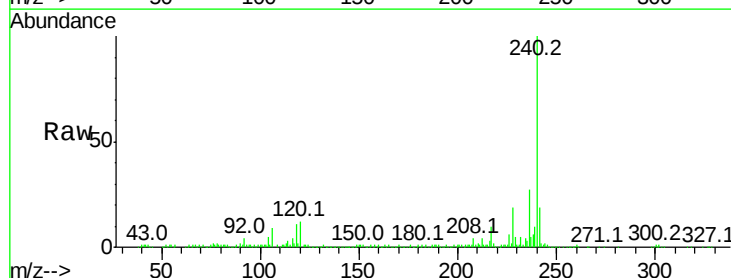
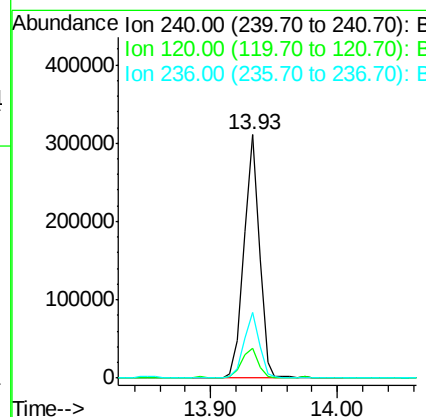
RT: 13.93 min Scan# 2014

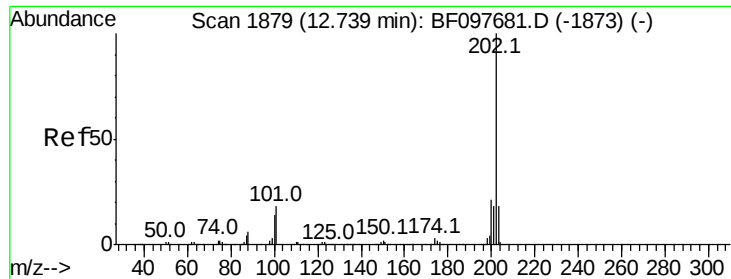
Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	257232		
120	12.5	5.8	8.8#	
236	26.9	20.5	30.7	





#77

Pvrene

Concen: 21.478 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Instrument :

BNA_F

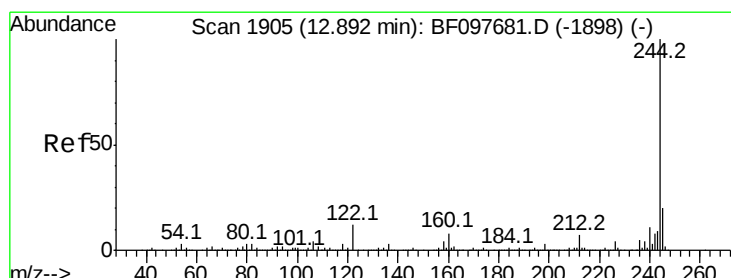
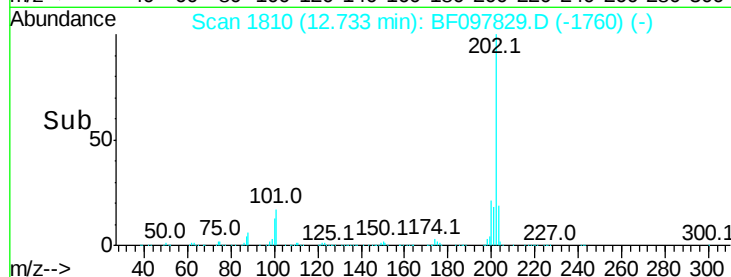
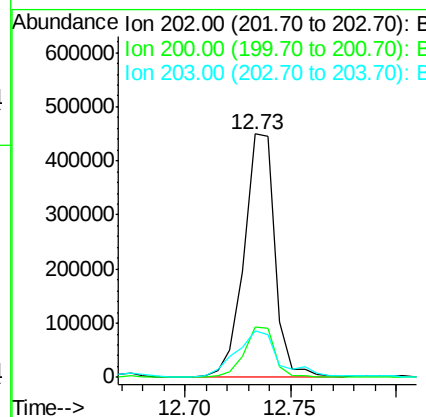
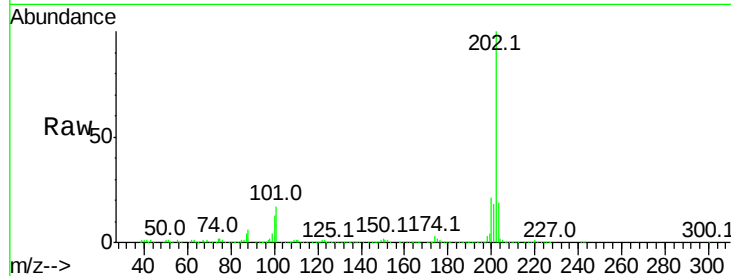
ClientSampleId :

E2-H8-WSW

Tot Ion:	202	Resp:	451867
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.6	26.4
203	19.2	14.4	21.6

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#78

Terphenyl-d14

Concen: 63.896 ng

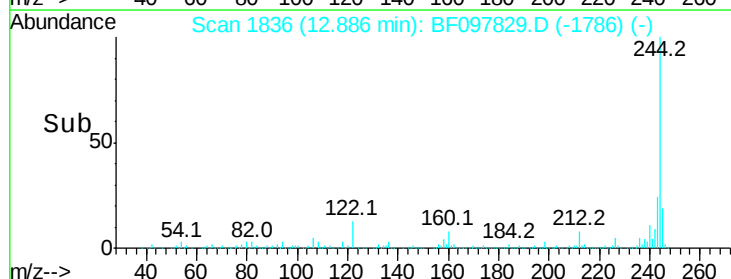
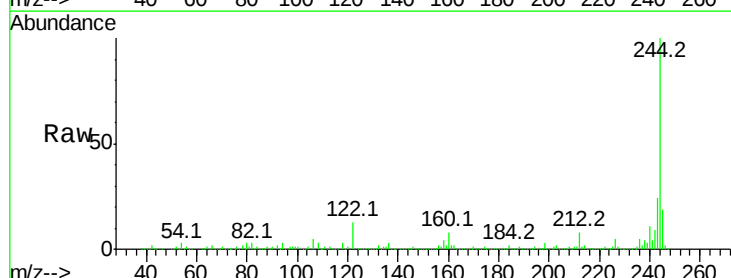
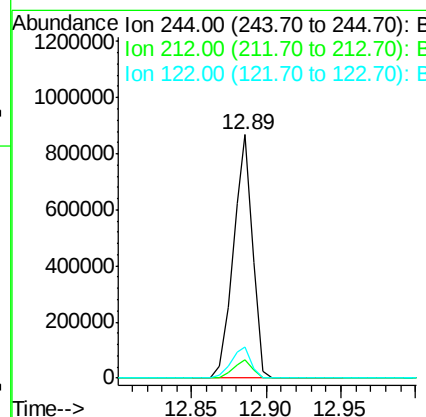
RT: 12.89 min Scan# 1836

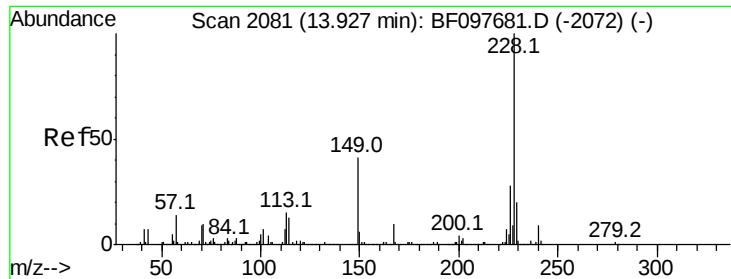
Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Tgt Ion:	244	Resp:	788171
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.0	9.0
122	12.7	10.3	15.5





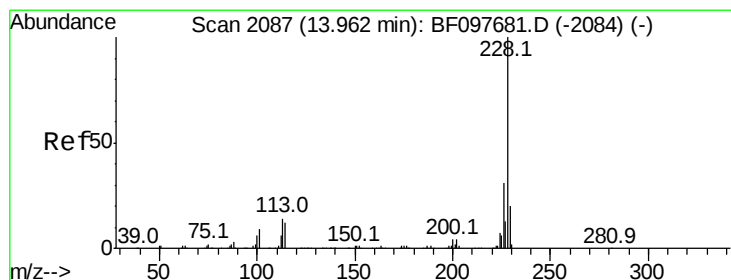
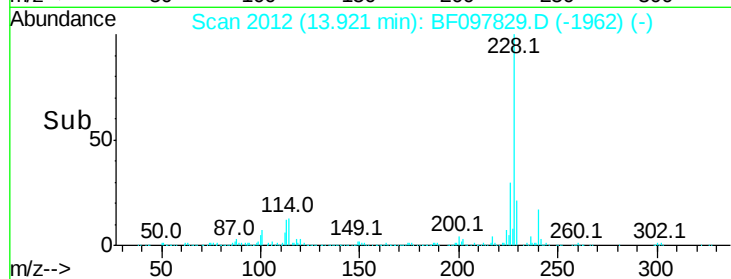
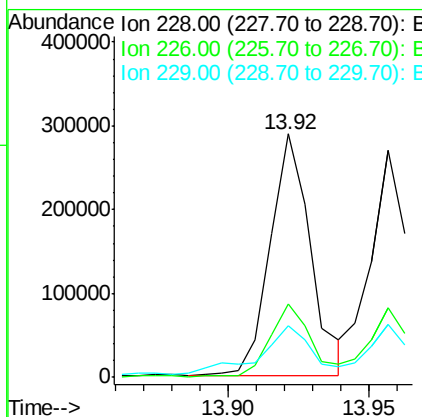
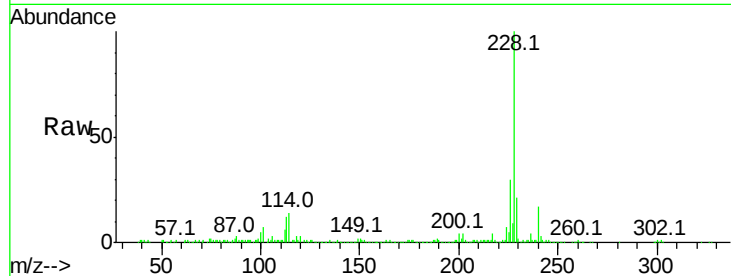
#80
Benzo(a)anthracene
Concen: 18.573 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-H8-WSW

Tot Ion	Ratio	Resp	Lower	Upper
228	100	286333		
226	30.2		22.6	33.8
229	21.4		16.3	24.5

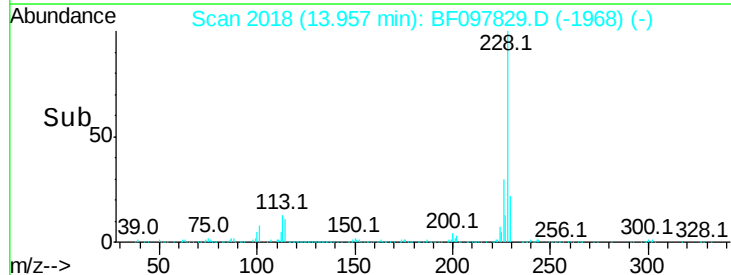
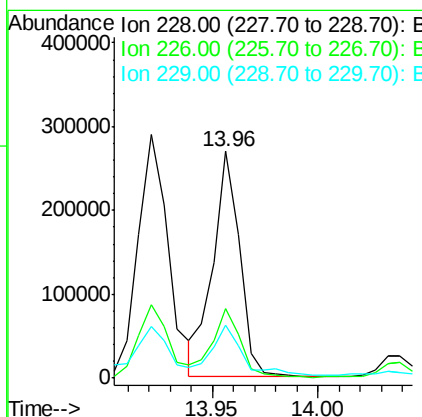
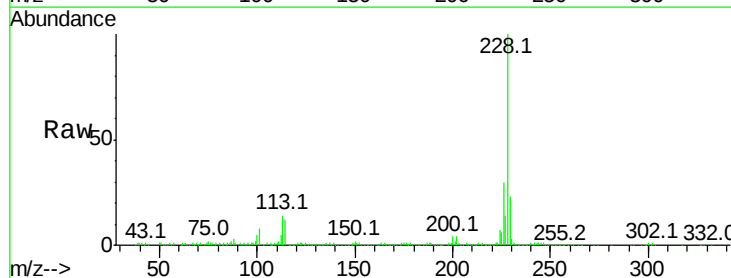
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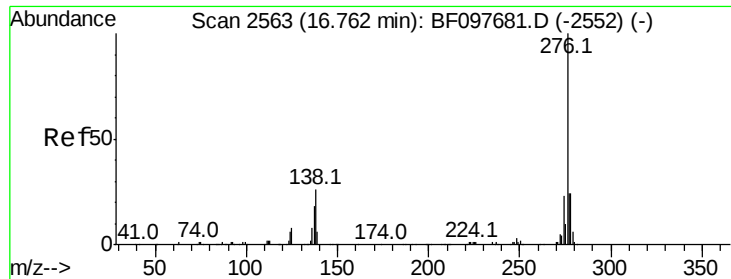
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#82
Chrysene
Concen: 15.535 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	238245		
226	30.4		24.9	37.3
229	23.1		15.8	23.6





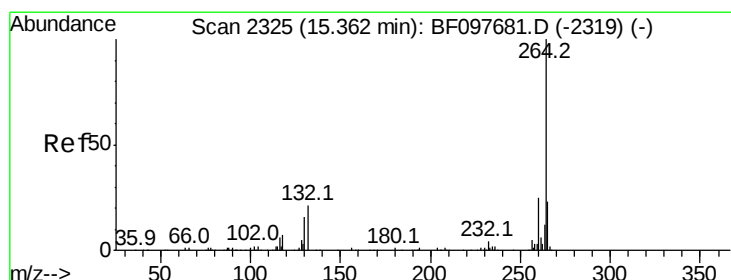
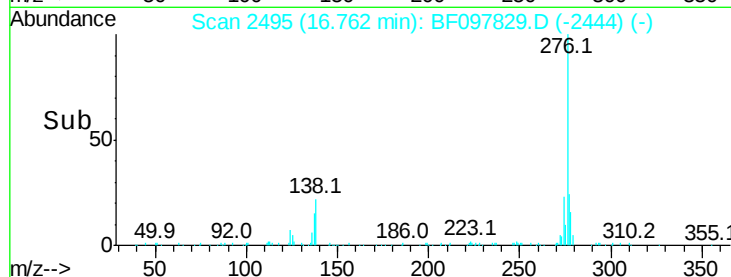
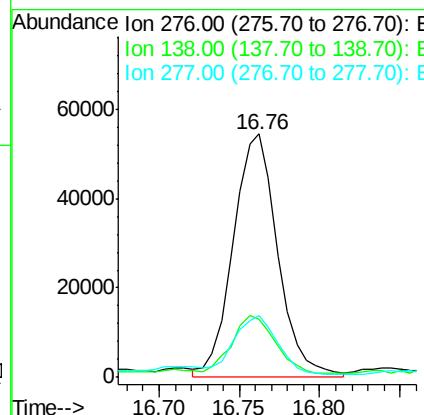
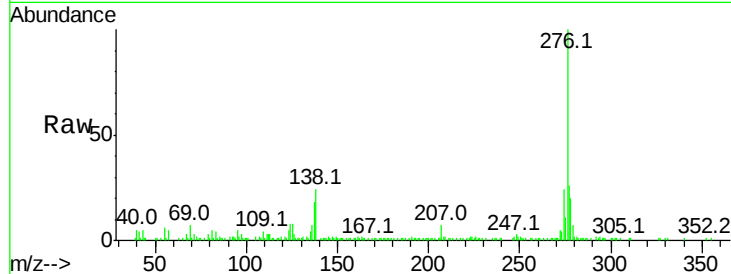
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.351 ng/ml
RT: 16.76 min Scan# 2495
Delta R.T. 0.00 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-H8-WSW

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	6.0	27.8	41.6#	
277	5.0	20.2	30.4#	

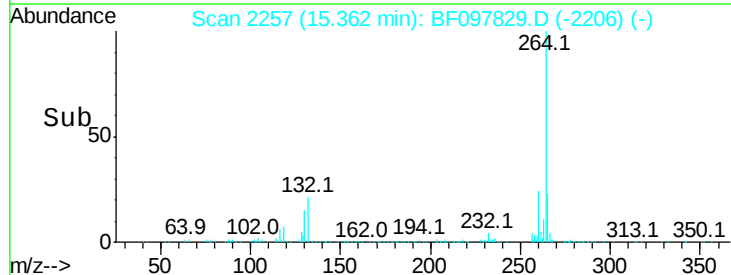
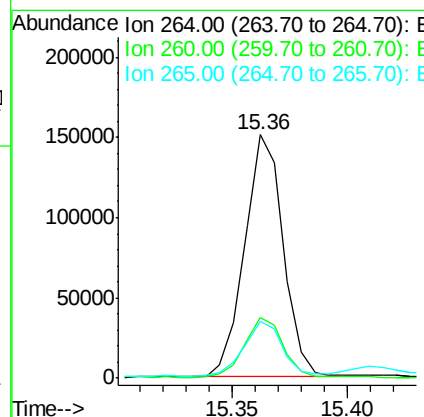
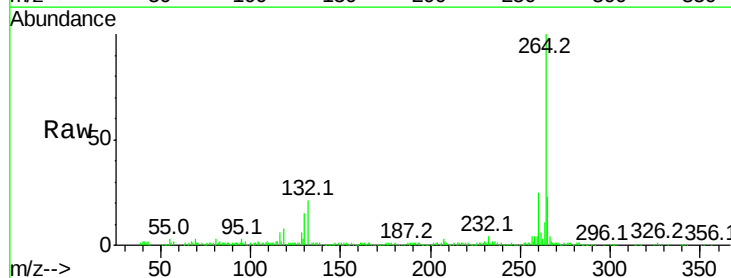
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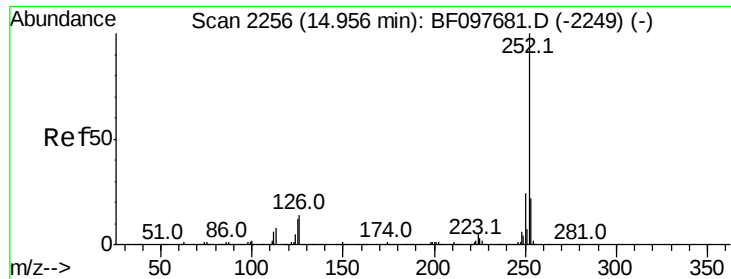
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.7	19.5	29.3	
265	23.1	17.2	25.8	





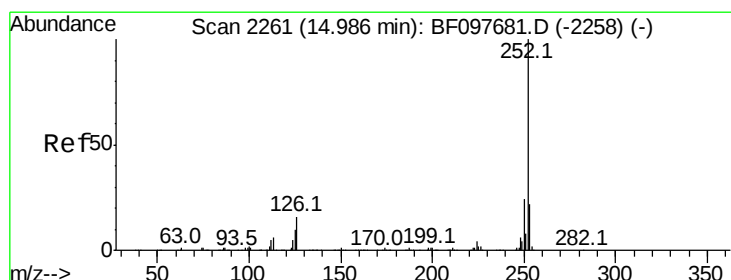
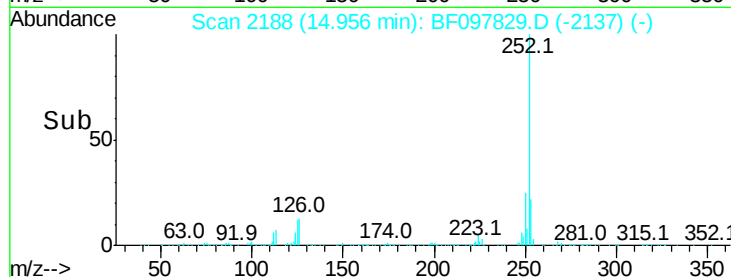
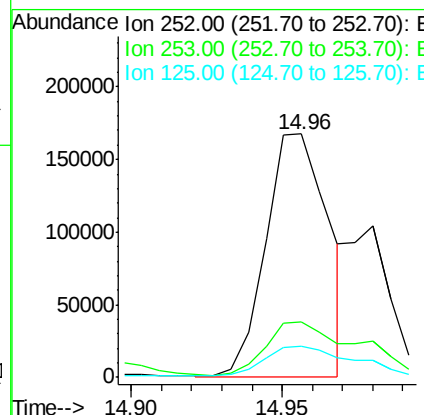
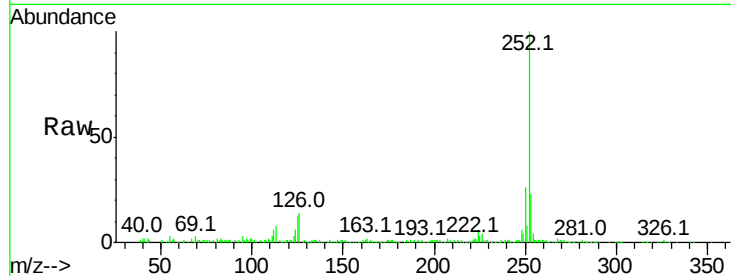
#87
Benzo(b)fluoranthene
Concen: 21.766 ng m
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Instrument :
BNA_F
ClientSampleId :
E2-H8-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	12.9	9.8	14.8

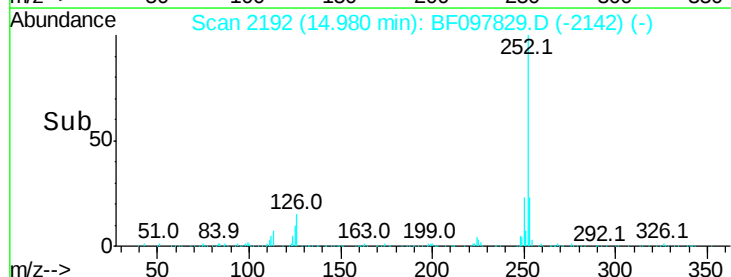
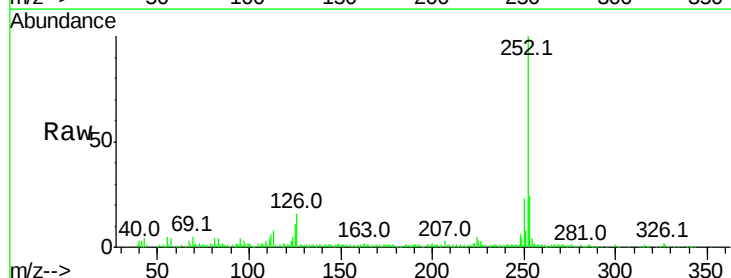
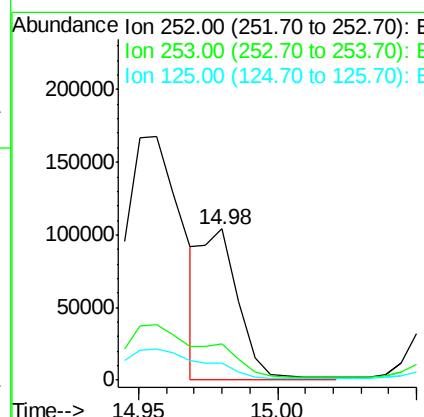
Manual Integrations
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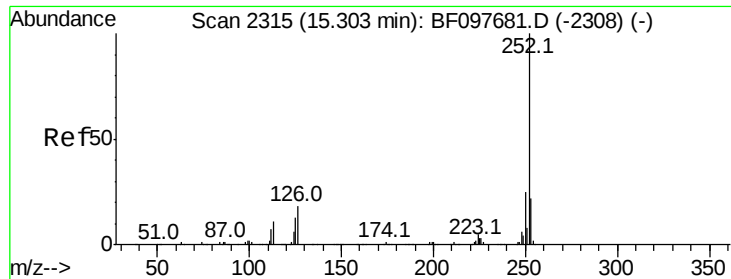
Sohil
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#88
Benzo(k)fluoranthene
Concen: 9.403 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	11.0	13.1	19.7#





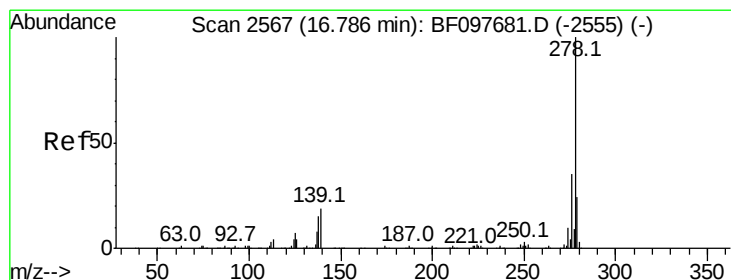
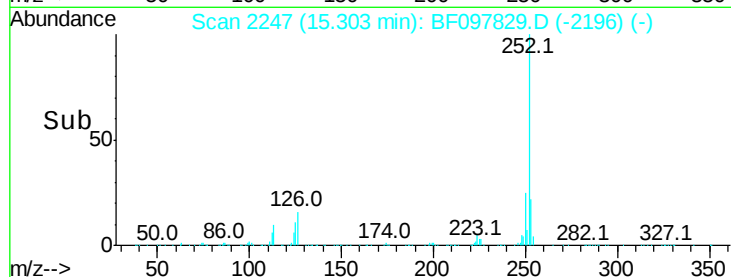
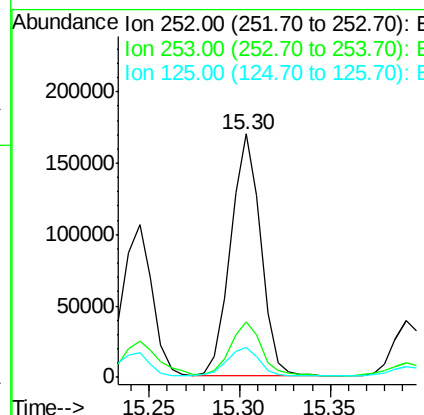
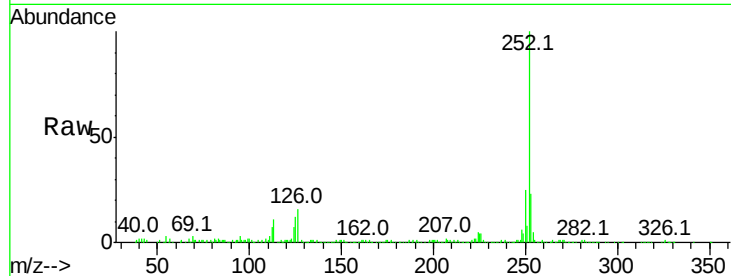
#89
Benzo(a)pyrene
Concen: 19.664 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Instrument :
BNA_F
ClientSampled :
E2-H8-WSW

Tot Ion	Ratio	Resp	Lower	Upper
252	100	194157		
253	22.8		17.5	26.3
125	12.1		11.0	16.4

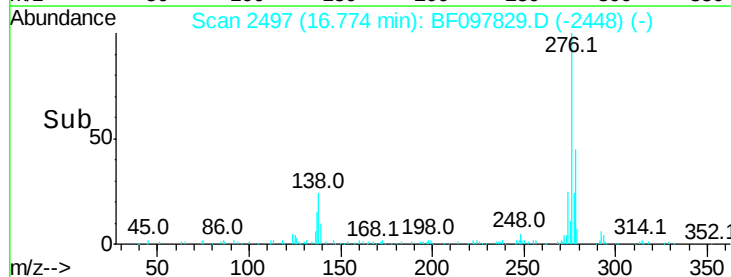
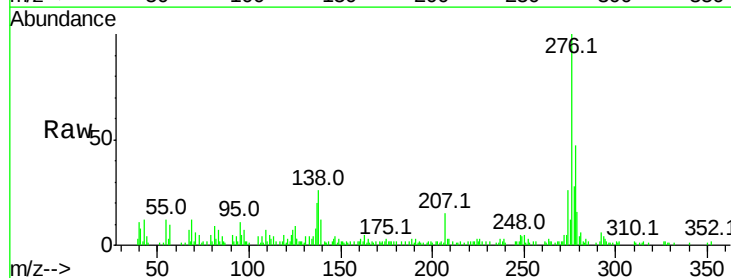
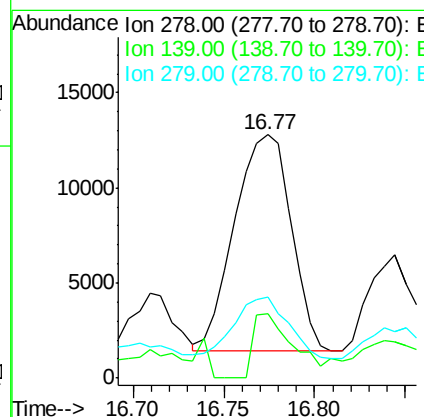
Manual Integrations
APPROVED

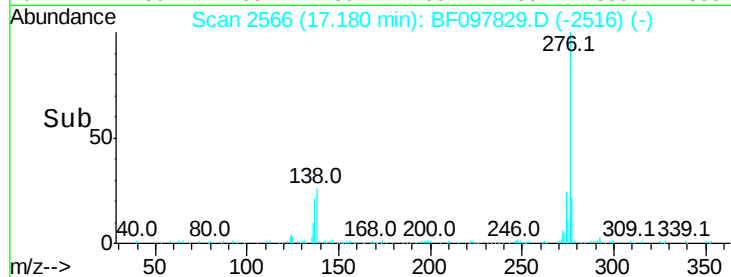
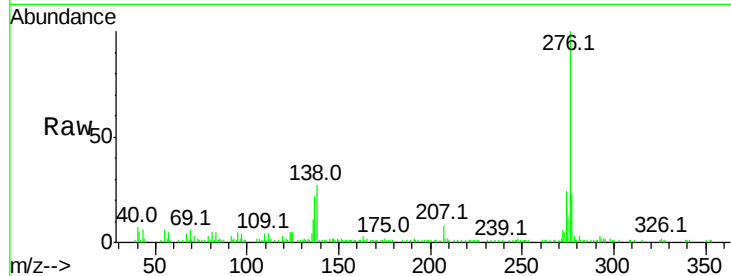
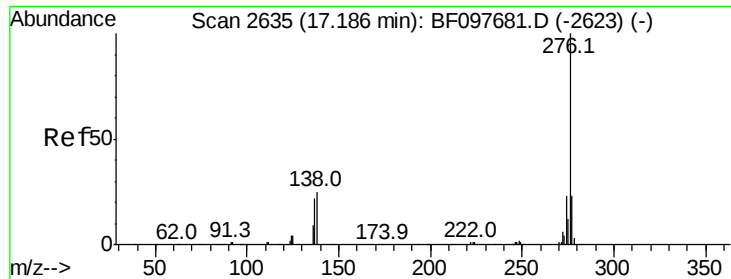
Sohil
8/18/2017 7:02:51 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.077 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BF097829.D
Acq: 18 Aug 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	24735		
139	26.4		16.6	24.8#
279	33.2		19.3	28.9#





#91

Benzo(a,h,i)perylene

Concen: 11.246 ng

RT: 17.18 min Scan# 2566

Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Instrument :

BNA_F

ClientSampleId :

E2-H8-WSW

Tot Ion: 276 Resp: 94328

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 26.8 25.4 38.0

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