

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097370.D
 Acq On : 4 Aug 2017 21:59
 Operator : SJ/JU
 Sample : I4555-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2013

Manual Integrations
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Sohil
 8/7/2017 6:10:04 PM

Quant Time: Aug 05 01:13:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	115790	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	474342	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	180122	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	289235	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	201842	20.00	ng	-0.07
86) Perylene-d12	14.90	264	166335	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	663466	86.38	ng	-0.06
7) Phenol-d6	6.12	99	760217	86.70	ng	-0.05
23) Nitrobenzene-d5	7.01	82	495922	61.33	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	109001	76.59	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	683746	64.42	ng	-0.07
78) Terphenyl-d14	12.51	244	383114	38.70	ng	-0.08

Target Compounds					Qvalue
31) Naphthalene	7.75	128	56483	2.526 ng	98
48) Acenaphthylene	9.32	152	46079	2.652 ng	98
49) Dimethylphthalate	9.20	163	138603	10.133 ng	98
51) Acenaphthene	9.49	154	35031	3.422 ng	97
54) Dibenzofuran	9.67	168	48584	3.563 ng	97
57) Fluorene	10.00	166	51826	5.057 ng	99
70) Phenanthrene	10.96	178	544508	35.136 ng	99
71) Anthracene	11.01	178	162955	10.266 ng	98
72) Carbazole	11.17	167	86383	5.534 ng	98
74) Fluoranthene	12.14	202	628110	41.372 ng	99
77) Pyrene	12.36	202	576765	34.904 ng	99
80) Benzo(a)anthracene	13.54	228	354522	27.146 ng	99
82) Chrysene	13.58	228	309931	24.303 ng	98
83) Bis(2-ethylhexyl)phthalate	13.56	149	27669	2.521 ng	99
85) Indeno(1,2,3-cd)pyrene	16.10	276	103421	9.458 ng	96
87) Benzo(b)fluoranthene	14.54	252	363153m	36.320 ng	
88) Benzo(k)fluoranthene	14.57	252	94082m	9.874 ng	
89) Benzo(a)pyrene	14.84	252	207777	22.705 ng	97
90) Dibenzo(a,h)anthracene	16.09	278	28526m	3.801 ng	
91) Benzo(a,h,i)perylene	16.45	276	89589	11.384 ng	97

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

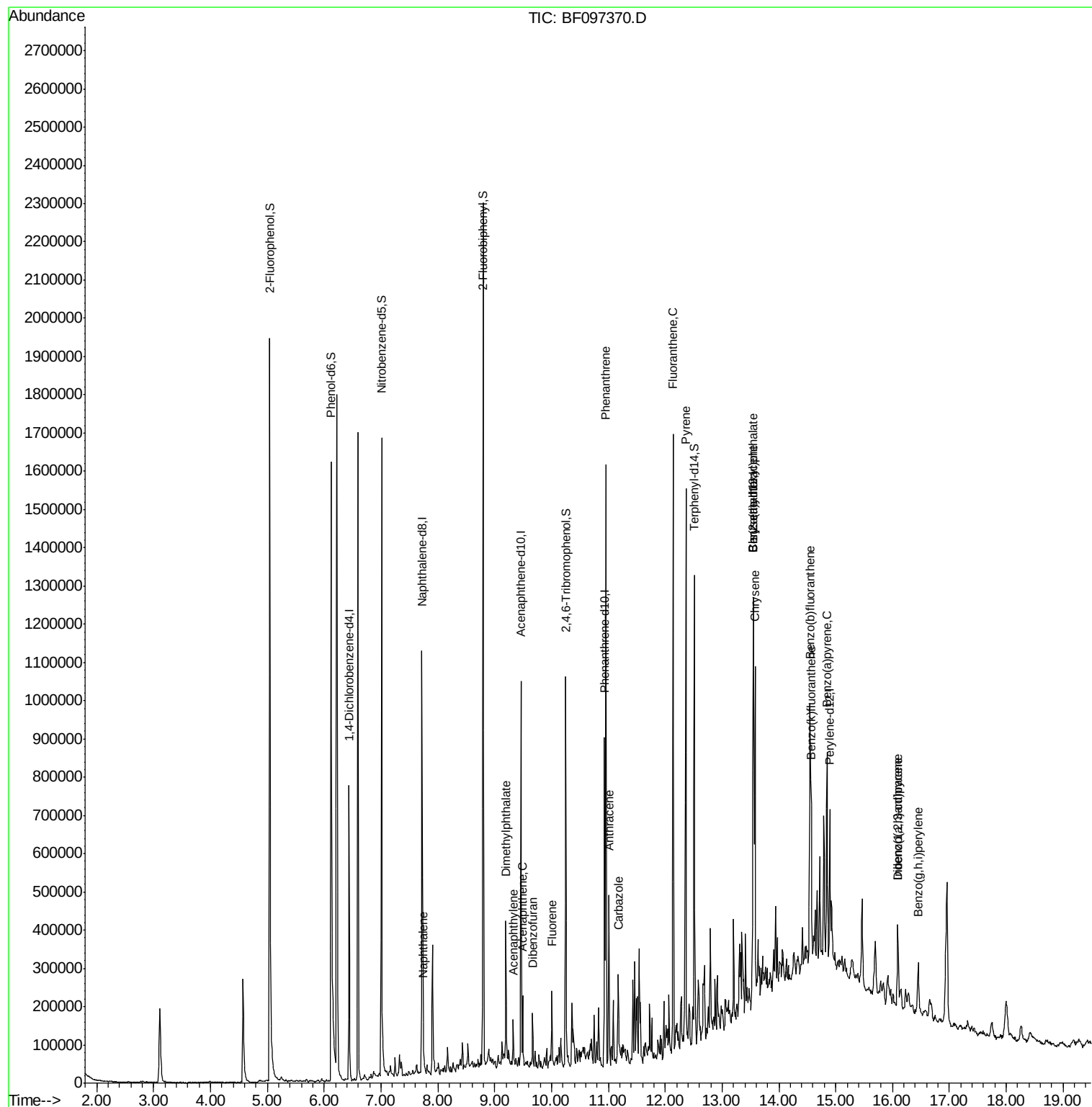
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097370.D
Acq On : 4 Aug 2017 21:59
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Sample : I4555-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

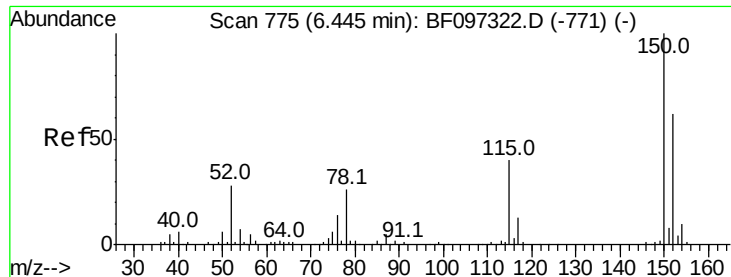
Instrument :
BNA_F
ClientSampleId :
2013

Manual Integrations
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Quant Time: Aug 05 01:13:17 2017
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#1

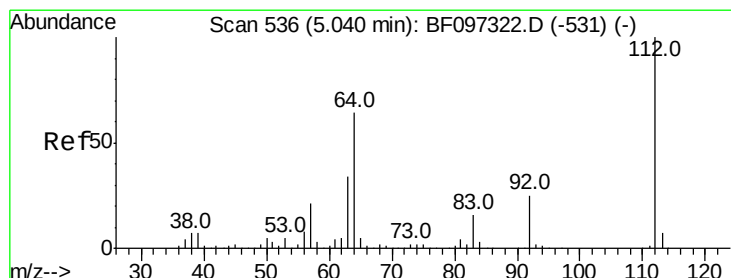
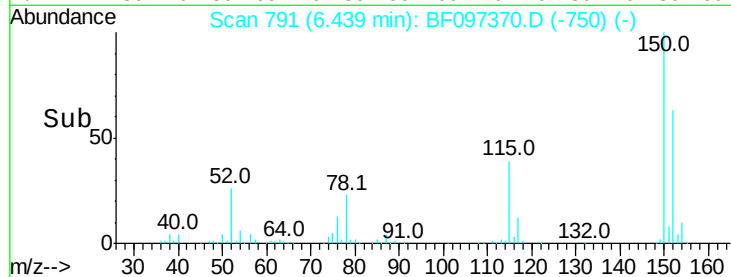
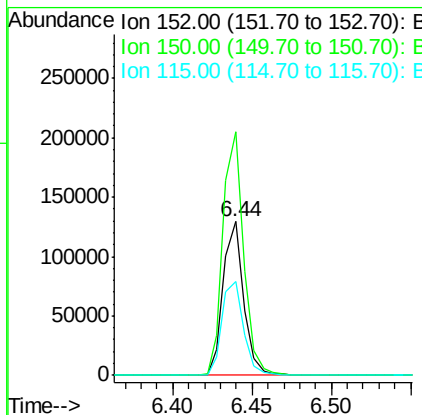
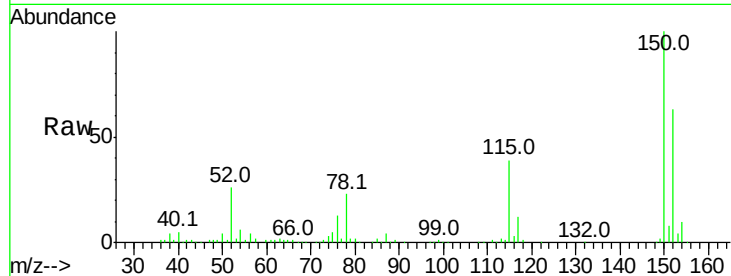
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Instrument :
BNA_F
ClientSampled :
2013

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.2	189.2
115	61.3	52.2	78.2

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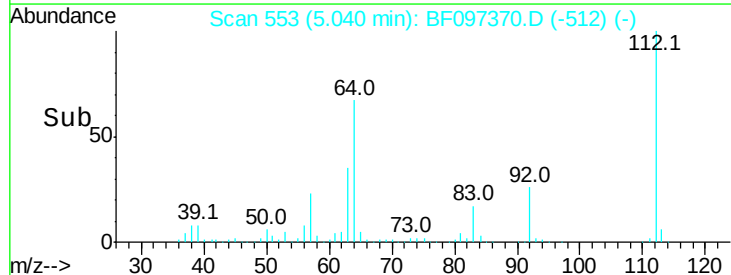
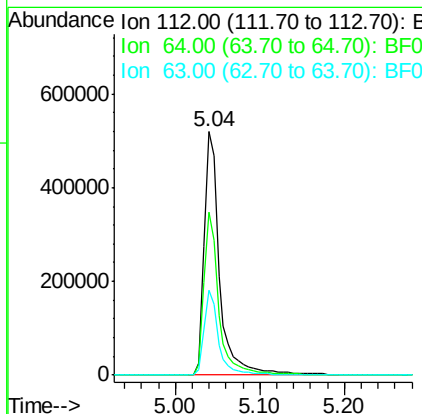
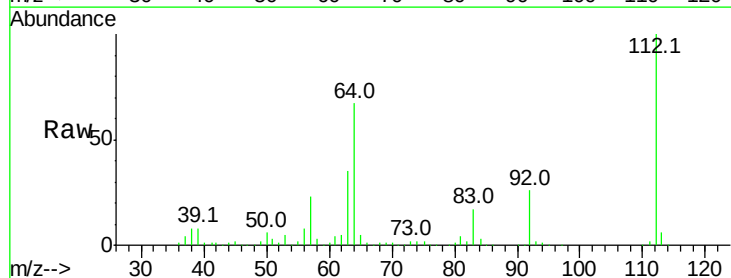
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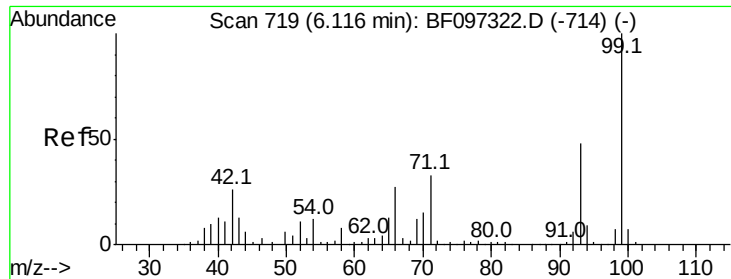


#5

2-Fluorophenol
Concen: 86.378 ng
RT: 5.04 min Scan# 553
Delta R.T. -0.06 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	46.0	69.0
63	35.1	23.4	35.0





#7

Phenol-d6

Concen: 86.696 ng

RT: 6.12 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF097370.D

Acq: 4 Aug 2017 21:59

Instrument :

BNA_F

ClientSampled :

2013

Tot Ion: 99 Resp: 760217

Ion Ratio Lower Upper

99 100

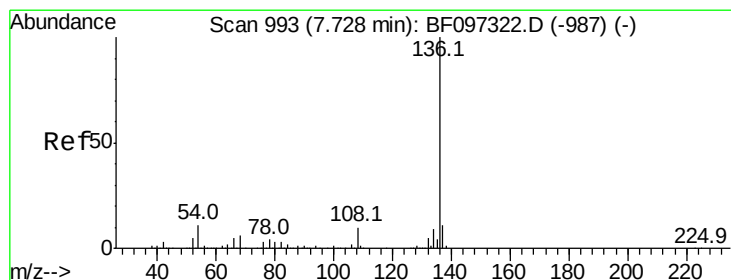
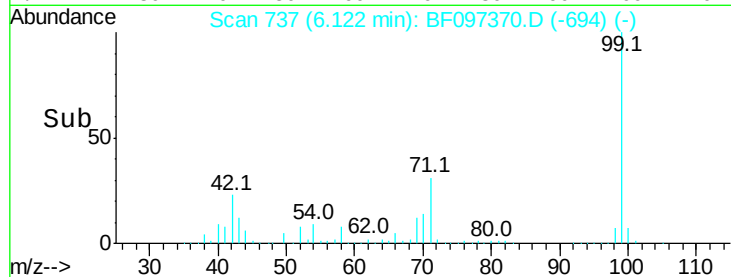
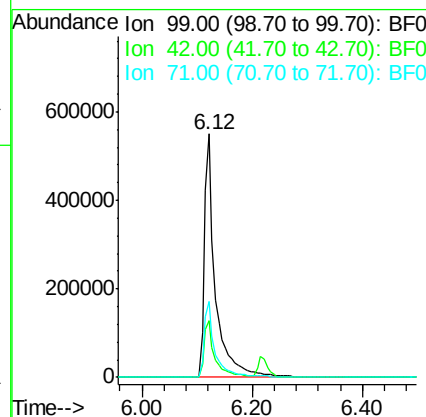
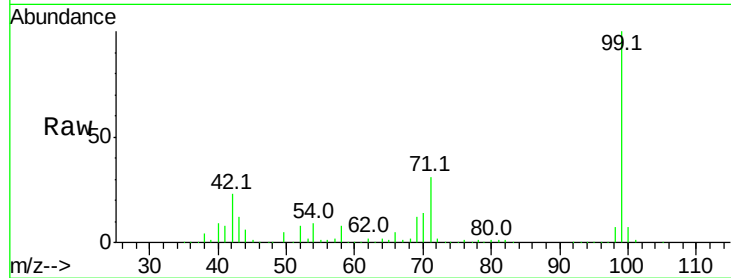
42 23.1 13.5 20.3#

71 31.4 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.72 min Scan# 1009

Delta R.T. -0.06 min

Lab File: BF097370.D

Acq: 4 Aug 2017 21:59

Tgt Ion: 136 Resp: 474342

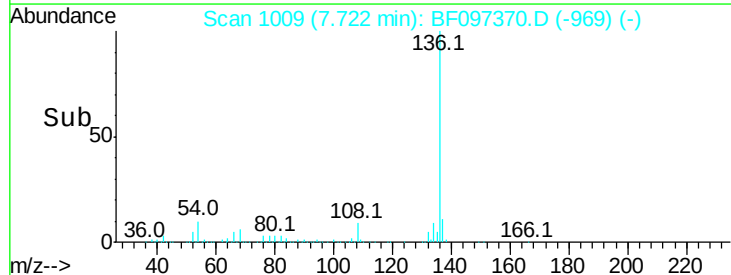
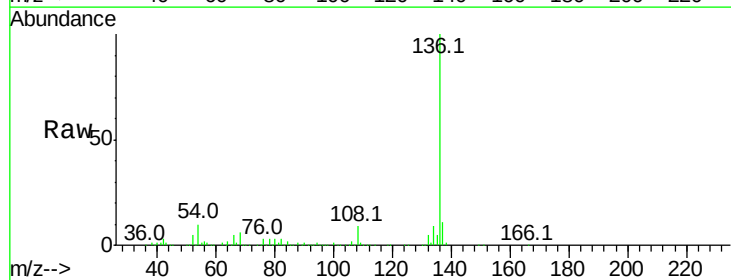
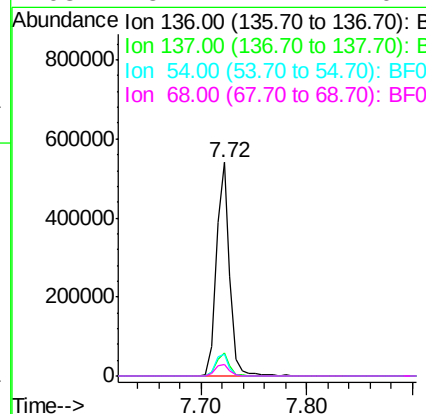
Ion Ratio Lower Upper

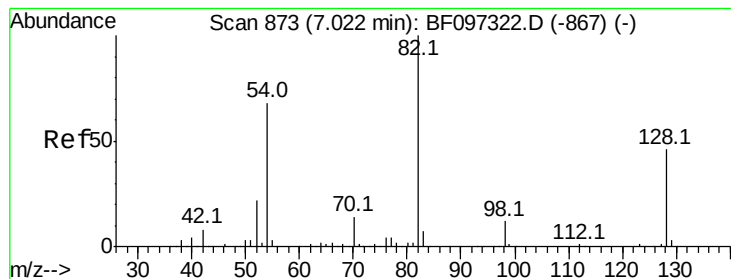
136 100

137 10.9 8.5 12.7

54 10.3 4.9 7.3#

68 5.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 61.333 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.06 min

Lab File: BF097370.D

Acq: 4 Aug 2017 21:59

Instrument :

BNA_F

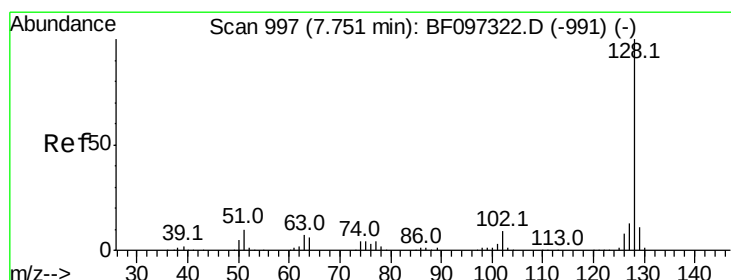
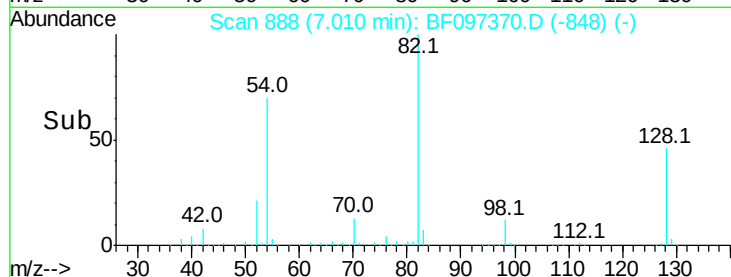
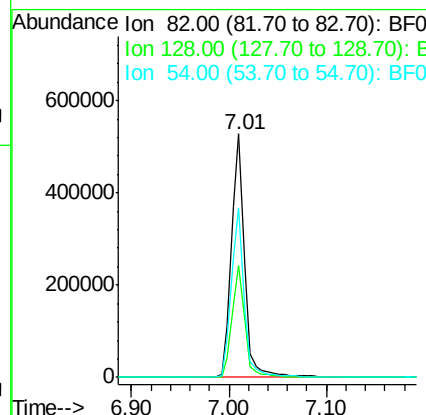
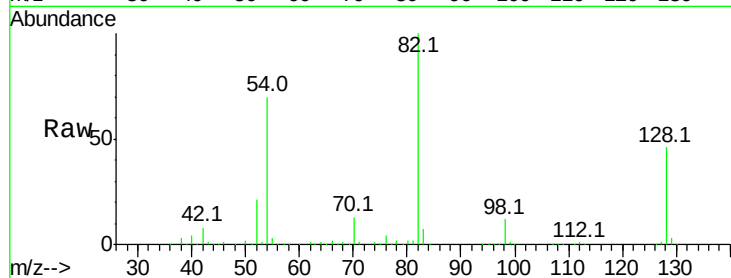
ClientSampled :
2013

Tot Ion: 82 Resp: 495922
Ion Ratio Lower Upper

82	100		
128	45.7	34.0	51.0
54	69.7	42.2	63.2

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#31

Naphthalene

Concen: 2.526 ng

RT: 7.75 min Scan# 1013

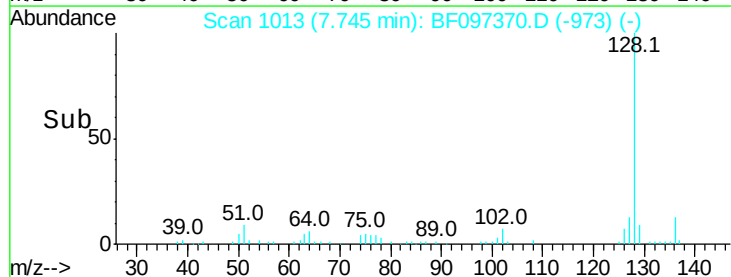
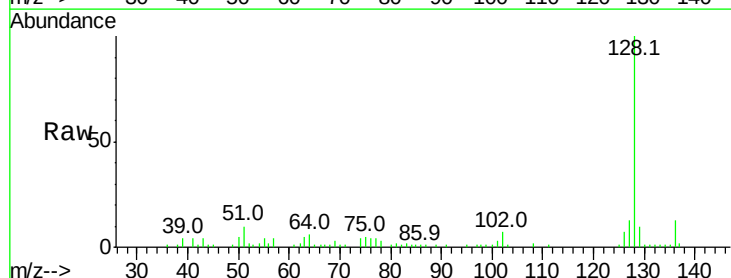
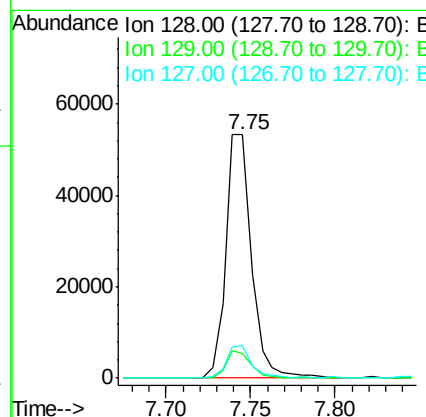
Delta R.T. -0.06 min

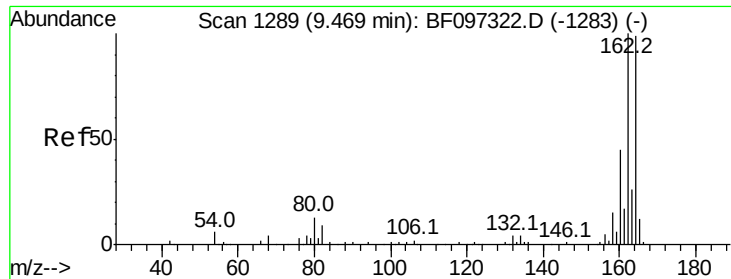
Lab File: BF097370.D

Acq: 4 Aug 2017 21:59

Tgt Ion: 128 Resp: 56483
Ion Ratio Lower Upper

128	100		
129	10.0	9.0	13.6
127	13.1	10.8	16.2





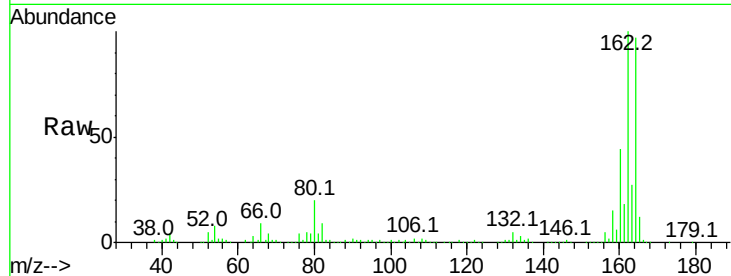
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.46 min Scan# 1305
 Delta R.T. -0.07 min
 Lab File: BF097370.D
 Acq: 4 Aug 2017 21:59

Instrument :
 BNA_F
 ClientSampled :
 2013

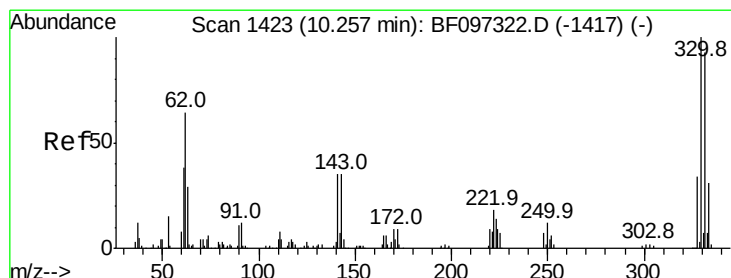
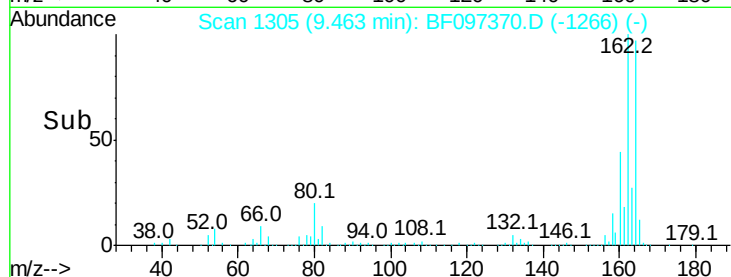
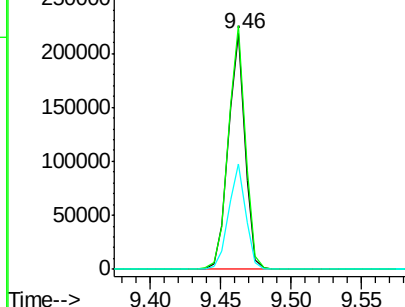
Tot Ion	Ratio	Resp	Lower	Upper
164	100	180122		
162	103.3	82.6	123.8	
160	45.0	36.2	54.2	

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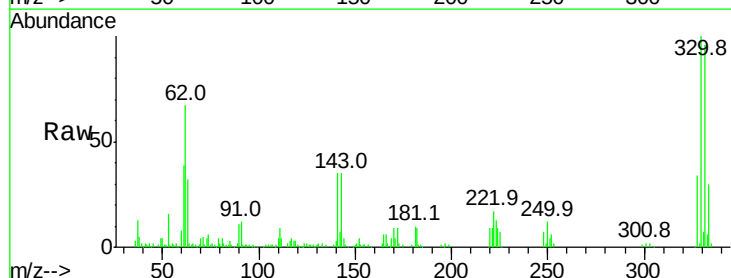


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

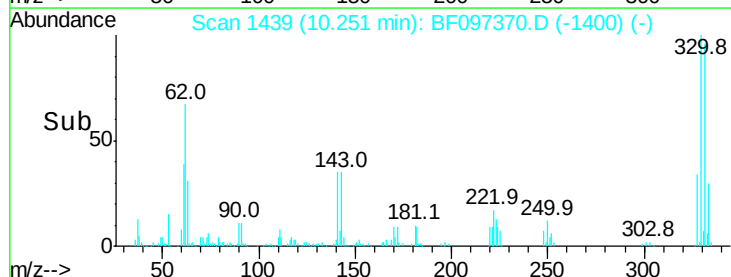
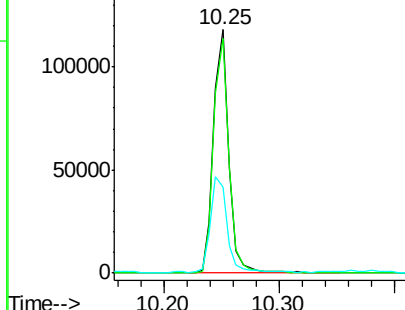


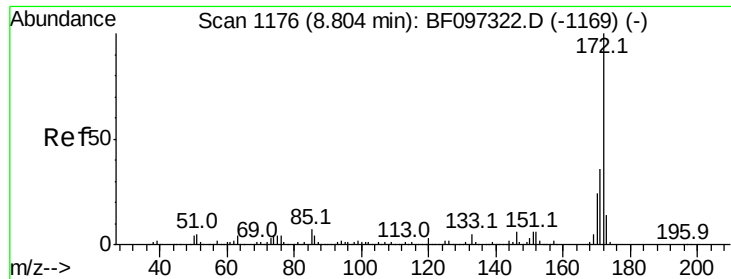
#41
 2,4,6-Tribromophenol
 Concen: 76.592 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097370.D
 Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	109001		
332	97.0	76.6	115.0	
141	43.8	31.4	47.2	



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





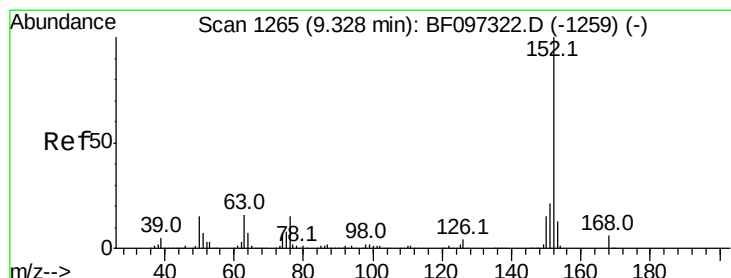
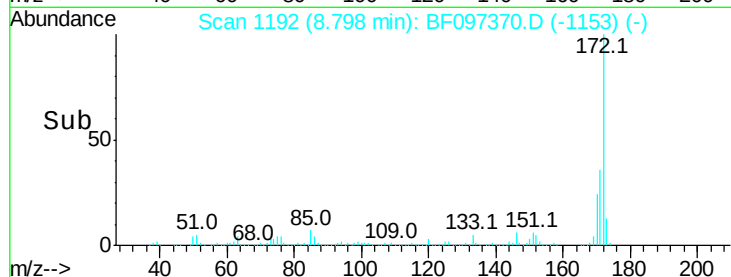
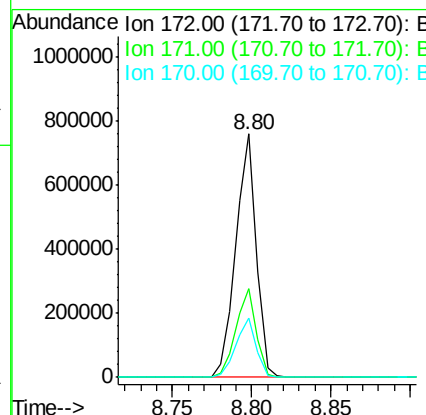
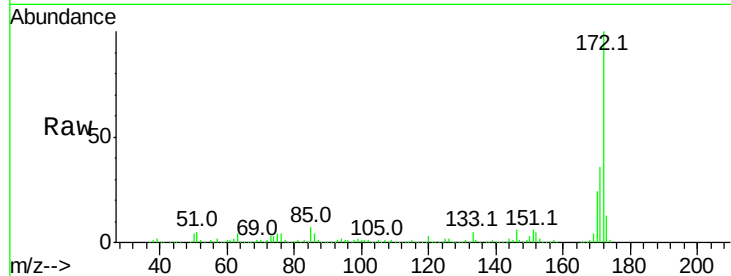
#44
2-Fluorobiphenyl
Concen: 64.422 ng
RT: 8.80 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Instrument :
BNA_F
ClientSampled :
2013

Tot Ion	Ratio	Resp	Lower	Upper
172	100	683746		
171	36.3		29.6	44.4
170	24.4		19.8	29.8

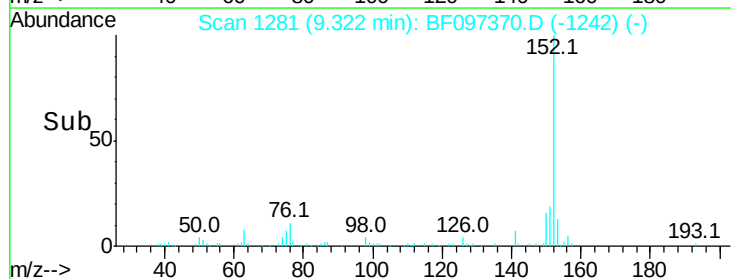
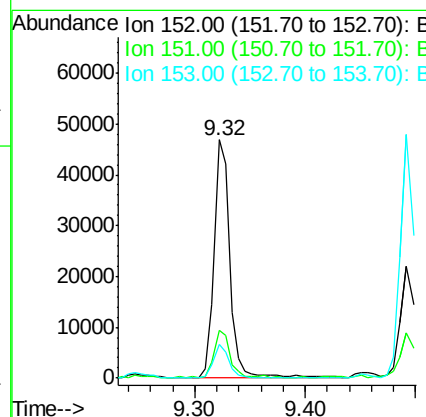
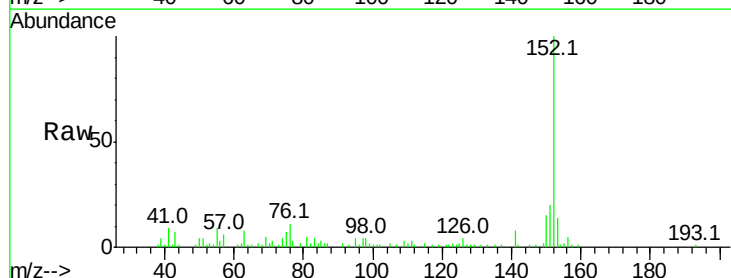
Manual Integrations
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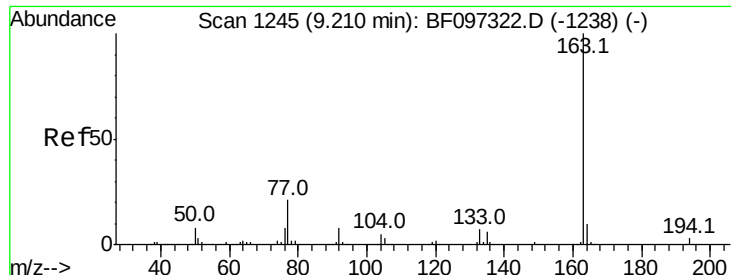
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#48
Acenaphthylene
Concen: 2.652 ng
RT: 9.32 min Scan# 1281
Delta R.T. -0.07 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	46079		
151	19.8		16.8	25.2
153	13.9		10.8	16.2





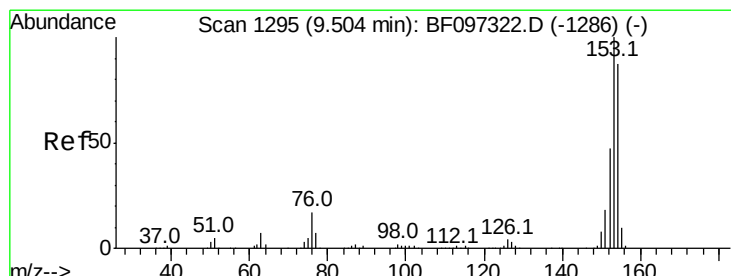
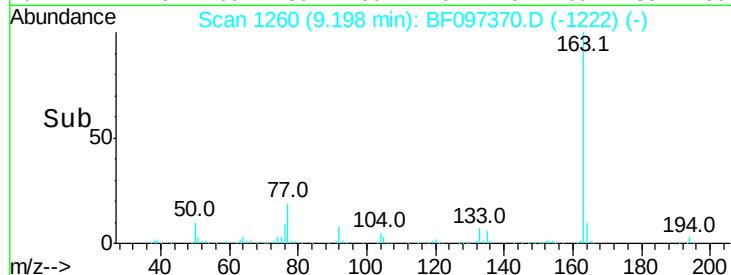
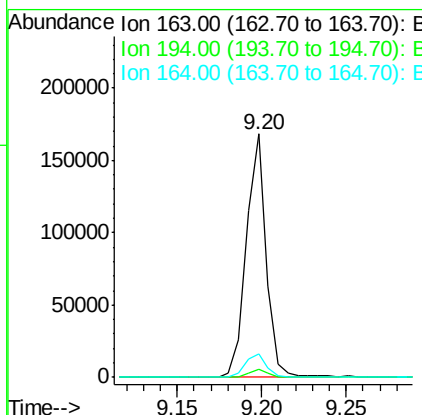
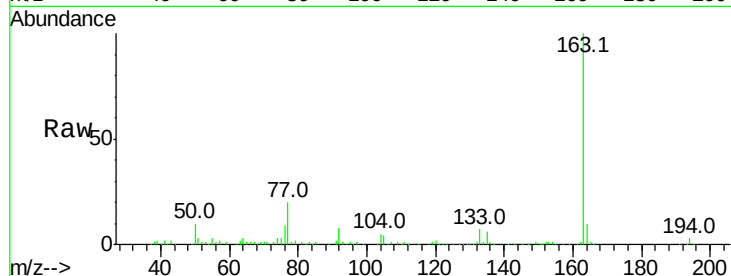
#49
Dimethylphthalate
Concen: 10.133 ng
RT: 9.20 min Scan# 1260
Delta R.T. -0.08 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Instrument :
BNA_F
ClientSampled :
2013

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.6	4.0	
164	9.6	8.4	12.6	

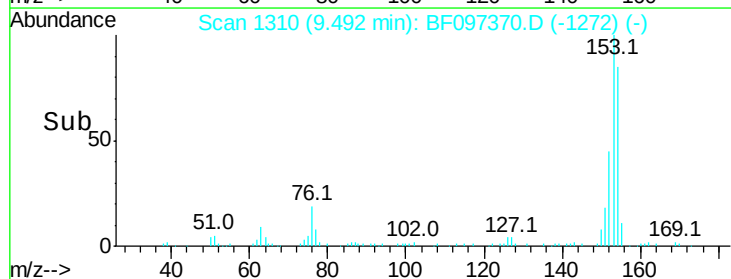
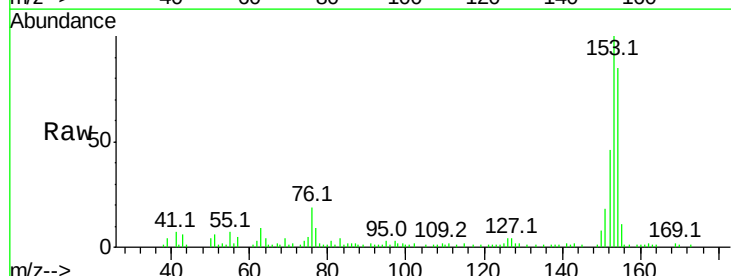
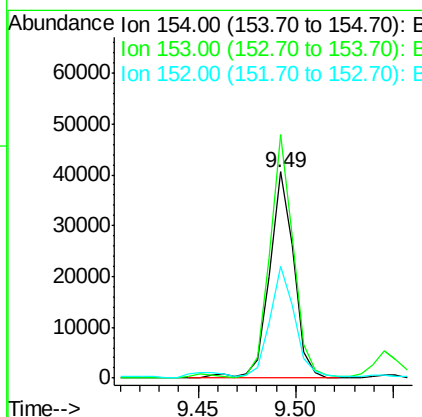
Manual Integrations
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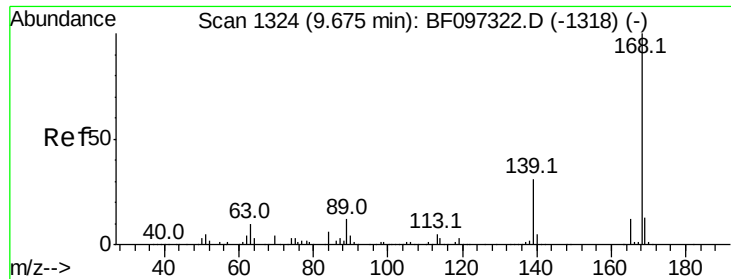
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#51
Acenaphthene
Concen: 3.422 ng
RT: 9.49 min Scan# 1310
Delta R.T. -0.08 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	118.2	90.5	135.7	
152	54.4	43.6	65.4	





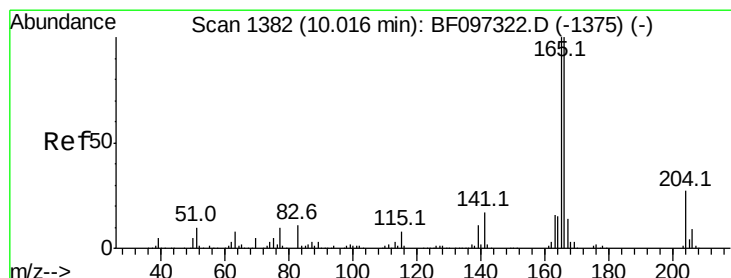
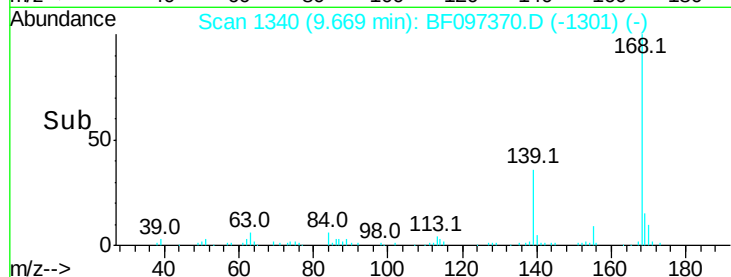
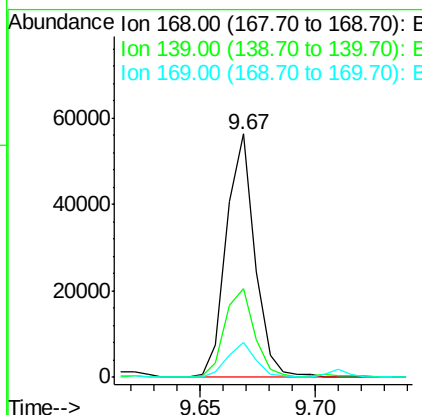
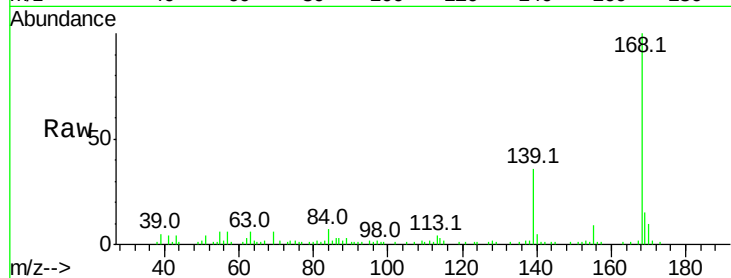
#54
Dibenzofuran
Concen: 3.563 ng
RT: 9.67 min Scan# 1340
Delta R.T. -0.07 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Instrument :
BNA_F
ClientSampleId :
2013

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.6	45.8
169	14.6	10.8	16.2

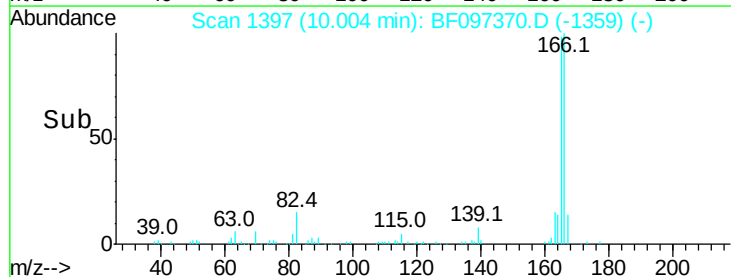
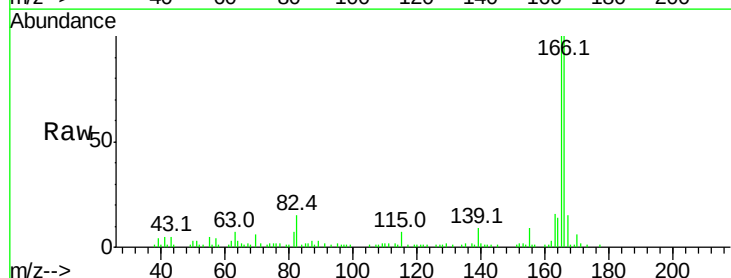
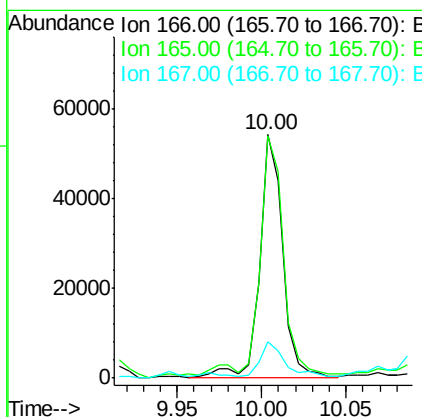
Manual Integrations
APPROVED

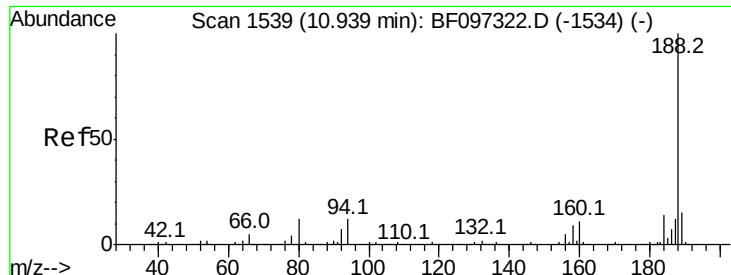
Sohil
8/7/2017 6:10:04 PM



#57
Fluorene
Concen: 5.057 ng
RT: 10.00 min Scan# 1397
Delta R.T. -0.08 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.8	118.2
167	15.1	10.6	16.0





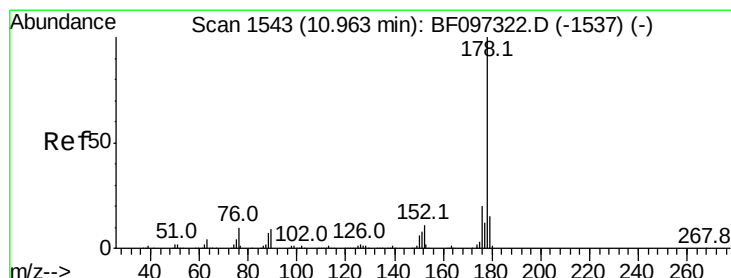
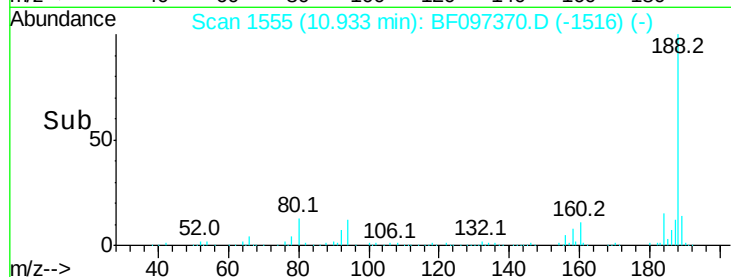
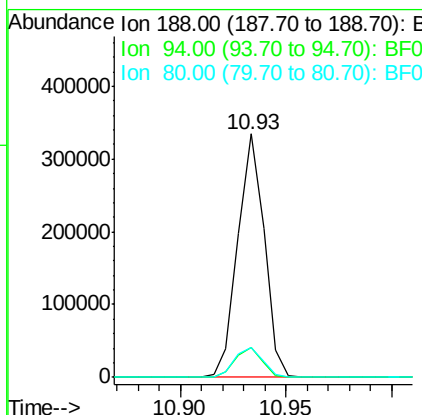
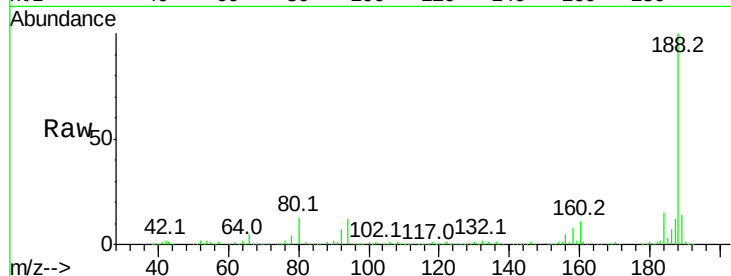
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Instrument :
BNA_F
ClientSampled :
2013

Tot Ion	Ratio	Resp	Lower	Upper
188	100	289235		
94	12.3		9.4	14.2
80	12.5		10.2	15.2

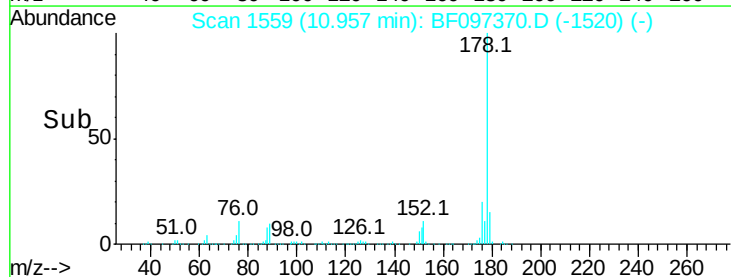
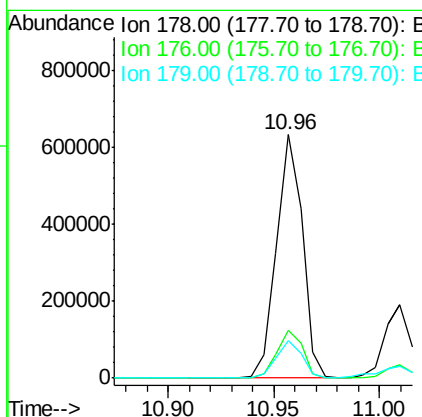
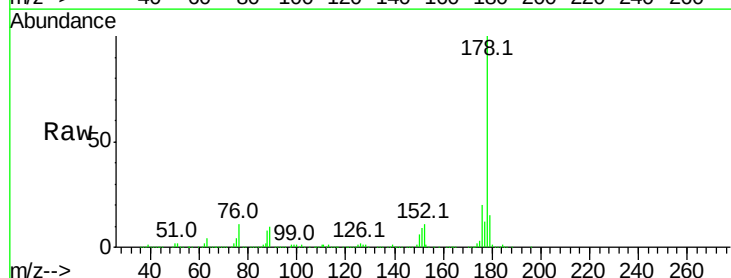
Manual Integrations
APPROVED

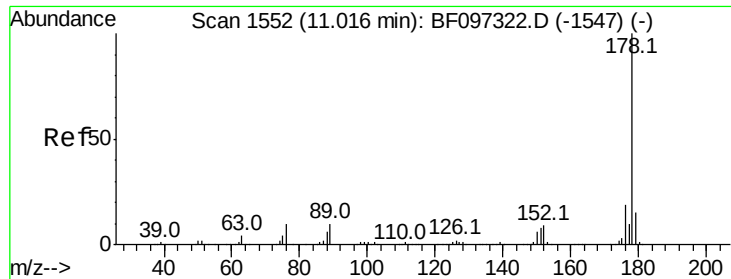
Sohil
8/7/2017 6:10:04 PM



#70
Phenanthrene
Concen: 35.136 ng
RT: 10.96 min Scan# 1559
Delta R.T. -0.07 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	544508		
176	19.8		16.2	24.4
179	15.4		12.6	19.0





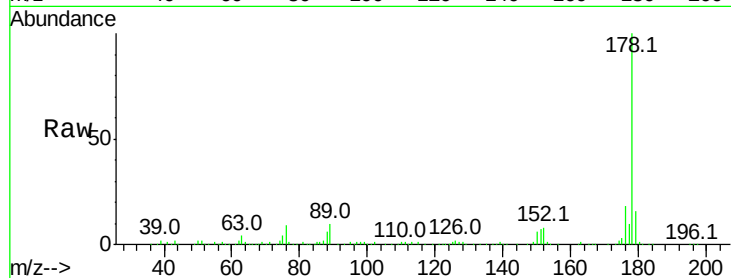
#71
 Anthracene
 Concen: 10.266 ng
 RT: 11.01 min Scan# 1568
 Delta R.T. -0.07 min
 Lab File: BF097370.D
 Acq: 4 Aug 2017 21:59

Instrument :
 BNA_F
 ClientSampled :
 2013

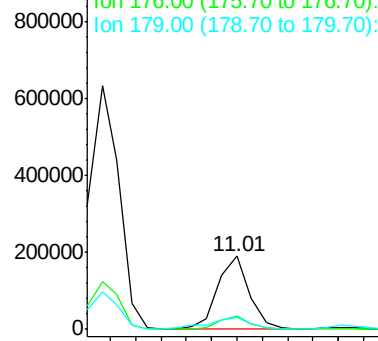
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	16.0	12.7	19.1

Manual Integrations
 APPROVED

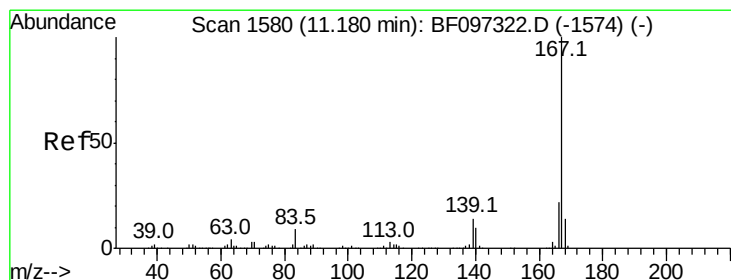
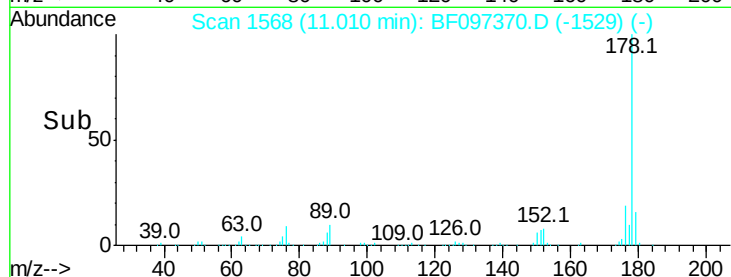
Sohil
 8/7/2017 6:10:04 PM



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



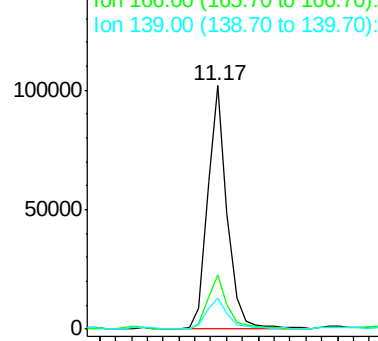
Time-->



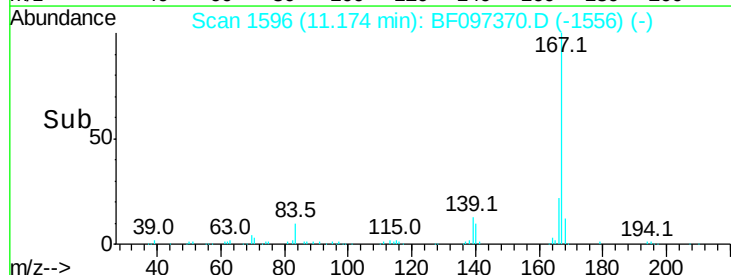
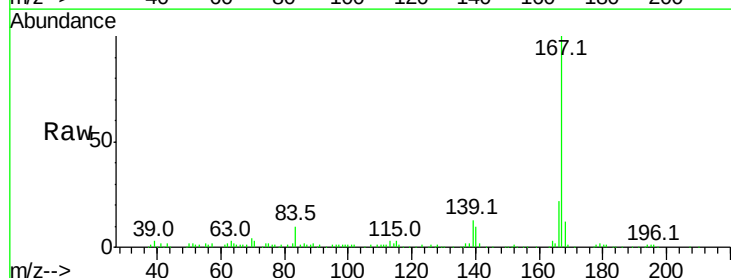
#72
 Carbazole
 Concen: 5.534 ng
 RT: 11.17 min Scan# 1596
 Delta R.T. -0.06 min
 Lab File: BF097370.D
 Acq: 4 Aug 2017 21:59

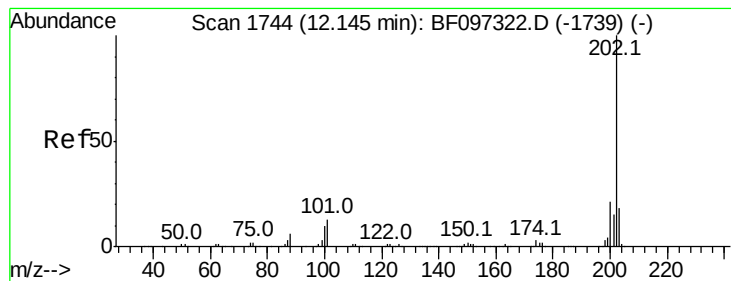
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.1	27.1
139	13.0	11.7	17.5

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



Time-->





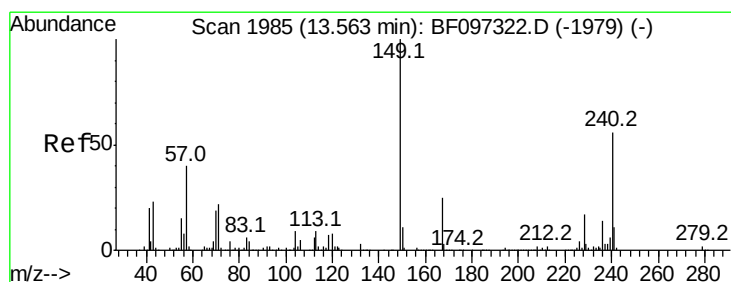
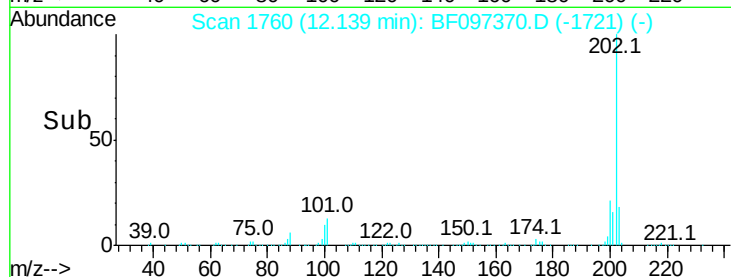
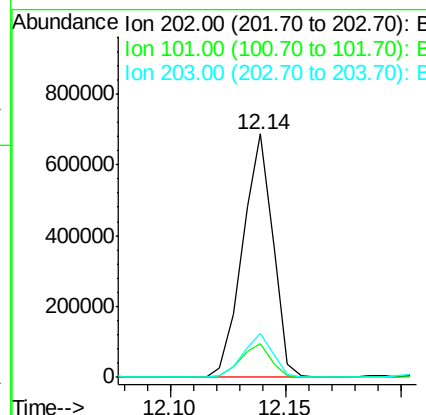
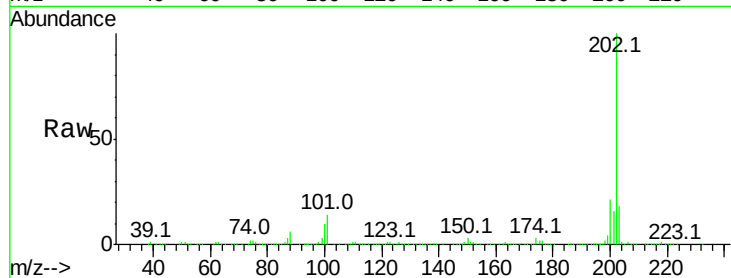
#74
Fluoranthene
Concen: 41.372 ng
RT: 12.14 min Scan# 1760
Delta R.T. -0.07 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Instrument :
BNA_F
ClientSampled :
2013

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.9	0.0	38.1

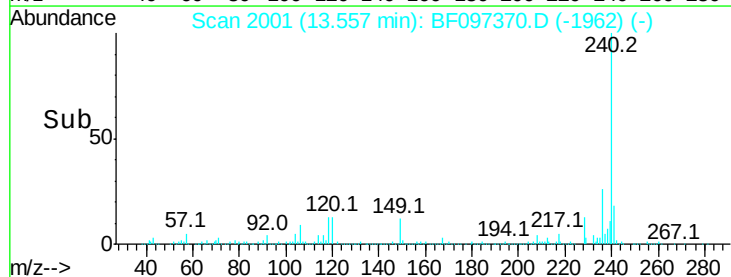
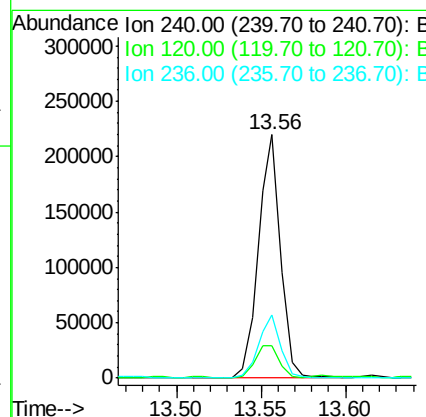
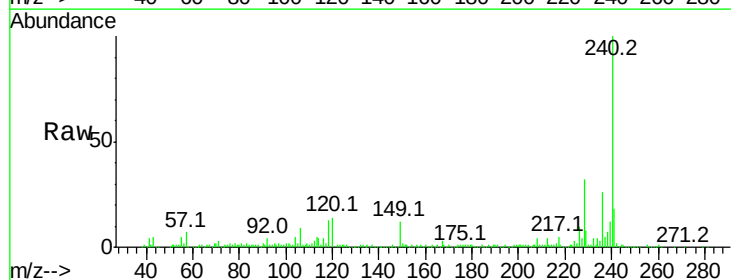
Manual Integrations
APPROVED

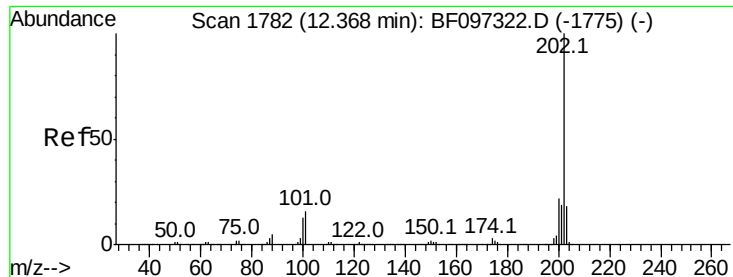
Sohil
8/7/2017 6:10:04 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.07 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	26.0	20.5	30.7





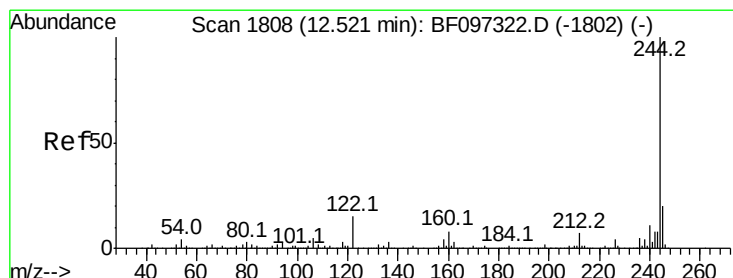
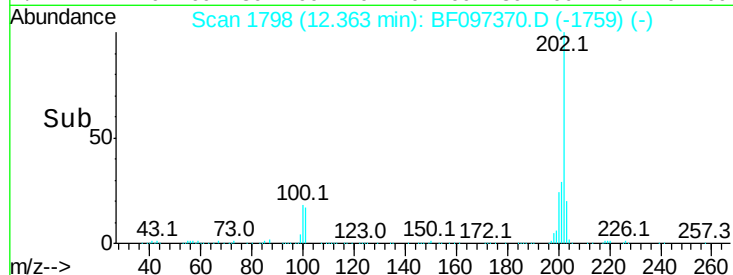
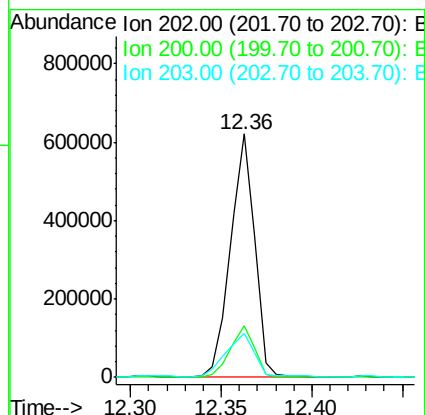
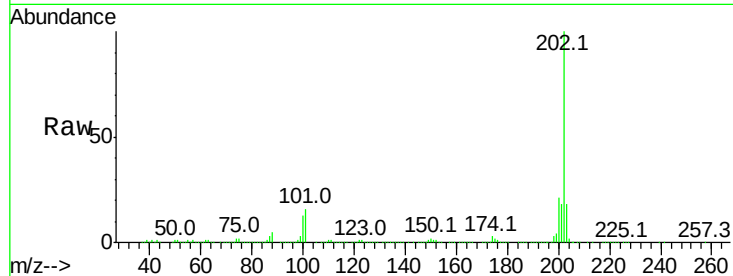
#77
Pvrene
Concen: 34.904 ng
RT: 12.36 min Scan# 1798
Delta R.T. -0.07 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Instrument :
BNA_F
ClientSampleId :
2013

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	18.2	14.4	21.6

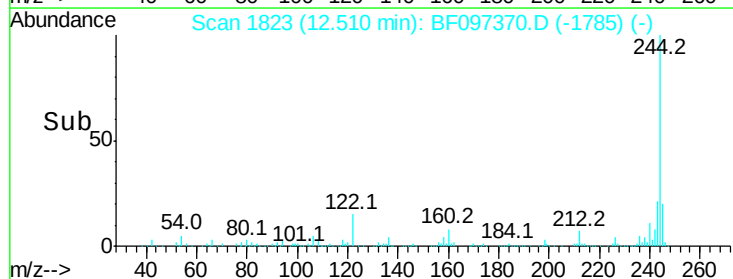
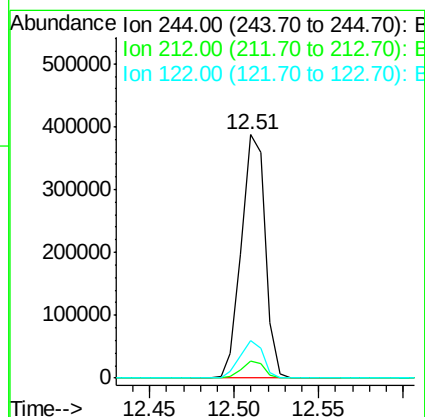
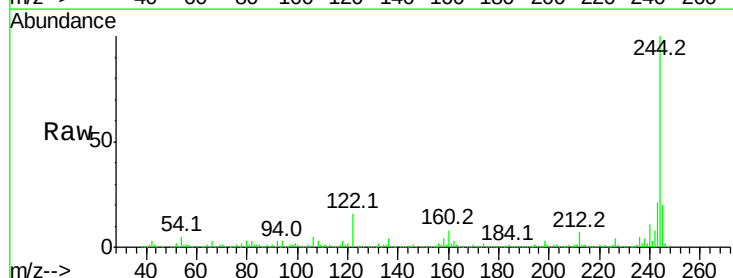
Manual Integrations
APPROVED

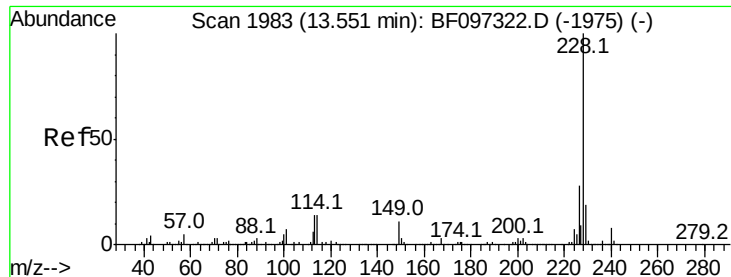
Sohil
8/7/2017 6:10:04 PM



#78
Terphenyl-d14
Concen: 38.699 ng
RT: 12.51 min Scan# 1823
Delta R.T. -0.08 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	15.6	10.3	15.5#





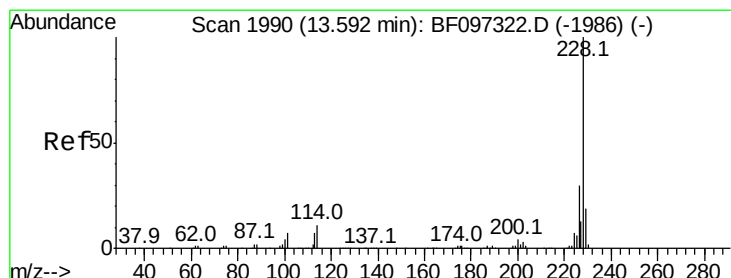
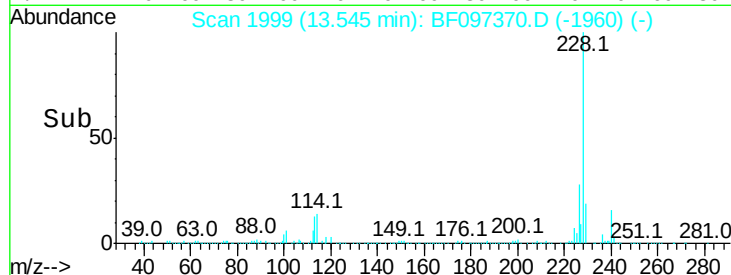
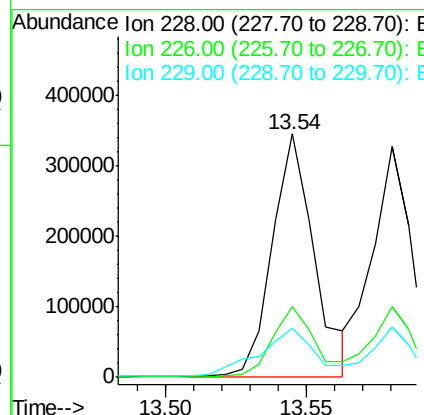
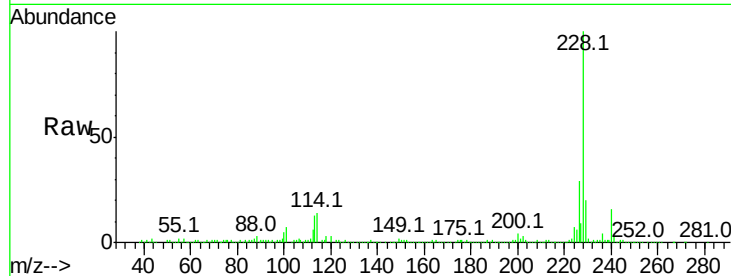
#80
Benzo(a)anthracene
Concen: 27.146 ng
RT: 13.54 min Scan# 1999
Delta R.T. -0.07 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Instrument :
BNA_F
ClientSampled :
2013

Tot Ion	Ratio	Resp	Lower	Upper
228	100	354522		
226	29.1	22.6	33.8	
229	20.3	16.3	24.5	

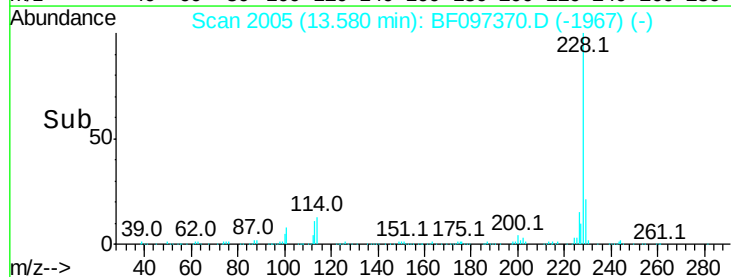
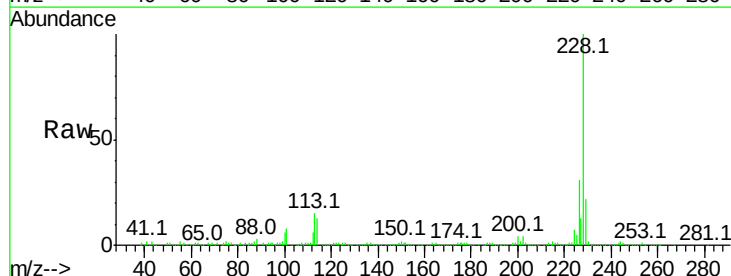
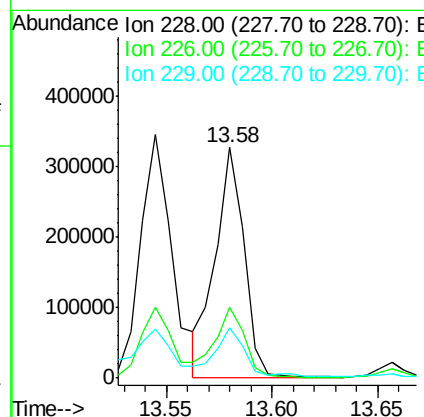
Manual Integrations
APPROVED

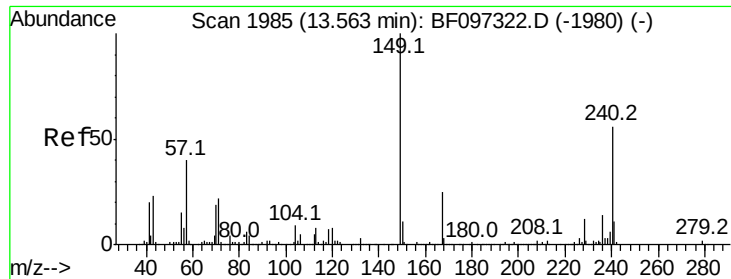
Sohil
8/7/2017 6:10:04 PM



#82
Chrysene
Concen: 24.303 ng
RT: 13.58 min Scan# 2005
Delta R.T. -0.08 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	309931		
226	30.7	24.9	37.3	
229	21.7	15.8	23.6	





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.521 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.08 min

Lab File: BF097370.D

Acq: 4 Aug 2017 21:59

Instrument :

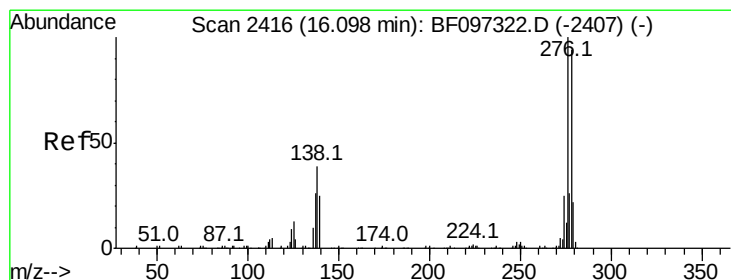
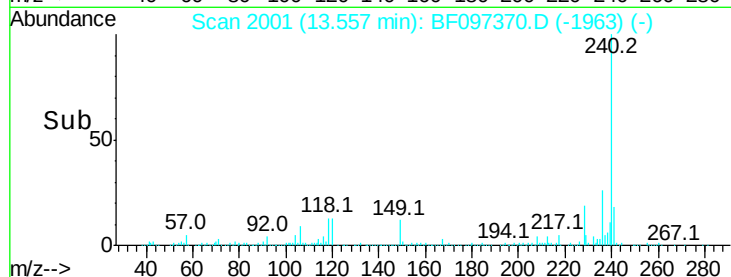
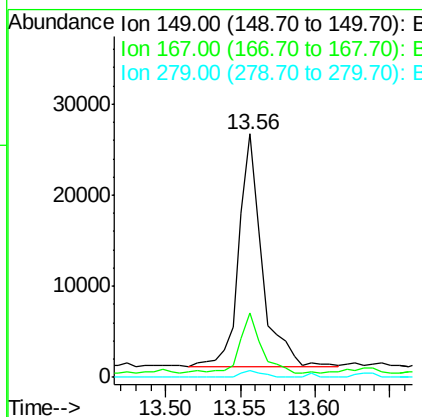
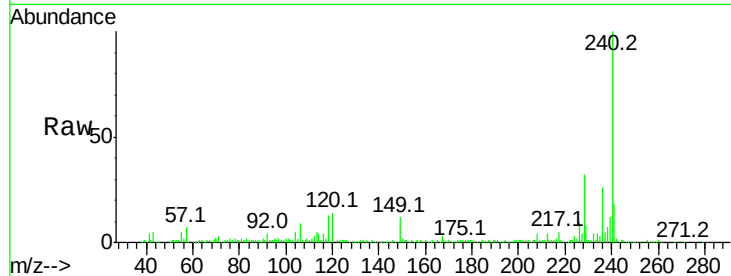
BNA_F

ClientSampled :
2013

Tot Ion:	149	Resp:	27669
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.0	31.4
279	2.7	1.9	2.9

Manual Integrations
APPROVED

Sohil
8/7/2017 6:10:04 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.458 ng

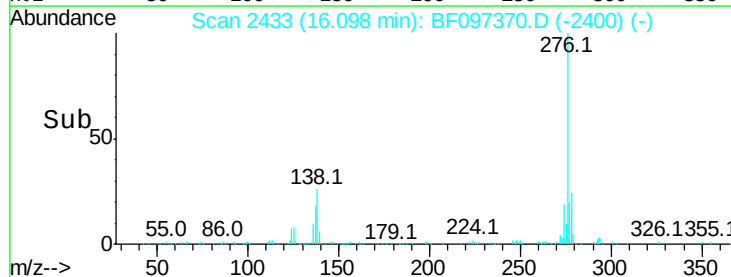
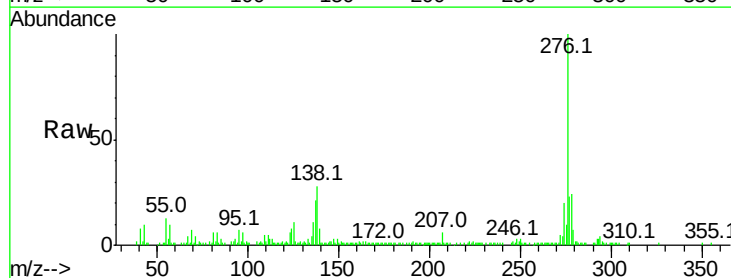
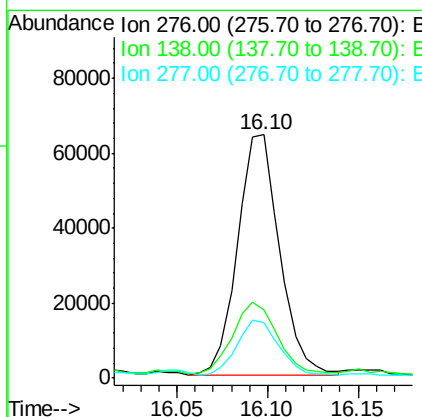
RT: 16.10 min Scan# 2433

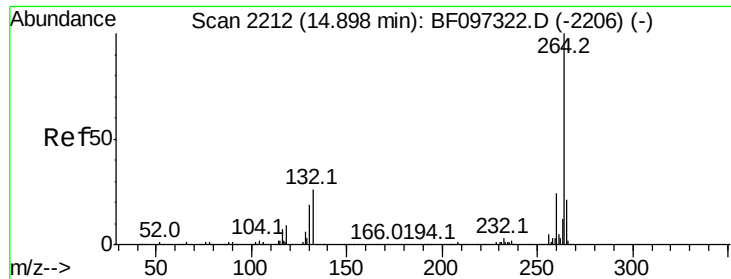
Delta R.T. -0.11 min

Lab File: BF097370.D

Acq: 4 Aug 2017 21:59

Tgt Ion:	276	Resp:	103421
Ion Ratio	Lower	Upper	
276	100		
138	32.9	27.8	41.6
277	23.2	20.2	30.4





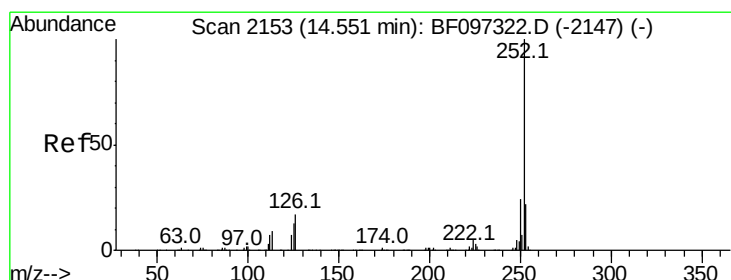
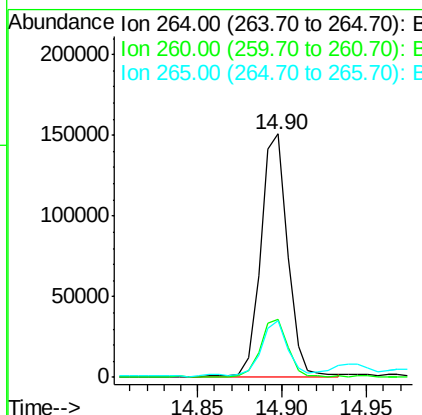
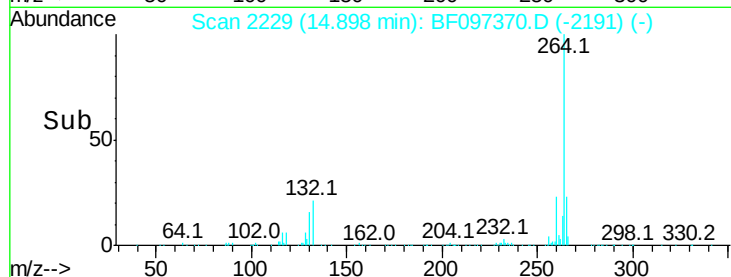
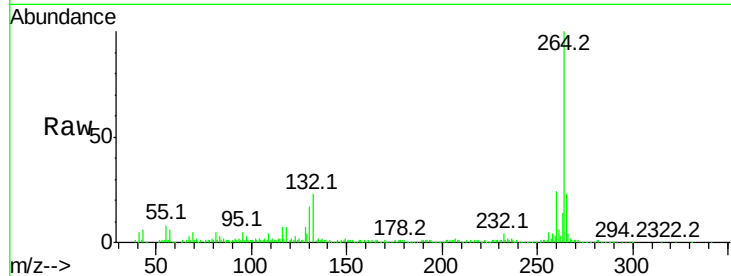
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.90 min Scan# 2229
Delta R.T. -0.08 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Instrument :
BNA_F
ClientSampleId :
2013

Tot Ion	Ratio	Resp	Lower	Upper
264	100	166335		
260	23.8	19.5	29.3	
265	23.4	17.2	25.8	

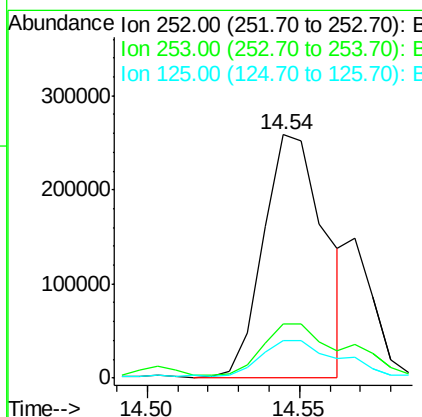
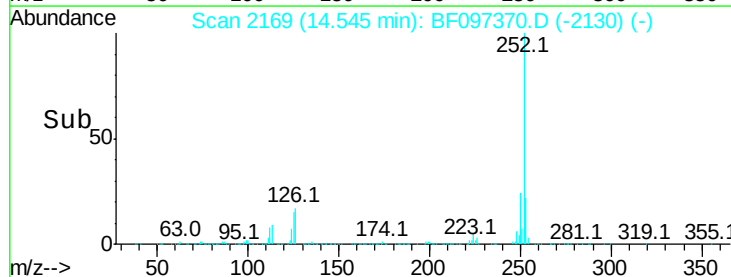
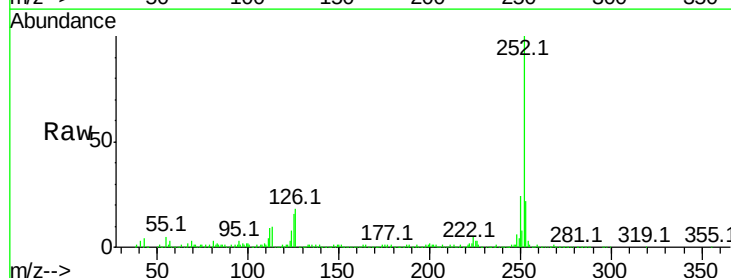
Manual Integrations
APPROVED

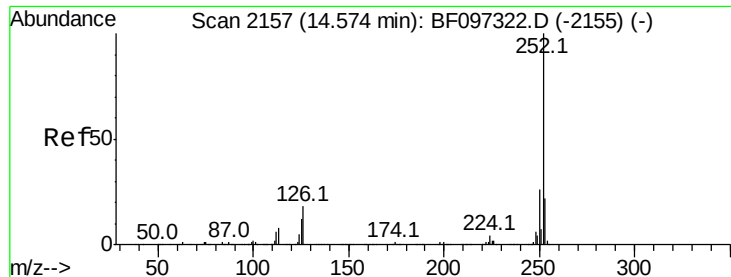
Sohil
8/7/2017 6:10:04 PM



#87
Benzo(b)fluoranthene
Concen: 36.320 ng m
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	363153		
253	22.3	18.1	27.1	
125	15.6	9.8	14.8#	





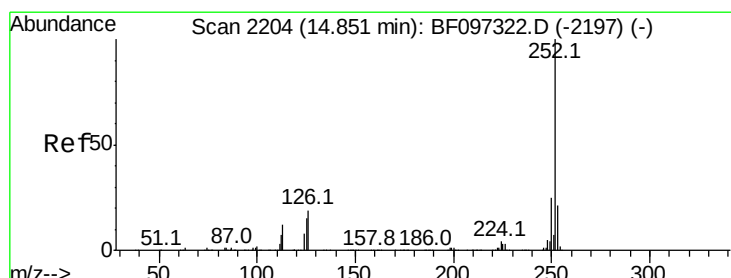
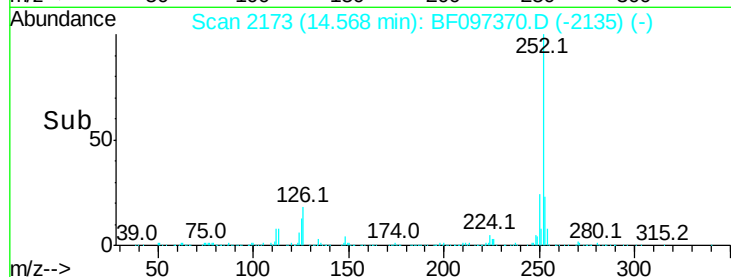
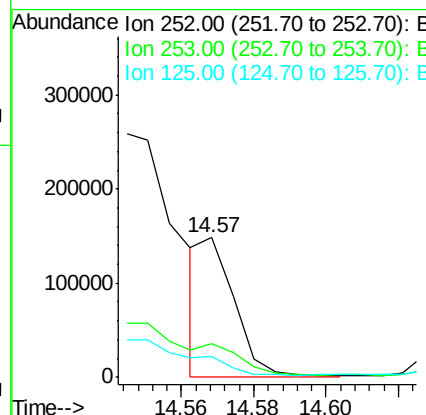
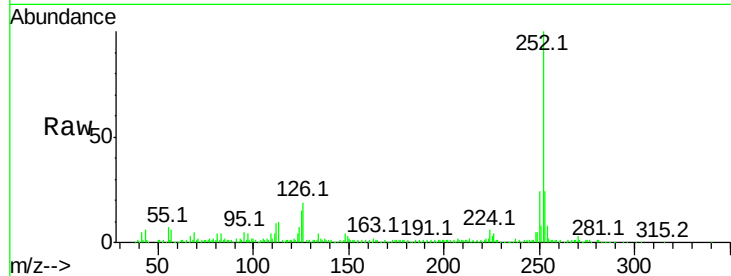
#88
Benzo(k)fluoranthene
Concen: 9.874 ng m
RT: 14.57 min Scan# 2173
Delta R.T. -0.08 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Instrument :
BNA_F
ClientSampleId :
2013

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.4	27.6
125	14.9	13.1	19.7

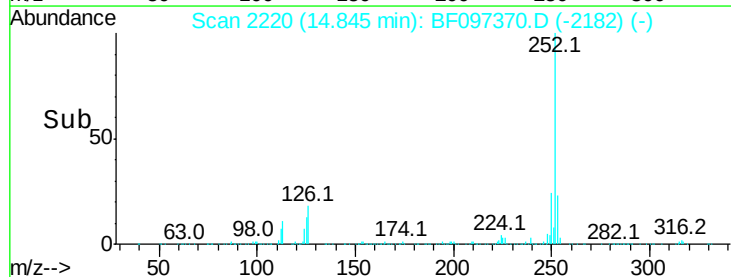
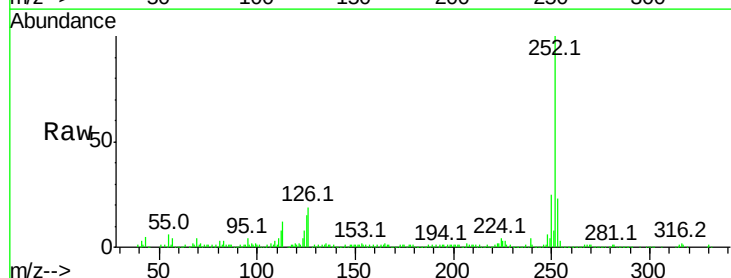
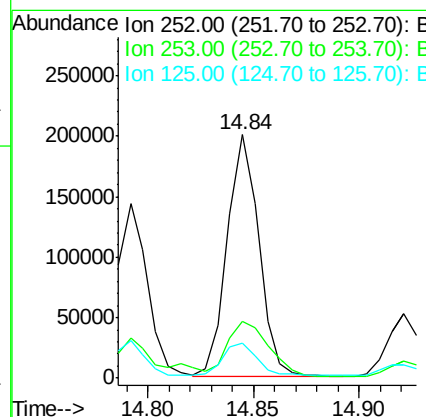
Manual Integrations
APPROVED

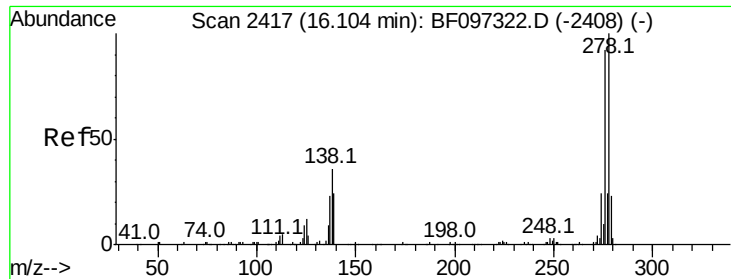
Sohil
8/7/2017 6:10:04 PM



#89
Benzo(a)pyrene
Concen: 22.705 ng
RT: 14.84 min Scan# 2220
Delta R.T. -0.08 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	14.5	11.0	16.4





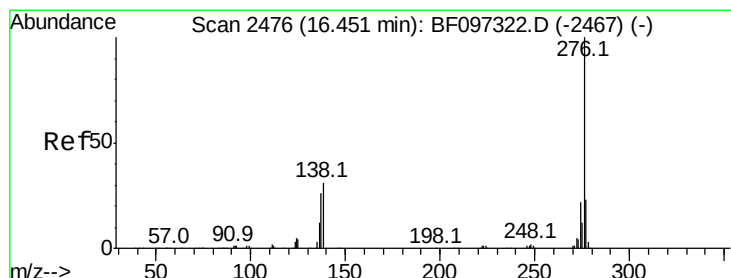
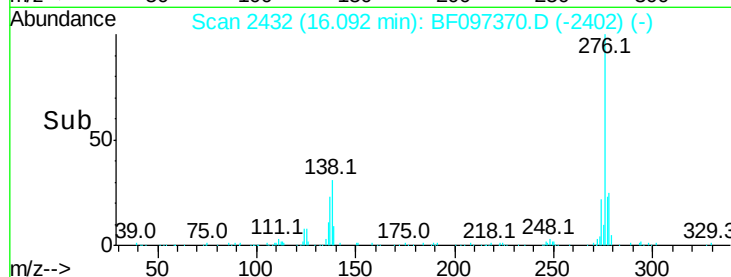
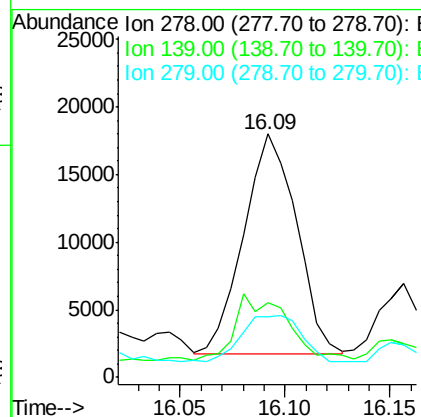
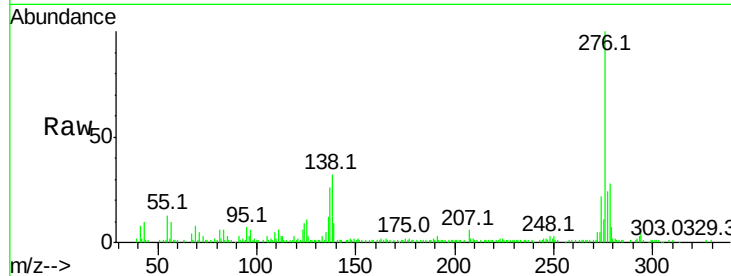
#90
Dibenzo(a,h)anthracene
Concen: 3.801 ng m
RT: 16.09 min Scan# 2432
Delta R.T. -0.12 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Instrument :
BNA_F
ClientSampled :
2013

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.9	16.6	24.8#
279	25.0	19.3	28.9

Manual Integrations
APPROVED

Sohil
8/7/2017 6:10:04 PM



#91
Benzo(g,h,i)perylene
Concen: 11.384 ng
RT: 16.45 min Scan# 2493
Delta R.T. -0.12 min
Lab File: BF097370.D
Acq: 4 Aug 2017 21:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	29.8	25.4	38.0

