

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096354.D
 Acq On : 30 Jun 2017 23:35
 Operator : SJ/MA
 Sample : I3930-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-0-2

Manual Integrations
 APPROVED

mohammad
 7/3/2017 11:37:40 AM

Quant Time: Jul 01 00:33:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	158956	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	613099	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	218773	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	315572	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	288913	20.00	ng	0.00
86) Perylene-d12	15.33	264	196937	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1092902	99.05	ng	0.00
7) Phenol-d6	6.39	99	1323818	99.09	ng	0.00
23) Nitrobenzene-d5	7.32	82	761969	86.03	ng	-0.04
41) 2,4,6-Tribromophenol	10.58	330	210369	122.19	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	1102638	92.30	ng	-0.03
78) Terphenyl-d14	12.86	244	753194	65.05	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.06	128	168666	5.71	ng	98
37) 2-Methylnaphthalene	8.75	142	105722	5.51	ng	96
48) Acenaphthylene	9.65	152	205850	8.91	ng	99
49) Dimethylphthalate	9.51	163	198636	12.69	ng	98
54) Dibenzofuran	10.00	168	58871	3.32	ng	# 93
70) Phenanthrene	11.30	178	190038	5.22	ng	97
71) Anthracene	11.35	178	205870	11.67	ng	99
72) Carbazole	11.50	167	50263	2.58	ng	97
74) Fluoranthene	12.49	202	466169	26.59	ng	99
77) Pyrene	12.71	202	526055	22.16	ng	99
80) Benzo(a)anthracene	13.90	228	297777m	16.91	ng	
82) Chrysene	13.93	228	365346	20.06	ng	98
83) Bis(2-ethylhexyl)phthalate	13.90	149	34859	2.95	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.72	276	231822	15.33	ng	93
87) Benzo(b)fluoranthene	14.93	252	614027m	47.46	ng	
88) Benzo(k)fluoranthene	14.95	252	143524m	12.15	ng	
89) Benzo(a)pyrene	15.27	252	252567	22.10	ng	# 93
90) Dibenzo(a,h)anthracene	16.73	278	56481	6.31	ng	# 87
91) Benzo(a,h,i)perylene	17.14	276	221397	23.81	ng	95

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

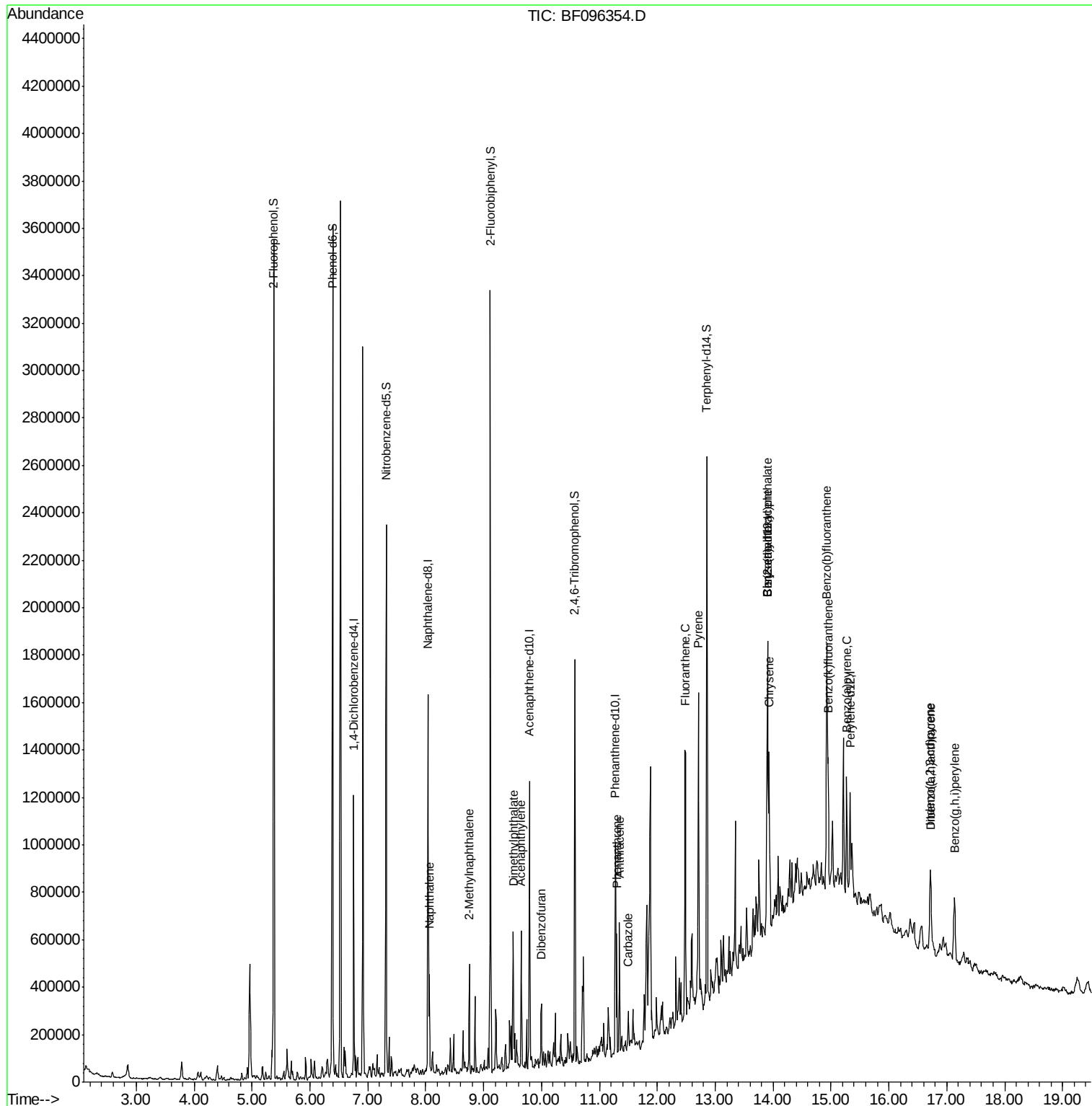
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096354.D
Acq On : 30 Jun 2017 23:35
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ALS Vial : 31 Sample Multiplier: 1

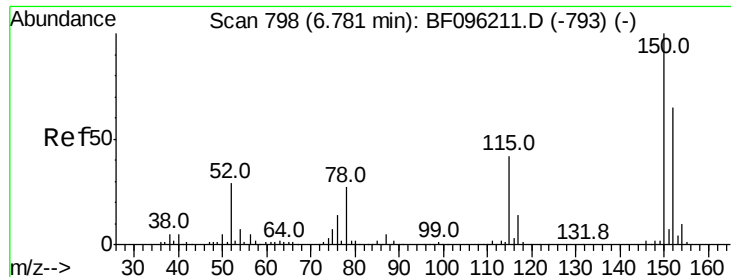
Instrument :
BNA_F
ClientSampleId :
B2-0-2

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Quant Time: Jul 01 00:33:09 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

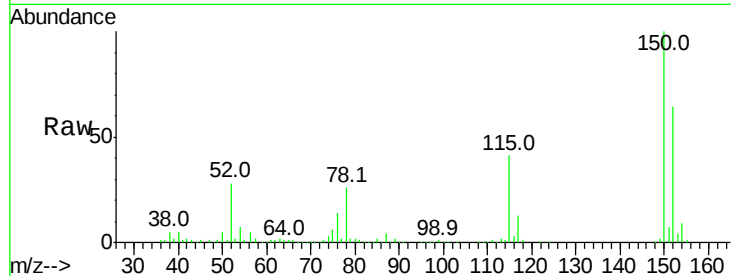
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Instrument :
BNA_F
ClientSampleId :
B2-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	64.5	52.2	78.2

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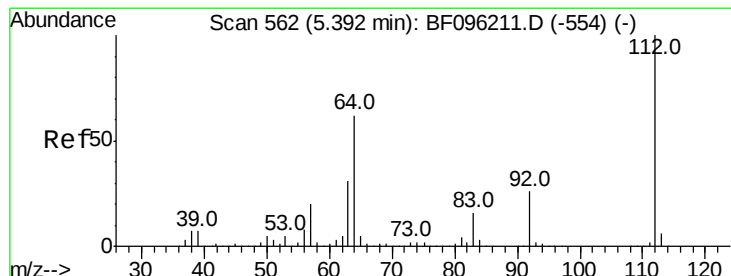
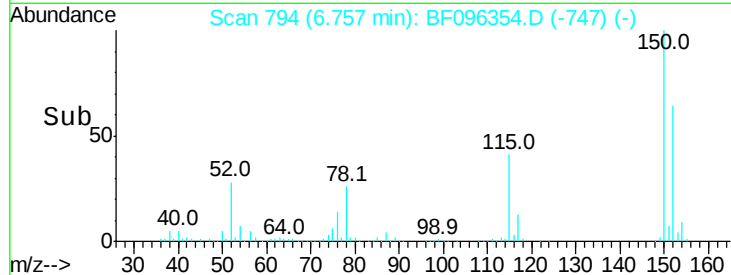
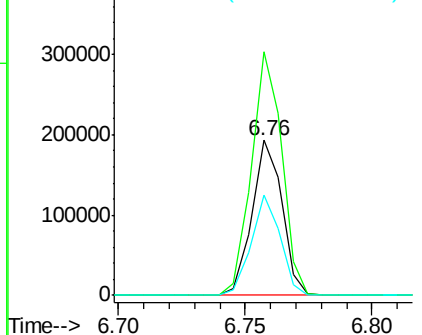


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

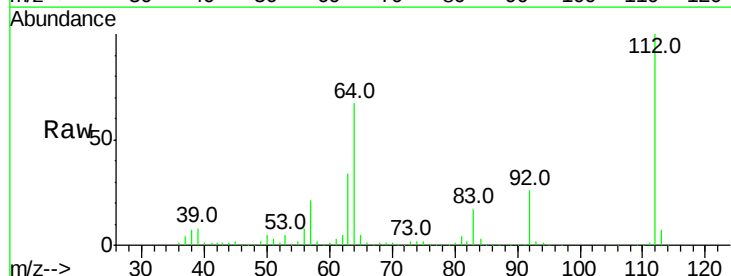
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.05 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	46.0	69.0
63	33.7	23.4	35.0

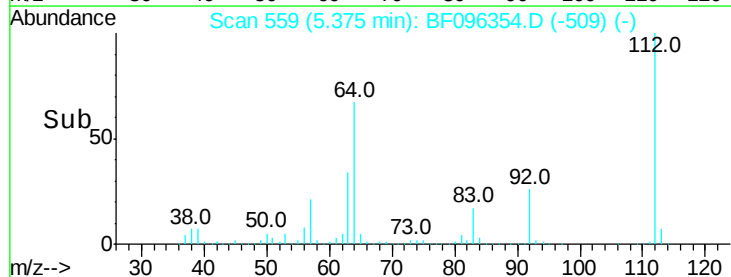
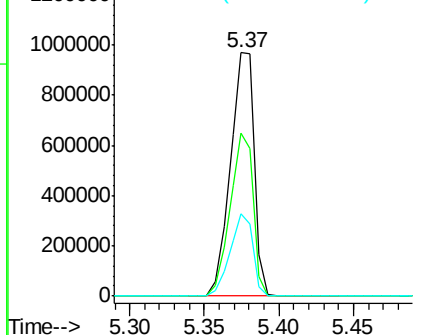


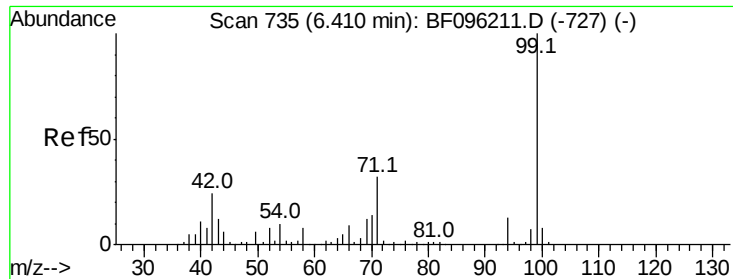
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.09 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Instrument :

BNA_F

ClientSampleId :

B2-0-2

Tot Ion: 99 Resp: 1323818

Ion Ratio Lower Upper

99 100

42 21.9 13.5 20.3#

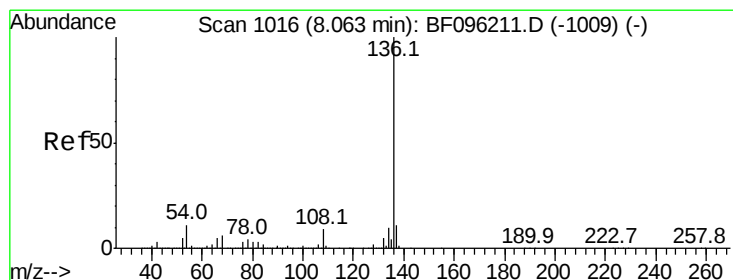
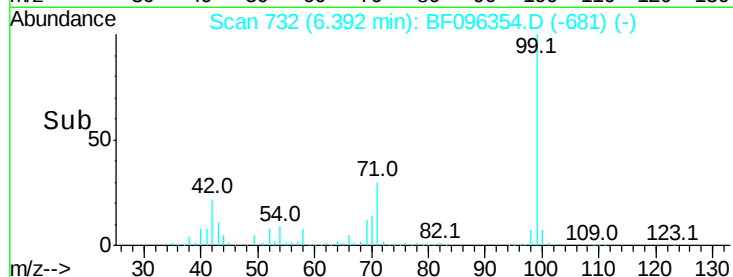
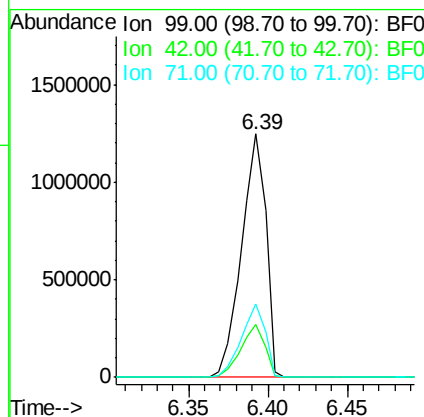
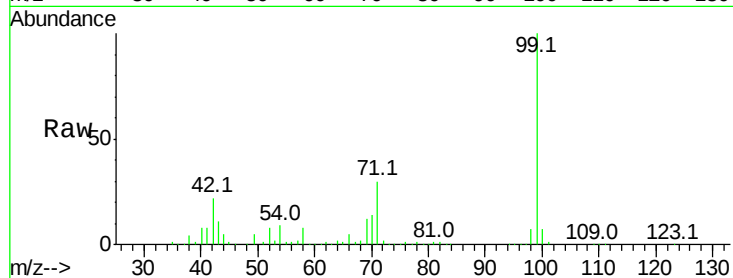
71 30.3 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Tgt Ion: 136 Resp: 613099

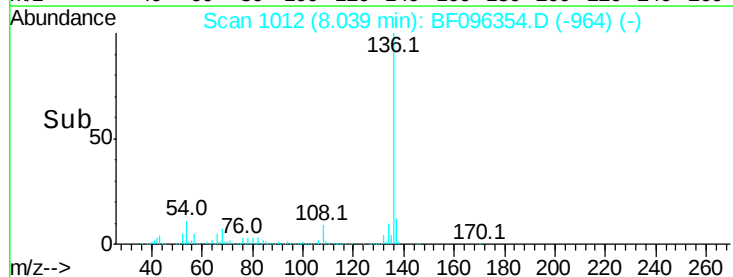
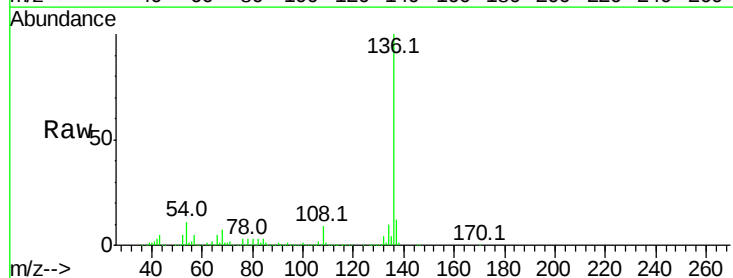
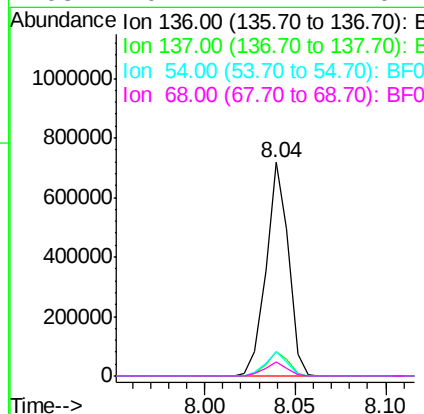
Ion Ratio Lower Upper

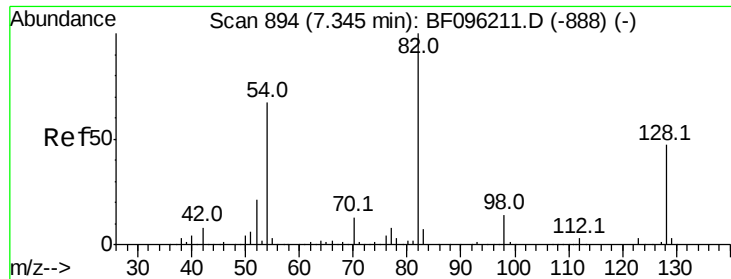
136 100

137 11.6 8.5 12.7

54 11.4 4.9 7.3#

68 6.7 4.1 6.1#





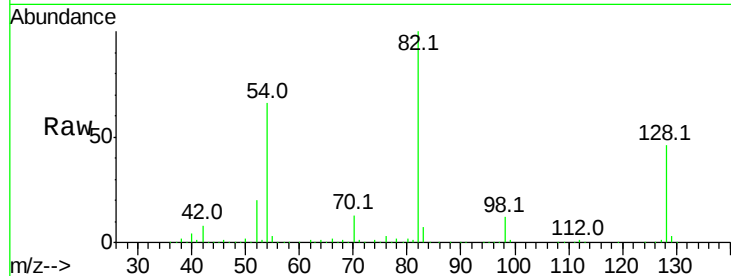
#23
Nitrobenzene-d5
Concen: 86.03 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.04 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Instrument :
BNA_F
ClientSampled :
B2-0-2

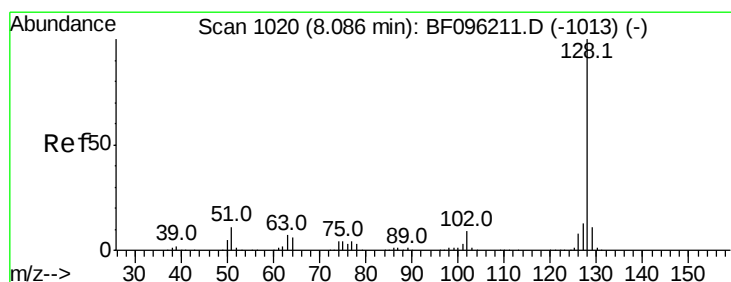
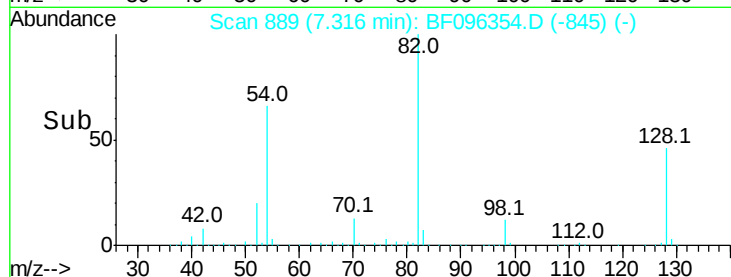
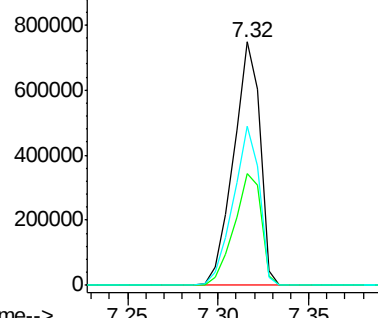
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.0	51.0
54	65.6	42.2	63.2

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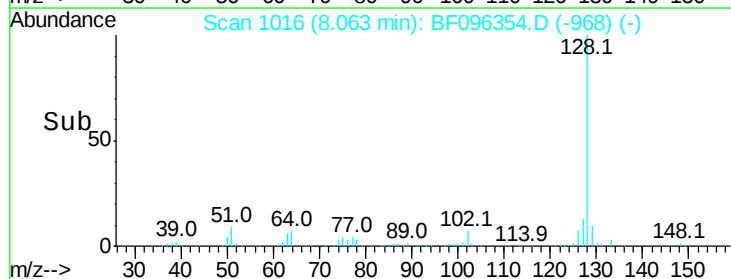
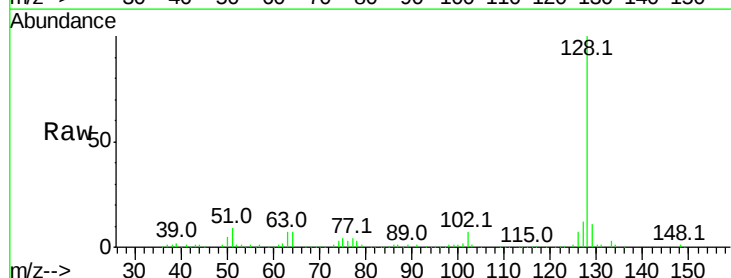
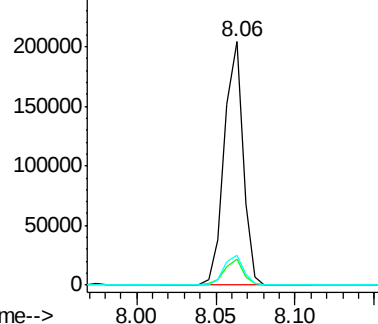
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

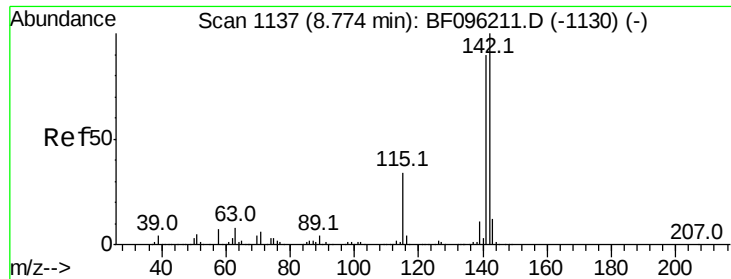


#31
Naphthalene
Concen: 5.71 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.02 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.0	13.6
127	12.5	10.8	16.2

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 5.51 ng

RT: 8.75 min Scan# 1133

Delta R.T. -0.02 min

Lab File: BF096354.D

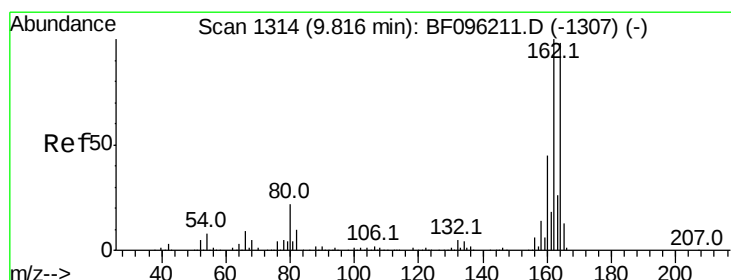
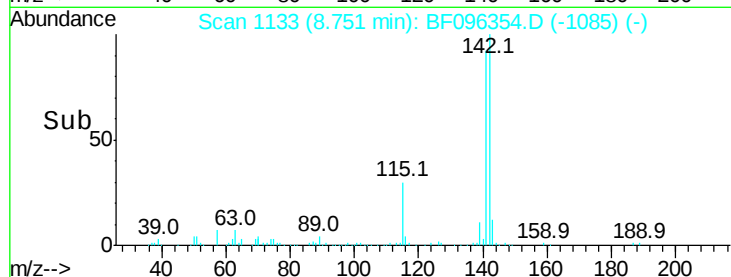
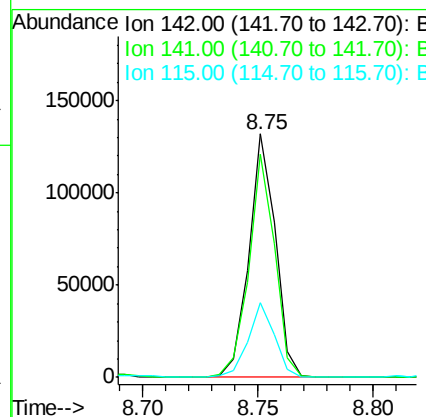
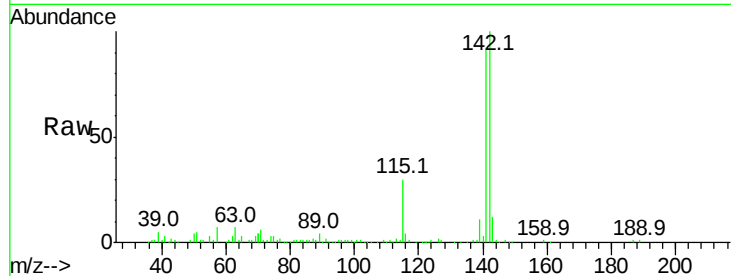
Acq: 30 Jun 2017 23:35

Instrument :
BNA_F
ClientSampleId :
B2-0-2

Tot Ion	Ratio	Resp	Lower	Upper
142	100	105722		
141	91.5	71.3	106.9	
115	30.4	27.1	40.7	

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#38

Acenaphthene-d10

Concen: 20.00 ng

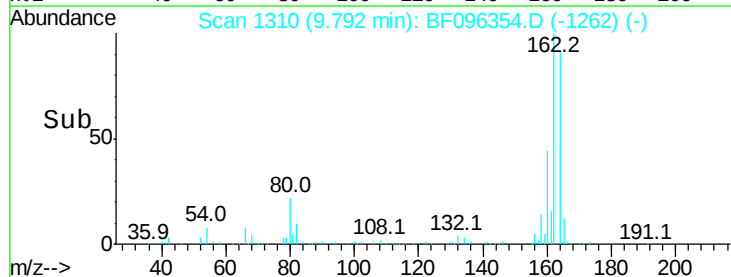
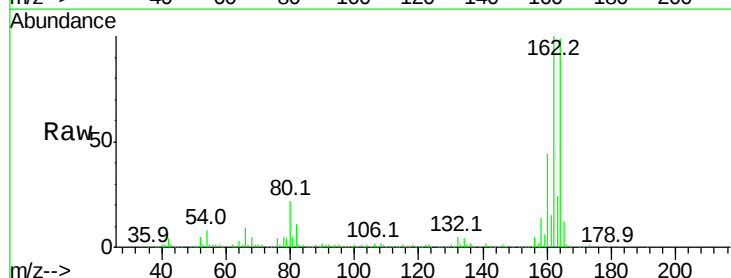
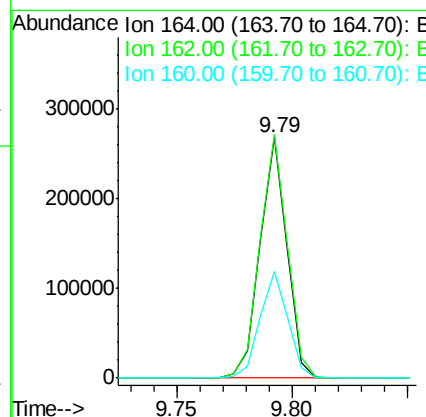
RT: 9.79 min Scan# 1310

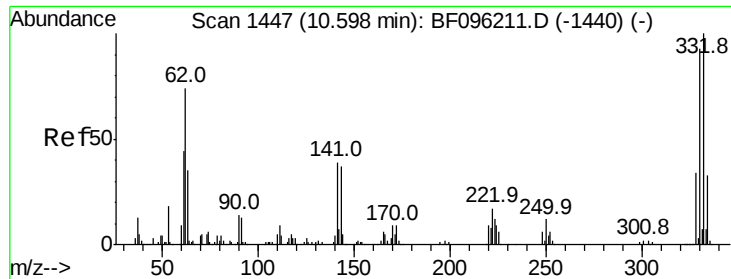
Delta R.T. -0.02 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	218773		
162	101.0	82.6	123.8	
160	44.1	36.2	54.2	





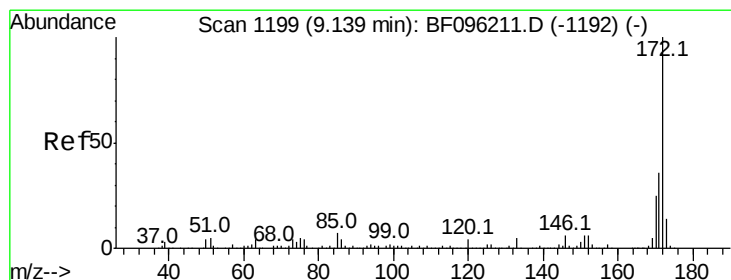
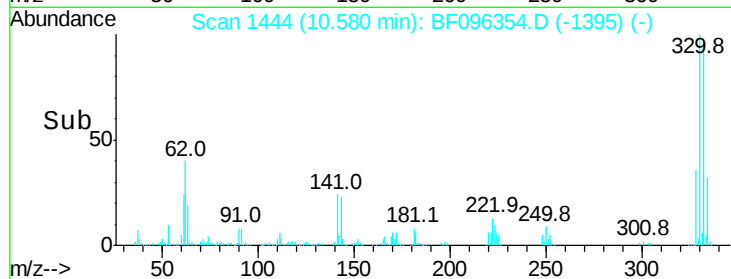
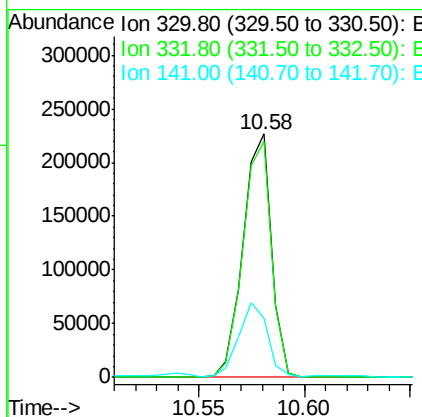
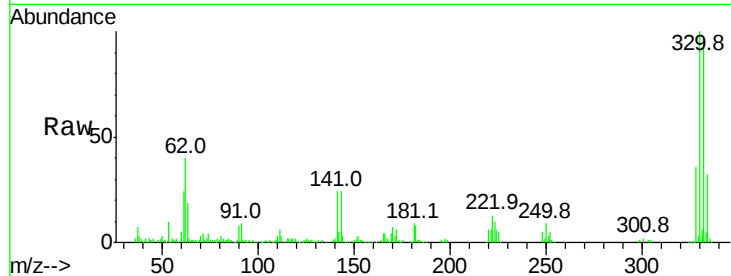
#41
 2,4,6-Tribromophenol
 Concen: 122.19 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: BF096354.D
 Acq: 30 Jun 2017 23:35

Instrument :
 BNA_F
 ClientSampleId :
 B2-0-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	210369		
332	97.8	76.6	115.0	
141	30.3	31.4	47.2#	

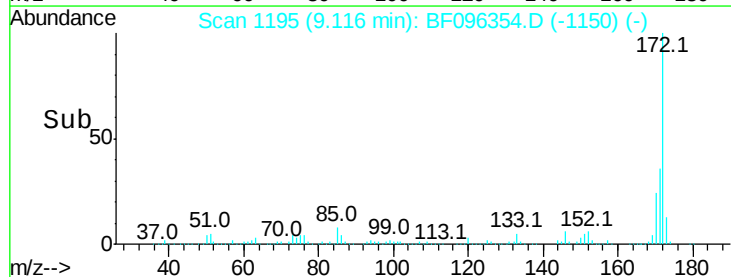
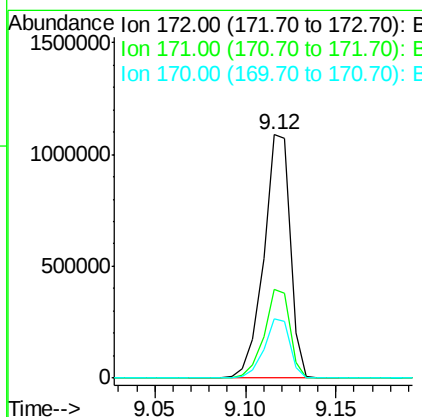
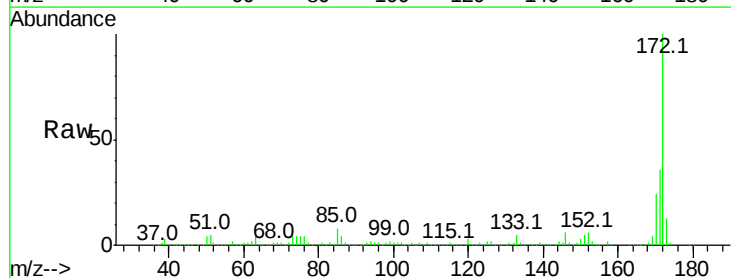
Manual Integrations
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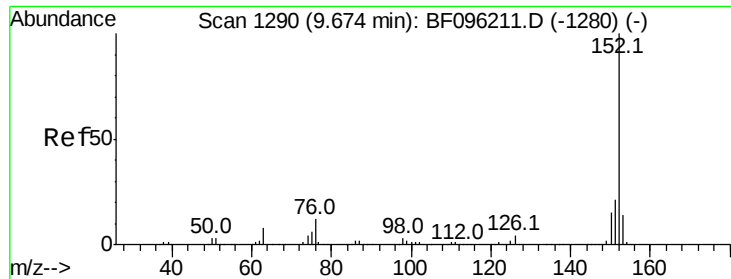
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#44
 2-Fluorobiphenyl
 Concen: 92.30 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF096354.D
 Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1102638		
171	36.3	29.6	44.4	
170	24.2	19.8	29.8	





#48

Acenaphthylene

Concen: 8.91 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Instrument :

BNA_F

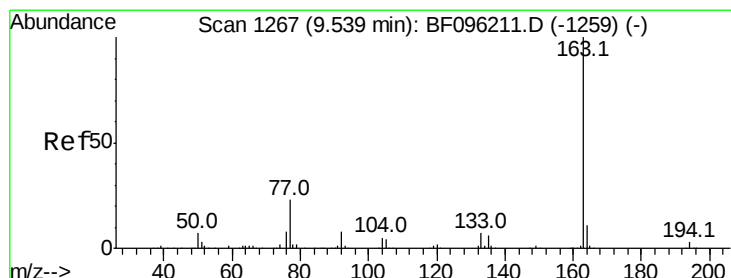
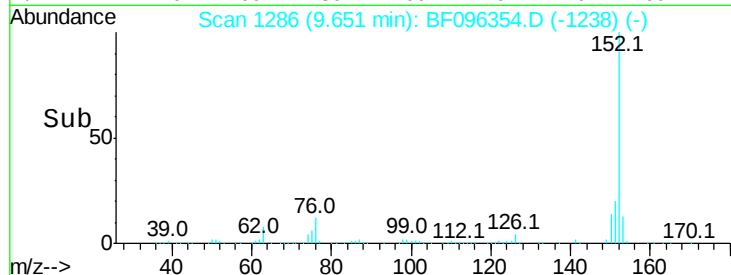
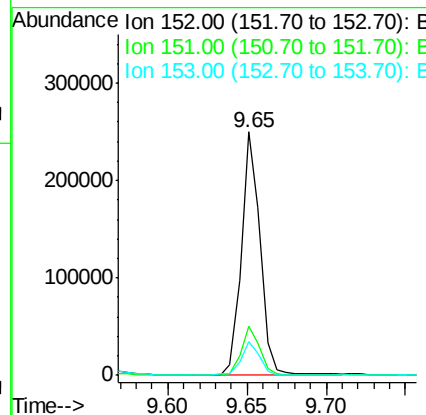
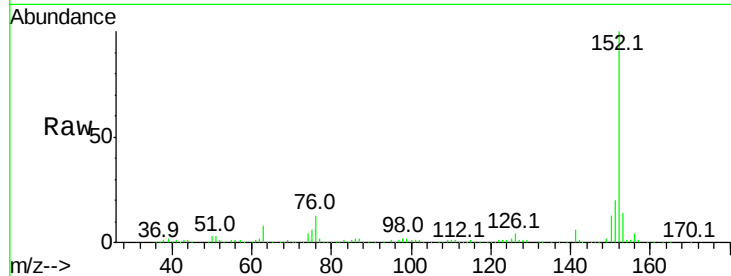
ClientSampleId :

B2-0-2

Tot Ion	Ratio	Resp	Lower	Upper
152	100	205850		
151	20.2		16.8	25.2
153	13.6		10.8	16.2

Manual Integrations
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#49

Dimethylphthalate

Concen: 12.69 ng

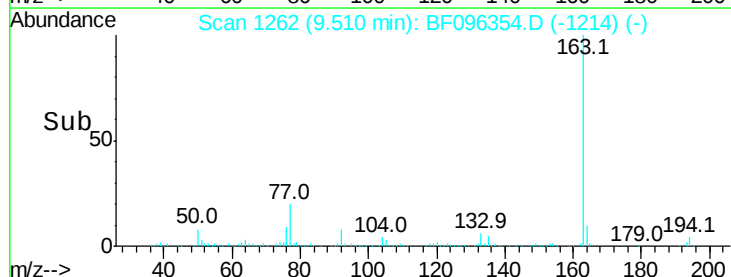
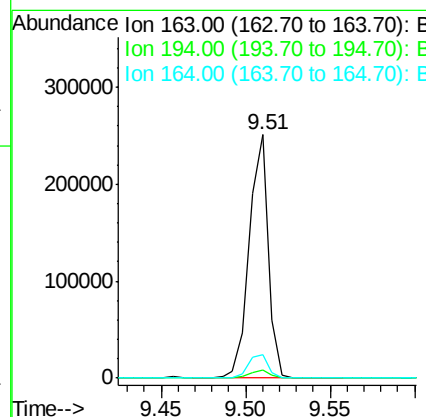
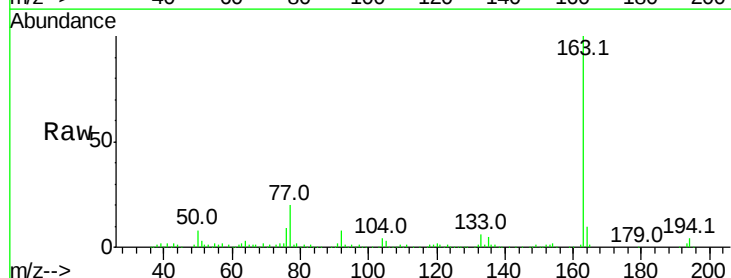
RT: 9.51 min Scan# 1262

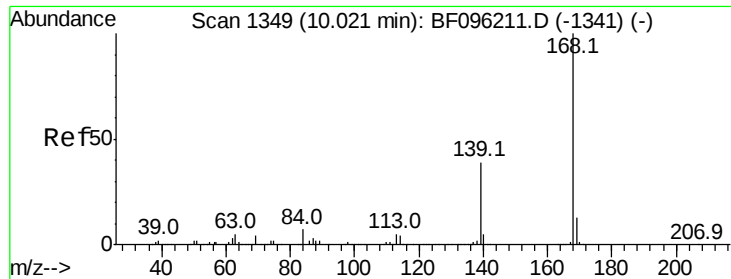
Delta R.T. -0.02 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	198636		
194	3.5		2.6	4.0
164	9.7		8.4	12.6





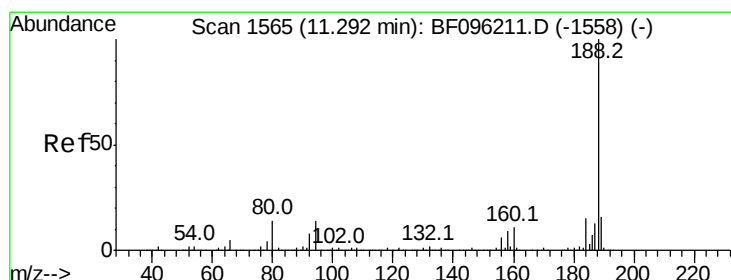
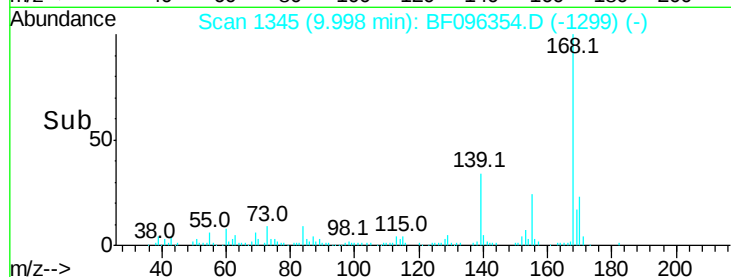
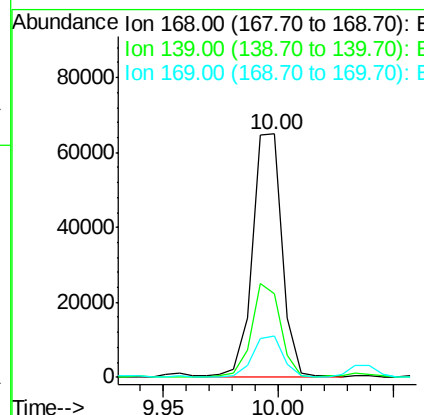
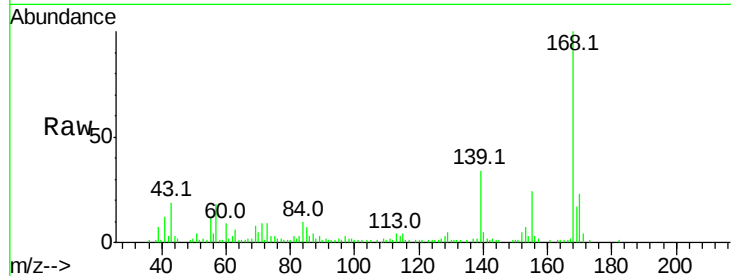
#54
Dibenzofuran
Concen: 3.32 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.03 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Instrument :
BNA_F
ClientSampleId :
B2-0-2

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.1	30.6	45.8
169	17.0	10.8	16.2

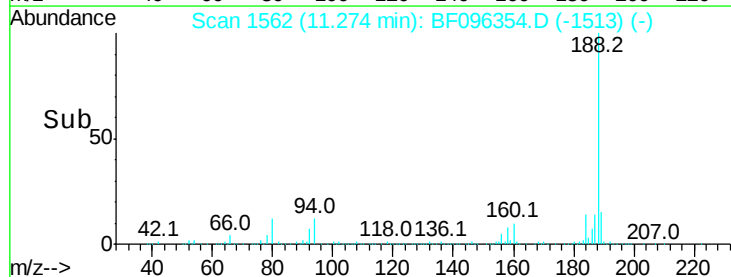
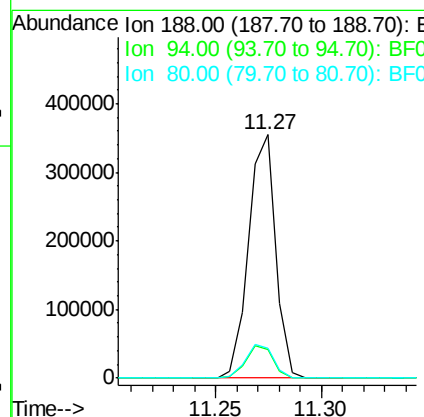
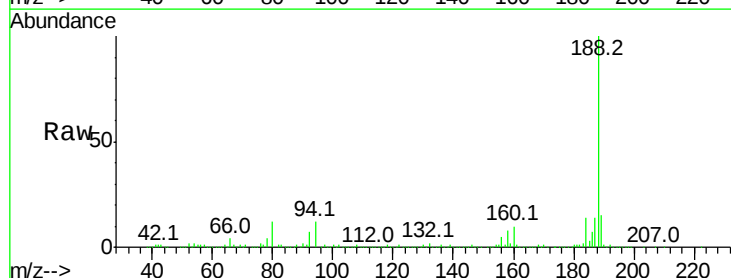
Manual Integrations
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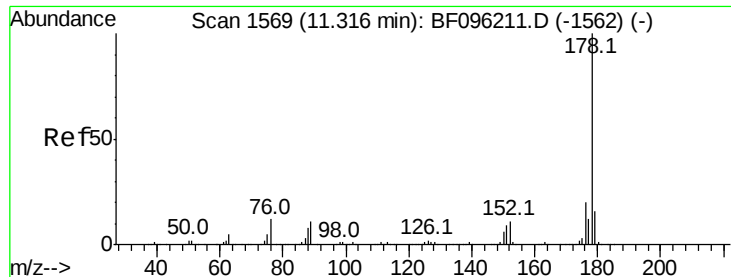
mohammad
7/3/2017 11:37:40 AM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.4	14.2
80	12.4	10.2	15.2





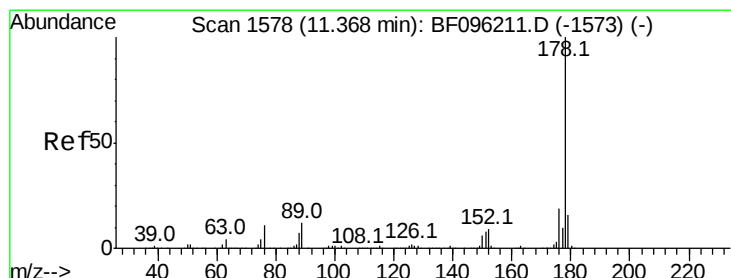
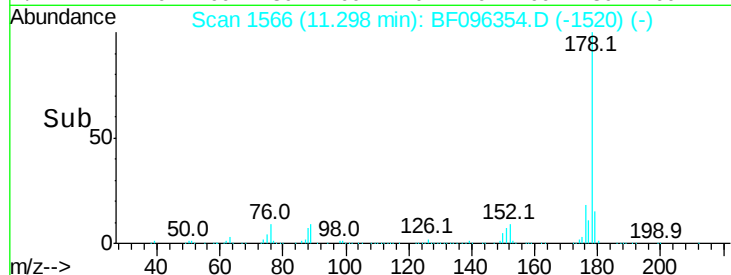
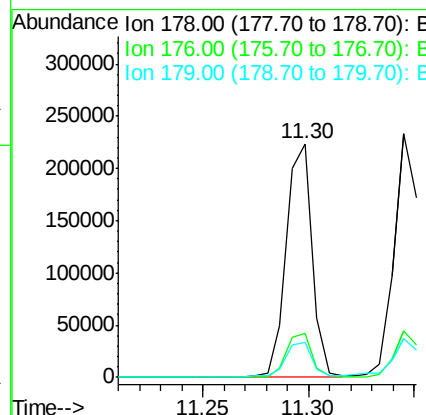
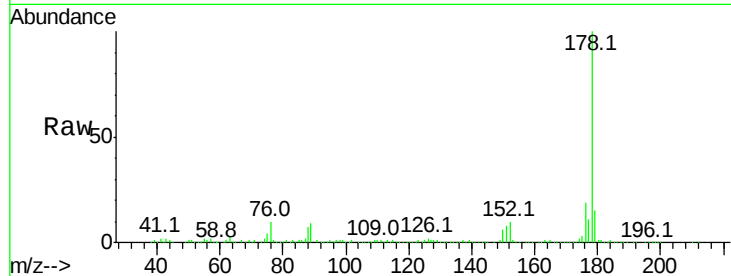
#70
Phenanthrene
Concen: 5.22 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.03 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Instrument :
BNA_F
ClientSampleId :
B2-0-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	15.2	12.6	19.0

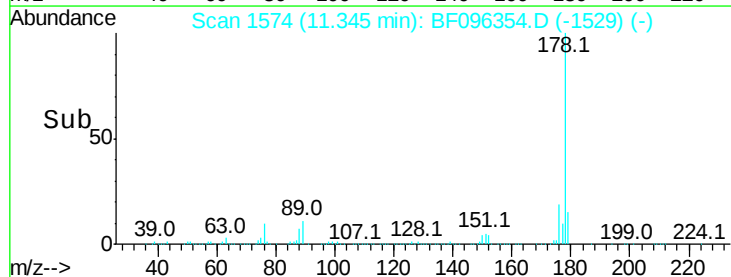
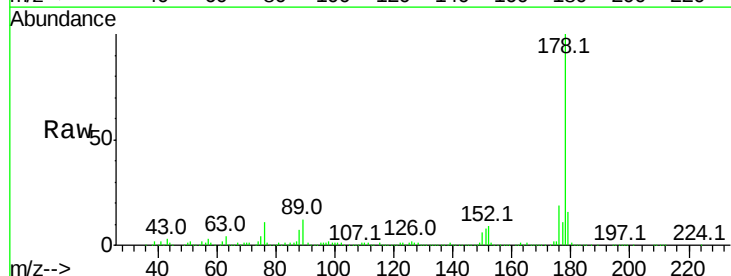
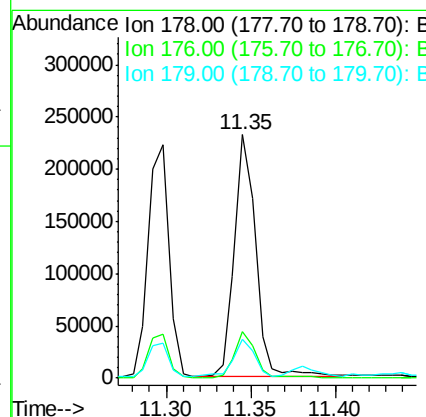
Manual Integrations
APPROVED

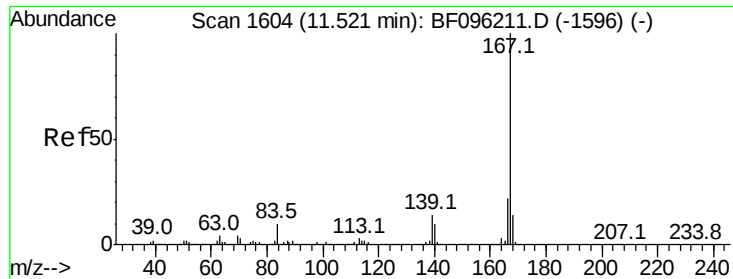
mohammad
7/3/2017 11:37:40 AM



#71
Anthracene
Concen: 11.67 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.04 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.9	12.7	19.1





#72

Carbazole

Concen: 2.58 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Instrument :

BNA_F

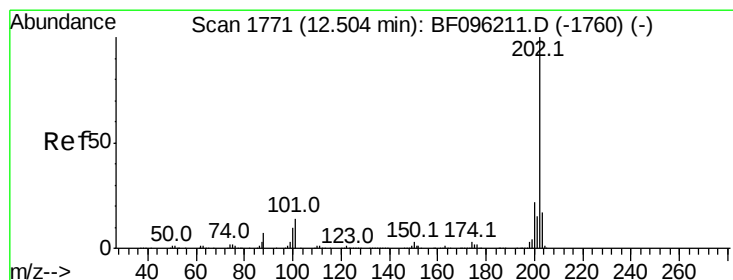
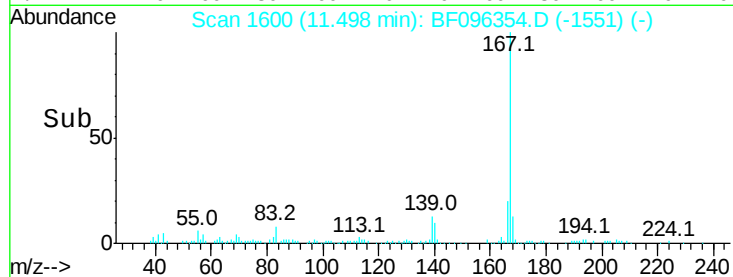
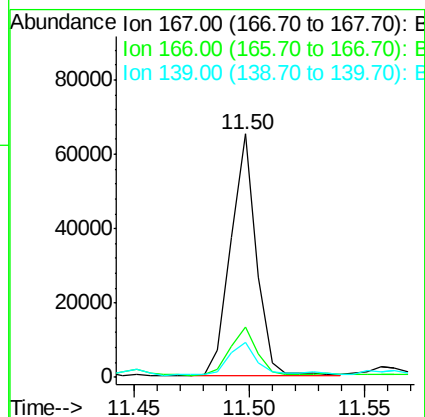
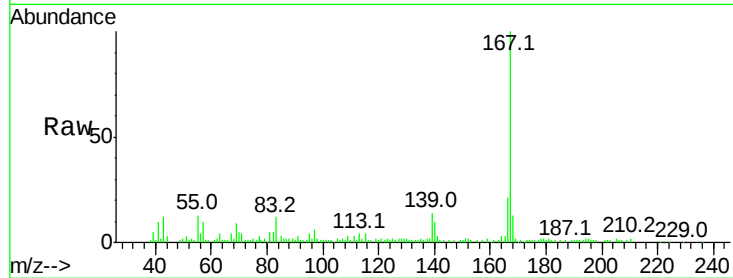
ClientSampleId :

B2-0-2

Tot Ion:	167	Resp:	50263
Ion Ratio	Lower	Upper	
167	100		
166	20.6	18.1	27.1
139	14.2	11.7	17.5

Manual Integrations
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#74

Fluoranthene

Concen: 26.59 ng

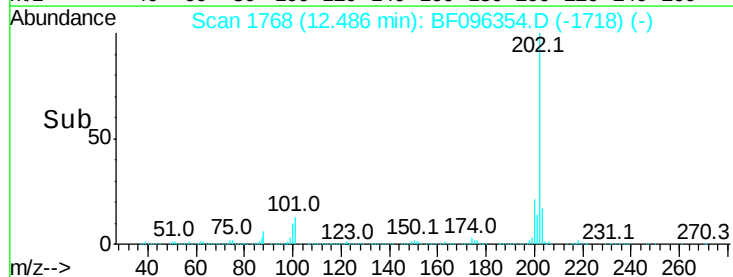
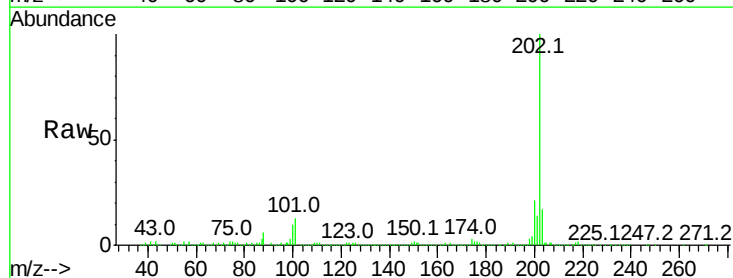
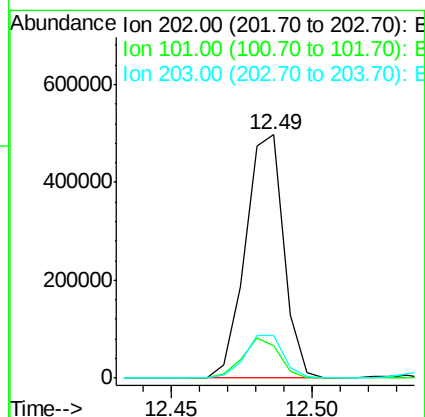
RT: 12.49 min Scan# 1768

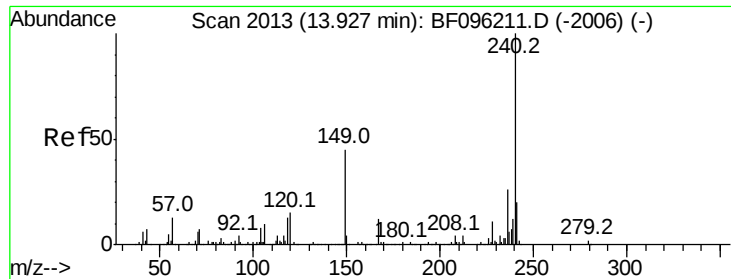
Delta R.T. -0.01 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Tgt Ion:	202	Resp:	466169
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Instrument :

BNA_F

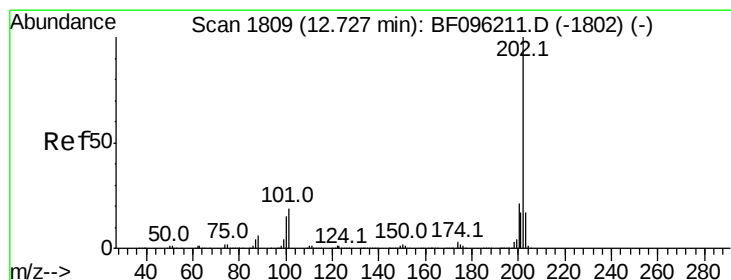
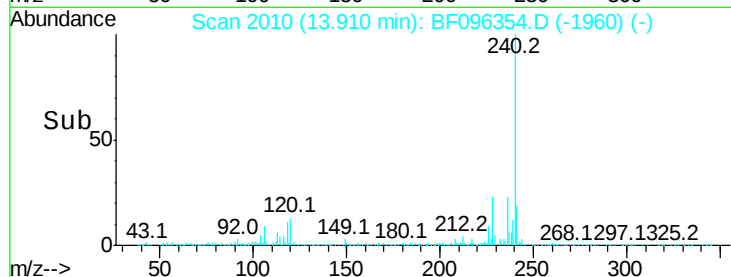
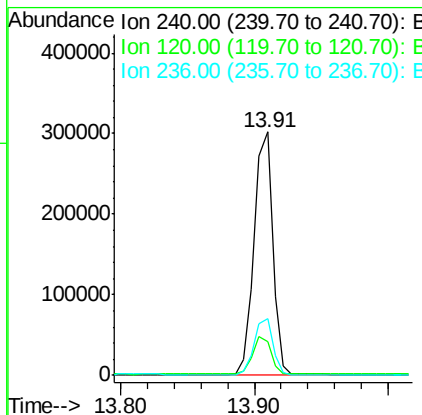
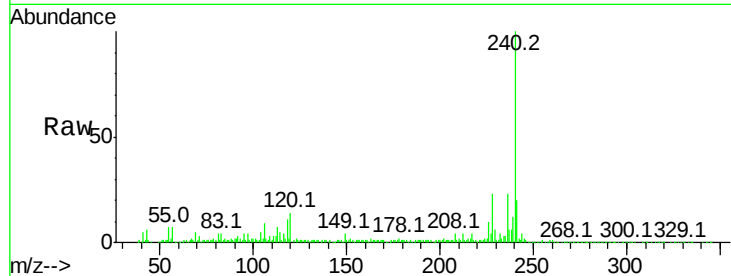
ClientSampleId :

B2-0-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	23.4	20.5	30.7

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#77

Pyrene

Concen: 22.16 ng

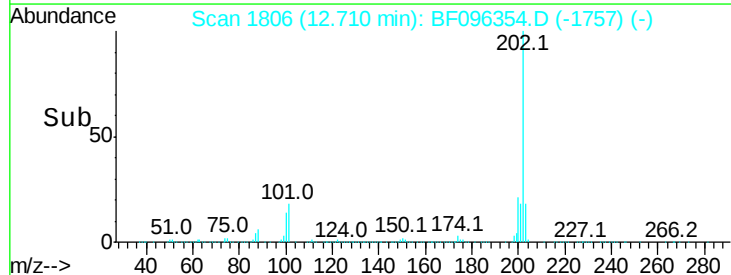
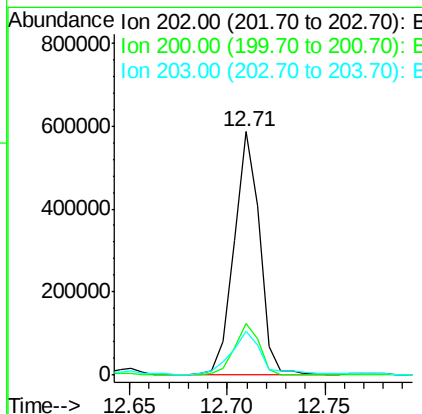
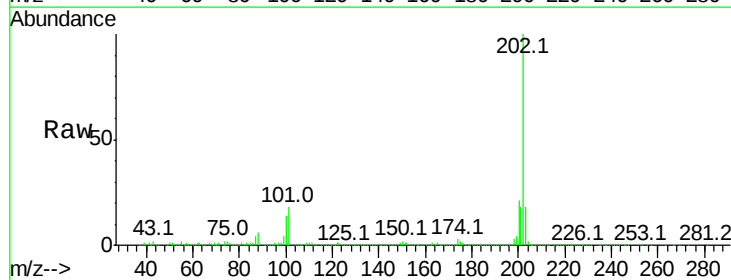
RT: 12.71 min Scan# 1806

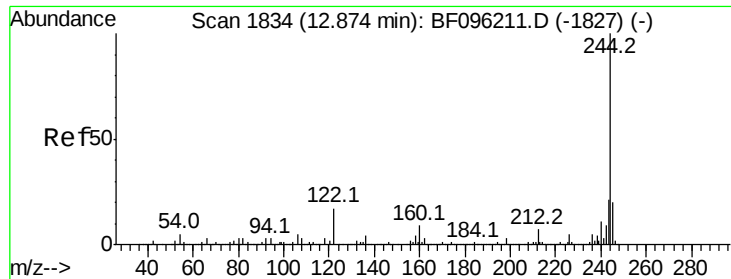
Delta R.T. -0.01 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.2	14.4	21.6





#78

Terphenyl-d14

Concen: 65.05 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Instrument :

BNA_F

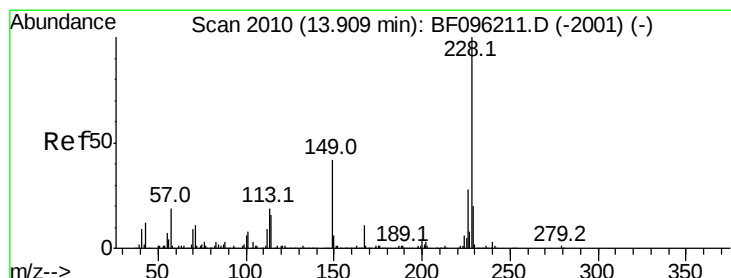
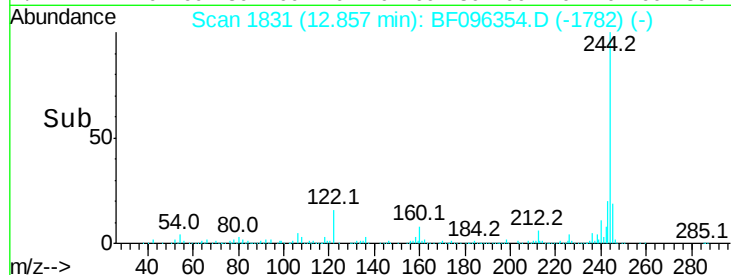
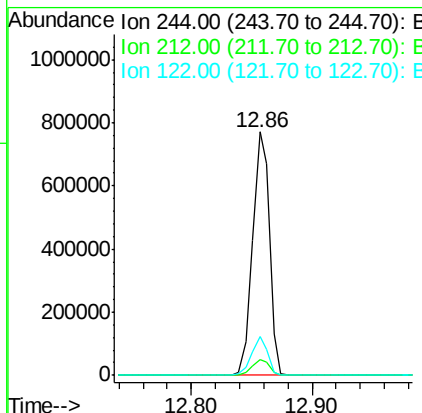
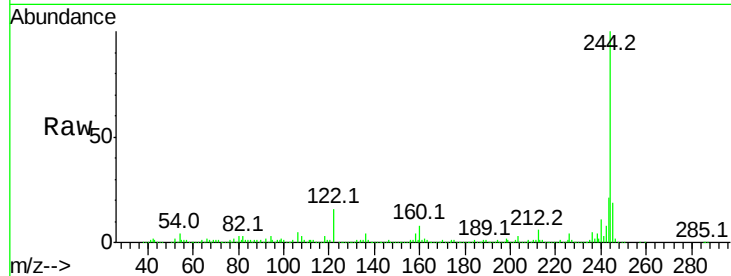
ClientSampled :

B2-0-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	15.8	10.3	15.5#

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#80

Benzo(a)anthracene

Concen: 16.91 ng m

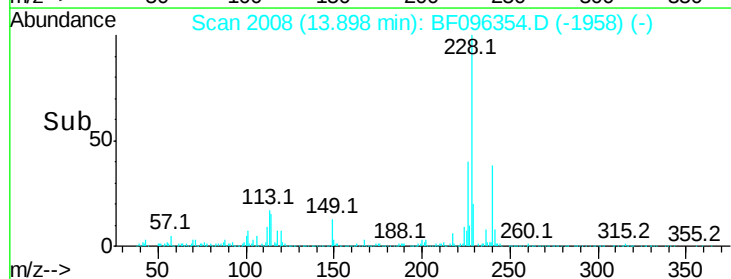
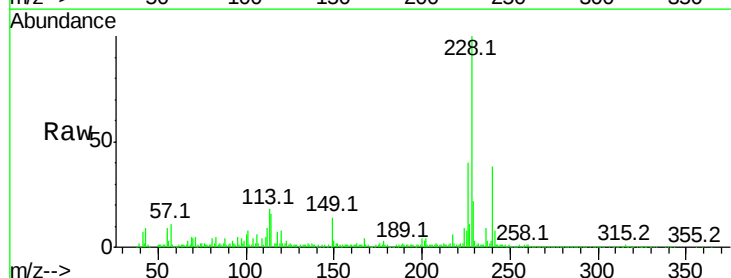
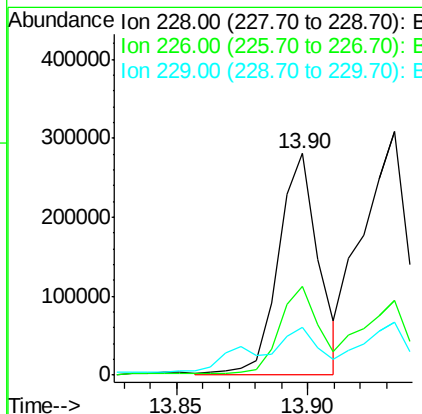
RT: 13.90 min Scan# 2008

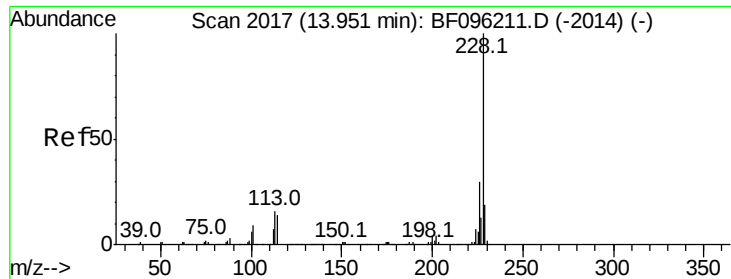
Delta R.T. -0.01 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.3	22.6	33.8#
229	21.6	16.3	24.5





#82

Chrysene

Concen: 20.06 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Instrument :

BNA_F

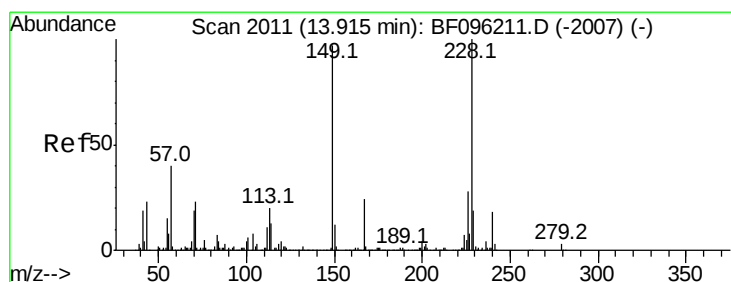
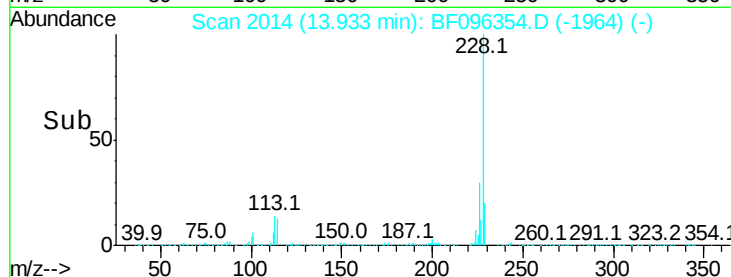
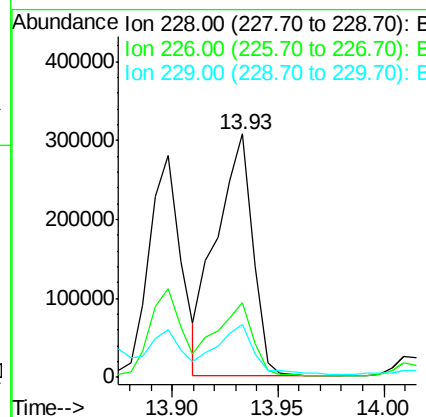
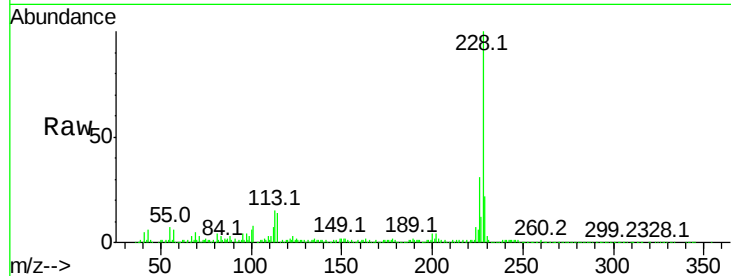
ClientSampled :

B2-0-2

Tot Ion:	228	Resp:	365346
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.9	37.3
229	21.5	15.8	23.6

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.95 ng

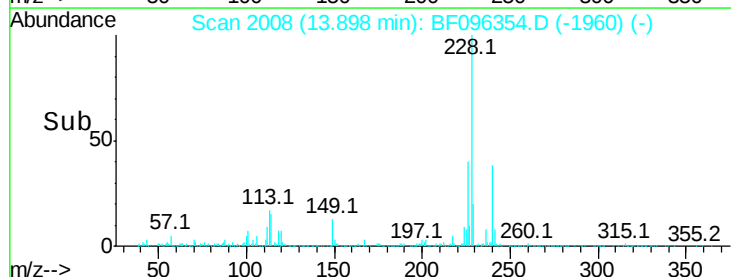
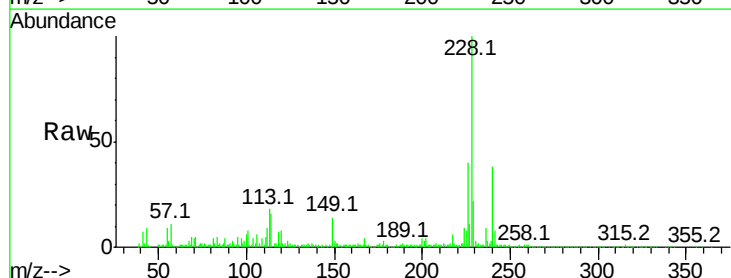
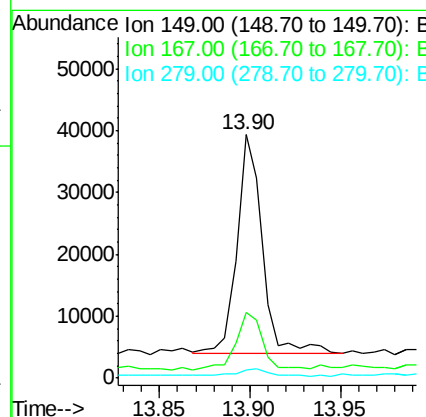
RT: 13.90 min Scan# 2008

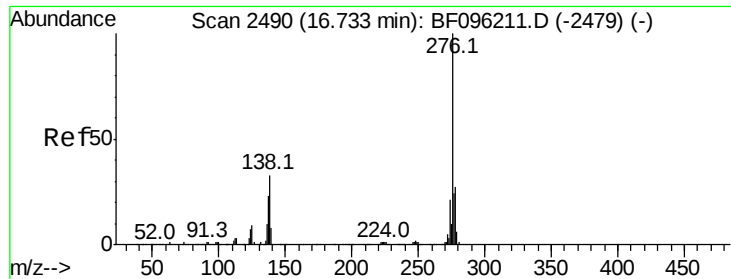
Delta R.T. -0.02 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Tgt Ion:	149	Resp:	34859
Ion Ratio	Lower	Upper	
149	100		
167	26.8	21.0	31.4
279	3.2	1.9	2.9#





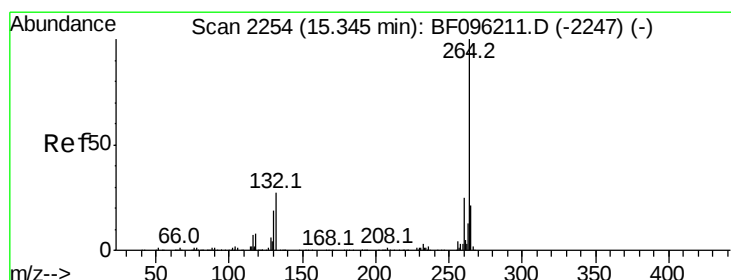
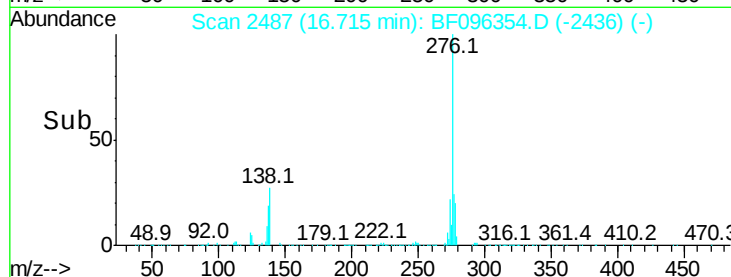
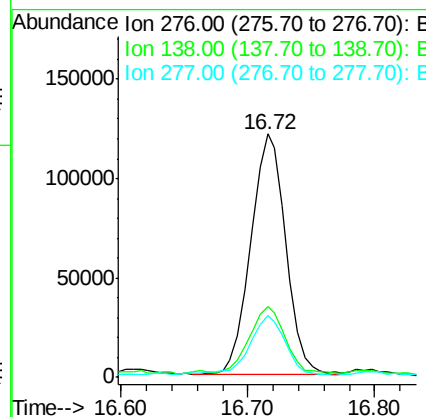
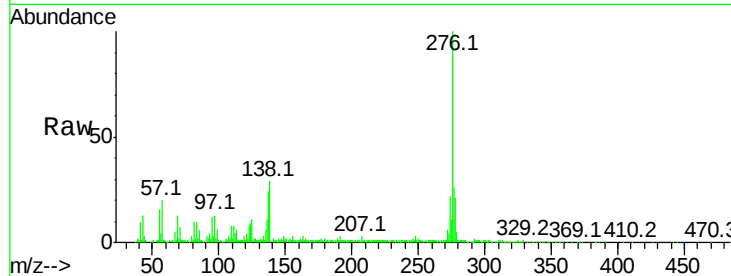
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.33 ng
RT: 16.72 min Scan# 2487
Delta R.T. -0.00 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Instrument :
BNA_F
ClientSampleId :
B2-0-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.4	27.8	41.6
277	25.8	20.2	30.4

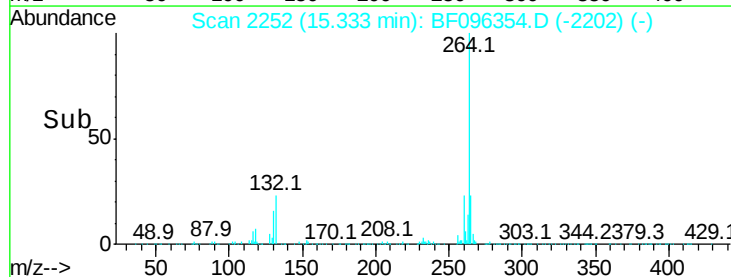
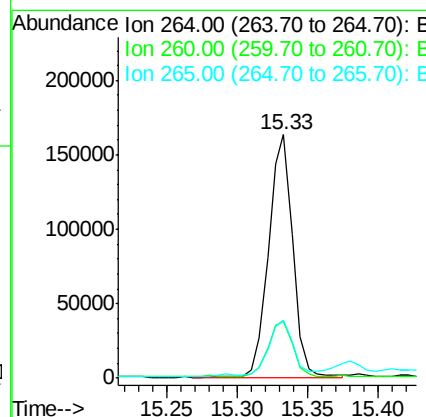
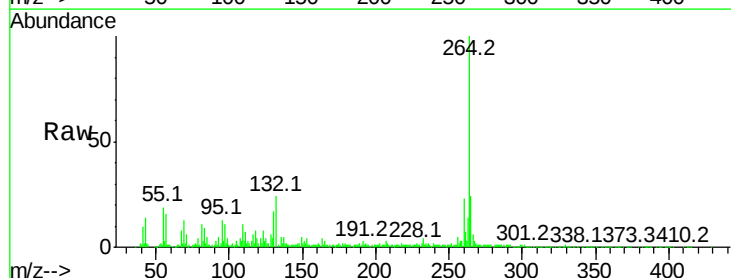
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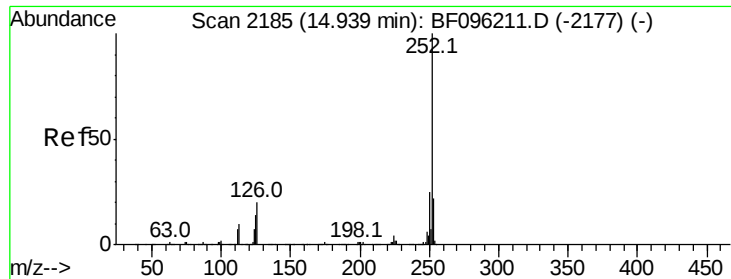
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	23.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 47.46 ng m

RT: 14.93 min Scan# 2183

Delta R.T. -0.03 min

Lab File: BF096354.D

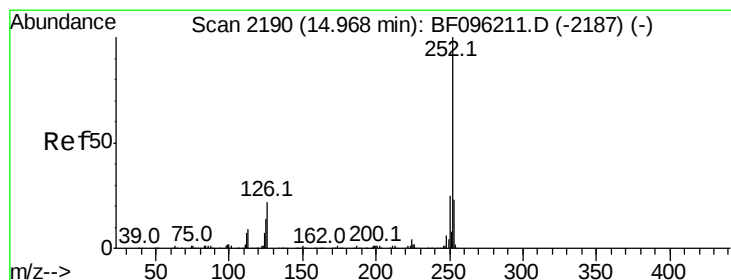
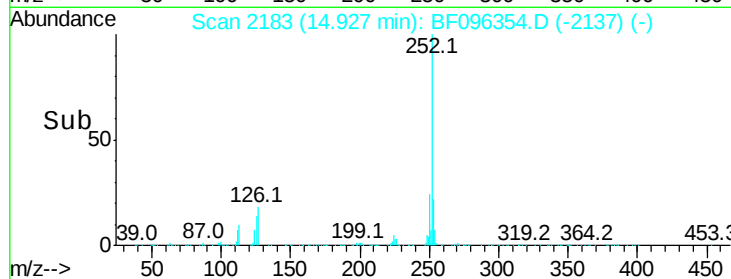
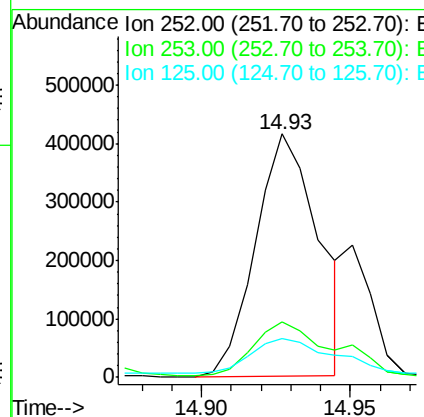
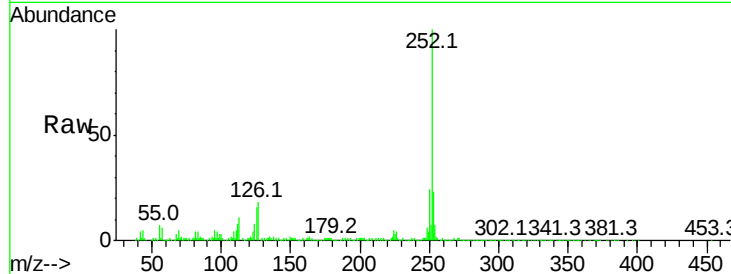
Acq: 30 Jun 2017 23:35

Instrument :
BNA_F
ClientSampled :
B2-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	16.1	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 12.15 ng m

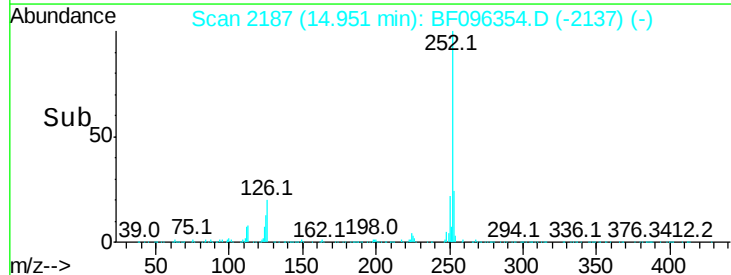
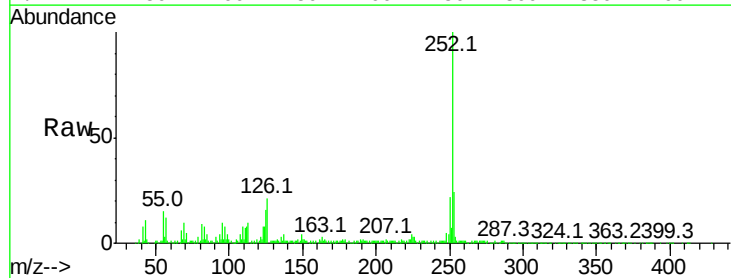
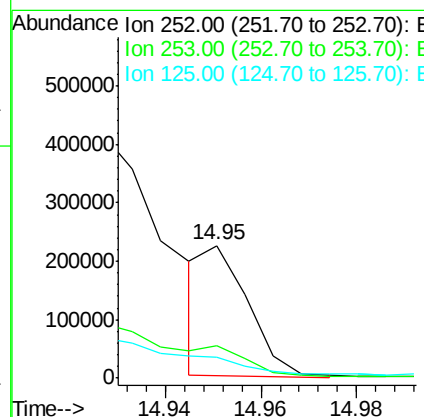
RT: 14.95 min Scan# 2187

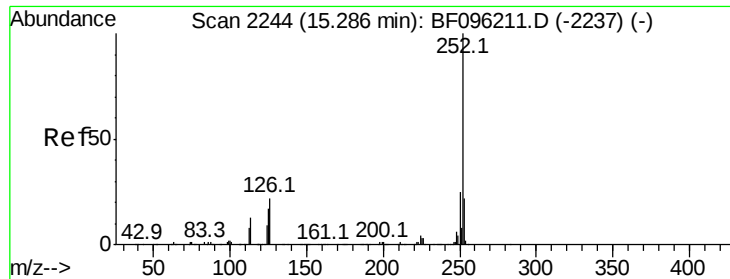
Delta R.T. -0.01 min

Lab File: BF096354.D

Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	16.0	13.1	19.7





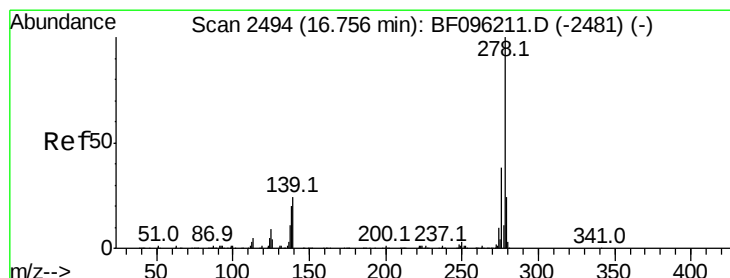
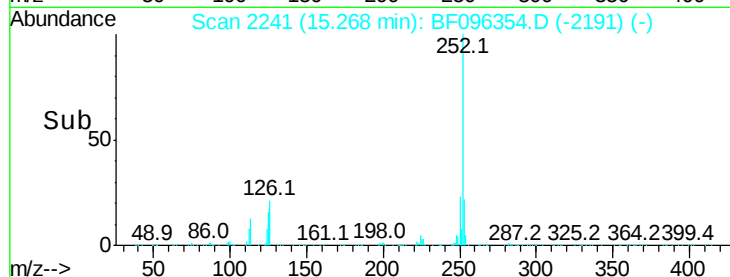
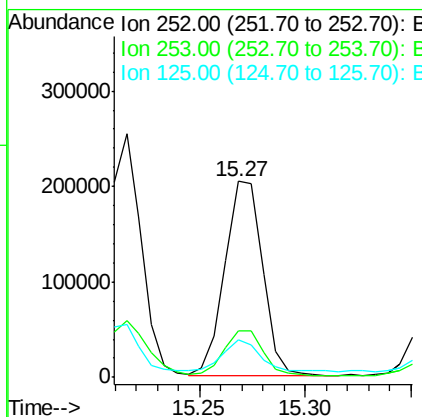
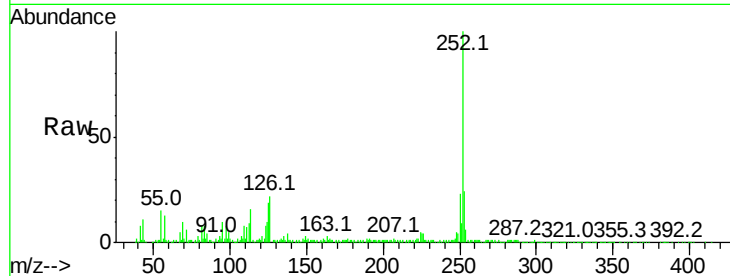
#89
Benzo(a)pyrene
Concen: 22.10 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Instrument :
BNA_F
ClientSampleId :
B2-0-2

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.6	17.5	26.3
125	19.0	11.0	16.4

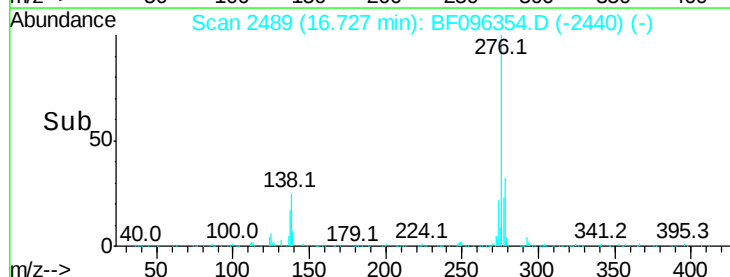
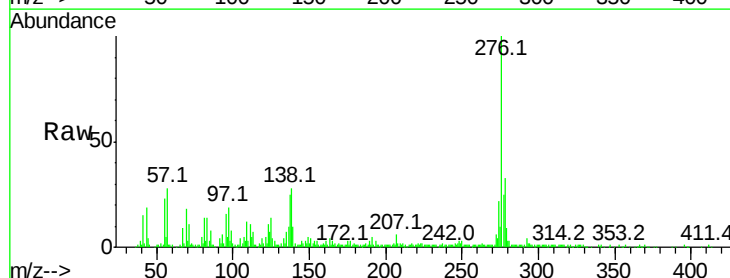
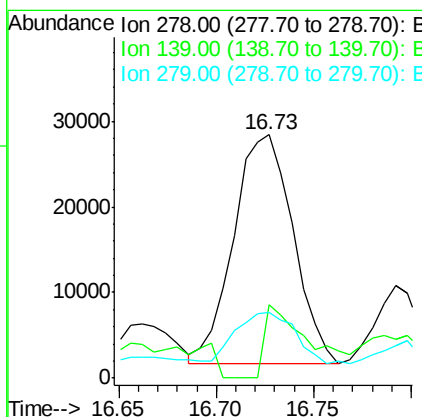
Manual Integrations
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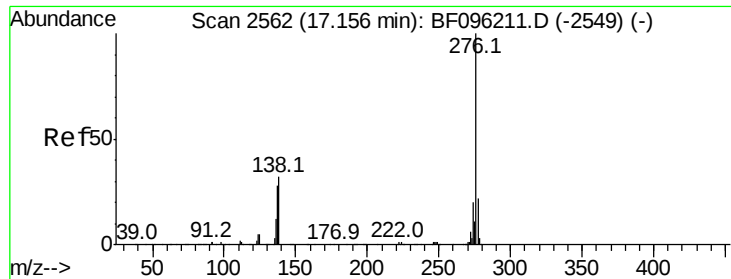
mohammad
7/3/2017 11:37:40 AM



#90
Dibenzo(a,h)anthracene
Concen: 6.31 ng
RT: 16.73 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BF096354.D
Acq: 30 Jun 2017 23:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	30.4	16.6	24.8
279	27.0	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 23.81 ng
 RT: 17.14 min Scan# 2559
 Delta R.T. 0.01 min
 Lab File: BF096354.D
 Acq: 30 Jun 2017 23:35

Instrument :
 BNA_F
 ClientSampleId :
 B2-0-2

Tot Ion:	276	Resp:	221397
Ion Ratio	Lower	Upper	
276	100		
277	22.6	18.6	28.0
138	27.7	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 7/3/2017 11:37:40 AM

