

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093343.D
 Acq On : 3 Mar 2017 1:34
 Operator : SJ/MA
 Sample : I2003-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436A

Manual Integrations
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Quant Time: Mar 03 04:55:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 00:22:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	156639	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	627039	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	285356	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	455854	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	256370	20.00	ng	0.00
86) Perylene-d12	15.40	264	299943	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1068011	116.98	ng	0.00
7) Phenol-d6	6.44	99	1283115	109.22	ng	-0.01
23) Nitrobenzene-d5	7.37	82	765553	67.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	228400	110.67	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1230149	78.10	ng	0.00
78) Terphenyl-d14	12.92	244	738364	67.67	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.11	128	171481	5.39	ng	99
37) 2-Methylnaphthalene	8.81	142	70614	3.46	ng	96
48) Acenaphthylene	9.71	152	260621	9.33	ng	99
49) Dimethylphthalate	9.57	163	429844	22.36	ng	99
51) Acenaphthene	9.88	154	92796	5.56	ng	94
57) Fluorene	10.40	166	120933m	7.04	ng	
70) Phenanthrene	11.37	178	1720966	65.90	ng	99
71) Anthracene	11.41	178	484448	18.47	ng	98
74) Fluoranthene	12.56	202	1195702	44.39	ng	98
77) Pyrene	12.79	202	2212284	115.31	ng	99
80) Benzo(a)anthracene	13.97	228	952269m	60.73	ng	
82) Chrysene	14.01	228	857578	58.41	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	28892	2.71	ng	# 85
85) Indeno(1,2,3-cd)pyrene	16.81	276	540889	47.57	ng	99
87) Benzo(b)fluoranthene	15.00	252	789472m	39.99	ng	
88) Benzo(k)fluoranthene	15.01	252	259175m	15.20	ng	
89) Benzo(a)pyrene	15.36	252	811288	47.51	ng	99
90) Dibenzo(a,h)anthracene	16.81	278	155390	11.26	ng	# 92
91) Benzo(a,h,i)perylene	17.24	276	828963	59.45	ng	# 92

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

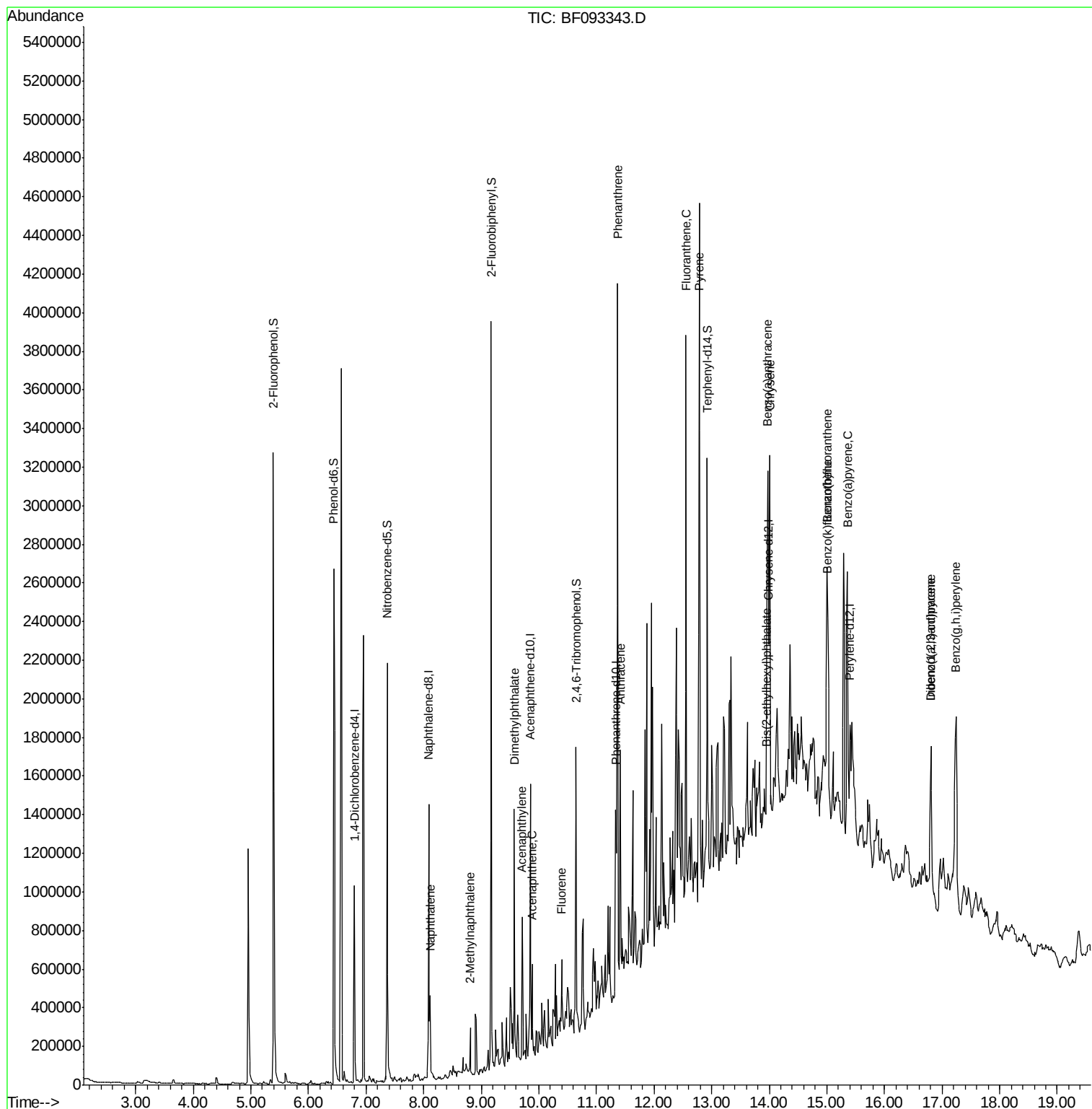
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093343.D
Acq On : 3 Mar 2017 1:34
Operator : SJ/MA
Sample : I2003-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

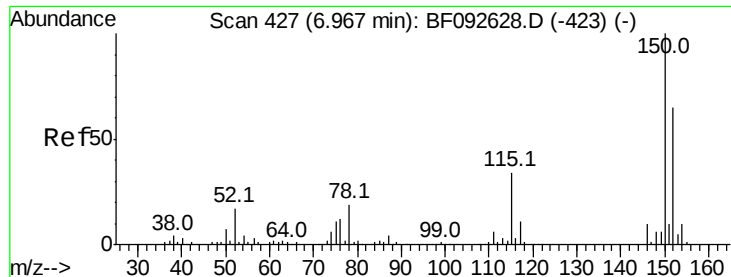
Instrument :
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HY-SB436A

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Quant Time: Mar 03 04:55:38 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 03 00:22:20 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

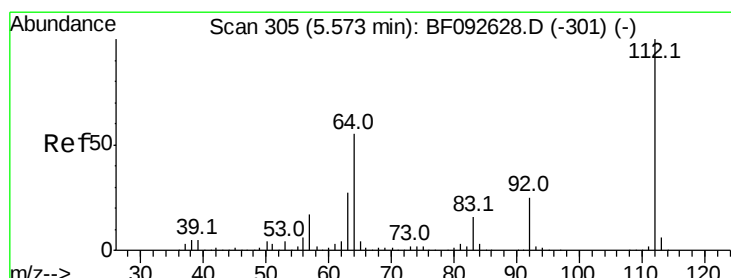
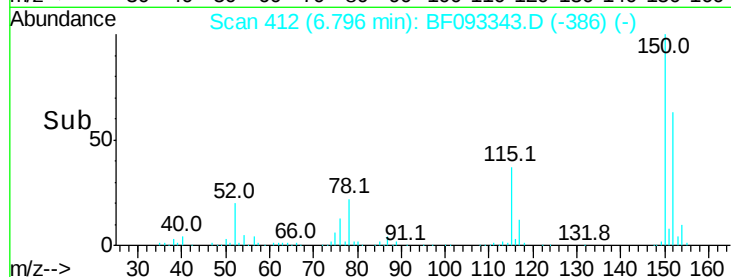
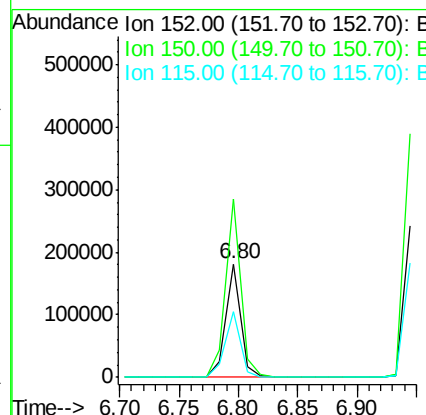
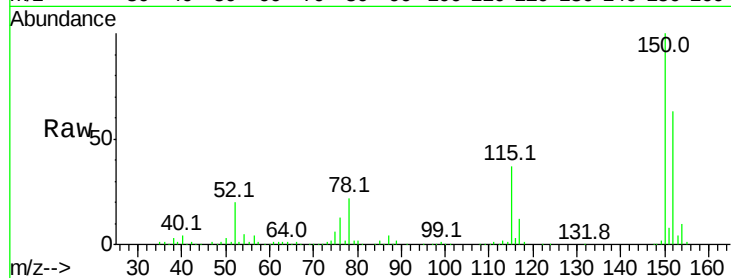
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.9	187.3
115	57.5	46.0	69.0

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#5

2-Fluorophenol

Concen: 116.98 ng

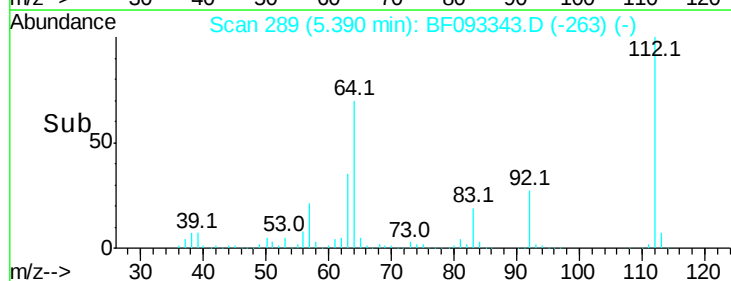
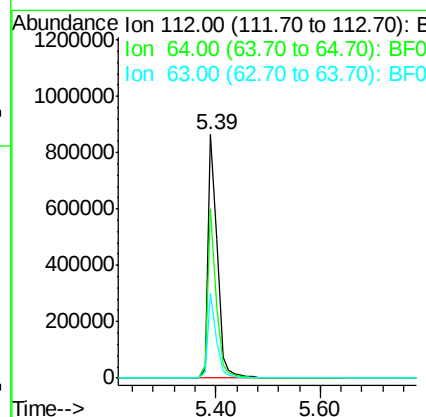
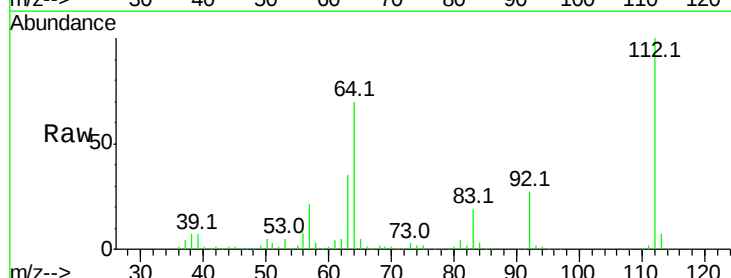
RT: 5.39 min Scan# 289

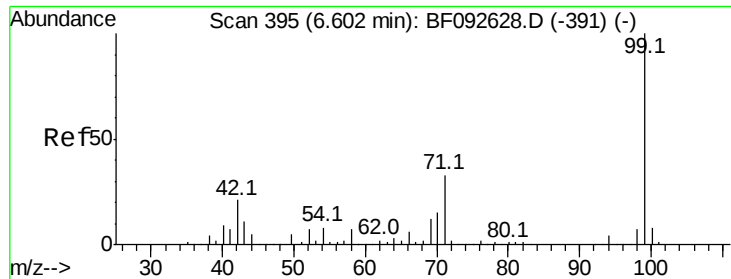
Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.7	46.1	69.1#
63	34.8	23.8	35.6





#7

Phenol-d6

Concen: 109.22 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HY-SB436A

Tot Ion: 99 Resp: 1283115

Ion Ratio Lower Upper

99 100

42 20.9 15.6 23.4

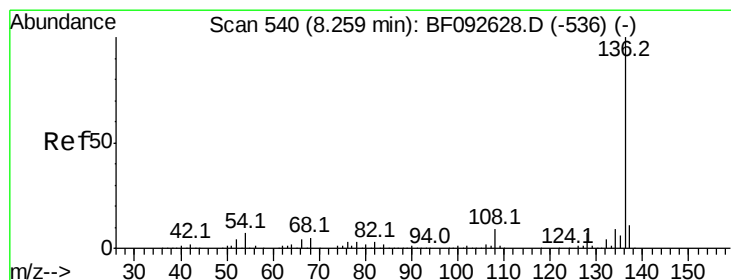
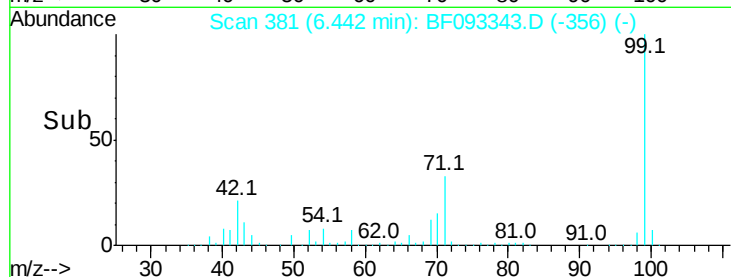
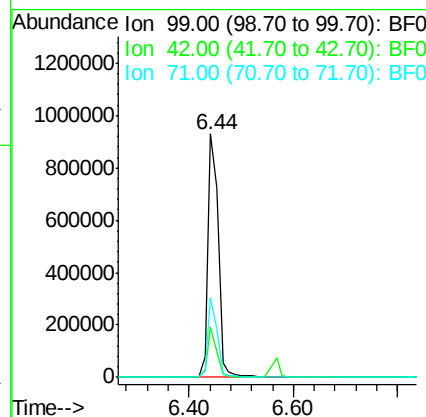
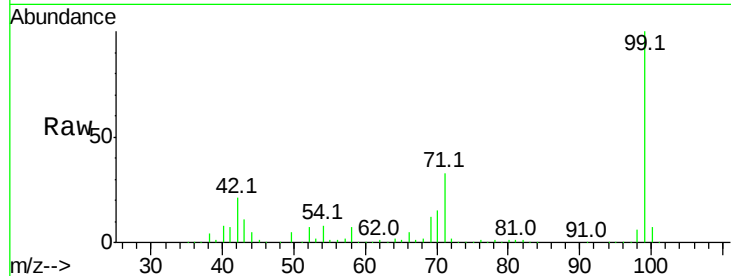
71 32.7 27.5 41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Tgt Ion: 136 Resp: 627039

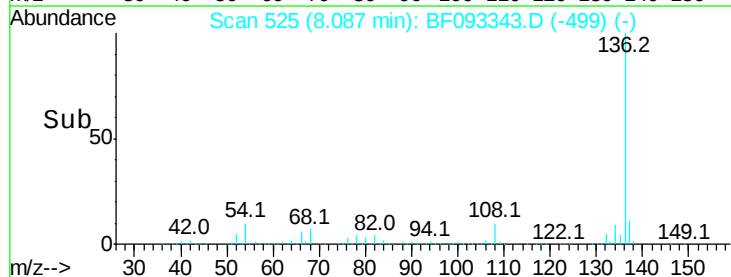
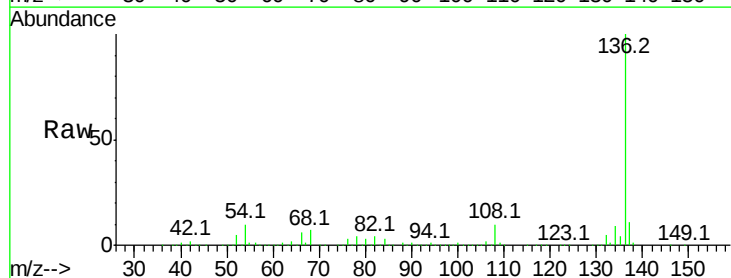
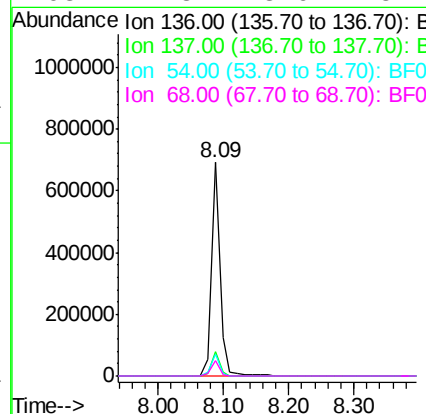
Ion Ratio Lower Upper

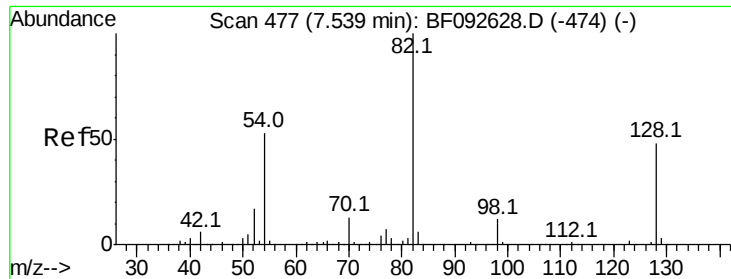
136 100

137 11.1 8.4 12.6

54 10.0 4.5 6.7#

68 7.3 3.6 5.4#





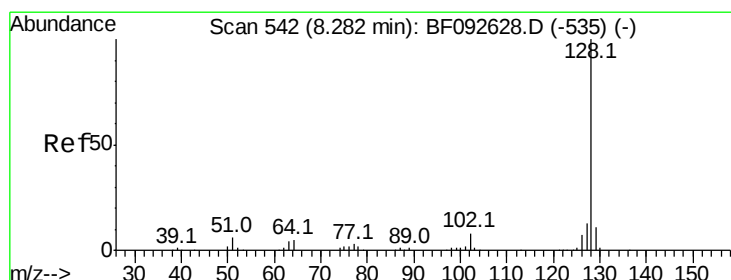
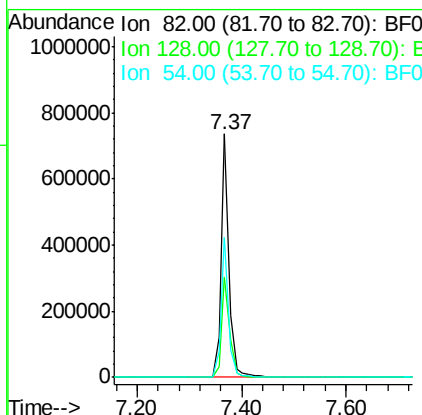
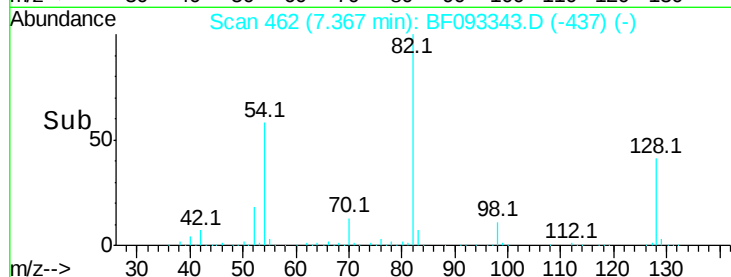
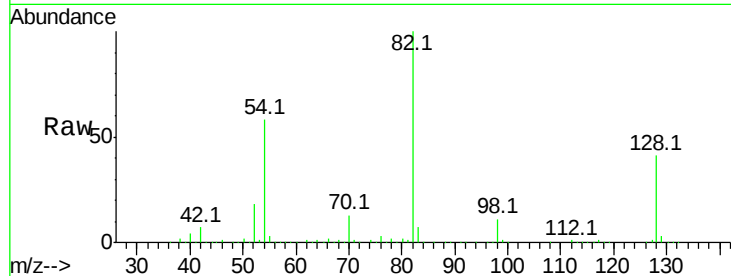
#23
 Nitrobenzene-d5
 Concen: 67.99 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436A

Tot Ion:	82	Resp:	765553
Ion Ratio	Lower	Upper	
82	100		
128	41.2	34.6	52.0
54	57.6	39.5	59.3

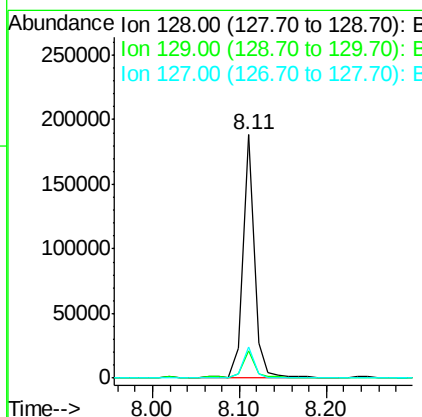
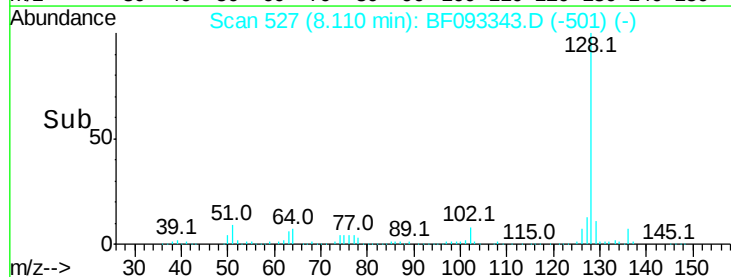
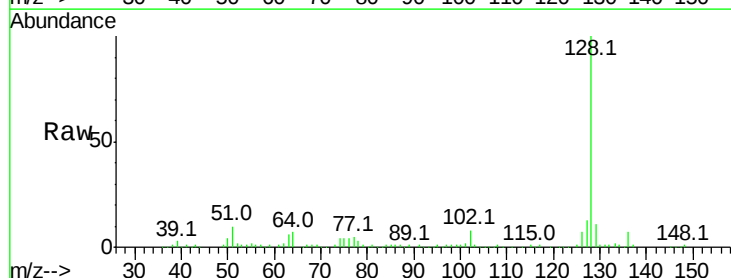
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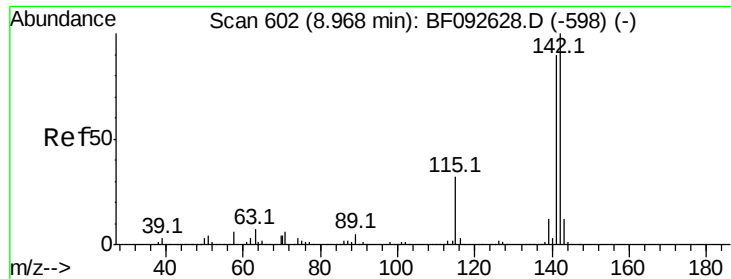
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#31
 Naphthalene
 Concen: 5.39 ng
 RT: 8.11 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Tgt Ion:	128	Resp:	171481
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.5	14.3
127	13.0	10.8	16.2





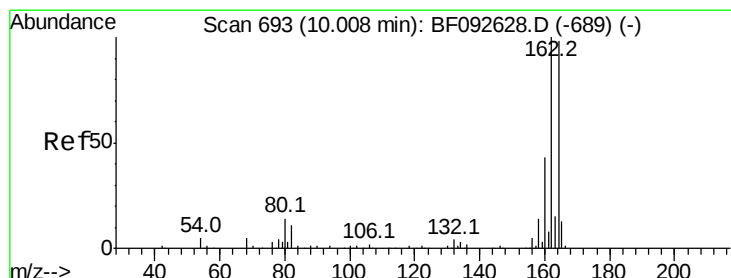
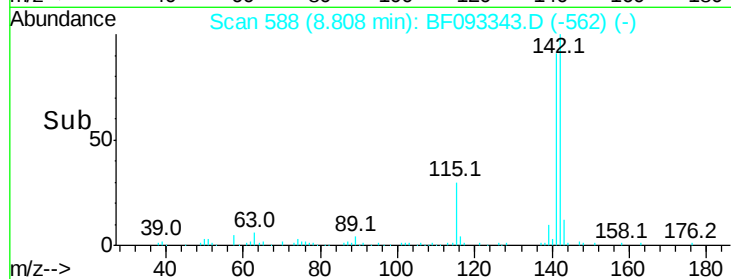
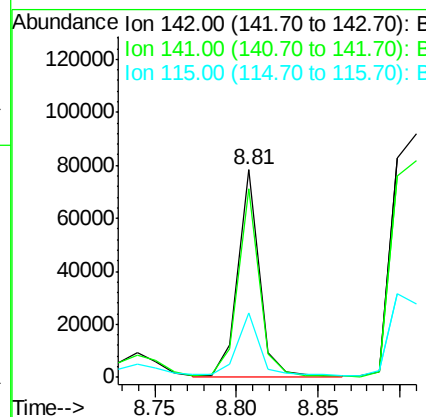
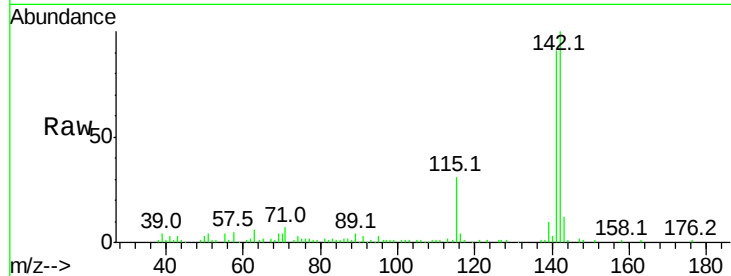
#37
2-Methylnaphthalene
Concen: 3.46 ng
RT: 8.81 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HY-SB436A

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.0	106.6
115	31.0	28.3	42.5

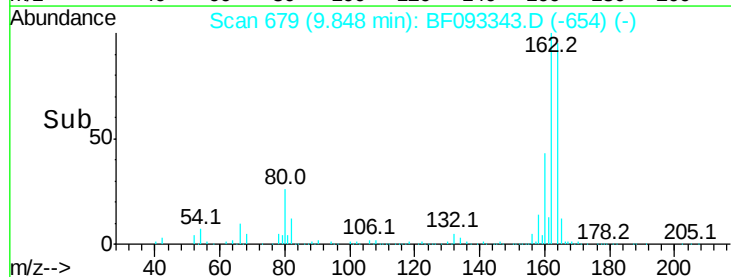
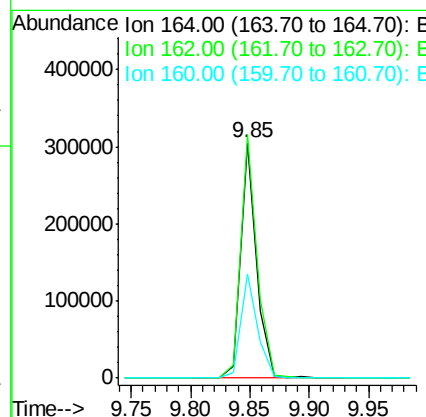
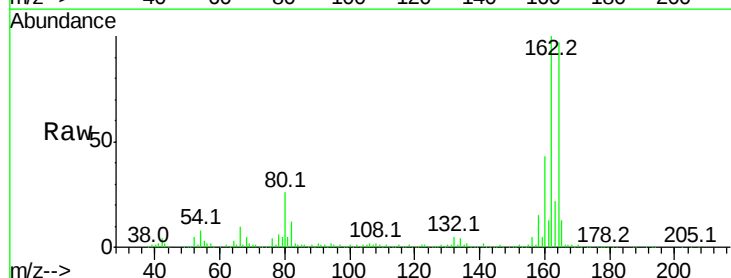
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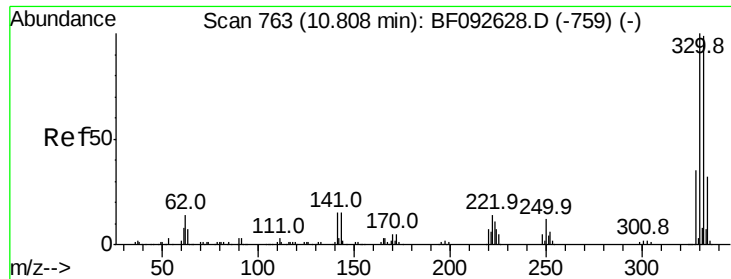
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	80.2	120.2
160	44.4	36.9	55.3





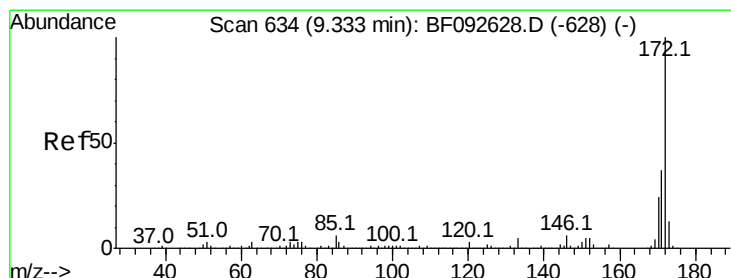
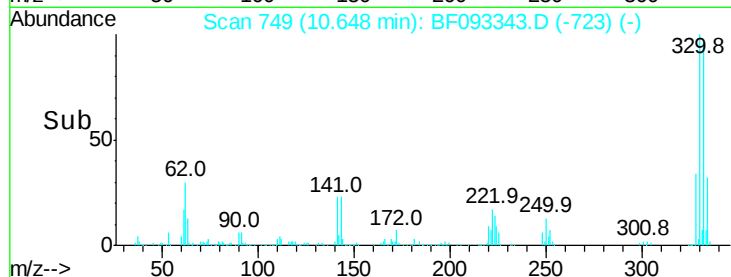
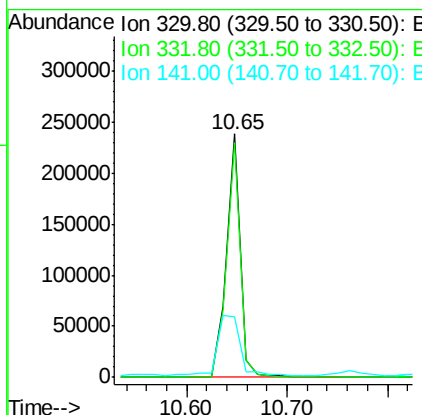
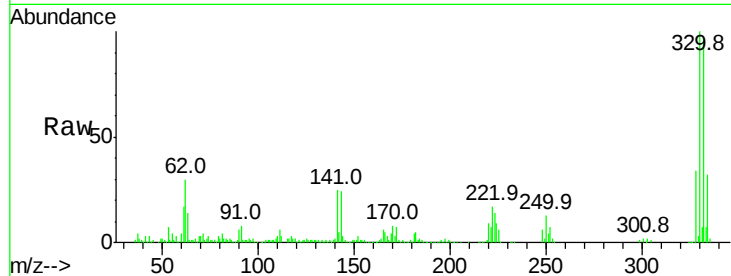
#41
 2,4,6-Tribromophenol
 Concen: 110.67 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	228400		
332	96.7		77.4	116.2
141	39.7		34.1	51.1

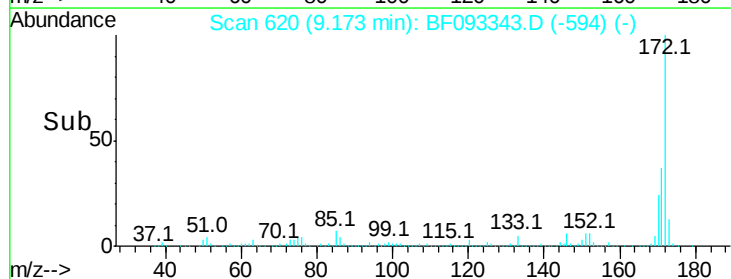
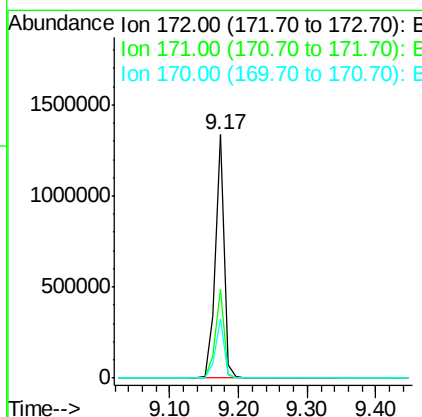
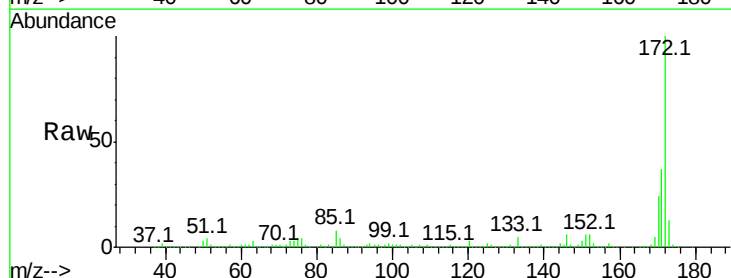
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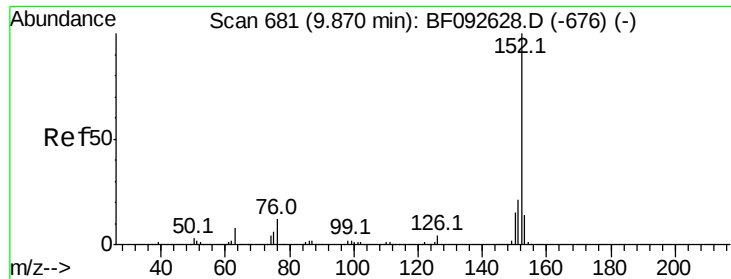
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#44
 2-Fluorobiphenyl
 Concen: 78.10 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1230149		
171	36.6		29.4	44.0
170	24.4		20.2	30.4





#48

Acenaphthylene

Concen: 9.33 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.01 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

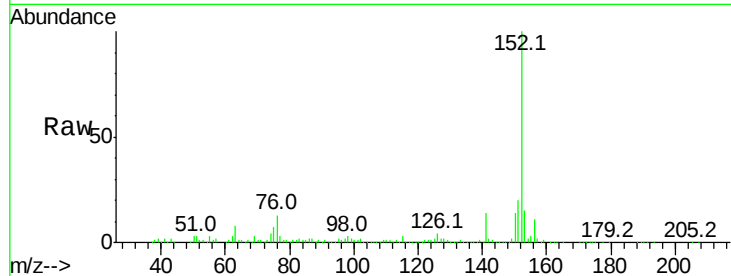
ClientSampleId :

HY-SB436A

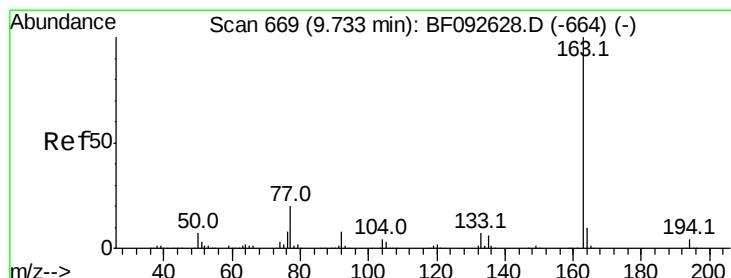
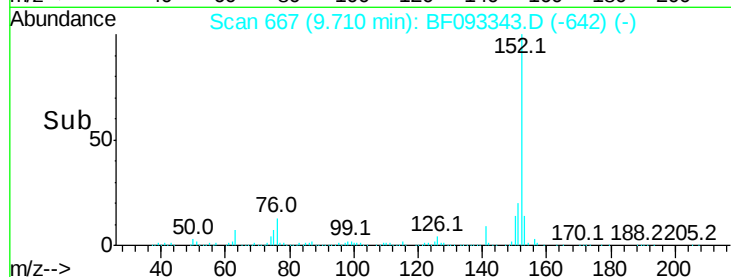
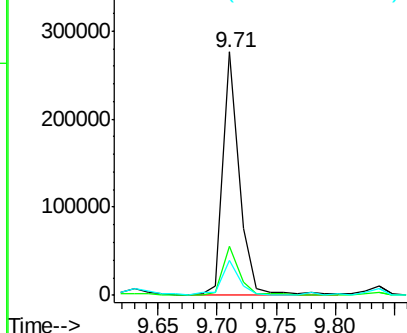
Tot Ion:	152	Resp:	260621
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.9	25.3
153	14.5	11.4	17.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 22.36 ng

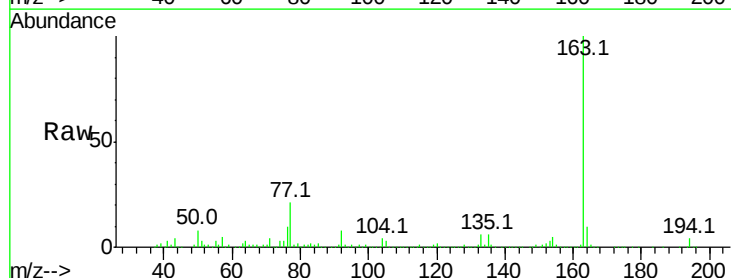
RT: 9.57 min Scan# 655

Delta R.T. -0.01 min

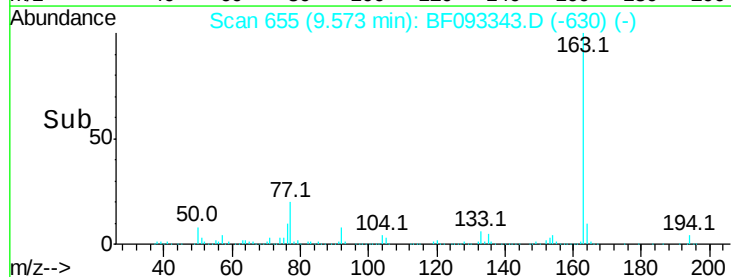
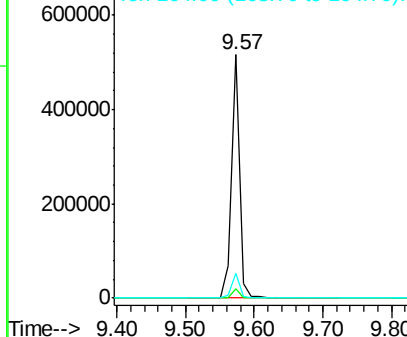
Lab File: BF093343.D

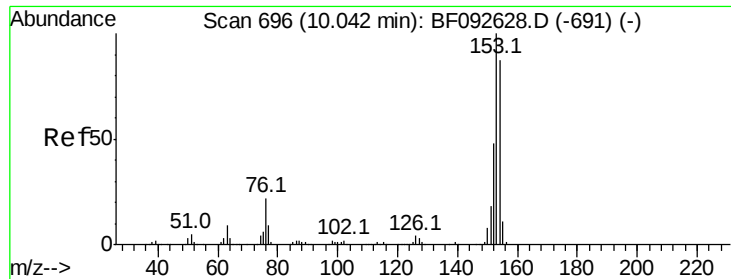
Acq: 3 Mar 2017 1:34

Tgt Ion:	163	Resp:	429844
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.0	4.4
164	10.3	8.0	12.0



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





#51

Acenaphthene

Concen: 5.56 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

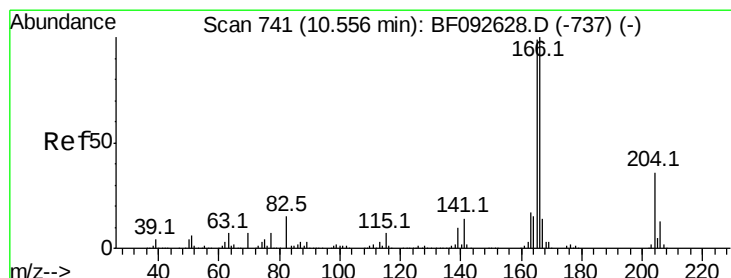
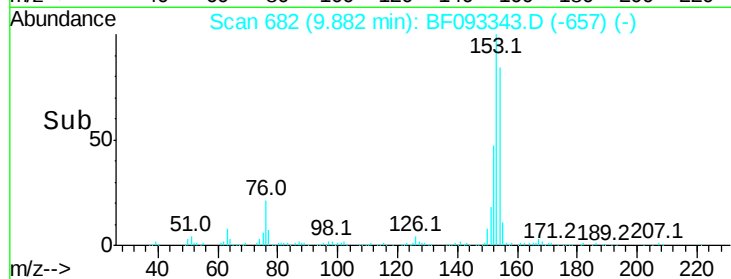
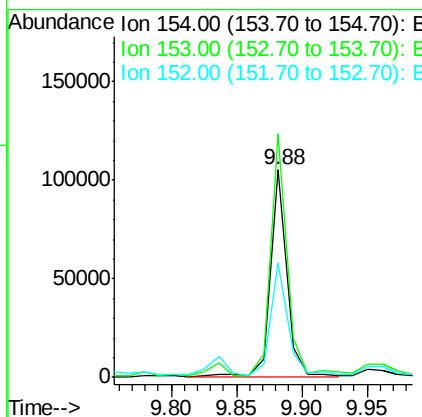
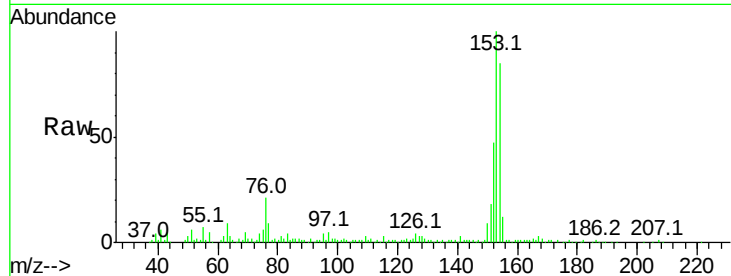
ClientSampleId :

HY-SB436A

Tot Ion:	154	Resp:	92796
Ion Ratio	Lower	Upper	
154	100		
153	117.5	88.6	133.0
152	55.0	41.6	62.4

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#57

Fluorene

Concen: 7.04 ng m

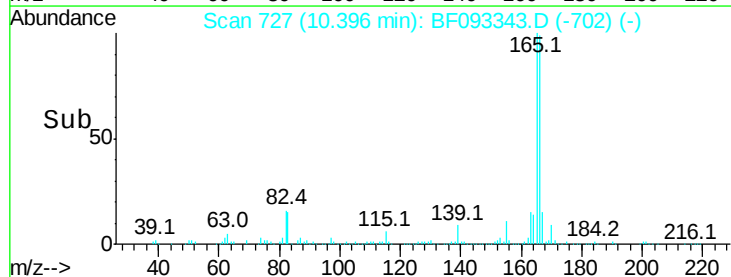
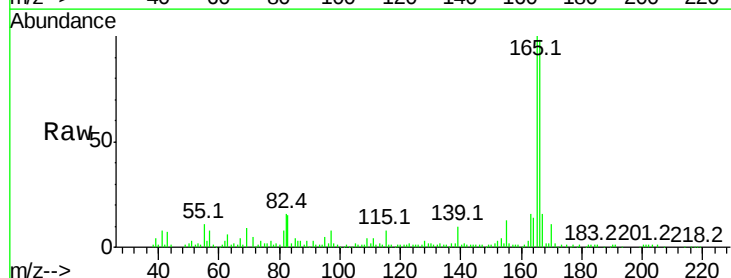
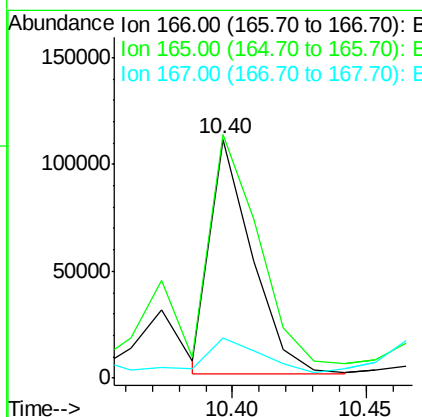
RT: 10.40 min Scan# 727

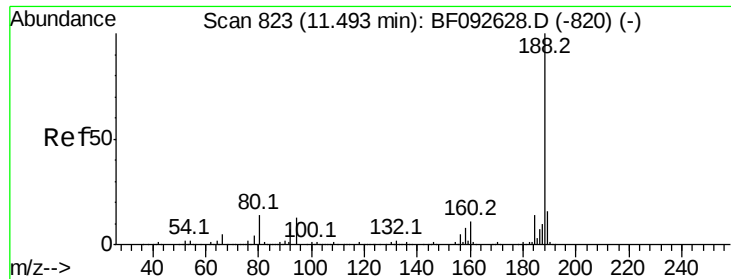
Delta R.T. -0.01 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Tgt Ion:	166	Resp:	120933
Ion Ratio	Lower	Upper	
166	100		
165	101.9	77.8	116.8
167	16.6	10.8	16.2#





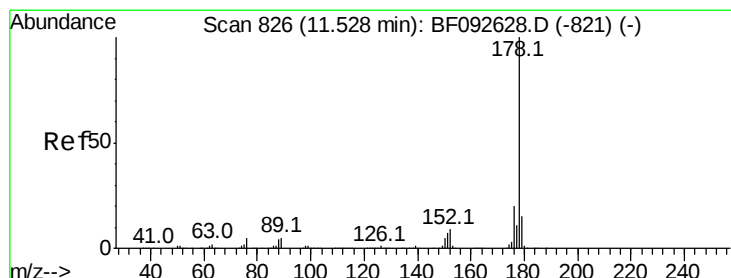
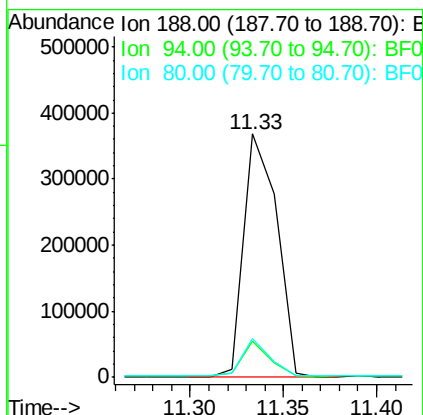
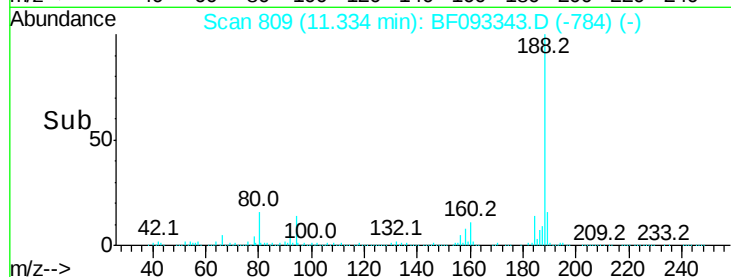
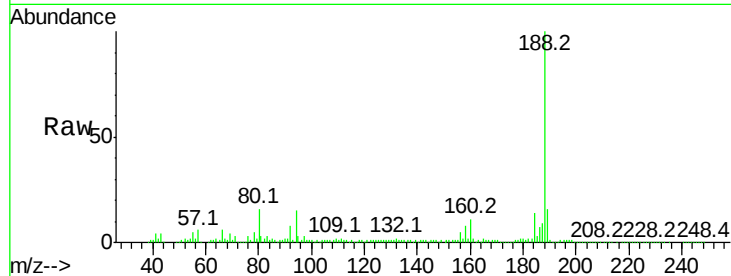
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HY-SB436A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	455854		
94	14.7	10.0	15.0	
80	16.0	11.2	16.8	

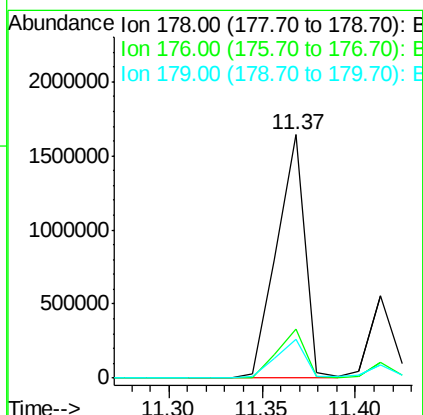
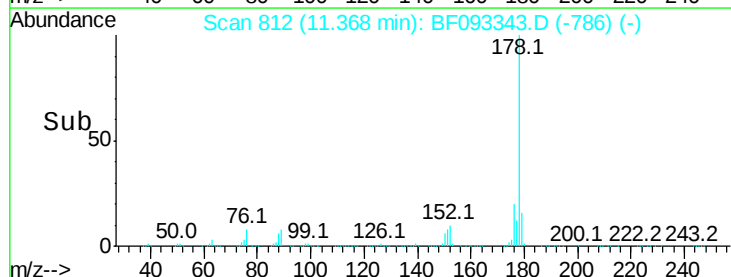
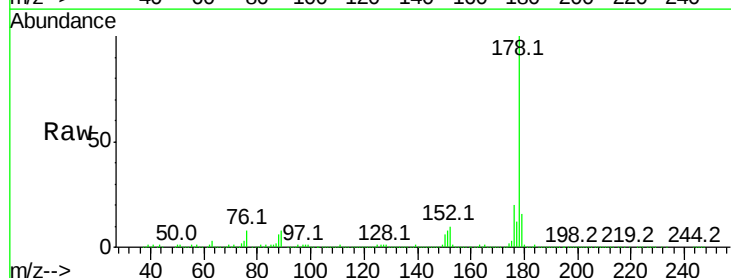
Manual Integrations
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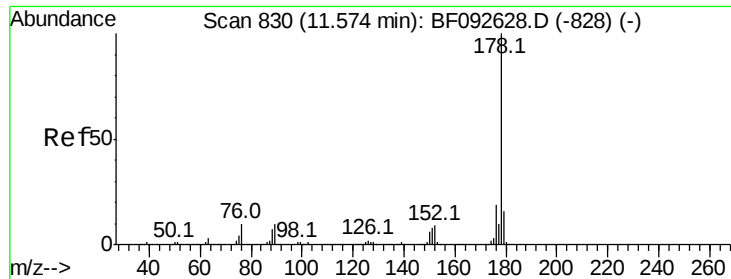
mohammad
3/3/2017 5:16:57 PM



#70
Phenanthrene
Concen: 65.90 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1720966		
176	20.3	16.6	25.0	
179	15.8	12.8	19.2	





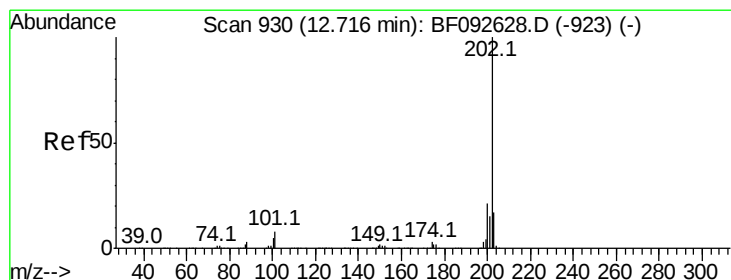
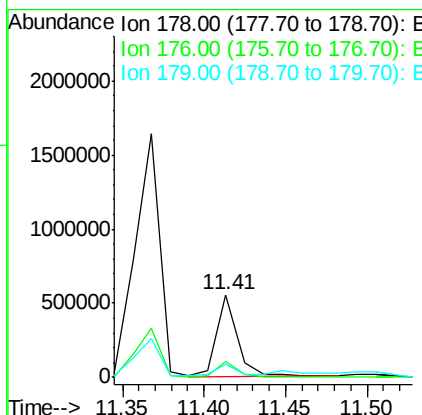
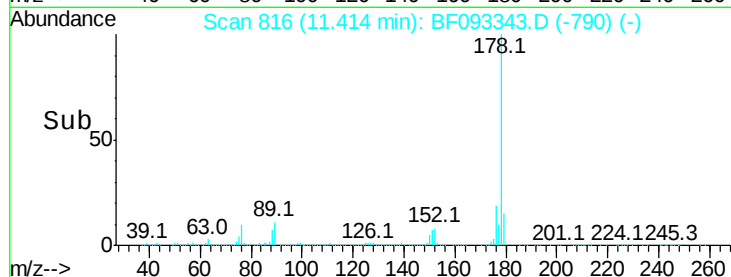
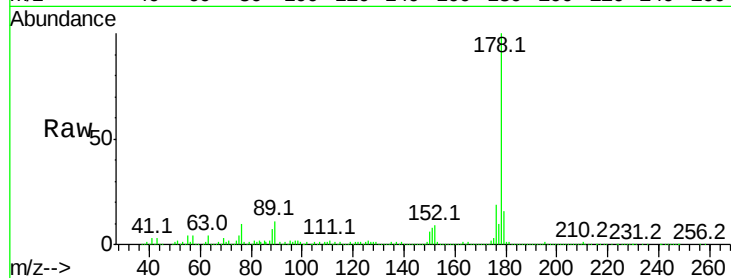
#71
 Anthracene
 Concen: 18.47 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	16.1	13.2	19.8

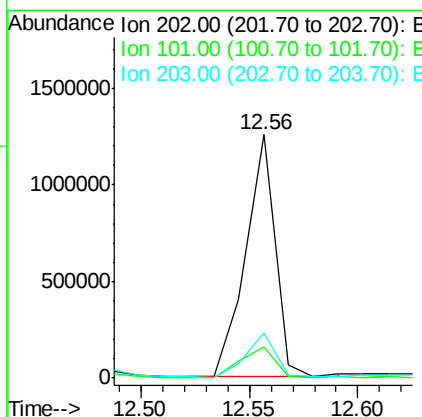
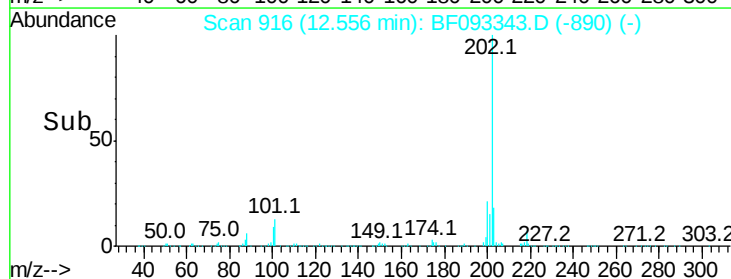
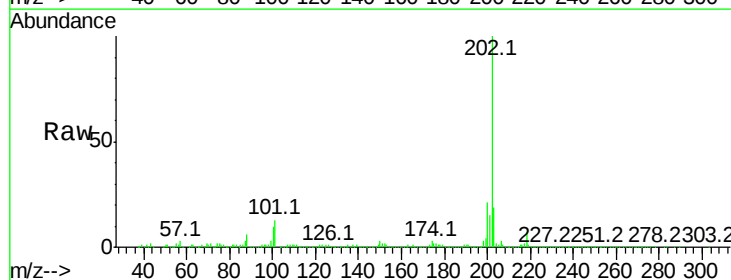
Manual Integrations
 APPROVED

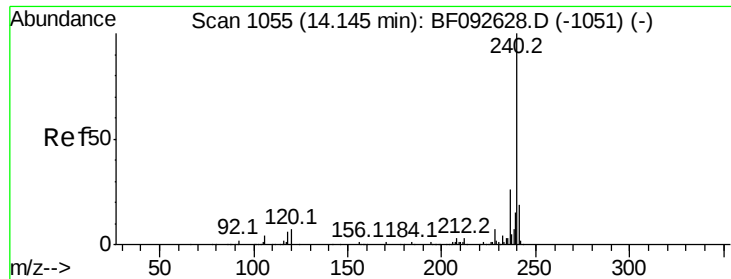
mohammad
 3/3/2017 5:16:57 PM



#74
 Fluoranthene
 Concen: 44.39 ng
 RT: 12.56 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BF093343.D
 Acq: 3 Mar 2017 1:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.6
203	18.5	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

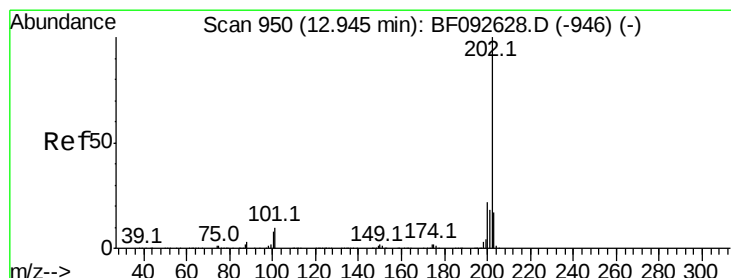
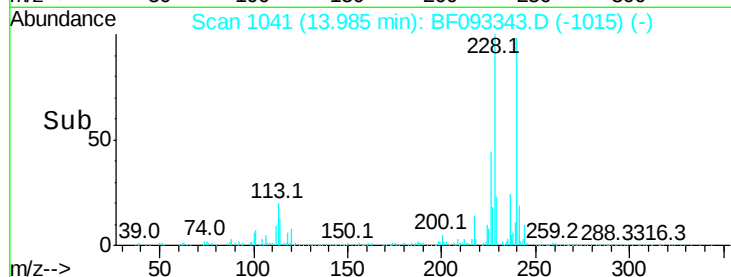
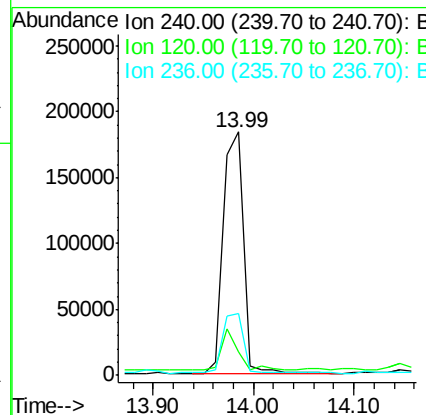
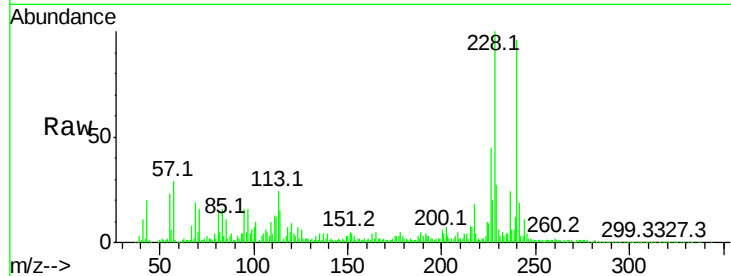
ClientSampleId :

HY-SB436A

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.8	12.9	19.3#
236	25.3	20.9	31.3

Manual Integrations
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#77

Pyrene

Concen: 115.31 ng

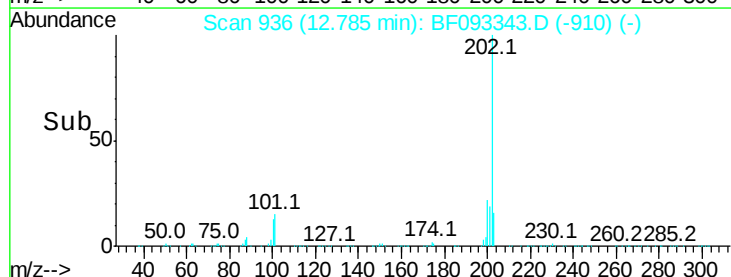
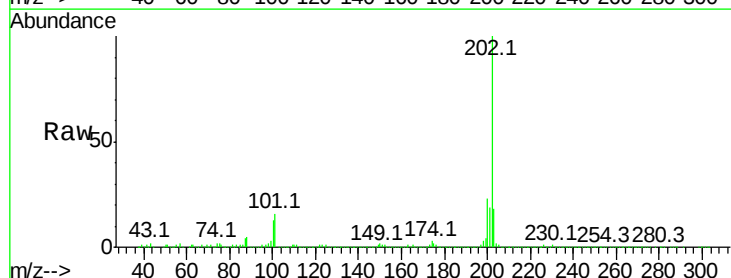
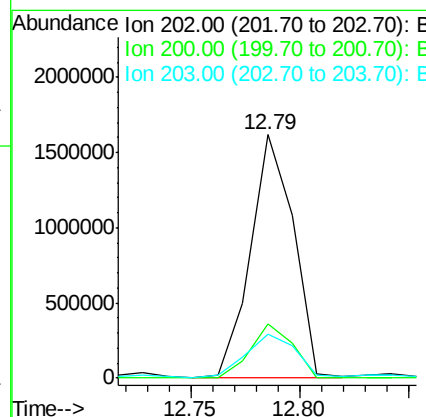
RT: 12.79 min Scan# 936

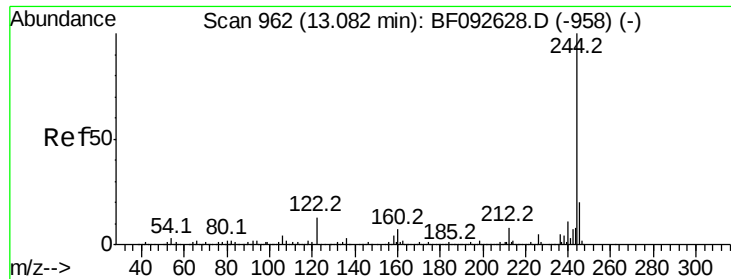
Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.7	26.5
203	18.3	14.7	22.1





#78

Terphenyl-d14

Concen: 67.67 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

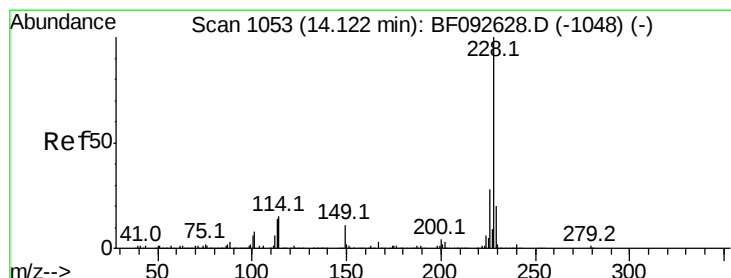
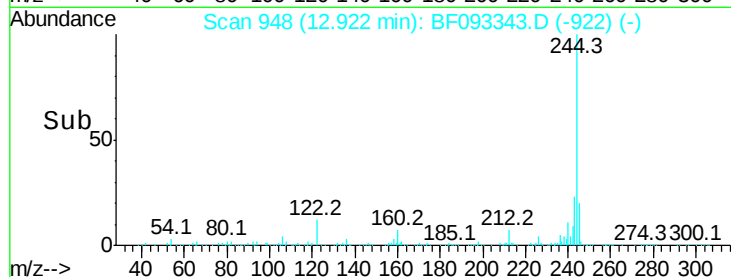
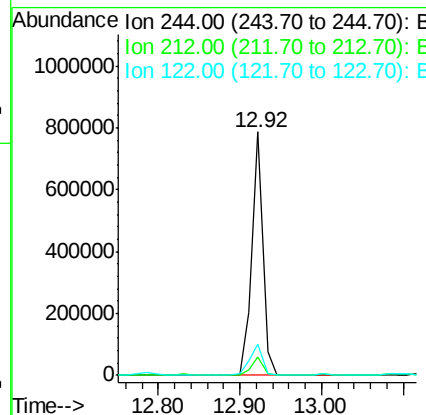
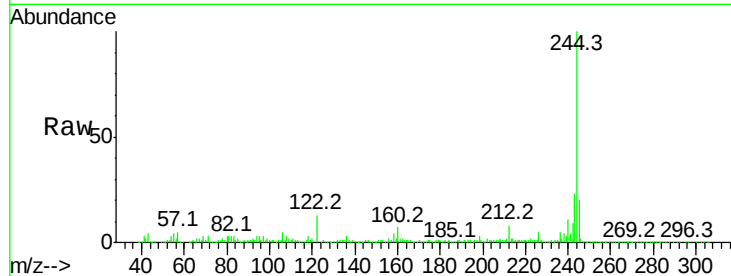
ClientSampled :

HY-SB436A

Tot Ion:	244	Resp:	738364
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.2	9.2
122	12.6	11.4	17.2

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 60.73 ng m

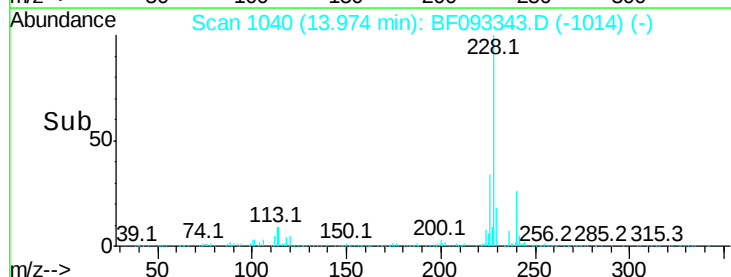
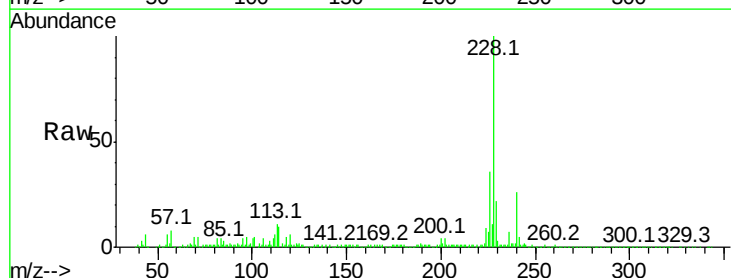
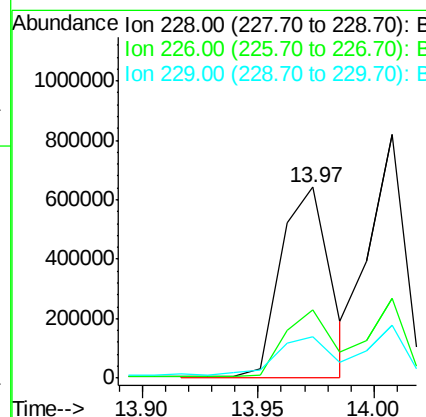
RT: 13.97 min Scan# 1040

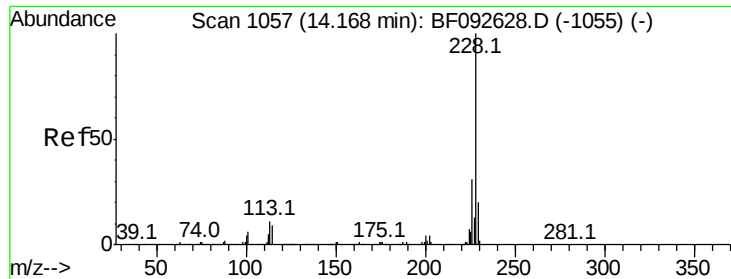
Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Tgt Ion:	228	Resp:	952269
Ion Ratio	Lower	Upper	
228	100		
226	35.8	22.4	33.6#
229	21.5	16.2	24.4





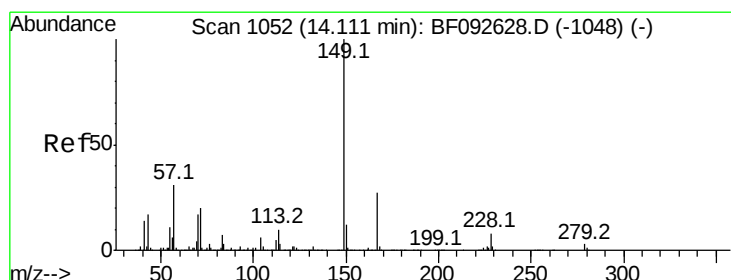
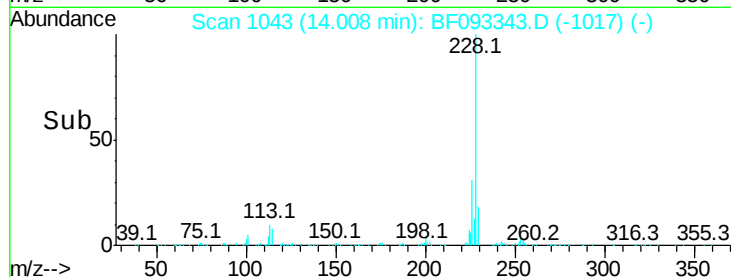
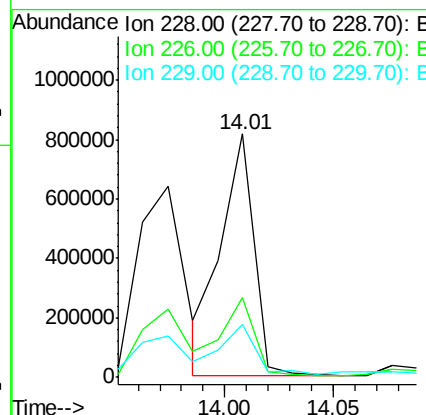
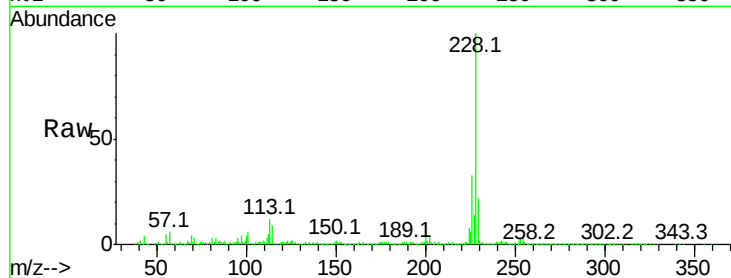
#82
Chrysene
Concen: 58.41 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Instrument :
BNA_F
ClientSampled :
HY-SB436A

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.4	38.0
229	21.6	16.2	24.2

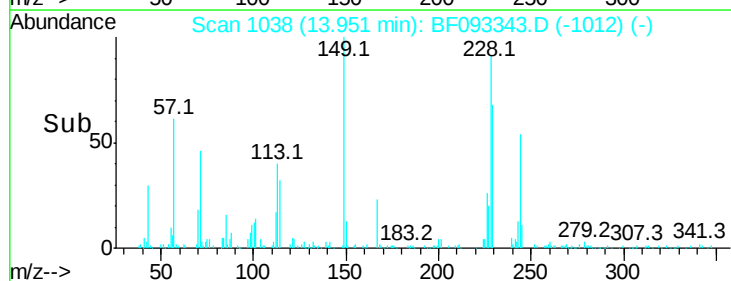
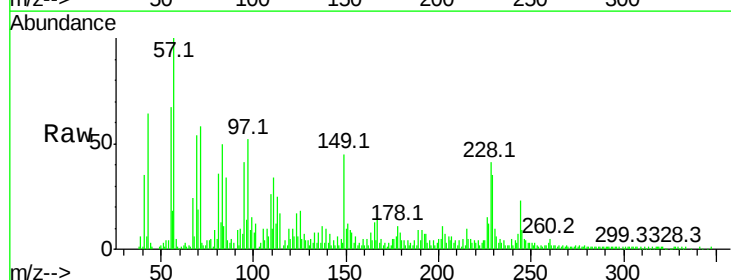
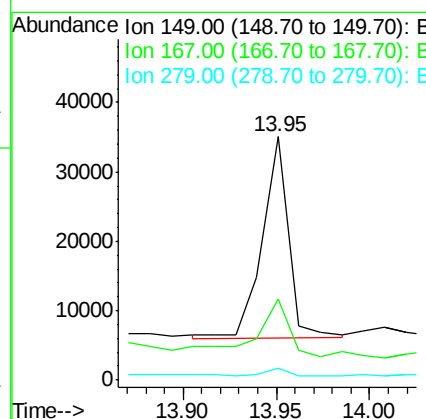
Manual Integrations
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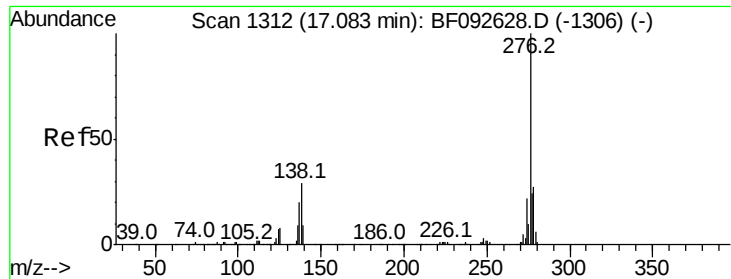
mohammad
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.71 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	33.3	20.2	30.4#
279	5.0	1.8	2.8#





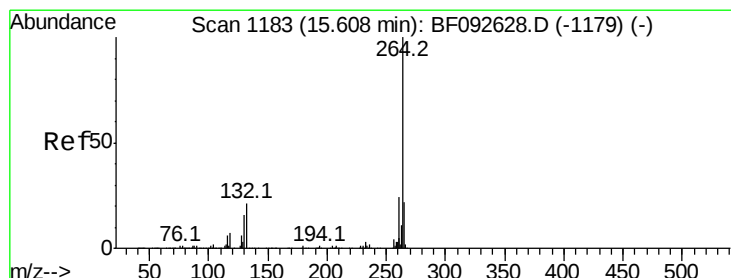
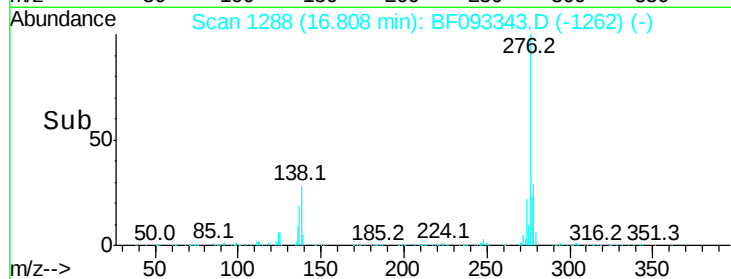
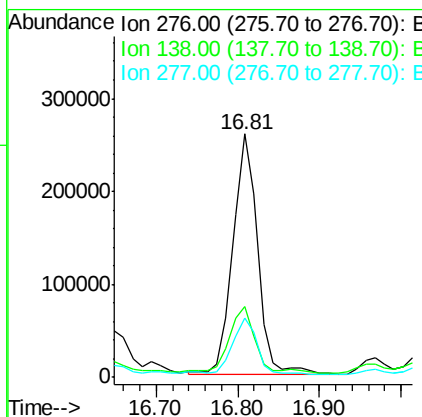
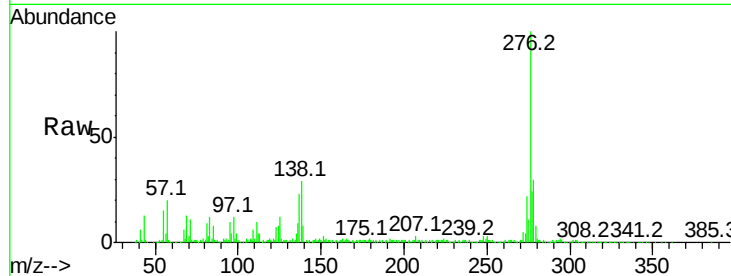
#85
Indeno(1,2,3-cd)pyrene
Concen: 47.57 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HY-SB436A

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.8	32.6
277	24.8	20.2	30.4

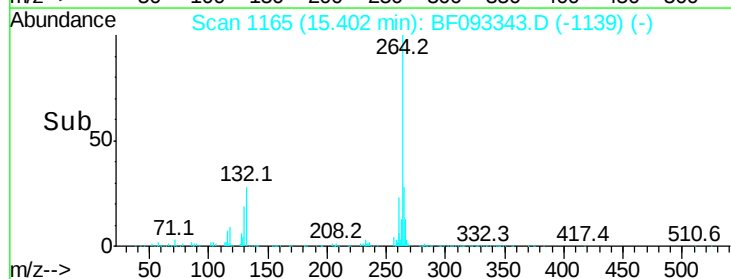
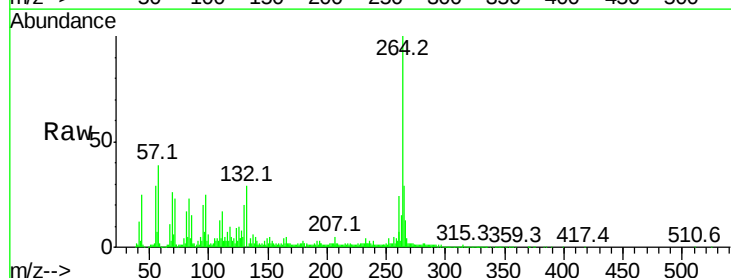
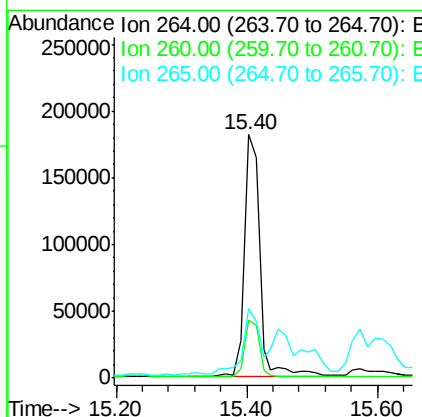
Manual Integrations
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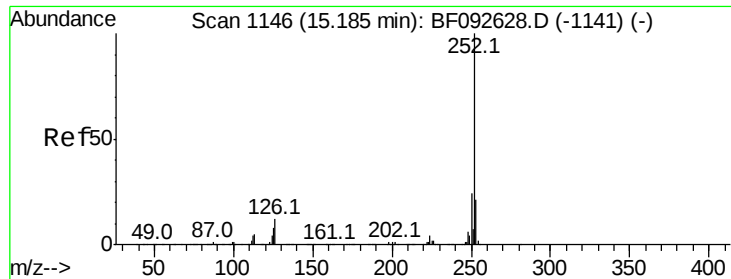
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	28.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 39.99 ng m

RT: 15.00 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

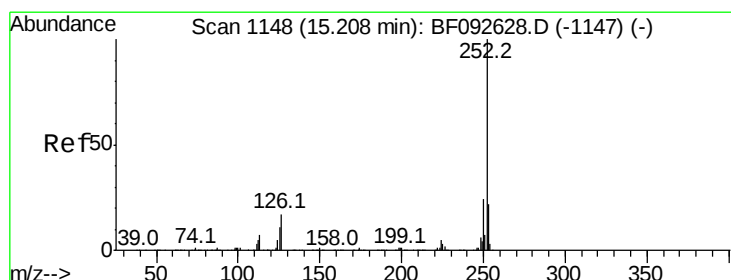
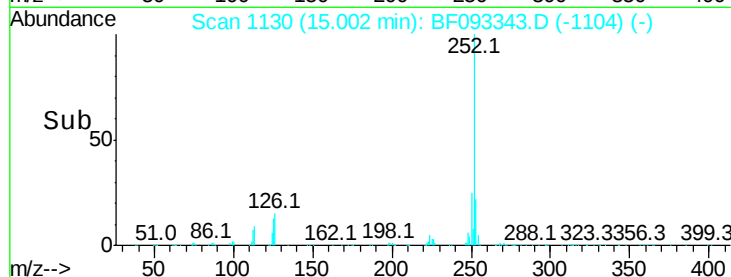
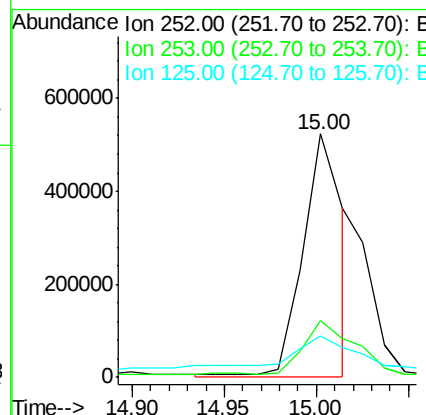
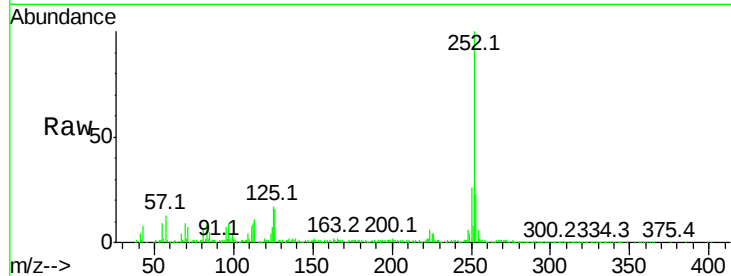
ClientSampleId :

HY-SB436A

Tot Ion:	252	Resp:	789472
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.4
125	17.2	9.8	14.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 15.20 ng m

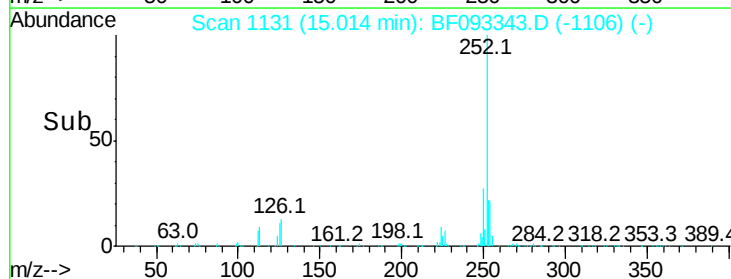
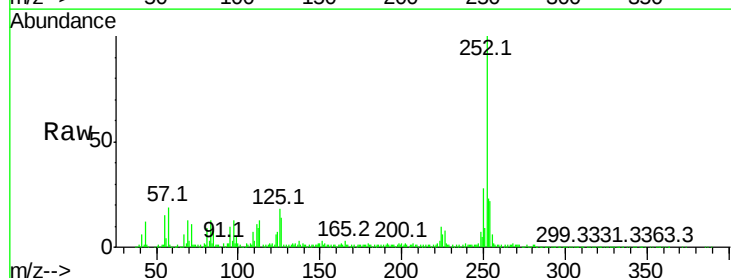
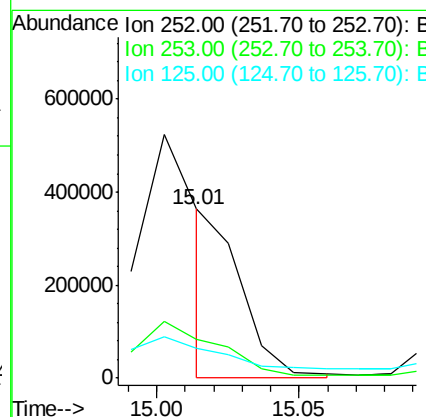
RT: 15.01 min Scan# 1131

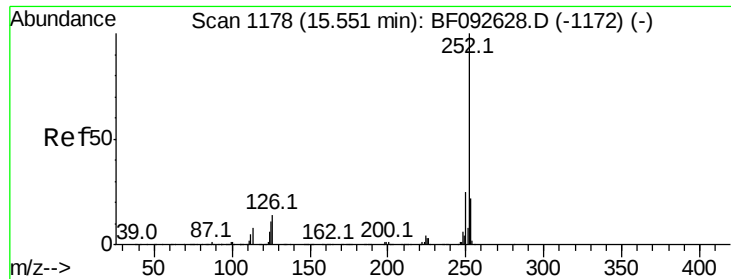
Delta R.T. -0.01 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Tgt Ion:	252	Resp:	259175
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.5	27.7
125	17.7	8.9	13.3#





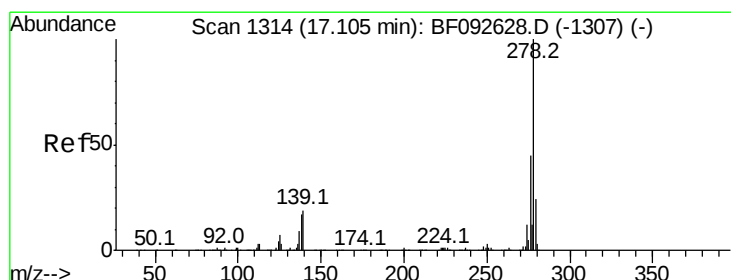
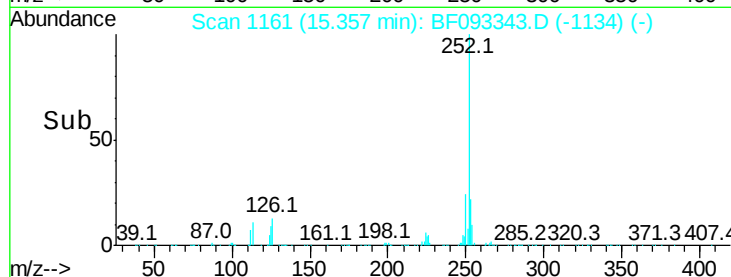
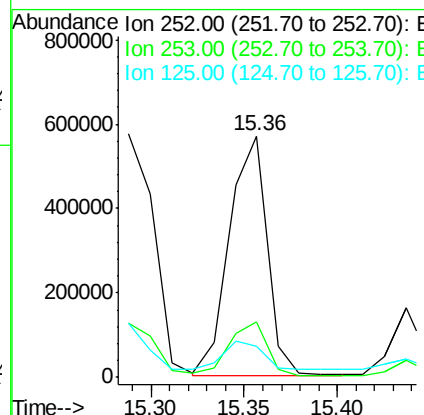
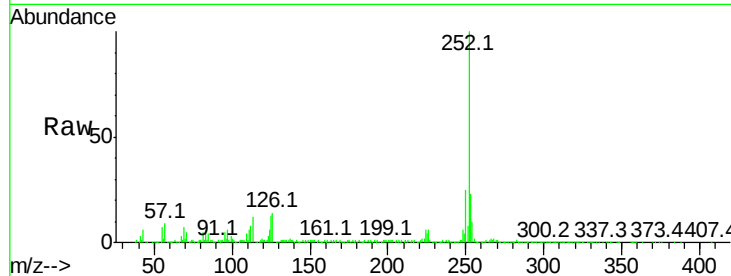
#89
Benzo(a)pyrene
Concen: 47.51 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HY-SB436A

Tot Ion	Ratio	Resp	Lower	Upper
252	100	811288		
253	22.9	18.2	27.2	
125	12.9	10.0	15.0	

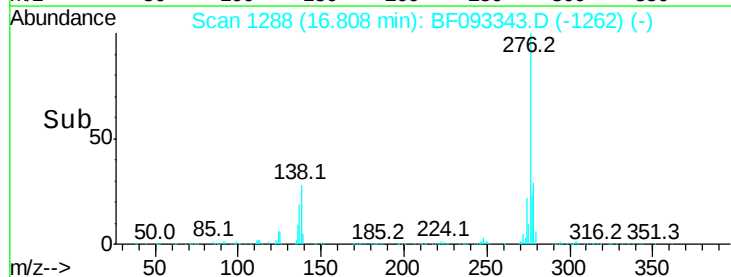
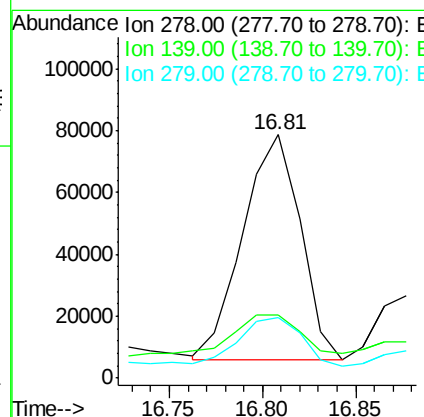
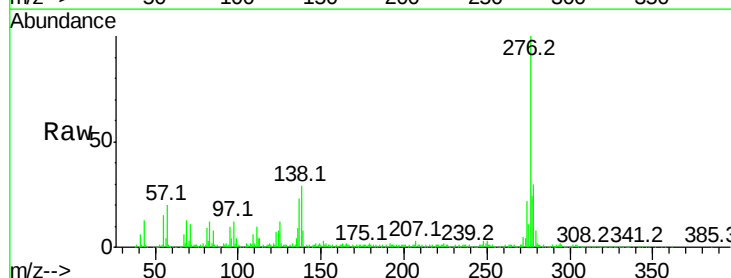
Manual Integrations
APPROVED

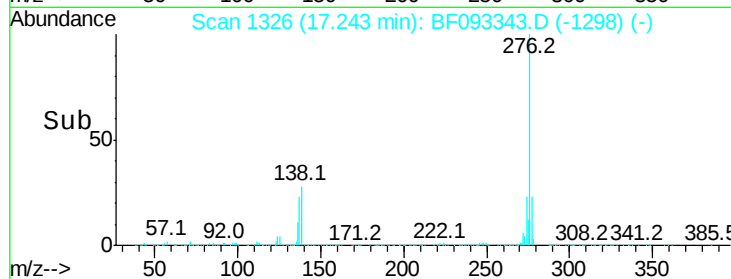
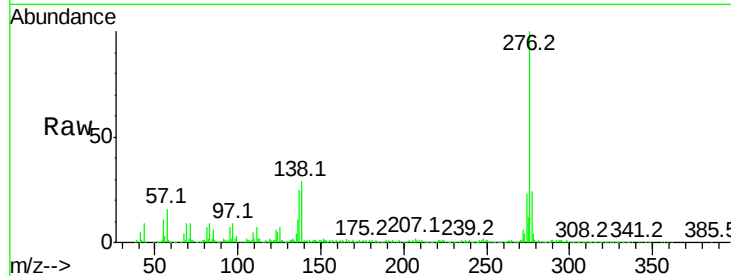
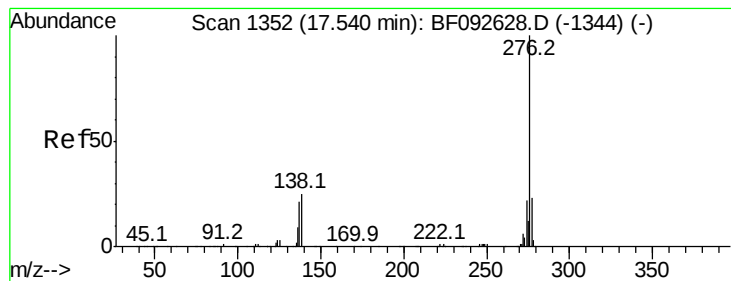
mohammad
3/3/2017 5:16:57 PM



#90
Dibenzo(a,h)anthracene
Concen: 11.26 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BF093343.D
Acq: 3 Mar 2017 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	155390		
139	26.1	14.8	22.2	#
279	25.0	19.8	29.6	





#91

Benzo(a,h,i)perylene

Concen: 59.45 ng

RT: 17.24 min Scan# 1326

Delta R.T. 0.02 min

Lab File: BF093343.D

Acq: 3 Mar 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HY-SB436A

Tot Ion:	276	Resp:	828963
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.2	28.8
138	28.6	16.0	24.0#

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