

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
 Data File : BF093298.D
 Acq On : 1 Mar 2017 19:19
 Operator : SJ/MA
 Sample : I2003-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421B

Manual Integrations
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 3/2/2017 1:42:38 PM

Quant Time: Mar 02 00:42:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	132480	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	570807	20.00	ng	-0.06
38) Acenaphthene-d10	9.84	164	259722	20.00	ng	-0.06
63) Phenanthrene-d10	11.33	188	483463	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	373517	20.00	ng	-0.05
86) Perylene-d12	15.39	264	284278	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	915681	118.58	ng	-0.05
7) Phenol-d6	6.45	99	1118919	112.62	ng	-0.03
23) Nitrobenzene-d5	7.38	82	793140	77.38	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	223155	118.80	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1154132	80.51	ng	-0.06
78) Terphenyl-d14	12.91	244	1004009	63.16	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	321089	18.35	ng	98
70) Phenanthrene	11.36	178	377044	13.61	ng	98
71) Anthracene	11.40	178	78404	2.82	ng	98
74) Fluoranthene	12.55	202	553865	19.39	ng	94
77) Pyrene	12.77	202	516833	18.49	ng	98
80) Benzo(a)anthracene	13.96	228	252856	11.07	ng	99
82) Chrysene	14.00	228	239553	11.20	ng	98
85) Indeno(1,2,3-cd)pyrene	16.79	276	144203	8.70	ng	97
87) Benzo(b)fluoranthene	14.99	252	273655m	14.63	ng	
88) Benzo(k)fluoranthene	15.01	252	93811m	5.81	ng	
89) Benzo(a)pyrene	15.33	252	220668	13.63	ng	99
90) Dibenzo(a,h)anthracene	16.79	278	35083m	2.68	ng	
91) Benzo(a,h,i)perylene	17.21	276	136797	10.35	ng	# 92

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

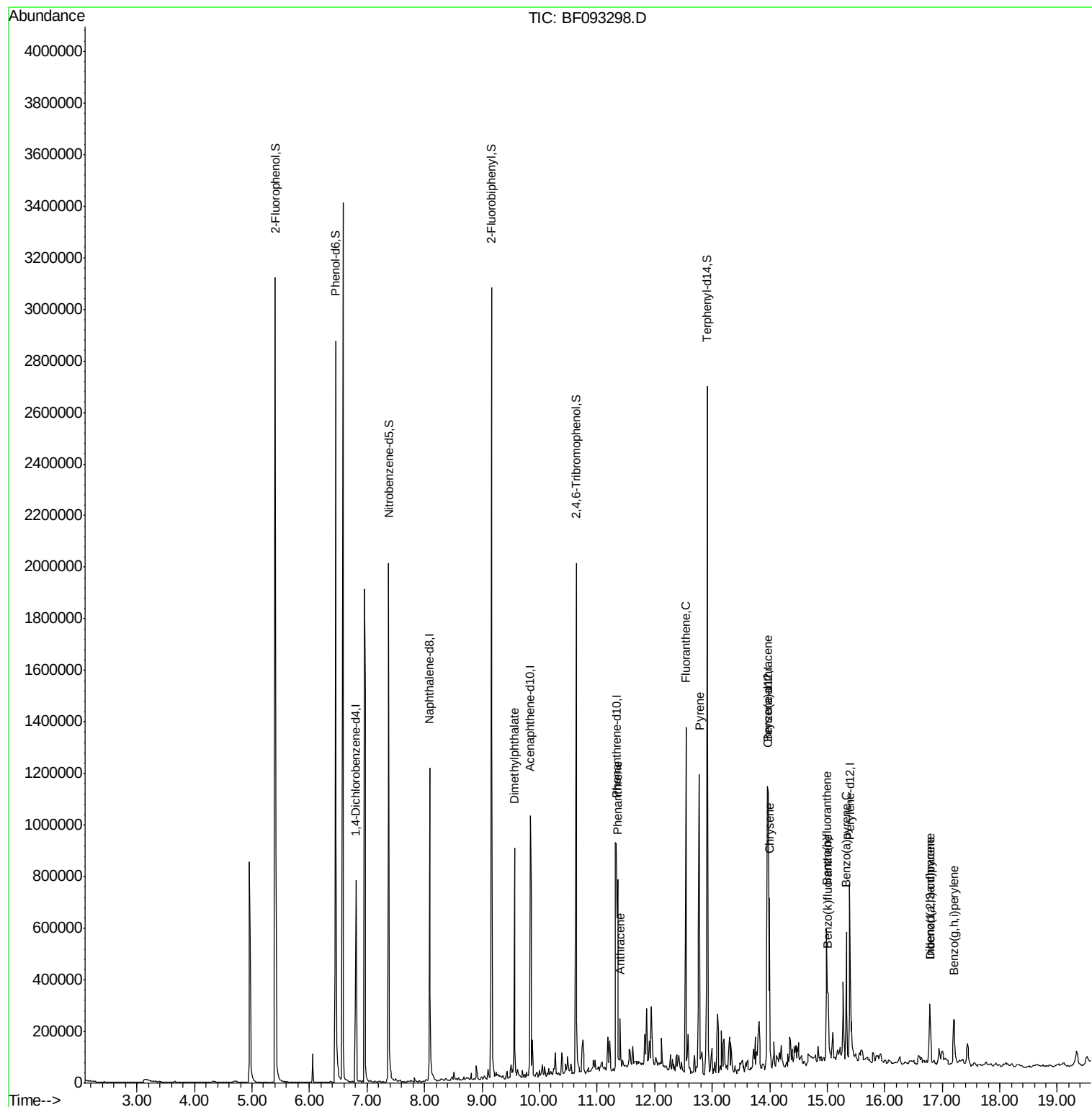
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093298.D
Acq On : 1 Mar 2017 19:19
Operator : SJ/MA
Sample : I2003-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

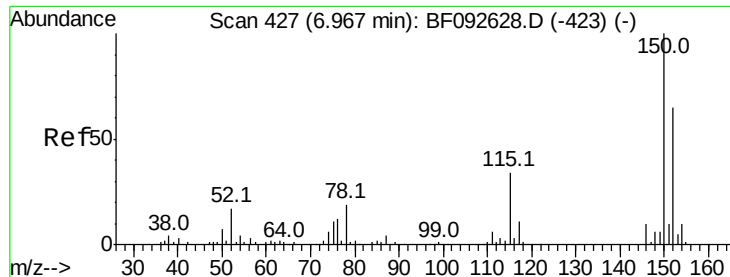
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093298.D

Acq: 1 Mar 2017 19:19

Instrument :

BNA_F

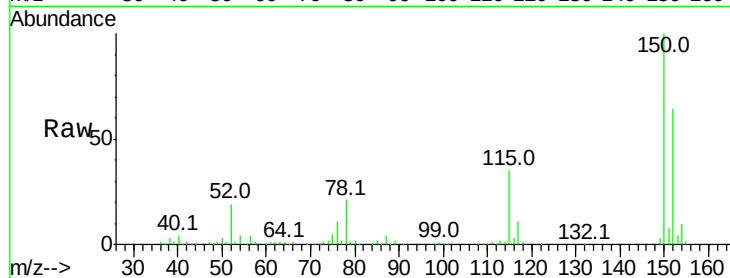
ClientSampleId :

HY-SB421B

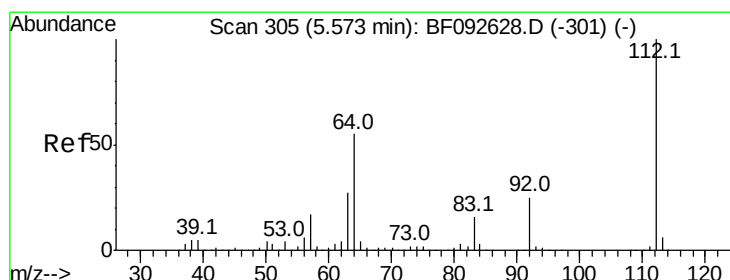
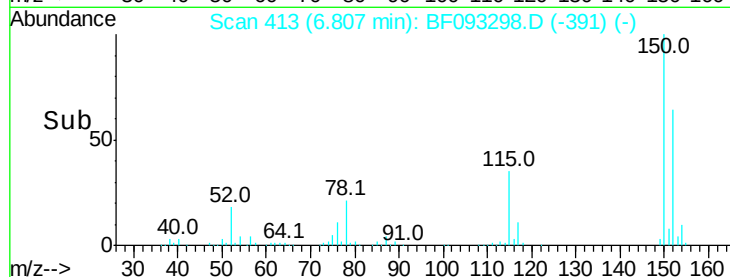
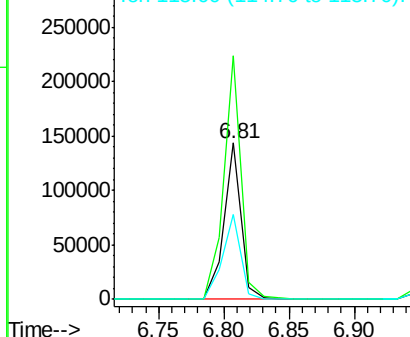
Tot Ion:	152	Resp:	132480
Ion Ratio	Lower	Upper	
152	100		
150	155.7	124.9	187.3
115	54.4	46.0	69.0

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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: 118.58 ng

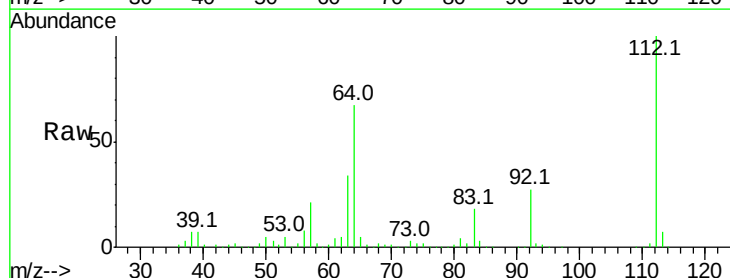
RT: 5.40 min Scan# 290

Delta R.T. -0.05 min

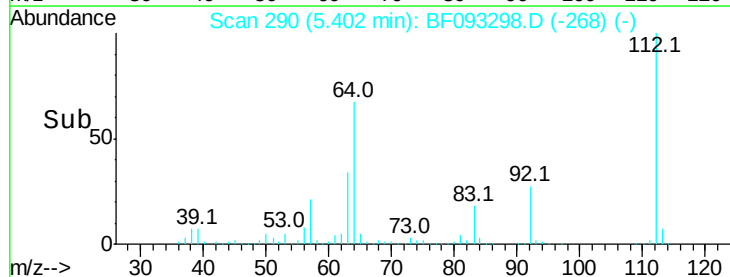
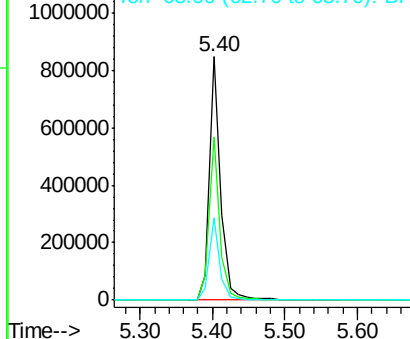
Lab File: BF093298.D

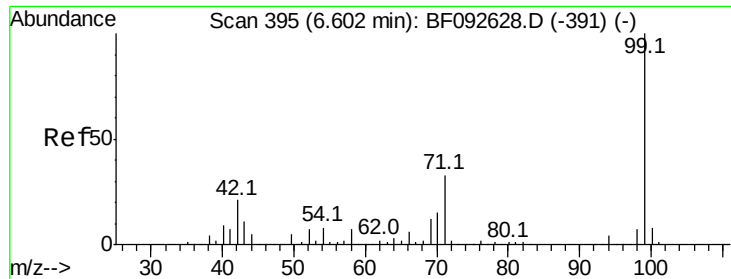
Acq: 1 Mar 2017 19:19

Tgt Ion:	112	Resp:	915681
Ion Ratio	Lower	Upper	
112	100		
64	67.1	46.1	69.1
63	33.6	23.8	35.6



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: 112.62 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093298.D

Acq: 1 Mar 2017 19:19

Instrument :

BNA_F

ClientSampled :

HY-SB421B

Tot Ion: 99 Resp: 1118919

Ion Ratio Lower Upper

99 100

42 20.2 15.6 23.4

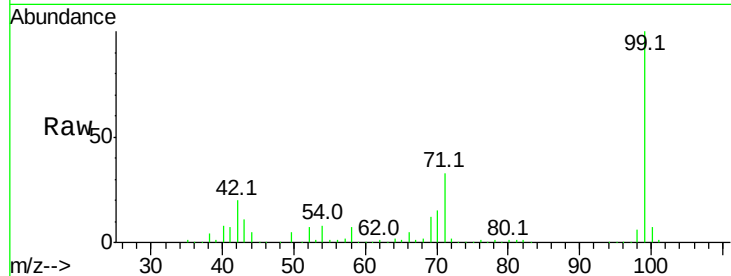
71 33.1 27.5 41.3

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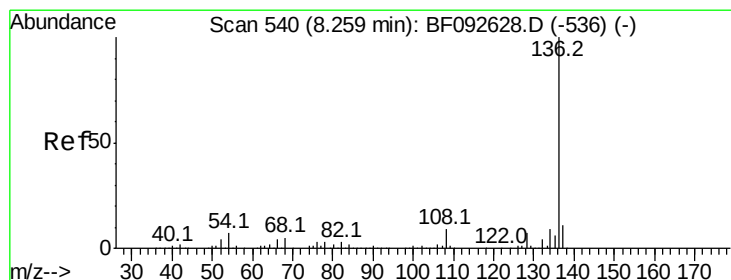
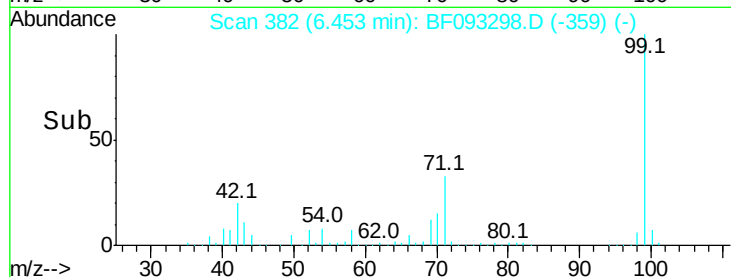
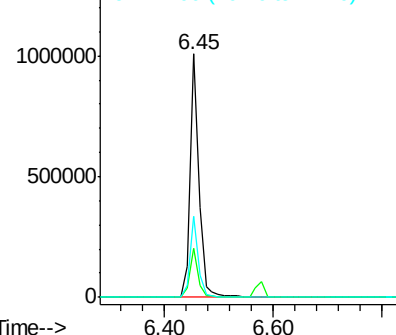
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF093298.D

Acq: 1 Mar 2017 19:19

Tgt Ion:136 Resp: 570807

Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 11.0 4.5 6.7#

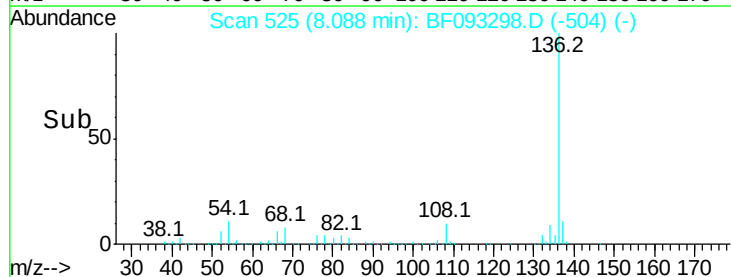
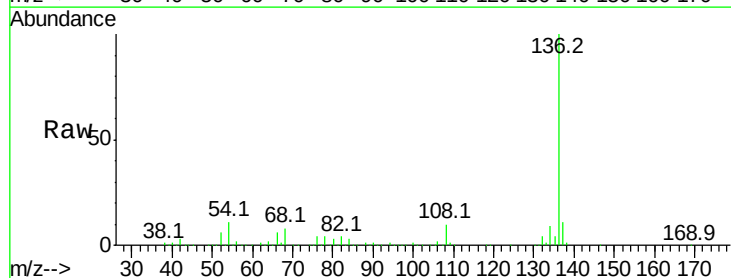
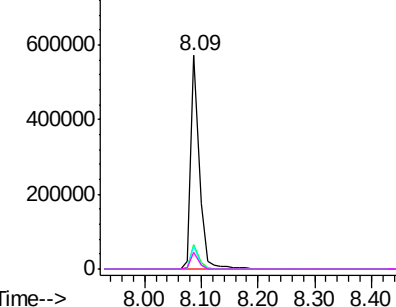
68 8.0 3.6 5.4#

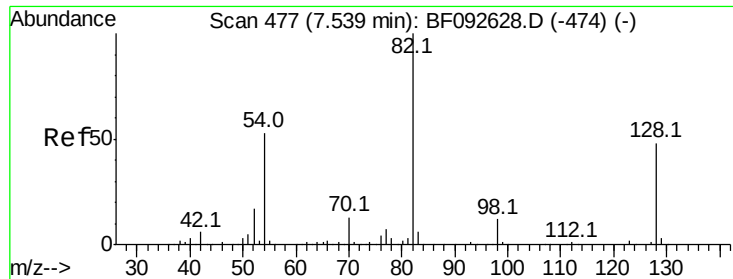
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





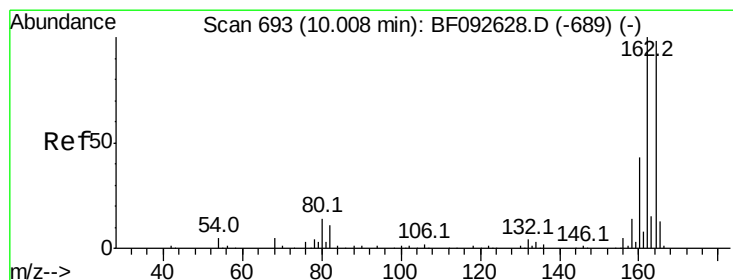
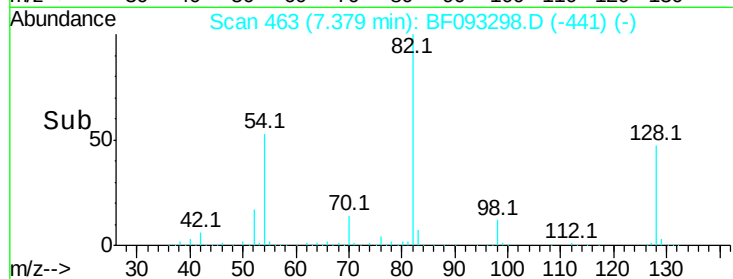
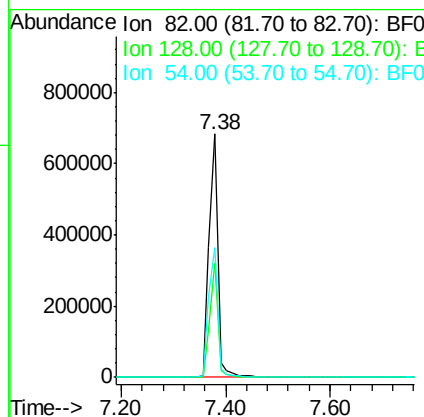
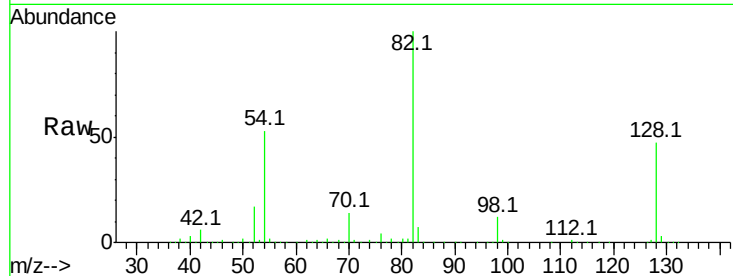
#23
Nitrobenzene-d5
Concen: 77.38 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Instrument :
BNA_F
ClientSampleId :
HY-SB421B

Tot Ion	82	Resp	793140
Ion Ratio	100	Lower	Upper
128	47.1	34.6	52.0
54	53.2	39.5	59.3

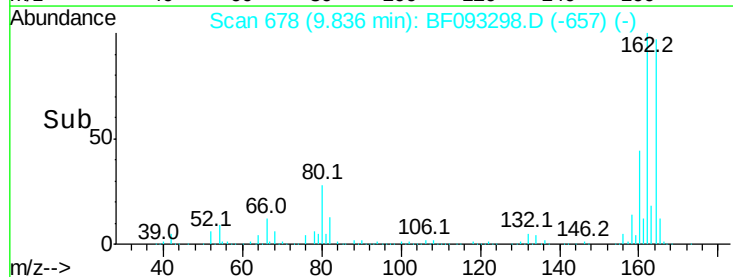
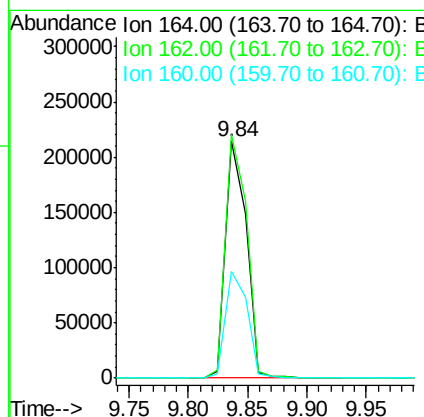
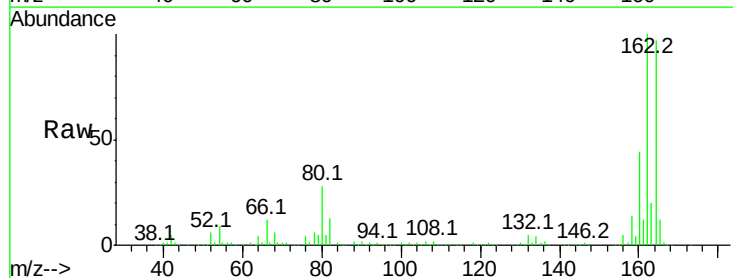
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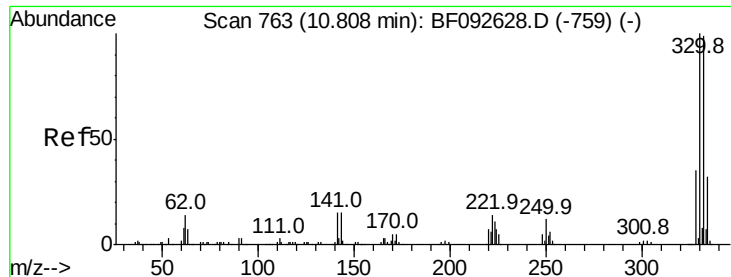
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.06 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Tgt Ion	164	Resp	259722
Ion Ratio	100	Lower	Upper
162	102.7	80.2	120.2
160	45.0	36.9	55.3





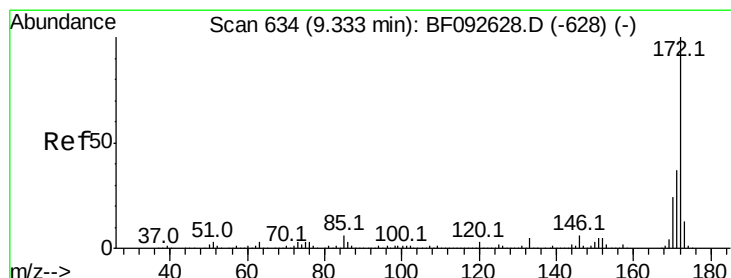
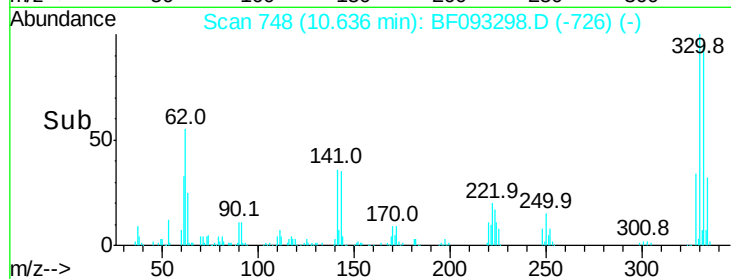
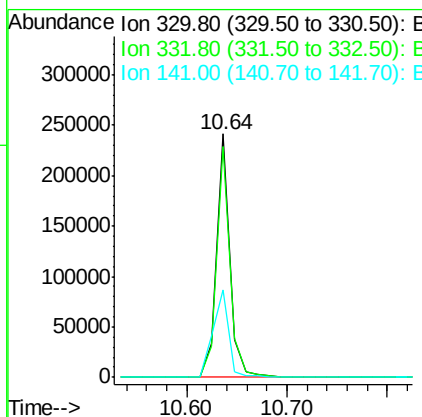
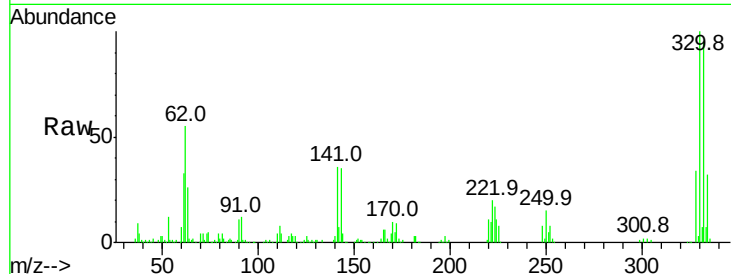
#41
 2,4,6-Tribromophenol
 Concen: 118.80 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093298.D
 Acq: 1 Mar 2017 19:19

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	223155		
332	95.6	77.4	116.2	
141	43.1	34.1	51.1	

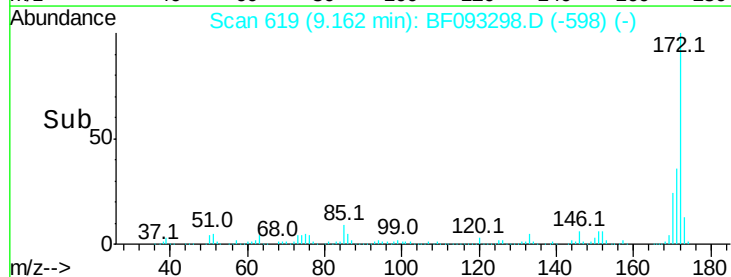
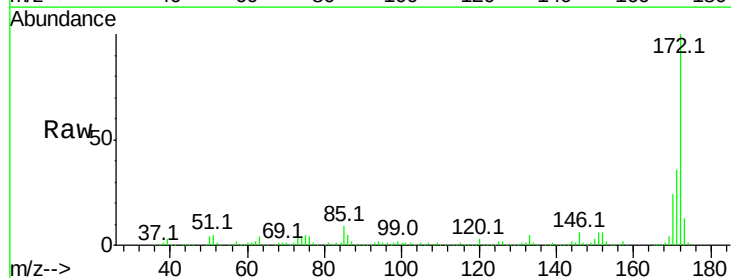
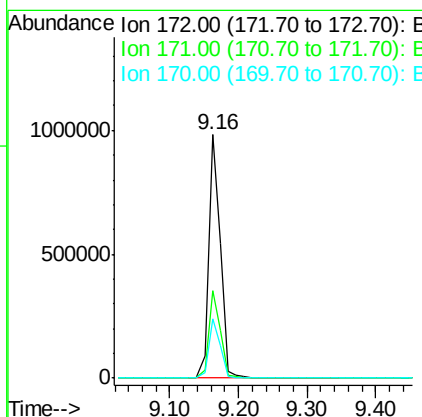
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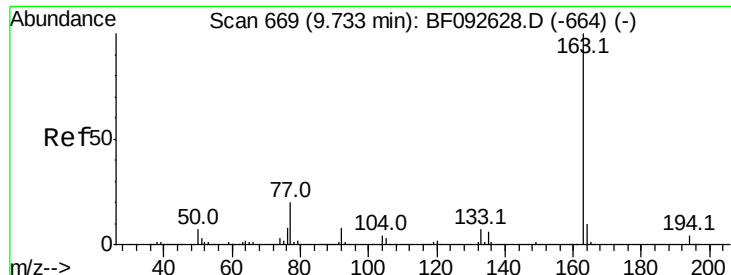
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#44
 2-Fluorobiphenyl
 Concen: 80.51 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.06 min
 Lab File: BF093298.D
 Acq: 1 Mar 2017 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1154132		
171	36.0	29.4	44.0	
170	24.3	20.2	30.4	





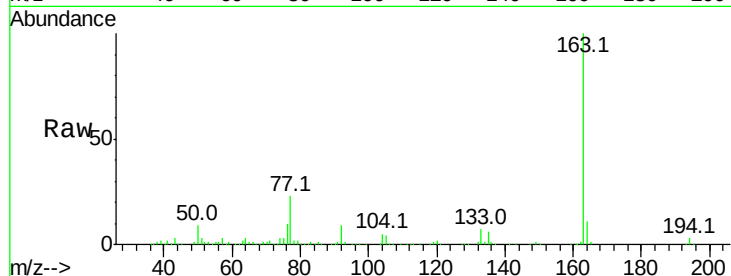
#49
Dimethylphthalate
Concen: 18.35 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Instrument :
BNA_F
ClientSampleId :
HY-SB421B

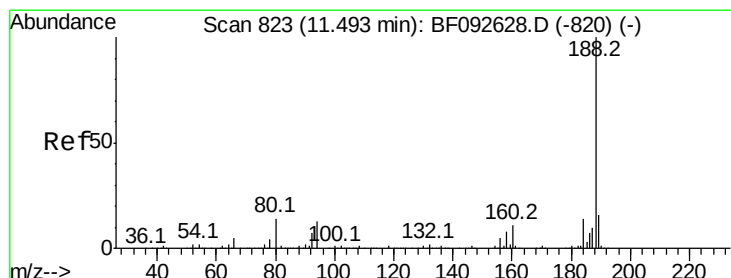
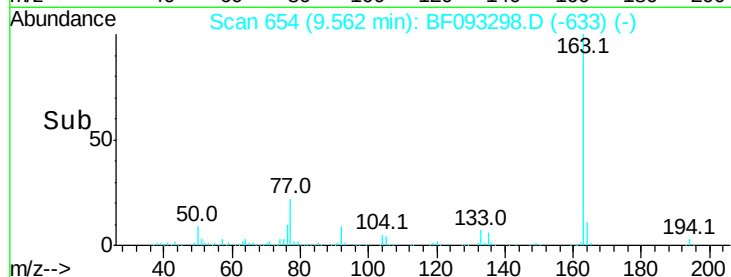
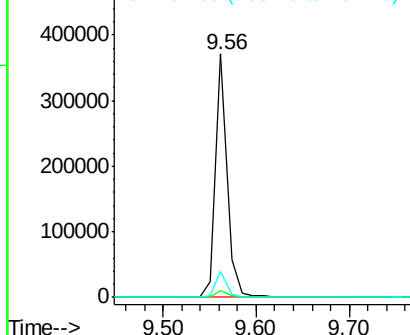
Tot Ion	Ratio	Resp	Lower	Upper
163	100	321089		
194	3.0		3.0	4.4
164	10.6		8.0	12.0

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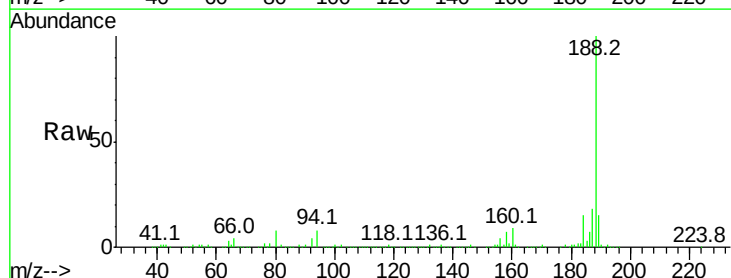


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

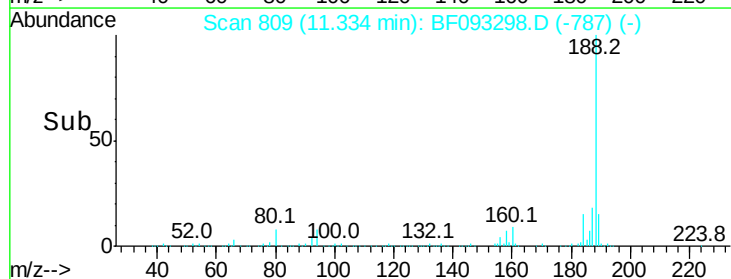
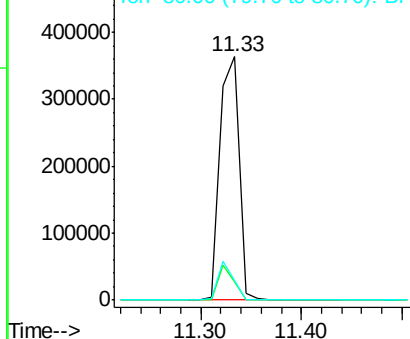


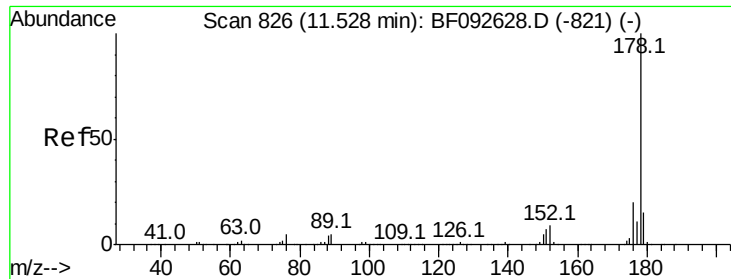
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	483463		
94	7.8		10.0	15.0#
80	8.2		11.2	16.8#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





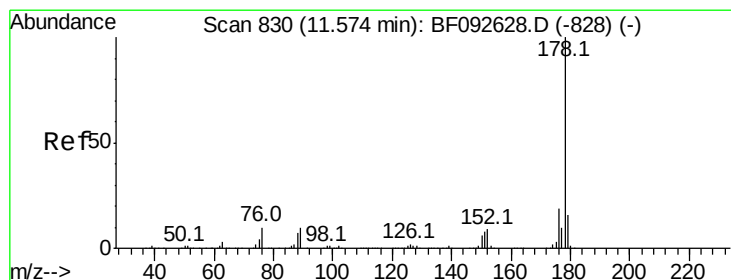
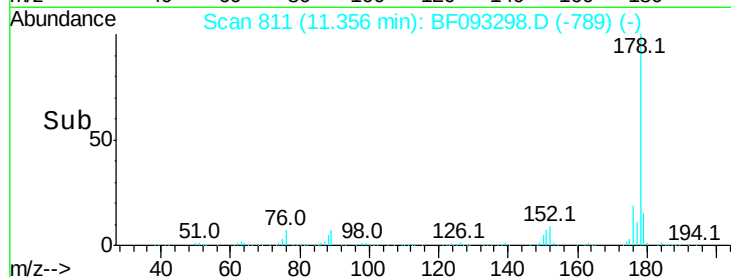
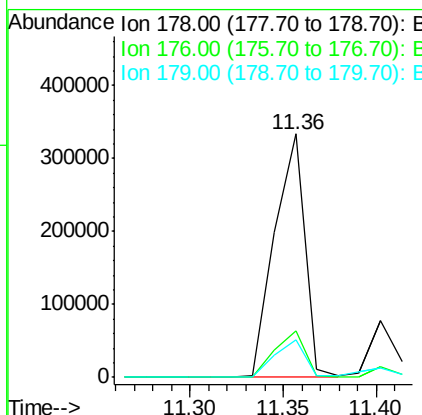
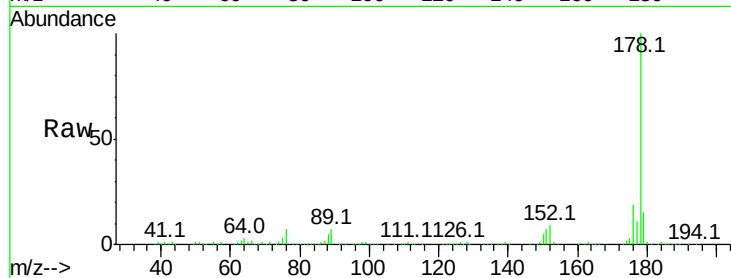
#70
Phenanthrene
Concen: 13.61 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Instrument :
BNA_F
ClientSampleId :
HY-SB421B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.6	25.0
179	15.4	12.8	19.2

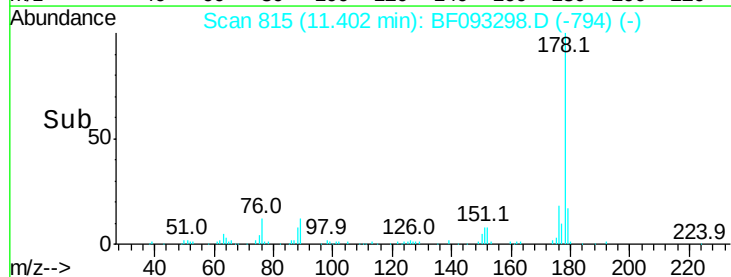
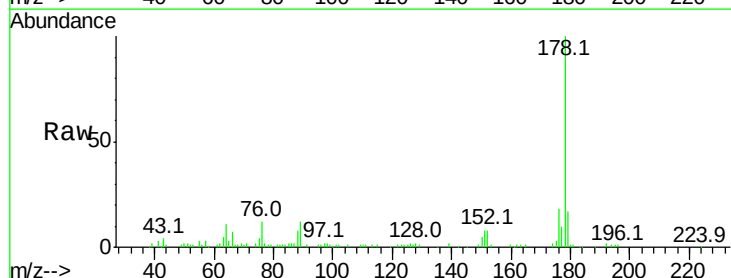
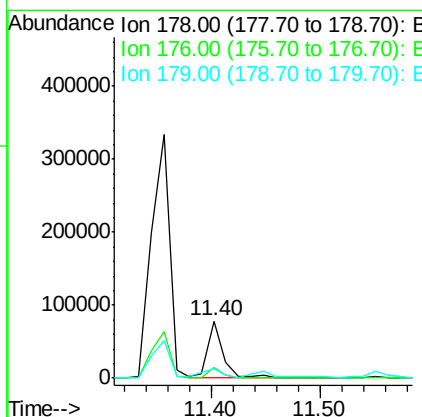
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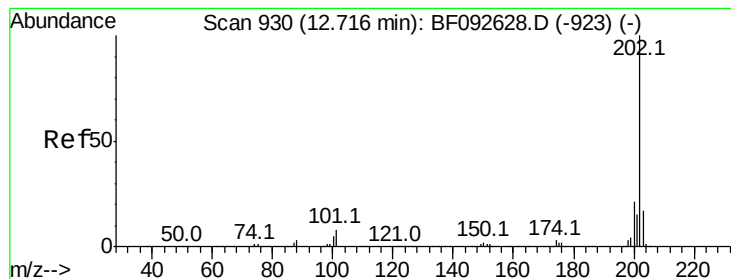
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#71
Anthracene
Concen: 2.82 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.06 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	16.7	13.2	19.8





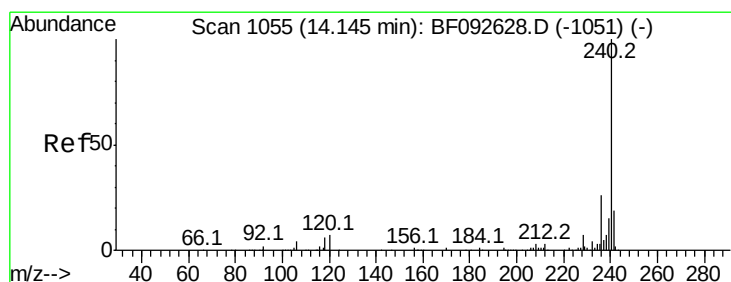
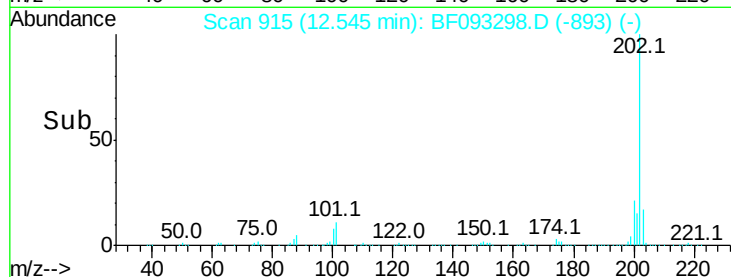
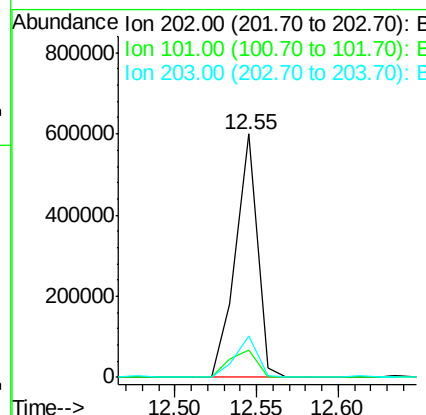
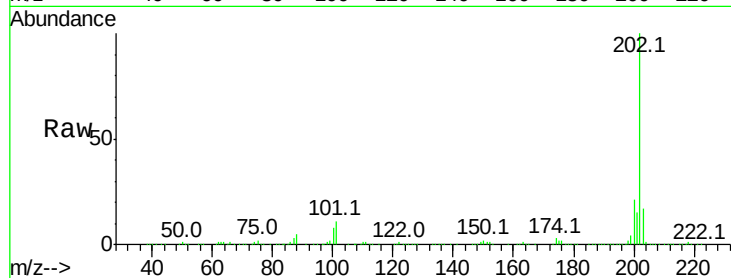
#74
Fluoranthene
 Concen: 19.39 ng
 RT: 12.55 min Scan# 915
 Delta R.T. -0.05 min
 Lab File: BF093298.D
 Acq: 1 Mar 2017 19:19

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	34.6
203	17.1	0.0	38.7

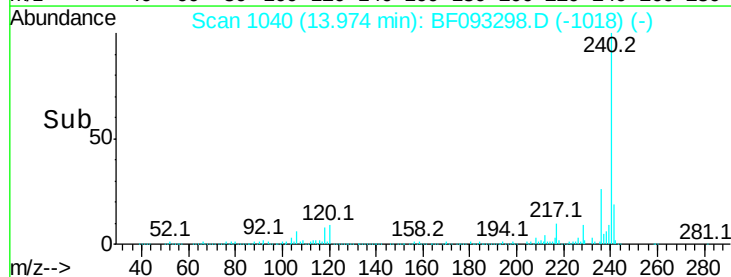
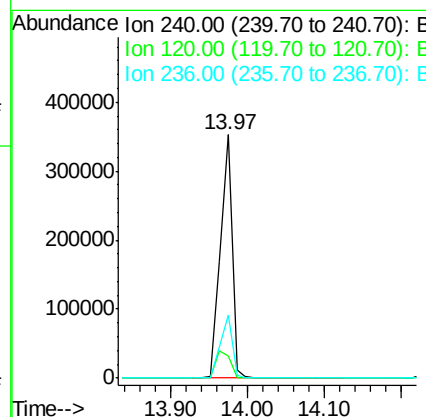
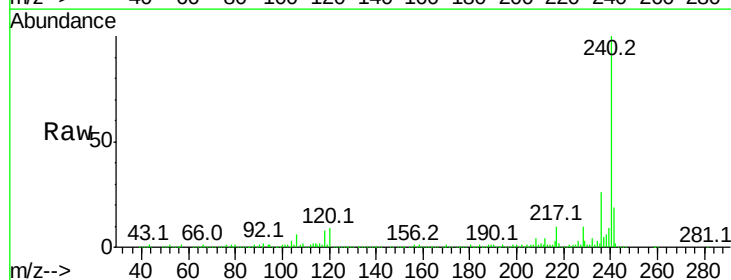
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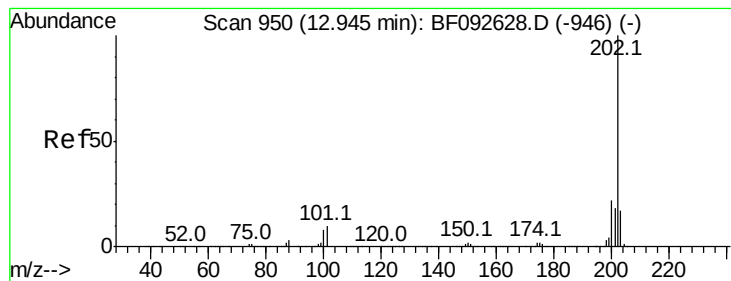
mohammad
 3/2/2017 1:42:38 PM



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.05 min
 Lab File: BF093298.D
 Acq: 1 Mar 2017 19:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.3	12.9	19.3#
236	26.2	20.9	31.3





#77

Pvrene

Concen: 18.49 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093298.D

Acq: 1 Mar 2017 19:19

Instrument :

BNA_F

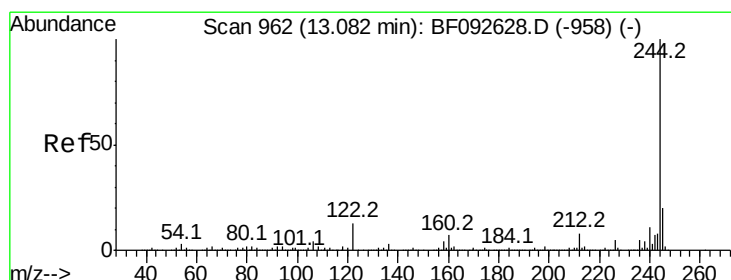
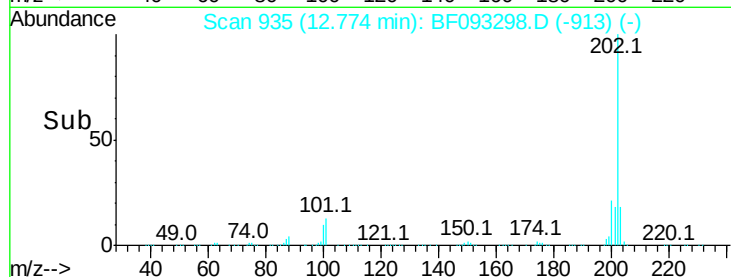
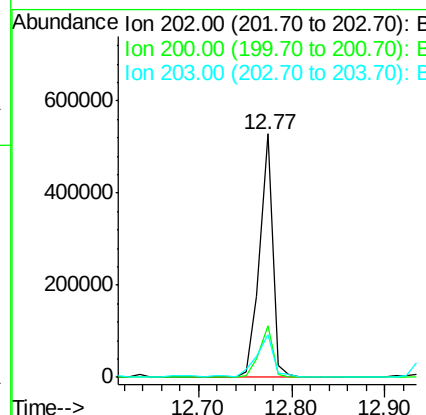
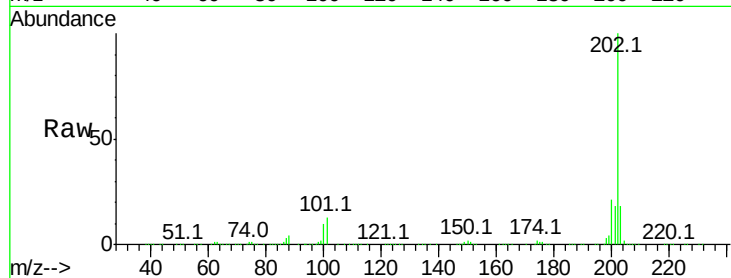
ClientSampleId :

HY-SB421B

Tot Ion:	202	Resp:	516833
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.7	26.5
203	17.5	14.7	22.1

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3/2/2017 1:42:38 PM



#78

Terphenyl-d14

Concen: 63.16 ng

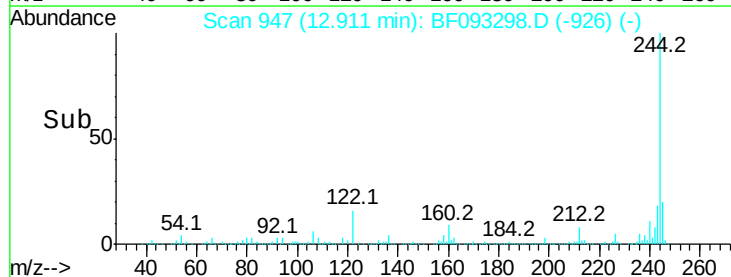
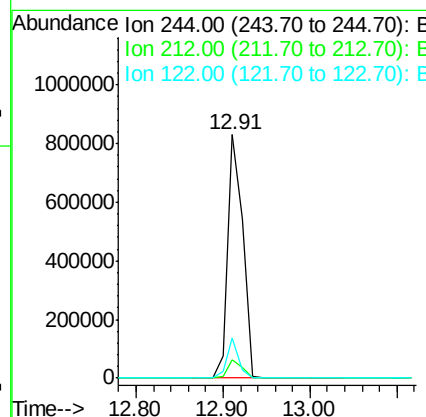
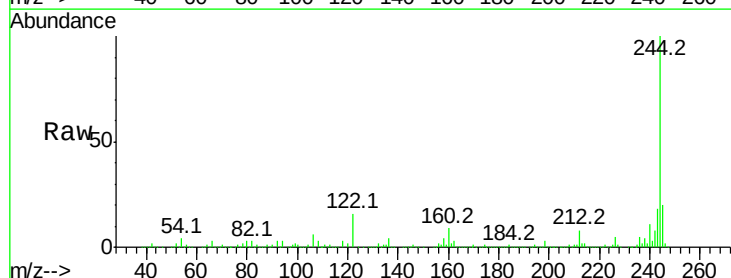
RT: 12.91 min Scan# 947

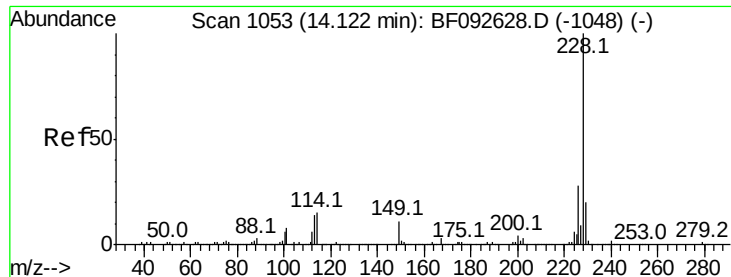
Delta R.T. -0.06 min

Lab File: BF093298.D

Acq: 1 Mar 2017 19:19

Tgt Ion:	244	Resp:	1004009
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	16.4	11.4	17.2





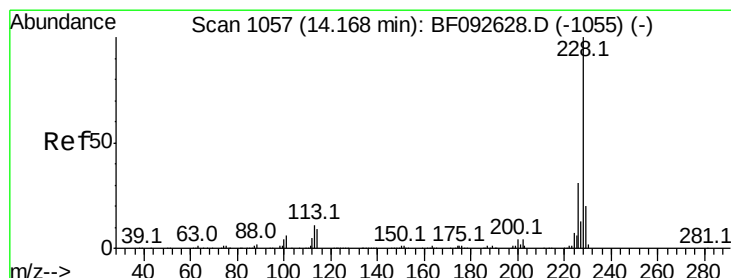
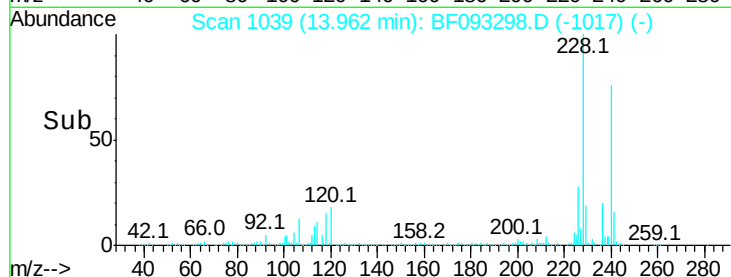
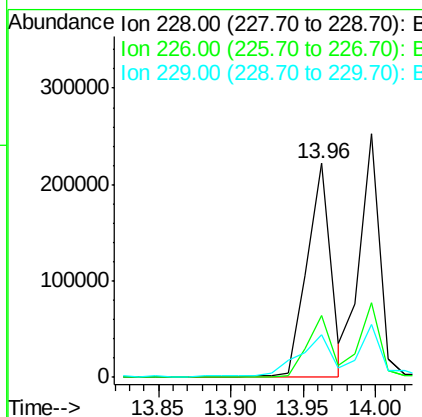
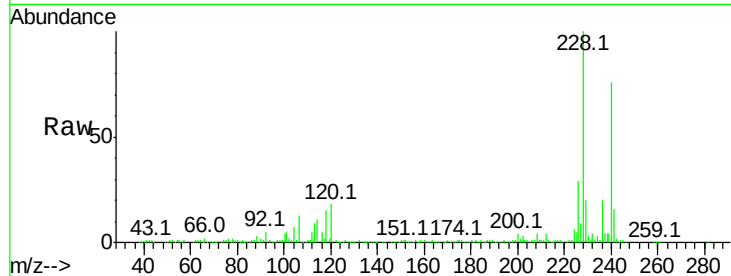
#80
Benzo(a)anthracene
Concen: 11.07 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Instrument :
BNA_F
ClientSampleId :
HY-SB421B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.4	33.6
229	19.9	16.2	24.4

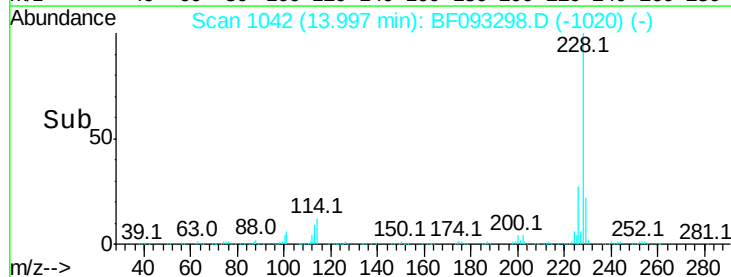
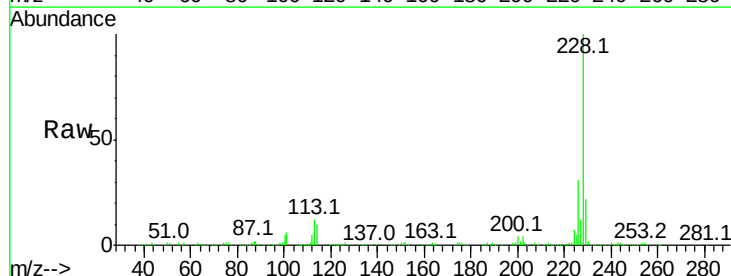
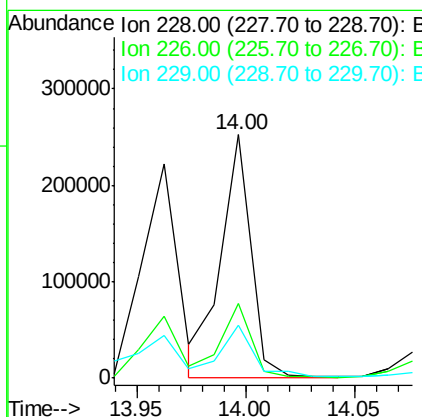
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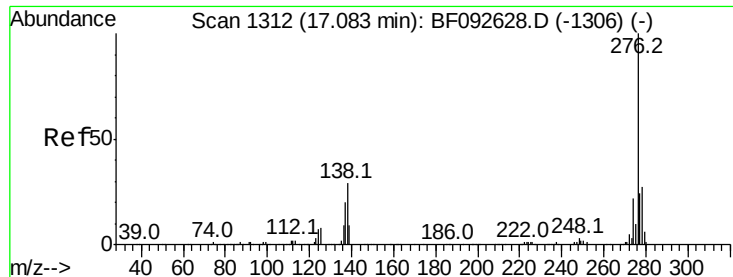
mohammad
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#82
Chrysene
Concen: 11.20 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.0
229	21.7	16.2	24.2





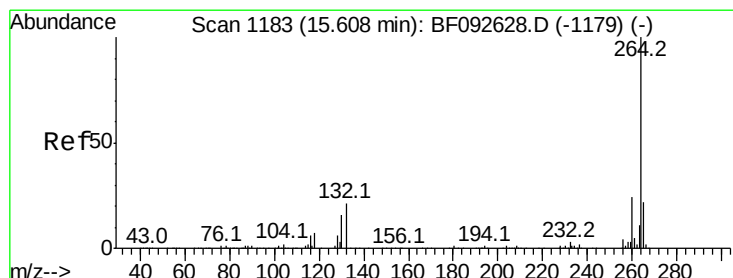
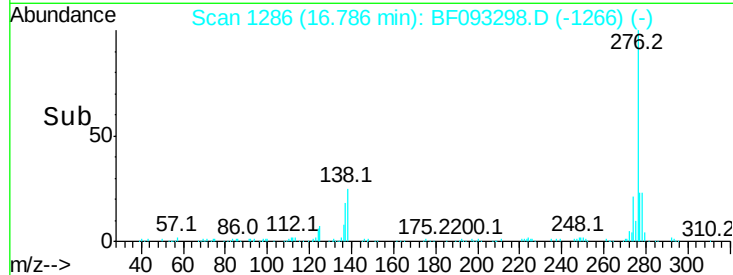
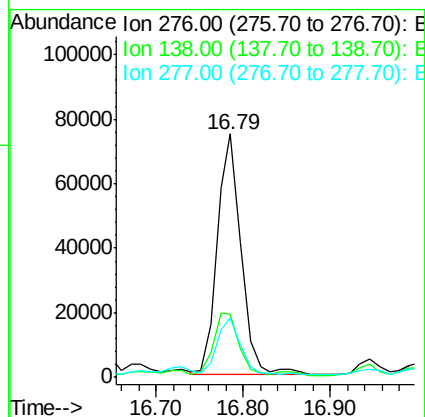
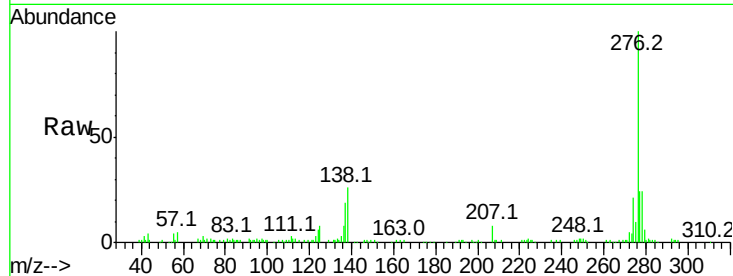
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.70 ng
RT: 16.79 min Scan# 1286
Delta R.T. -0.07 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Instrument :
BNA_F
ClientSampled :
HY-SB421B

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.6
277	22.9	20.2	30.4

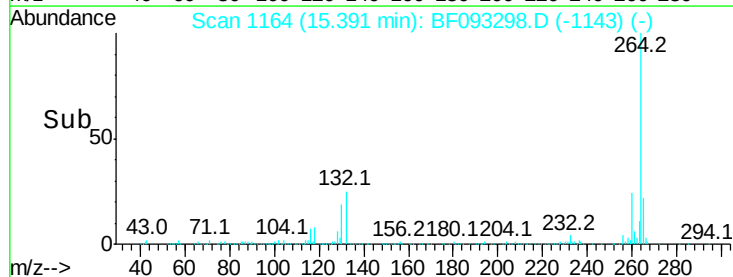
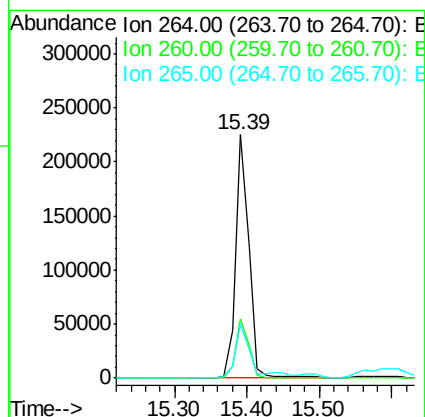
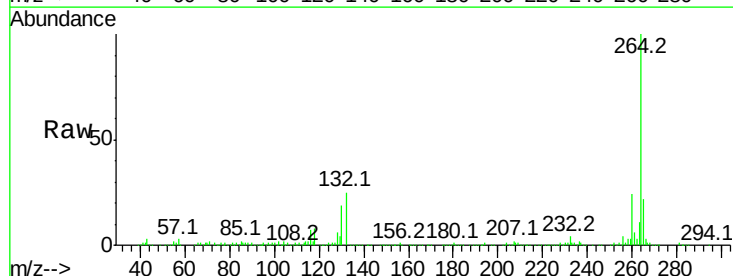
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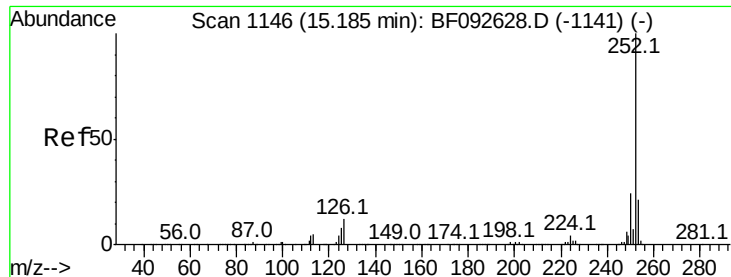
mohammad
3/2/2017 1:42:38 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.4	17.4	26.0





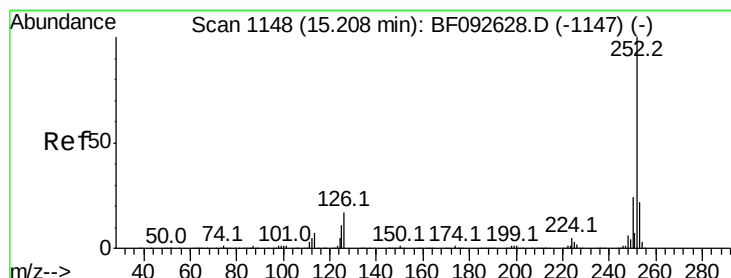
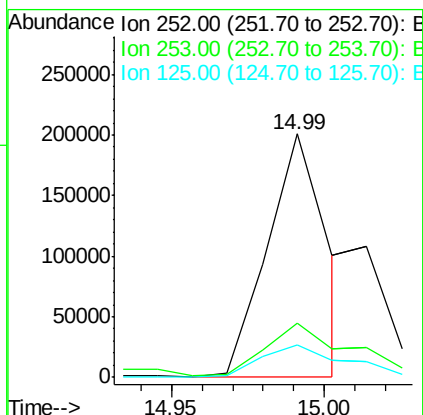
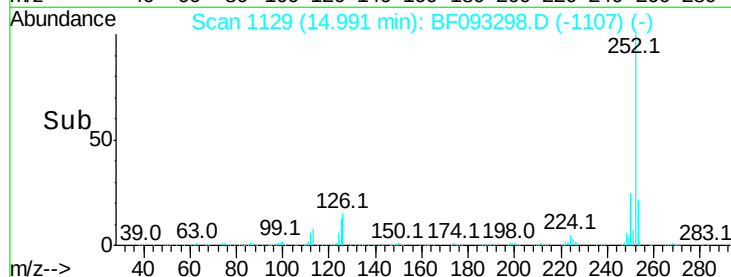
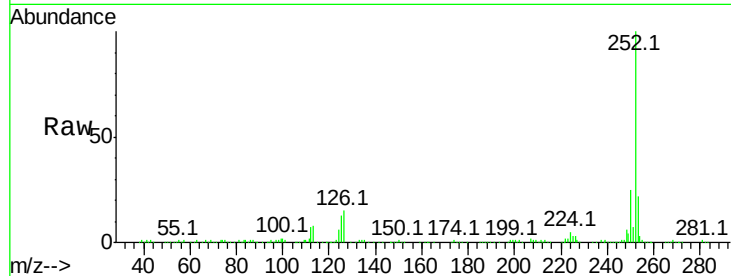
#87
Benzo(b)fluoranthene
Concen: 14.63 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Instrument :
BNA_F
ClientSampleId :
HY-SB421B

Tot Ion:	252	Resp:	273655
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.2	27.4
125	13.3	9.8	14.6

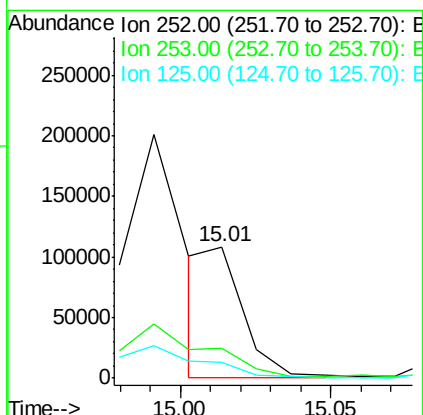
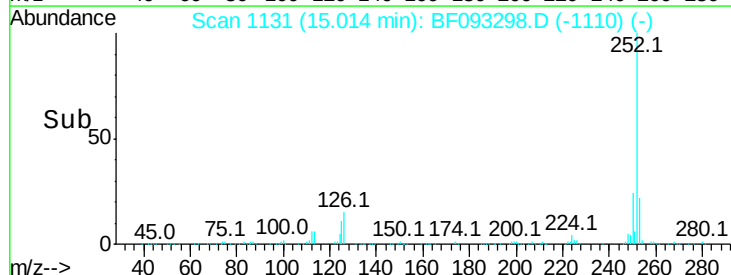
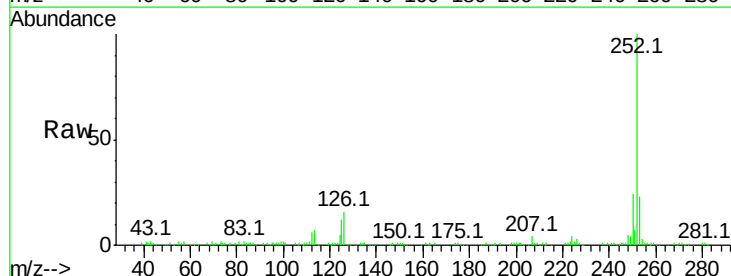
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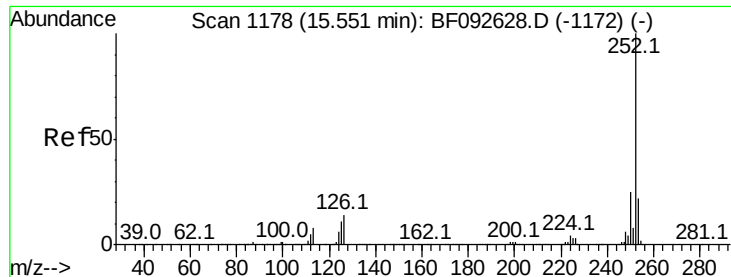
mohammad
3/2/2017 1:42:38 PM



#88
Benzo(k)fluoranthene
Concen: 5.81 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Tgt Ion:	252	Resp:	93811
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.5	27.7
125	11.7	8.9	13.3





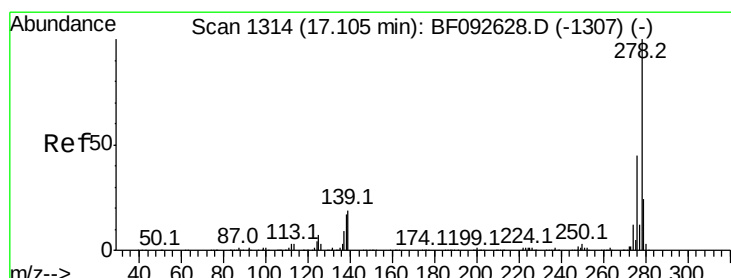
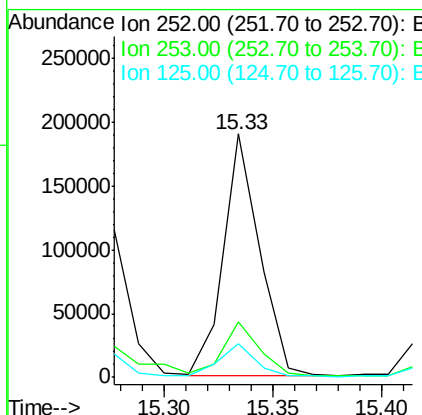
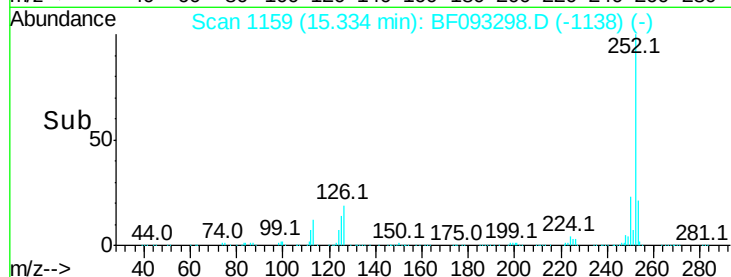
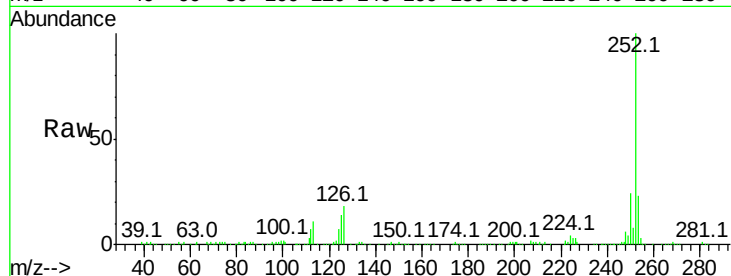
#89
Benzo(a)pyrene
Concen: 13.63 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Instrument :
BNA_F
ClientSampled :
HY-SB421B

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	18.2	27.2
125	13.8	10.0	15.0

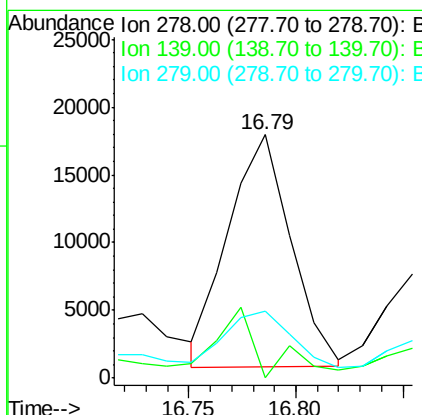
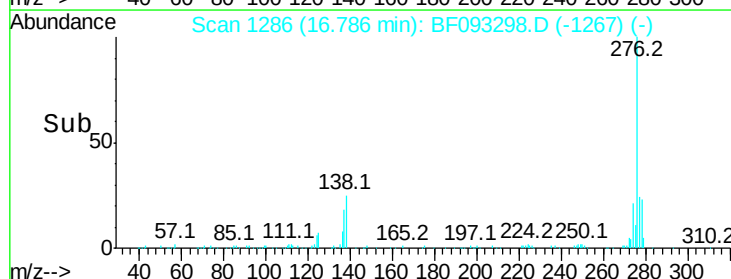
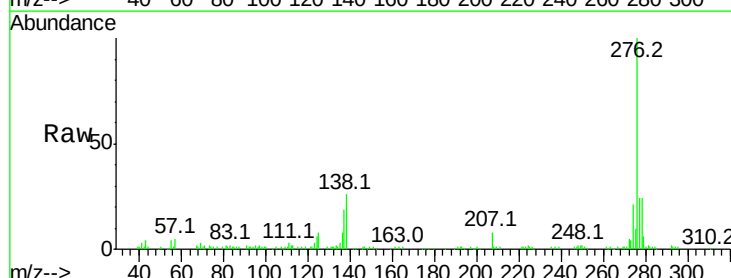
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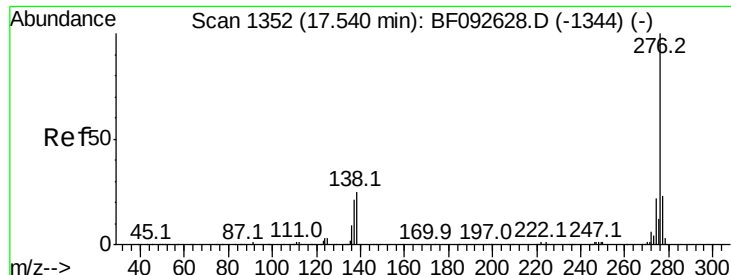
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.68 ng m
RT: 16.79 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF093298.D
Acq: 1 Mar 2017 19:19

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	27.3	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 10.35 ng
 RT: 17.21 min Scan# 1323
 Delta R.T. -0.08 min
 Lab File: BF093298.D
 Acq: 1 Mar 2017 19:19

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421B

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.2	28.8
138	25.9	16.0	24.0

Manual Integrations
 APPROVED

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 3/2/2017 1:42:38 PM

