

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093361.D
 Acq On : 3 Mar 2017 14:17
 Operator : SJ/MA
 Sample : I2003-05 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436ADL

Manual Integrations
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Quant Time: Mar 03 15:10:52 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	6.80	152	155075	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	606279	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	292413	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	422312	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	309845	20.00	ng	-0.05
86) Perylene-d12	15.40	264	295629	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	222605	24.63	ng	-0.06
7) Phenol-d6	6.44	99	339058	29.15	ng	-0.05
23) Nitrobenzene-d5	7.37	82	180010	16.53	ng	-0.06
41) 2,4,6-Tribromophenol	10.65	330	44844	21.20	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	308205	19.10	ng	-0.05
78) Terphenyl-d14	12.92	244	168437	12.77	ng	-0.05
Target Compounds						Qvalue
48) Acenaphthylene	9.71	152	68674	2.40	ng	98
49) Dimethylphthalate	9.57	163	95449	4.85	ng	99
70) Phenanthrene	11.36	178	395758	16.36	ng	98
71) Anthracene	11.41	178	110380	4.54	ng	97
74) Fluoranthene	12.54	202	270643	10.84	ng	97
77) Pyrene	12.77	202	581558	25.08	ng	100
80) Benzo(a)anthracene	13.96	228	251175	13.25	ng	97
82) Chrysene	14.00	228	200150	11.28	ng	98
85) Indeno(1,2,3-cd)pyrene	16.80	276	85656	6.23	ng	98
87) Benzo(b)fluoranthene	15.00	252	218960m	11.25	ng	
88) Benzo(k)fluoranthene	15.01	252	44587m	2.65	ng	
89) Benzo(a)pyrene	15.35	252	194108	11.53	ng	# 96
91) Benzo(a,h,i)perylene	17.22	276	116202	8.46	ng	# 86

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

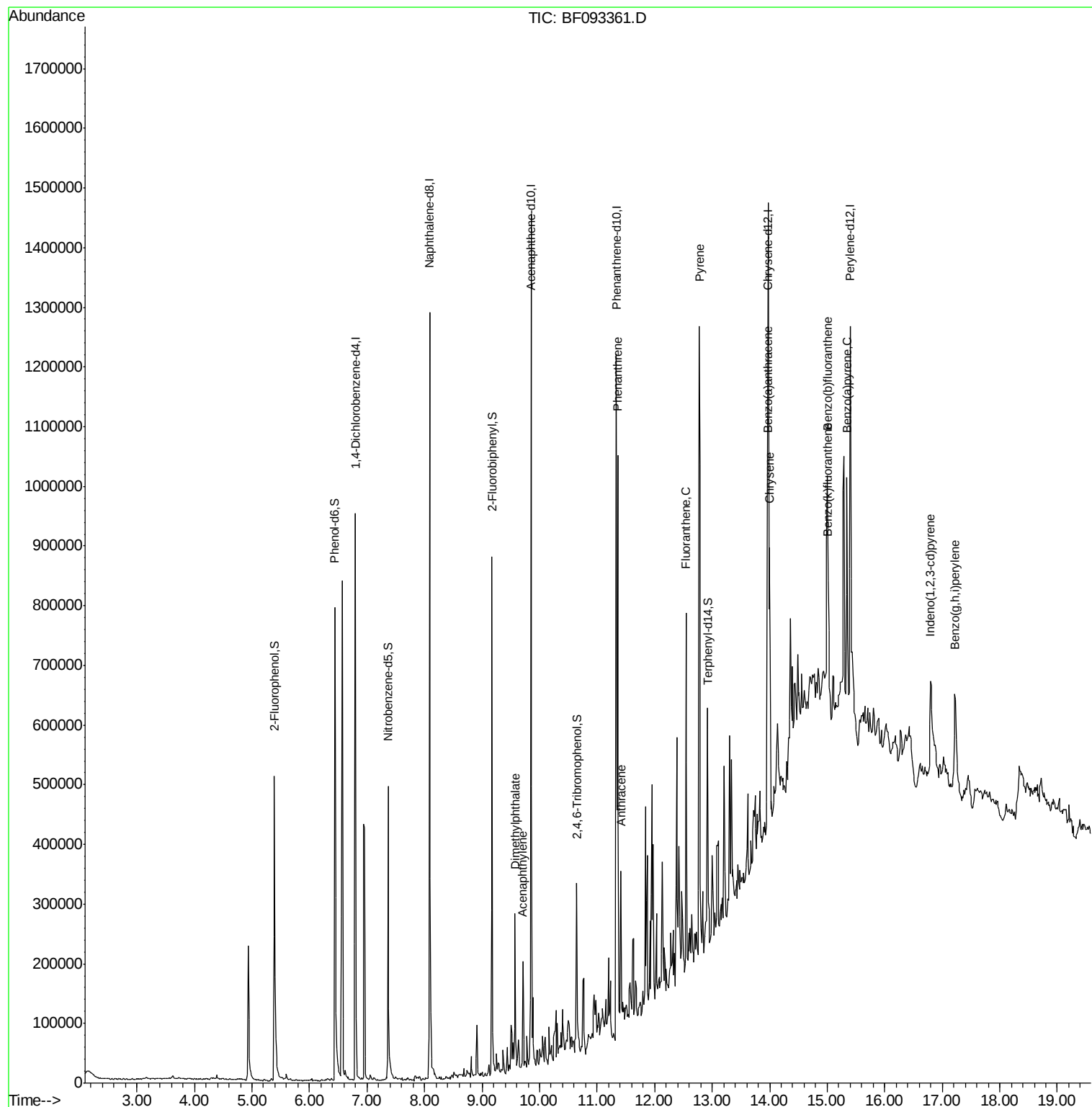
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
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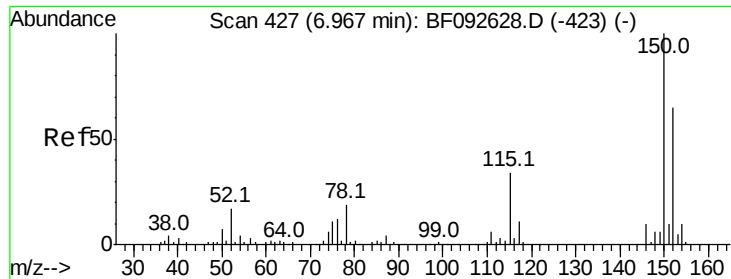
Instrument :
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ClientSampleId :
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Quant Time: Mar 03 15:10:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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#1

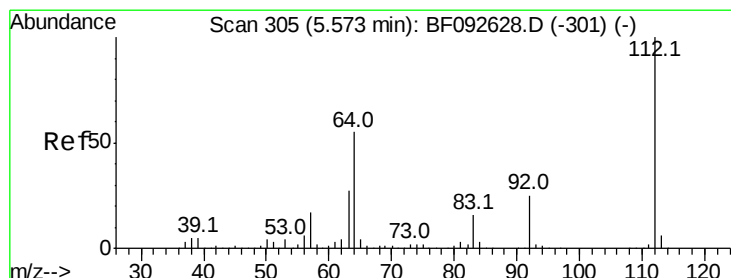
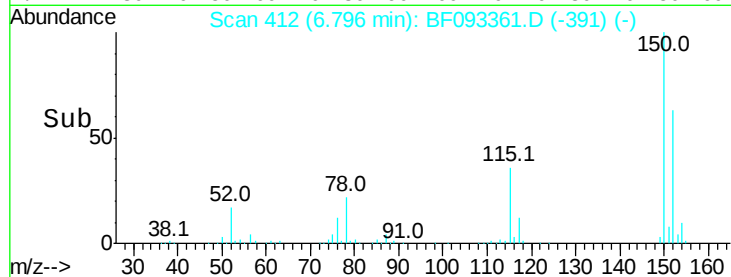
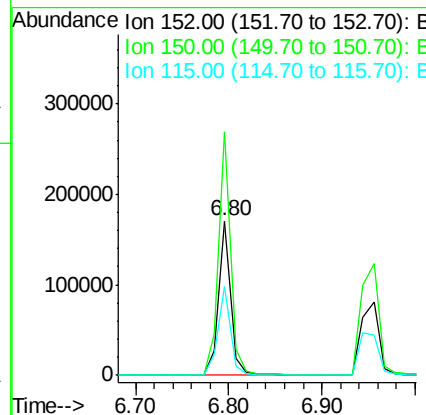
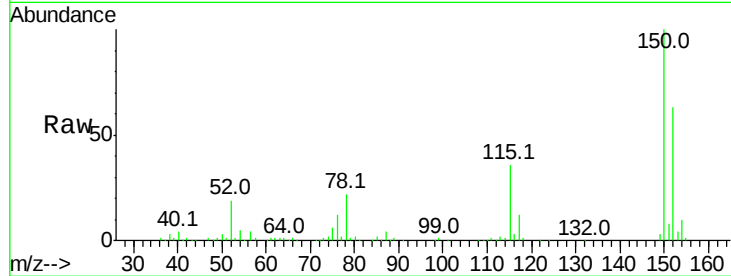
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.06 min
Lab File: BF093361.D
Acq: 3 Mar 2017 14:17

Instrument :
BNA_F
ClientSampleId :
HY-SB436ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.9	187.3
115	57.4	46.0	69.0

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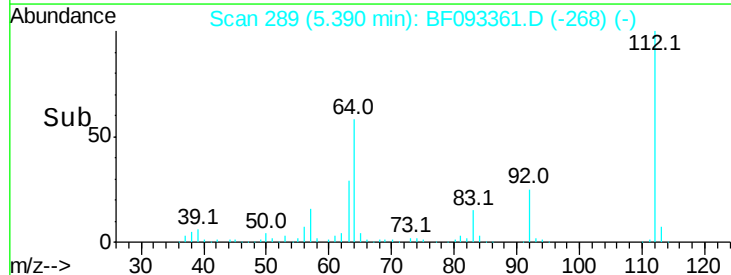
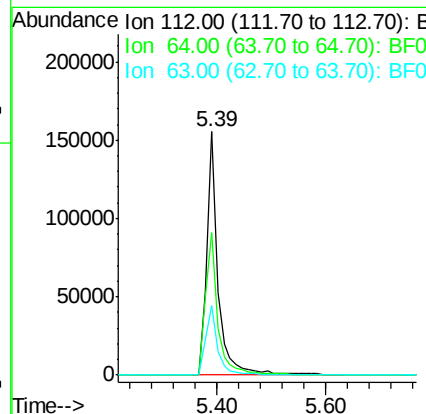
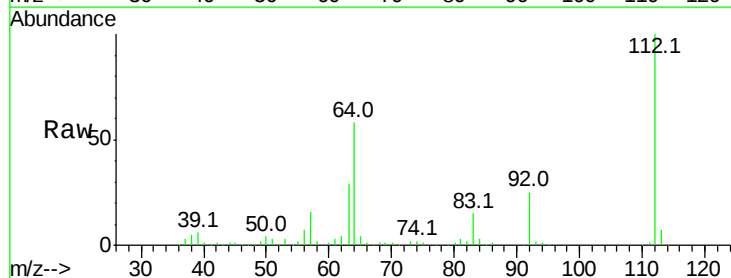
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#5

2-Fluorophenol
Concen: 24.63 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.06 min
Lab File: BF093361.D
Acq: 3 Mar 2017 14:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.1	69.1
63	28.7	23.8	35.6





#7

Phenol-d6

Concen: 29.15 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF093361.D

Acq: 3 Mar 2017 14:17

Instrument :

BNA_F

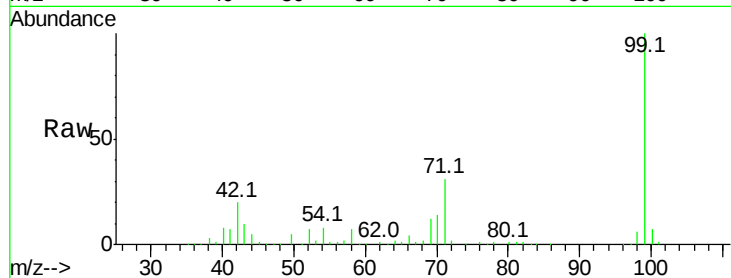
ClientSampleId :

HY-SB436ADL

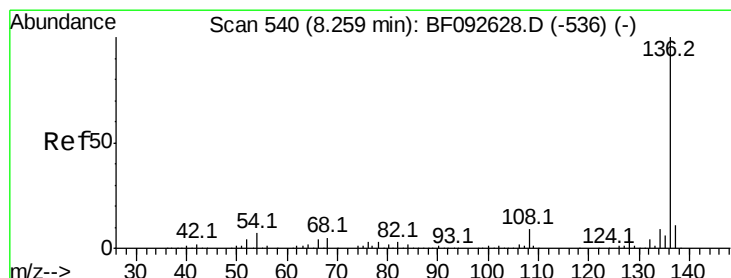
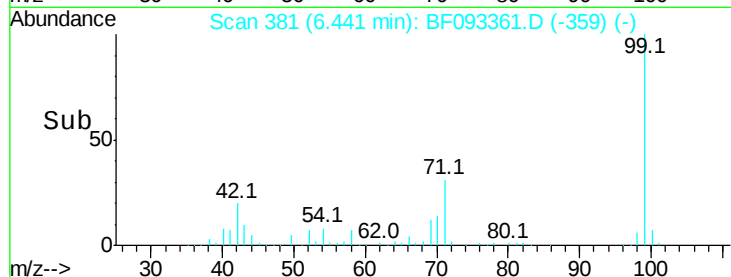
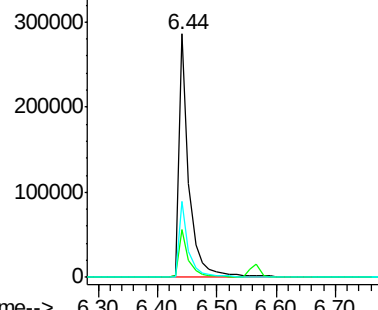
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		339058		
42	19.8	15.6	23.4		
71	31.2	27.5	41.3		

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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

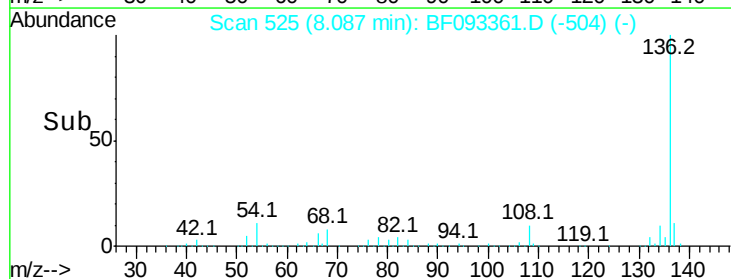
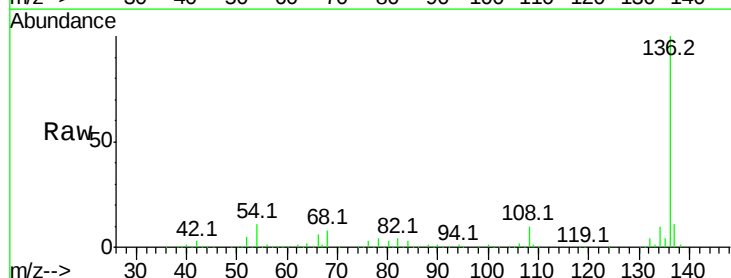
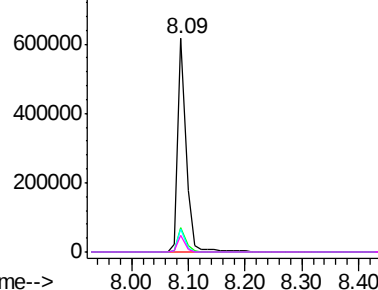
Delta R.T. -0.06 min

Lab File: BF093361.D

Acq: 3 Mar 2017 14:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		606279		
137	11.4	8.4	12.6		
54	10.8	4.5	6.7#		
68	7.8	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





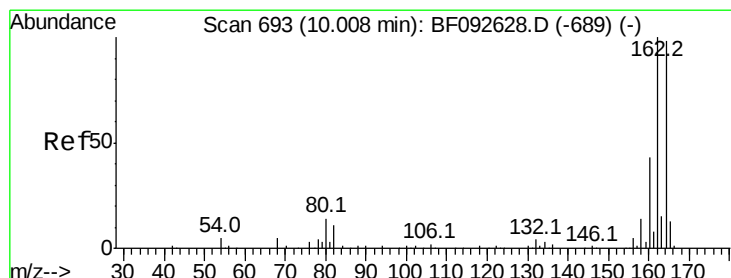
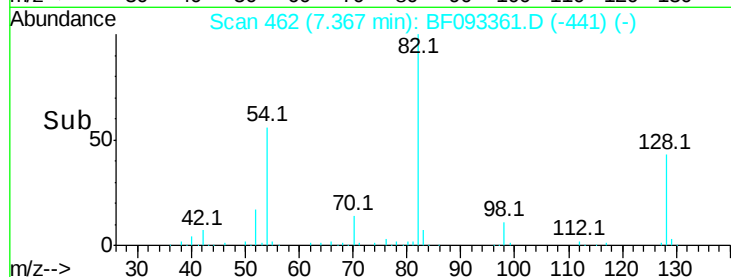
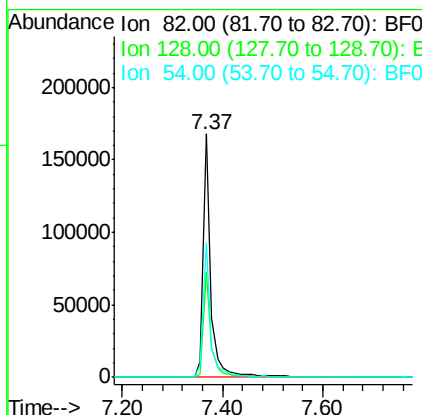
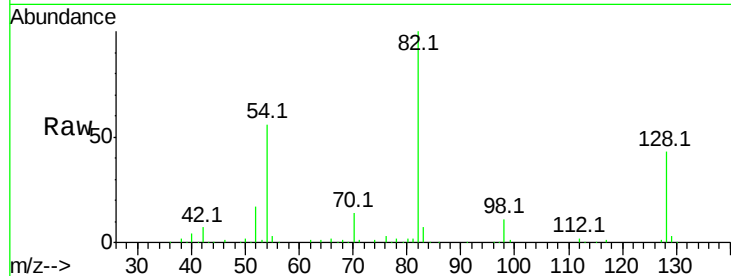
#23
 Nitrobenzene-d5
 Concen: 16.53 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.06 min
 Lab File: BF093361.D
 Acq: 3 Mar 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436ADL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	52.0
54	55.6	39.5	59.3

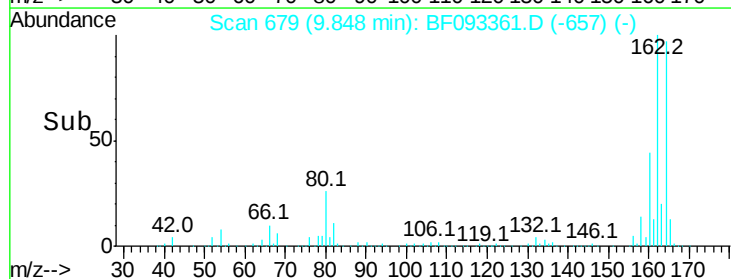
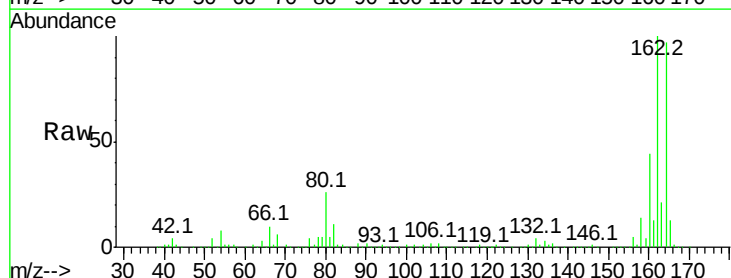
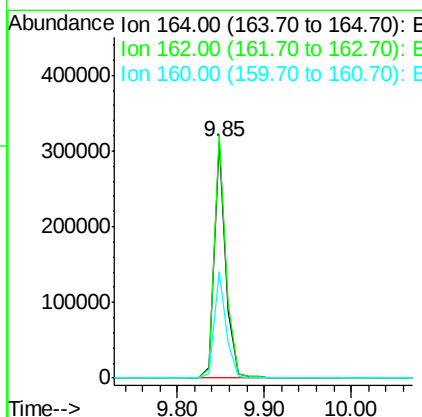
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093361.D
 Acq: 3 Mar 2017 14:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.2	120.2
160	44.9	36.9	55.3





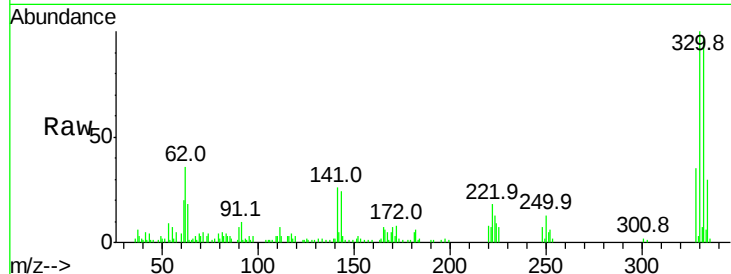
#41
 2,4,6-Tribromophenol
 Concen: 21.20 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093361.D
 Acq: 3 Mar 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436ADL

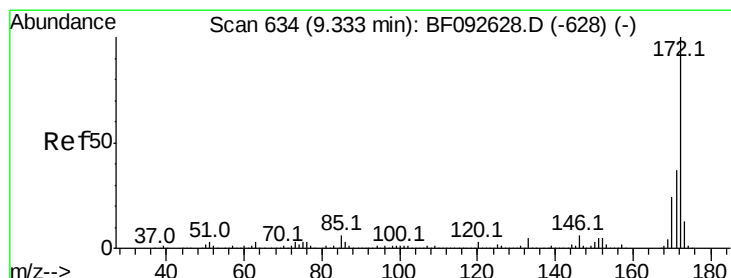
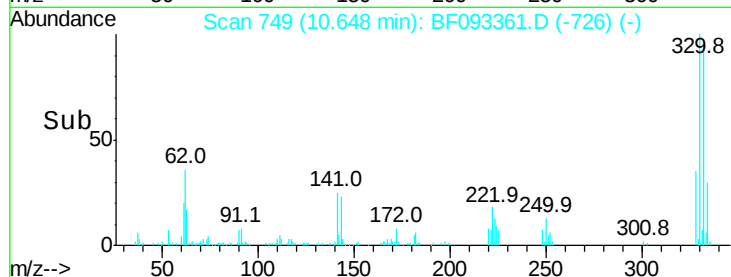
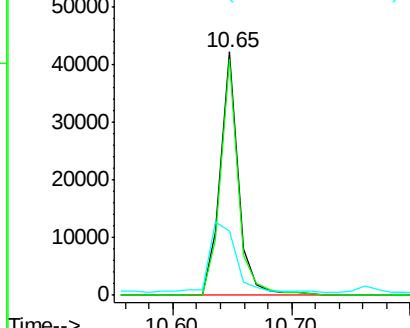
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.4	116.2
141	44.1	34.1	51.1

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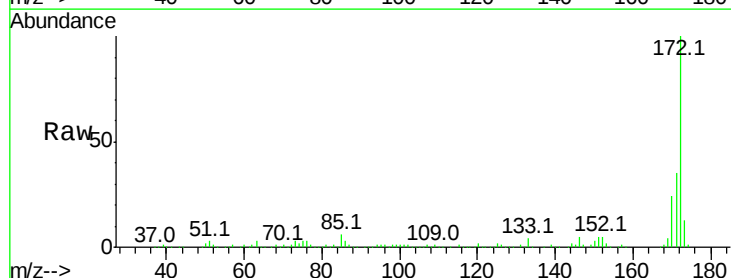


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

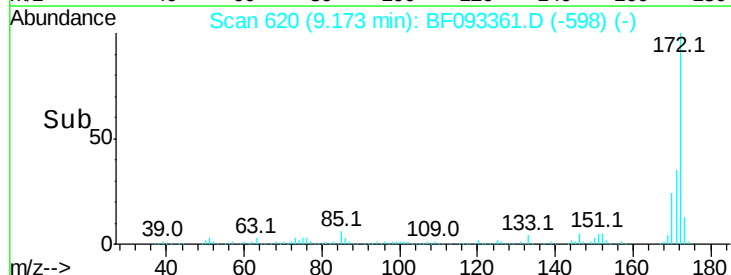
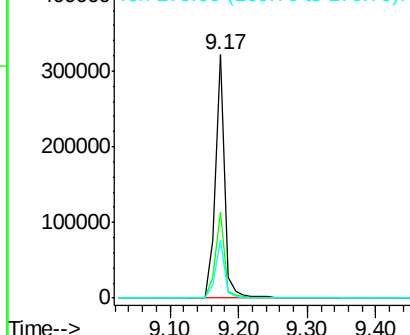


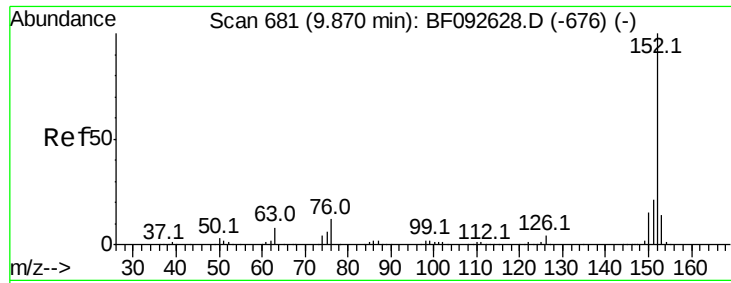
#44
 2-Fluorobiphenyl
 Concen: 19.10 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093361.D
 Acq: 3 Mar 2017 14:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.0
170	23.7	20.2	30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





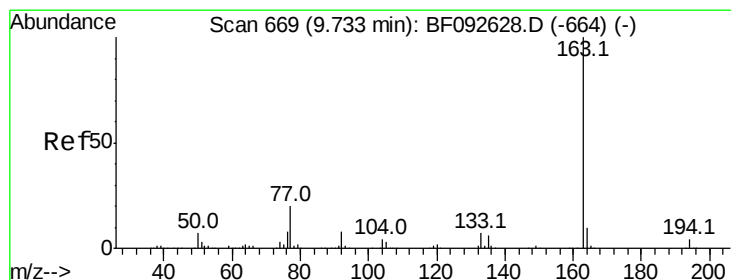
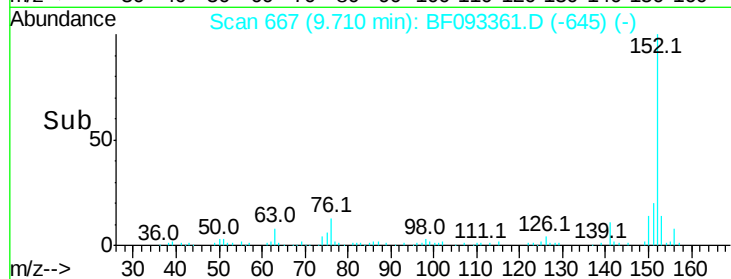
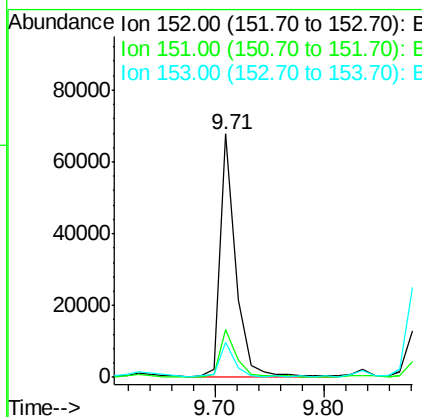
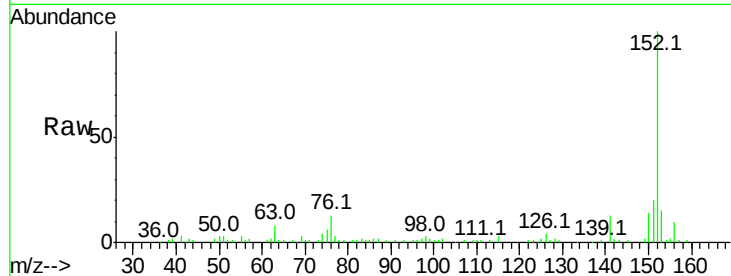
#48
Acenaphthylene
Concen: 2.40 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093361.D
Acq: 3 Mar 2017 14:17

Instrument :
BNA_F
ClientSampleId :
HY-SB436ADL

Tot Ion:	152	Resp:	68674
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.9	25.3
153	14.5	11.4	17.2

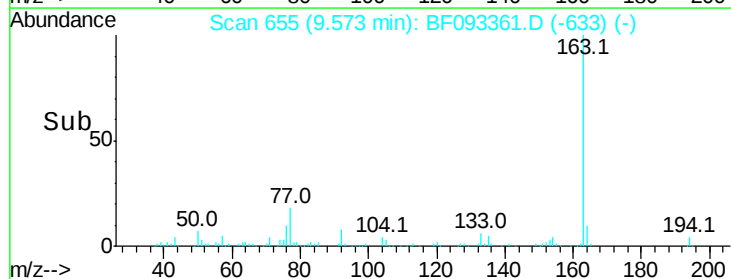
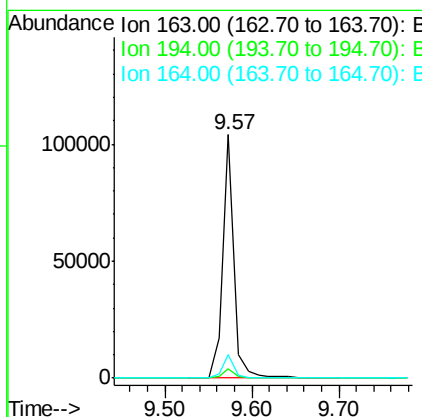
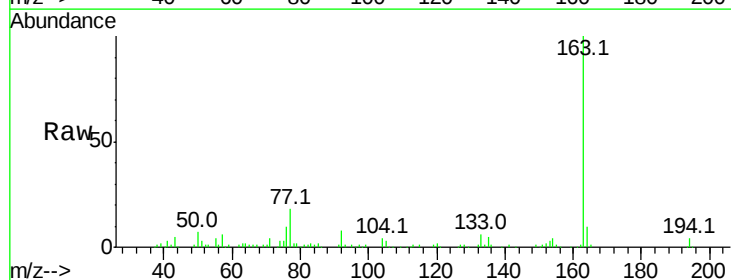
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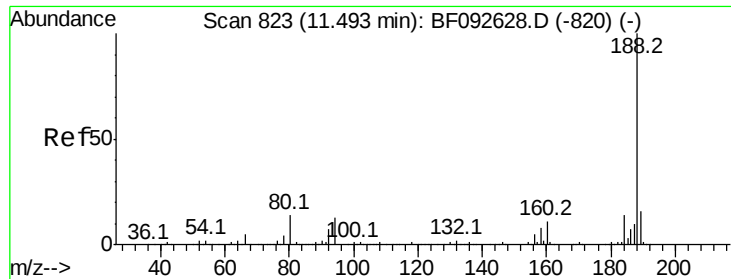
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#49
Dimethylphthalate
Concen: 4.85 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093361.D
Acq: 3 Mar 2017 14:17

Tgt Ion:	163	Resp:	95449
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.4
164	9.6	8.0	12.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF093361.D

Acq: 3 Mar 2017 14:17

Instrument :

BNA_F

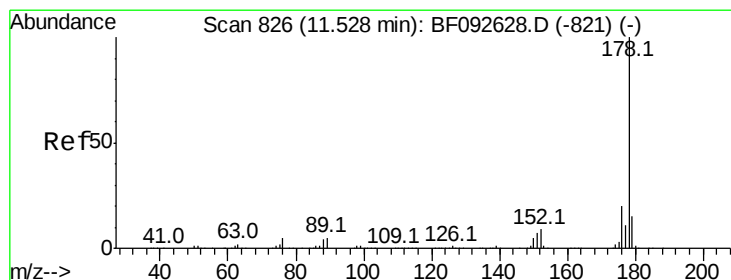
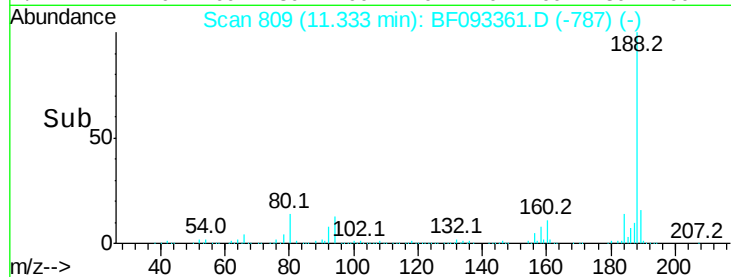
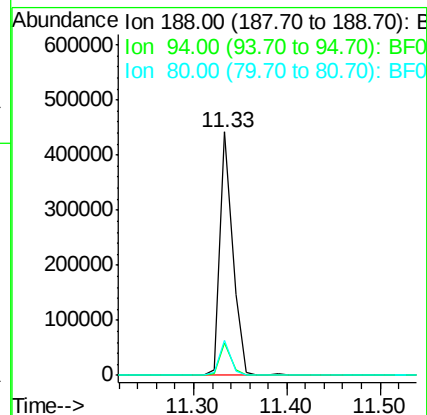
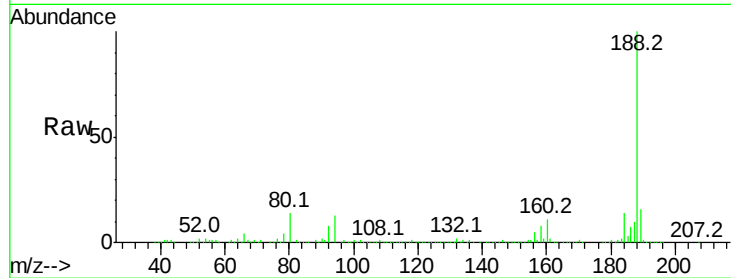
ClientSampleId :

HY-SB436ADL

Tot Ion:	188	Resp:	422312
Ion Ratio	Lower	Upper	
188	100		
94	13.5	10.0	15.0
80	14.5	11.2	16.8

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#70

Phenanthrene

Concen: 16.36 ng

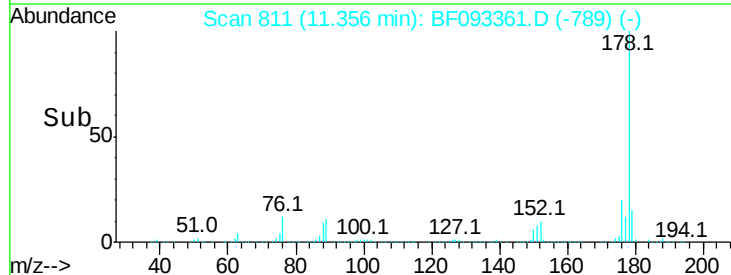
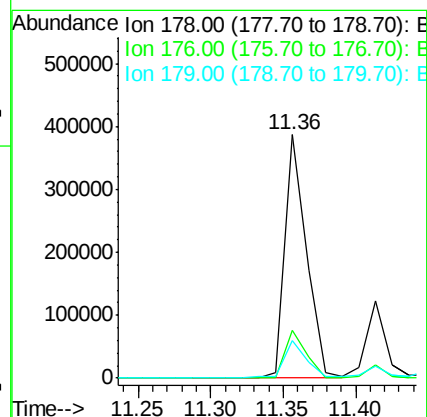
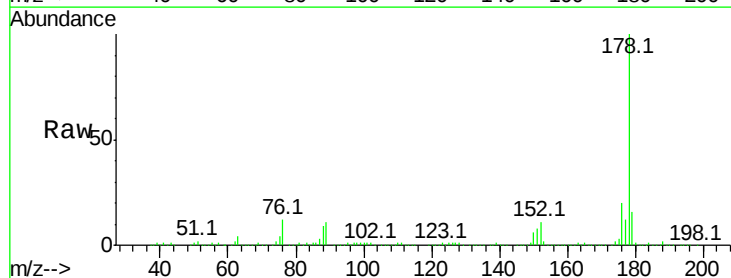
RT: 11.36 min Scan# 811

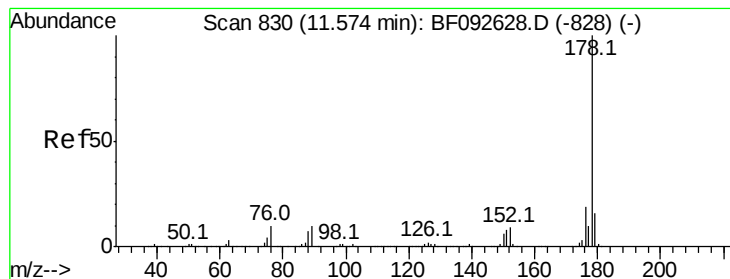
Delta R.T. -0.05 min

Lab File: BF093361.D

Acq: 3 Mar 2017 14:17

Tgt Ion:	178	Resp:	395758
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.6	25.0
179	15.6	12.8	19.2





#71

Anthracene

Concen: 4.54 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.05 min

Lab File: BF093361.D

Acq: 3 Mar 2017 14:17

Instrument :

BNA_F

ClientSampleId :

HY-SB436ADL

Tot Ion:178 Resp: 110380

Ion Ratio Lower Upper

178 100

176 17.9 15.9 23.9

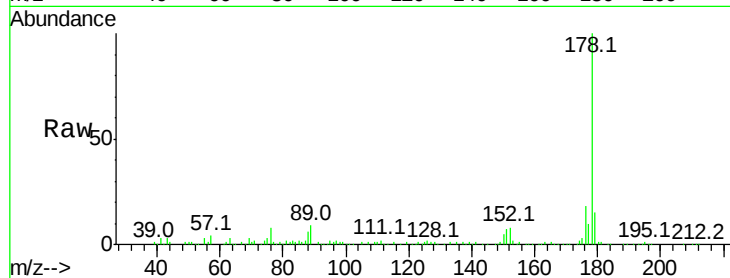
179 15.5 13.2 19.8

Manual Integrations

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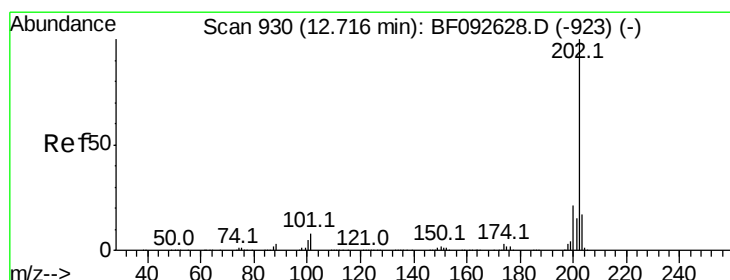
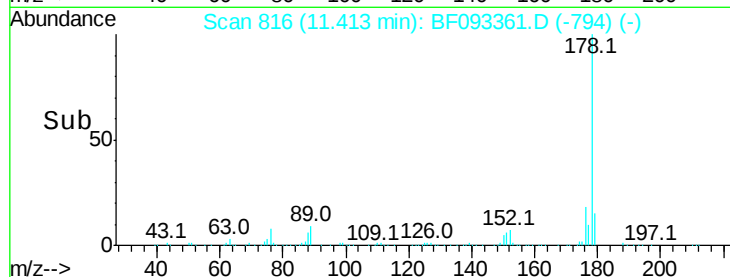
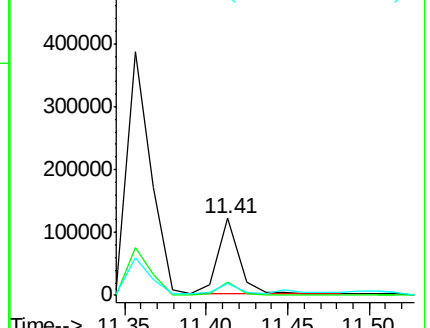
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 10.84 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093361.D

Acq: 3 Mar 2017 14:17

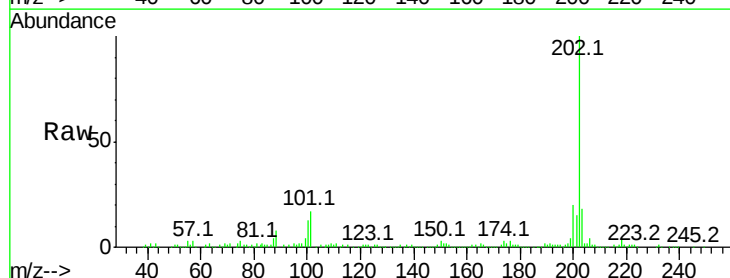
Tgt Ion:202 Resp: 270643

Ion Ratio Lower Upper

202 100

101 17.1 0.0 34.6

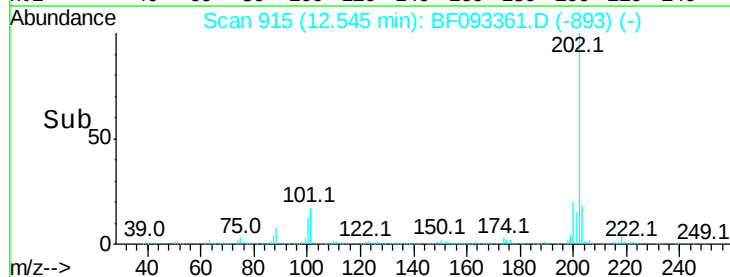
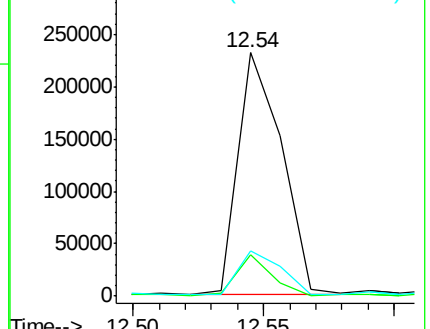
203 18.4 0.0 38.7

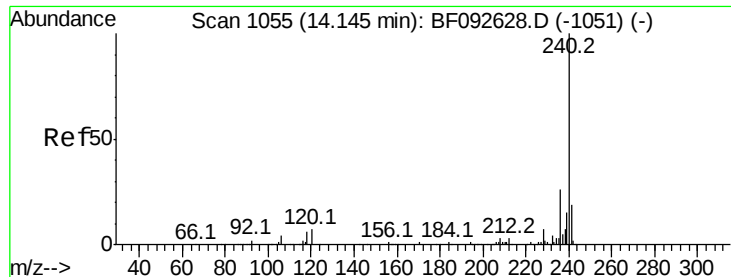


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093361.D

Acq: 3 Mar 2017 14:17

Instrument :

BNA_F

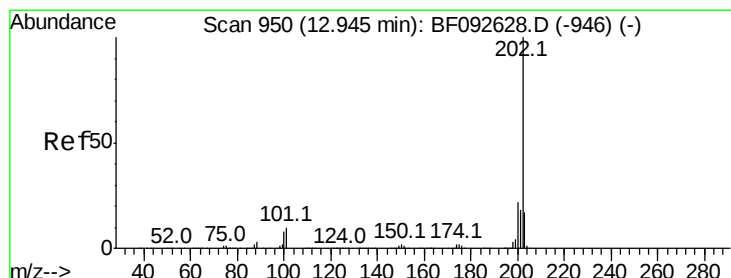
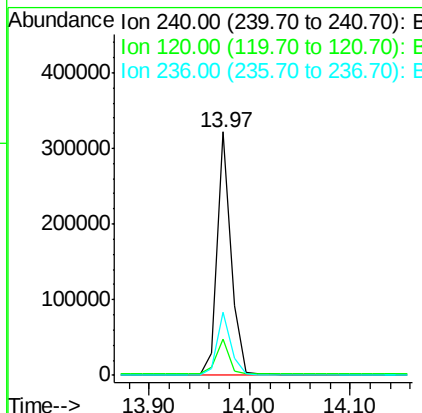
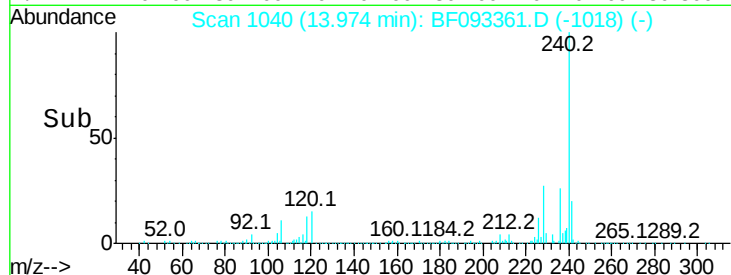
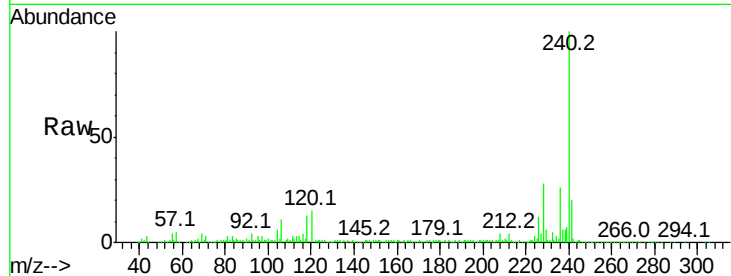
ClientSampleId :

HY-SB436ADL

Tot Ion:	240	Resp:	309845
Ion Ratio	Lower	Upper	
240	100		
120	15.0	12.9	19.3
236	26.0	20.9	31.3

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#77

Pyrene

Concen: 25.08 ng

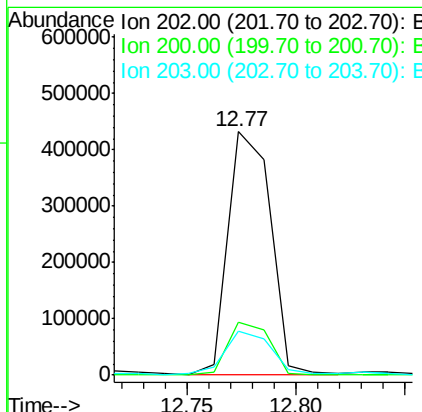
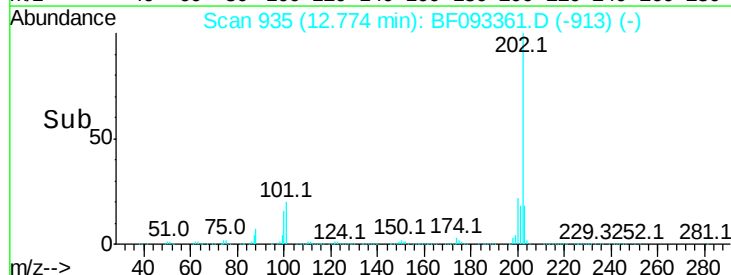
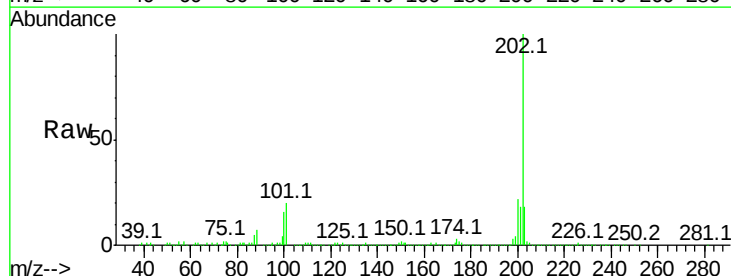
RT: 12.77 min Scan# 935

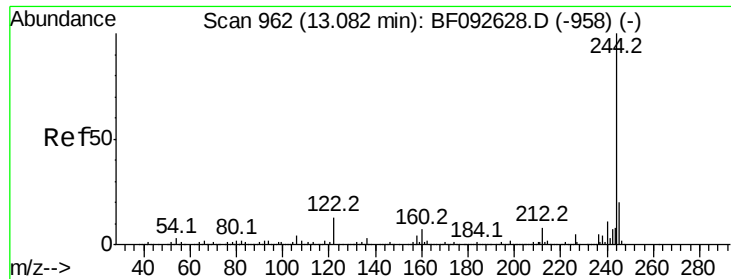
Delta R.T. -0.05 min

Lab File: BF093361.D

Acq: 3 Mar 2017 14:17

Tgt Ion:	202	Resp:	581558
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.7	26.5
203	18.2	14.7	22.1





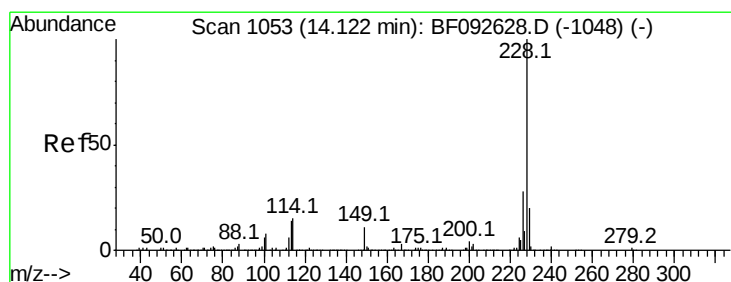
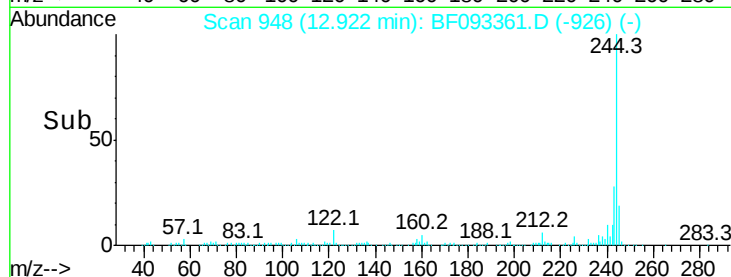
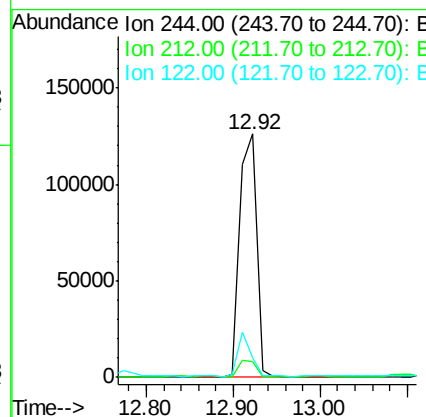
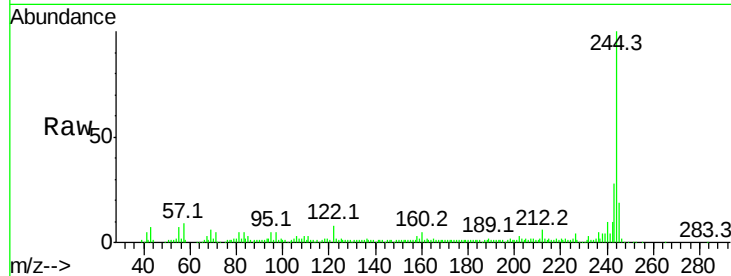
#78
 Terphenyl-d14
 Concen: 12.77 ng
 RT: 12.92 min Scan# 948
 Delta R.T. -0.05 min
 Lab File: BF093361.D
 Acq: 3 Mar 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB436ADL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.2	9.2
122	8.0	11.4	17.2

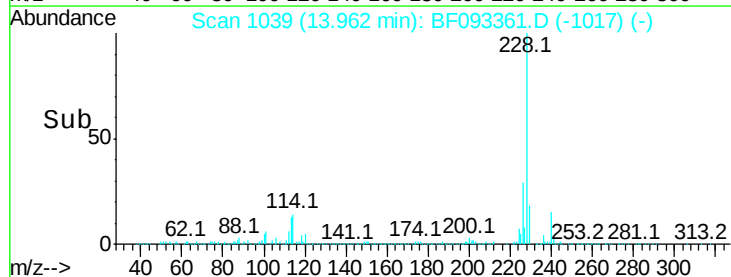
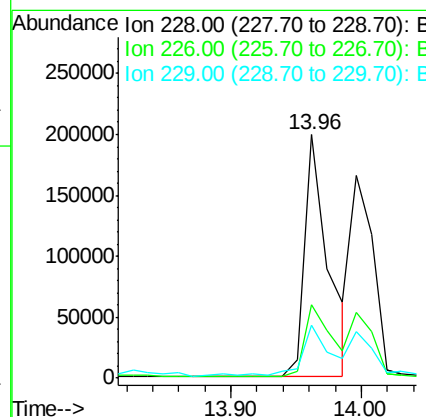
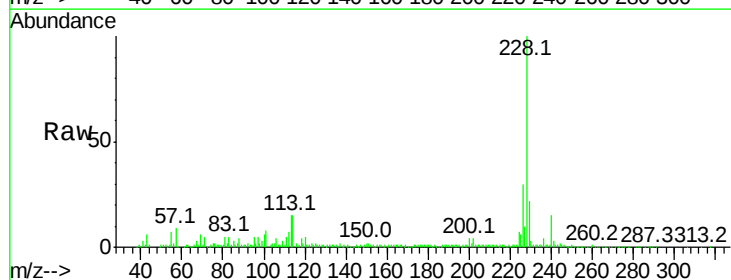
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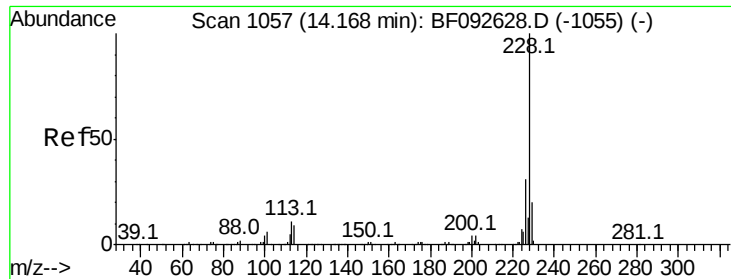
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#80
 Benzo(a)anthracene
 Concen: 13.25 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.05 min
 Lab File: BF093361.D
 Acq: 3 Mar 2017 14:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.4	33.6
229	21.6	16.2	24.4





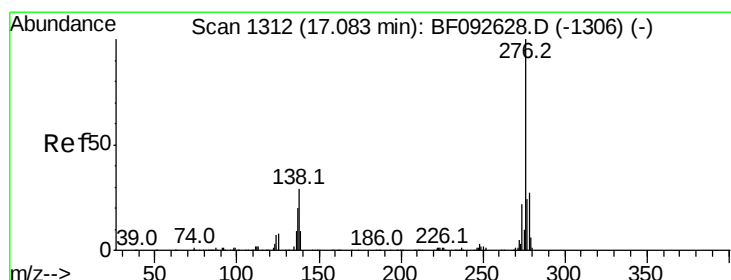
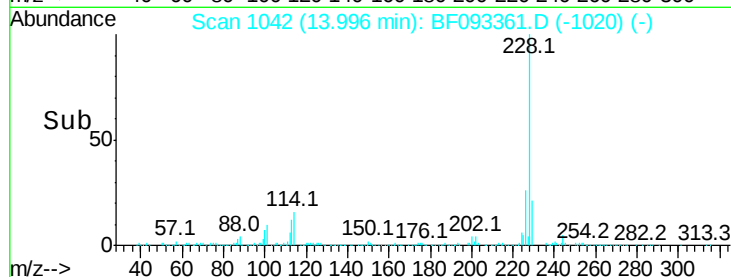
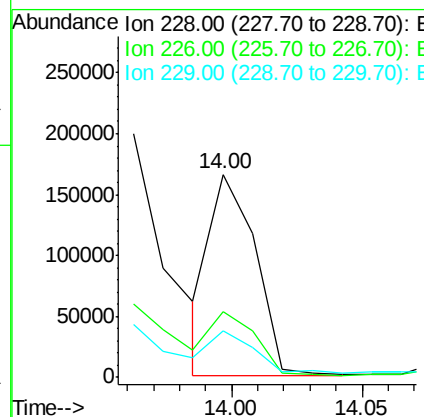
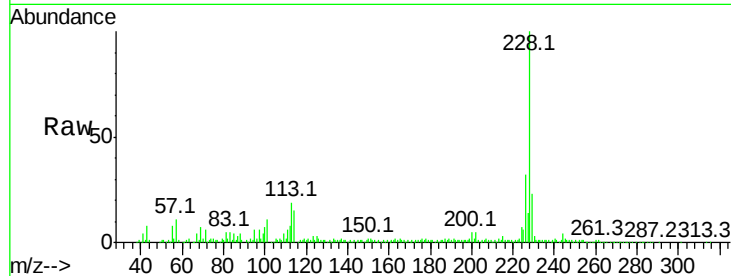
#82
Chrysene
Concen: 11.28 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093361.D
Acq: 3 Mar 2017 14:17

Instrument :
BNA_F
ClientSampleId :
HY-SB436ADL

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.4	38.0
229	22.6	16.2	24.2

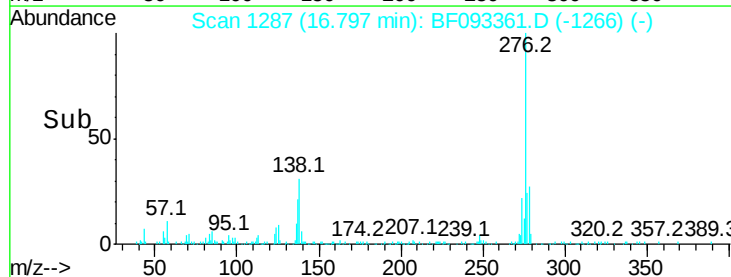
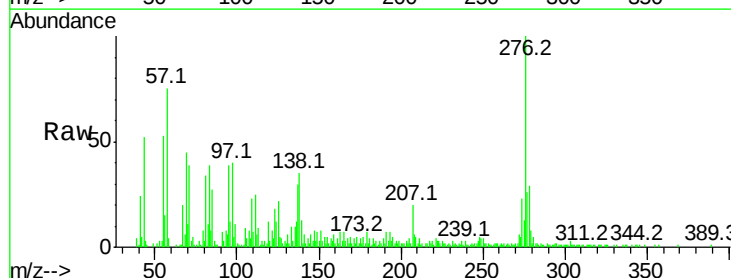
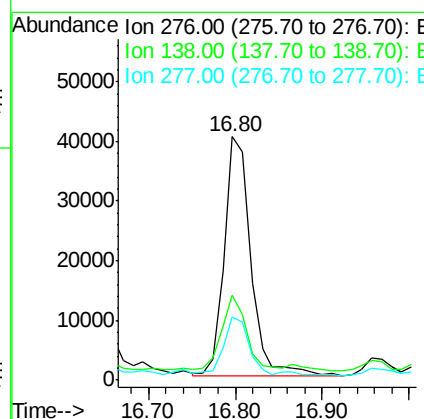
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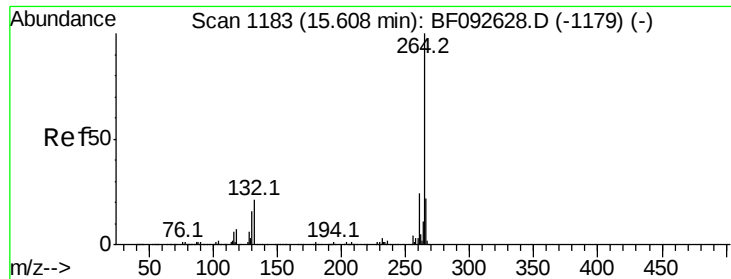
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.23 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.06 min
Lab File: BF093361.D
Acq: 3 Mar 2017 14:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.2	21.8	32.6
277	26.1	20.2	30.4





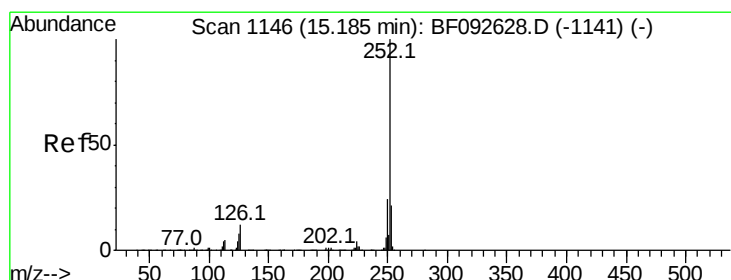
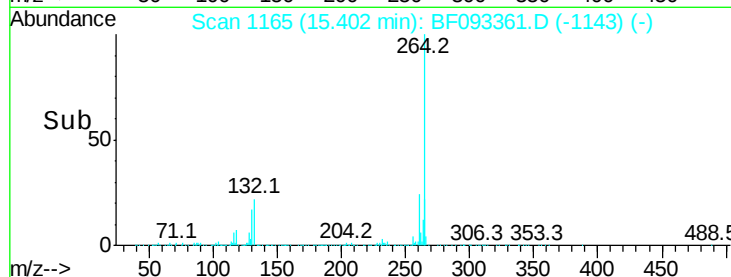
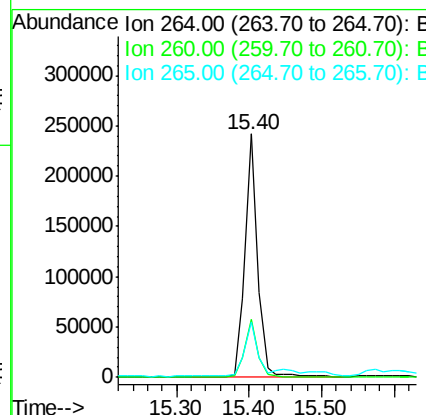
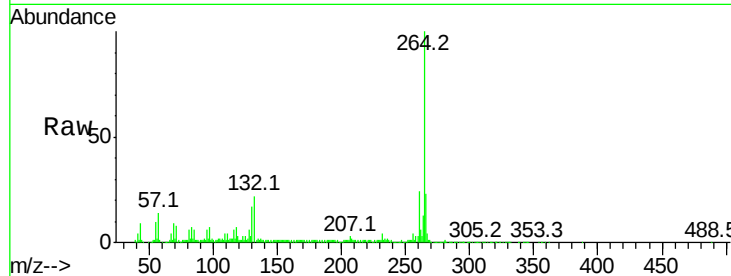
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093361.D
Acq: 3 Mar 2017 14:17

Instrument :
BNA_F
ClientSampleId :
HY-SB436ADL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.5	17.4	26.0

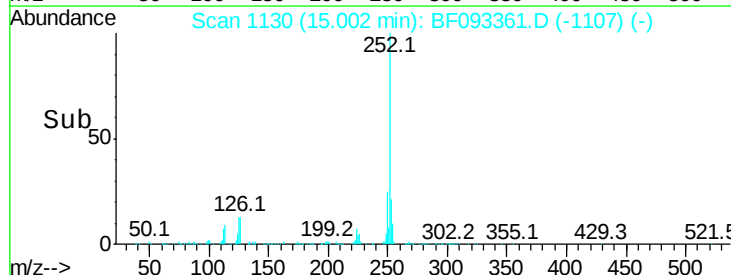
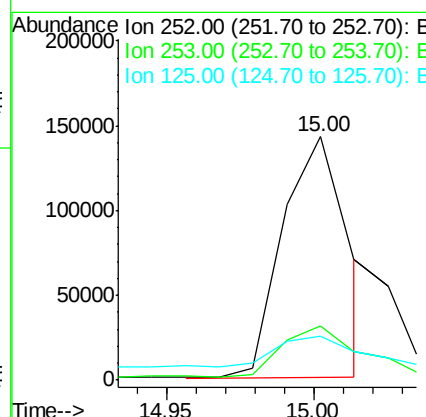
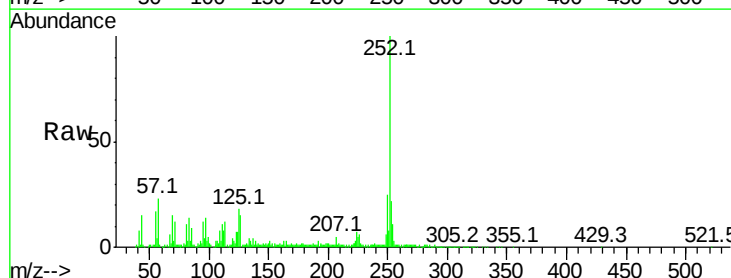
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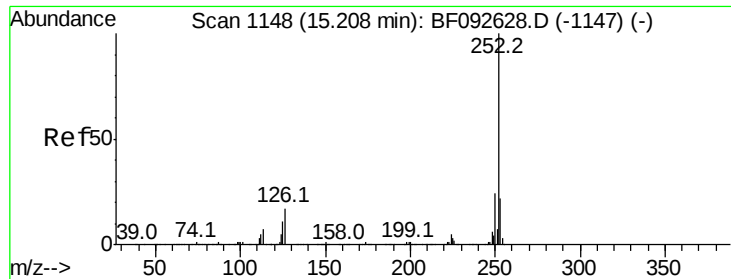
mohammad
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#87
Benzo(b)fluoranthene
Concen: 11.25 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093361.D
Acq: 3 Mar 2017 14:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	17.9	9.8	14.6





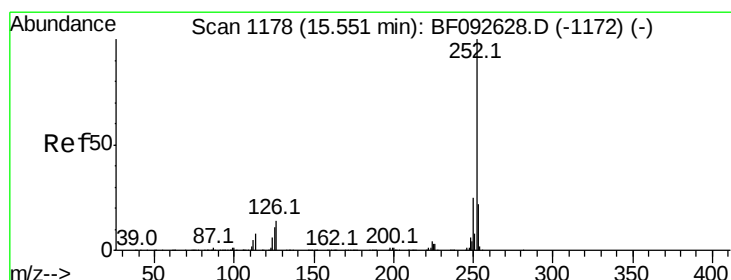
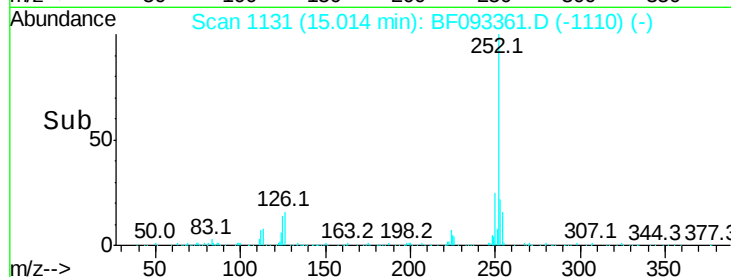
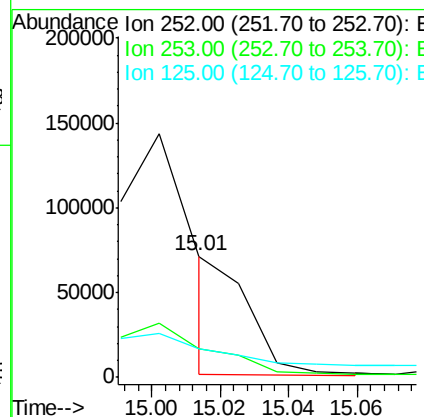
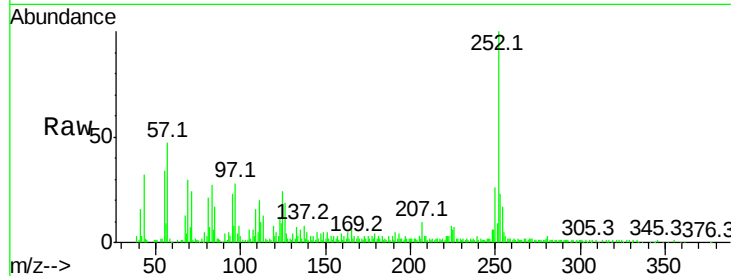
#88
Benzo(k)fluoranthene
Concen: 2.65 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093361.D
Acq: 3 Mar 2017 14:17

Instrument :
BNA_F
ClientSampleId :
HY-SB436ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	23.6	8.9	13.3

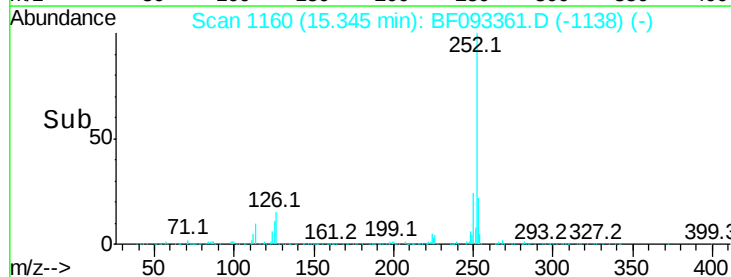
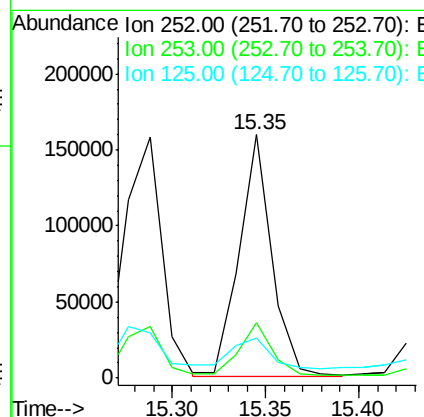
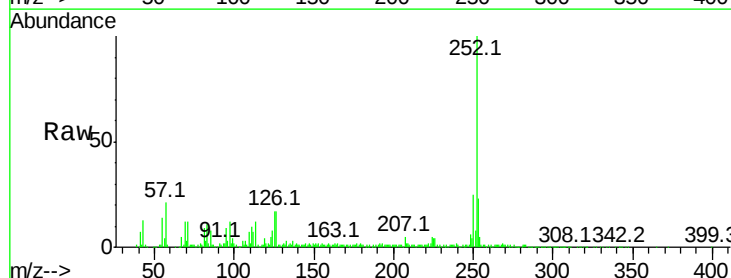
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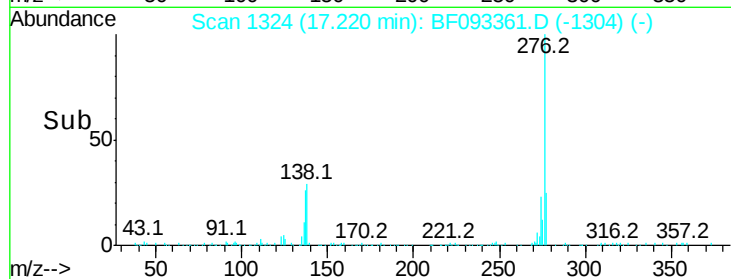
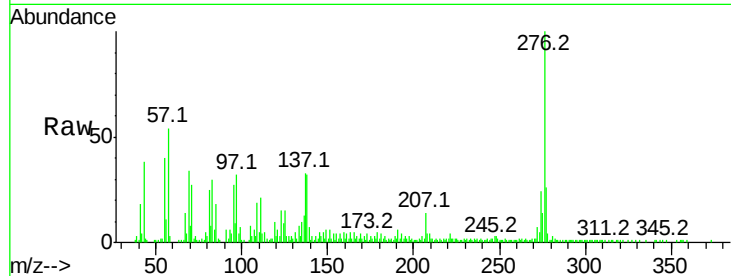
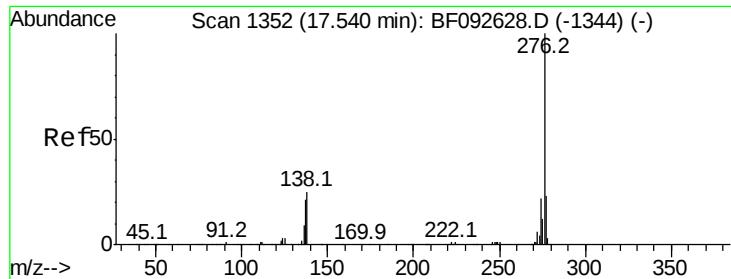
mohammad
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#89
Benzo(a)pyrene
Concen: 11.53 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093361.D
Acq: 3 Mar 2017 14:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	16.7	10.0	15.0





#91

Benzo(a,h,i)perylene

Concen: 8.46 ng

RT: 17.22 min Scan# 1324

Delta R.T. -0.07 min

Lab File: BF093361.D

Acq: 3 Mar 2017 14:17

Instrument :

BNA_F

ClientSampleId :

HY-SB436ADL

Tot Ion: 276 Resp: 116202

Ion Ratio Lower Upper

276 100

277 26.1 19.2 28.8

138 31.7 16.0 24.0#

Manual Integrations
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