

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093221.D
 Acq On : 27 Feb 2017 22:57
 Operator : SJ/MA
 Sample : I1997-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-ESW-1

Manual Integrations
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 2/28/2017 2:35:12 PM

Quant Time: Feb 28 01:15:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 28 00:51:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	173937	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	651803	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	311293	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	494108	20.00	ng	0.00
75) Chrysene-d12	13.99	240	359797	20.00	ng	0.00
86) Perylene-d12	15.41	264	314517	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1073877	105.92	ng	0.01
7) Phenol-d6	6.48	99	1530466	117.32	ng	0.00
23) Nitrobenzene-d5	7.39	82	921260	78.71	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	250416	111.22	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1447417	84.24	ng	0.00
78) Terphenyl-d14	12.93	244	1039501	67.88	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.58	163	546040	26.04	ng	99
70) Phenanthrene	11.37	178	239180	8.45	ng	97
74) Fluoranthene	12.56	202	368222	12.61	ng	96
77) Pyrene	12.79	202	346904	12.88	ng	97
80) Benzo(a)anthracene	13.97	228	177047m	8.05	ng	
82) Chrysene	14.01	228	170353m	8.27	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	98600	6.18	ng	96
87) Benzo(b)fluoranthene	15.00	252	210680m	10.18	ng	
88) Benzo(k)fluoranthene	15.01	252	93511m	5.23	ng	
89) Benzo(a)pyrene	15.36	252	175468	9.80	ng	96
90) Dibenzo(a,h)anthracene	16.81	278	30385	2.10	ng	# 83
91) Benzo(a,h,i)perylene	17.23	276	97880	6.69	ng	# 93

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

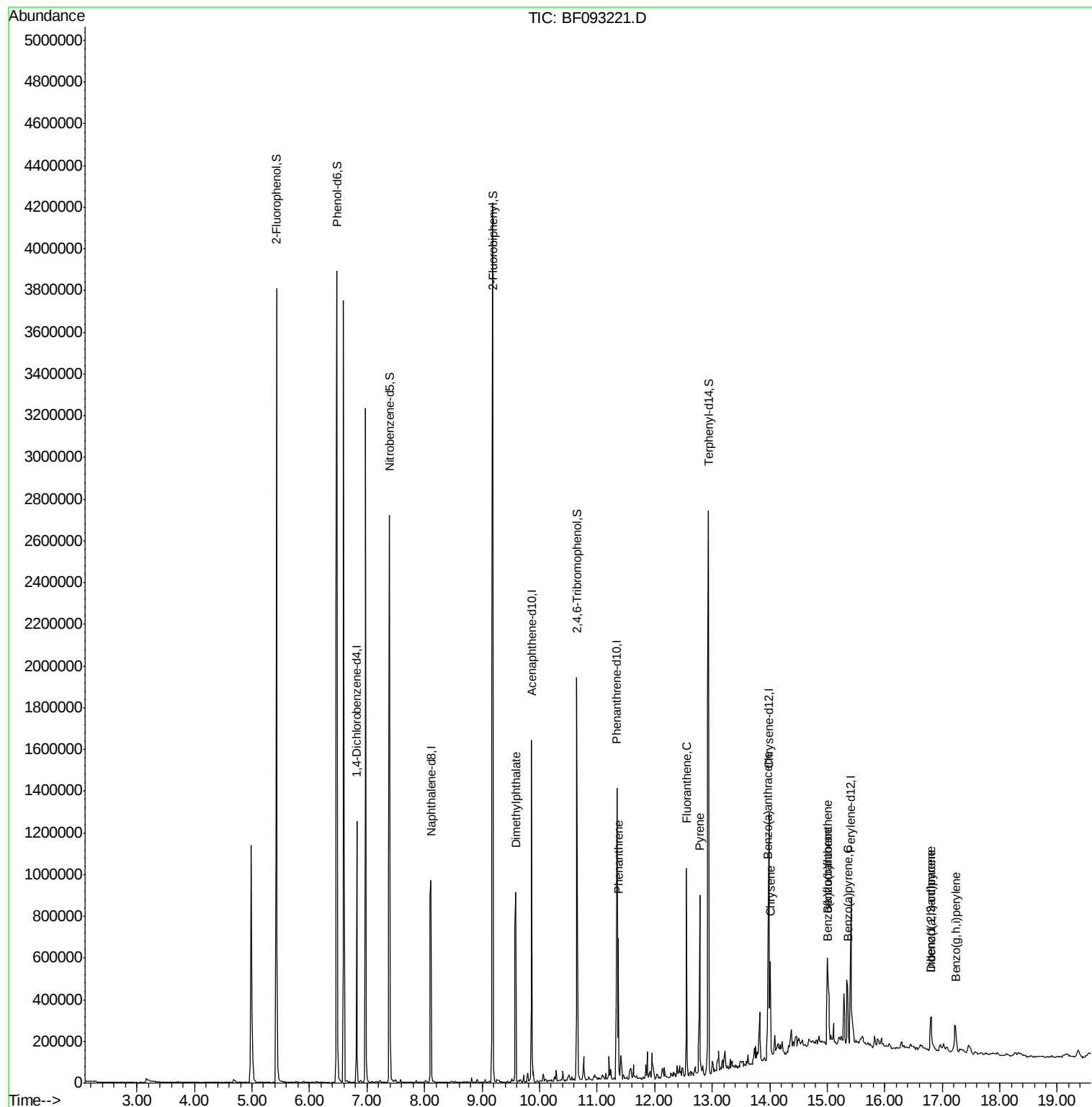
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093221.D
Acq On : 27 Feb 2017 22:57
Operator : SJ/MA
Sample : I1997-10
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ALS Vial : 10 Sample Multiplier: 1

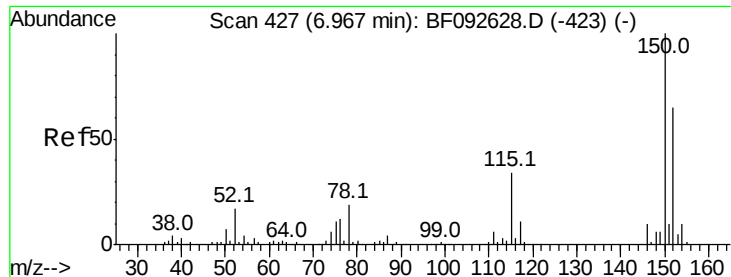
Instrument :
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ClientSampleId :
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Quant Time: Feb 28 01:15:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

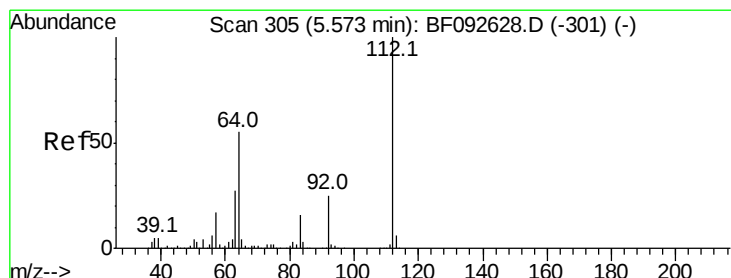
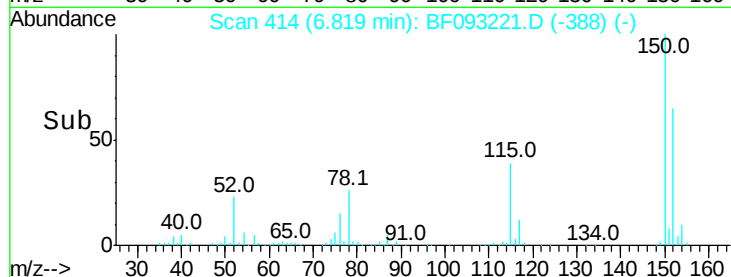
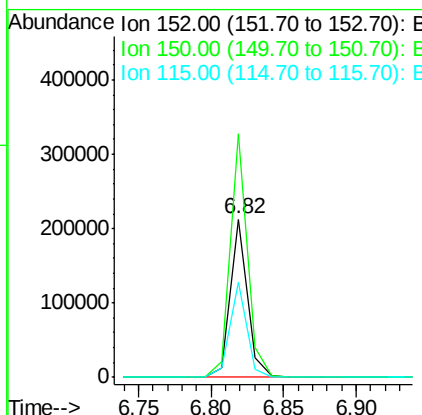
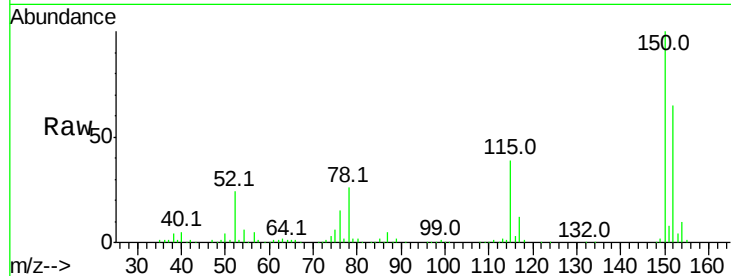
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.9	187.3
115	60.5	46.0	69.0

Manual Integrations
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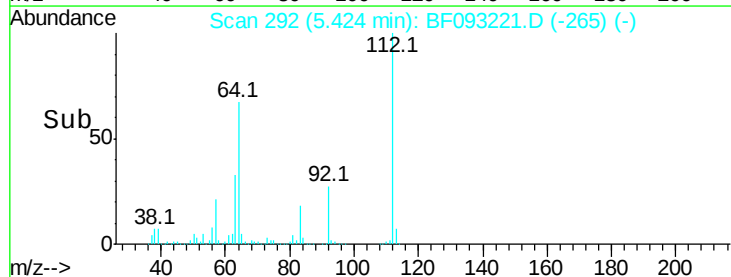
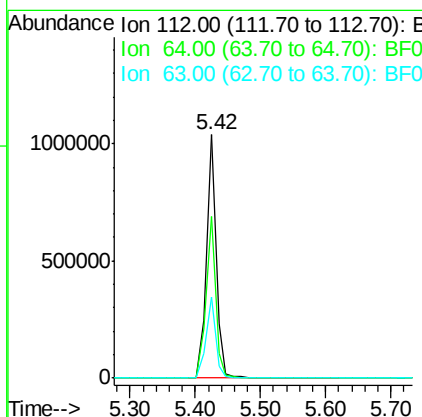
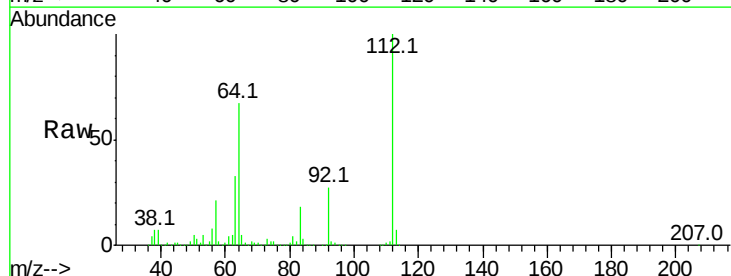
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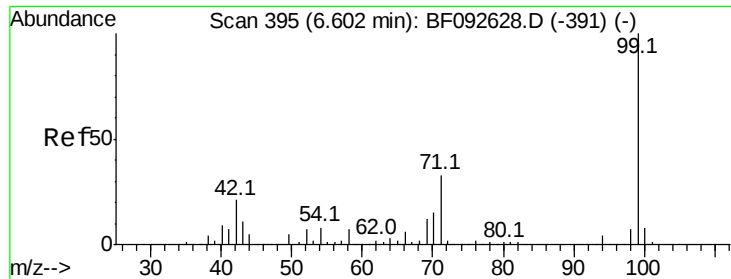


#5

2-Fluorophenol
Concen: 105.92 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	46.1	69.1
63	33.2	23.8	35.6





#7

Phenol-d6

Concen: 117.32 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

Tot Ion: 99 Resp: 1530466

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

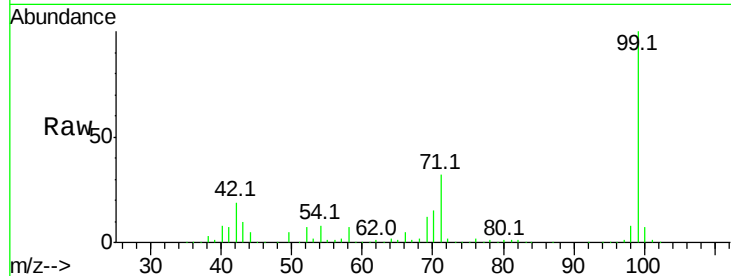
71 32.2 27.5 41.3

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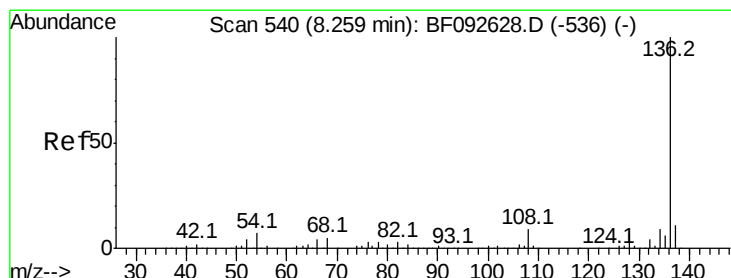
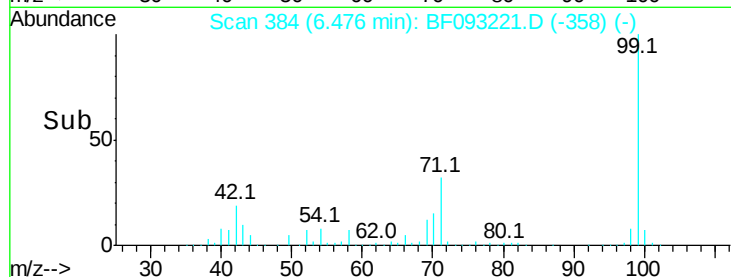
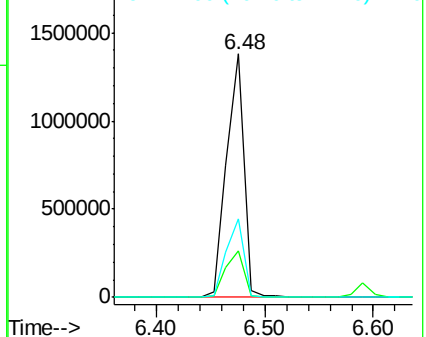
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 8.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Tgt Ion:136 Resp: 651803

Ion Ratio Lower Upper

136 100

137 10.2 8.4 12.6

54 7.0 4.5 6.7#

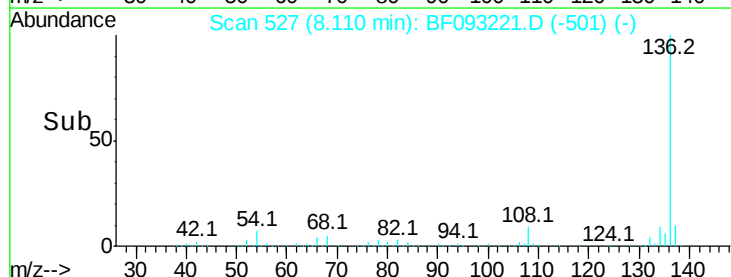
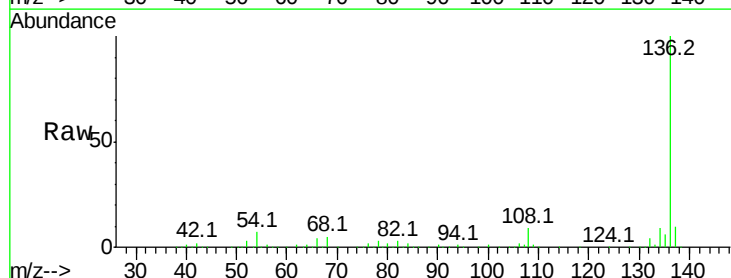
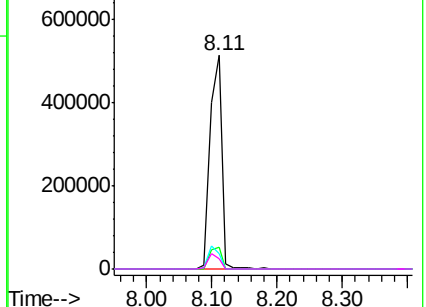
68 5.0 3.6 5.4

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





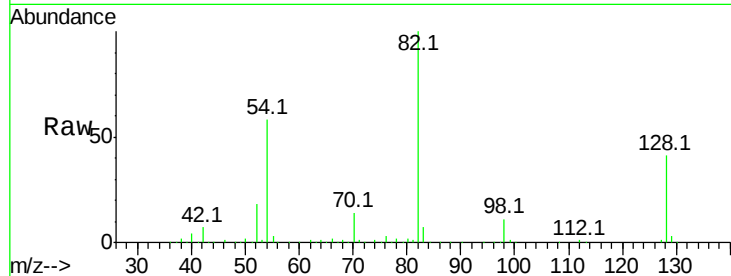
#23
 Nitrobenzene-d5
 Concen: 78.71 ng
 RT: 7.39 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: BF093221.D
 Acq: 27 Feb 2017 22:57

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-ESW-1

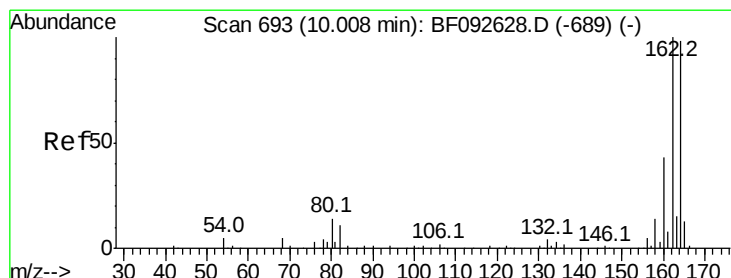
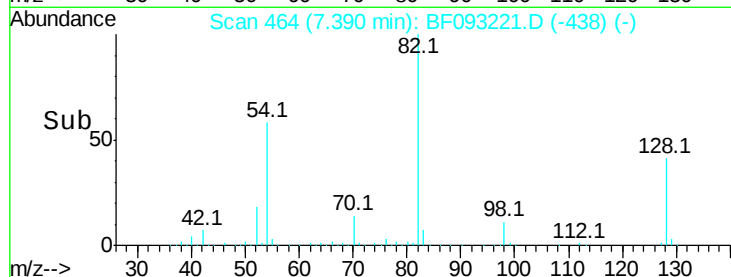
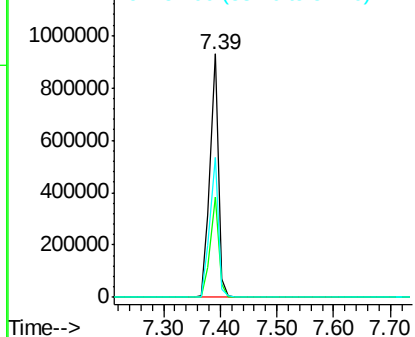
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.6	52.0
54	57.6	39.5	59.3

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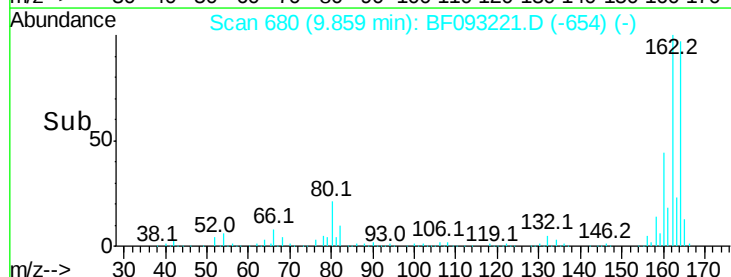
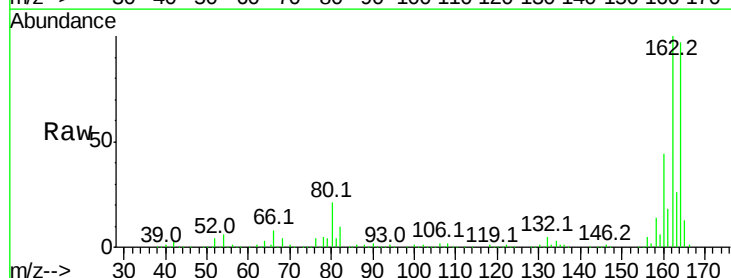
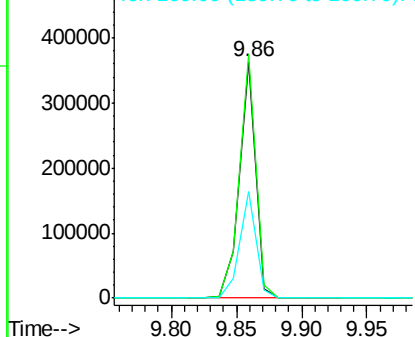
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BF093221.D
 Acq: 27 Feb 2017 22:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.2	120.2
160	45.3	36.9	55.3

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





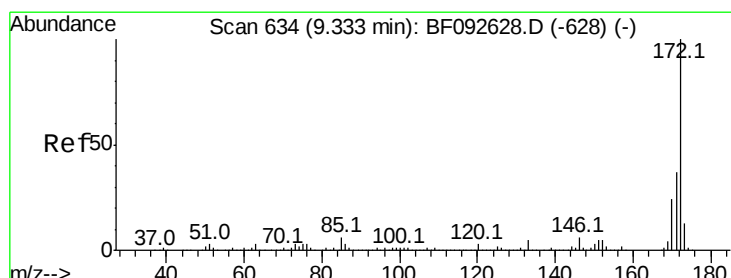
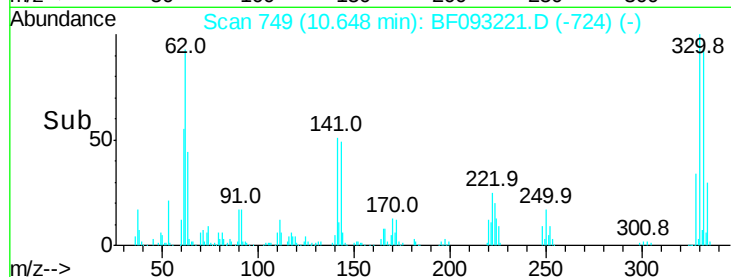
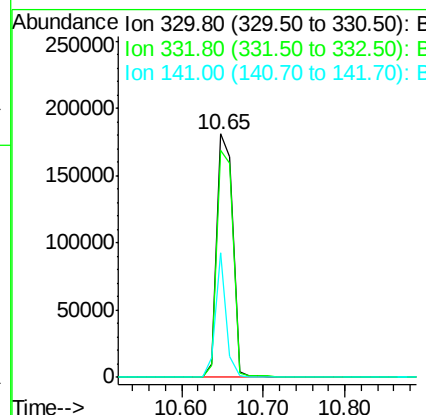
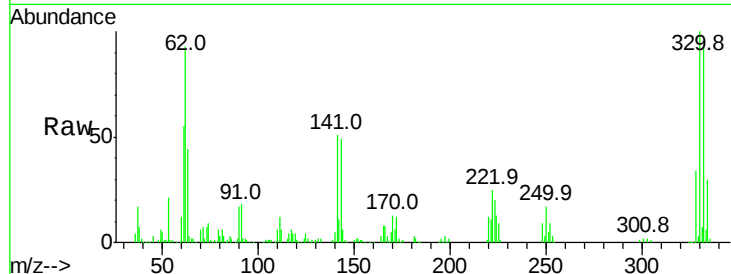
#41
 2,4,6-Tribromophenol
 Concen: 111.22 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF093221.D
 Acq: 27 Feb 2017 22:57

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-ESW-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	250416		
332	94.9		77.4	116.2
141	34.5		34.1	51.1

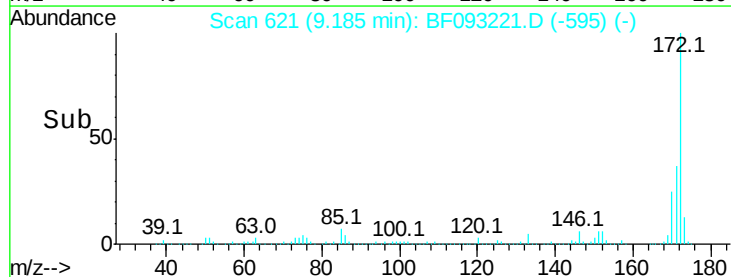
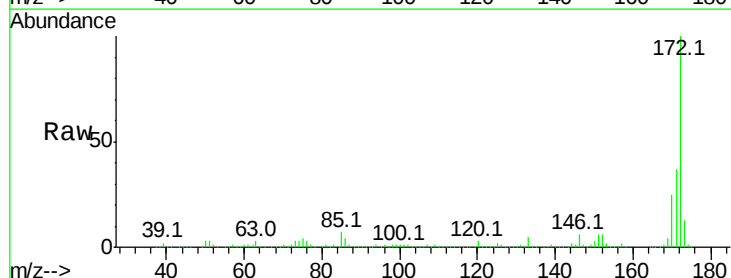
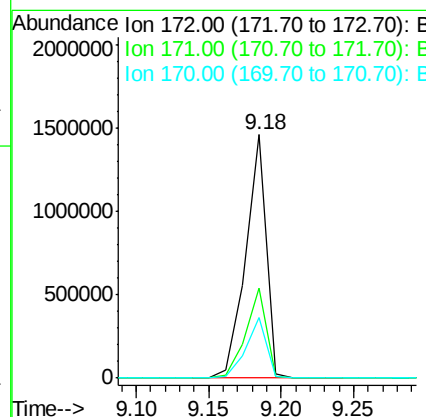
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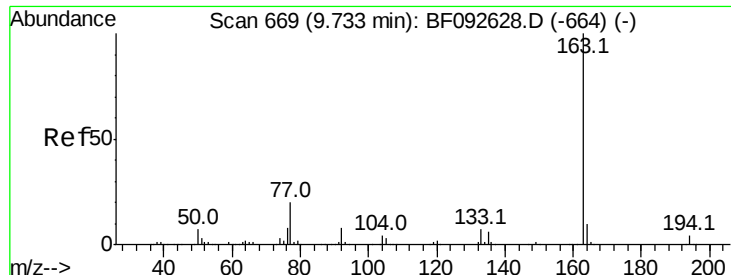
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#44
 2-Fluorobiphenyl
 Concen: 84.24 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF093221.D
 Acq: 27 Feb 2017 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1447417		
171	37.0		29.4	44.0
170	24.7		20.2	30.4





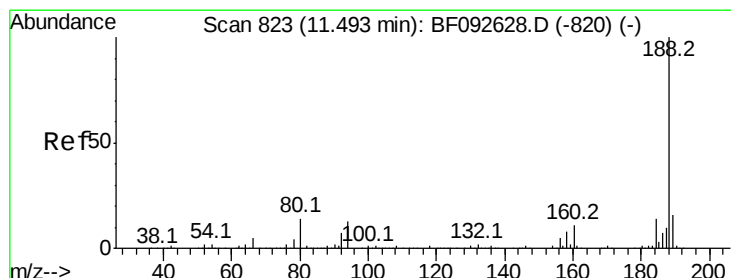
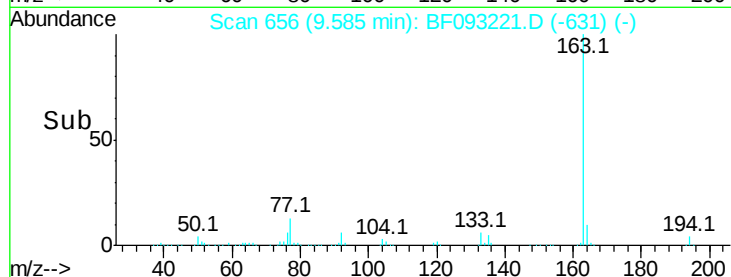
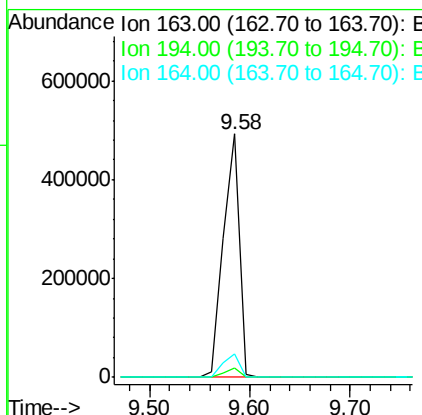
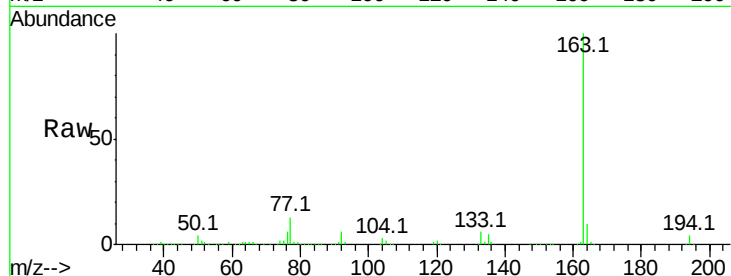
#49
Dimethylphthalate
Concen: 26.04 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9		3.0	4.4
164	9.5		8.0	12.0

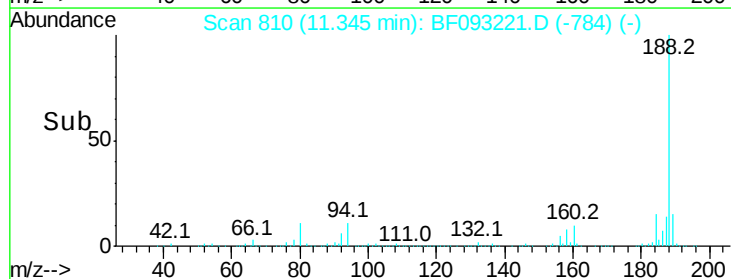
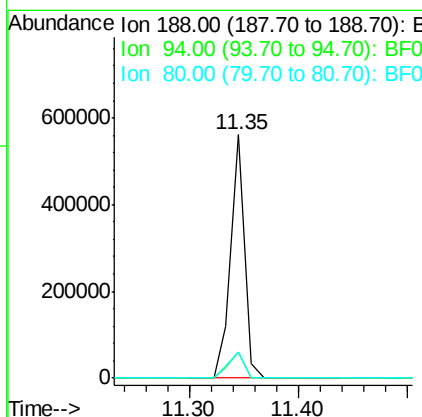
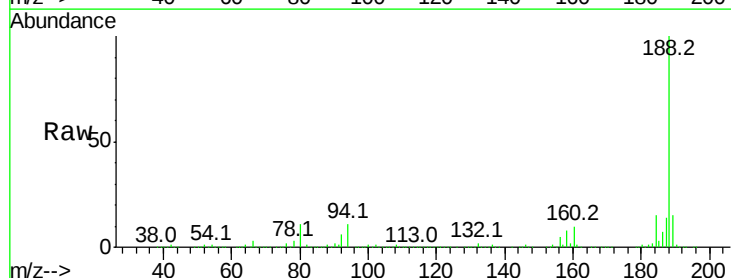
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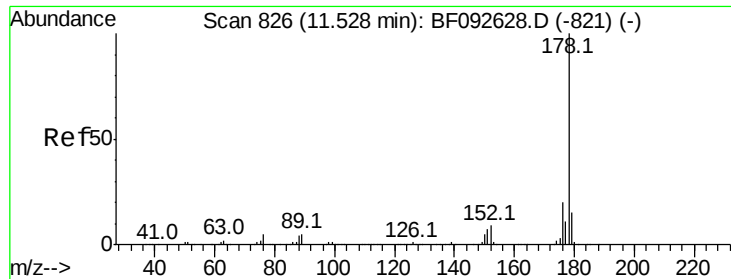
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.7		10.0	15.0
80	10.9		11.2	16.8#





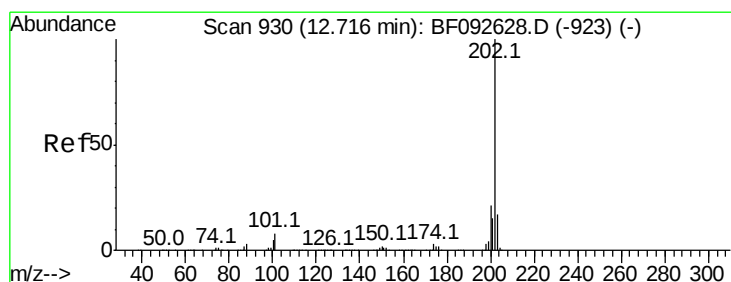
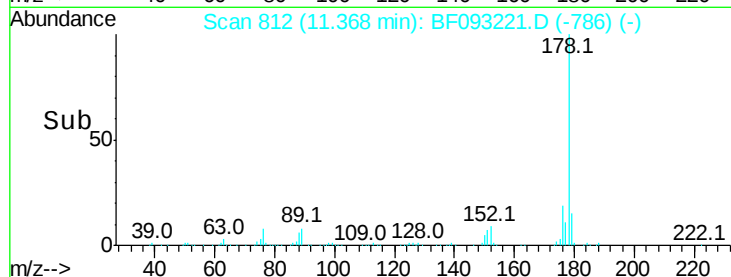
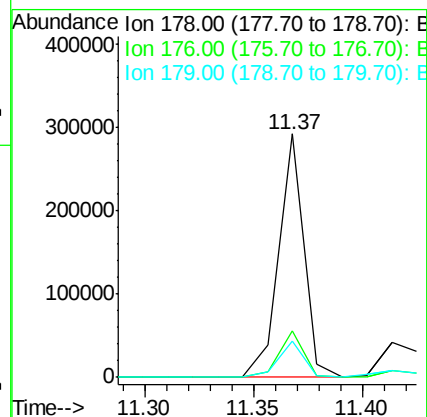
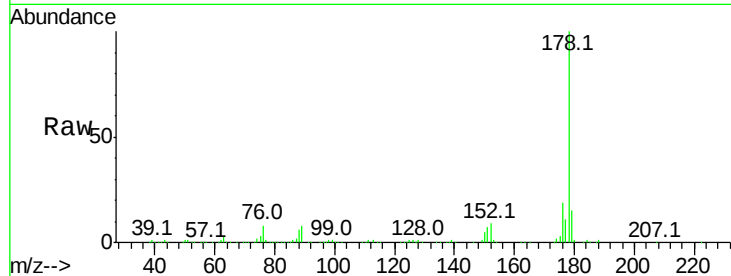
#70
Phenanthrene
Concen: 8.45 ng
RT: 11.37 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.6	25.0
179	15.0	12.8	19.2

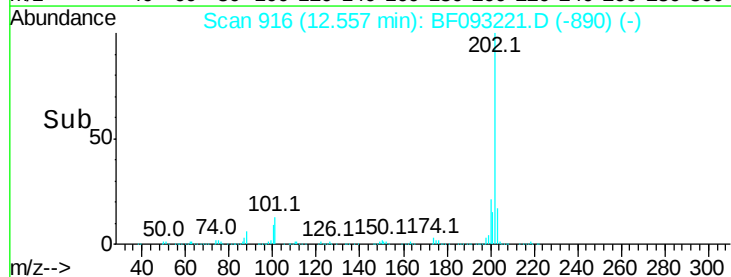
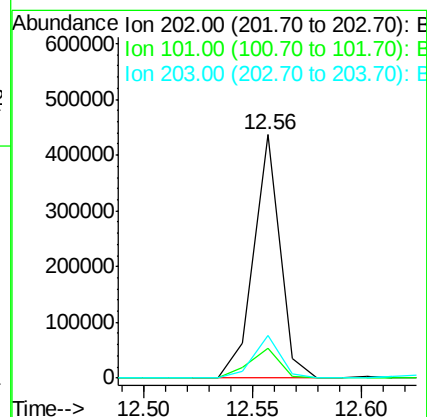
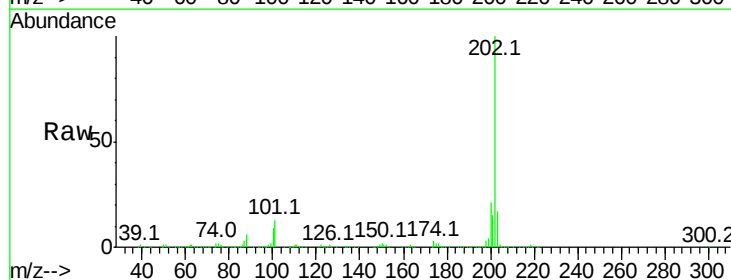
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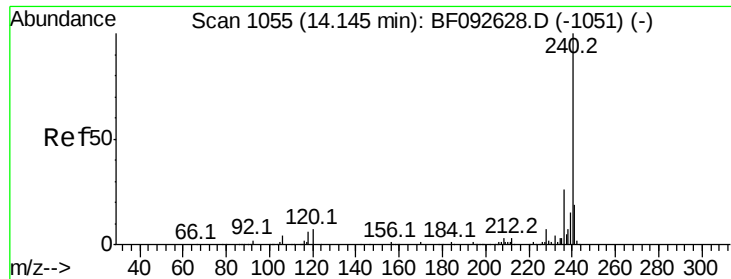
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#74
Fluoranthene
Concen: 12.61 ng
RT: 12.56 min Scan# 916
Delta R.T. 0.00 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.6
203	17.5	0.0	38.7





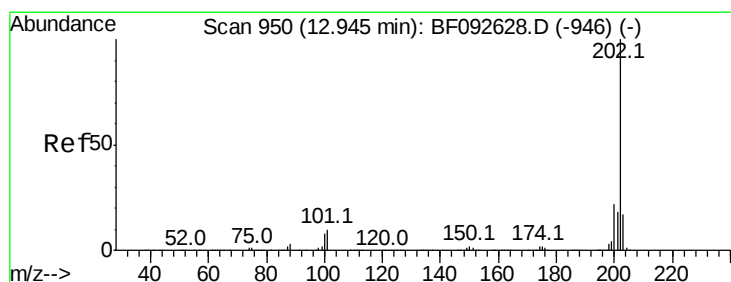
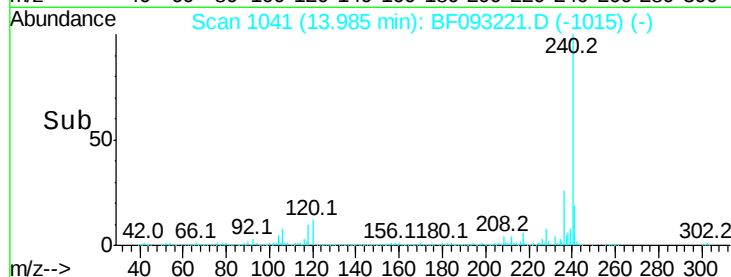
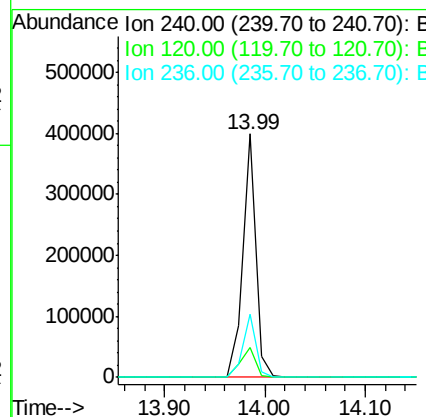
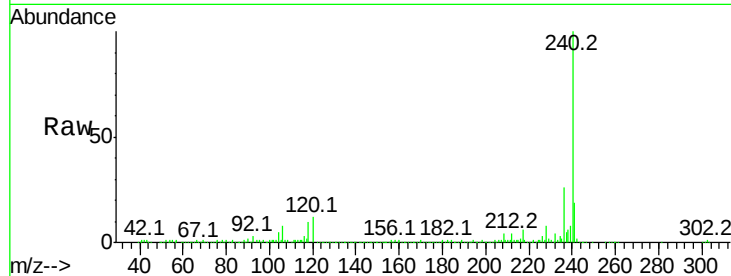
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Instrument :
BNA_F
ClientSampled :
E2-B1E-ESW-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	12.9	19.3#
236	25.9	20.9	31.3

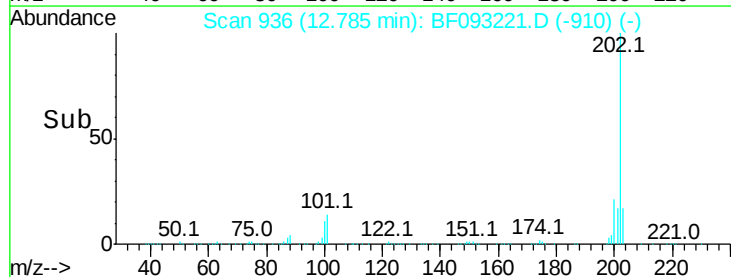
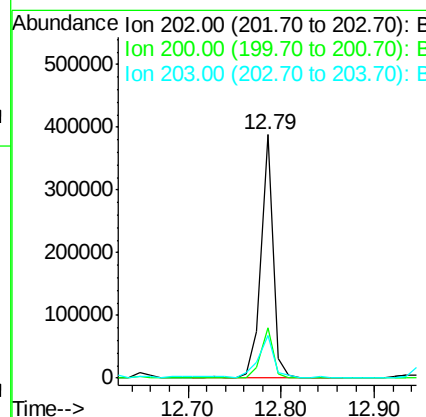
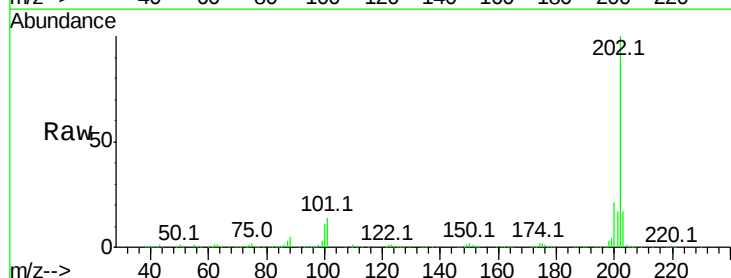
Manual Integrations
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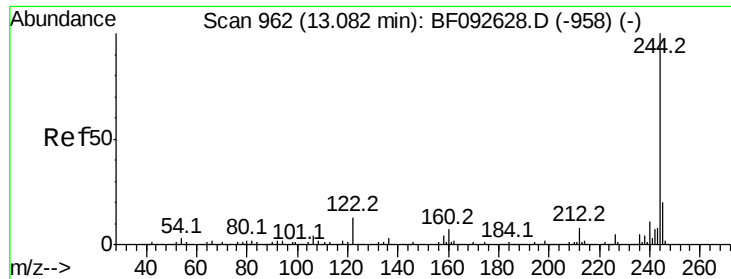
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#77
Pyrene
Concen: 12.88 ng
RT: 12.79 min Scan# 936
Delta R.T. 0.00 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.7	26.5
203	17.3	14.7	22.1





#78

Terphenyl-d14

Concen: 67.88 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

Tot Ion:244 Resp: 1039501

Ion Ratio Lower Upper

244 100

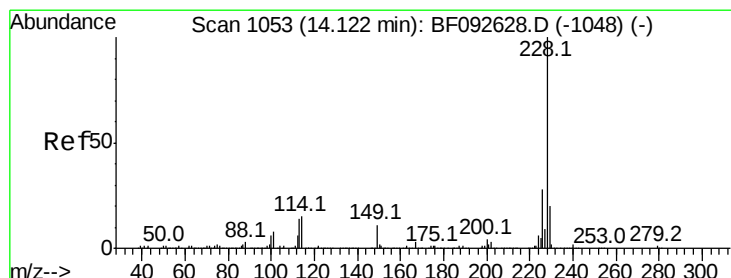
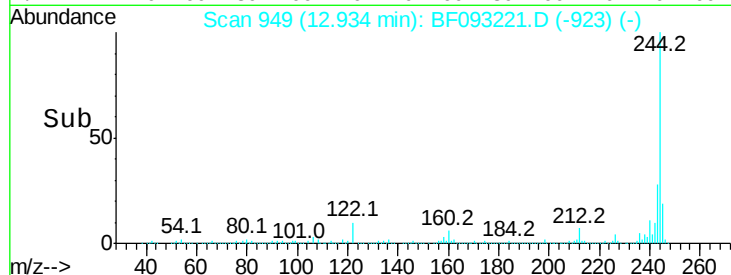
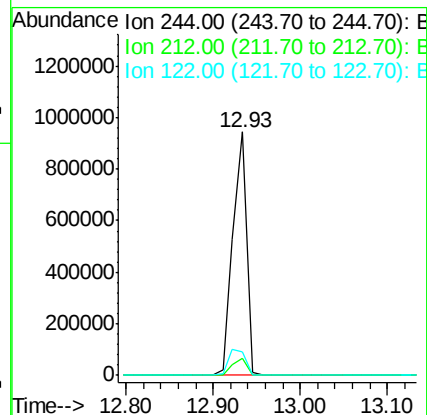
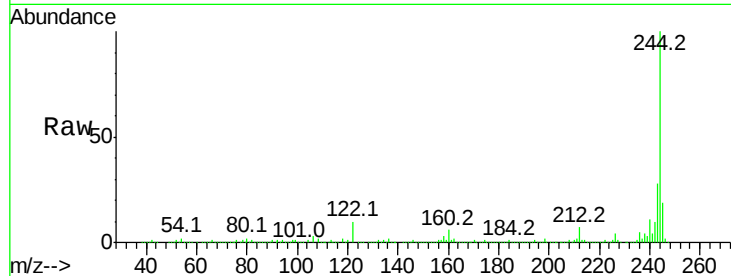
212 7.0 6.2 9.2

122 9.6 11.4 17.2#

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#80

Benzo(a)anthracene

Concen: 8.05 ng m

RT: 13.97 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

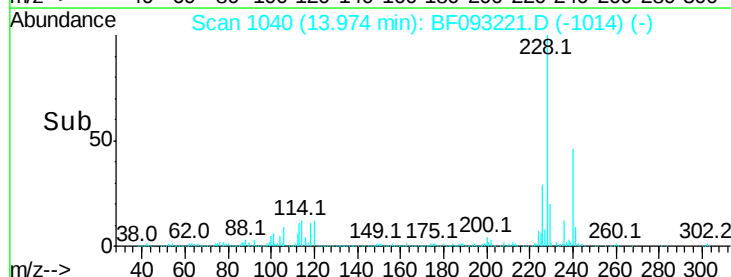
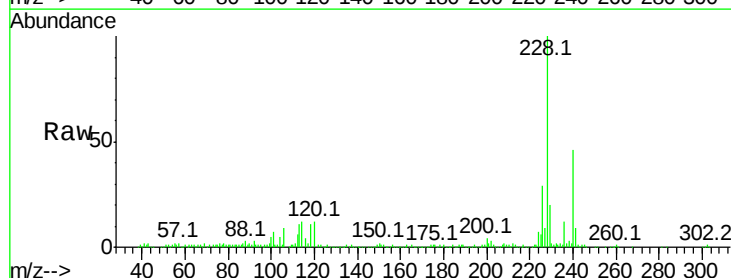
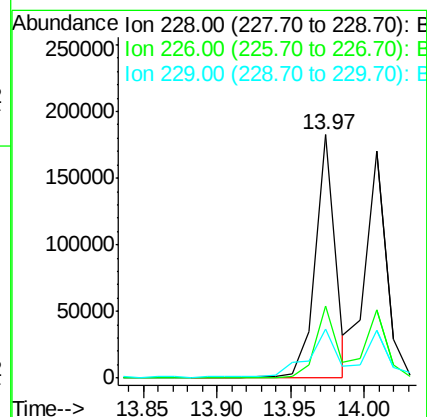
Tgt Ion:228 Resp: 177047

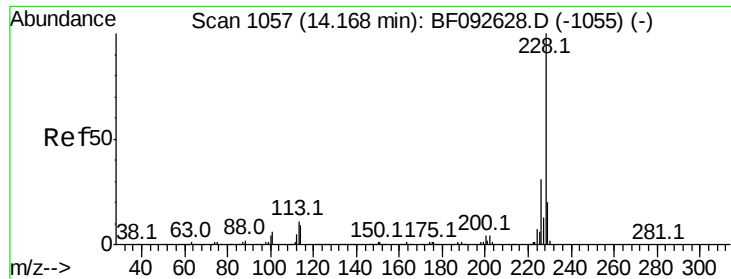
Ion Ratio Lower Upper

228 100

226 29.4 22.4 33.6

229 20.4 16.2 24.4





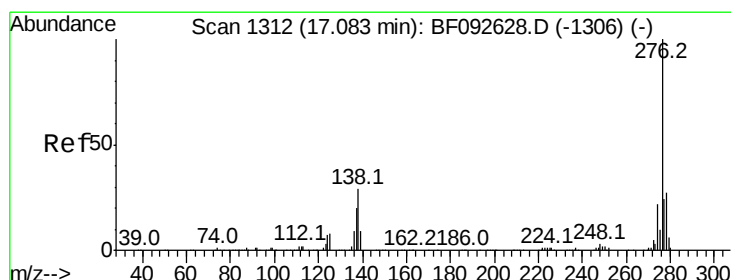
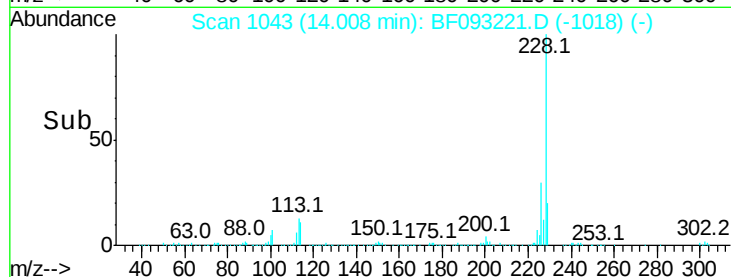
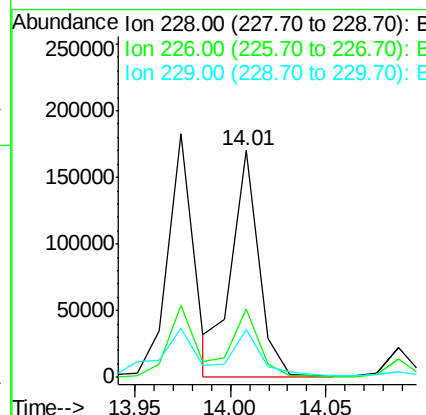
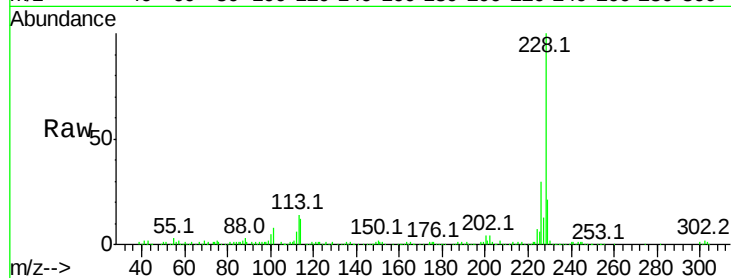
#82
Chrysene
Concen: 8.27 ng/ml
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-1

Tot Ion:	228	Resp:	170353
Ion Ratio		Lower	Upper
228	100		
226	30.0	25.4	38.0
229	21.0	16.2	24.2

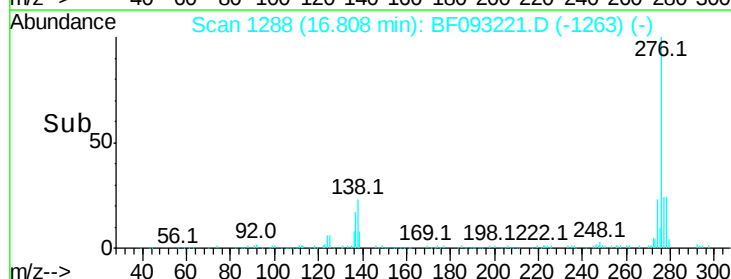
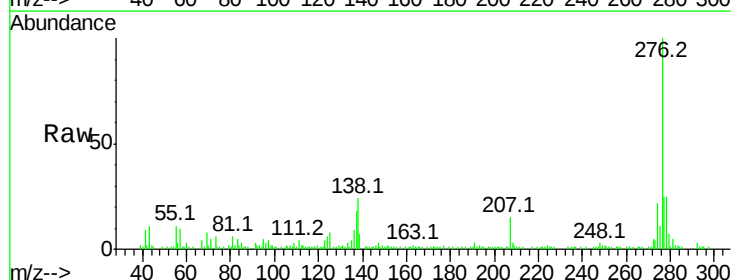
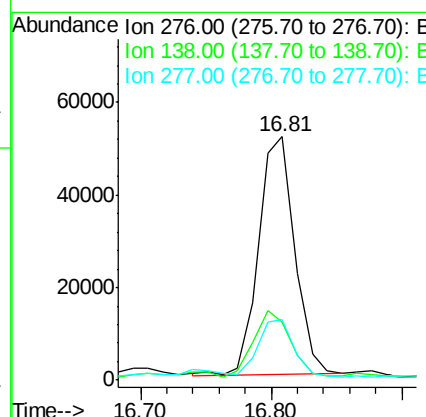
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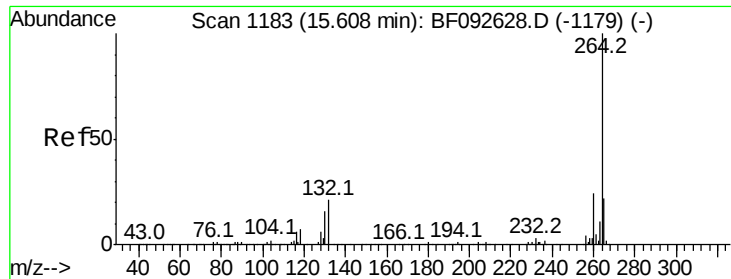
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.18 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion:	276	Resp:	98600
Ion Ratio		Lower	Upper
276	100		
138	29.3	21.8	32.6
277	23.3	20.2	30.4





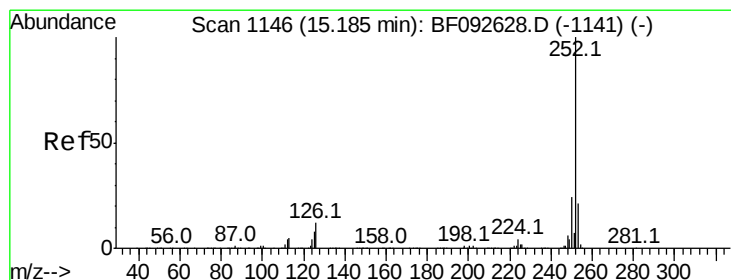
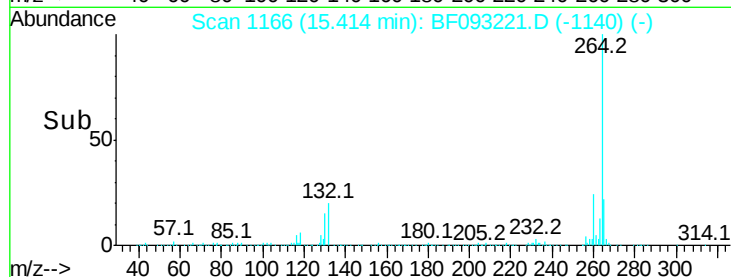
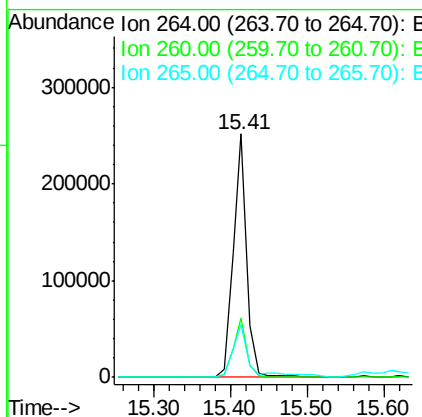
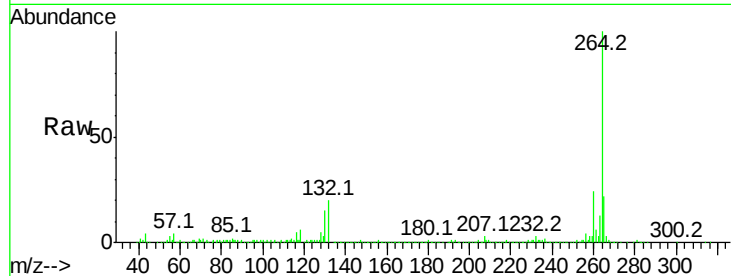
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	17.4	26.0

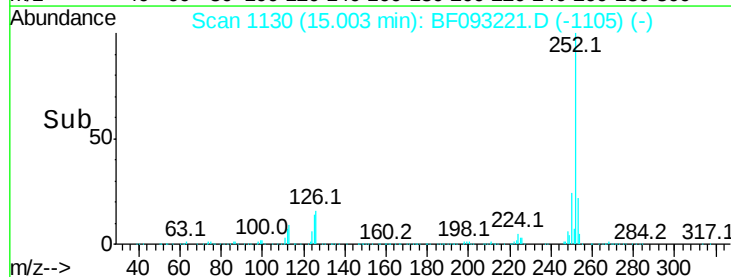
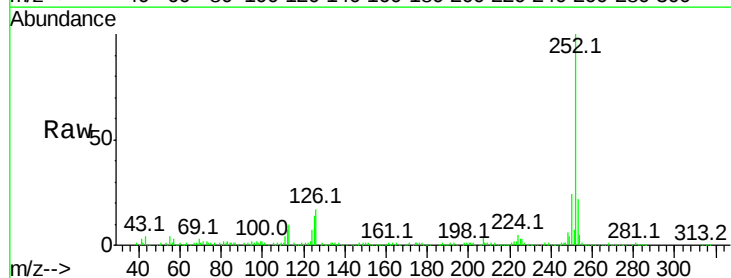
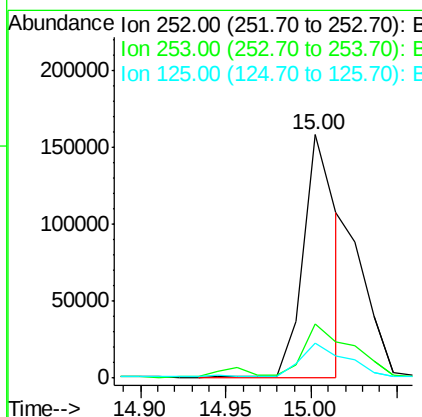
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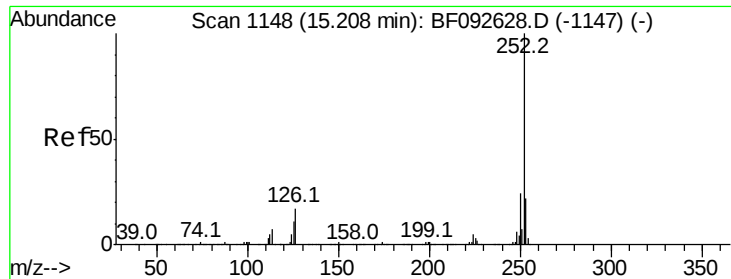
mohammad
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#87
Benzo(b)fluoranthene
Concen: 10.18 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	14.3	9.8	14.6





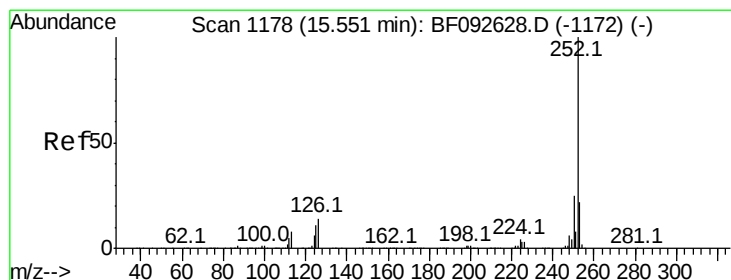
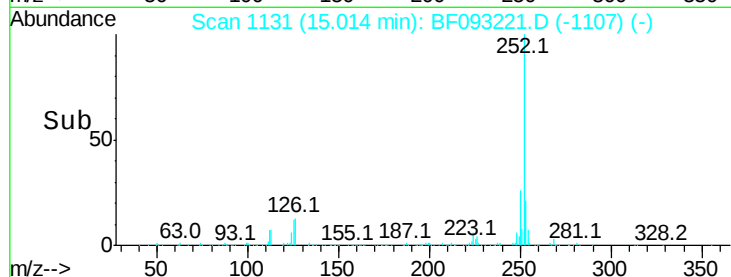
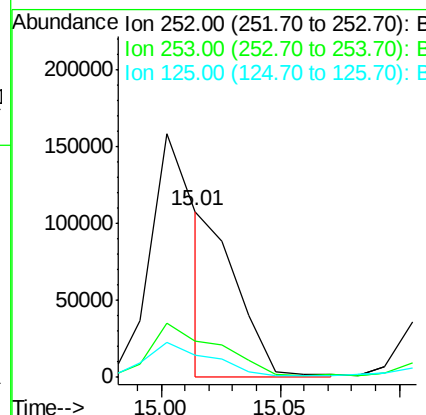
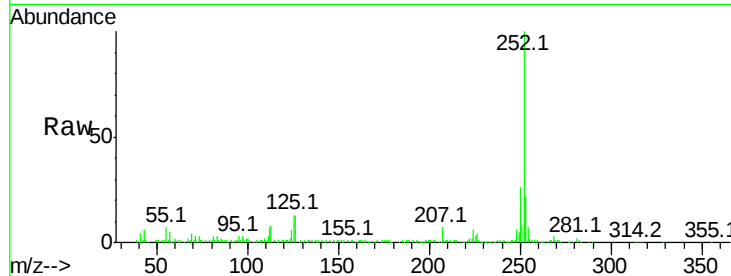
#88
Benzo(k)fluoranthene
Concen: 5.23 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.5	27.7
125	13.3	8.9	13.3#

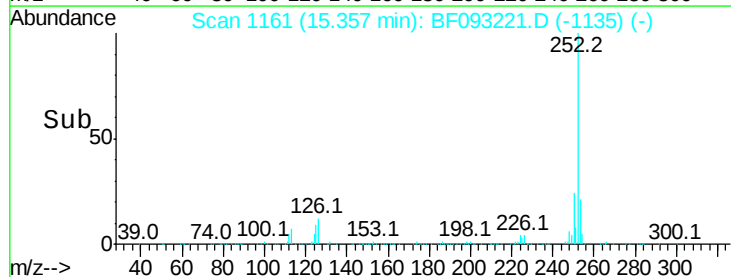
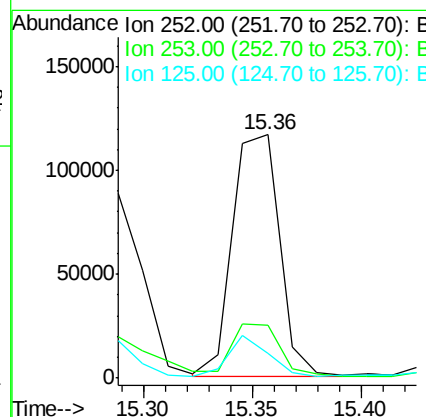
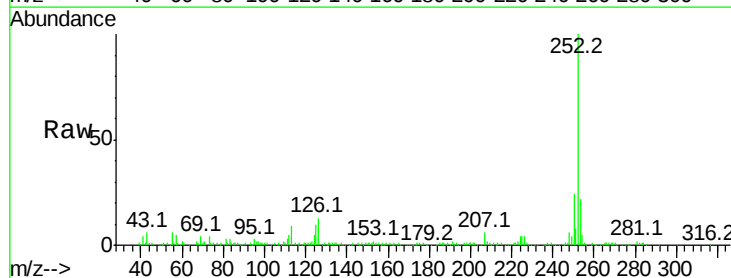
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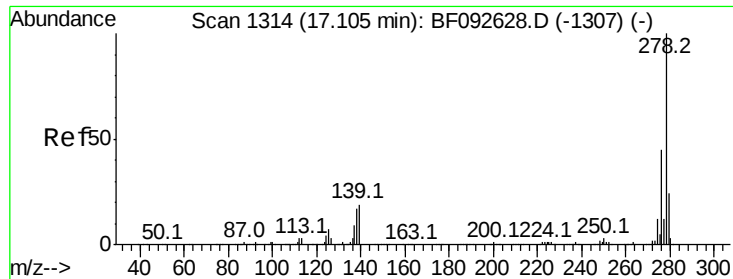
mohammad
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#89
Benzo(a)pyrene
Concen: 9.80 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2
125	10.0	10.0	15.0





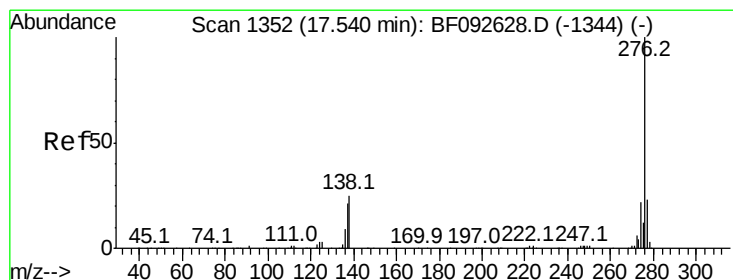
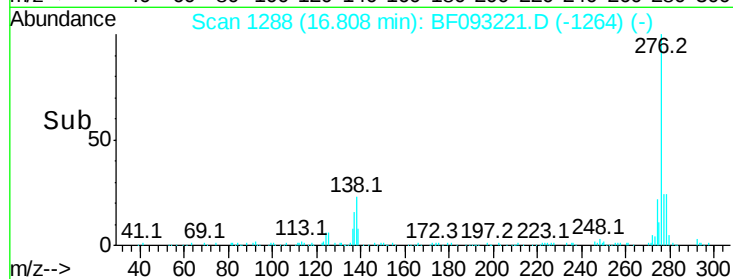
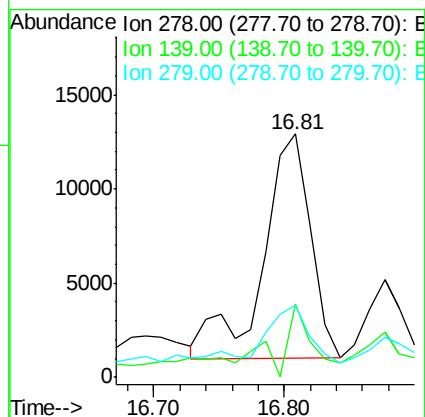
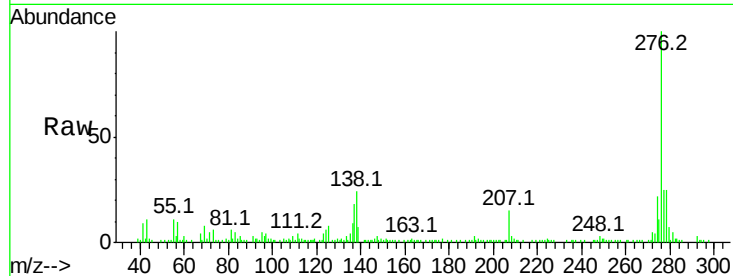
#90
Dibenzo(a,h)anthracene
Concen: 2.10 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.3	14.8	22.2#
279	29.7	19.8	29.6#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.69 ng
RT: 17.23 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.2	28.8
138	26.2	16.0	24.0#

