

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093222.D
 Acq On : 27 Feb 2017 23:24
 Operator : SJ/MA
 Sample : I1997-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 2/28/2017 2:35:16 PM

Quant Time: Feb 28 01:19:17 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	170611	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	660546	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	304173	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	495244	20.00	ng	0.00
75) Chrysene-d12	13.99	240	354379	20.00	ng	0.00
86) Perylene-d12	15.41	264	312583	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1106350	111.25	ng	0.01
7) Phenol-d6	6.48	99	1473795	115.18	ng	0.00
23) Nitrobenzene-d5	7.39	82	917639	77.36	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	216594	98.45	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1420345	84.60	ng	0.00
78) Terphenyl-d14	12.93	244	959616	63.63	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	464800	22.69	ng	99
57) Fluorene	10.41	166	45313m	2.47	ng	
70) Phenanthrene	11.37	178	601216	21.19	ng	97
71) Anthracene	11.41	178	129787	4.55	ng	97
74) Fluoranthene	12.56	202	590863	20.19	ng	95
77) Pyrene	12.79	202	580963	21.91	ng	99
80) Benzo(a)anthracene	13.97	228	247920m	11.44	ng	
82) Chrysene	14.01	228	216975m	10.69	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	98270	6.25	ng	95
87) Benzo(b)fluoranthene	15.00	252	241571m	11.74	ng	
88) Benzo(k)fluoranthene	15.01	252	91182m	5.13	ng	
89) Benzo(a)pyrene	15.35	252	190298	10.69	ng	# 97
90) Dibenzo(a,h)anthracene	16.81	278	32283m	2.24	ng	
91) Benzo(a,h,i)perylene	17.22	276	101219	6.97	ng	# 92

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

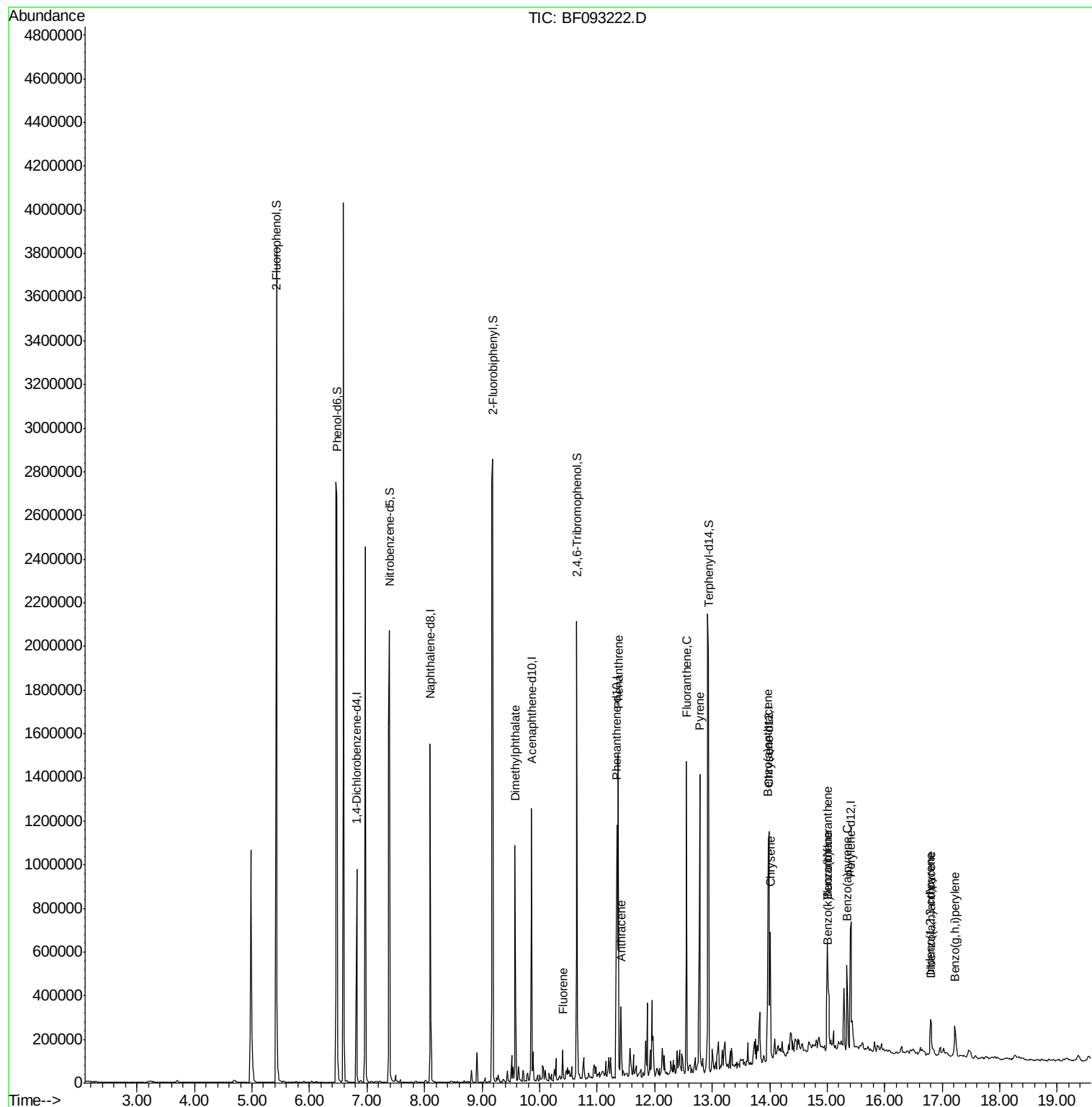
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093222.D
Acq On : 27 Feb 2017 23:24
Operator : SJ/MA
Sample : I1997-11
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ALS Vial : 11 Sample Multiplier: 1

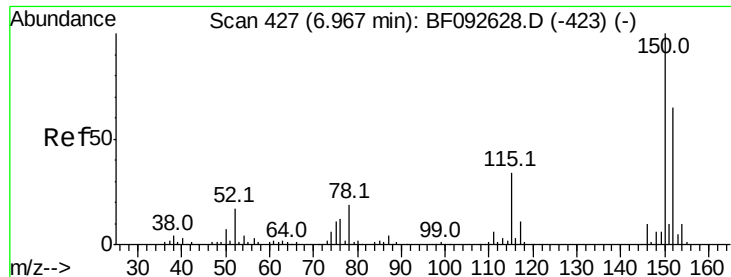
Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-1

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Quant Time: Feb 28 01:19:17 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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#1

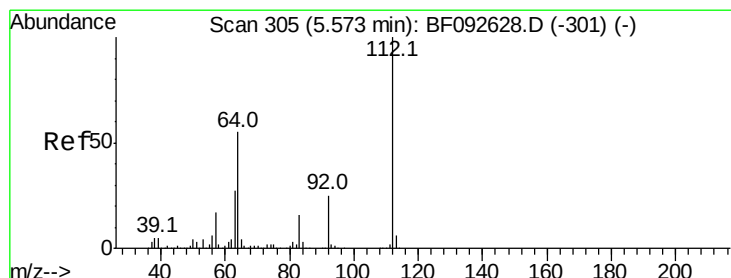
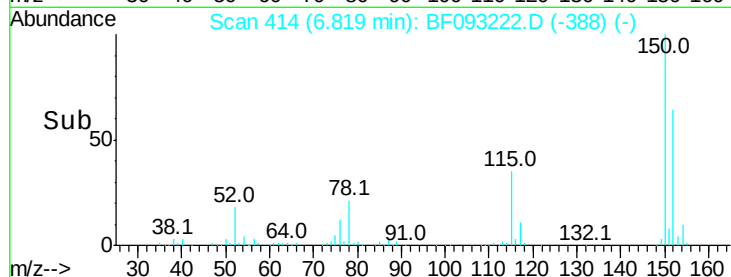
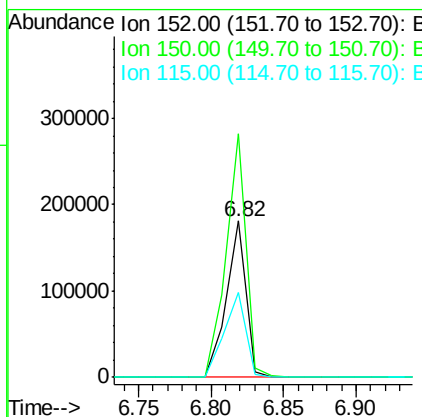
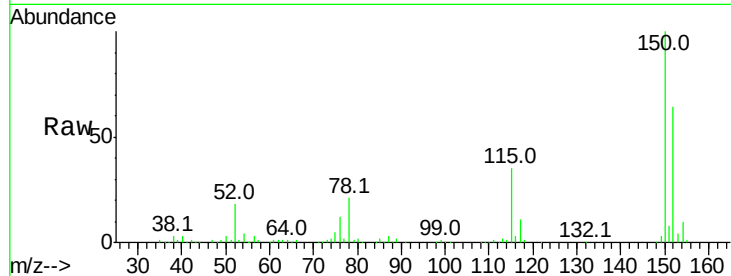
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.9	187.3
115	54.8	46.0	69.0

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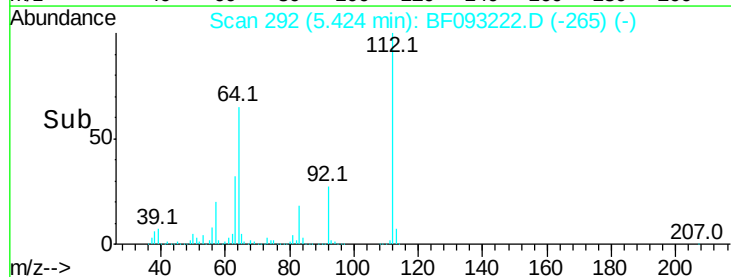
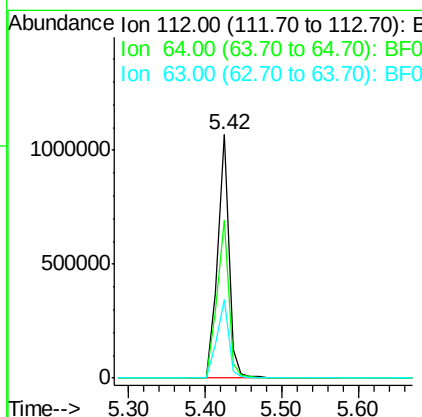
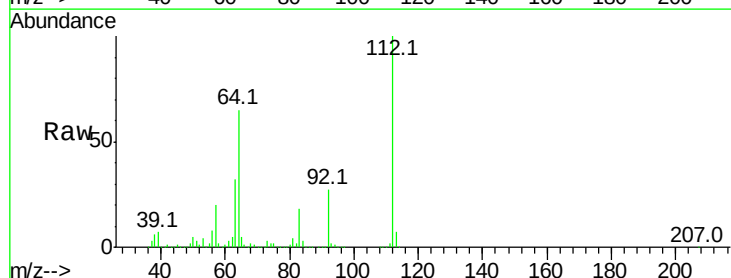
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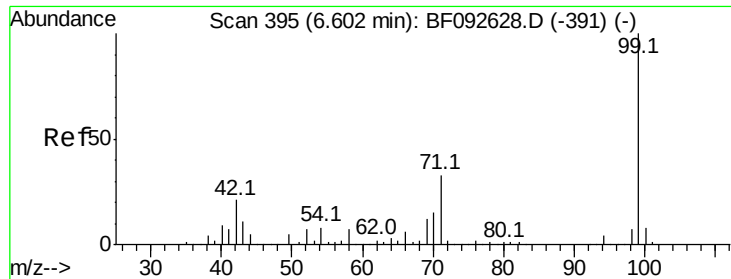


#5

2-Fluorophenol
Concen: 111.25 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	46.1	69.1
63	32.1	23.8	35.6





#7

Phenol-d6

Concen: 115.18 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Instrument :

BNA_F

ClientSampled :

E2-B1E-WSW-1

Tot Ion: 99 Resp: 1473795

Ion Ratio Lower Upper

99 100

42 15.0 15.6 23.4#

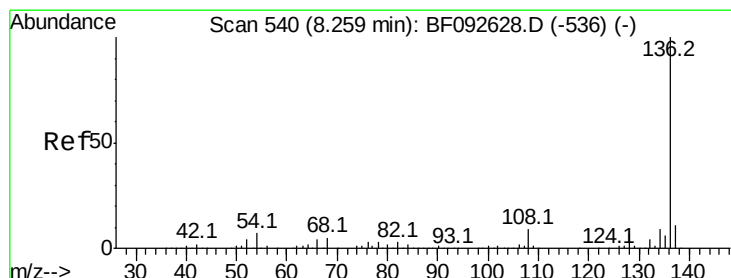
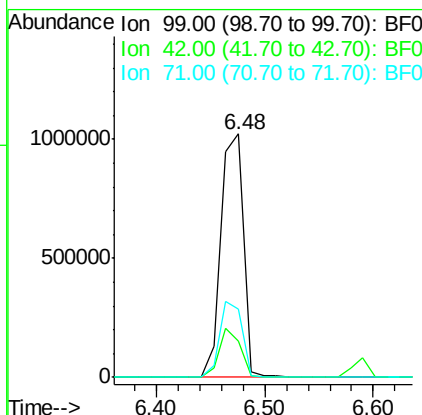
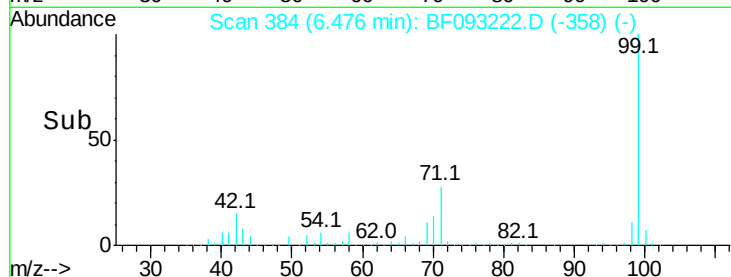
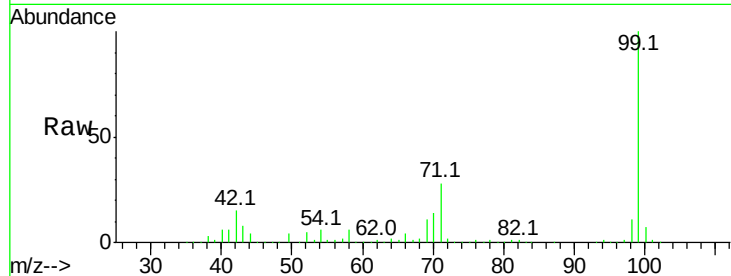
71 28.1 27.5 41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Tgt Ion:136 Resp: 660546

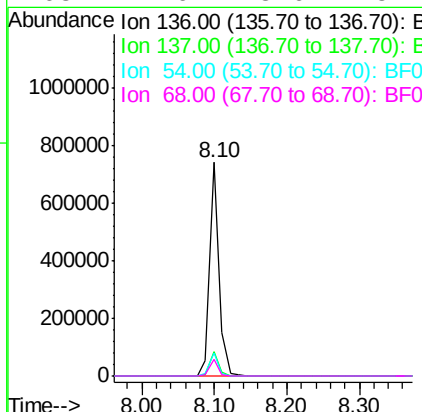
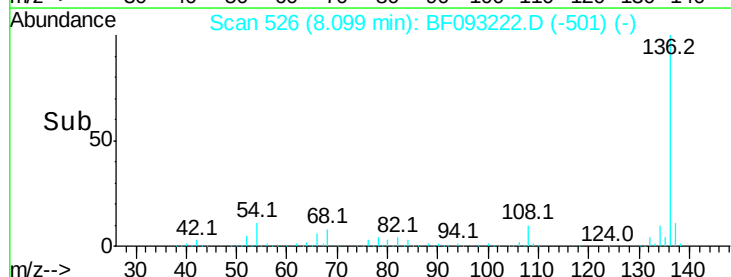
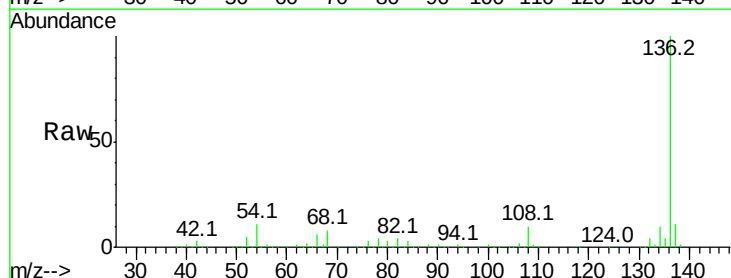
Ion Ratio Lower Upper

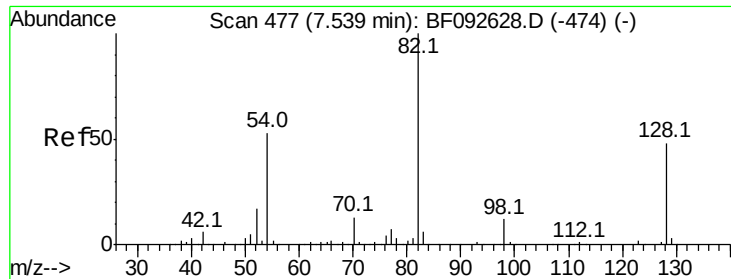
136 100

137 11.3 8.4 12.6

54 10.8 4.5 6.7#

68 7.6 3.6 5.4#





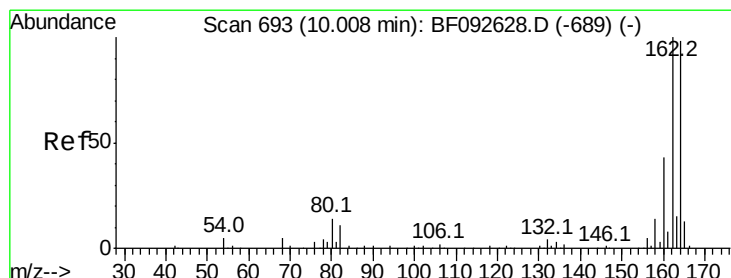
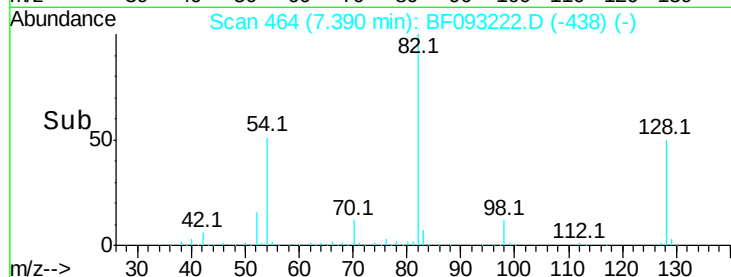
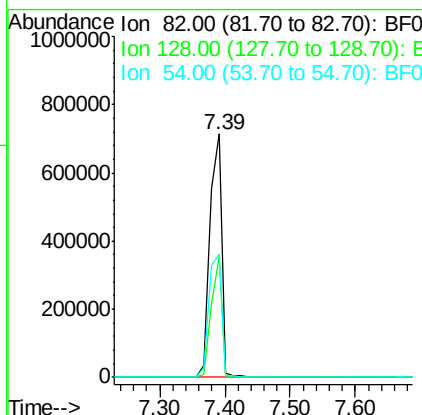
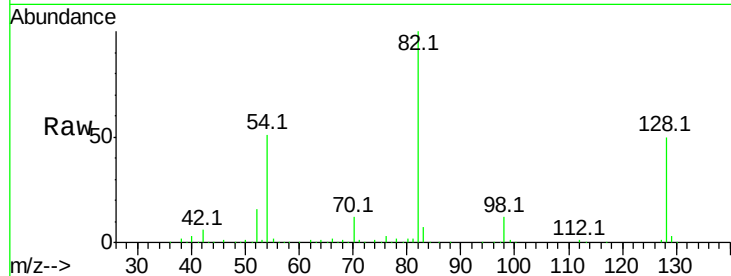
#23
 Nitrobenzene-d5
 Concen: 77.36 ng
 RT: 7.39 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: BF093222.D
 Acq: 27 Feb 2017 23:24

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	34.6	52.0
54	50.6	39.5	59.3

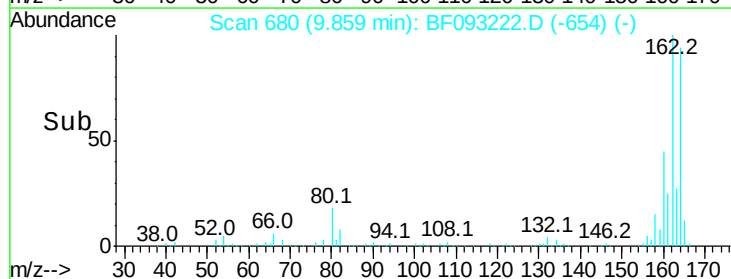
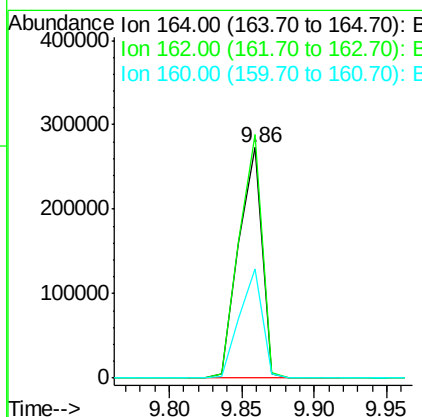
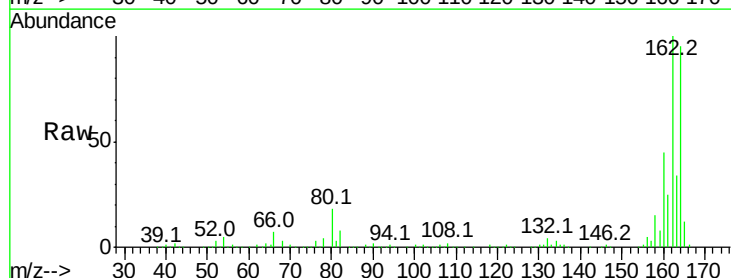
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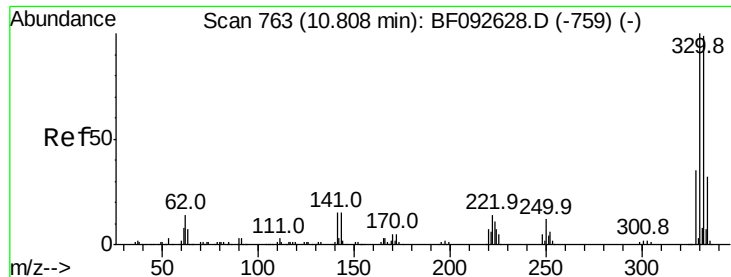
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BF093222.D
 Acq: 27 Feb 2017 23:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	80.2	120.2
160	47.4	36.9	55.3





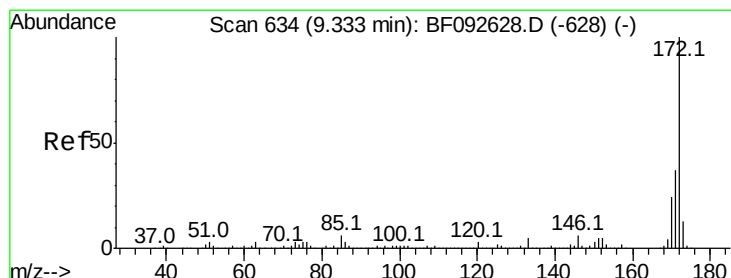
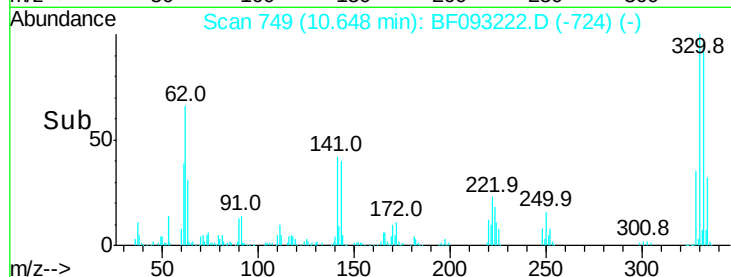
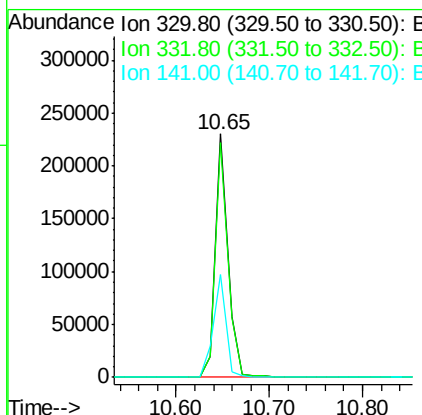
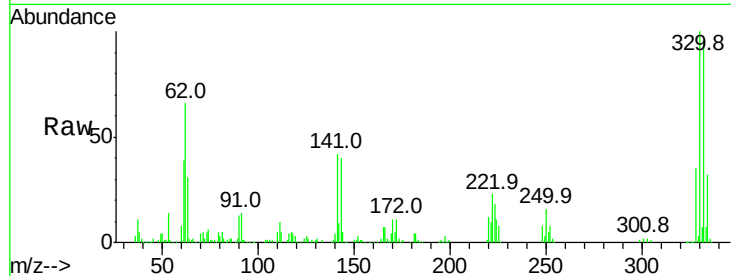
#41
 2,4,6-Tribromophenol
 Concen: 98.45 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF093222.D
 Acq: 27 Feb 2017 23:24

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	42.7	34.1	51.1

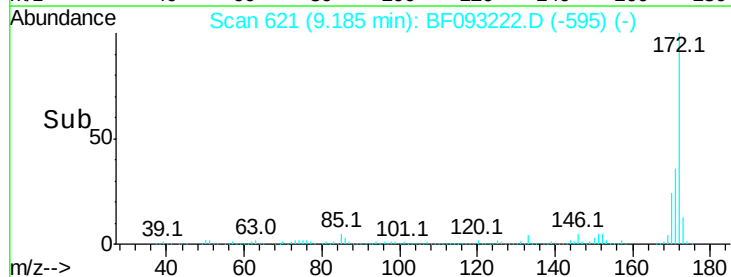
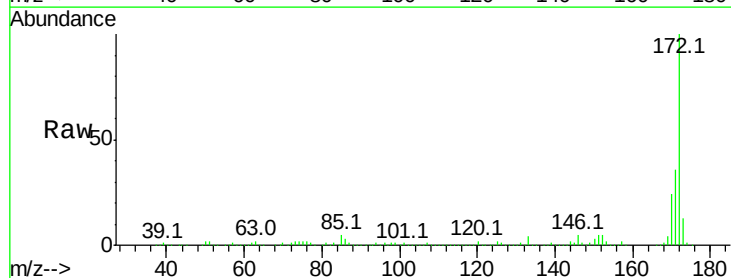
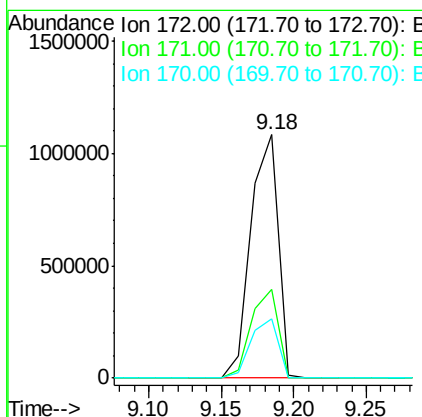
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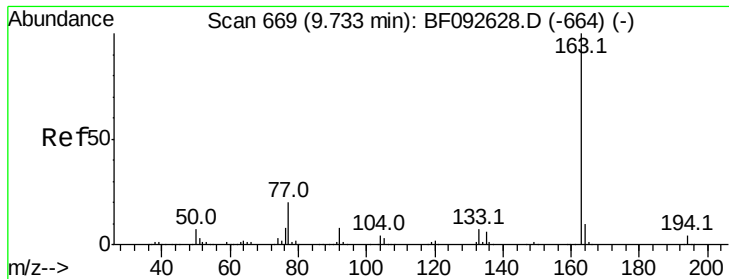
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#44
 2-Fluorobiphenyl
 Concen: 84.60 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF093222.D
 Acq: 27 Feb 2017 23:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.4	20.2	30.4





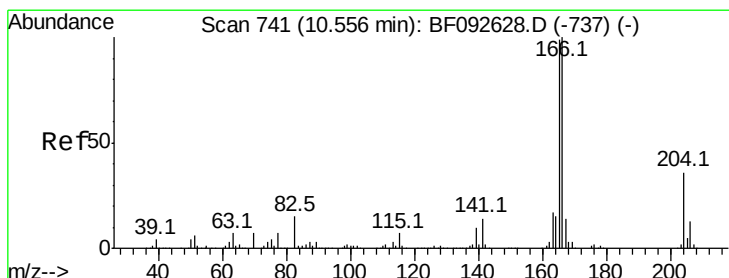
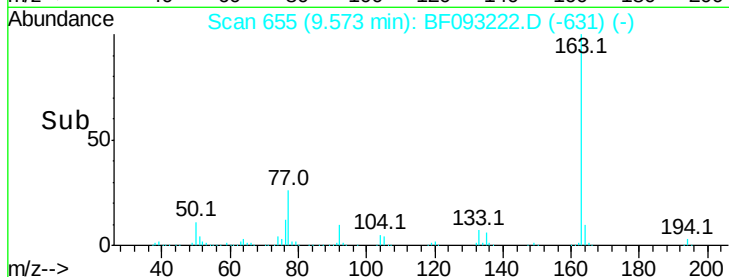
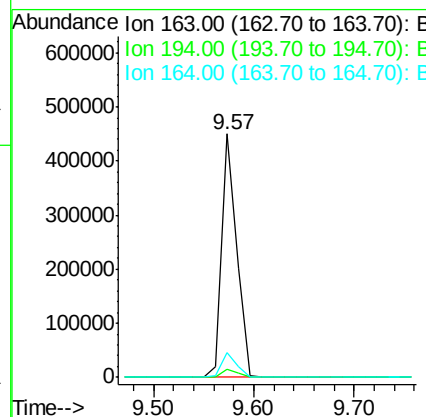
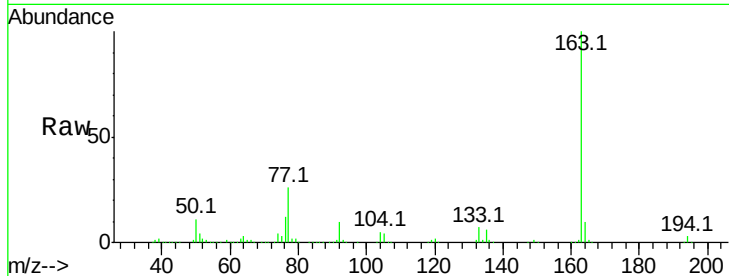
#49
Dimethylphthalate
Concen: 22.69 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.02 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	464800		
194	3.2		3.0	4.4
164	10.3		8.0	12.0

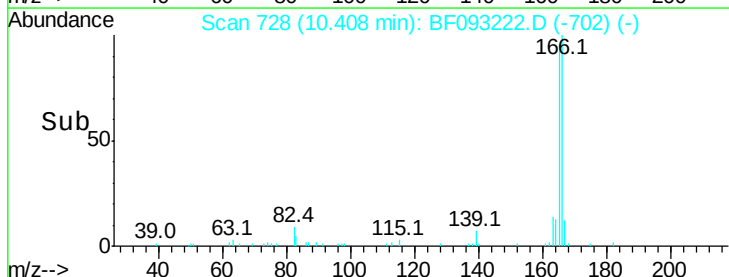
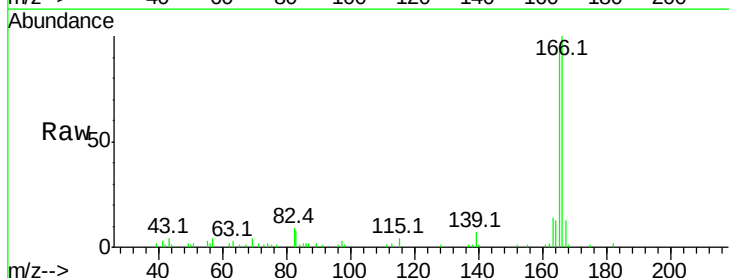
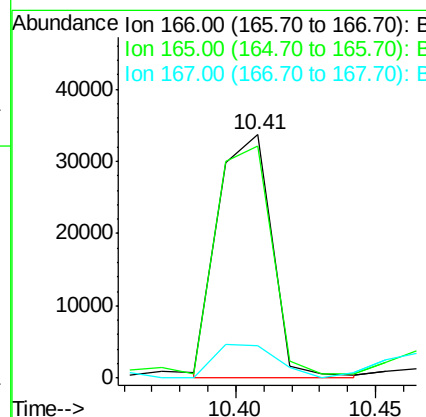
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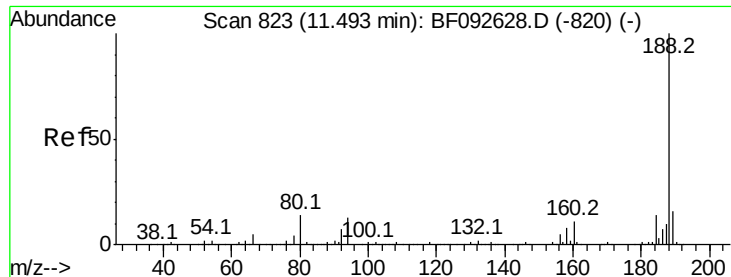
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#57
Fluorene
Concen: 2.47 ng m
RT: 10.41 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	45313		
165	95.1		77.8	116.8
167	13.2		10.8	16.2





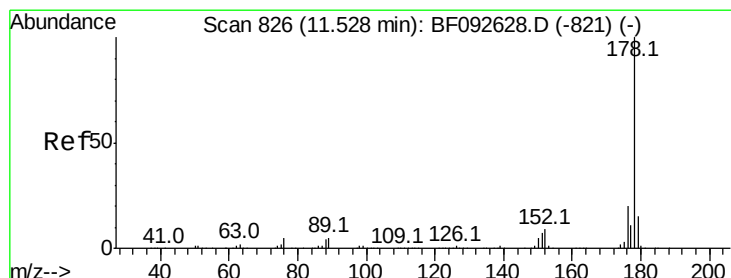
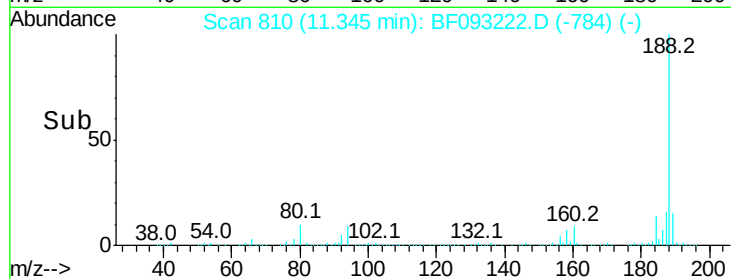
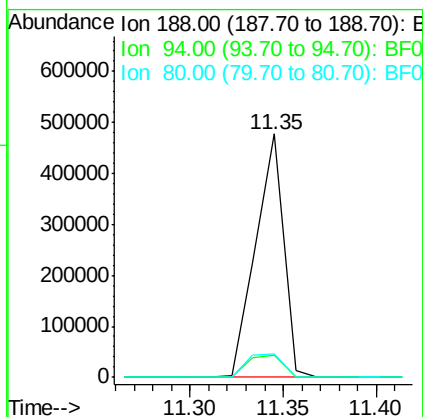
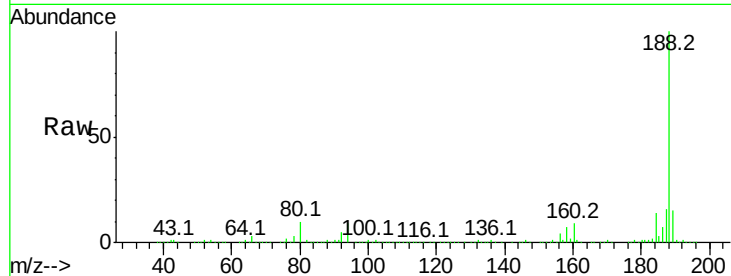
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	495244		
94	9.0	10.0	15.0#	
80	9.6	11.2	16.8#	

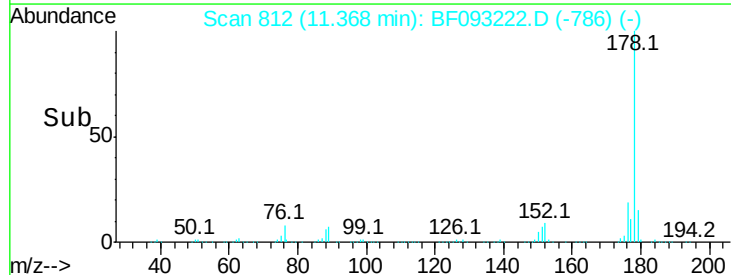
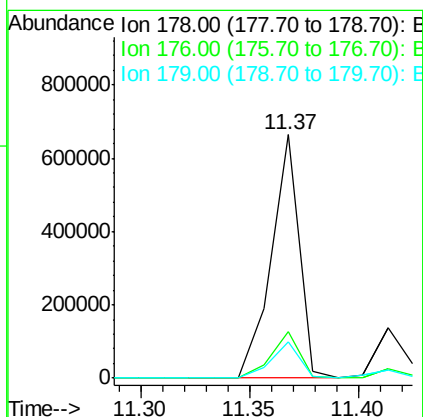
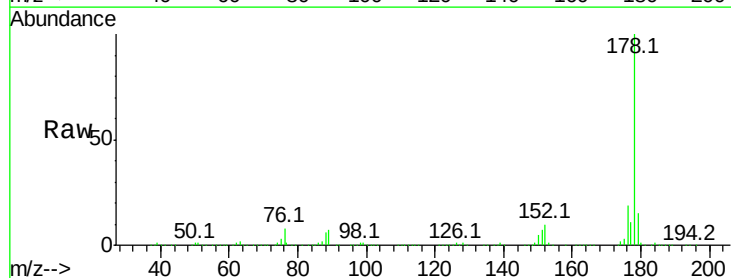
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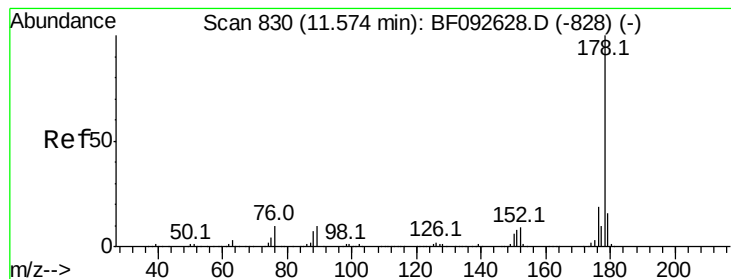
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#70
Phenanthrene
Concen: 21.19 ng
RT: 11.37 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	601216		
176	19.3	16.6	25.0	
179	15.0	12.8	19.2	





#71

Anthracene

Concen: 4.55 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Instrument :

BNA_F

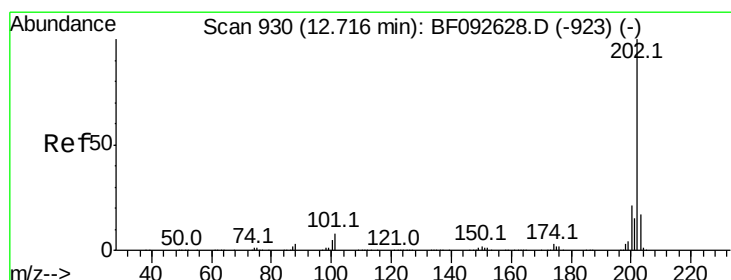
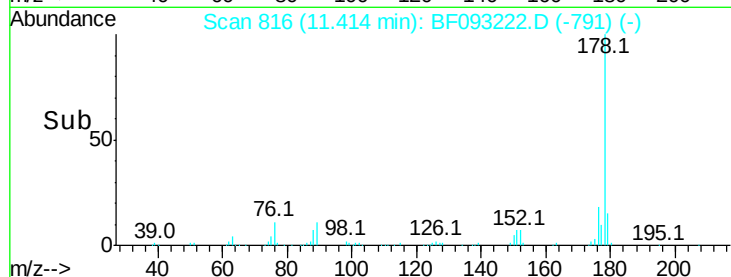
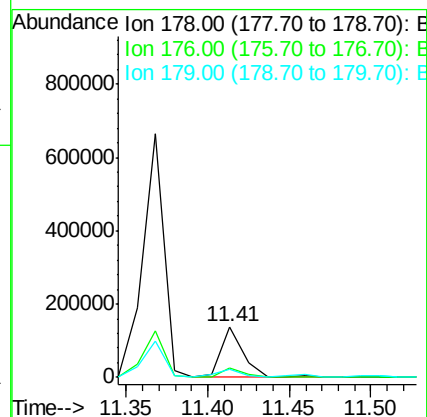
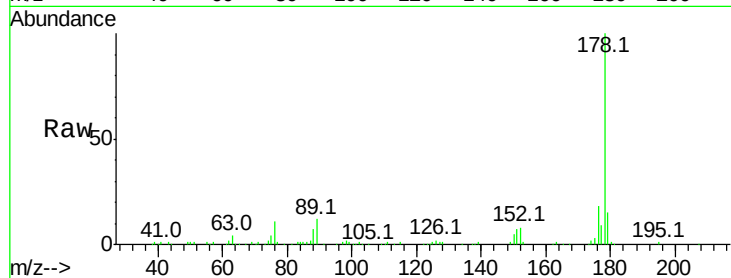
ClientSampleId :

E2-B1E-WSW-1

Tot Ion:	178	Resp:	129787
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.9	23.9
179	15.3	13.2	19.8

Manual Integrations
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#74

Fluoranthene

Concen: 20.19 ng

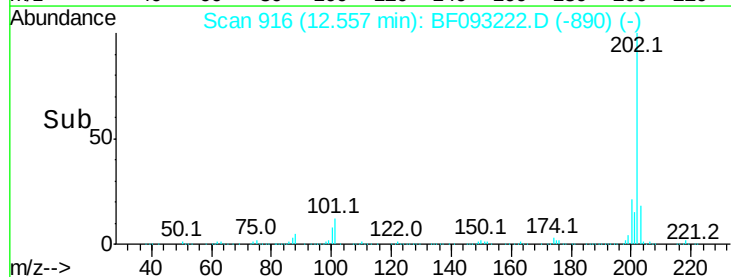
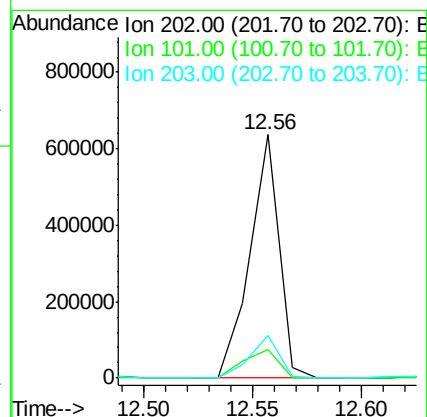
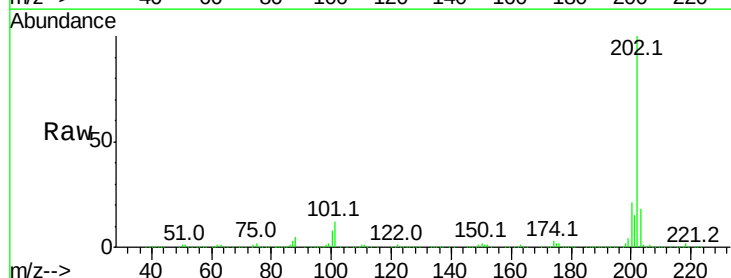
RT: 12.56 min Scan# 916

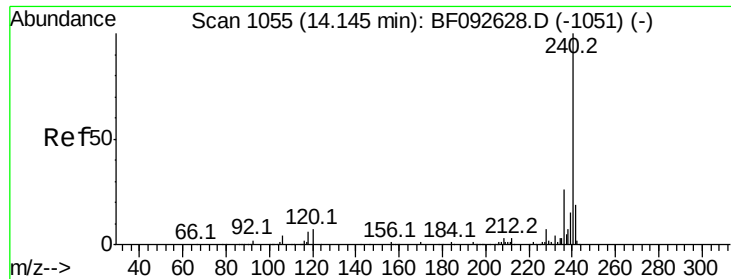
Delta R.T. 0.00 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Tgt Ion:	202	Resp:	590863
Ion Ratio	Lower	Upper	
202	100		
101	11.6	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: BF093222.D

Acq: 27 Feb 2017 23:24

Instrument :

BNA_F

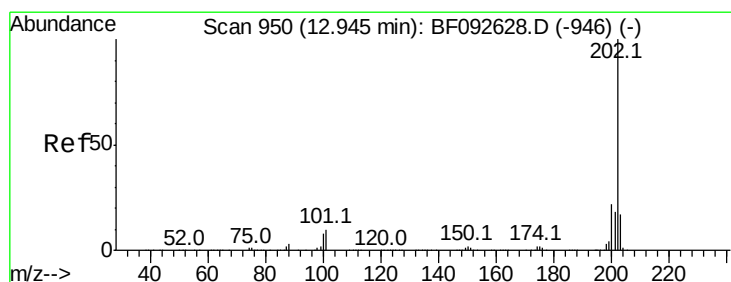
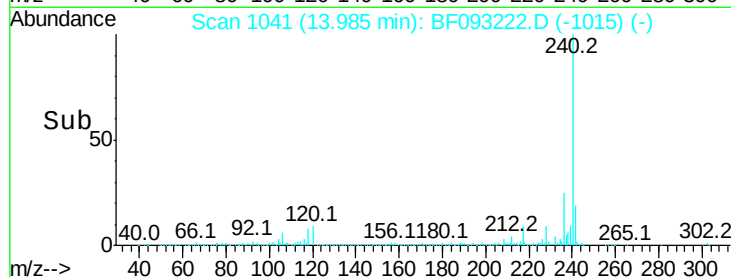
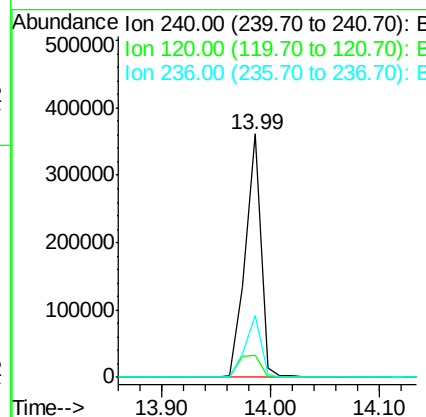
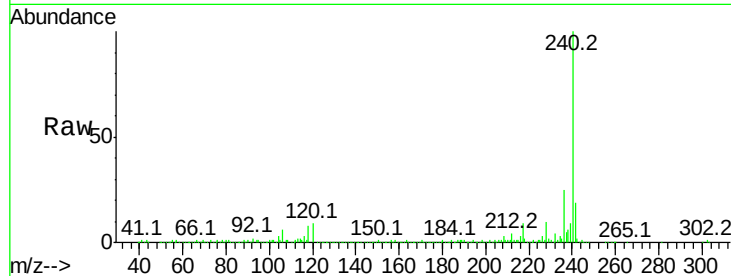
ClientSampleId :

E2-B1E-WSW-1

Tot Ion:	240	Resp:	354379
Ion Ratio	Lower	Upper	
240	100		
120	9.0	12.9	19.3#
236	25.2	20.9	31.3

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#77

Pyrene

Concen: 21.91 ng

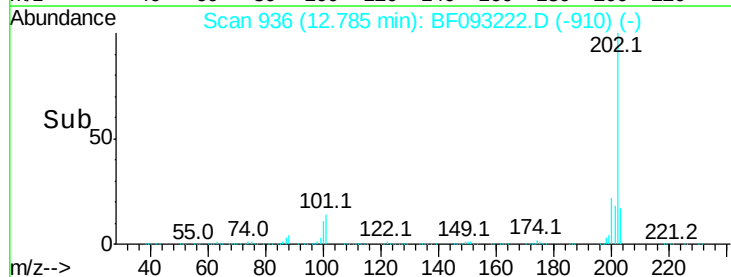
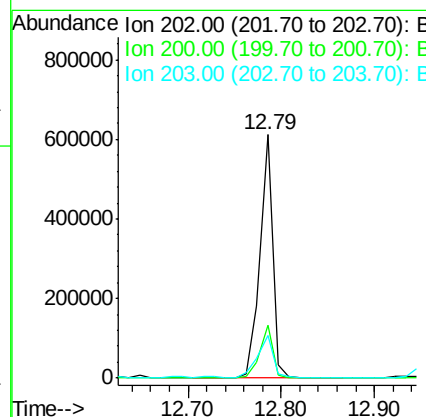
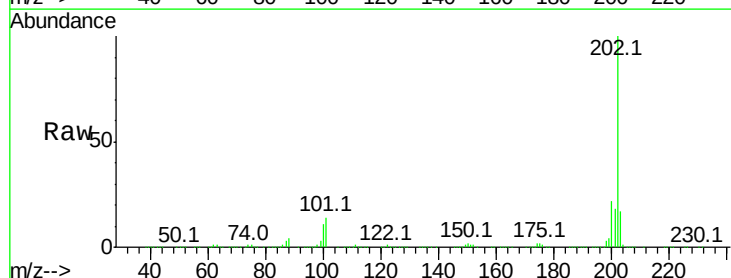
RT: 12.79 min Scan# 936

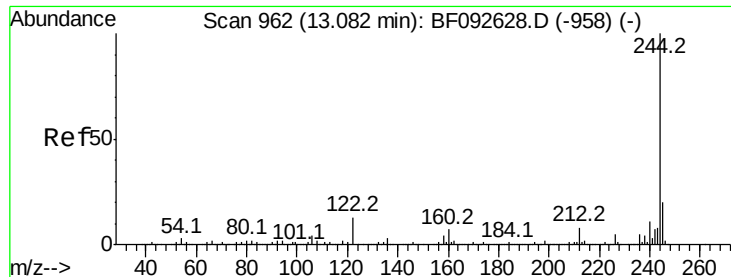
Delta R.T. 0.00 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Tgt Ion:	202	Resp:	580963
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.7	26.5
203	17.4	14.7	22.1





#78

Terphenyl-d14

Concen: 63.63 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Instrument :

BNA_F

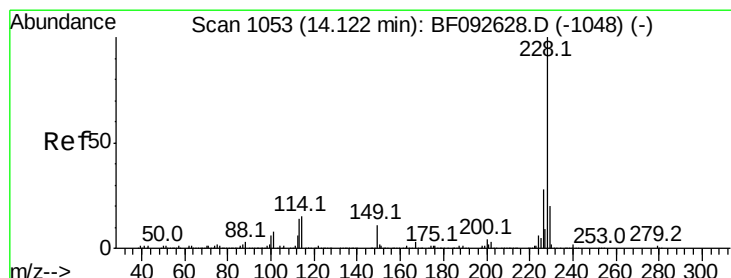
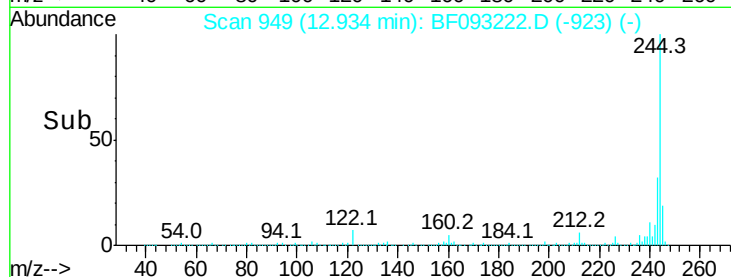
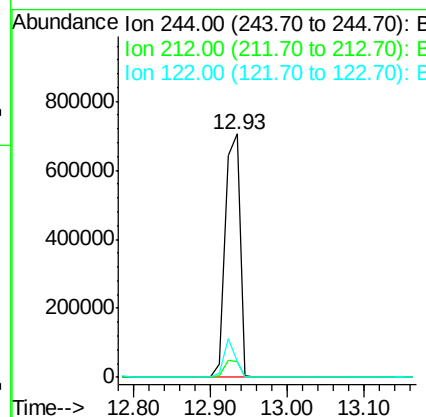
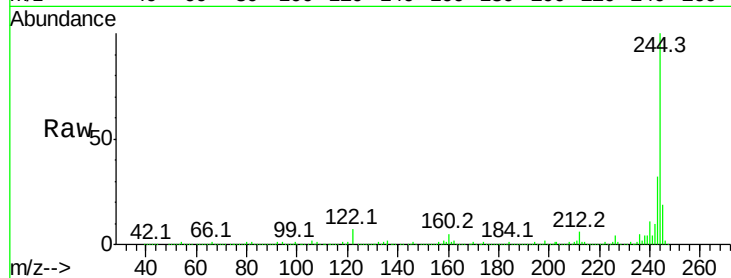
ClientSampleId :

E2-B1E-WSW-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.2	9.2
122	6.6	11.4	17.2#

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#80

Benzo(a)anthracene

Concen: 11.44 ng m

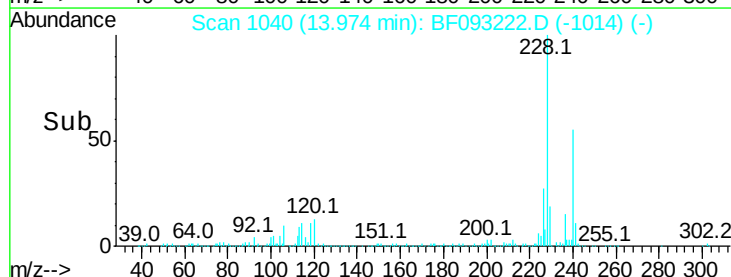
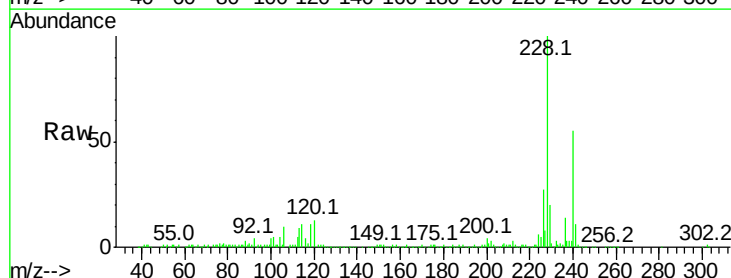
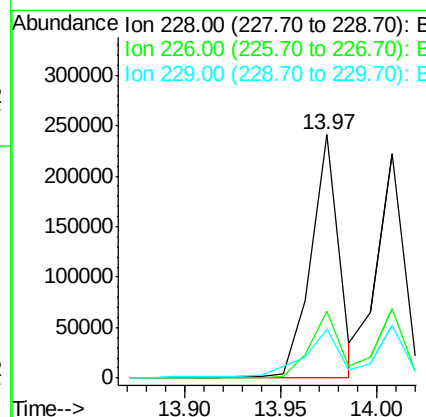
RT: 13.97 min Scan# 1040

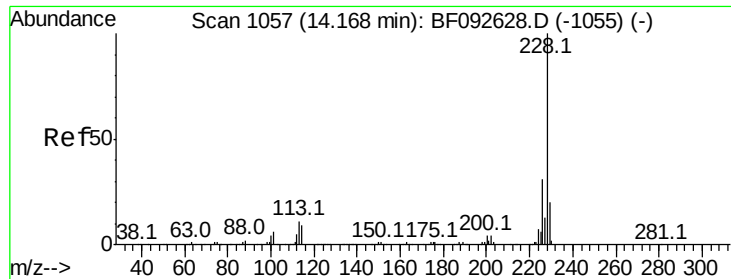
Delta R.T. 0.00 min

Lab File: BF093222.D

Acq: 27 Feb 2017 23:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.4	33.6
229	20.0	16.2	24.4





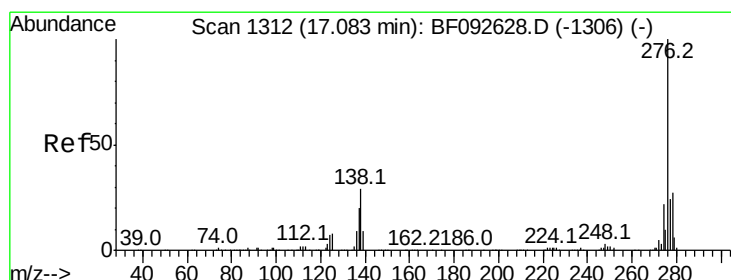
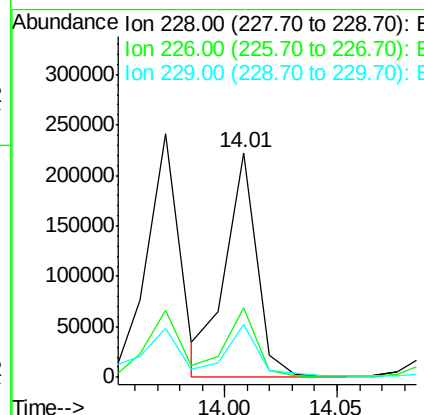
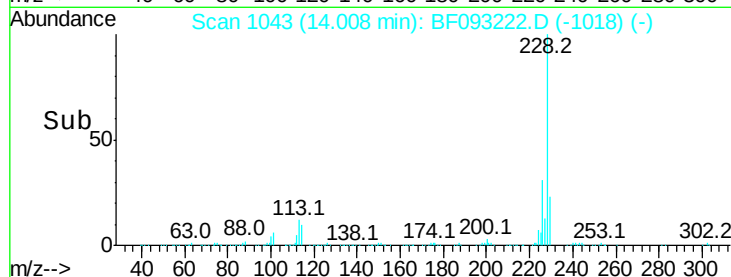
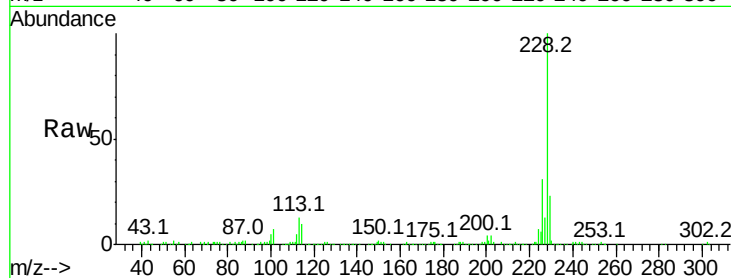
#82
Chrysene
Concen: 10.69 ng/mL
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

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

Tot Ion:	228	Resp:	216975
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.4	38.0
229	23.4	16.2	24.2

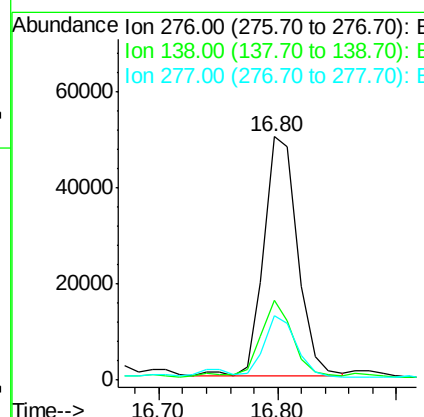
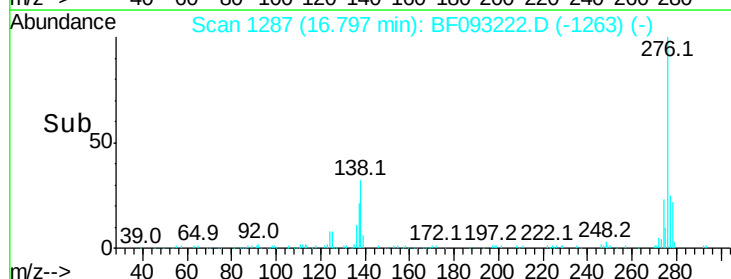
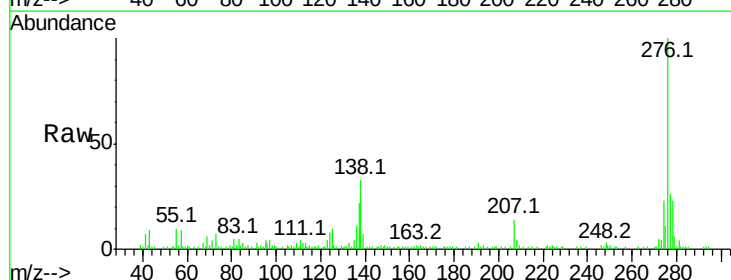
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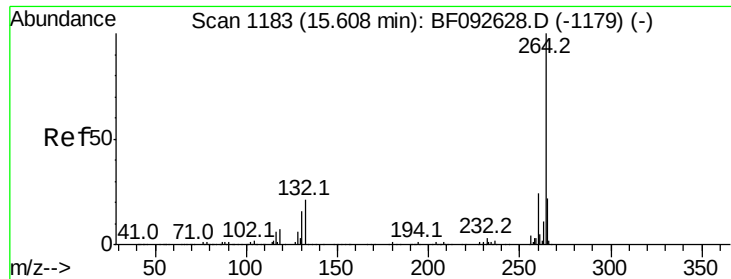
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.25 ng/mL
RT: 16.80 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion:	276	Resp:	98270
Ion Ratio	Lower	Upper	
276	100		
138	31.9	21.8	32.6
277	25.5	20.2	30.4





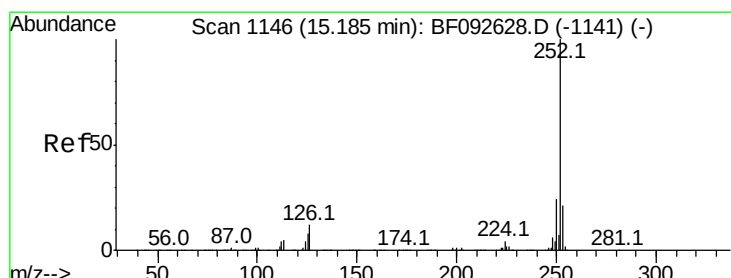
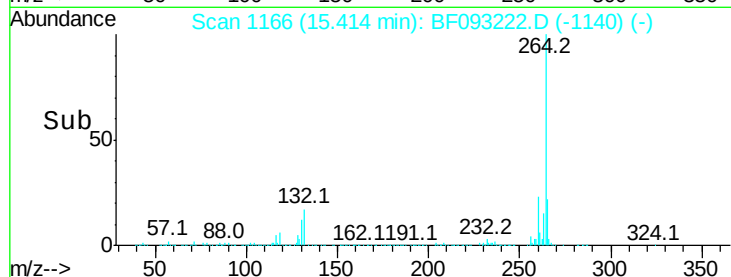
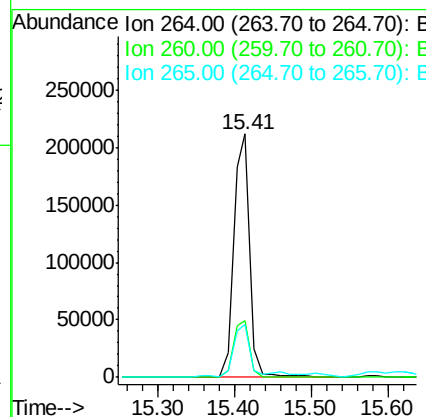
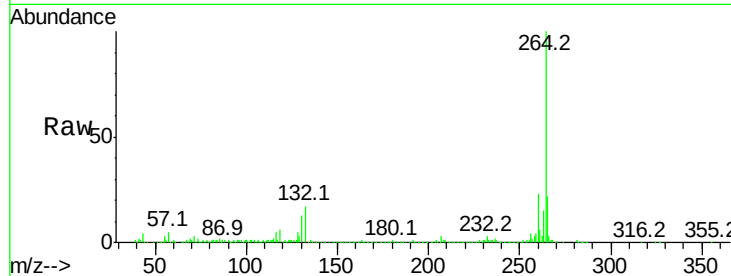
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.7	17.4	26.0

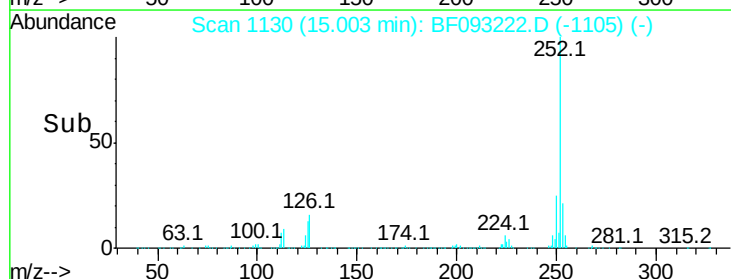
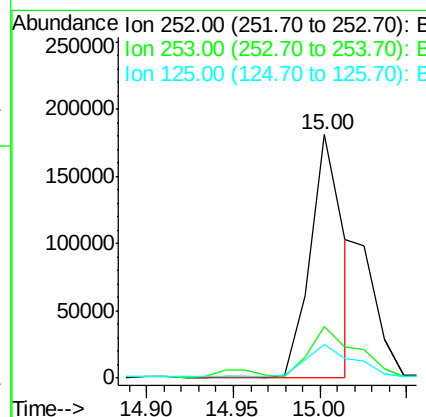
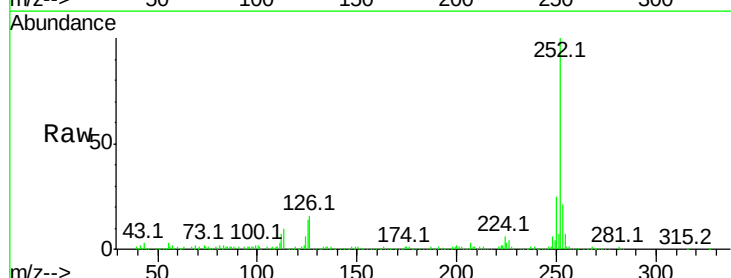
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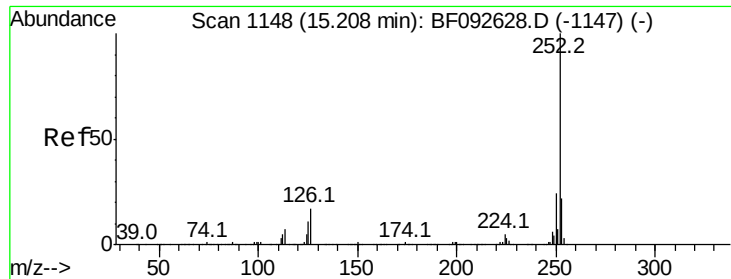
mohammad
2/28/2017 2:35:16 PM



#87
Benzo(b)fluoranthene
Concen: 11.74 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.4
125	13.9	9.8	14.6





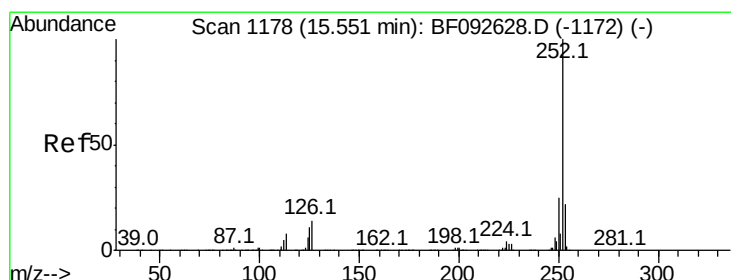
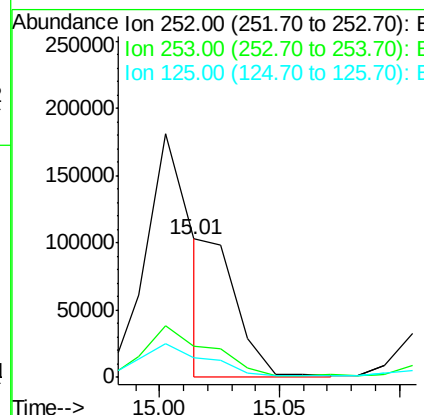
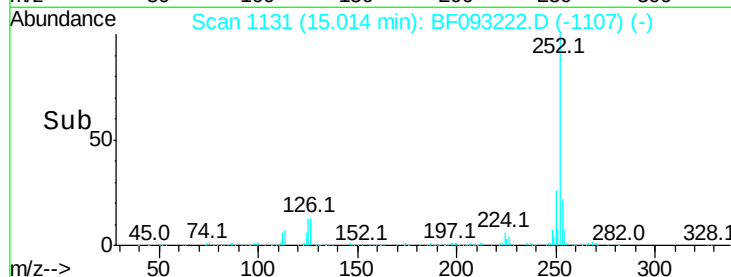
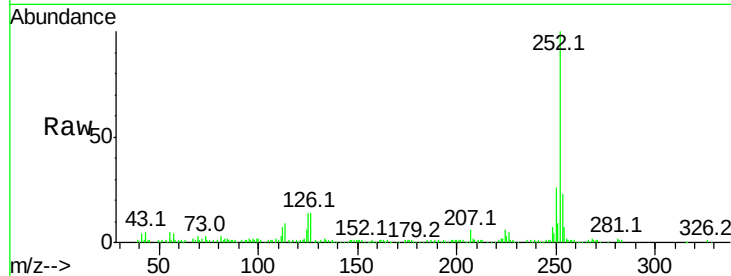
#88
Benzo(k)fluoranthene
Concen: 5.13 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	13.7	8.9	13.3#

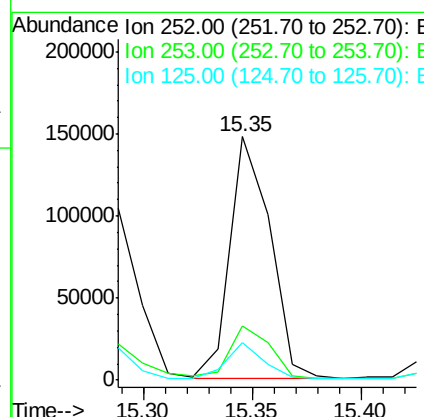
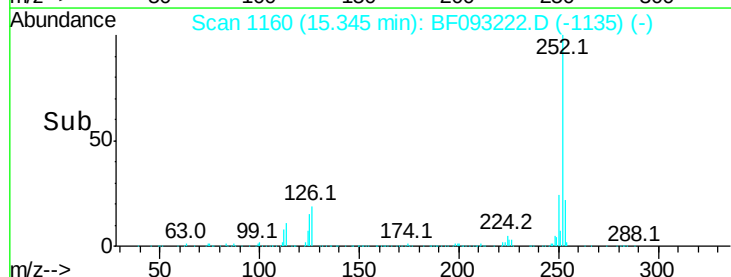
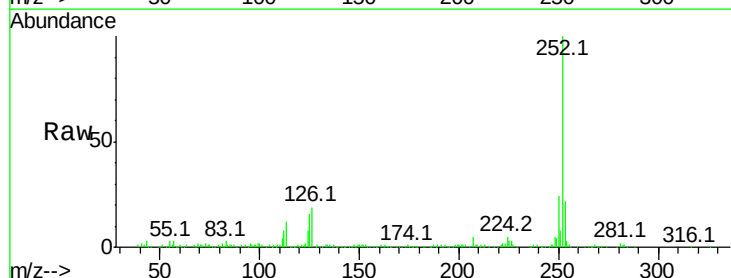
Manual Integrations
APPROVED

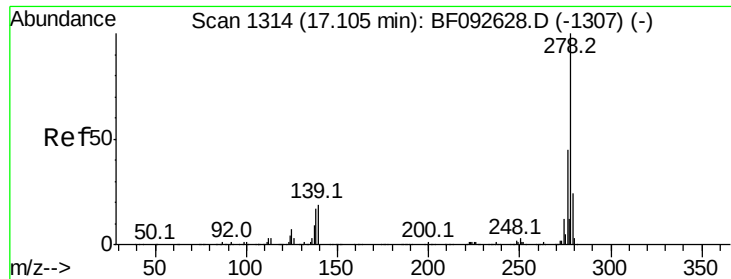
mohammad
2/28/2017 2:35:16 PM



#89
Benzo(a)pyrene
Concen: 10.69 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	15.5	10.0	15.0#





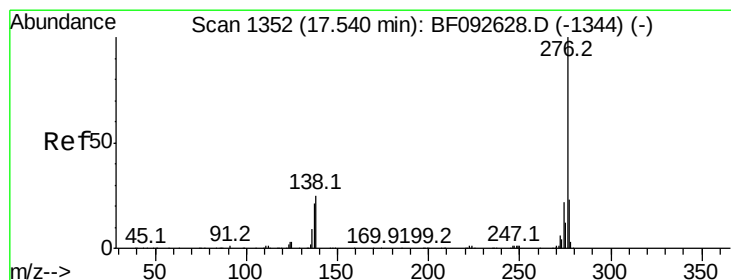
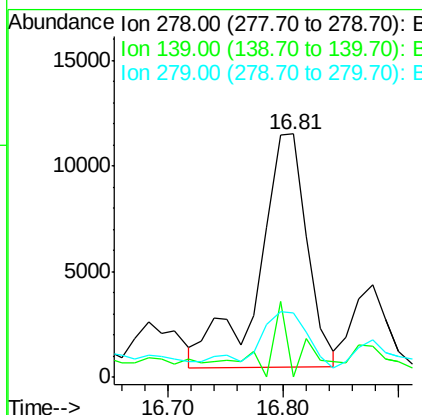
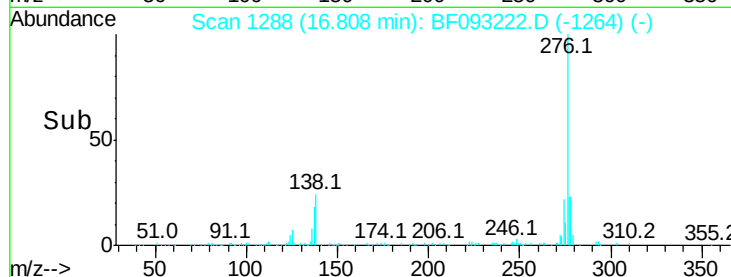
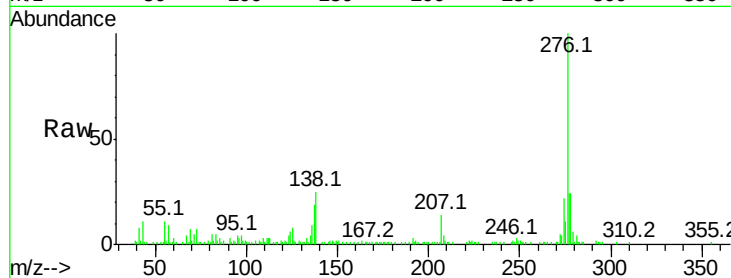
#90
Dibenzo(a,h)anthracene
Concen: 2.24 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	26.5	19.8	29.6

Manual Integrations
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2/28/2017 2:35:16 PM



#91
Benzo(g,h,i)perylene
Concen: 6.97 ng
RT: 17.22 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF093222.D
Acq: 27 Feb 2017 23:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.2	28.8
138	27.7	16.0	24.0#

