

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093220.D
 Acq On : 27 Feb 2017 22:29
 Operator : SJ/MA
 Sample : I1997-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-WSW-2

Manual Integrations
 APPROVED

mohammad
 2/28/2017 2:29:00 PM

Quant Time: Feb 28 01:13:18 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	168062	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	640576	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	309033	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	505245	20.00	ng	0.00
75) Chrysene-d12	13.99	240	356151	20.00	ng	0.00
86) Perylene-d12	15.41	264	307643	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1045583	106.74	ng	0.01
7) Phenol-d6	6.46	99	1362989	108.14	ng	-0.01
23) Nitrobenzene-d5	7.39	82	916920	79.71	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	218162	97.61	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1443419	84.62	ng	0.00
78) Terphenyl-d14	12.93	244	1013368	66.86	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.12	128	130699	4.02	ng	98
37) 2-Methylnaphthalene	8.82	142	48049	2.30	ng	94
49) Dimethylphthalate	9.57	163	501967	24.12	ng	99
70) Phenanthrene	11.37	178	381341	13.17	ng	98
71) Anthracene	11.41	178	83491	2.87	ng	98
74) Fluoranthene	12.56	202	642190	21.51	ng	98
77) Pyrene	12.78	202	614424	23.05	ng	99
80) Benzo(a)anthracene	13.97	228	297617m	13.66	ng	
82) Chrysene	14.01	228	314349m	15.41	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	161945	10.25	ng	97
87) Benzo(b)fluoranthene	15.00	252	352554m	17.41	ng	
88) Benzo(k)fluoranthene	15.01	252	171378m	9.80	ng	
89) Benzo(a)pyrene	15.36	252	283754	16.20	ng	99
90) Dibenzo(a,h)anthracene	16.81	278	40917	2.89	ng	# 81
91) Benzo(a,h,i)perylene	17.23	276	154803	10.82	ng	# 91

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

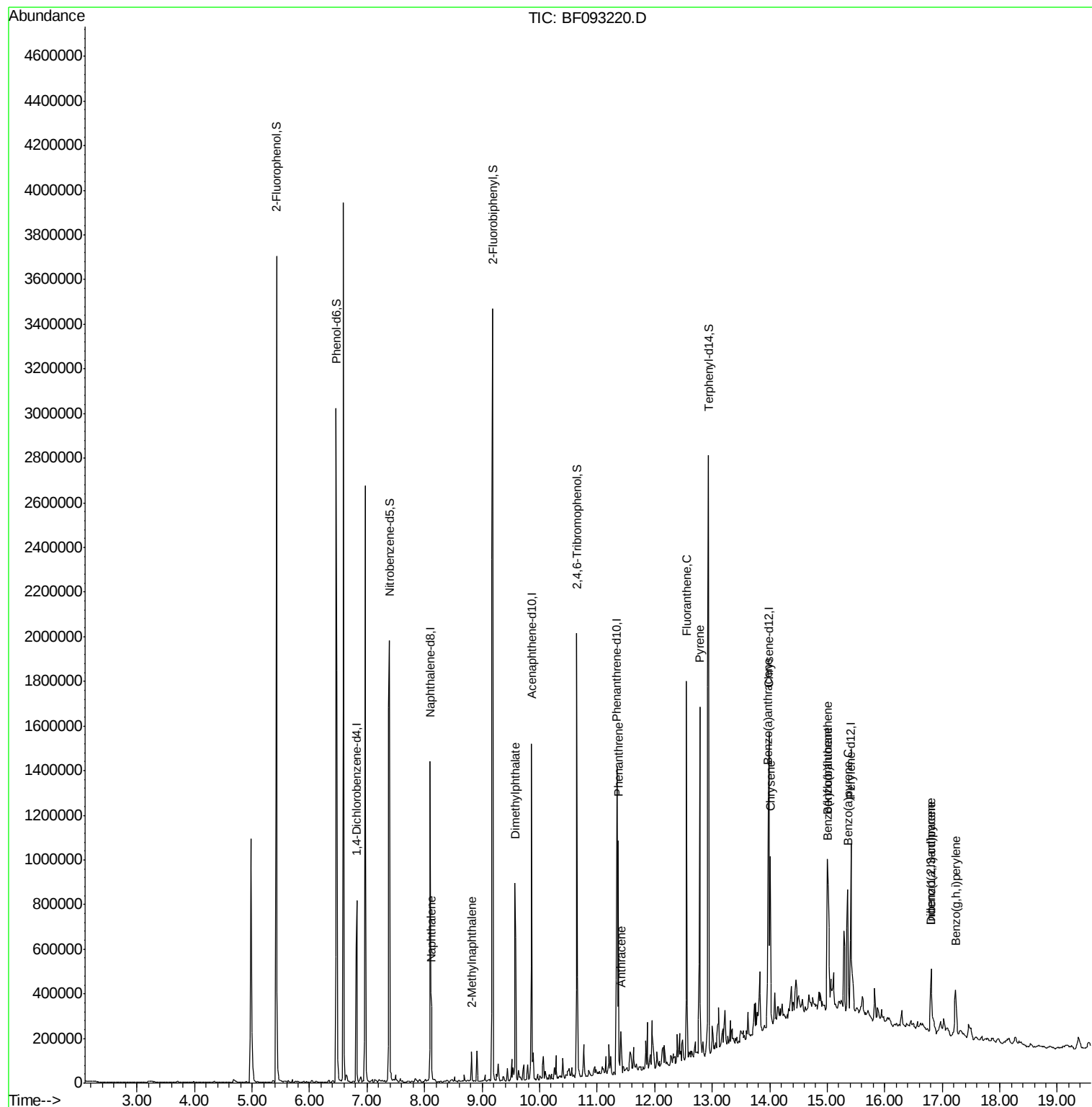
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093220.D
Acq On : 27 Feb 2017 22:29
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E2-B1E-WSW-2

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Quant Time: Feb 28 01:13:18 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

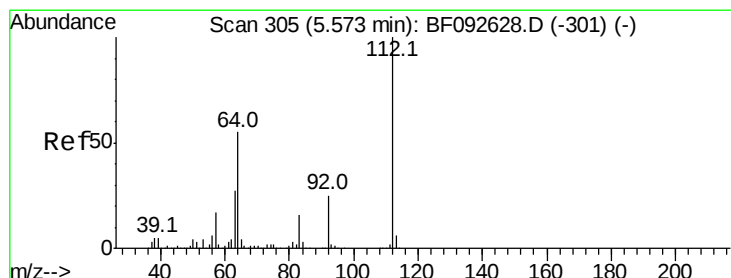
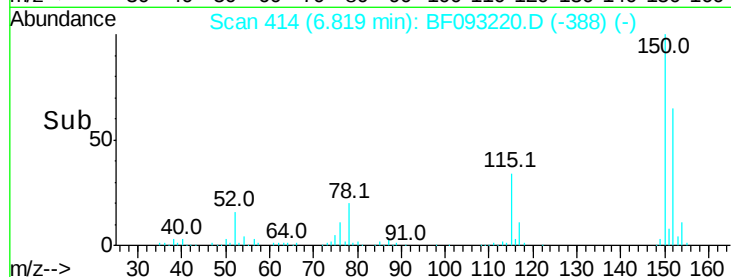
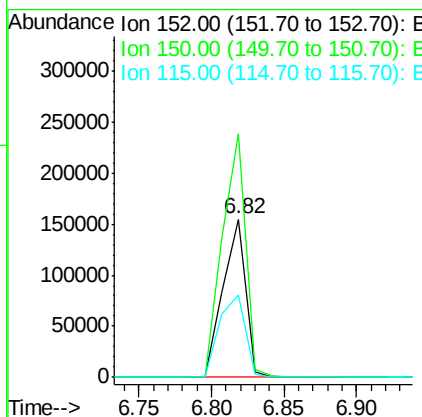
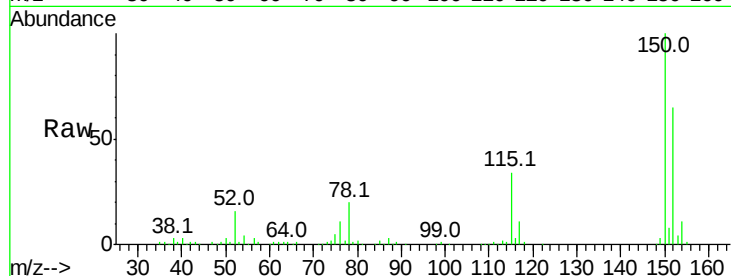
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.9	187.3
115	51.9	46.0	69.0

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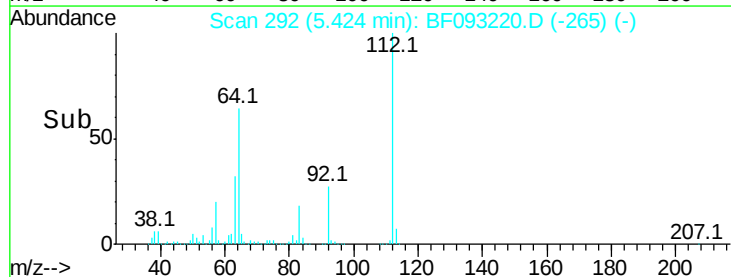
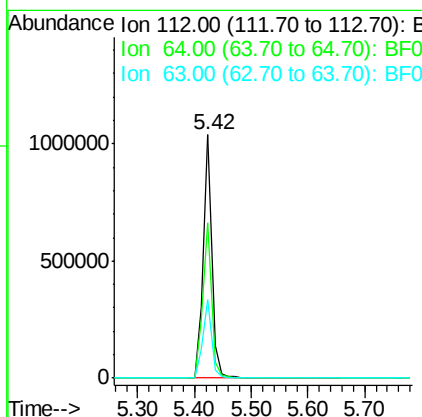
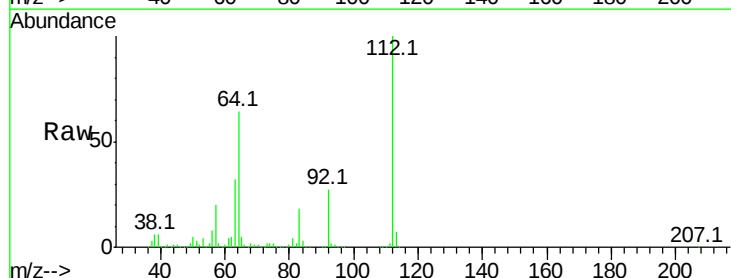
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#5

2-Fluorophenol
Concen: 106.74 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	46.1	69.1
63	32.2	23.8	35.6





#7

Phenol-d6

Concen: 108.14 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF093220.D

Acq: 27 Feb 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-B1E-WSW-2

Tot Ion: 99 Resp: 1362989

Ion Ratio Lower Upper

99 100

42 20.8 15.6 23.4

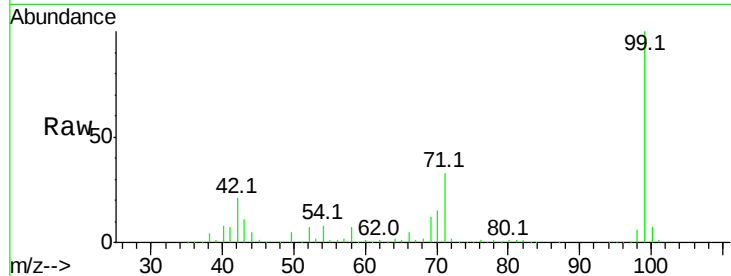
71 33.3 27.5 41.3

Manual Integrations

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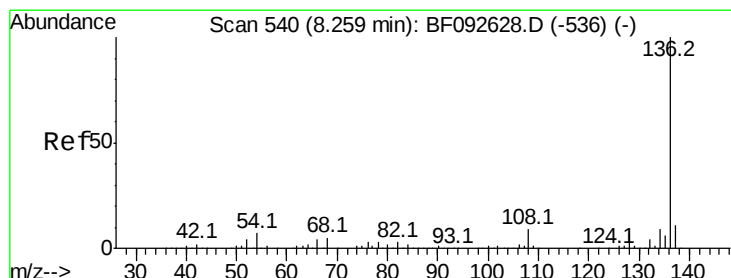
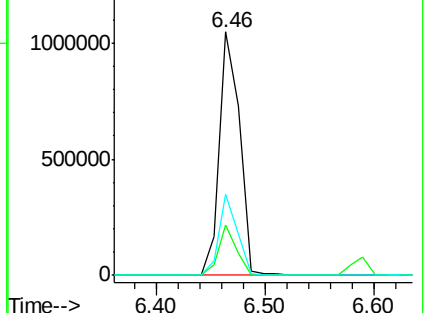
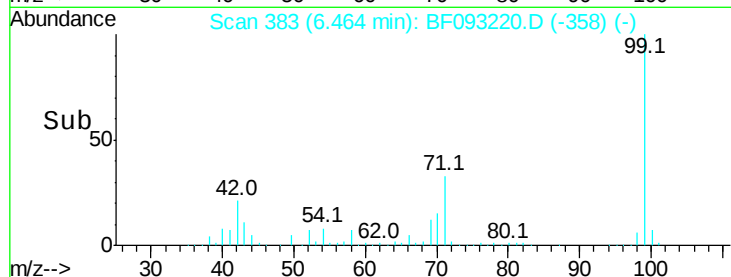
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 8.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF093220.D

Acq: 27 Feb 2017 22:29

Tgt Ion:136 Resp: 640576

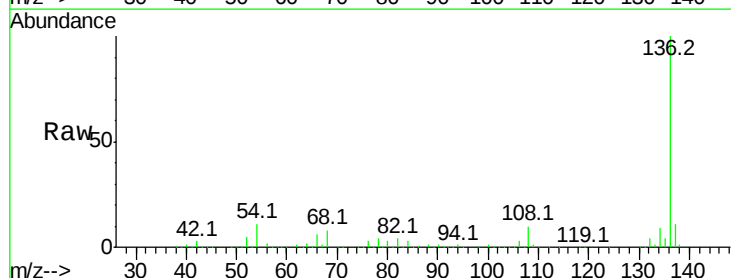
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 11.3 4.5 6.7#

68 7.9 3.6 5.4#

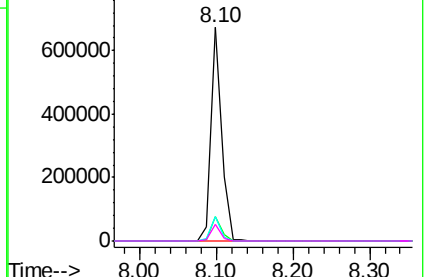
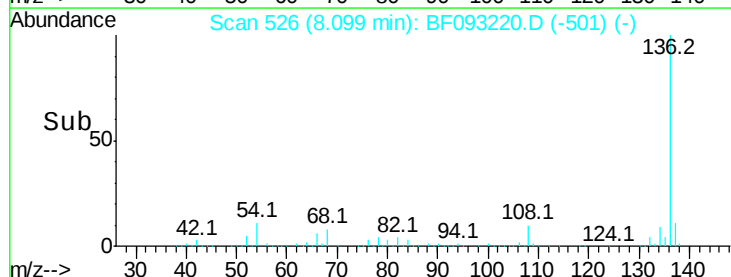


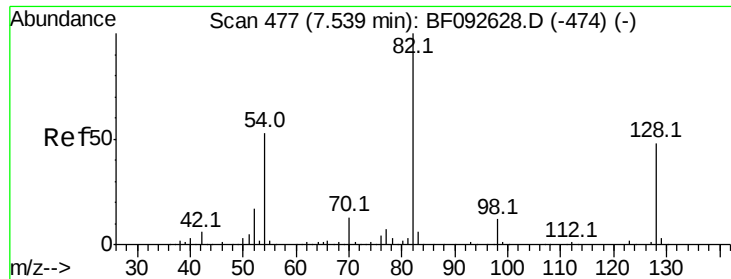
Abundance Ion 136.00 (135.70 to 136.70): E

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





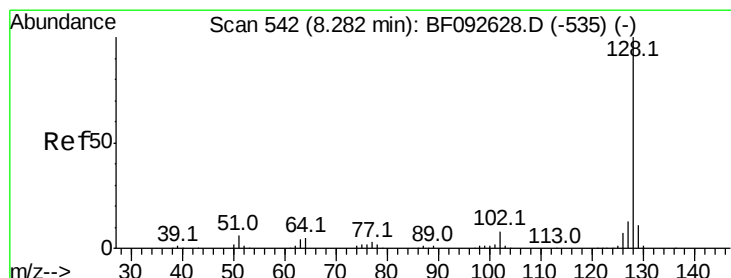
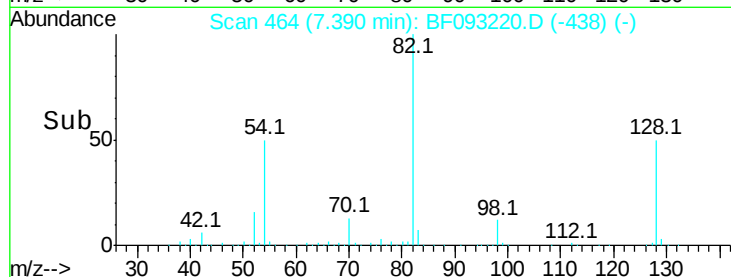
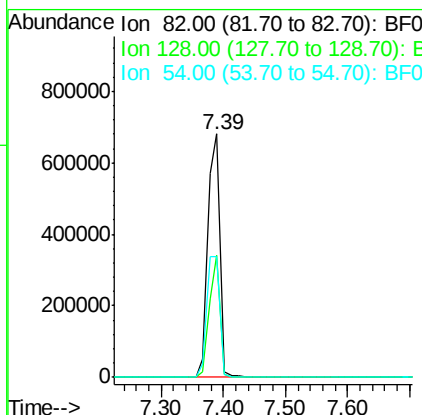
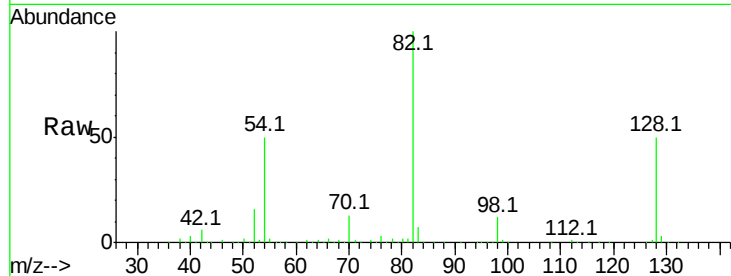
#23
Nitrobenzene-d5
Concen: 79.71 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.2	34.6	52.0
54	49.6	39.5	59.3

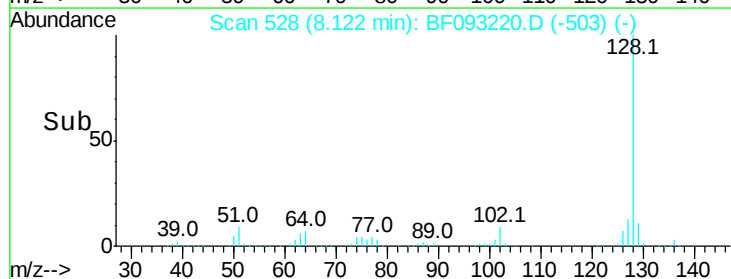
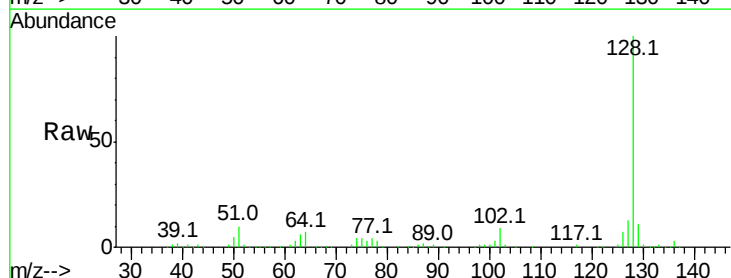
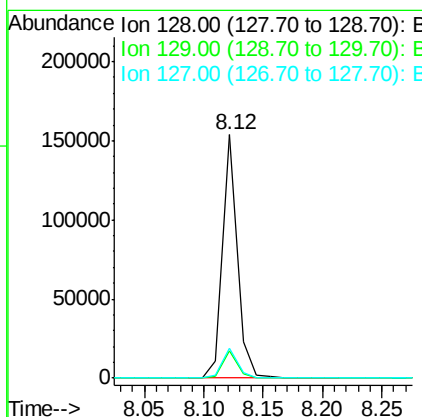
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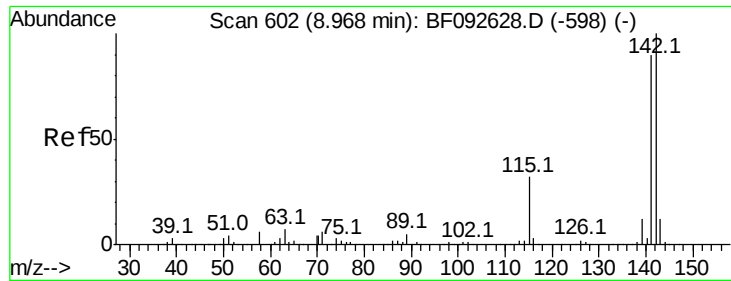
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#31
Naphthalene
Concen: 4.02 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.5	14.3
127	12.5	10.8	16.2





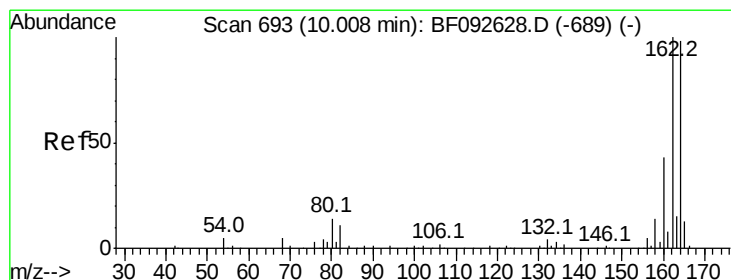
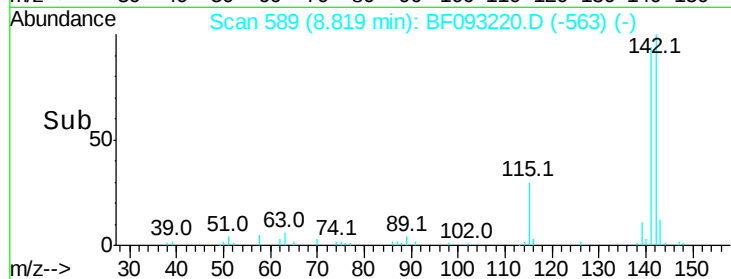
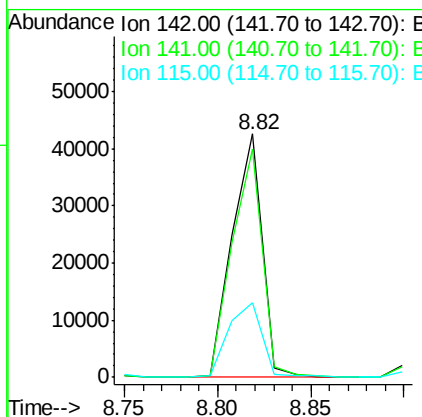
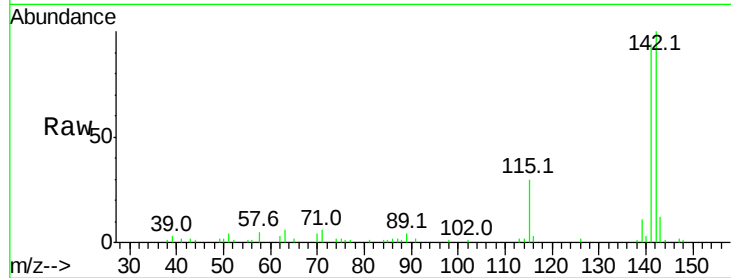
#37
2-Methylnaphthalene
Concen: 2.30 ng
RT: 8.82 min Scan# 589
Delta R.T. -0.00 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.6	71.0	106.6
115	30.4	28.3	42.5

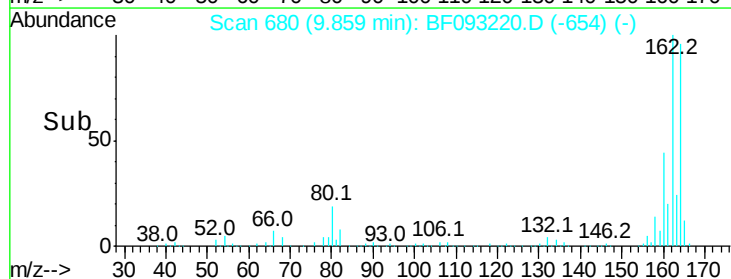
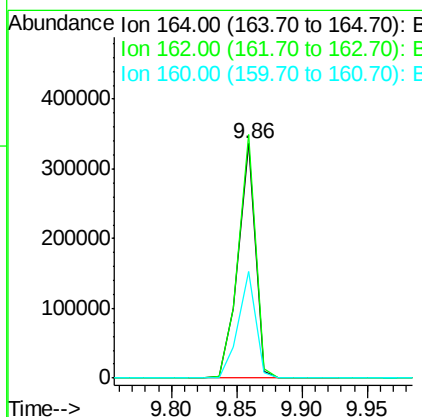
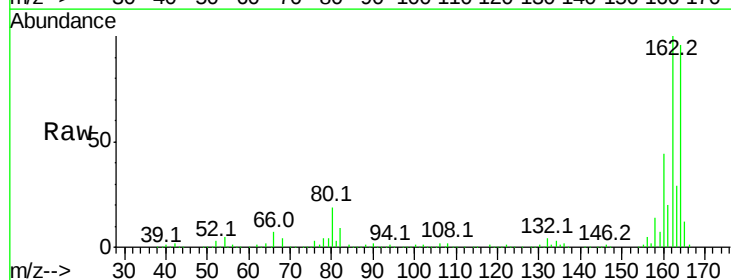
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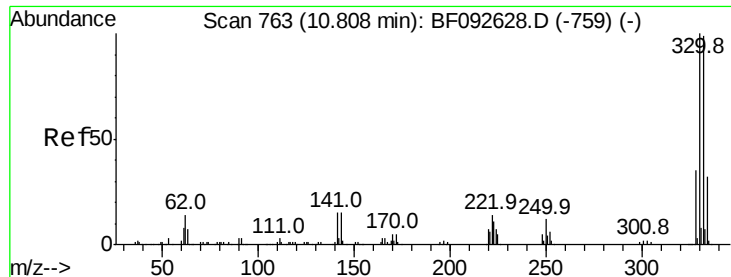
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	80.2	120.2
160	45.5	36.9	55.3





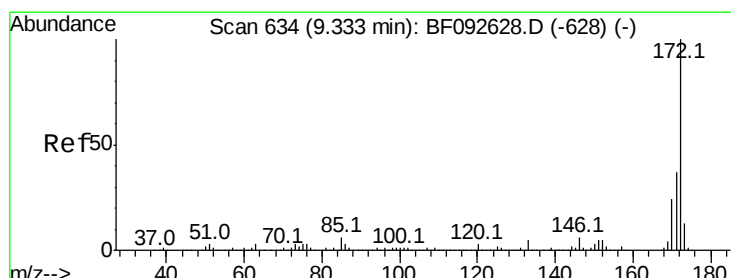
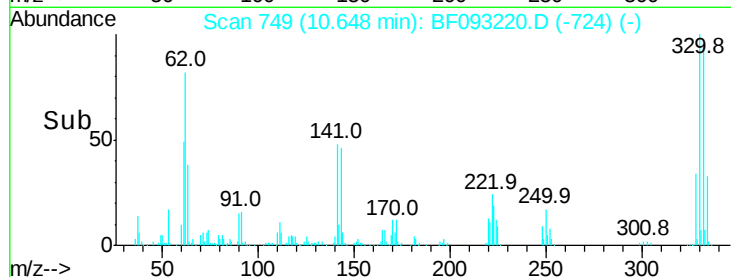
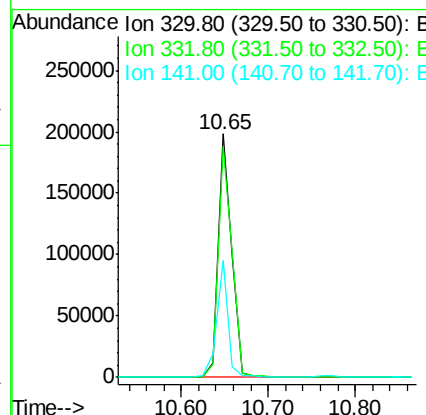
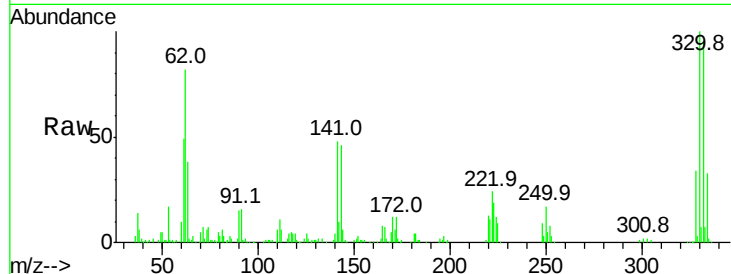
#41
 2,4,6-Tribromophenol
 Concen: 97.61 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF093220.D
 Acq: 27 Feb 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-WSW-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	218162		
332	97.2	77.4	116.2	
141	40.7	34.1	51.1	

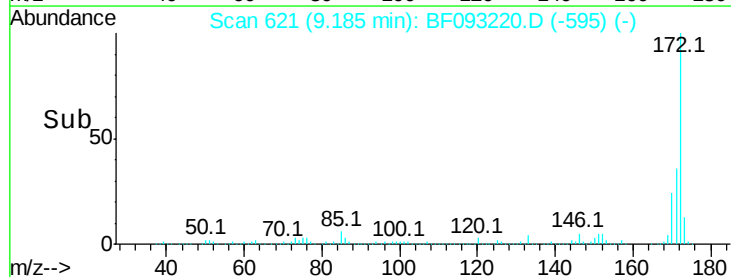
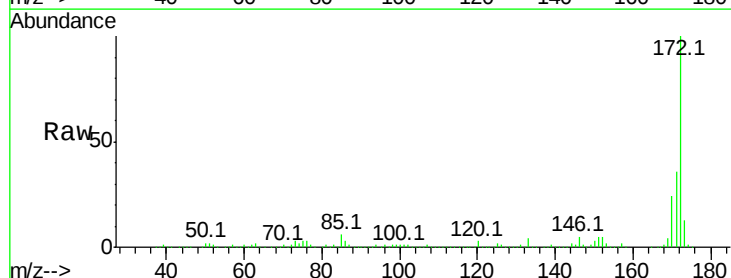
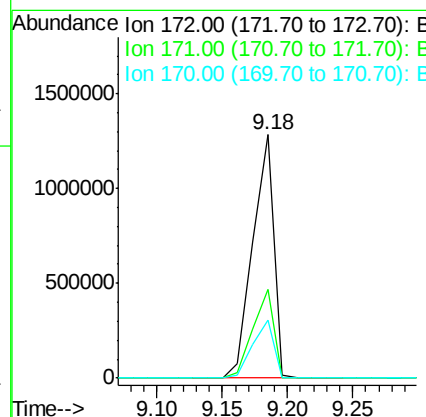
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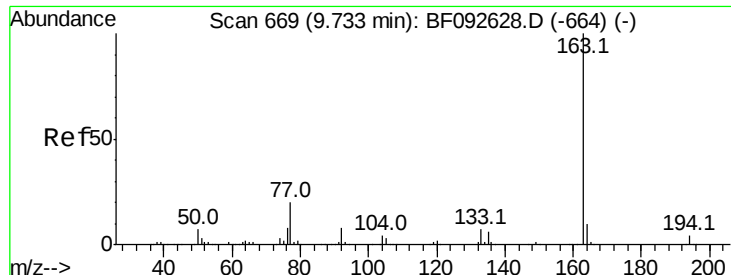
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#44
 2-Fluorobiphenyl
 Concen: 84.62 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: BF093220.D
 Acq: 27 Feb 2017 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1443419		
171	36.3	29.4	44.0	
170	24.1	20.2	30.4	





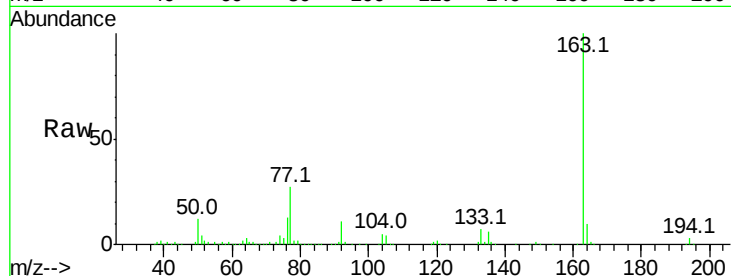
#49
Dimethylphthalate
Concen: 24.12 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.02 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-2

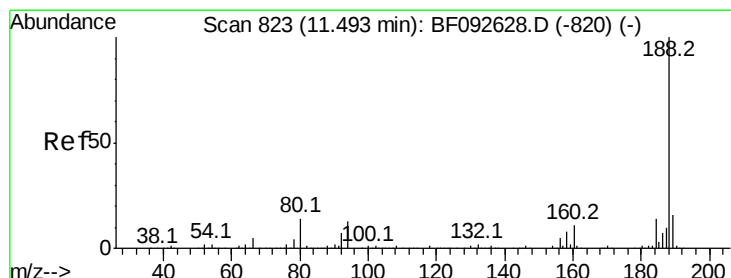
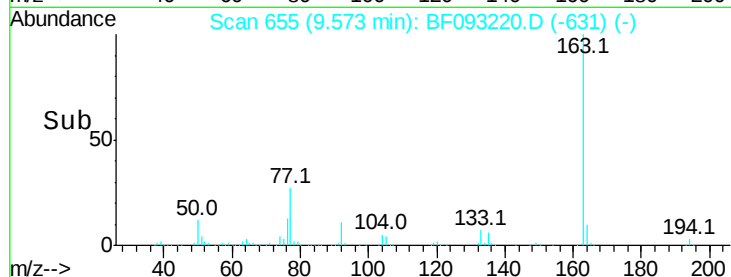
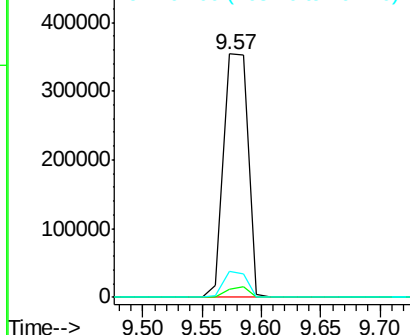
Tot Ion	Ratio	Resp	Lower	Upper
163	100	501967		
194	3.1		3.0	4.4
164	10.5		8.0	12.0

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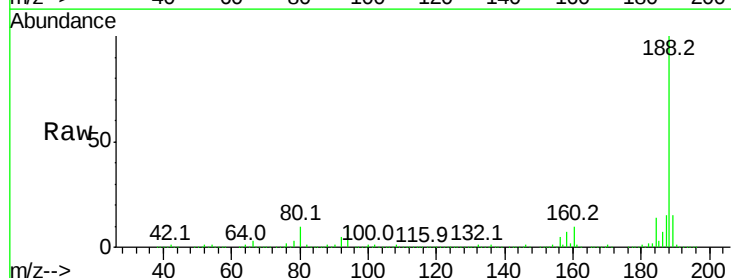


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

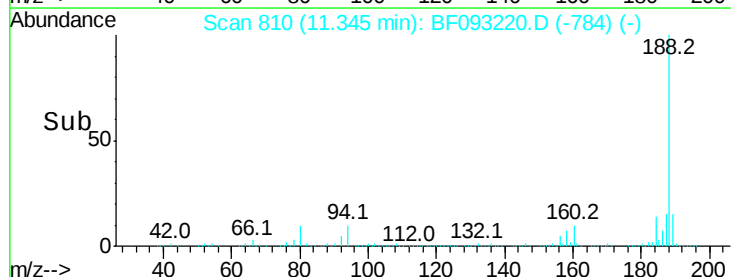
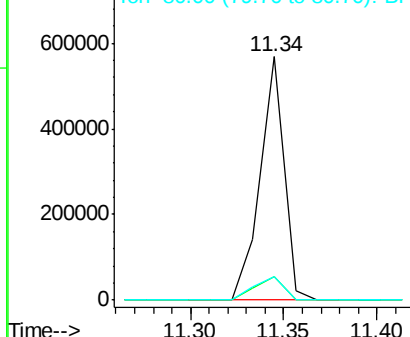


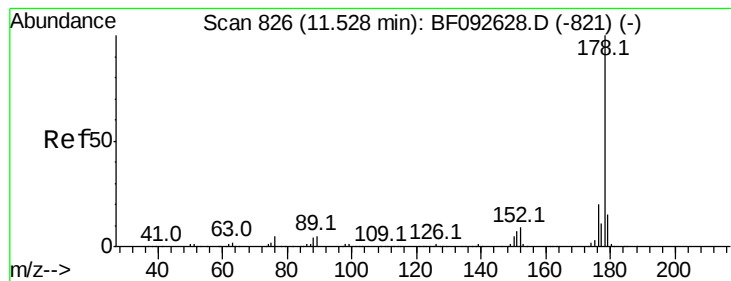
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	505245		
94	9.6		10.0	15.0#
80	9.8		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: 13.17 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF093220.D

Acq: 27 Feb 2017 22:29

Instrument :

BNA_F

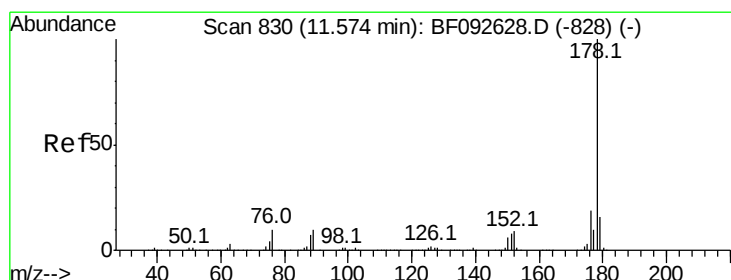
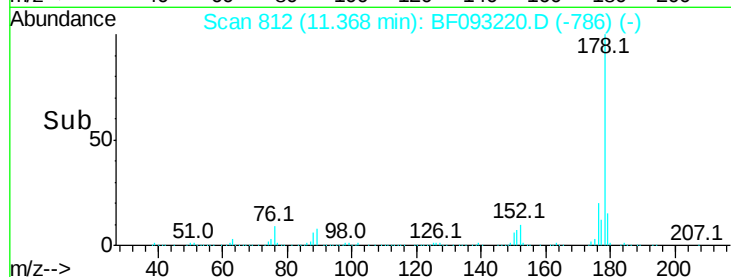
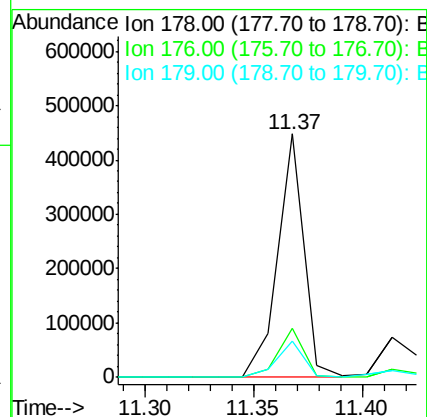
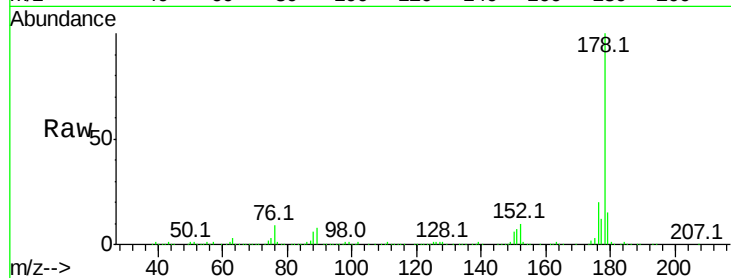
ClientSampleId :

E2-B1E-WSW-2

Tot Ion:178	Resp:	381341
Ion Ratio	Lower	Upper
178	100	
176	19.9	16.6 25.0
179	14.8	12.8 19.2

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#71

Anthracene

Concen: 2.87 ng

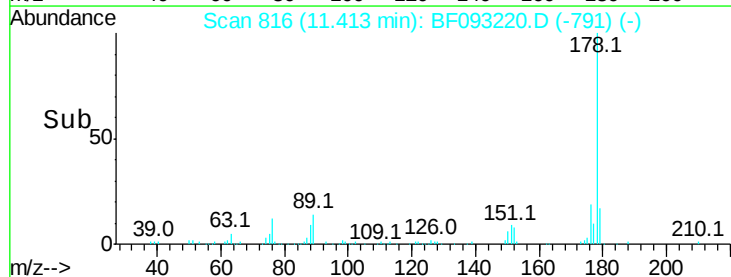
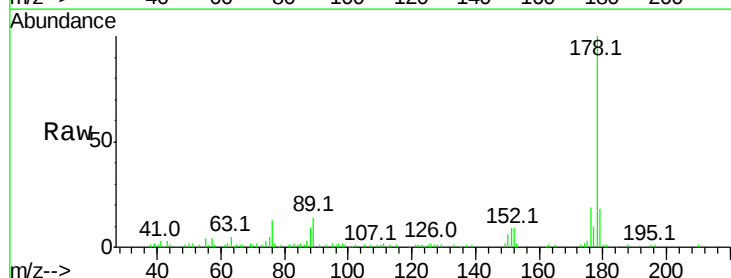
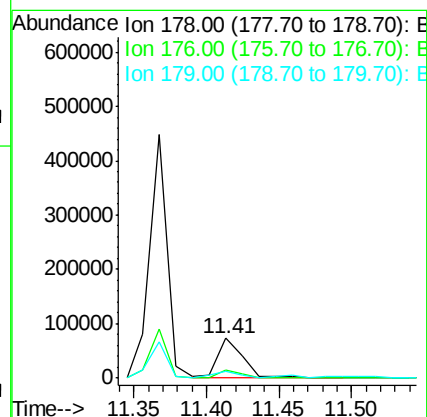
RT: 11.41 min Scan# 816

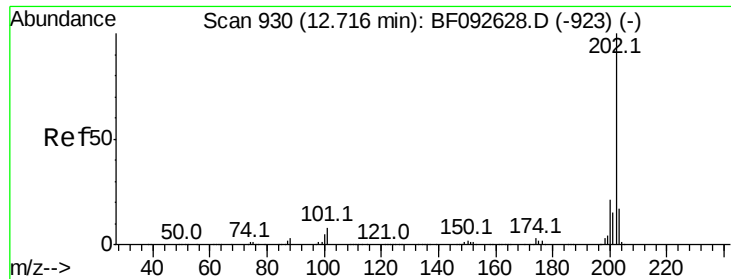
Delta R.T. -0.01 min

Lab File: BF093220.D

Acq: 27 Feb 2017 22:29

Tgt Ion:178	Resp:	83491
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.9 23.9
179	17.6	13.2 19.8





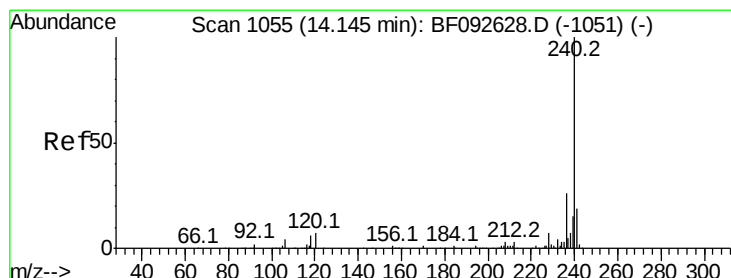
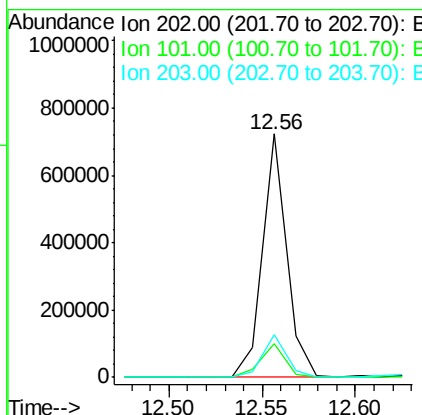
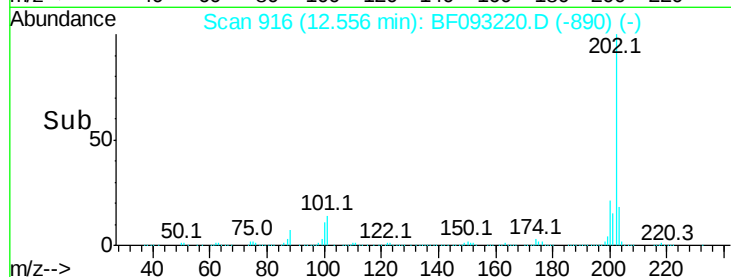
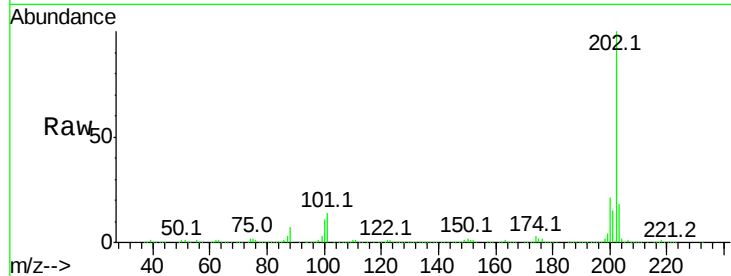
#74
 Fluoranthene
 Concen: 21.51 ng
 RT: 12.56 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BF093220.D
 Acq: 27 Feb 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-WSW-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	0.0	34.6
203	17.6	0.0	38.7

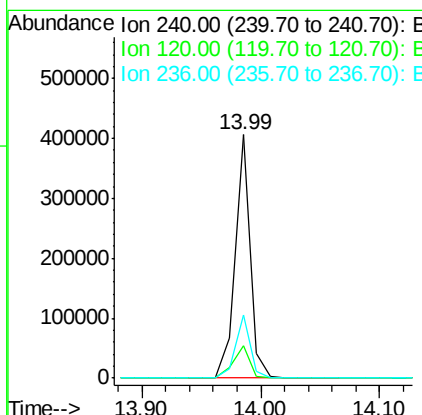
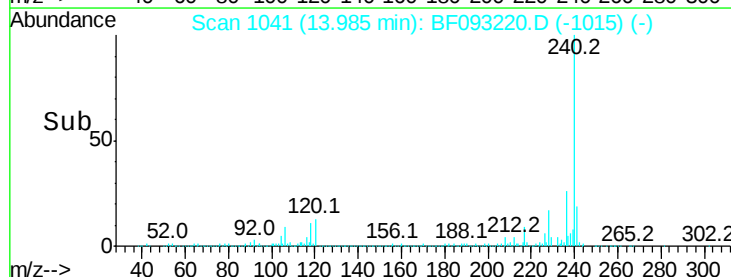
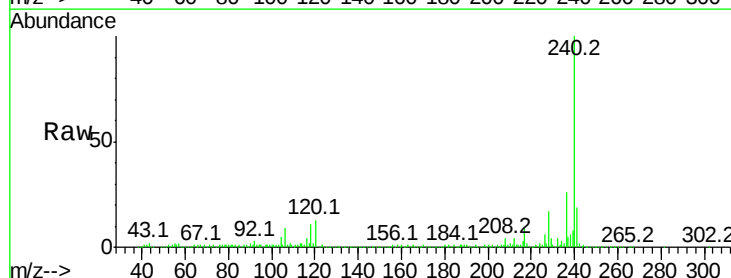
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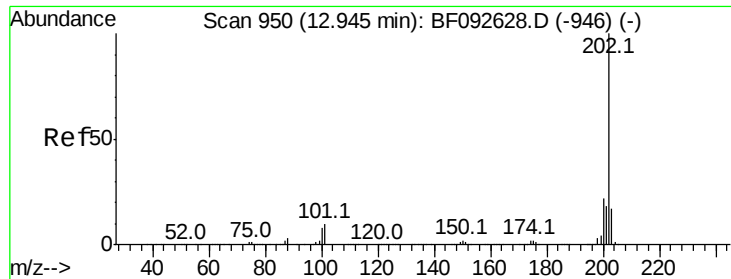
mohammad
 2/28/2017 2:29:00 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF093220.D
 Acq: 27 Feb 2017 22:29

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.2	12.9	19.3
236	25.7	20.9	31.3





#77

Pvrene

Concen: 23.05 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF093220.D

Acq: 27 Feb 2017 22:29

Instrument :

BNA_F

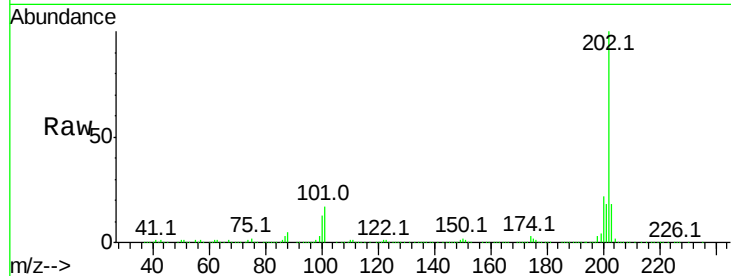
ClientSampleId :

E2-B1E-WSW-2

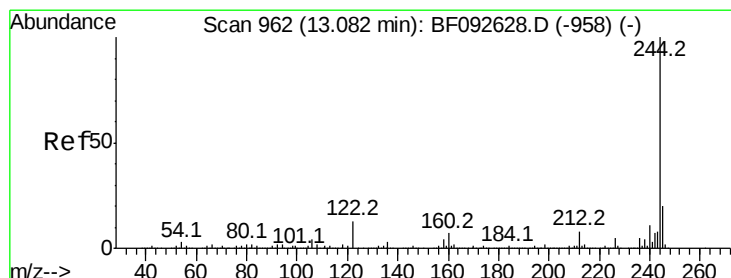
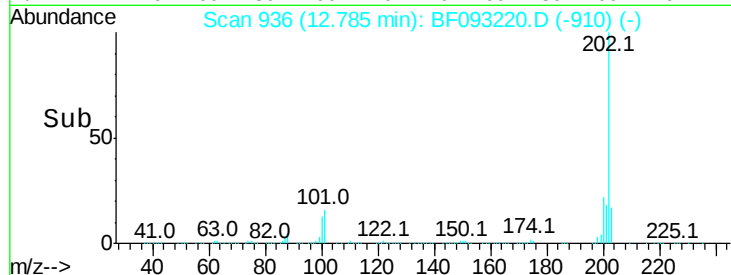
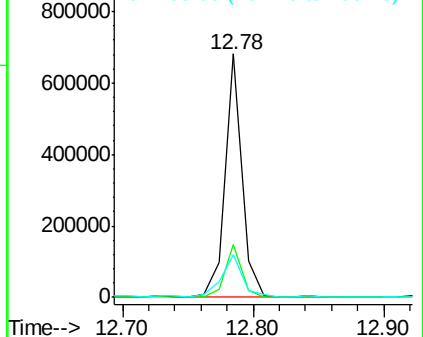
Tot Ion:	202	Resp:	614424
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.7	26.5
203	17.5	14.7	22.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 66.86 ng

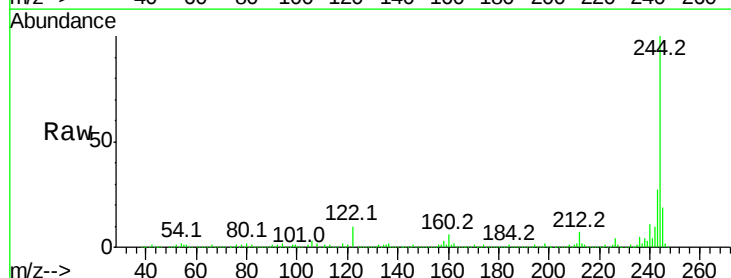
RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

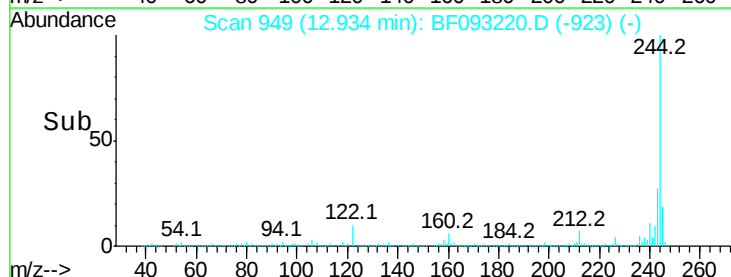
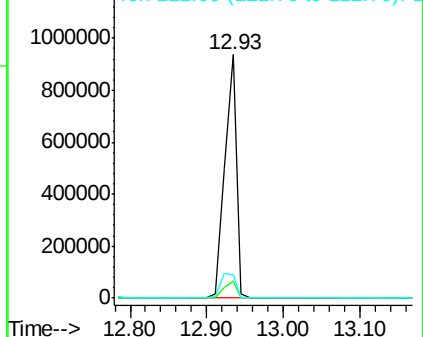
Lab File: BF093220.D

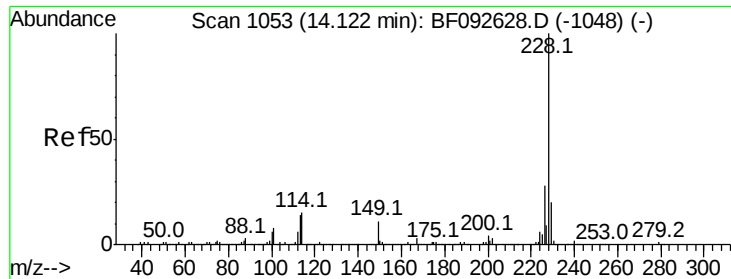
Acq: 27 Feb 2017 22:29

Tgt Ion:	244	Resp:	1013368
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.2	9.2
122	9.8	11.4	17.2#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





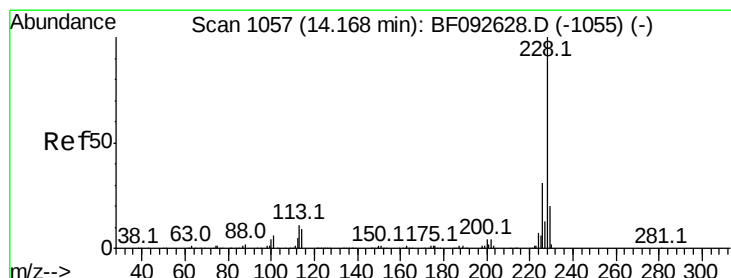
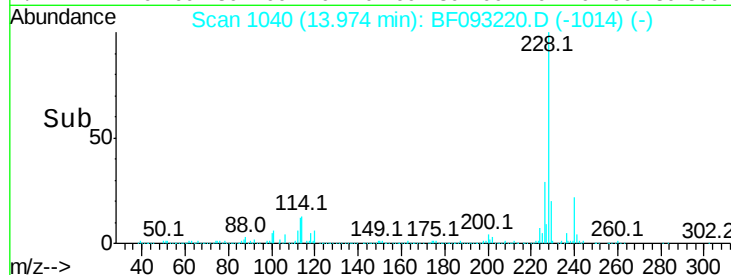
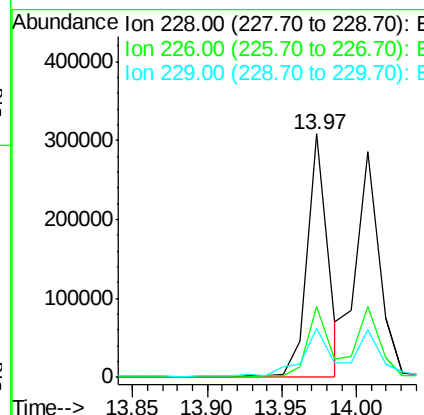
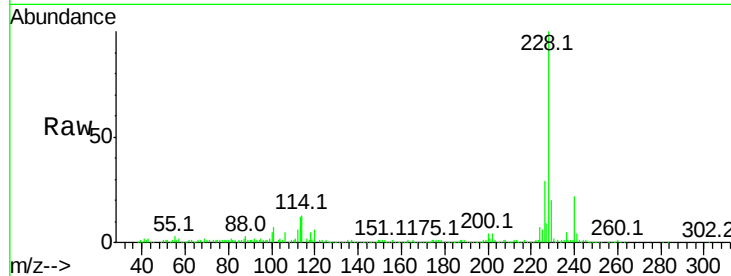
#80
Benzo(a)anthracene
Concen: 13.66 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-2

Tot Ion	Ratio	Resp	Lower	Upper
228	100	297617		
226	29.1		22.4	33.6
229	20.1		16.2	24.4

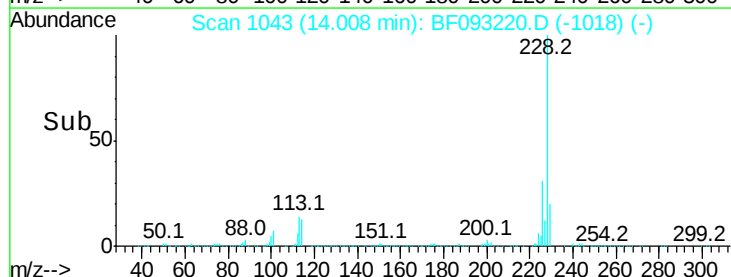
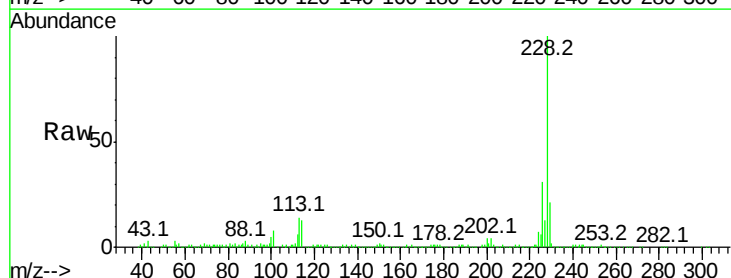
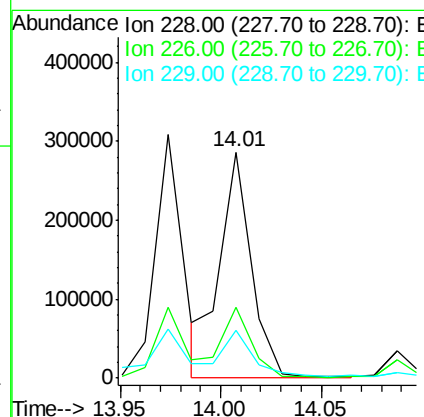
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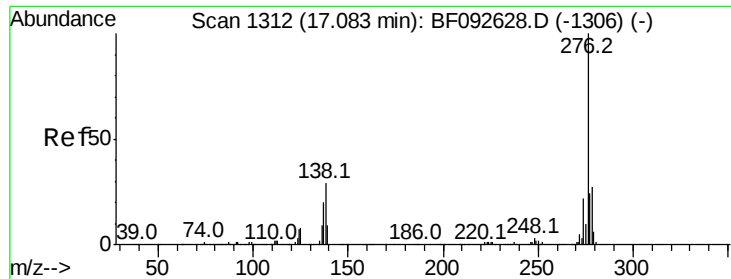
mohammad
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#82
Chrysene
Concen: 15.41 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	314349		
226	31.3		25.4	38.0
229	21.2		16.2	24.2





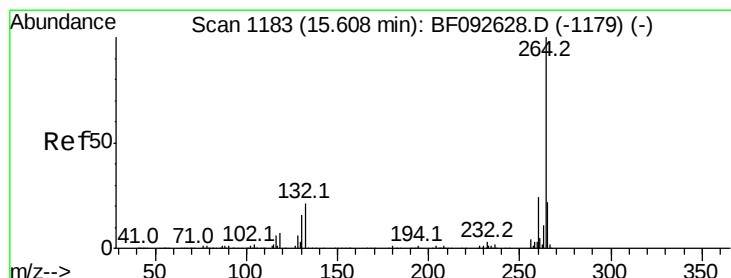
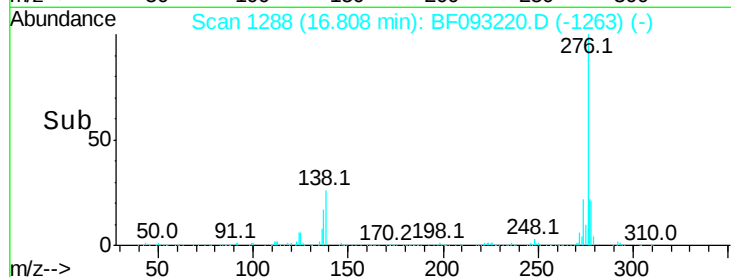
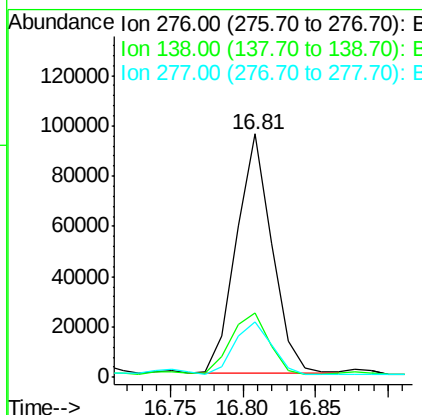
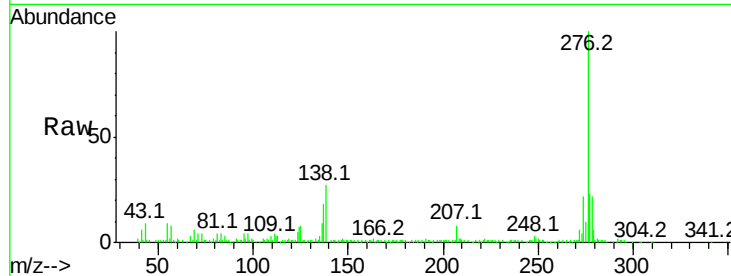
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.25 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.1	21.8	32.6
277	23.8	20.2	30.4

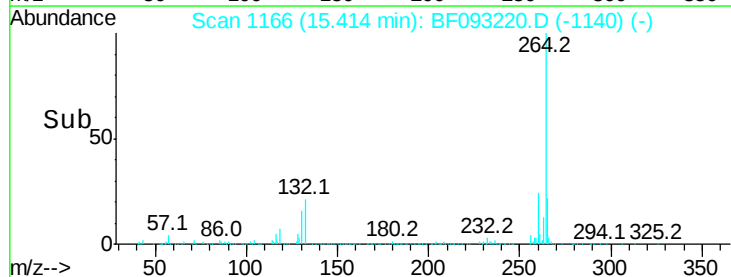
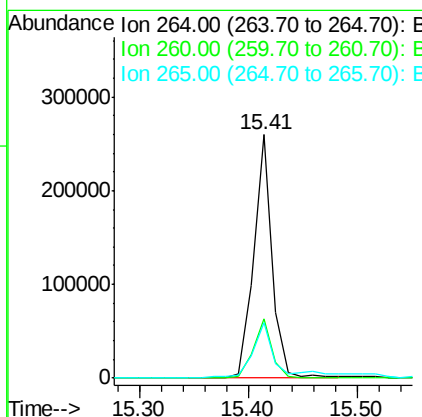
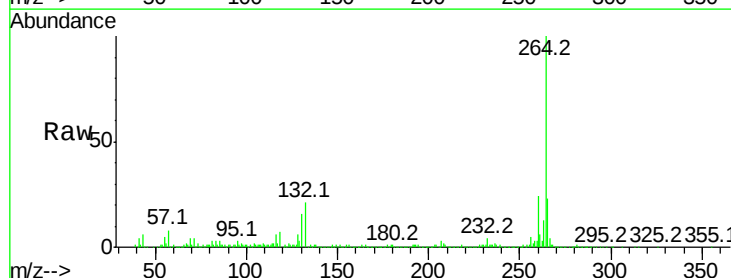
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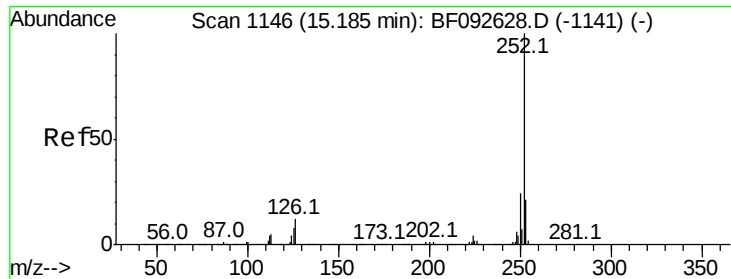
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.7	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 17.41 ng m

RT: 15.00 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BF093220.D

Acq: 27 Feb 2017 22:29

Instrument :

BNA_F

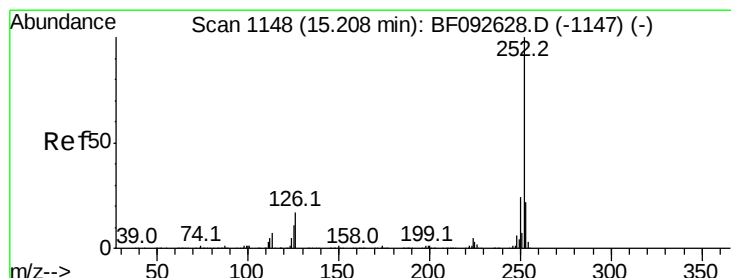
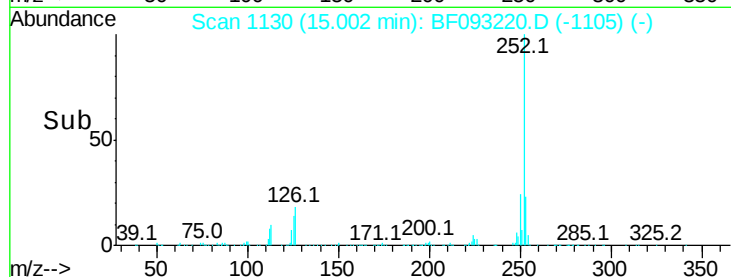
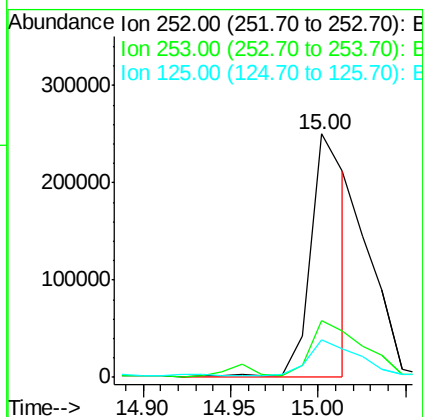
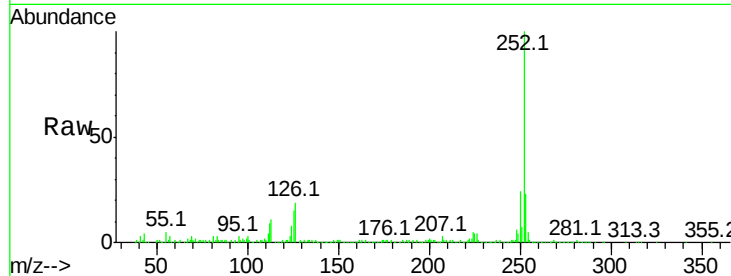
ClientSampleId :

E2-B1E-WSW-2

Tot Ion:	252	Resp:	352554
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.4
125	15.3	9.8	14.6#

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#88

Benzo(k)fluoranthene

Concen: 9.80 ng m

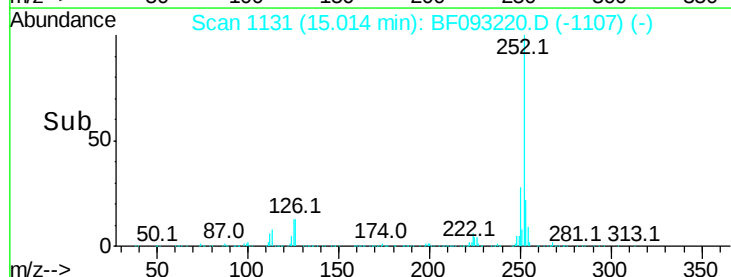
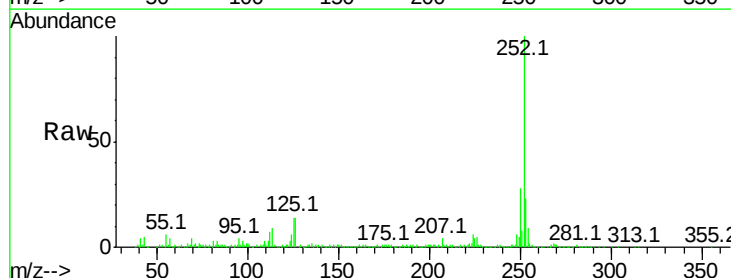
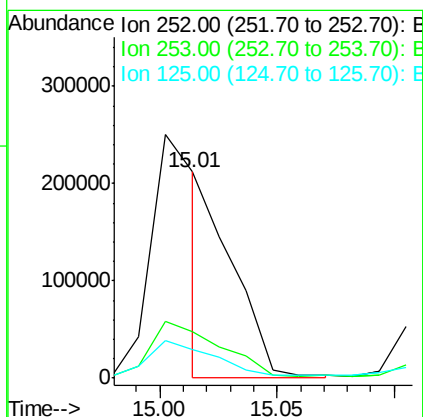
RT: 15.01 min Scan# 1131

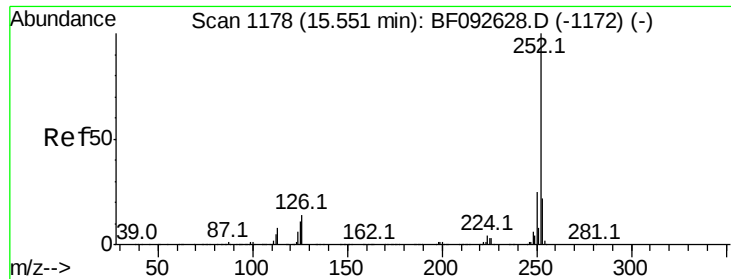
Delta R.T. -0.02 min

Lab File: BF093220.D

Acq: 27 Feb 2017 22:29

Tgt Ion:	252	Resp:	171378
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.5	27.7
125	13.9	8.9	13.3#





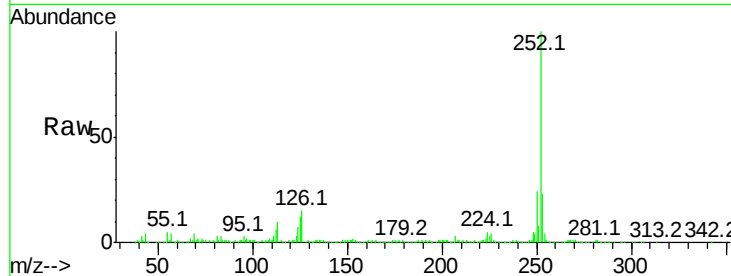
#89
Benzo(a)pyrene
Concen: 16.20 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

Instrument :
BNA_F
ClientSampleId :
E2-B1E-WSW-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	12.0	10.0	15.0

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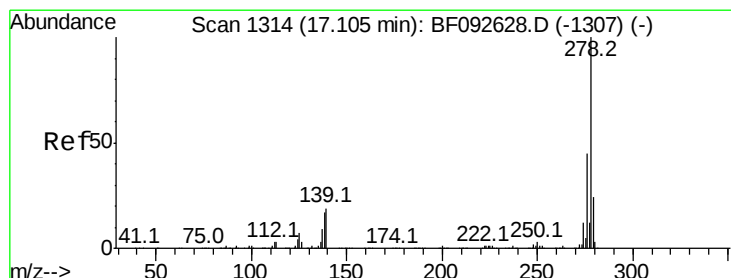
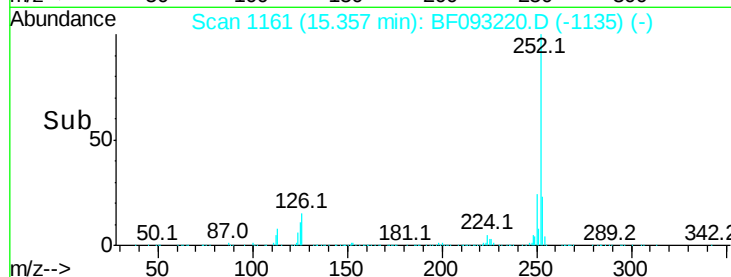
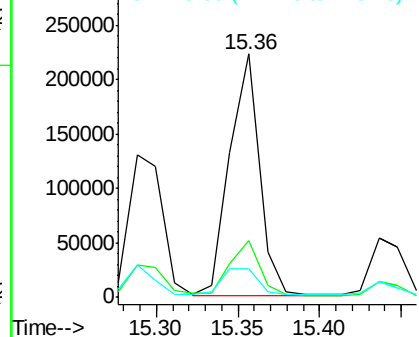


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Dibenzo(a,h)anthracene
Concen: 2.89 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF093220.D
Acq: 27 Feb 2017 22:29

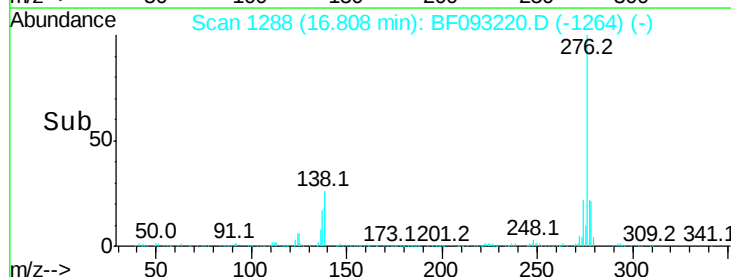
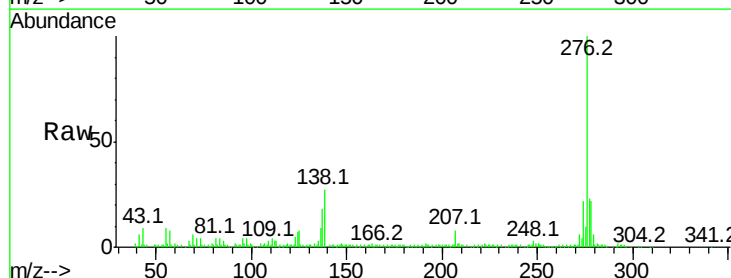
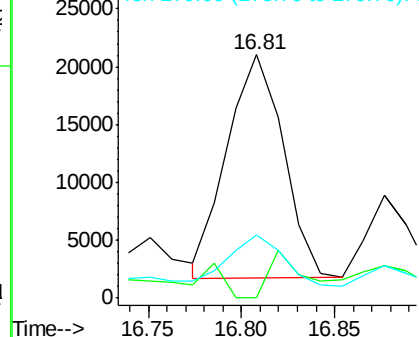
Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	26.1	19.8	29.6

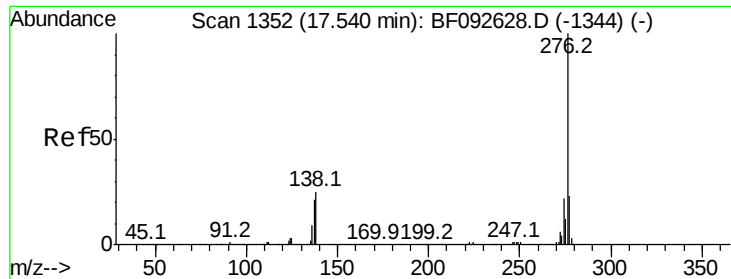
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 10.82 ng
 RT: 17.23 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF093220.D
 Acq: 27 Feb 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-WSW-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	28.6	16.0	24.0

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