

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
 Data File : BF093123.D
 Acq On : 24 Feb 2017 00:01
 Operator : SJ/MA
 Sample : I1954-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLP-B-01(0-5)

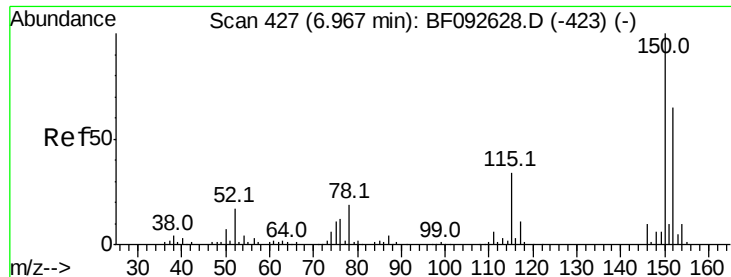
Manual Integrations
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Quant Time: Feb 24 00:40:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	154897	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	562516	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	226337	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	336964	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	321298	20.00	ng	-0.02
86) Perylene-d12	15.44	264	256870	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1004960	111.31	ng	-0.01
7) Phenol-d6	6.49	99	1404834	120.93	ng	0.00
23) Nitrobenzene-d5	7.41	82	829102	82.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	197700	120.77	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1309998	104.86	ng	-0.01
78) Terphenyl-d14	12.94	244	803198	58.74	ng	-0.02
Target Compounds						
10) Phenol	6.50	94	49841	3.67	ng	Qvalue # 63
49) Dimethylphthalate	9.60	163	109470	7.18	ng	99
74) Fluoranthene	12.57	202	70843	3.56	ng	97
77) Pyrene	12.80	202	85993	3.58	ng	99
80) Benzo(a)anthracene	13.99	228	61446	3.13	ng	# 93
82) Chrysene	14.02	228	48131m	2.62	ng	
87) Benzo(b)fluoranthene	15.03	252	61981m	3.67	ng	
89) Benzo(a)pyrene	15.37	252	42363	2.90	ng	# 67

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Instrument :

BNA_F

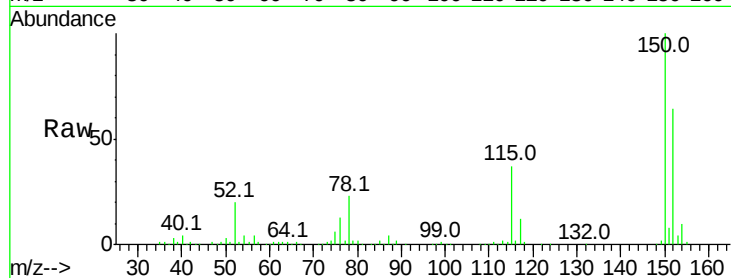
ClientSampleId :

CLP-B-01(0-5)

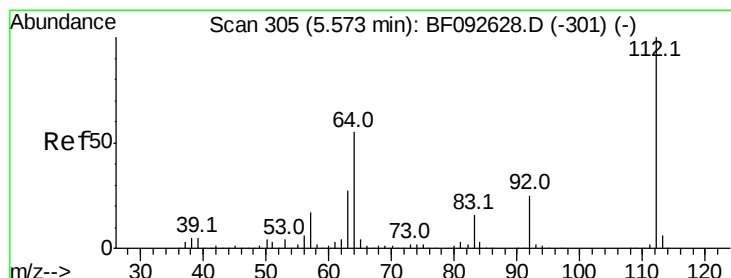
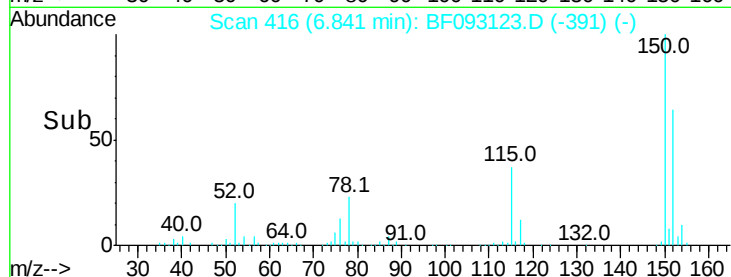
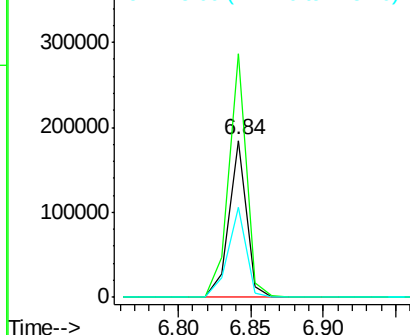
Tot Ion:	152	Resp:	154897
Ion Ratio	Lower	Upper	
152	100		
150	155.5	124.9	187.3
115	57.3	46.0	69.0

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 111.31 ng

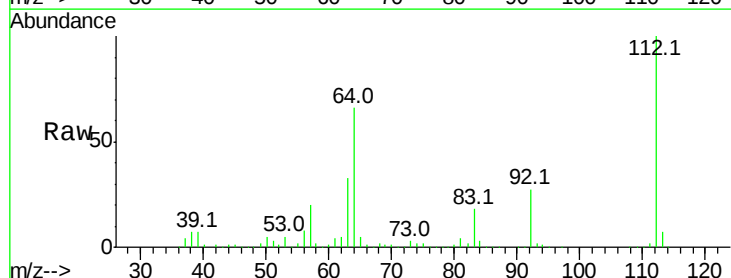
RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

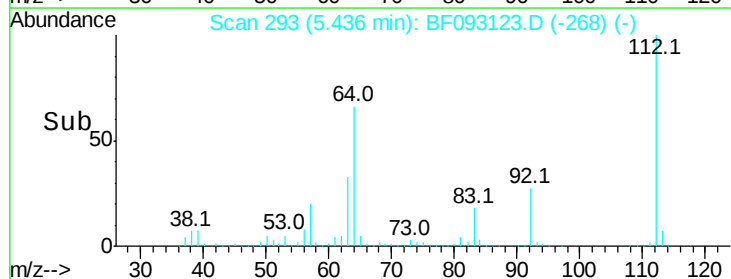
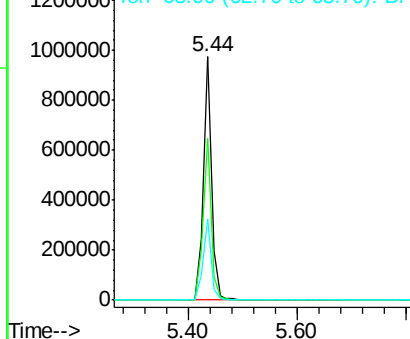
Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Tgt Ion:	112	Resp:	1004960
Ion Ratio	Lower	Upper	
112	100		
64	66.4	46.1	69.1
63	33.0	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.93 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Instrument :

BNA_F

ClientSampleId :

CLP-B-01(0-5)

Tot Ion: 99 Resp: 1404834

Ion Ratio Lower Upper

99 100

42 15.2 15.6 23.4#

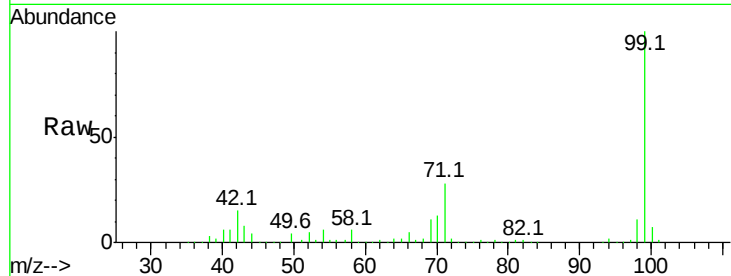
71 27.7 27.5 41.3

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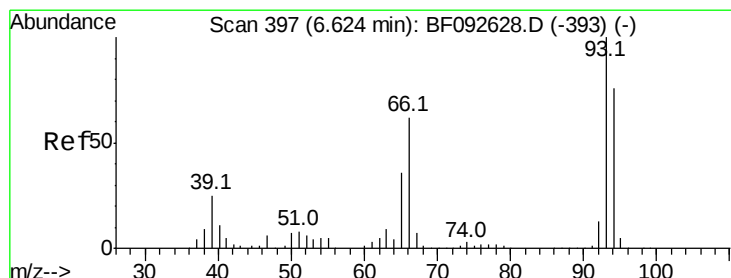
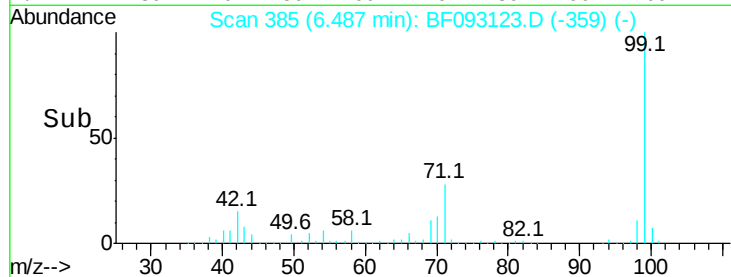
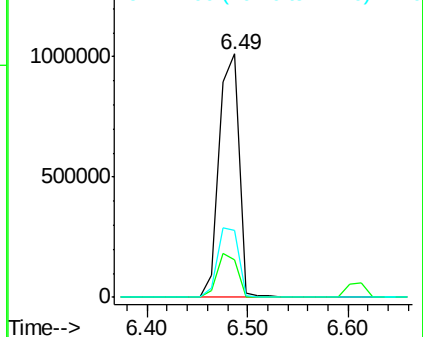
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.67 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

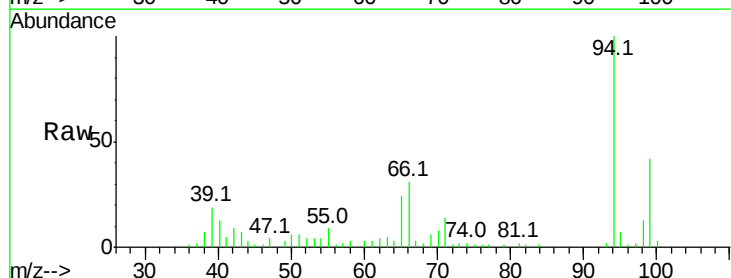
Tgt Ion: 94 Resp: 49841

Ion Ratio Lower Upper

94 100

65 23.6 21.4 61.4

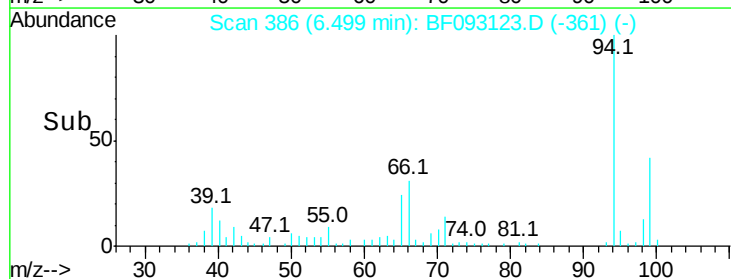
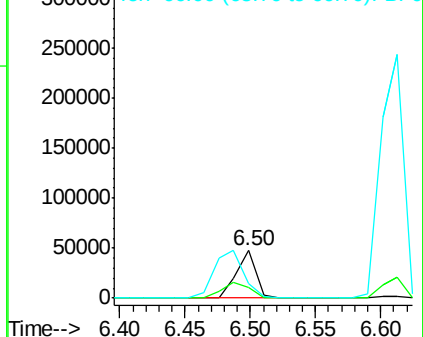
66 31.3 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





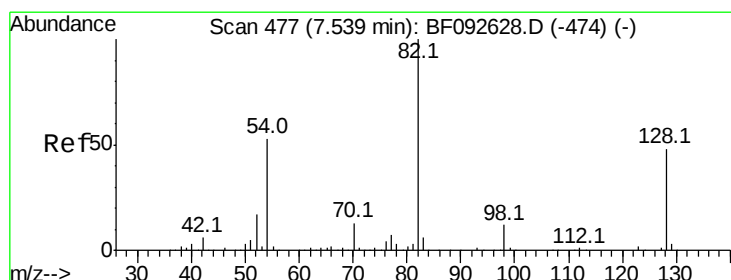
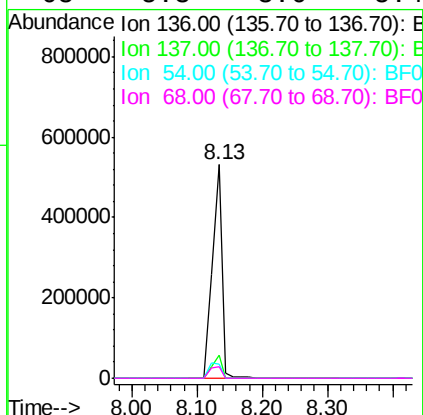
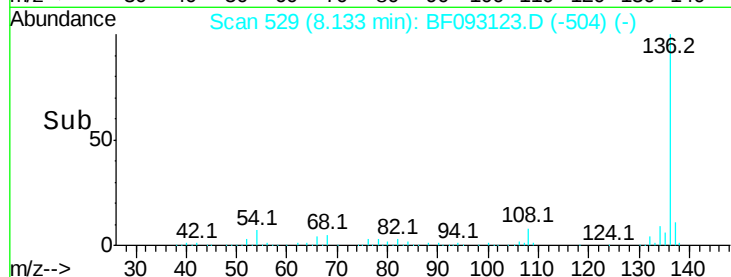
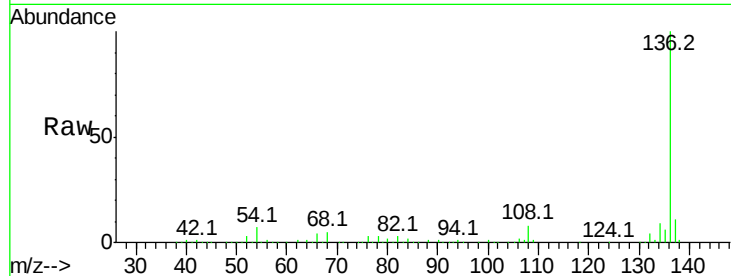
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093123.D
Acq: 24 Feb 2017 00:01

Instrument :
BNA_F
ClientSampleId :
CLP-B-01(0-5)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.6	8.4	12.6
54	6.8	4.5	6.7
68	5.3	3.6	5.4

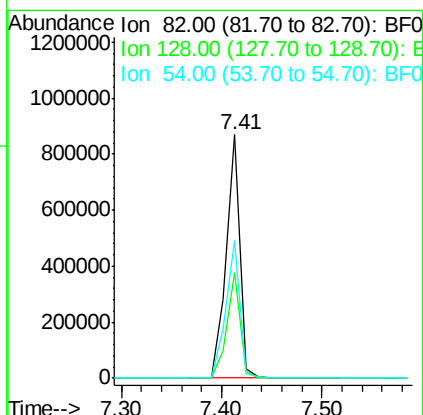
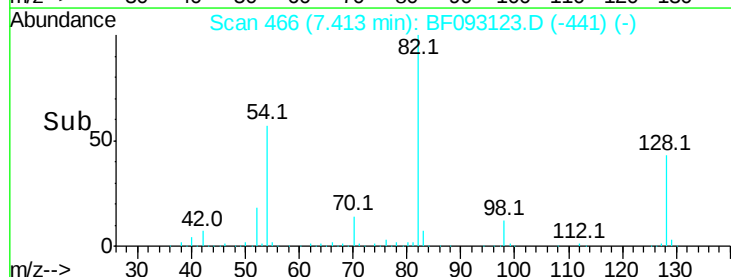
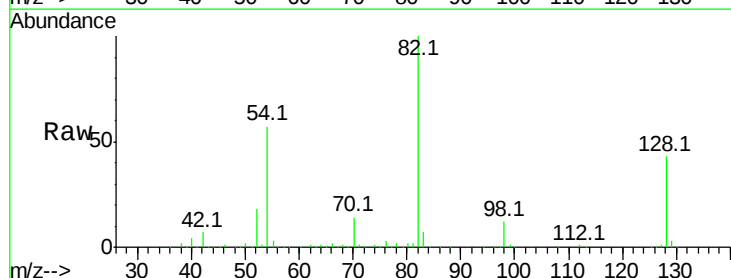
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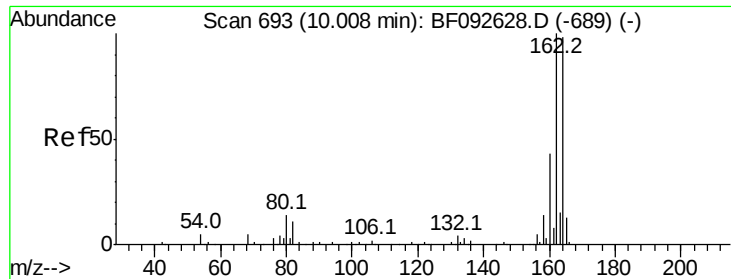
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#23
Nitrobenzene-d5
Concen: 82.08 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093123.D
Acq: 24 Feb 2017 00:01

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	43.3	34.6	52.0
54	56.5	39.5	59.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Instrument :

BNA_F

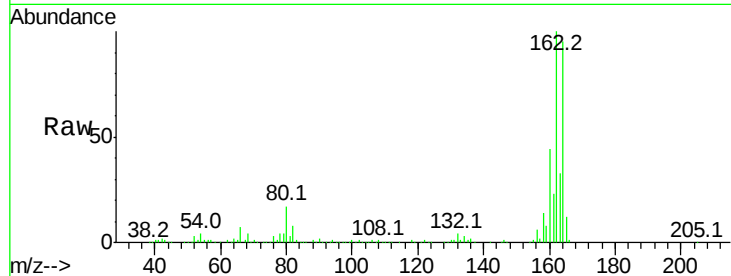
ClientSampleId :

CLP-B-01(0-5)

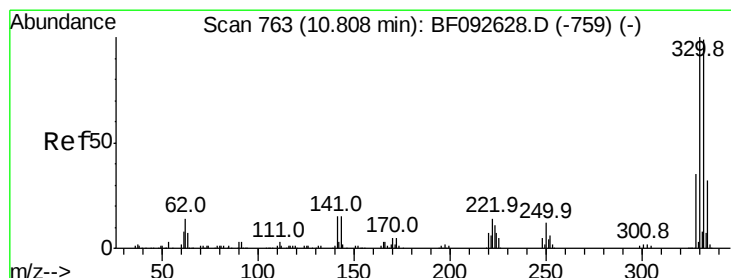
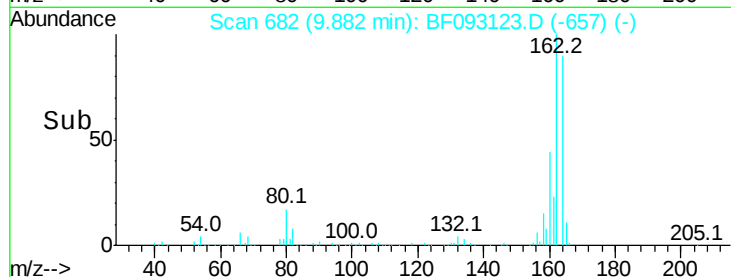
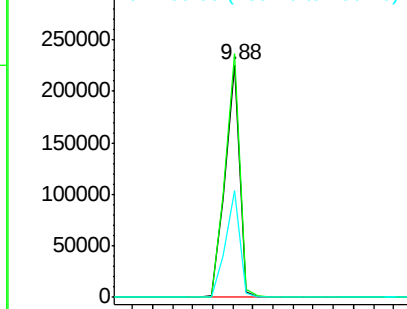
Tot Ion:	164	Resp:	226337
Ion Ratio	Lower	Upper	
164	100		
162	104.9	80.2	120.2
160	46.0	36.9	55.3

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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: 120.77 ng

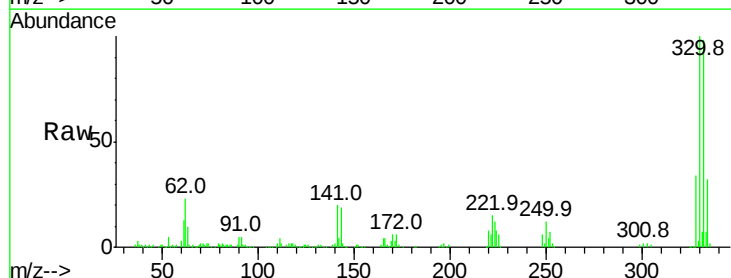
RT: 10.67 min Scan# 751

Delta R.T. -0.01 min

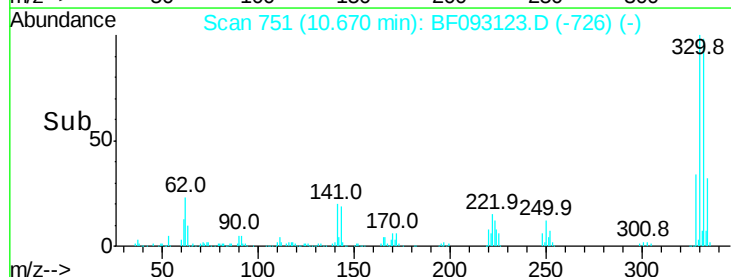
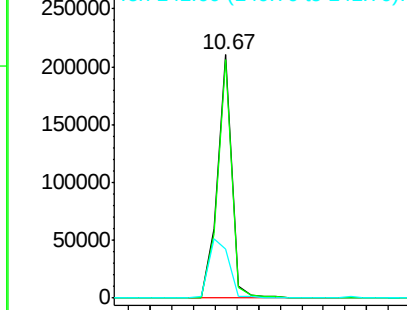
Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Tgt Ion:	330	Resp:	197700
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.4	116.2
141	35.6	34.1	51.1



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





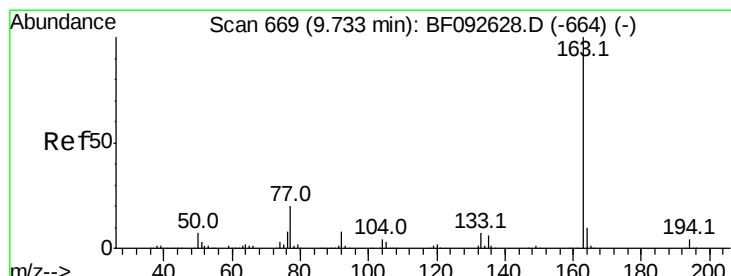
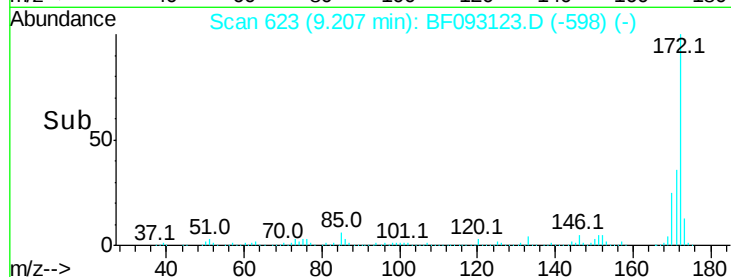
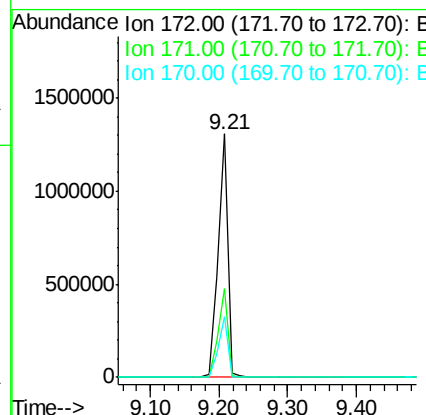
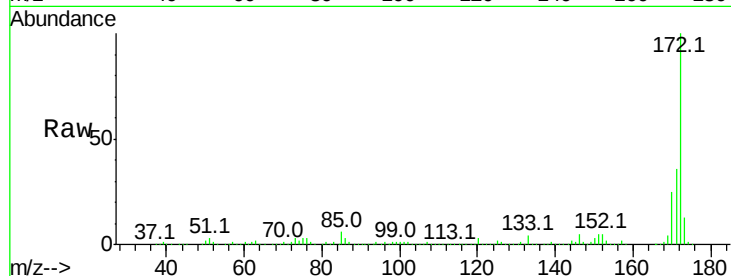
#44
 2-Fluorobiphenyl
 Concen: 104.86 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093123.D
 Acq: 24 Feb 2017 00:01

Instrument :
 BNA_F
 ClientSampleId :
 CLP-B-01(0-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.7	20.2	30.4

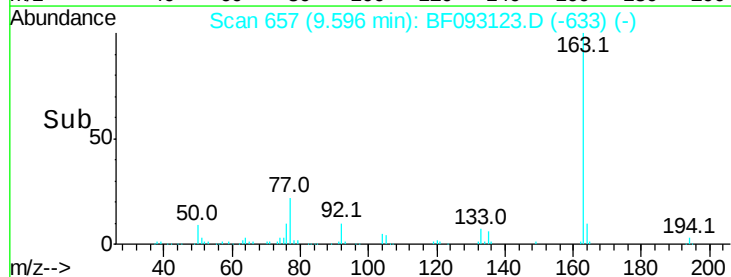
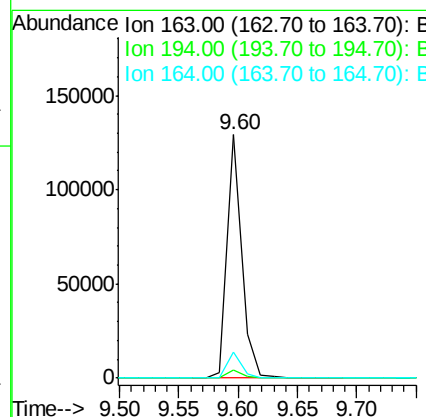
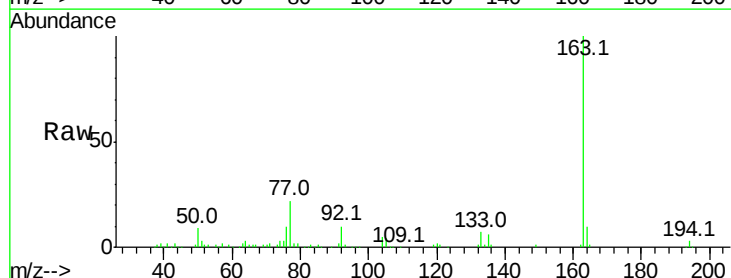
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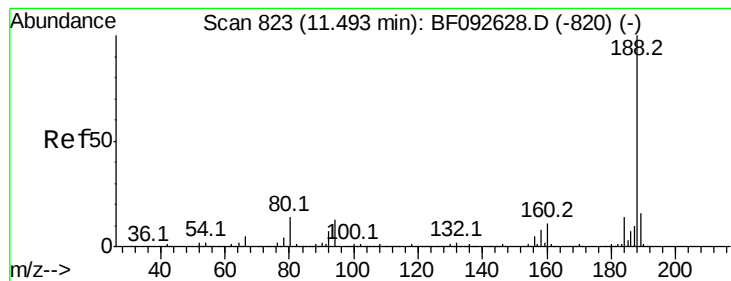
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#49
 Dimethylphthalate
 Concen: 7.18 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: BF093123.D
 Acq: 24 Feb 2017 00:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.0	4.4
164	10.4	8.0	12.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Instrument :

BNA_F

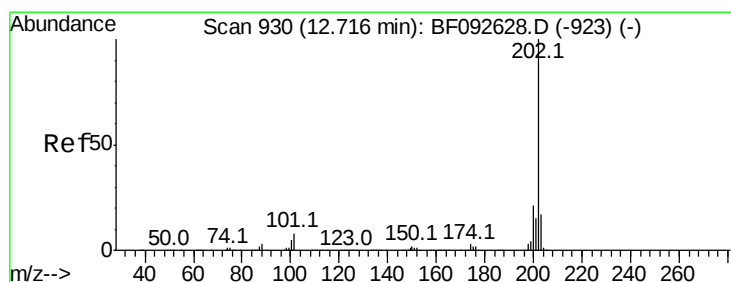
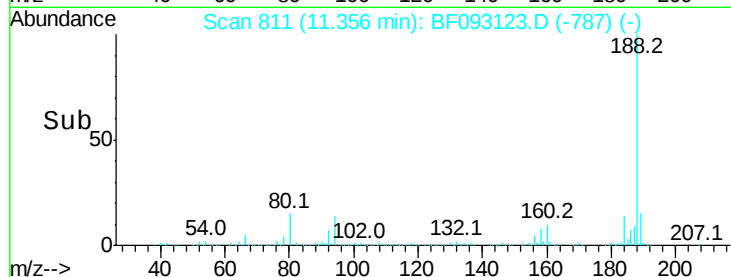
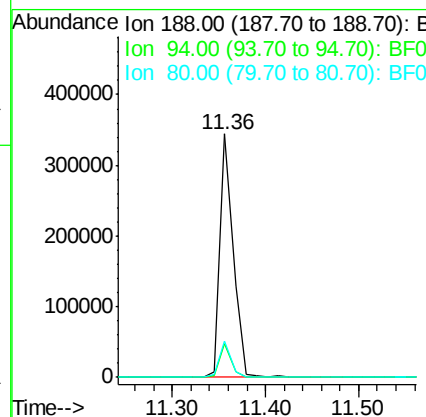
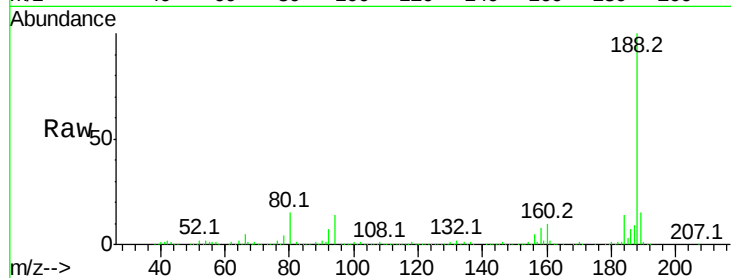
ClientSampleId :

CLP-B-01(0-5)

Tot Ion:	188	Resp:	336964
Ion Ratio	Lower	Upper	
188	100		
94	13.6	10.0	15.0
80	14.8	11.2	16.8

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#74

Fluoranthene

Concen: 3.56 ng

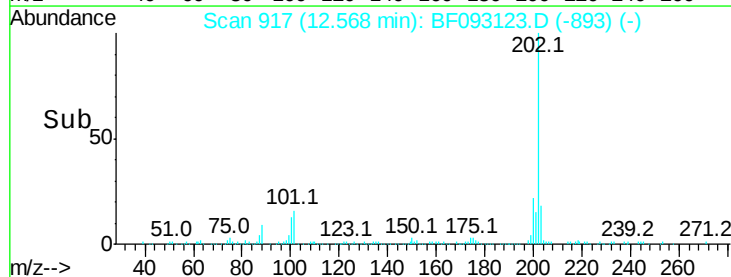
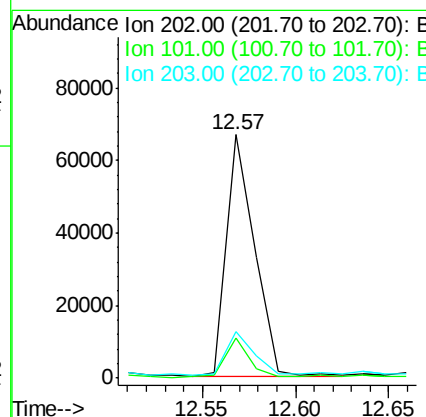
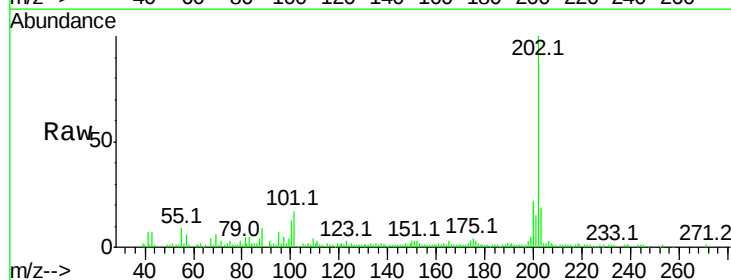
RT: 12.57 min Scan# 917

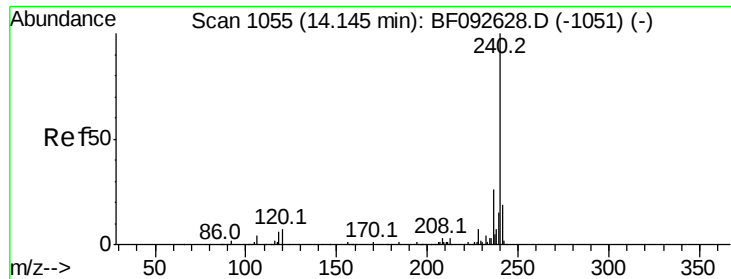
Delta R.T. -0.02 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Tgt Ion:	202	Resp:	70843
Ion Ratio	Lower	Upper	
202	100		
101	16.5	0.0	34.6
203	19.3	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Instrument :

BNA_F

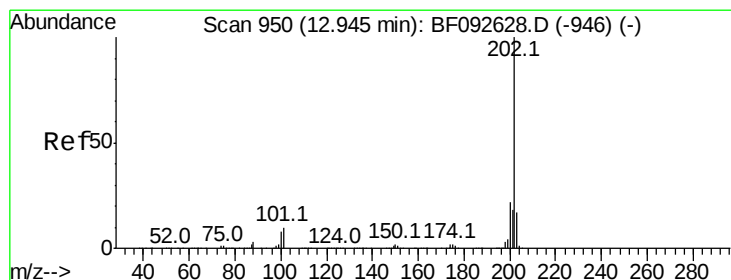
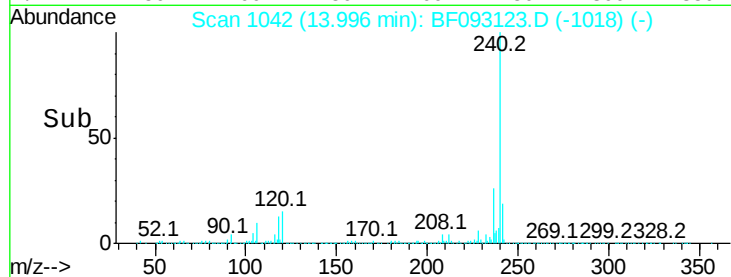
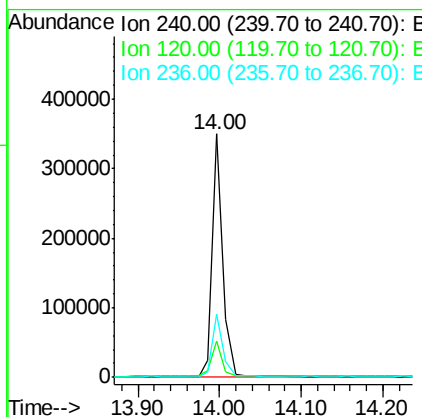
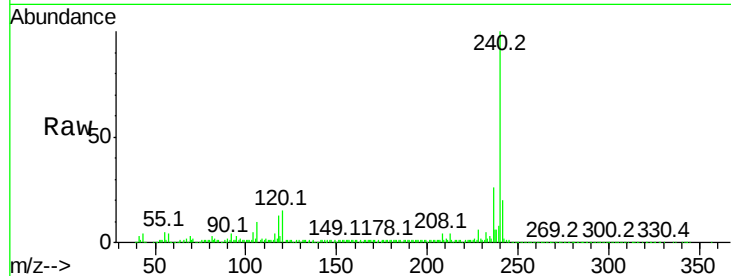
ClientSampleId :

CLP-B-01(0-5)

Tot Ion:	240	Resp:	321298
Ion Ratio	Lower	Upper	
240	100		
120	14.9	12.9	19.3
236	26.0	20.9	31.3

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#77

Pyrene

Concen: 3.58 ng

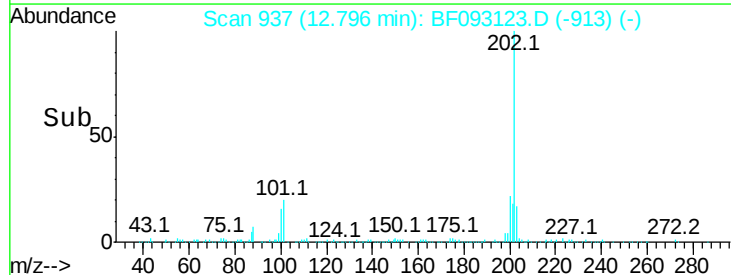
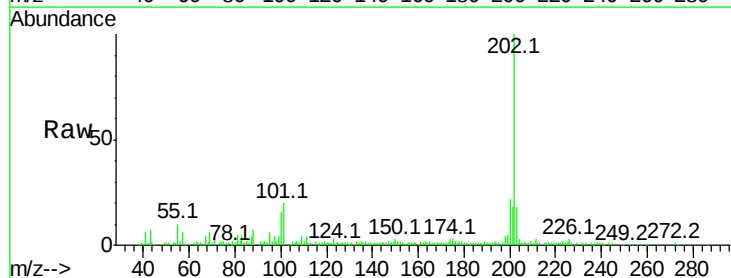
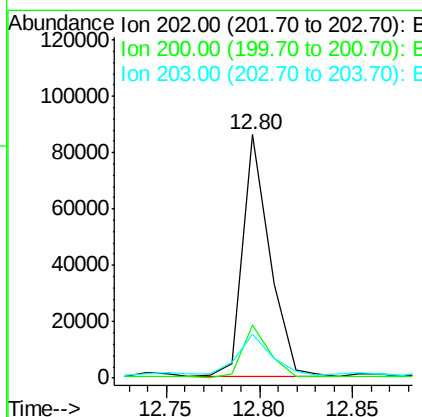
RT: 12.80 min Scan# 937

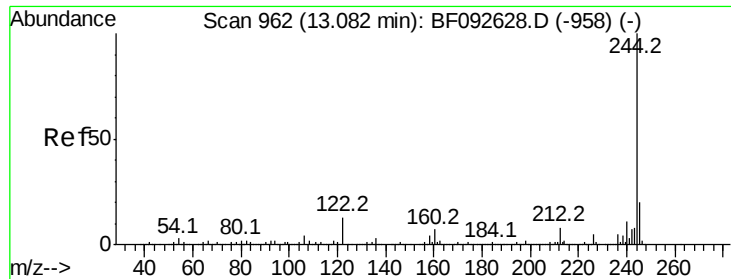
Delta R.T. -0.02 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Tgt Ion:	202	Resp:	85993
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.7	26.5
203	18.1	14.7	22.1





#78

Terphenyl-d14

Concen: 58.74 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Instrument :

BNA_F

ClientSampleId :

CLP-B-01(0-5)

Tot Ion:244 Resp: 803198

Ion Ratio Lower Upper

244 100

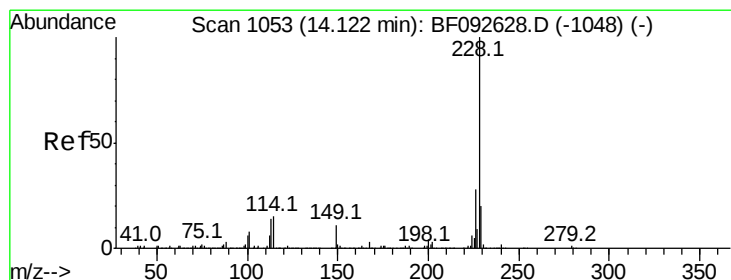
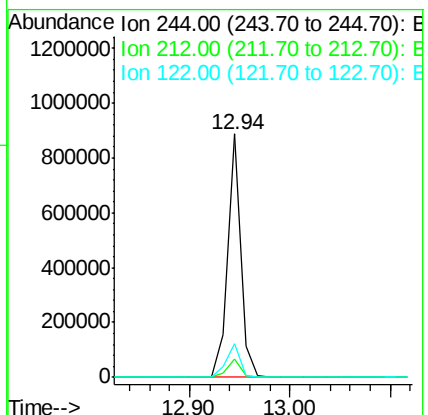
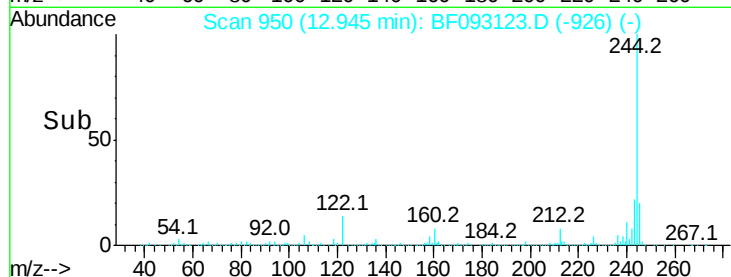
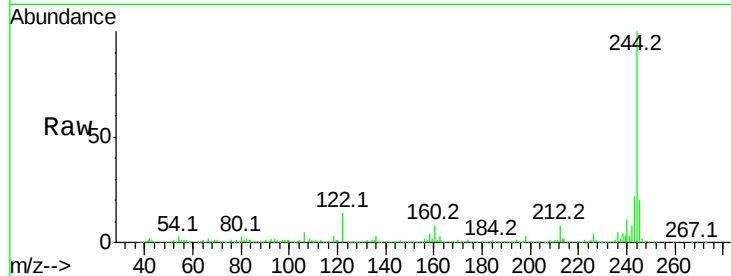
212 7.6 6.2 9.2

122 13.7 11.4 17.2

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#80

Benzo(a)anthracene

Concen: 3.13 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

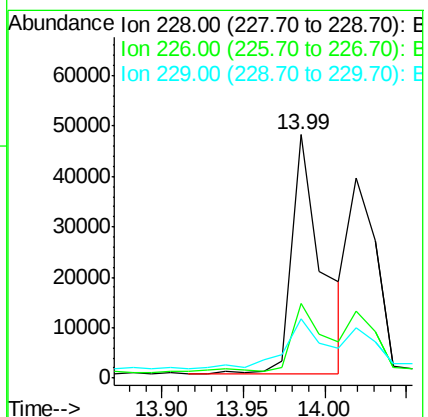
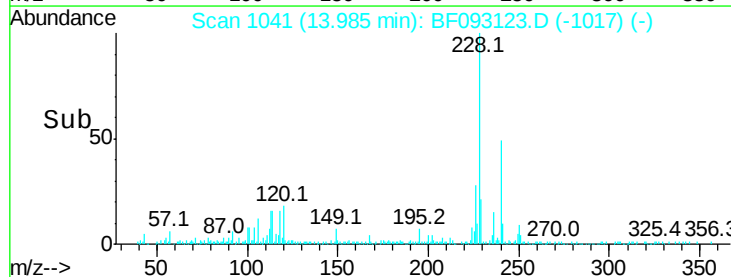
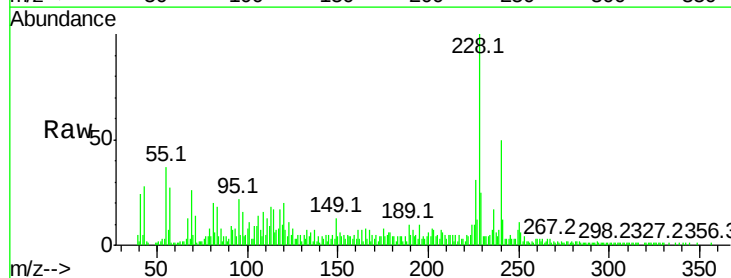
Tgt Ion:228 Resp: 61446

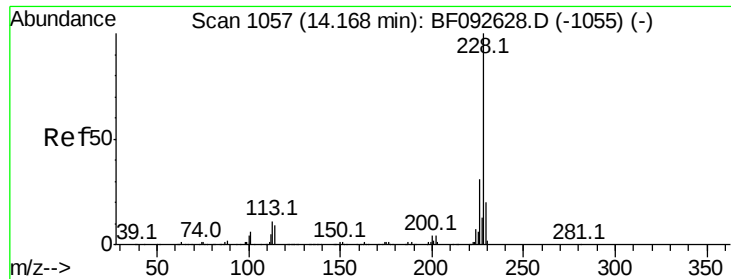
Ion Ratio Lower Upper

228 100

226 30.7 22.4 33.6

229 24.6 16.2 24.4#





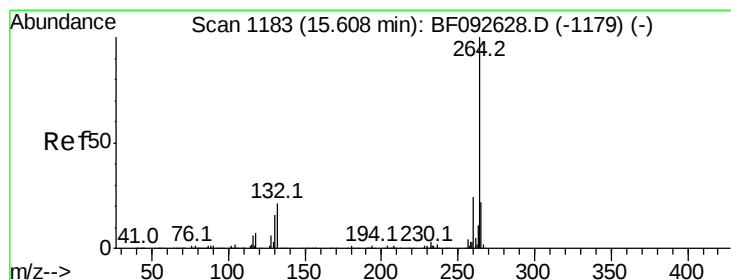
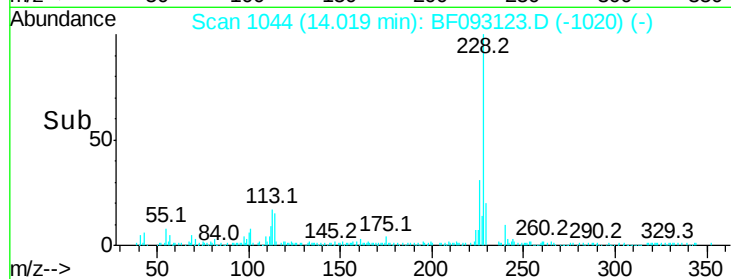
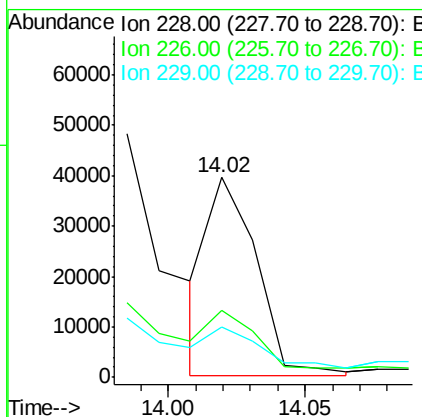
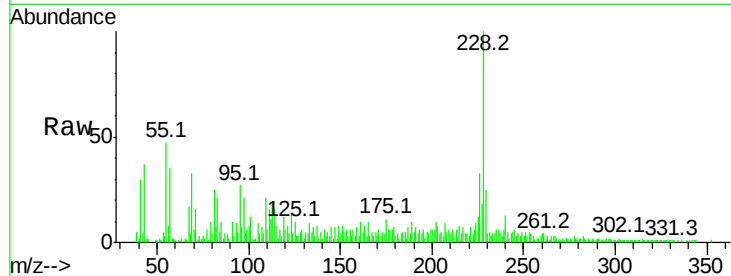
#82
Chrysene
Concen: 2.62 ng/ml
RT: 14.02 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BF093123.D
Acq: 24 Feb 2017 00:01

Instrument :
BNA_F
ClientSampleId :
CLP-B-01(0-5)

Tot Ion:	228	Resp:	48131
Ion Ratio	Lower	Upper	
228	100		
226	33.3	25.4	38.0
229	25.0	16.2	24.2

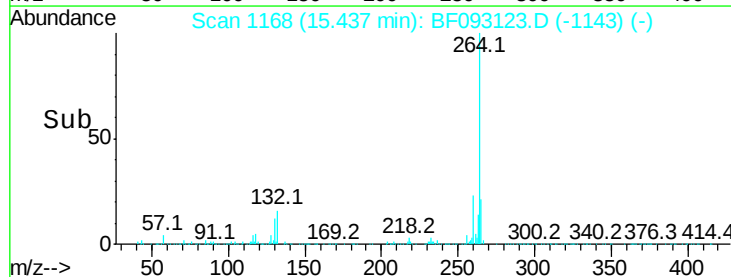
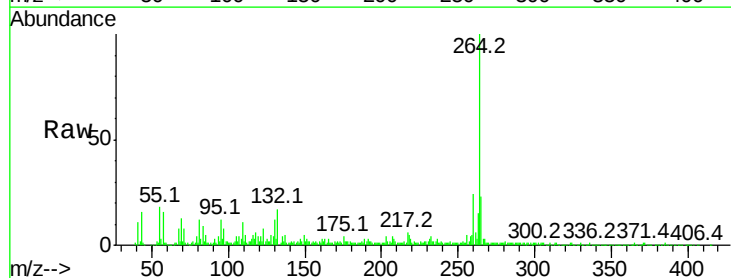
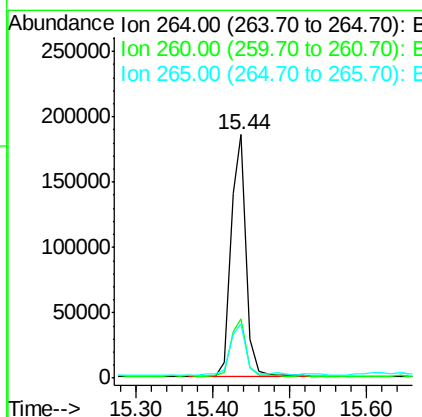
Manual Integrations
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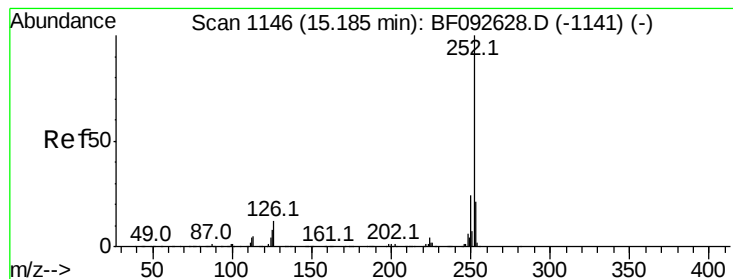
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093123.D
Acq: 24 Feb 2017 00:01

Tgt Ion:	264	Resp:	256870
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	22.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 3.67 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Instrument :

BNA_F

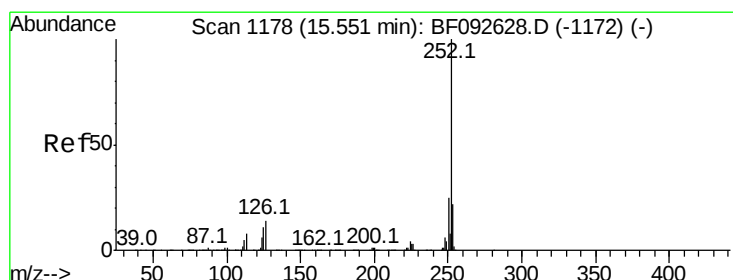
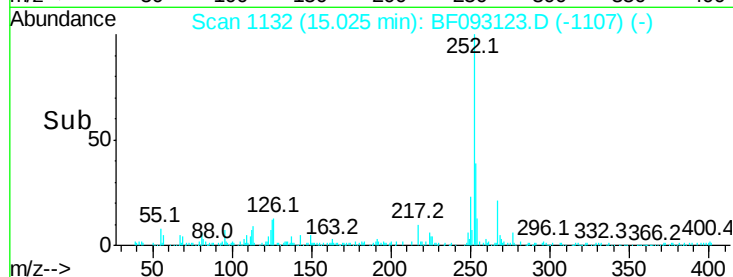
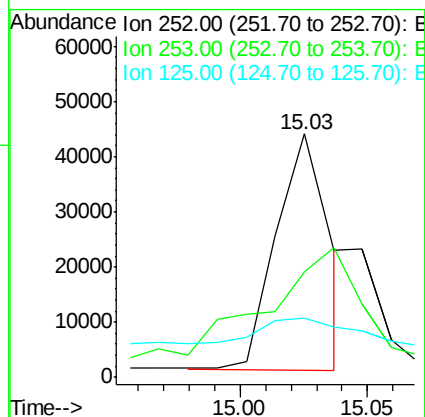
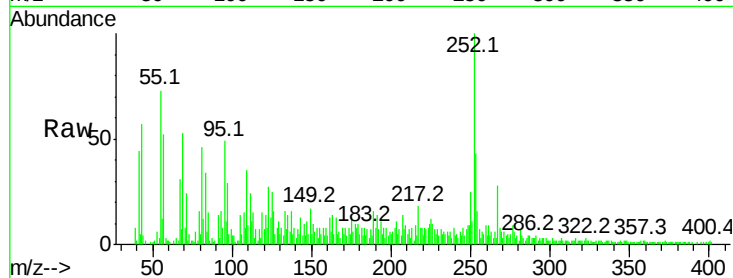
ClientSampleId :

CLP-B-01(0-5)

Tot Ion:	252	Resp:	61981
Ion Ratio	Lower	Upper	
252	100		
253	43.3	18.2	27.4#
125	24.6	9.8	14.6#

Manual Integrations
APPROVED

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#89

Benzo(a)pyrene

Concen: 2.90 ng

RT: 15.37 min Scan# 1162

Delta R.T. -0.02 min

Lab File: BF093123.D

Acq: 24 Feb 2017 00:01

Tgt Ion:	252	Resp:	42363
Ion Ratio	Lower	Upper	
252	100		
253	32.5	18.2	27.2#
125	34.3	10.0	15.0#

