

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071317\
 Data File : BE093458.D
 Acq On : 13 Jul 2017 14:38
 Operator : SJ/JU
 Sample : I4142-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-4BR-20170706

Manual Integrations
 APPROVED

mohammad
 7/17/2017 8:10:18 AM

Quant Time: Jul 13 16:17:14 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 06:40:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	4409	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	23132	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	14773	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	27103	0.40	ng	0.00
27) Chrysene-d12	21.42	240	39764	0.40	ng	-0.01
34) Perylene-d12	23.93	264	33747	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	2157	0.16	ng	0.00
5) Phenol-d6	7.10	99	2078	0.11	ng	0.00
8) Nitrobenzene-d5	9.08	82	5373	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	13015	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	1050	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.18	172	27723	0.48	ng	0.00
25) Fluoranthene-d10	19.28	212	160138	0.49	ng	0.00
29) Terphenyl-d14	19.87	244	31963	0.45	ng	0.00
Target Compounds						
21) Hexachlorobenzene	16.58	284	755	0.047	ng	Qvalue # 100
23) Phenanthrene	17.30	178	2122	0.022	ng	# 91
26) Fluoranthene	19.31	202	1913	0.021	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.33	149	27794	0.180	ng	# 66

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

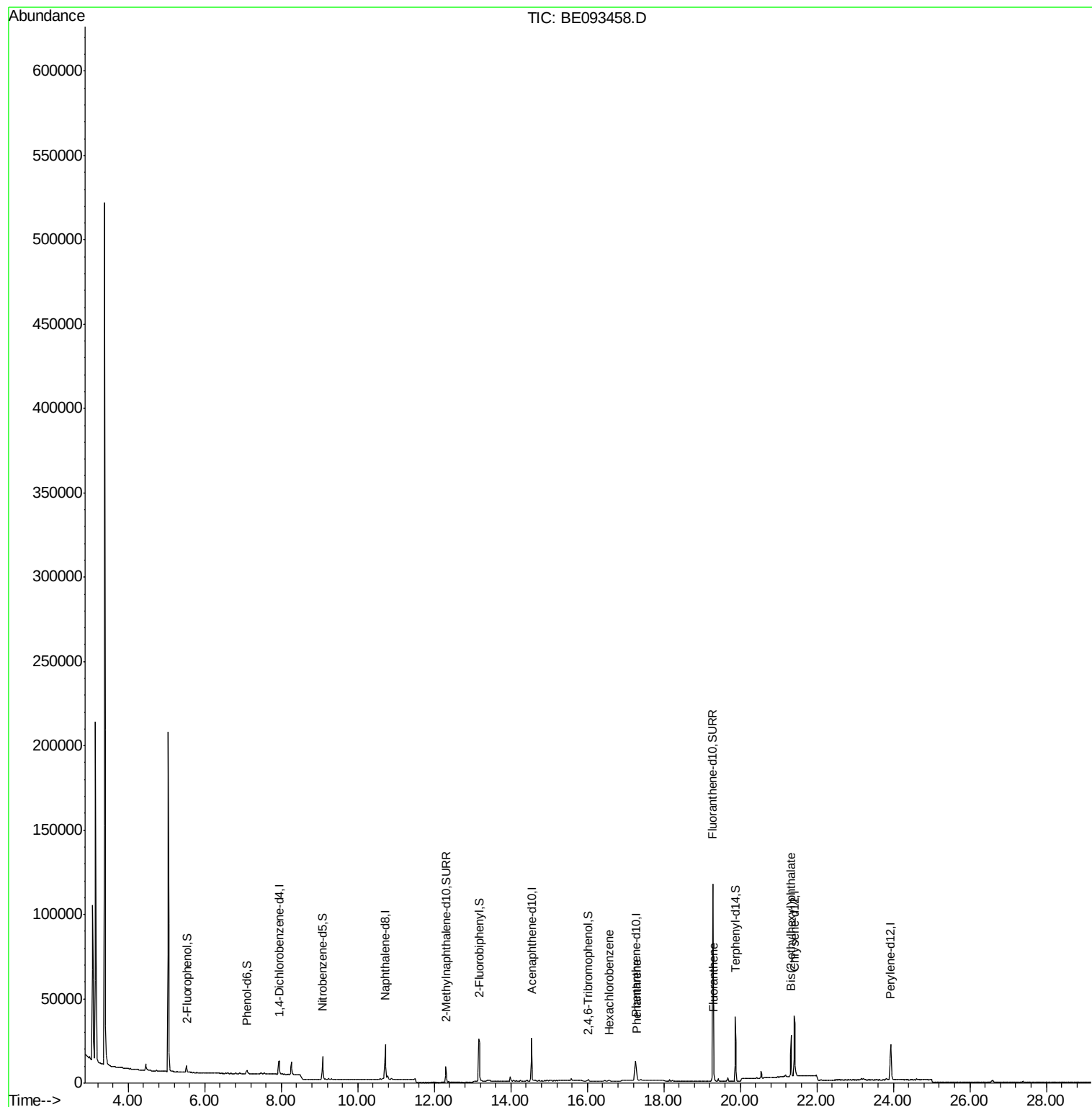
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071317\
Data File : BE093458.D
Acq On : 13 Jul 2017 14:38
Operator : SJ/JU
Sample : I4142-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

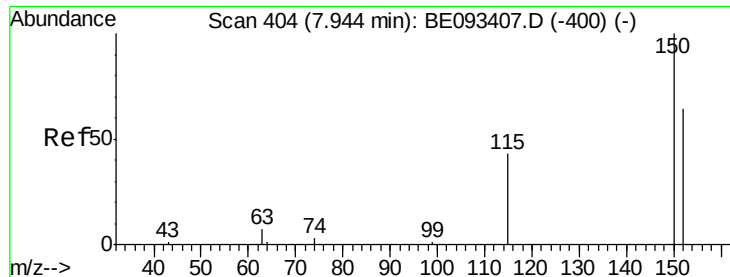
Instrument :
BNA_E
ClientSampleId :
MW-4BR-20170706

Manual Integrations
APPROVED

mohammad
7/17/2017 8:10:18 AM

Quant Time: Jul 13 16:17:14 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 06:40:23 2017
Response via : Initial Calibration

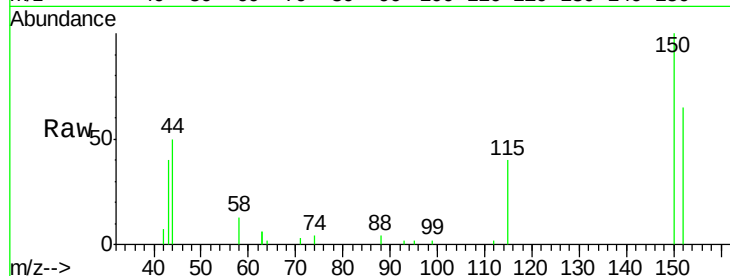




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.95 min Scan# 404
Delta R.T. 0.00 min
Lab File: BE093458.D
Acq: 13 Jul 2017 14:38

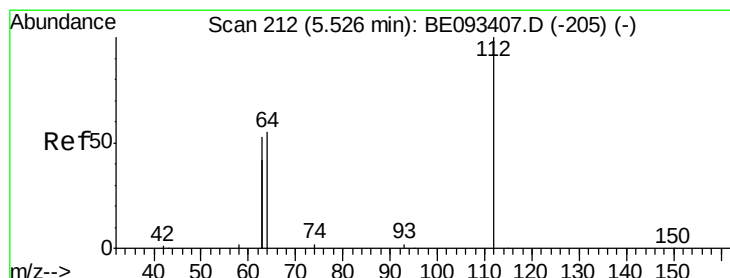
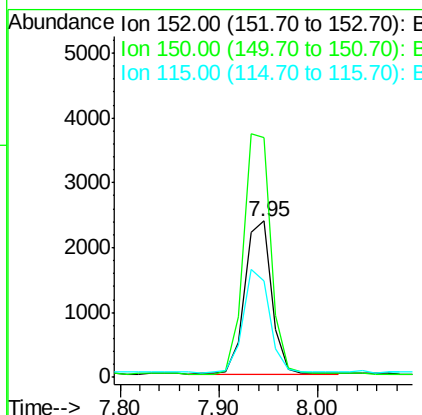
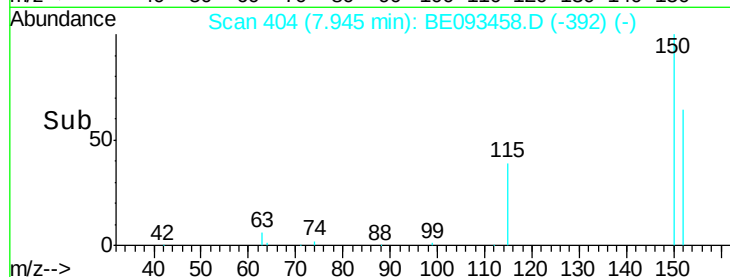
Instrument :
BNA_E
ClientSampleId :
MW-4BR-20170706



Tgt Ion:152 Resp: 4409
Ion Ratio Lower Upper
152 100
150 153.4 125.1 187.7
115 62.0 55.7 83.5

Manual Integrations
APPROVED

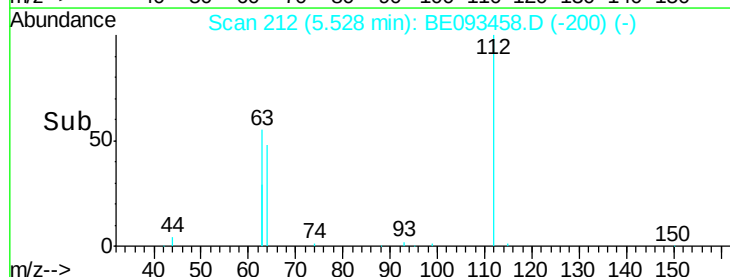
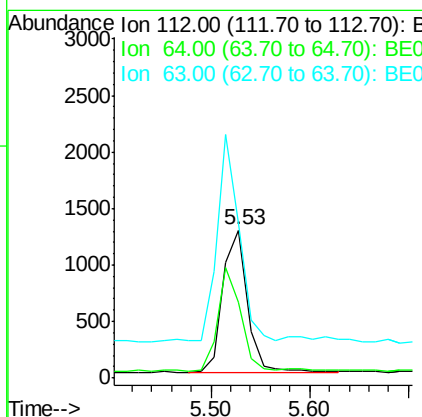
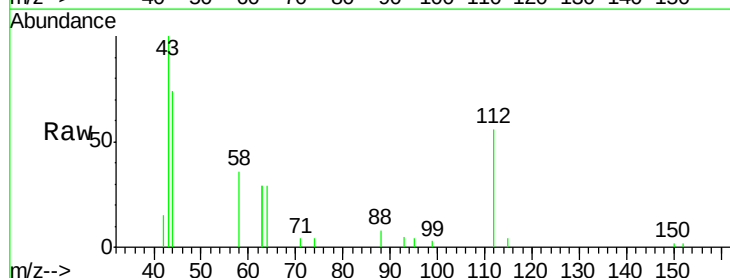
mohammad
7/17/2017 8:10:18 AM

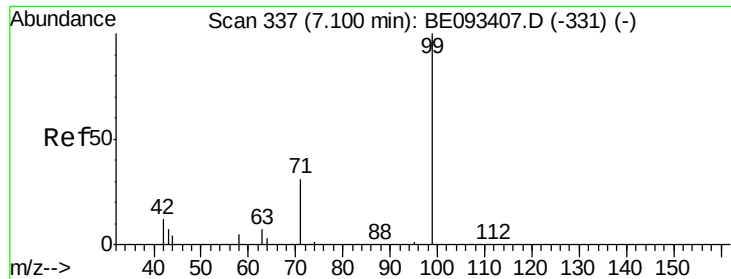


#4

2-Fluorophenol
Concen: 0.162 ng
RT: 5.53 min Scan# 212
Delta R.T. 0.00 min
Lab File: BE093458.D
Acq: 13 Jul 2017 14:38

Tgt Ion:112 Resp: 2157
Ion Ratio Lower Upper
112 100
64 71.2 56.4 84.6
63 134.5 29.3 43.9#





#5

Phenol-d6

Concen: 0.106 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

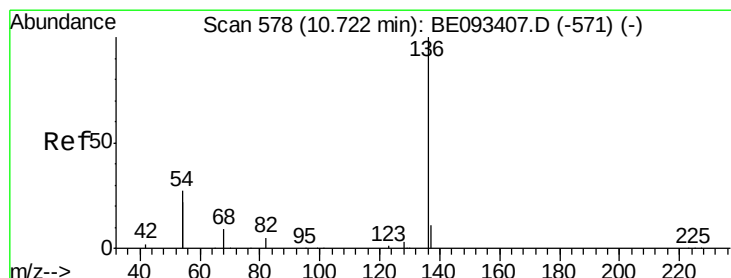
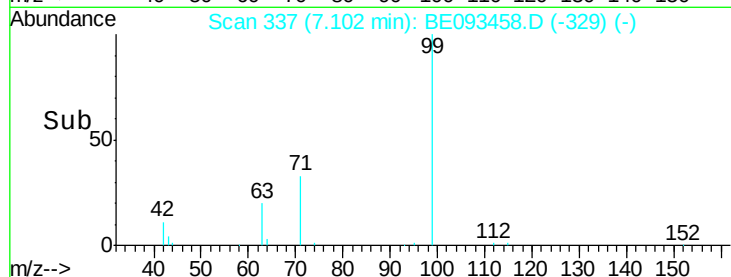
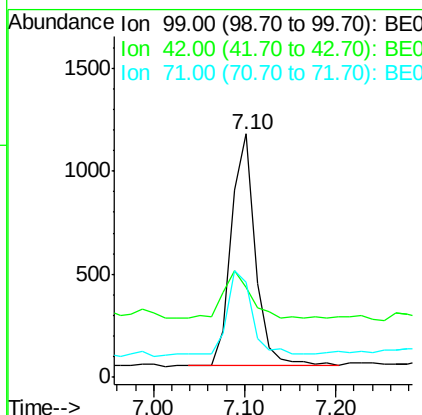
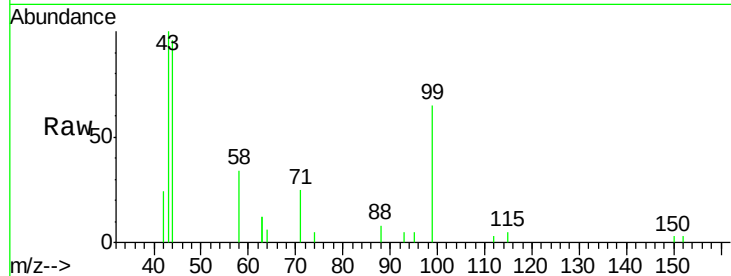
ClientSampleId :

MW-4BR-20170706

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	2078		
42	23.7	0.0	0.0#	
71	36.0	0.0	0.0#	

Manual Integrations
APPROVED

mohammad
7/17/2017 8:10:18 AM



#7

Naphthalene-d8

Concen: 0.400 ng

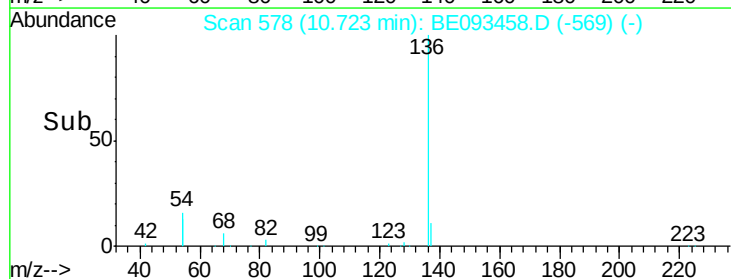
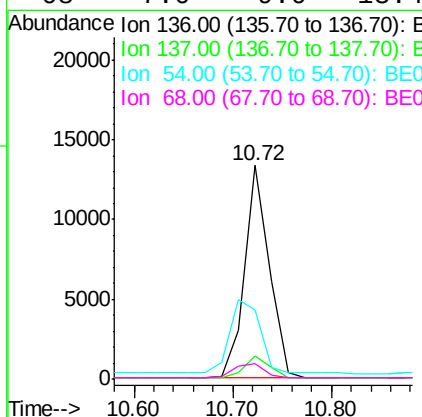
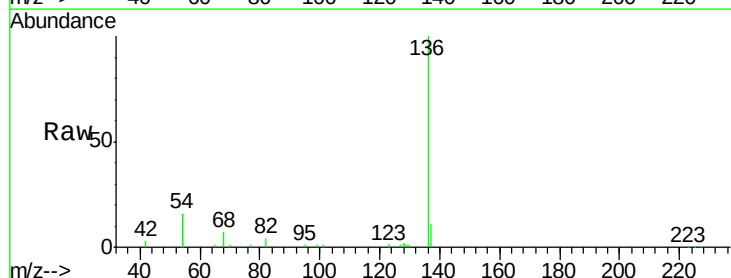
RT: 10.72 min Scan# 578

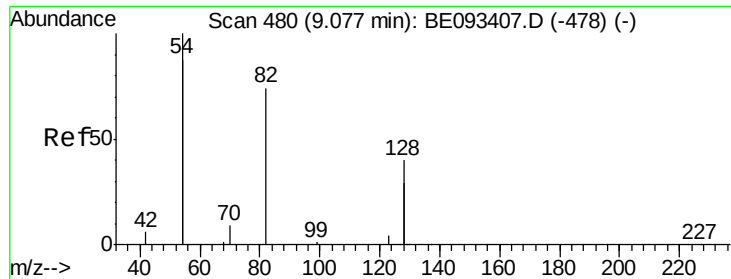
Delta R.T. 0.00 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	23132		
137	11.0	9.8	14.8	
54	32.1	10.3	15.5#	
68	7.0	9.0	13.4#	





#8

Nitrobenzene-d5

Concen: 0.364 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

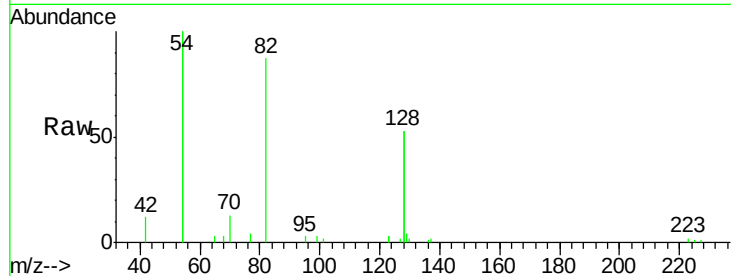
ClientSampleId :

MW-4BR-20170706

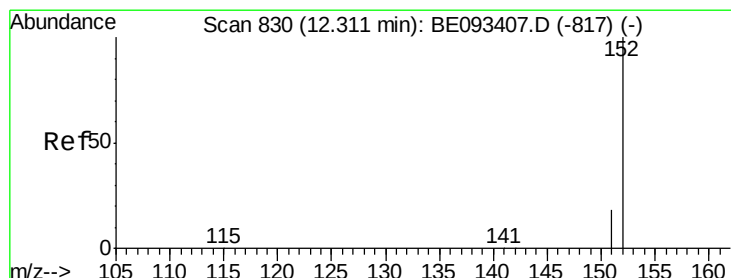
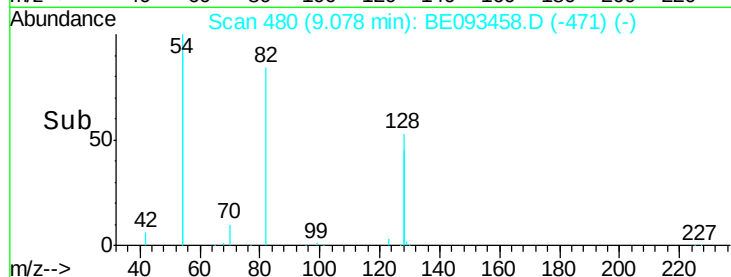
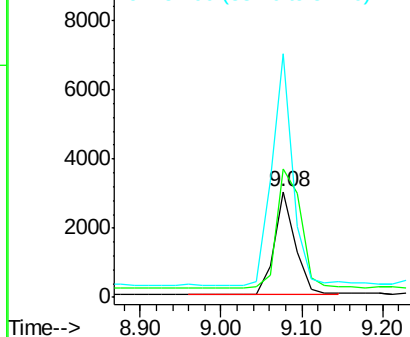
Tgt Ion:	82	Resp:	5373
Ion Ratio	Lower	Upper	
82	100		
128	122.1	17.0	25.4#
54	230.7	53.8	80.6#

Manual Integrations
APPROVED

mohammad
7/17/2017 8:10:18 AM



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.353 ng

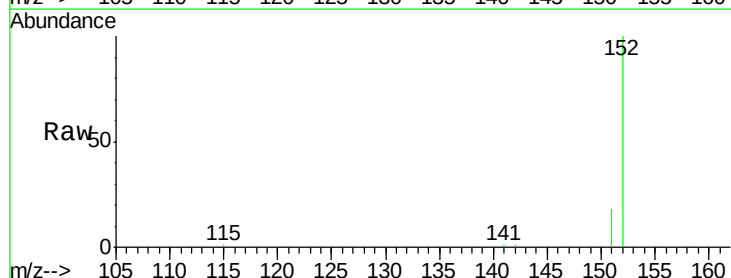
RT: 12.31 min Scan# 829

Delta R.T. -0.00 min

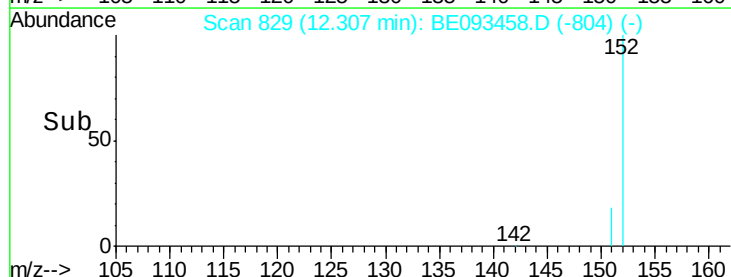
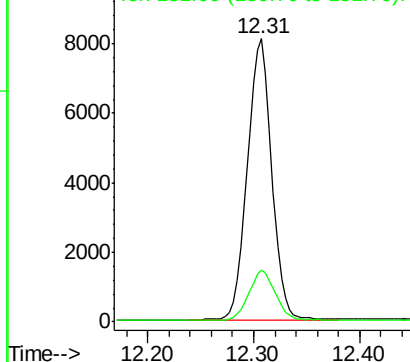
Lab File: BE093458.D

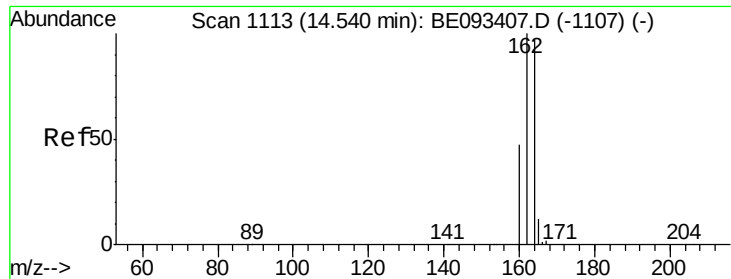
Acq: 13 Jul 2017 14:38

Tgt Ion:	152	Resp:	13015
Ion Ratio	Lower	Upper	
152	100		
151	19.0	15.1	22.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE093458.D

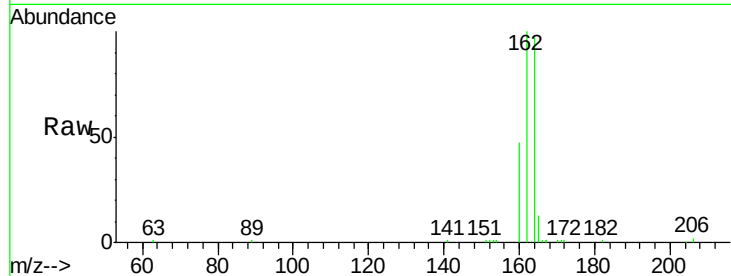
Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

ClientSampleId :

MW-4BR-20170706



Tgt Ion:164 Resp: 14773

Ion Ratio Lower Upper

164 100

162 102.7 84.6 127.0

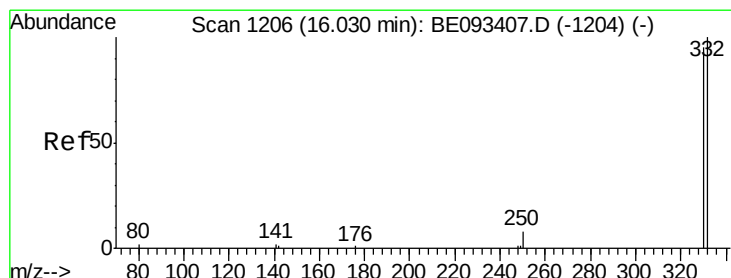
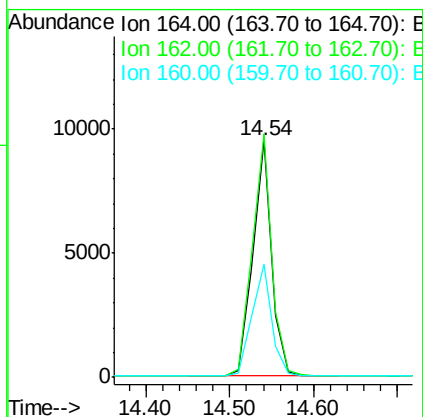
160 47.8 41.8 62.6

Manual Integrations

APPROVED

mohammad

7/17/2017 8:10:18 AM



#14

2,4,6-Tribromophenol

Concen: 0.226 ng

RT: 16.03 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

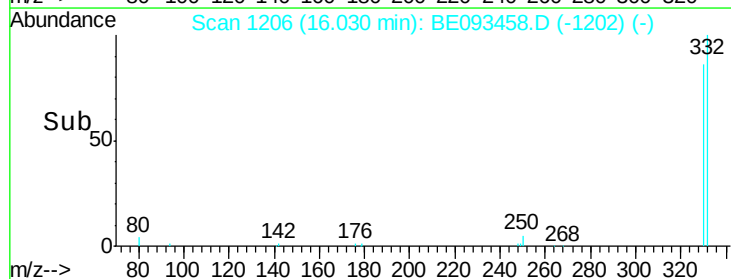
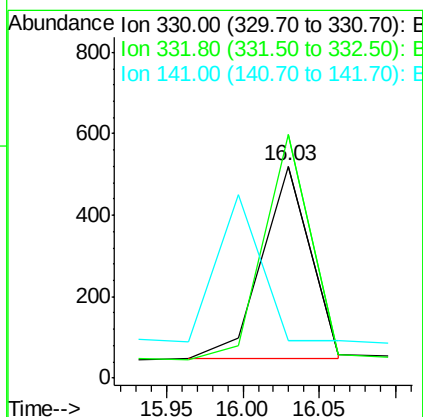
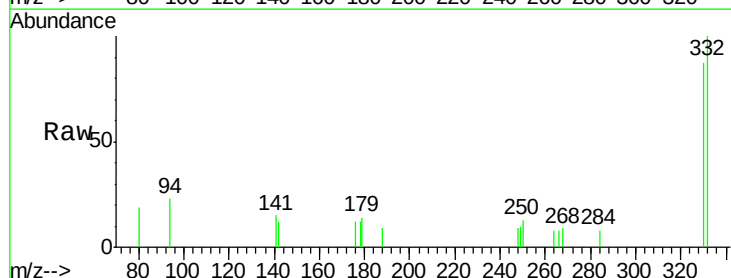
Tgt Ion:330 Resp: 1050

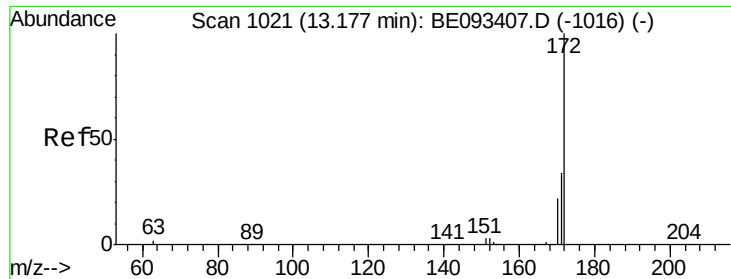
Ion Ratio Lower Upper

330 100

332 111.2 77.7 116.5

141 0.0 56.2 84.4#





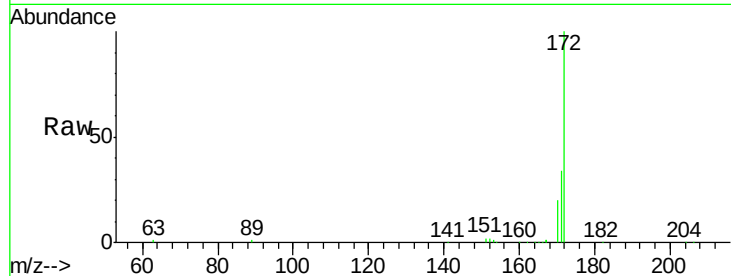
#15
2-Fluorobiphenyl
Concen: 0.483 ng
RT: 13.18 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BE093458.D
Acq: 13 Jul 2017 14:38

Instrument :
BNA_E
ClientSampleId :
MW-4BR-20170706

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.8	44.6
170	20.1	20.7	31.1#

Manual Integrations
APPROVED

mohammad
7/17/2017 8:10:18 AM

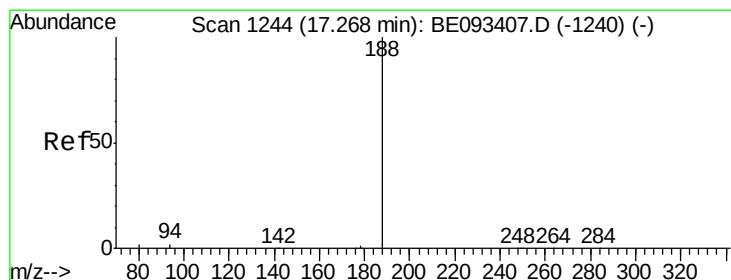
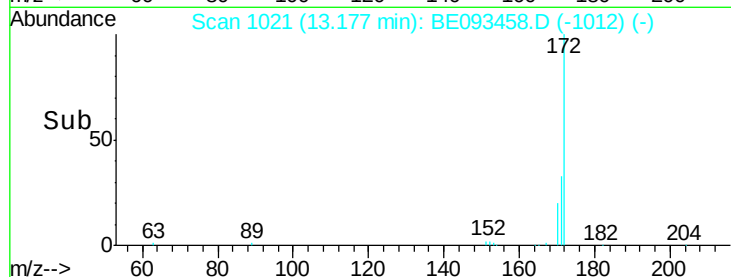
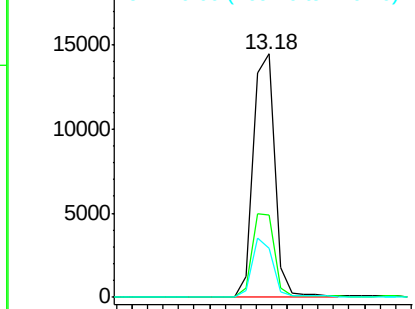


Abundance

Ion 172.00 (171.70 to 172.70): E

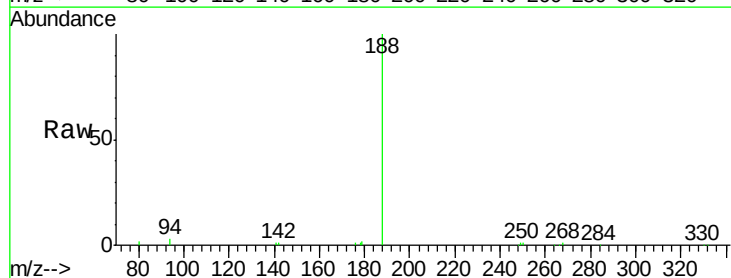
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093458.D
Acq: 13 Jul 2017 14:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.0	11.3	16.9#
80	2.3	11.7	17.5#

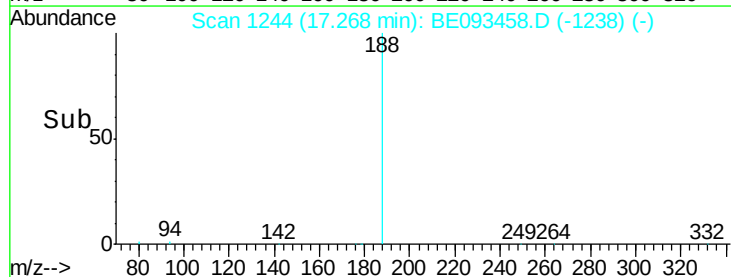
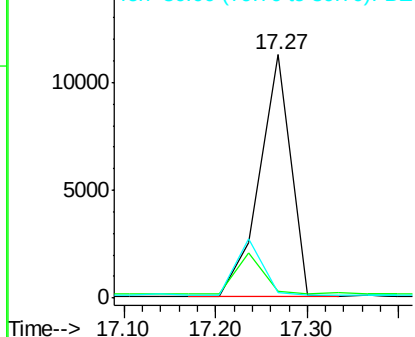


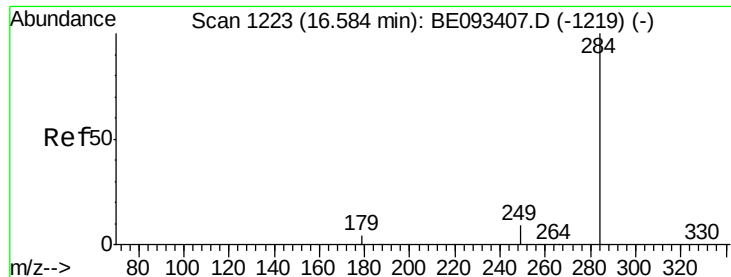
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#21

Hexachlorobenzene

Concen: 0.047 ng

RT: 16.58 min Scan# 1223

Delta R.T. -0.00 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

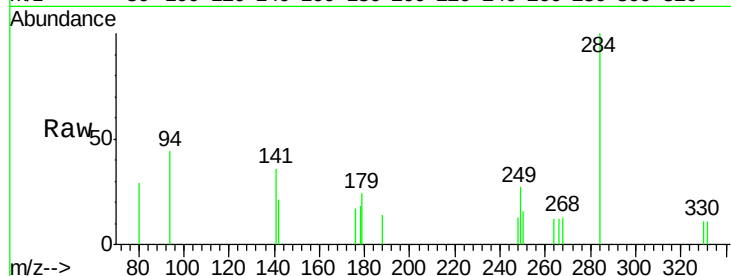
ClientSampleId :

MW-4BR-20170706

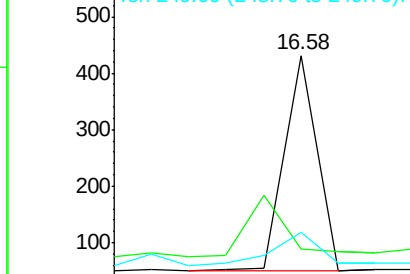
Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	22.8	0.0	0.0#

Manual Integrations
APPROVED

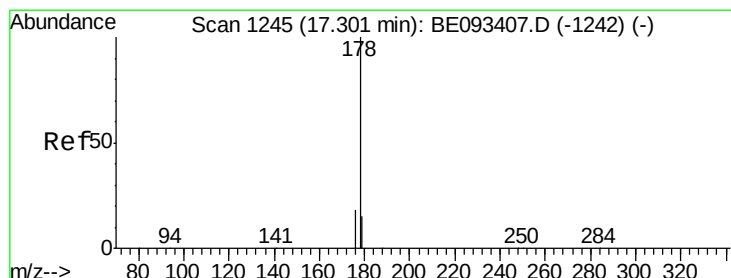
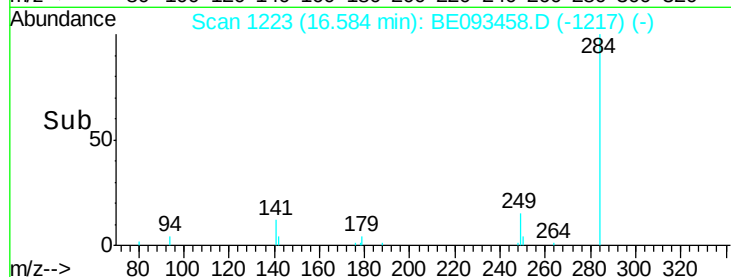
mohammad
7/17/2017 8:10:18 AM



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time-->



#23

Phenanthrene

Concen: 0.022 ng

RT: 17.30 min Scan# 1245

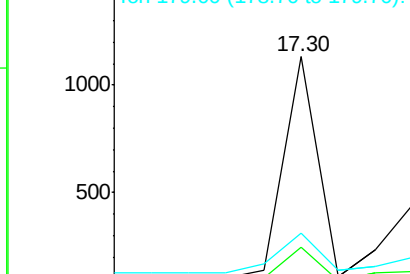
Delta R.T. -0.00 min

Lab File: BE093458.D

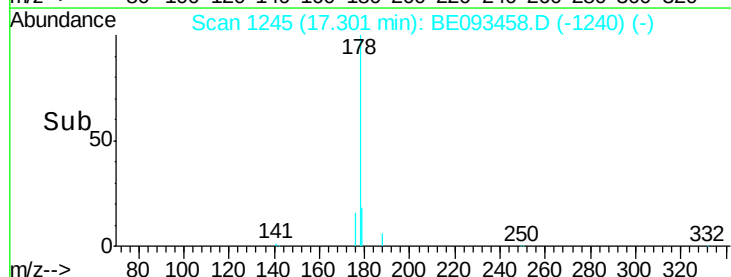
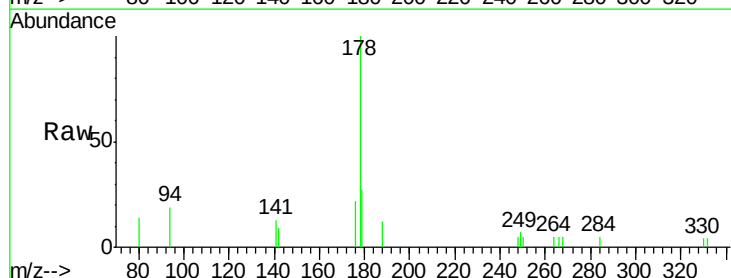
Acq: 13 Jul 2017 14:38

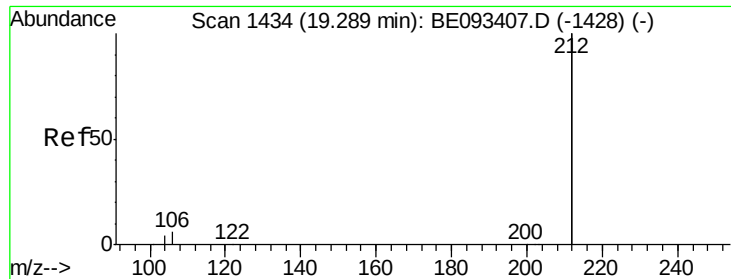
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.0	22.4
179	22.6	12.7	19.1#

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.490 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

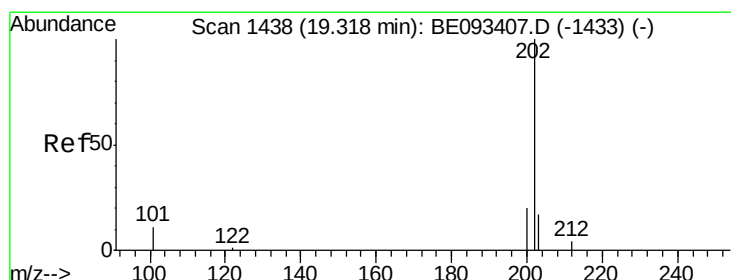
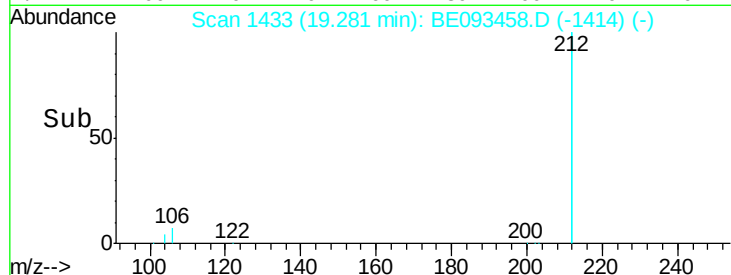
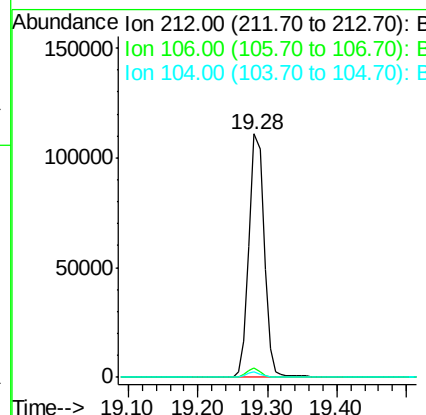
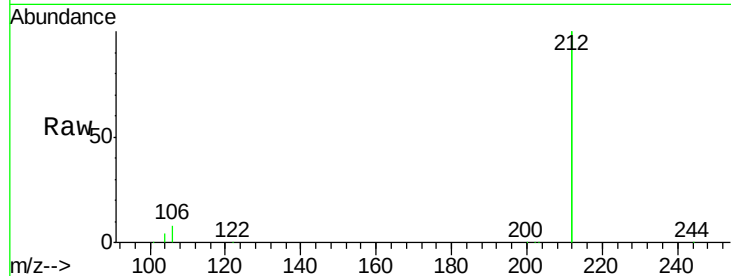
ClientSampleId :

MW-4BR-20170706

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	160138		
106	3.5		2.4	3.6
104	2.0		1.6	2.4

Manual Integrations
APPROVED

mohammad
7/17/2017 8:10:18 AM



#26

Fluoranthene

Concen: 0.021 ng

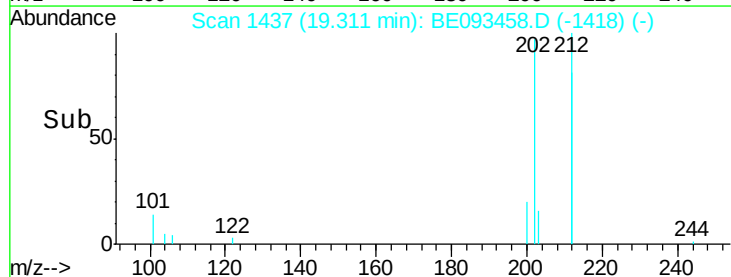
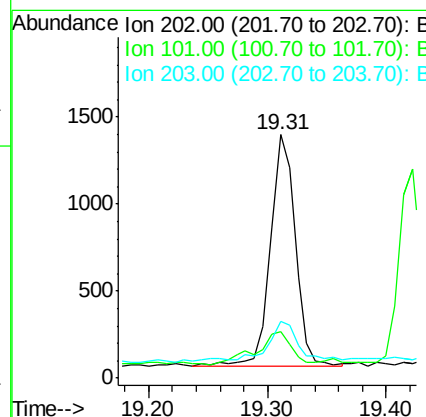
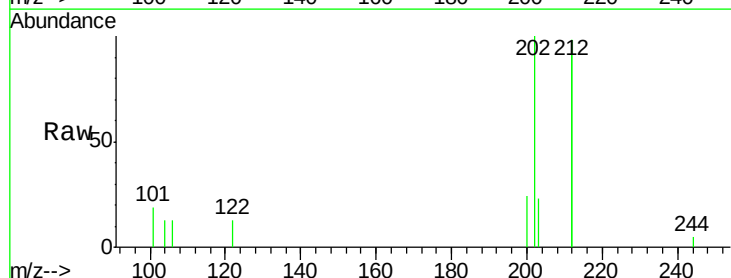
RT: 19.31 min Scan# 1437

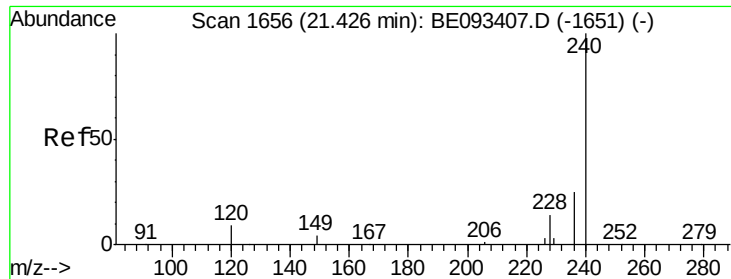
Delta R.T. -0.01 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1913		
101	20.6		9.6	14.4#
203	19.2		14.4	21.6





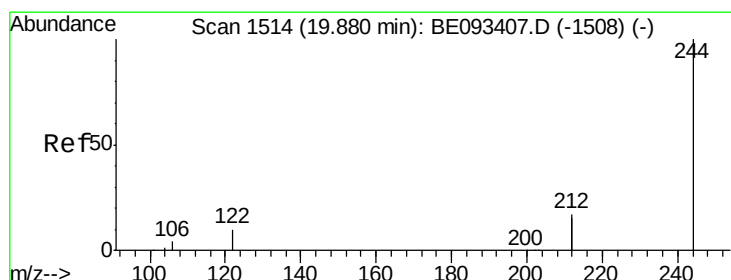
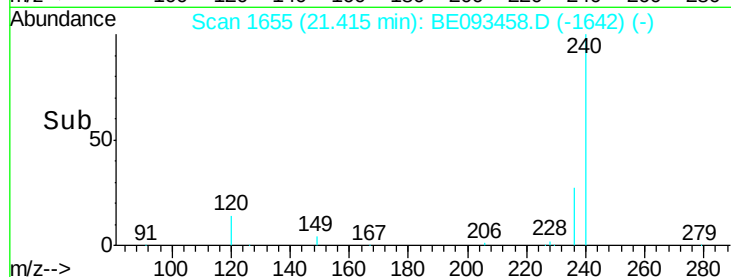
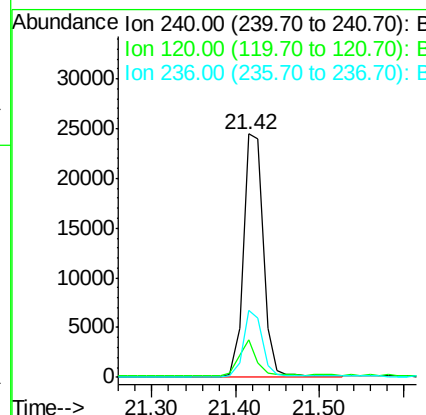
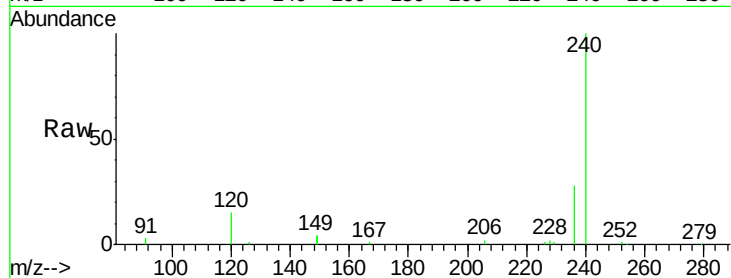
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.42 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE093458.D
 Acq: 13 Jul 2017 14:38

Instrument :
 BNA_E
 ClientSampleId :
 MW-4BR-20170706

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.3	4.6	7.0#
236	27.6	20.8	31.2

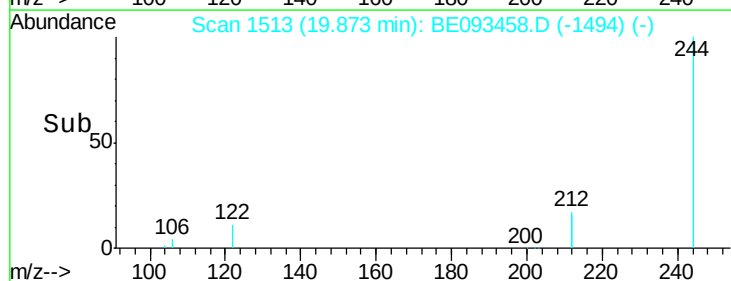
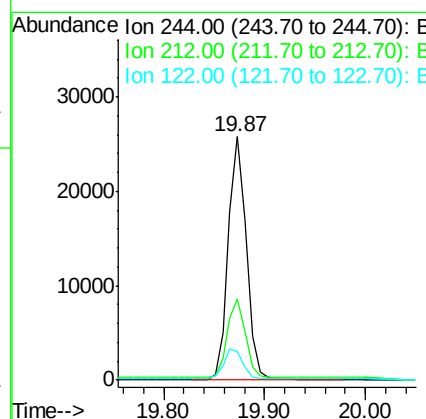
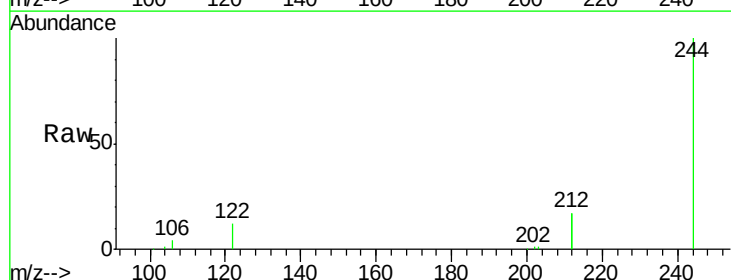
Manual Integrations
 APPROVED

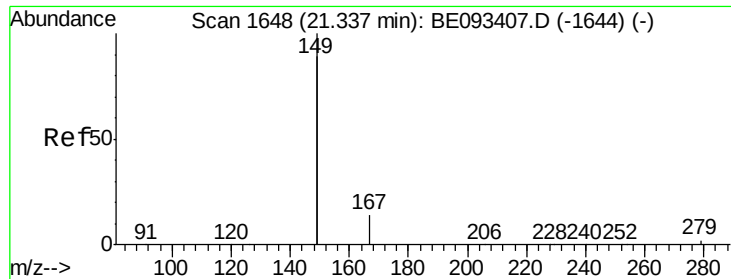
mohammad
 7/17/2017 8:10:18 AM



#29
 Terphenyl-d14
 Concen: 0.450 ng
 RT: 19.87 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: BE093458.D
 Acq: 13 Jul 2017 14:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	33.5	10.6	16.0#
122	11.7	15.4	23.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.180 ng

RT: 21.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Instrument :

BNA_E

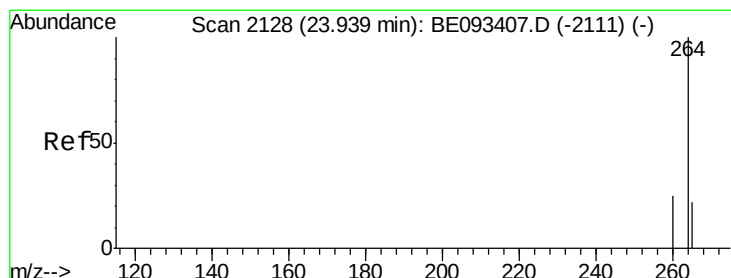
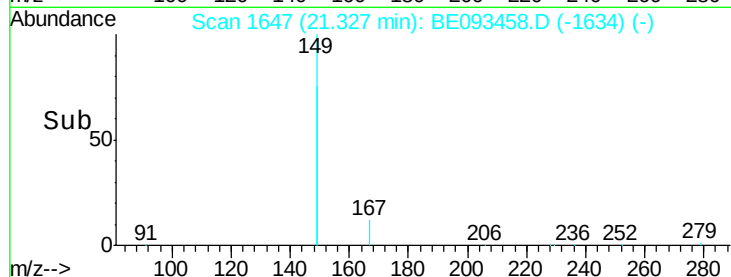
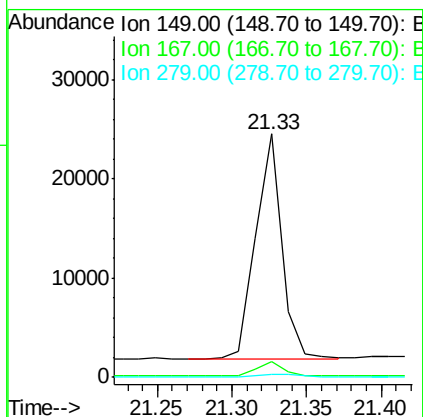
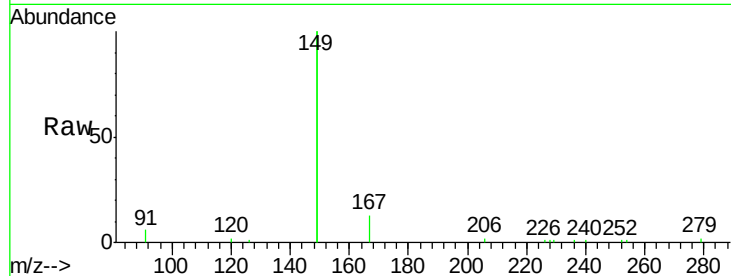
ClientSampleId :

MW-4BR-20170706

Tgt Ion:	149	Resp:	27794
Ion Ratio	Lower	Upper	
149	100		
167	6.3	20.1	30.1#
279	1.1	2.2	3.4#

Manual Integrations
APPROVED

mohammad
7/17/2017 8:10:18 AM



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BE093458.D

Acq: 13 Jul 2017 14:38

Tgt Ion:	264	Resp:	33747
Ion Ratio	Lower	Upper	
264	100		
260	25.3	21.0	31.4
265	27.9	24.6	36.8

