

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112415\
 Data File : BE091316.D
 Acq On : 24 Nov 2015 9:29
 Operator : UM/NP
 Sample : G4322-08RXDL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HR9RXDL

Manual Integrations
 APPROVED

Mmdadoda
 11/24/2015 1:08:00 PM

Quant Time: Nov 24 11:17:56 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 02:51:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2034	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.56	136	9692	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4641	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	13954	0.40	ng/ul	0.00
18) Chrysene-d12	20.22	240	18776	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	17094	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.99	96	1376	0.94	ng/uL	0.03
6) 2-Methylnaphthalene-d10	11.09	152	235	0.02	ng/ul	0.02
16) Fluoranthene-d10	18.07	212	570	0.01	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.60	128	16748	0.70	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	747	0.05	ng/ul	99
10) Acenaphthene	13.42	153	817	0.05	ng/ul#	85
11) Fluorene	14.41	166	1109	0.05	ng/ul#	93
14) Phenanthrene	16.12	178	124989	0.78	ng/ul	97
15) Anthracene	16.20	178	29266m	0.20	ng/ul	
17) Fluoranthene	18.09	202	161590	0.86	ng/ul	88
19) Pyrene	18.47	202	237903	1.12	ng/ul#	80
20) Benzo(a)anthracene	20.20	228	23588m	0.49	ng/ul	
21) Chrysene	20.26	228	27098	0.49	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	14048	0.26	ng/ul	97
24) Benzo(k)fluoranthene	21.58	252	15637	0.29	ng/ul#	93
25) Benzo(a)pyrene	22.01	252	20285	0.41	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	23.70	276	34594	0.17	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.65	278	3340	0.07	ng/ul#	68
28) Benzo(g,h,i)perylene	24.25	276	39113	0.18	ng/ul	98

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

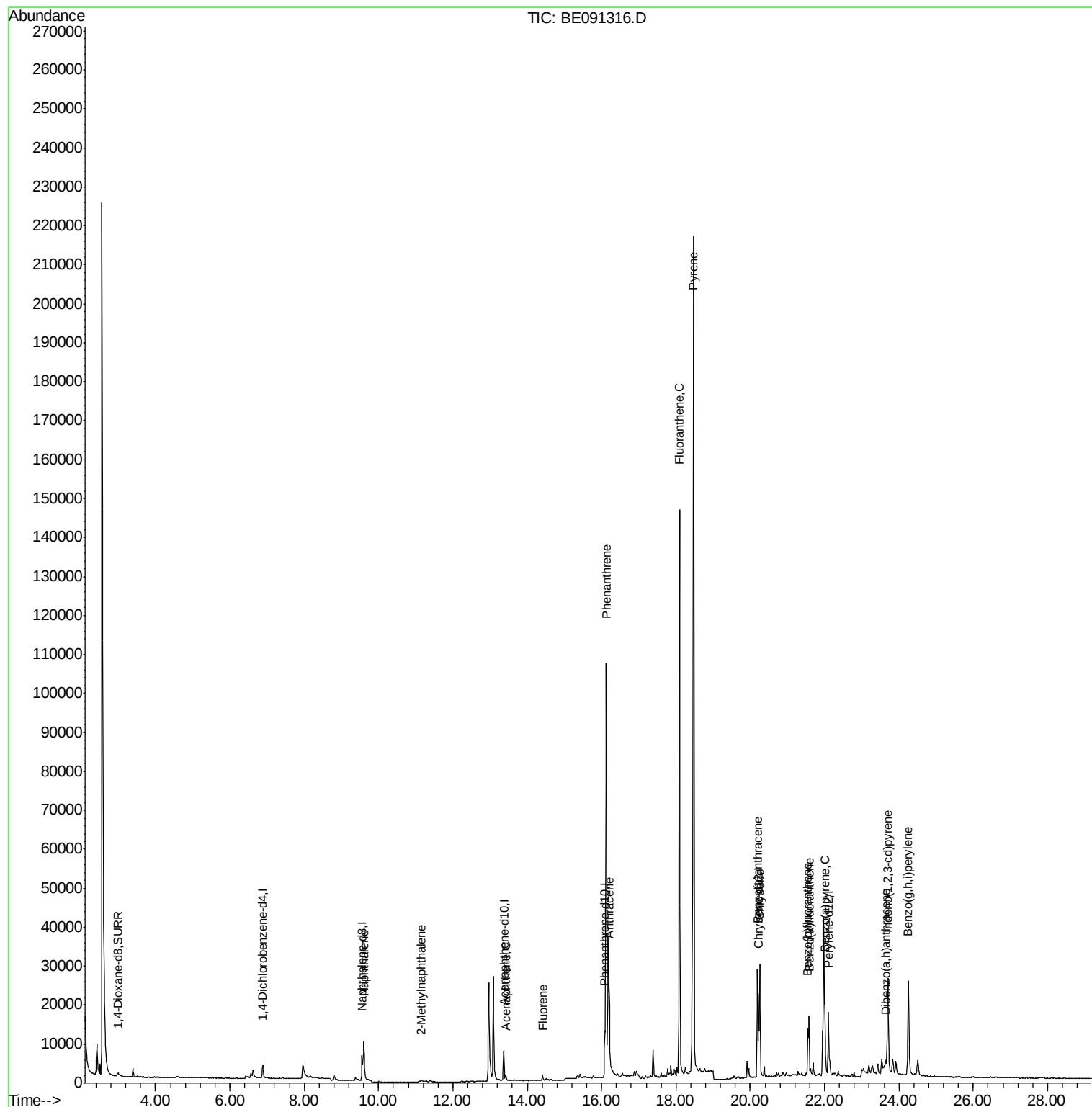
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112415\
Data File : BE091316.D
Acq On : 24 Nov 2015 9:29
Operator : UM/NP
Sample : G4322-08RXDL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

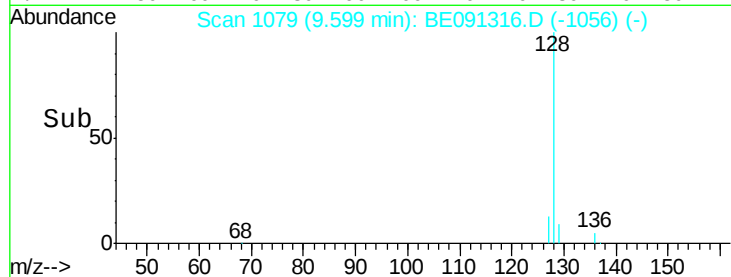
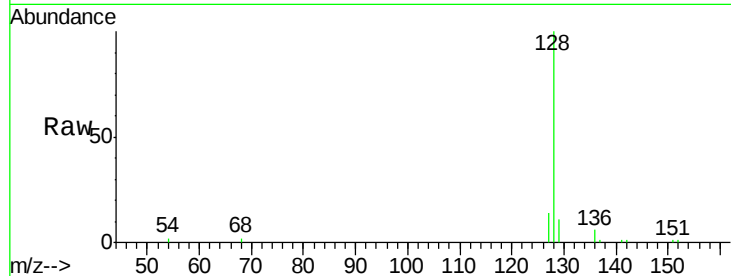
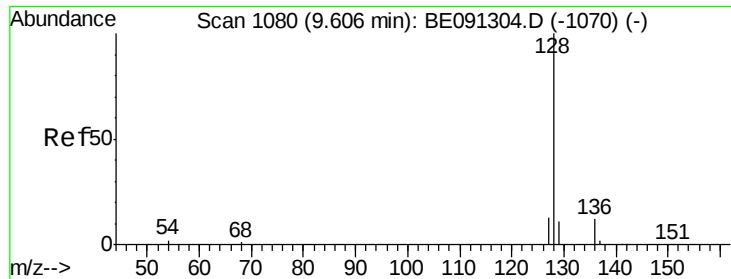
Instrument :
BNA_E
ClientSampleId :
A4HR9RXDL

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:08:00 PM

Quant Time: Nov 24 11:17:56 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 24 02:51:08 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.70 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Tgt Ion:	128	Resp:	16748
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.8	14.8
127	14.0	10.7	16.1

Instrument :

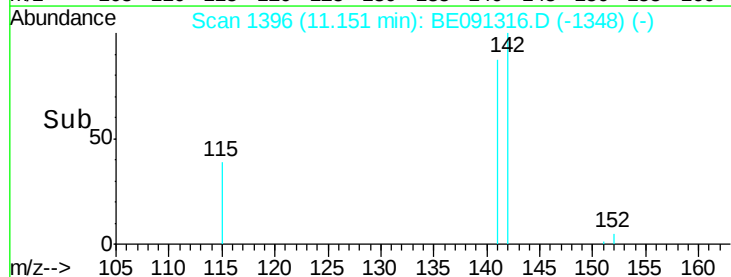
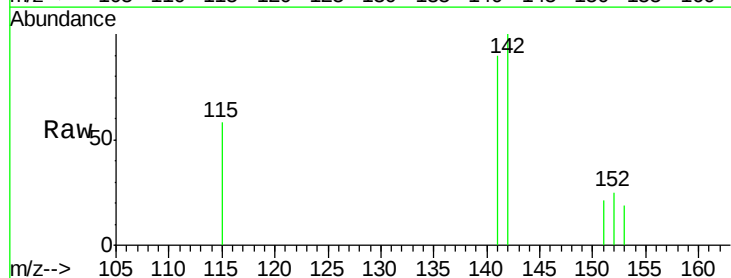
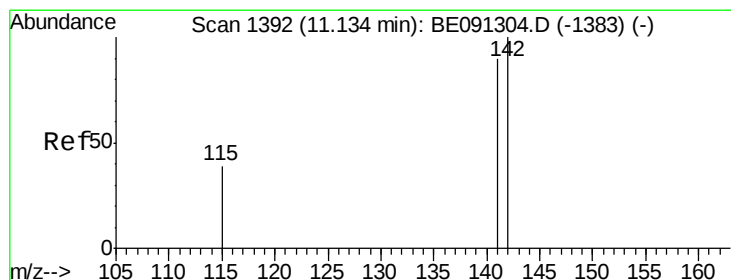
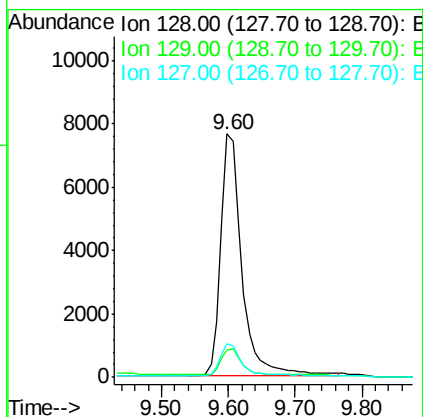
BNA_E

ClientSampleId :

A4HR9RXDL

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:08:00 PM



#7

2-Methylnaphthalene

Concen: 0.05 ng/ul

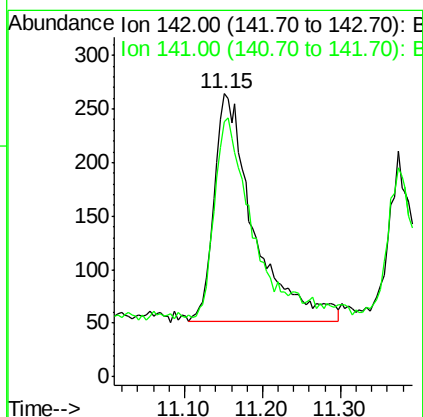
RT: 11.15 min Scan# 1396

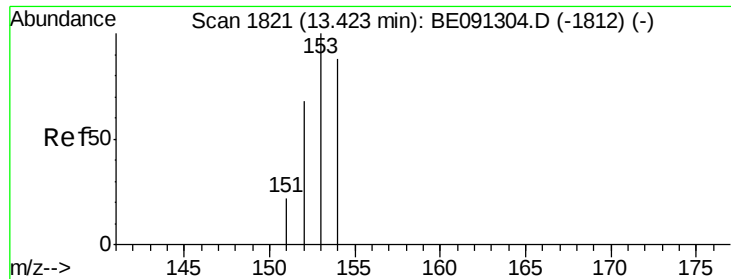
Delta R.T. 0.02 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Tgt Ion:	142	Resp:	747
Ion Ratio	Lower	Upper	
142	100		
141	86.7	70.3	105.5





#10

Acenaphthene

Concen: 0.05 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

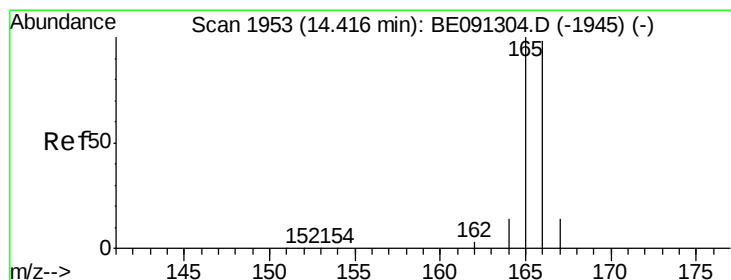
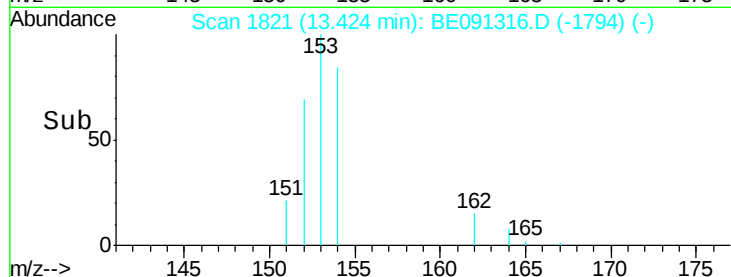
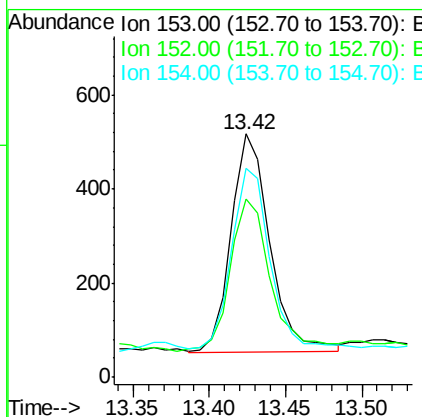
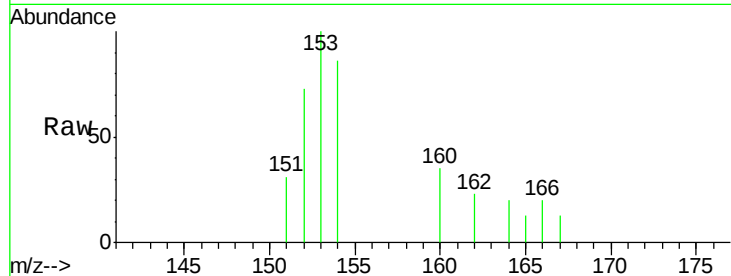
ClientSampleId :

A4HR9RXDL

Tgt Ion:	153	Resp:	817
Ion Ratio	Lower	Upper	
153	100		
152	73.1	42.3	63.5#
154	85.7	64.7	97.1

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:08:00 PM



#11

Fluorene

Concen: 0.05 ng/ul

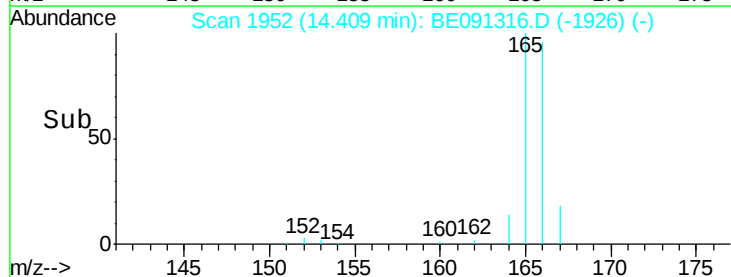
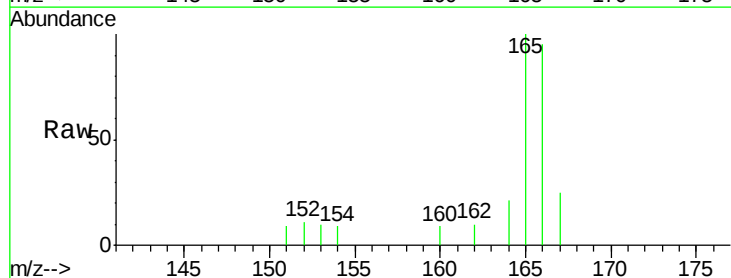
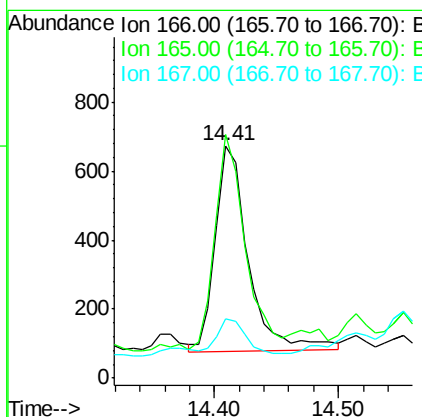
RT: 14.41 min Scan# 1952

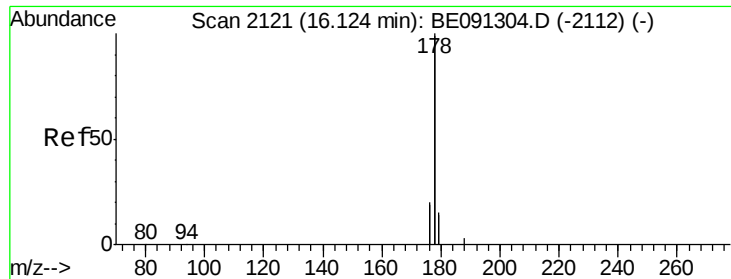
Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Tgt Ion:	166	Resp:	1109
Ion Ratio	Lower	Upper	
166	100		
165	104.7	87.6	131.4
167	25.7	11.1	16.7#





#14

Phenanthrene

Concen: 0.78 ng/ul

RT: 16.12 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BE091316.D

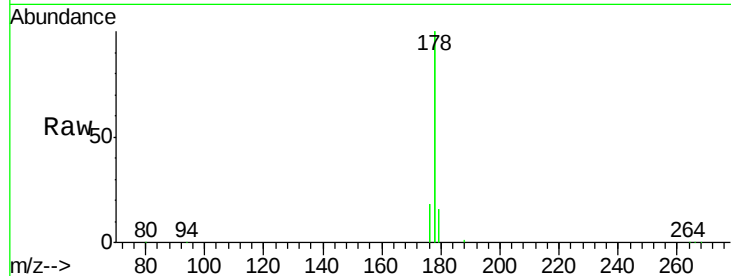
Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

ClientSampleId :

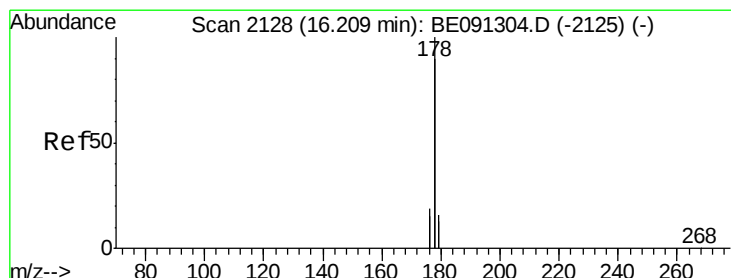
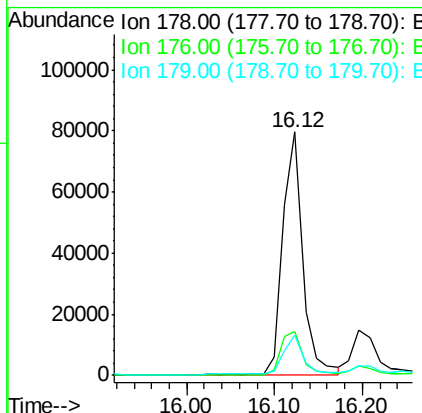
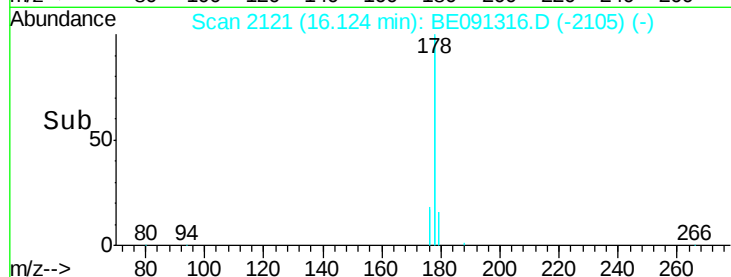
A4HR9RXDL



Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.2	24.4
179	16.4	12.8	19.2

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:08:00 PM



#15

Anthracene

Concen: 0.20 ng/ul m

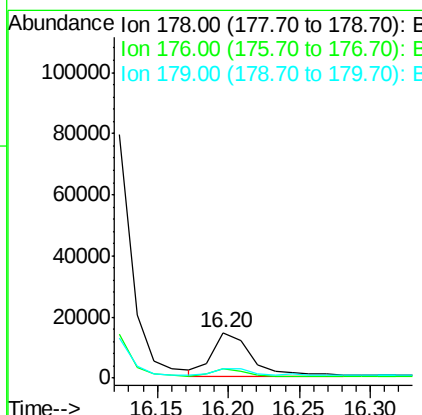
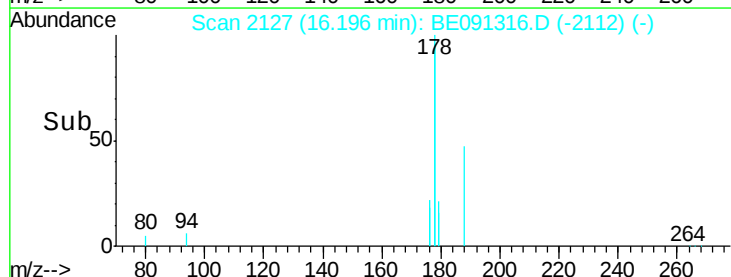
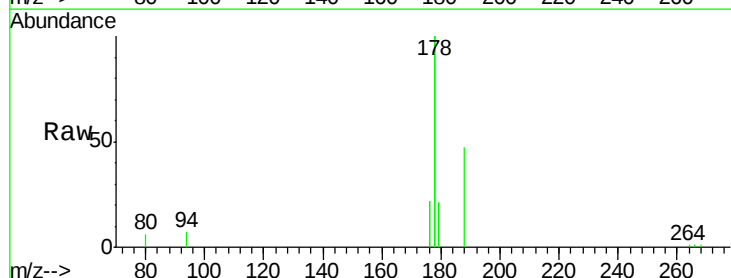
RT: 16.20 min Scan# 2127

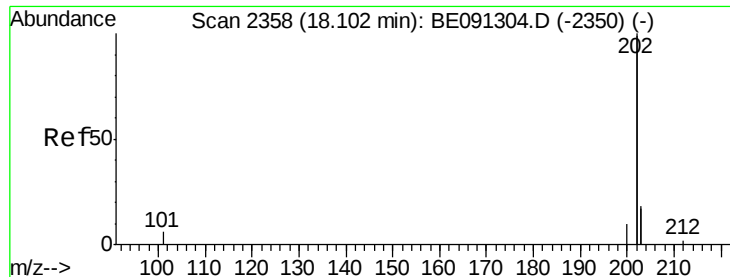
Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.5	15.8	23.8
179	20.6	13.3	19.9#





#17

Fluoranthene

Concen: 0.86 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091316.D

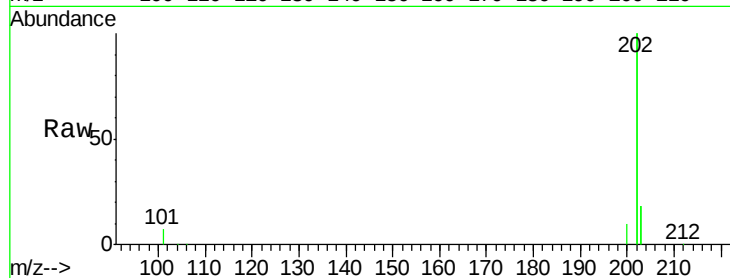
Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

ClientSampleId :

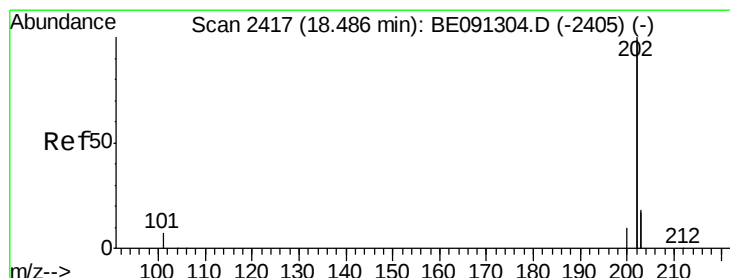
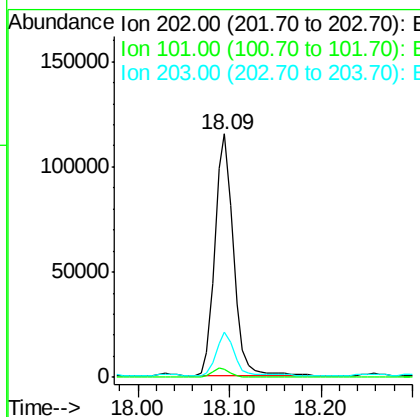
A4HR9RXDL



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	161590		
101	3.4	0.0	33.1	
203	18.3	0.0	37.2	

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:08:00 PM



#19

Pyrene

Concen: 1.12 ng/ul

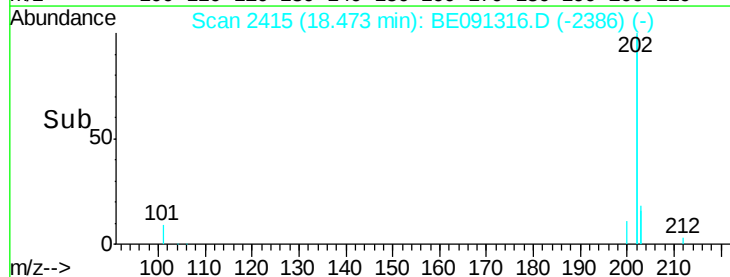
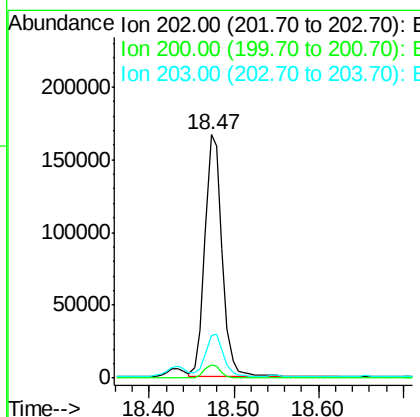
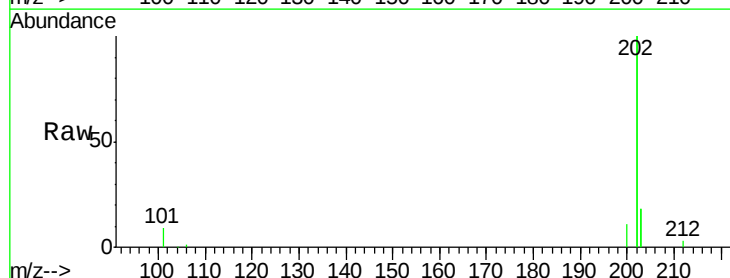
RT: 18.47 min Scan# 2415

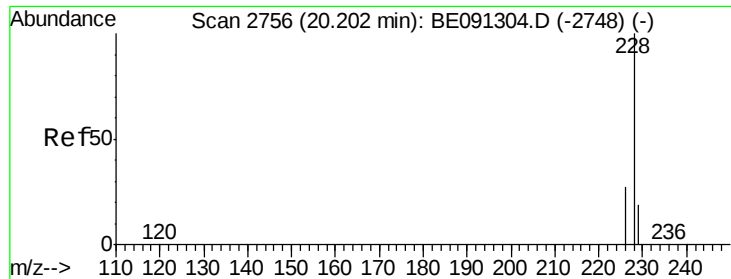
Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	237903		
200	5.5	18.0	27.0#	
203	17.6	13.8	20.6	





#20

Benzo(a)anthracene

Concen: 0.49 ng/ul m

RT: 20.20 min Scan# 2755

Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

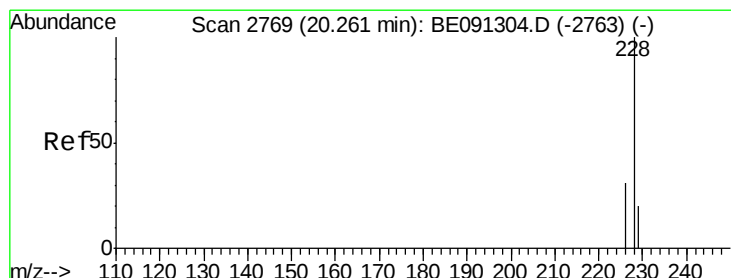
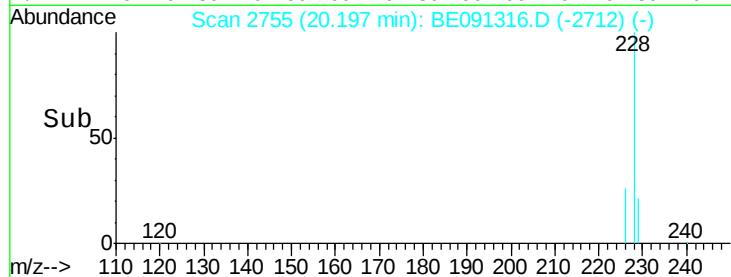
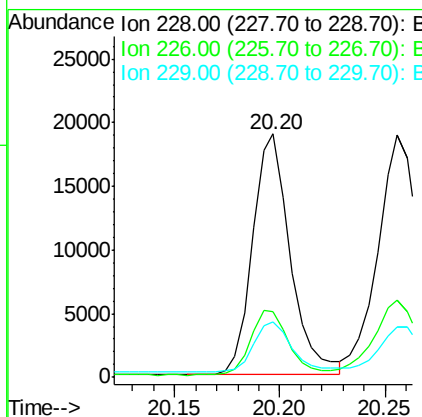
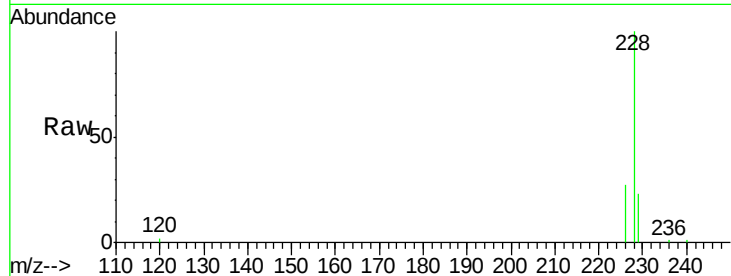
ClientSampleId :

A4HR9RXDL

Tgt Ion:	228	Resp:	23588
Ion Ratio	Lower	Upper	
228	100		
226	27.0	23.0	34.4
229	23.0	15.2	22.8#

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:08:00 PM



#21

Chrysene

Concen: 0.49 ng/ul

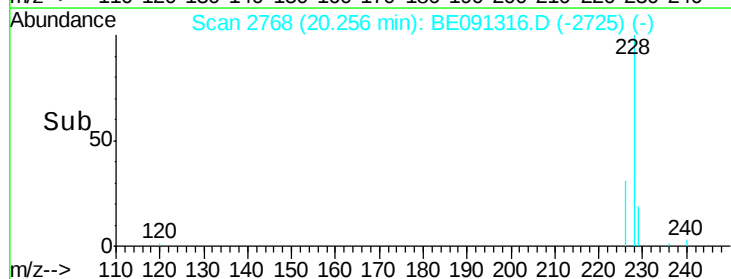
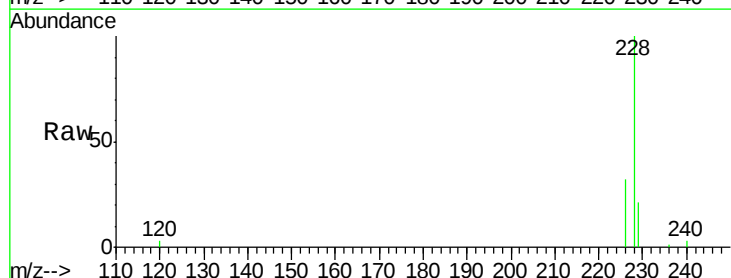
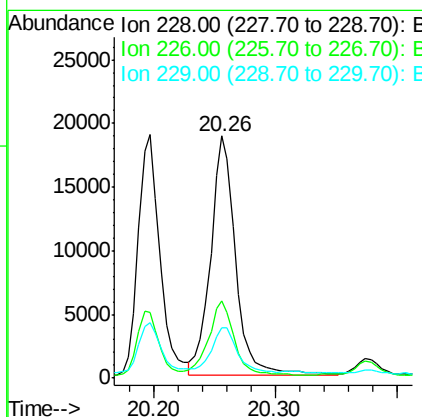
RT: 20.26 min Scan# 2768

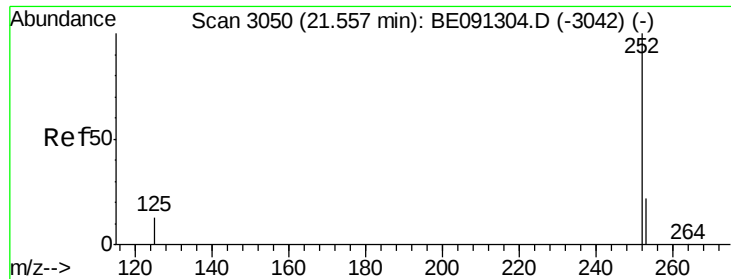
Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Tgt Ion:	228	Resp:	27098
Ion Ratio	Lower	Upper	
228	100		
226	31.7	25.7	38.5
229	20.9	15.2	22.8





#23

Benzo(b)fluoranthene

Concen: 0.26 ng/u1

RT: 21.55 min Scan# 3049

Delta R.T. -0.01 min

Lab File: BE091316.D

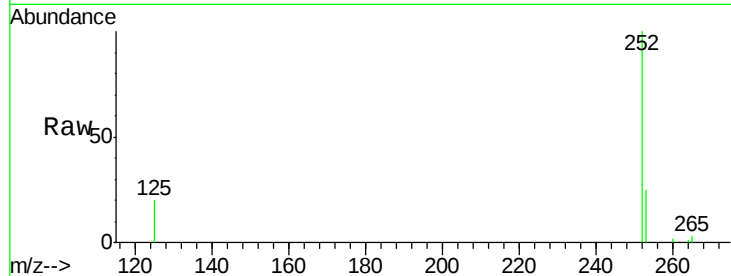
Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

ClientSampleId :

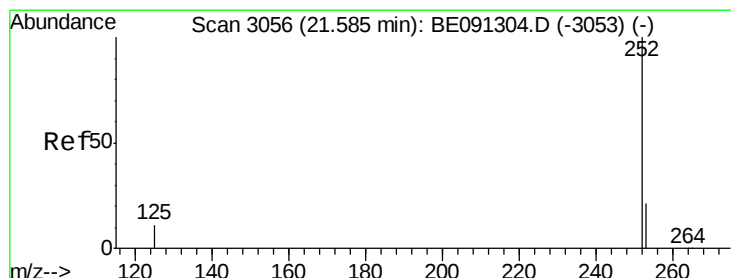
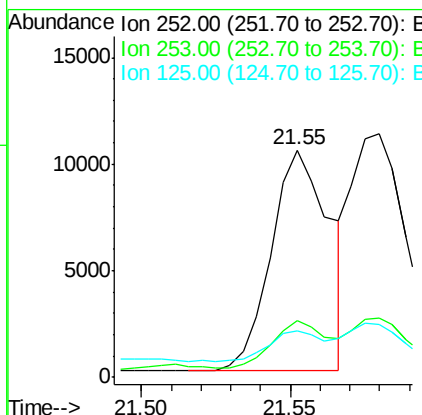
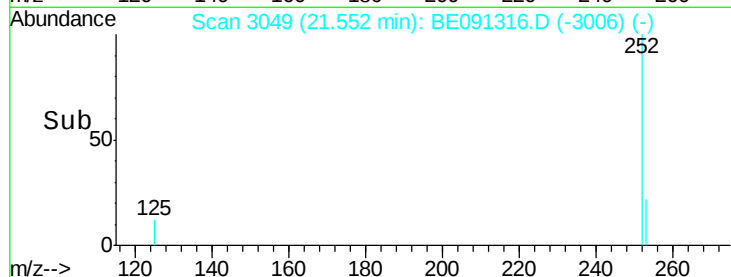
A4HR9RXDL



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	14048		
253	24.8	0.0	48.0	
125	20.3	0.0	36.6	

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:08:00 PM



#24

Benzo(k)fluoranthene

Concen: 0.29 ng/u1

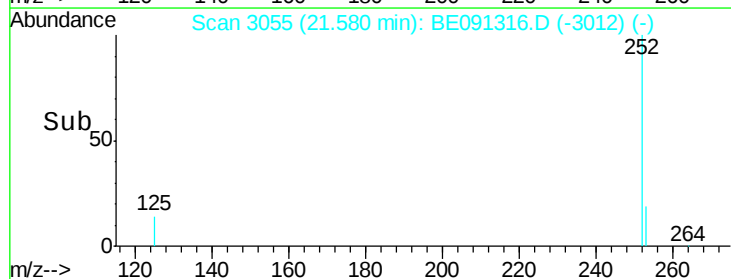
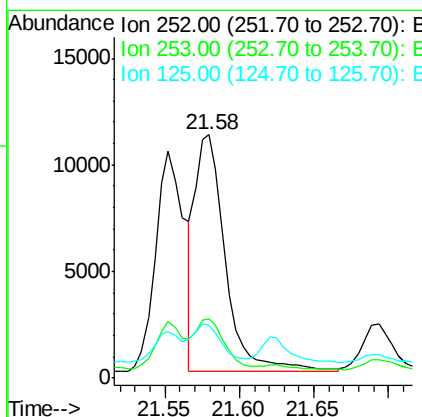
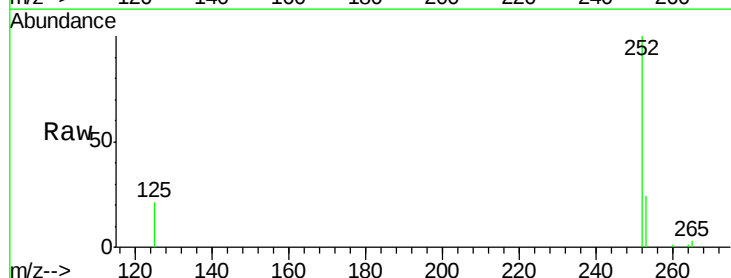
RT: 21.58 min Scan# 3055

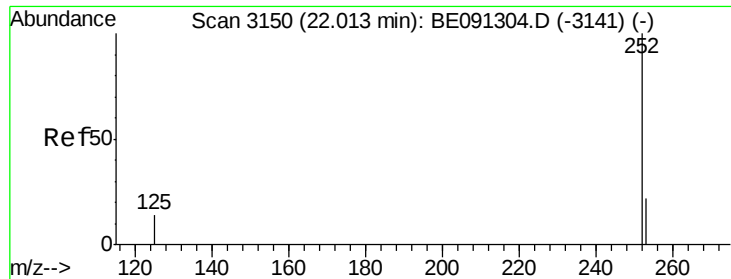
Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	15637		
253	24.5	20.8	31.2	
125	21.5	12.2	18.4#	





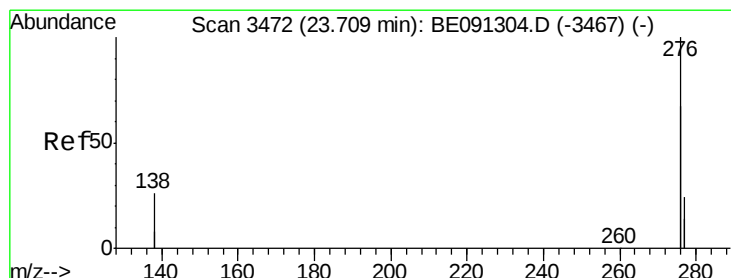
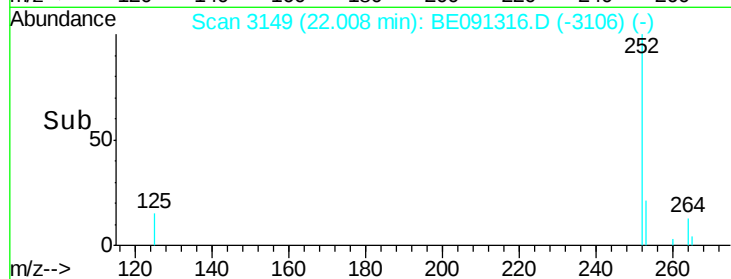
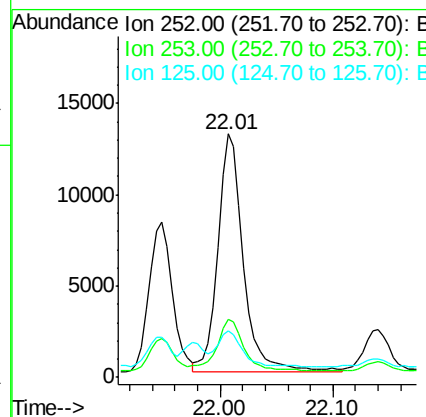
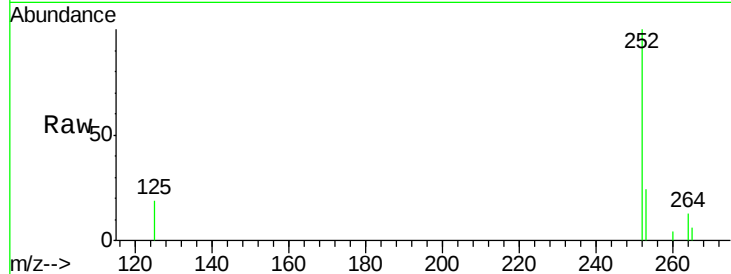
#25
Benzo(a)pyrene
Concen: 0.41 ng/ul
RT: 22.01 min Scan# 3149
Delta R.T. -0.01 min
Lab File: BE091316.D
Acq: 24 Nov 2015 9:29

Instrument :
BNA_E
ClientSampleId :
A4HR9RXDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	21.8	32.8
125	19.3	14.5	21.7

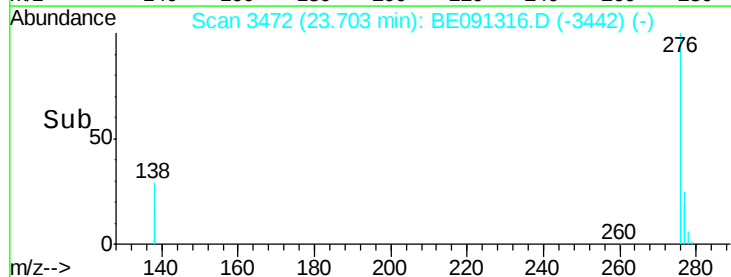
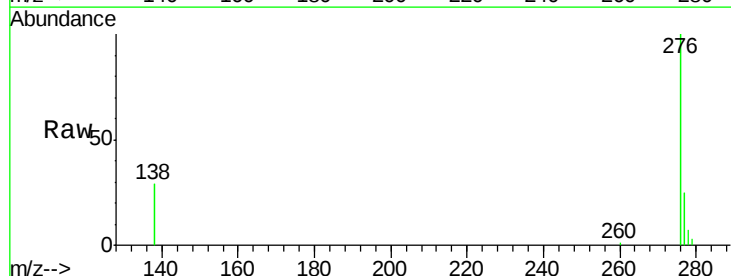
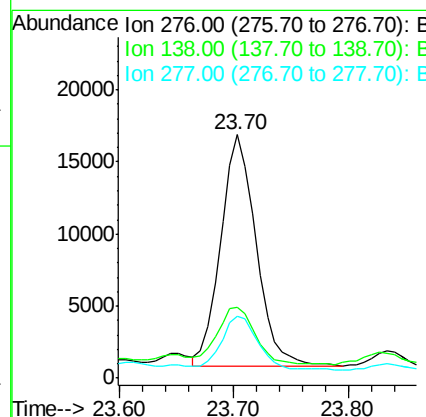
Manual Integrations
APPROVED

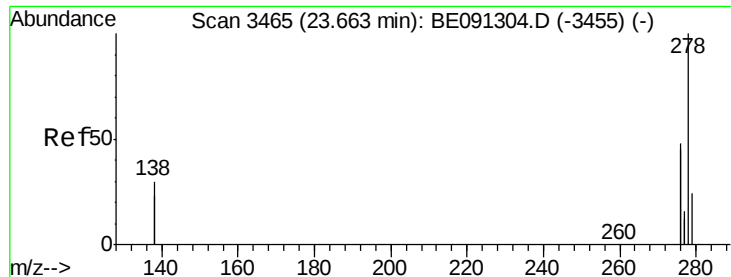
Mmdadoda
11/24/2015 1:08:00 PM



#26
Indeno(1,2,3-cd)pyrene
Concen: 0.17 ng/ul
RT: 23.70 min Scan# 3472
Delta R.T. -0.01 min
Lab File: BE091316.D
Acq: 24 Nov 2015 9:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.9	27.5	41.3#
277	24.0	19.3	28.9





#27

Dibenzo(a,h)anthracene

Concen: 0.07 ng/ul

RT: 23.65 min Scan# 3464

Delta R.T. -0.01 min

Lab File: BE091316.D

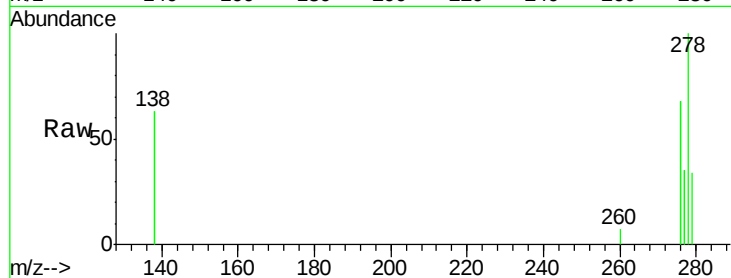
Acq: 24 Nov 2015 9:29

Instrument :

BNA_E

ClientSampleId :

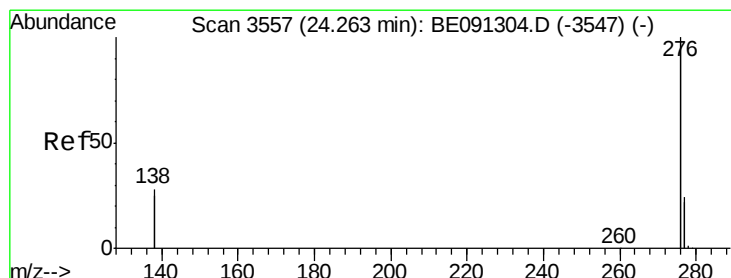
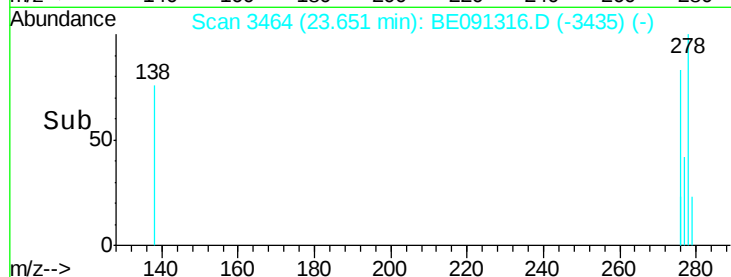
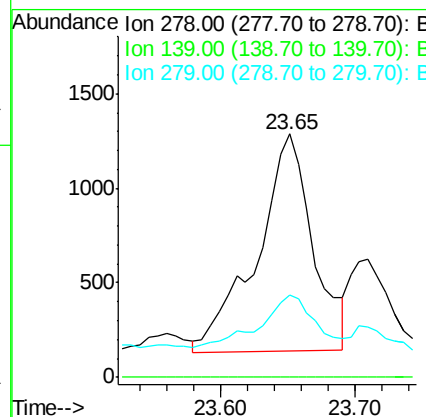
A4HR9RXDL



Tgt Ion:	278	Resp:	3340
Ion Ratio	Lower	Upper	
278	100		
139	0.0	21.7	32.5#
279	33.5	21.9	32.9#

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:08:00 PM



#28

Benzo(g,h,i)perylene

Concen: 0.18 ng/ul

RT: 24.25 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091316.D

Acq: 24 Nov 2015 9:29

Tgt Ion:	276	Resp:	39113
Ion Ratio	Lower	Upper	
276	100		
277	25.1	21.3	31.9
138	31.6	25.5	38.3

