

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112315\
 Data File : BE091302.D
 Acq On : 23 Nov 2015 16:32
 Operator : UM/NP
 Sample : G4345-22DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J67DL

Manual Integrations
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 11/24/2015 1:06:44 PM

Quant Time: Nov 24 02:42:16 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 00:31:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	1903	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.56	136	9027	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4576	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	12830	0.40	ng/ul	0.00
18) Chrysene-d12	20.22	240	17234	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	15501	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.01	96	1026	0.75	ng/uL	0.05
6) 2-Methylnaphthalene-d10	11.08	152	193	0.02	ng/ul	0.02
16) Fluoranthene-d10	18.07	212	516	0.01	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	9.61	128	1409	0.06	ng/ul#	78
7) 2-Methylnaphthalene	11.15	142	770	0.05	ng/ul	94
9) Acenaphthylene	13.12	152	922	0.04	ng/ul#	84
10) Acenaphthene	13.42	153	1626	0.10	ng/ul#	86
11) Fluorene	14.41	166	2833	0.14	ng/ul#	93
14) Phenanthrene	16.11	178	229268	1.55	ng/ul	96
15) Anthracene	16.20	178	51771	0.38	ng/ul	97
17) Fluoranthene	18.09	202	296083	1.71	ng/ul	90
19) Pyrene	18.47	202	253295	1.29	ng/ul#	80
20) Benzo(a)anthracene	20.20	228	28426m	0.64	ng/ul	
21) Chrysene	20.26	228	34406	0.67	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	25712	0.53	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	23959	0.48	ng/ul	96
25) Benzo(a)pyrene	22.01	252	26023	0.58	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.70	276	60903	0.32	ng/ul#	91
28) Benzo(a,h,i)perylene	24.25	276	59053	0.30	ng/ul	98

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

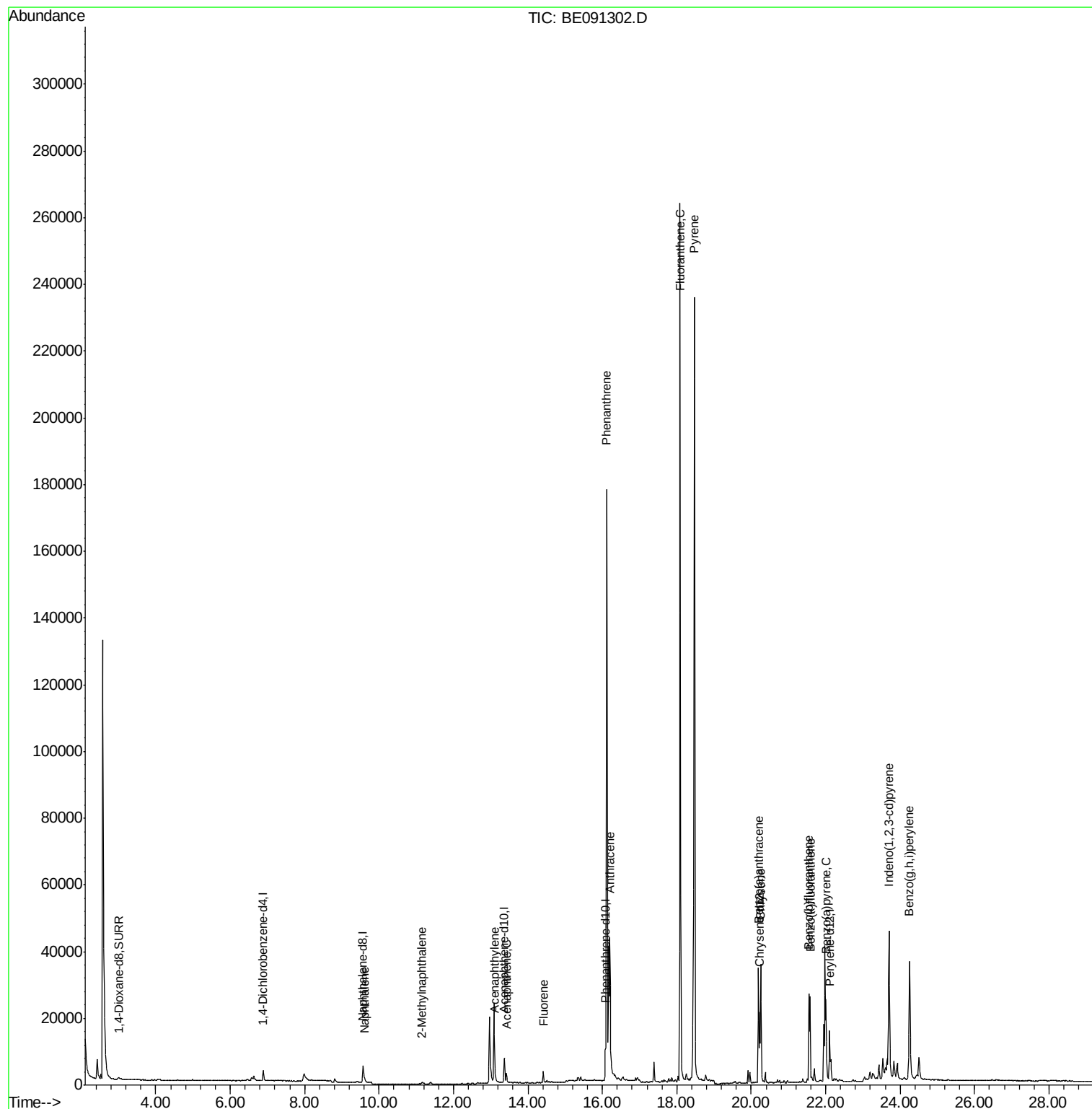
Data Path : Z:\HPCHEM1\BNA E\DATA\BE112315\
Data File : BE091302.D
Acq On : 23 Nov 2015 16:32
Operator : UM/NP
Sample : G4345-22DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

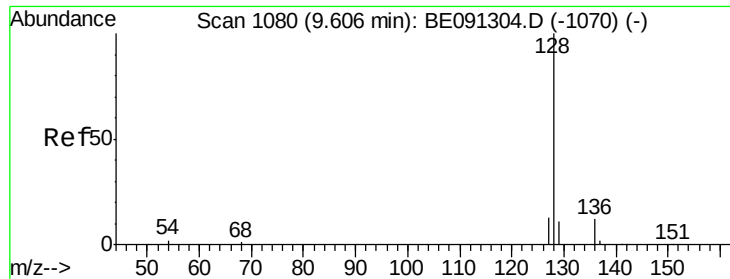
Instrument :
BNA_E
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A4J67DL

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Quant Time: Nov 24 02:42:16 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 00:31:29 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.06 ng/ul

RT: 9.61 min Scan# 1081

Delta R.T. 0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

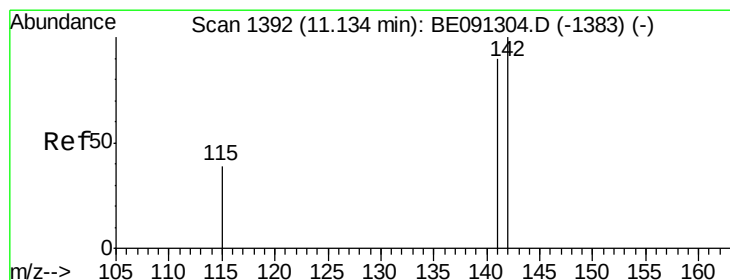
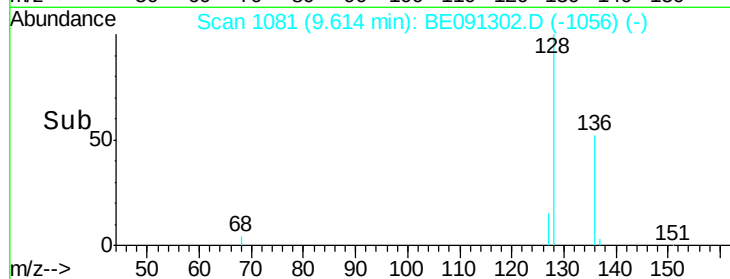
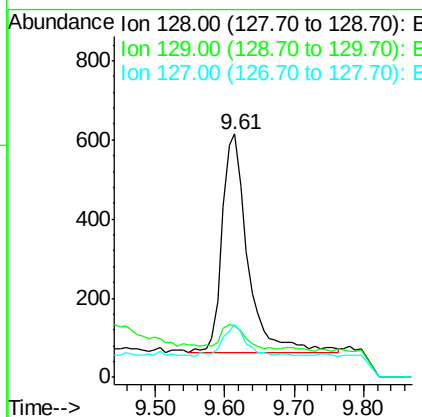
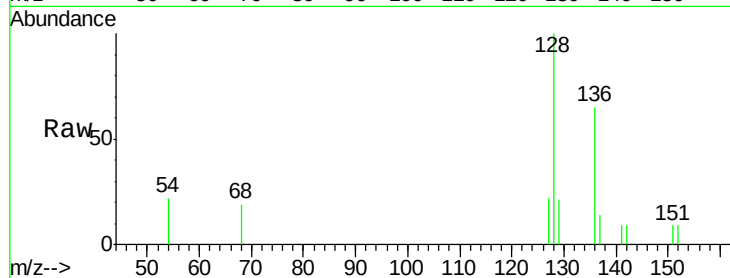
ClientSampleId :

A4J67DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	21.1	9.8	14.8#
127	22.0	10.7	16.1#

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#7

2-Methylnaphthalene

Concen: 0.05 ng/ul

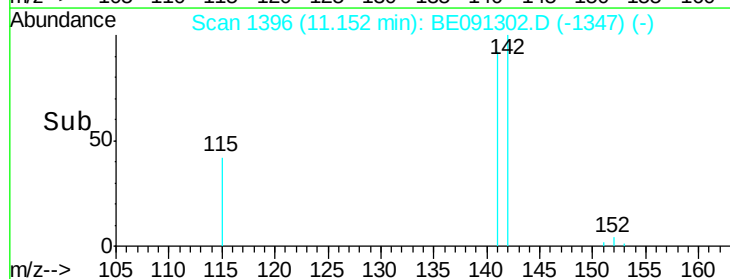
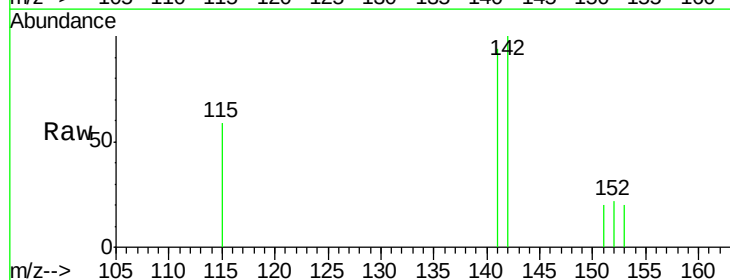
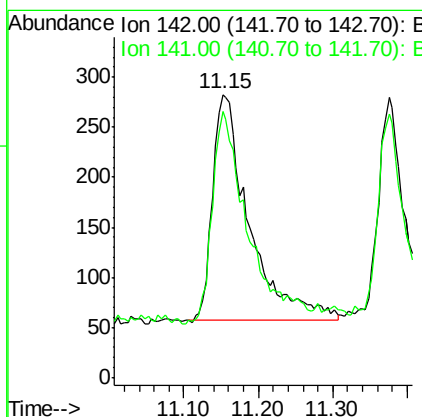
RT: 11.15 min Scan# 1396

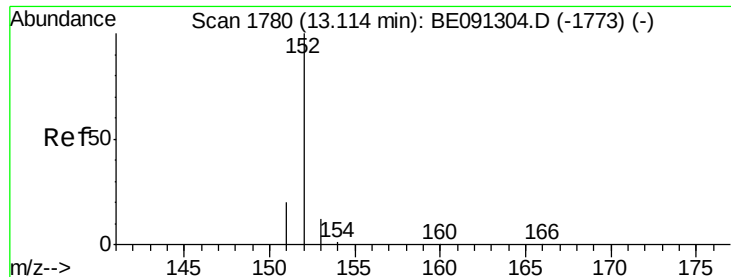
Delta R.T. 0.02 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.4	70.3	105.5





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 13.12 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

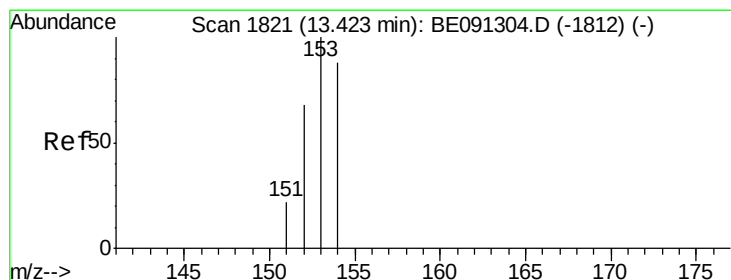
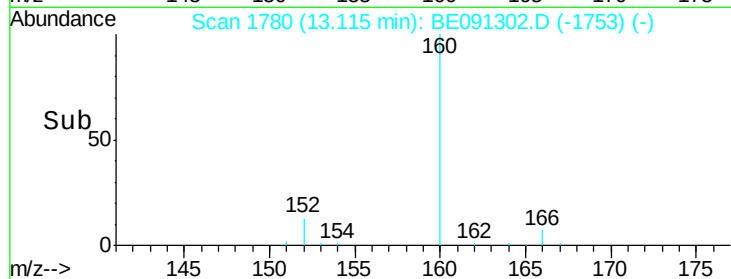
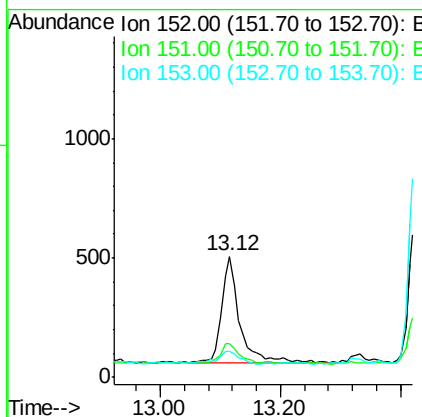
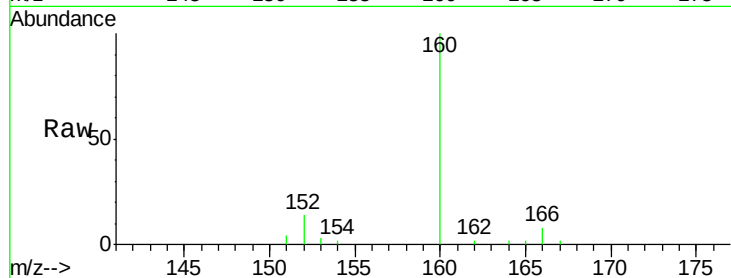
ClientSampleId :

A4J67DL

Tot Ion:	152	Resp:	922
Ion Ratio	Lower	Upper	
152	100		
151	27.7	16.8	25.2#
153	21.5	11.3	16.9#

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#10

Acenaphthene

Concen: 0.10 ng/ul

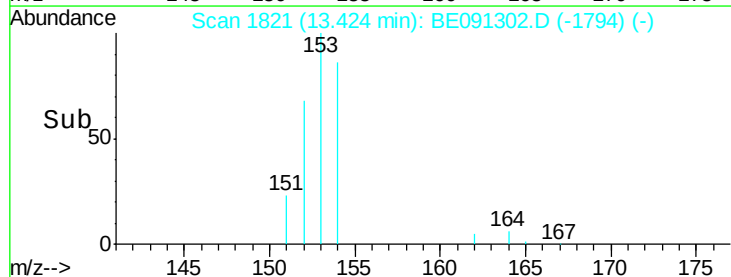
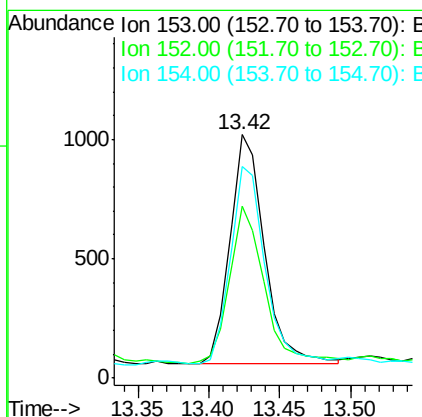
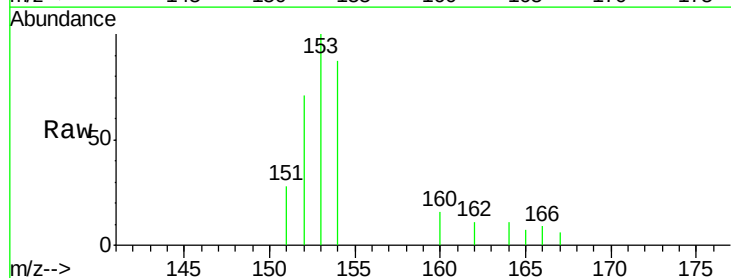
RT: 13.42 min Scan# 1821

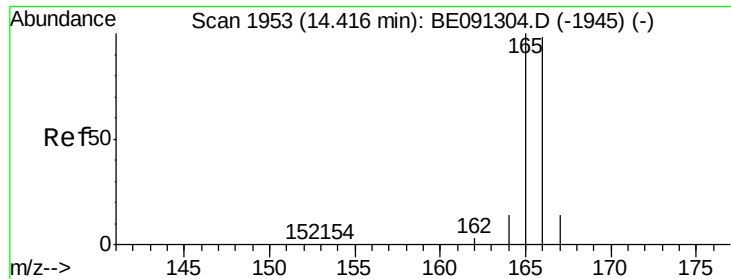
Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Tgt Ion:	153	Resp:	1626
Ion Ratio	Lower	Upper	
153	100		
152	70.6	42.3	63.5#
154	86.9	64.7	97.1





#11

Fluorene

Concen: 0.14 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

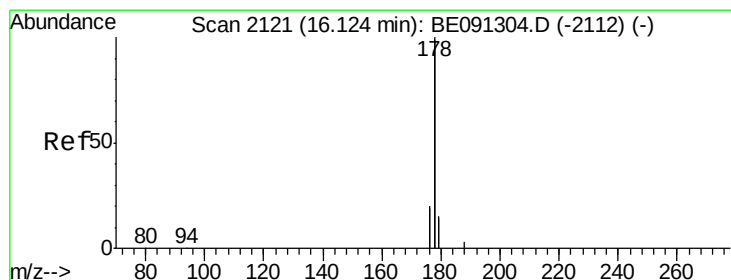
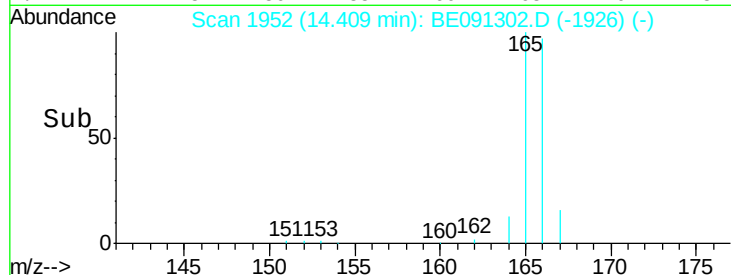
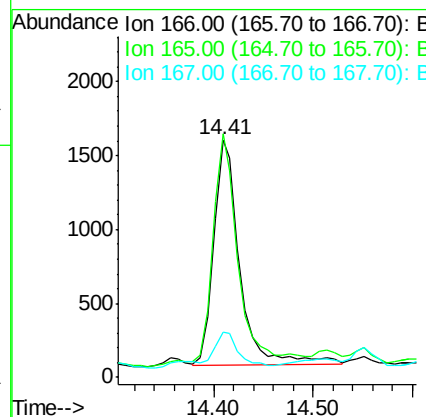
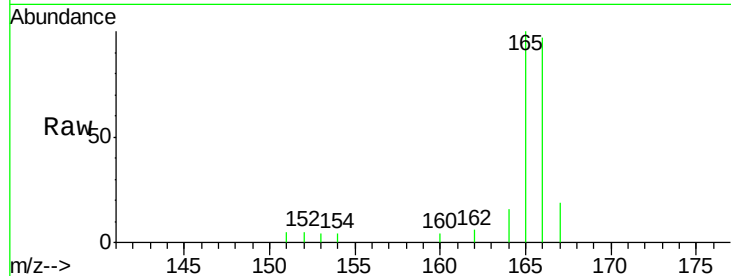
ClientSampleId :

A4J67DL

Tot Ion:	166	Resp:	2833
Ion Ratio	Lower	Upper	
166	100		
165	102.6	87.6	131.4
167	19.0	11.1	16.7#

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#14

Phenanthrene

Concen: 1.55 ng/ul

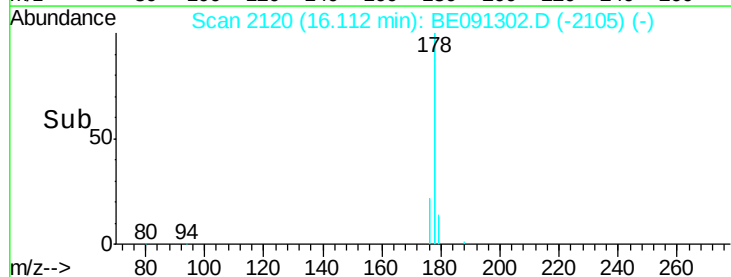
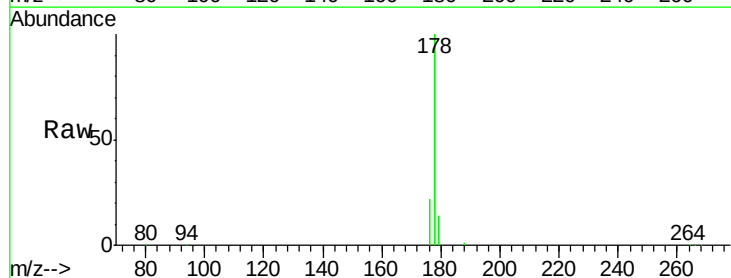
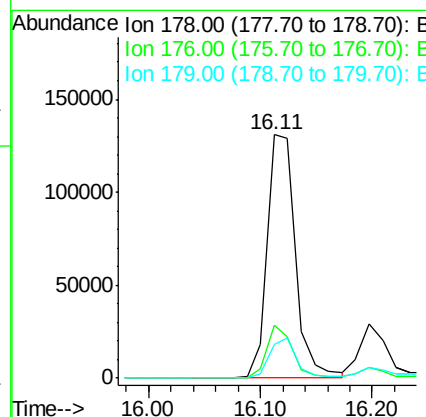
RT: 16.11 min Scan# 2120

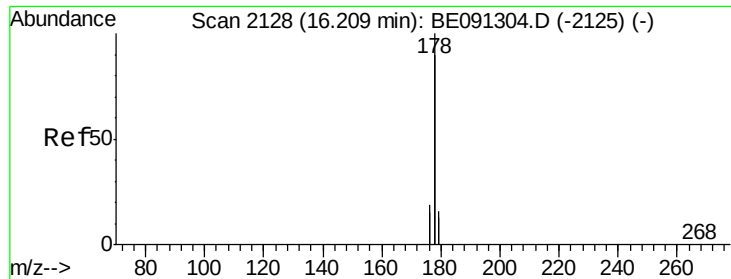
Delta R.T. -0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Tgt Ion:	178	Resp:	229268
Ion Ratio	Lower	Upper	
178	100		
176	21.7	16.2	24.4
179	13.8	12.8	19.2





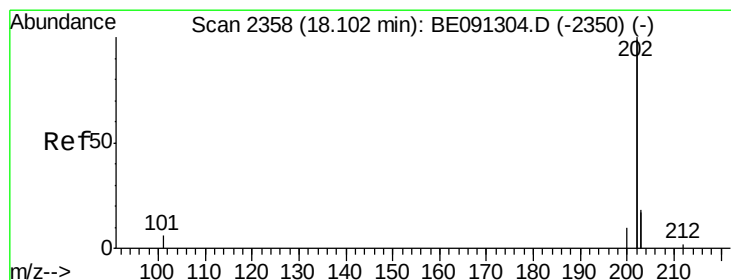
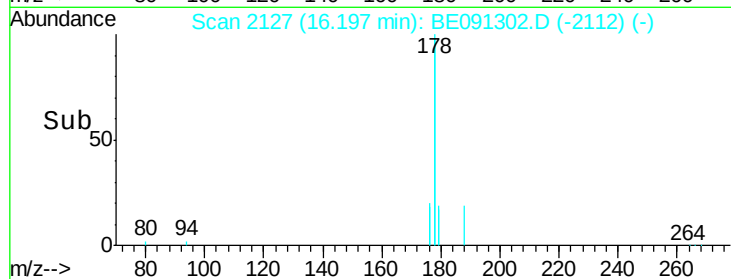
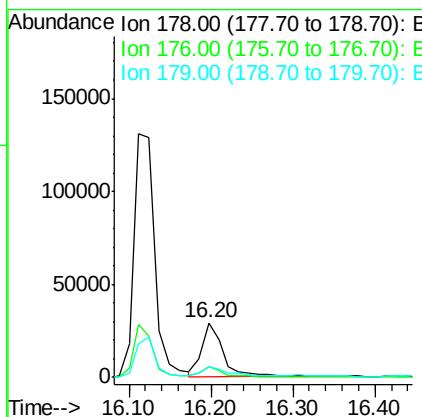
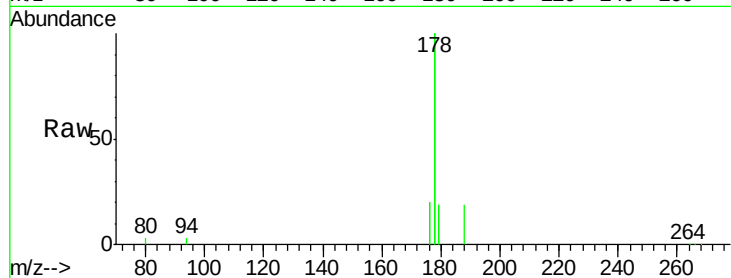
#15
 Anthracene
 Concen: 0.38 ng/ul
 RT: 16.20 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BE091302.D
 Acq: 23 Nov 2015 16:32

Instrument :
 BNA_E
 ClientSampleId :
 A4J67DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	18.8	13.3	19.9

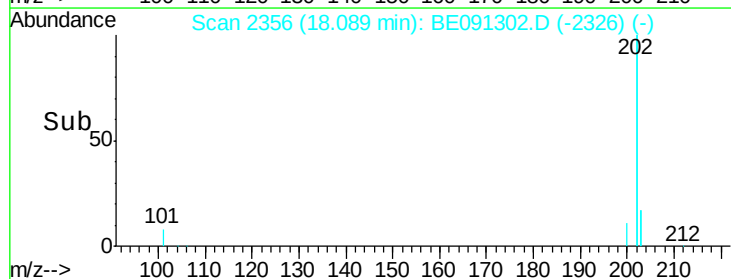
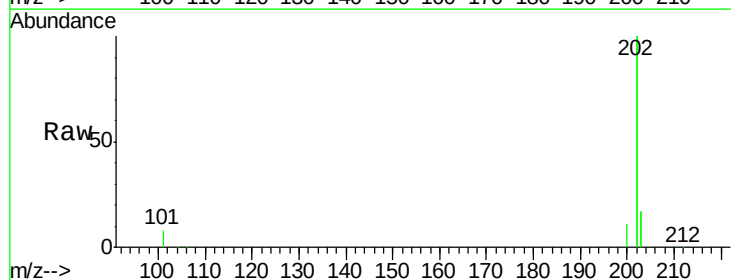
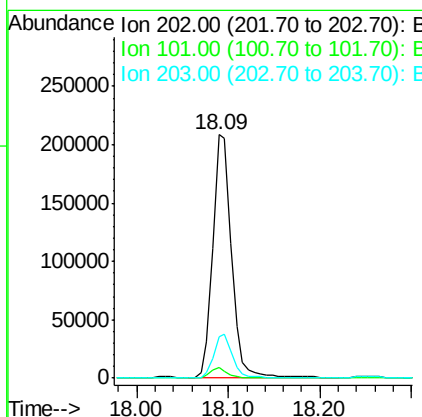
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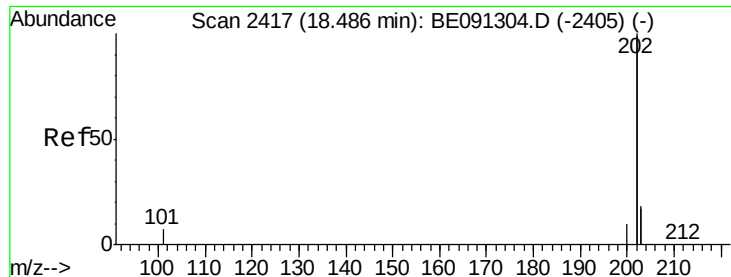
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 11/24/2015 1:06:44 PM



#17
 Fluoranthene
 Concen: 1.71 ng/ul
 RT: 18.09 min Scan# 2356
 Delta R.T. -0.01 min
 Lab File: BE091302.D
 Acq: 23 Nov 2015 16:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	4.2	0.0	33.1
203	17.0	0.0	37.2





#19

Pvrene

Concen: 1.29 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

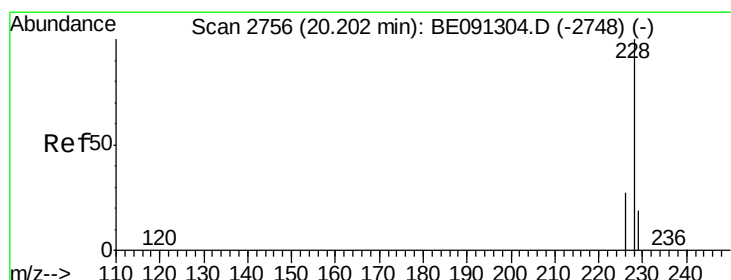
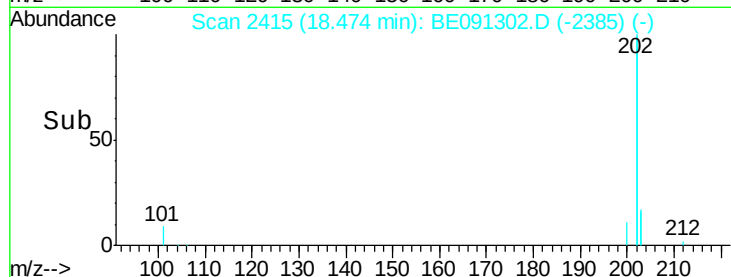
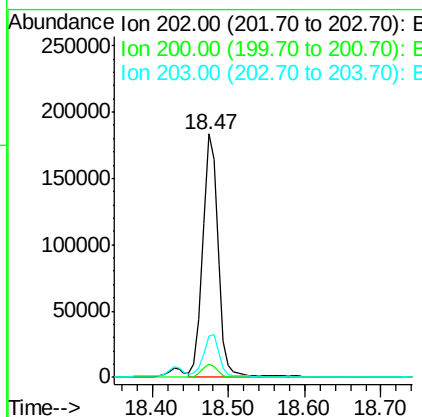
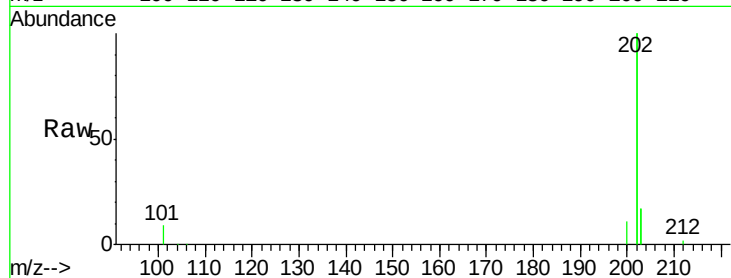
ClientSampleId :

A4J67DL

Tot Ion:	202	Resp:	253295
Ion Ratio		Lower	Upper
202	100		
200	5.4	18.0	27.0#
203	17.0	13.8	20.6

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#20

Benzo(a)anthracene

Concen: 0.64 ng/ul m

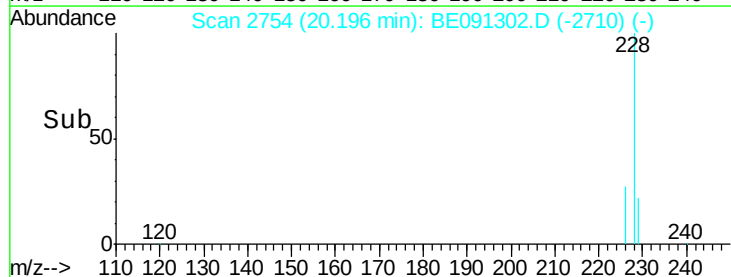
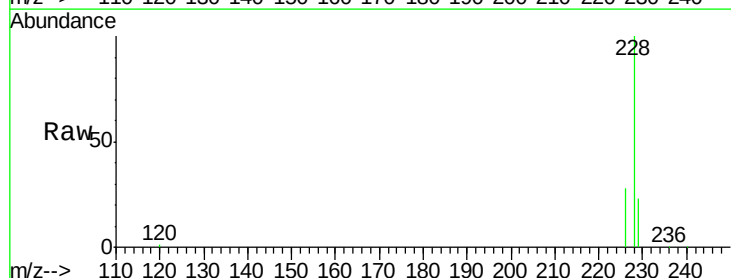
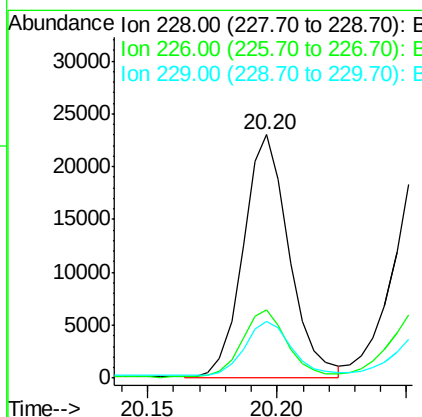
RT: 20.20 min Scan# 2754

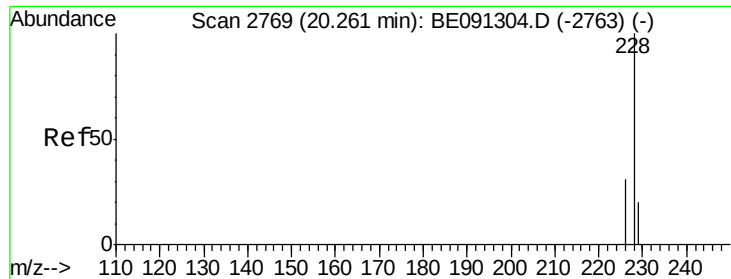
Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Tgt Ion:	228	Resp:	28426
Ion Ratio		Lower	Upper
228	100		
226	27.8	23.0	34.4
229	23.3	15.2	22.8#





#21

Chrysene

Concen: 0.67 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

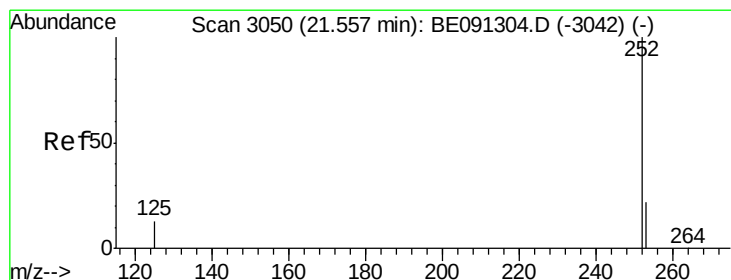
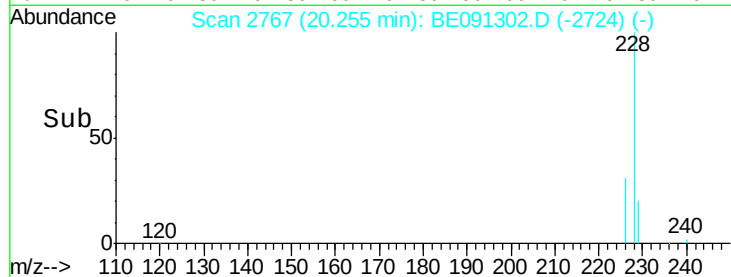
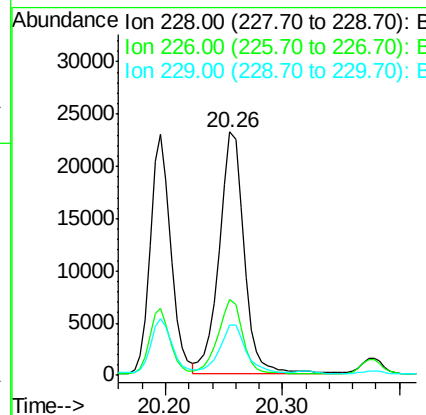
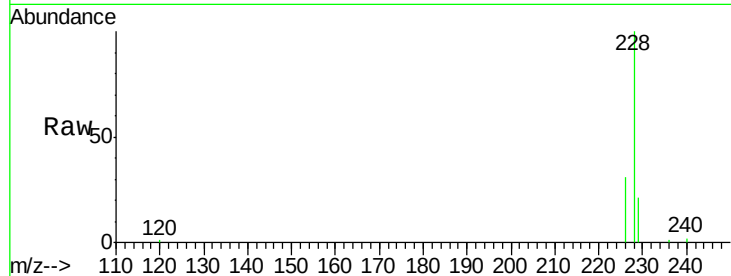
ClientSampleId :

A4J67DL

Tot Ion:	228	Resp:	34406
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.7	38.5
229	20.8	15.2	22.8

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#23

Benzo(b)fluoranthene

Concen: 0.53 ng/ul

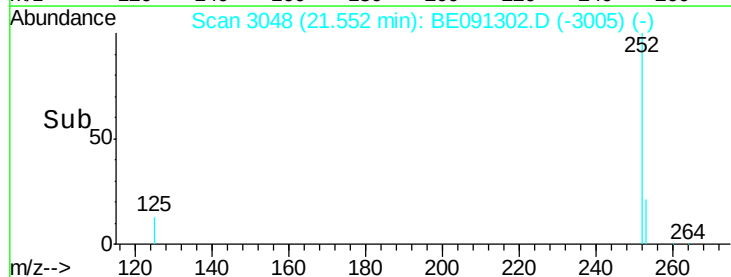
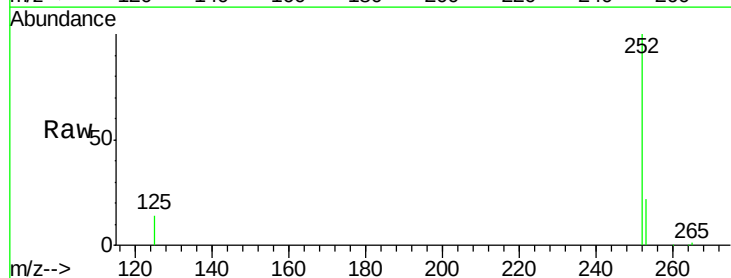
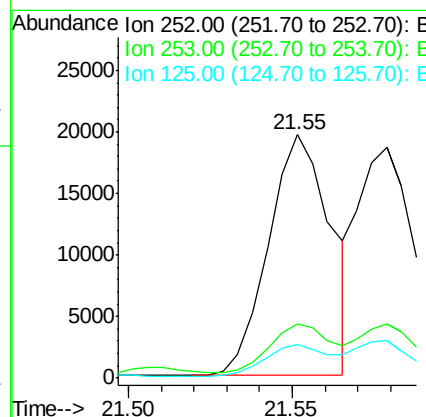
RT: 21.55 min Scan# 3048

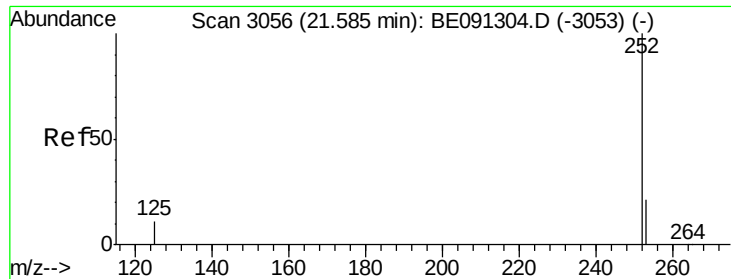
Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Tgt Ion:	252	Resp:	25712
Ion Ratio	Lower	Upper	
252	100		
253	22.3	0.0	48.0
125	13.8	0.0	36.6





#24

Benzo(k)fluoranthene

Concen: 0.48 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Instrument :

BNA_E

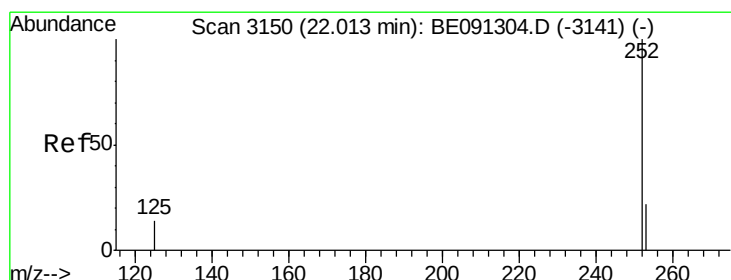
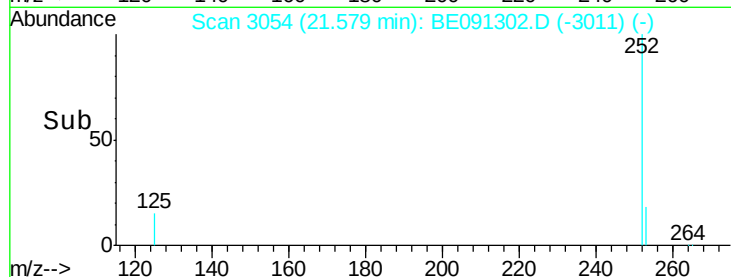
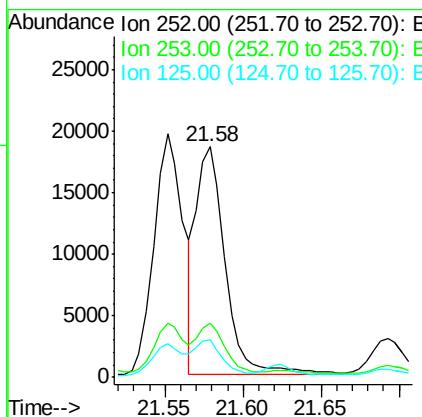
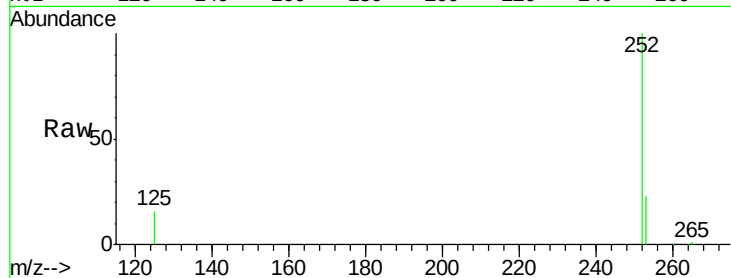
ClientSampleId :

A4J67DL

Tot Ion:	252	Resp:	23959
Ion Ratio	Lower	Upper	
252	100		
253	23.3	20.8	31.2
125	16.2	12.2	18.4

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#25

Benzo(a)pyrene

Concen: 0.58 ng/ul

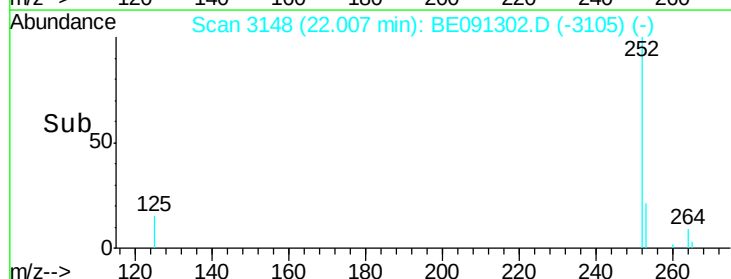
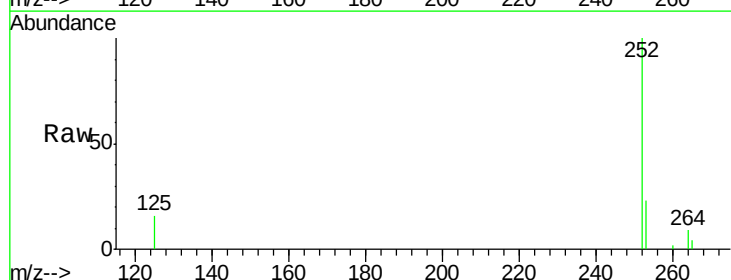
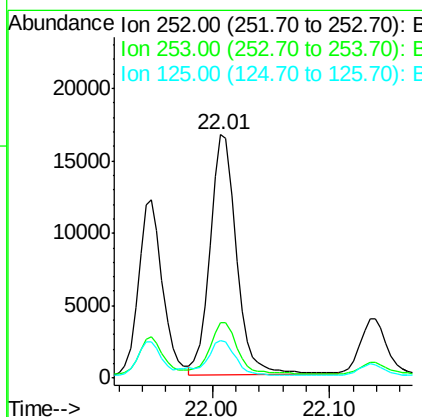
RT: 22.01 min Scan# 3148

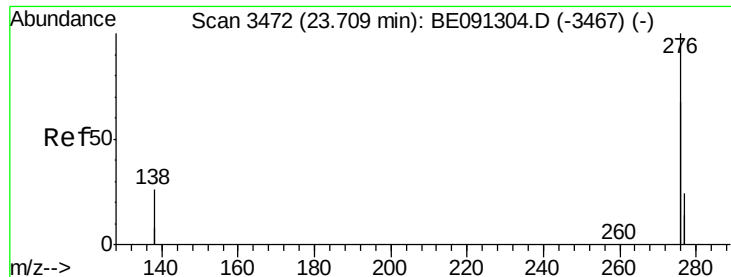
Delta R.T. -0.00 min

Lab File: BE091302.D

Acq: 23 Nov 2015 16:32

Tgt Ion:	252	Resp:	26023
Ion Ratio	Lower	Upper	
252	100		
253	22.9	21.8	32.8
125	15.7	14.5	21.7





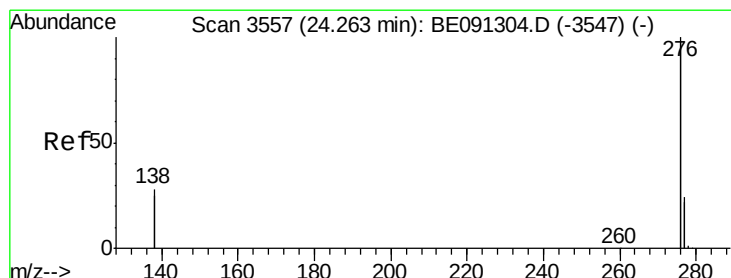
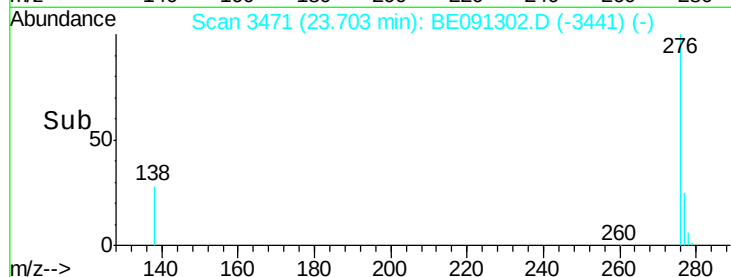
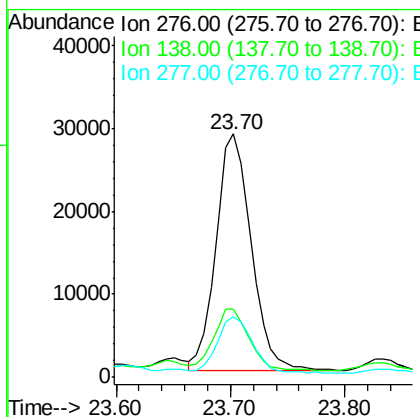
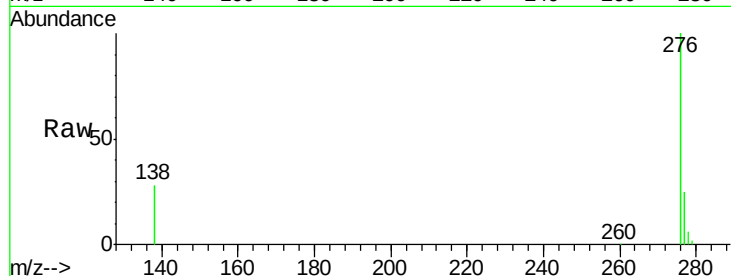
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.32 ng/ul
 RT: 23.70 min Scan# 3471
 Delta R.T. -0.01 min
 Lab File: BE091302.D
 Acq: 23 Nov 2015 16:32

Instrument :
 BNA_E
 ClientSampleId :
 A4J67DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.0	27.5	41.3#
277	24.2	19.3	28.9

Manual Integrations
 APPROVED

Mmdadoda
 11/24/2015 1:06:44 PM



#28
 Benzo(g,h,i)perylene
 Concen: 0.30 ng/ul
 RT: 24.25 min Scan# 3555
 Delta R.T. -0.01 min
 Lab File: BE091302.D
 Acq: 23 Nov 2015 16:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	21.3	31.9
138	31.3	25.5	38.3

