

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091092.D
 Acq On : 6 Nov 2015 16:00
 Operator : UM/NP
 Sample : G4273-12DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP8DL

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 6:48:30 PM

Quant Time: Nov 09 13:59:54 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 : Mon Nov 09 05:49:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	3090	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	16924	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	9438	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	23119	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	25143	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	25042	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.98	96	2248	1.01	ng/uL	0.03
6) 2-Methylnaphthalene-d10	11.08	152	908	0.04	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	2539	0.04	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.61	128	4984	0.12	ng/ul	97
7) 2-Methylnaphthalene	11.15	142	10033	0.37	ng/ul	98
9) Acenaphthylene	13.15	152	3133	0.07	ng/ul	97
10) Acenaphthene	13.46	153	28584	0.89	ng/ul	94
11) Fluorene	14.45	166	33900	0.82	ng/ul	88
14) Phenanthrene	16.17	178	630940	2.36	ng/ul	97
15) Anthracene	16.25	178	209122	0.86	ng/ul	99
17) Fluoranthene	18.15	202	520385	1.67	ng/ul	89
19) Pyrene	18.54	202	374794	1.31	ng/ul#	78
20) Benzo(a)anthracene	20.26	228	37056	0.57	ng/ul	95
21) Chrysene	20.32	228	34996	0.47	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	23384	0.30	ng/ul	96
24) Benzo(k)fluoranthene	21.65	252	24615	0.31	ng/ul	98
25) Benzo(a)pyrene	22.09	252	26855	0.37	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.84	276	53464m	0.18	ng/ul	
27) Dibenzo(a,h)anthracene	23.79	278	4251	0.06	ng/ul#	68
28) Benzo(g,h,i)perylene	24.40	276	46091	0.14	ng/ul	96

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

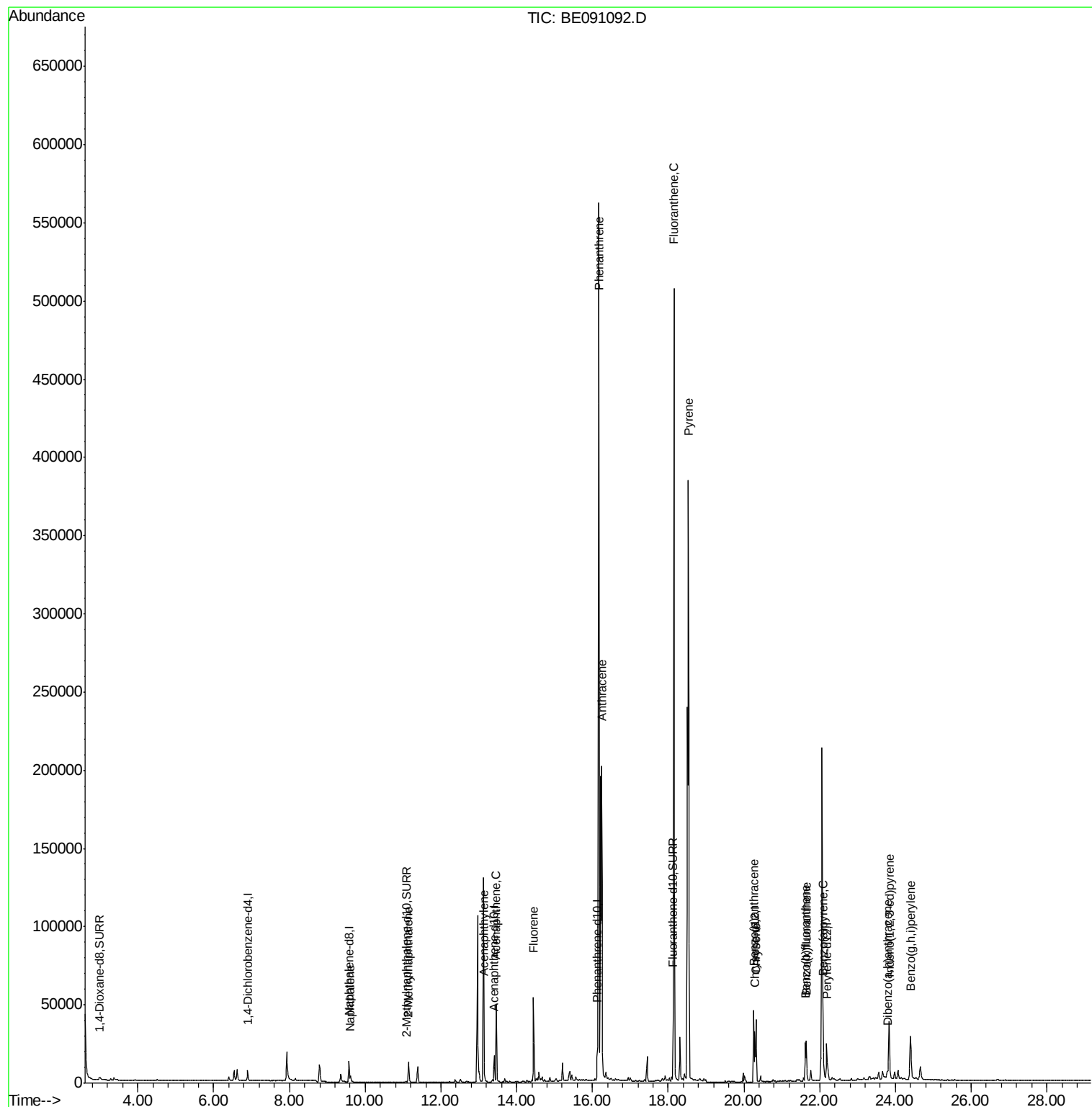
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
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ALS Vial : 28 Sample Multiplier: 1

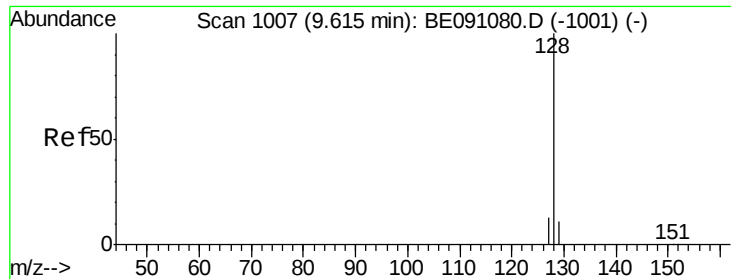
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#5

Naphthalene

Concen: 0.12 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

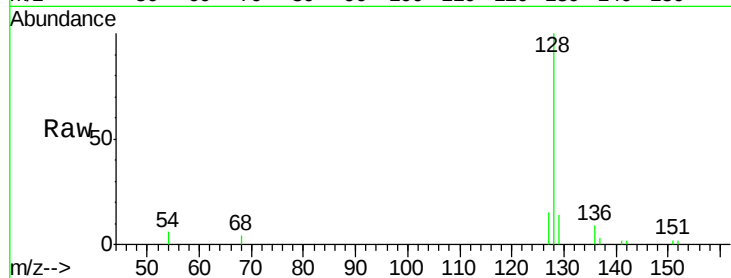
ClientSampleId :

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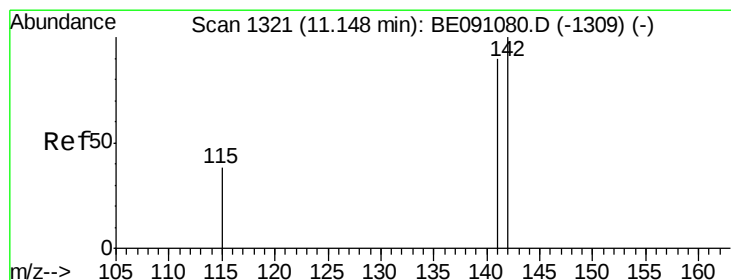
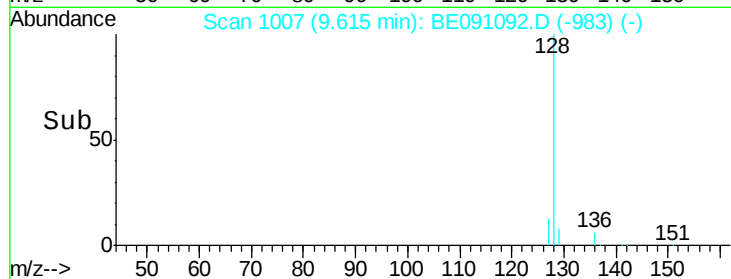
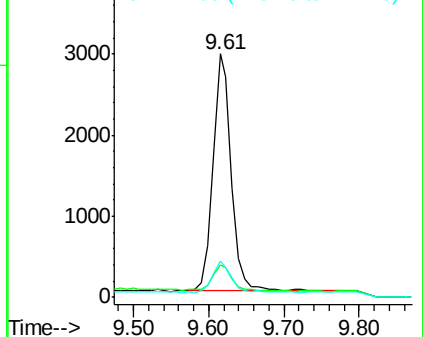
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Tgt Ion:	128	Resp:	4984
Ion Ratio	Lower	Upper	
128	100		
129	13.5	9.8	14.8
127	14.9	10.7	16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.37 ng/ul

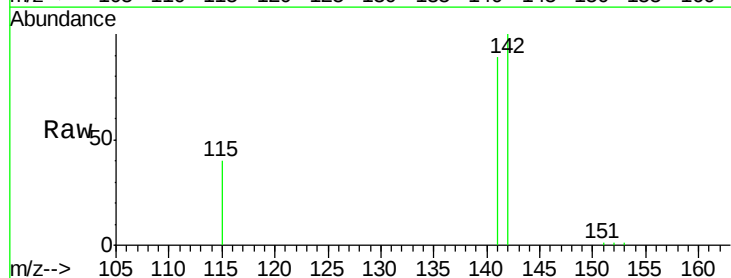
RT: 11.15 min Scan# 1321

Delta R.T. 0.00 min

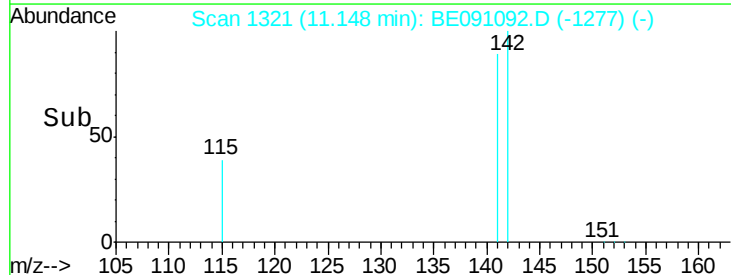
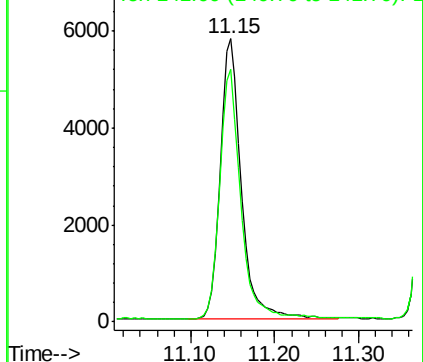
Lab File: BE091092.D

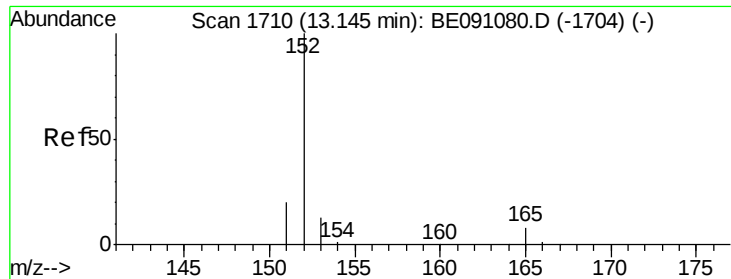
Acq: 6 Nov 2015 16:00

Tgt Ion:	142	Resp:	10033
Ion Ratio	Lower	Upper	
142	100		
141	89.6	70.3	105.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.07 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091092.D

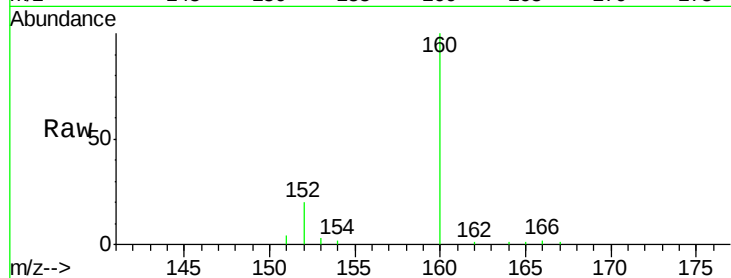
Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

ClientSampleId :

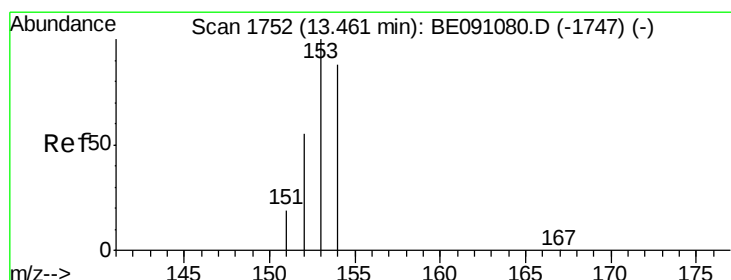
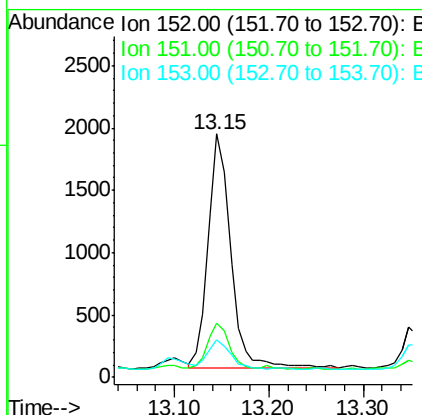
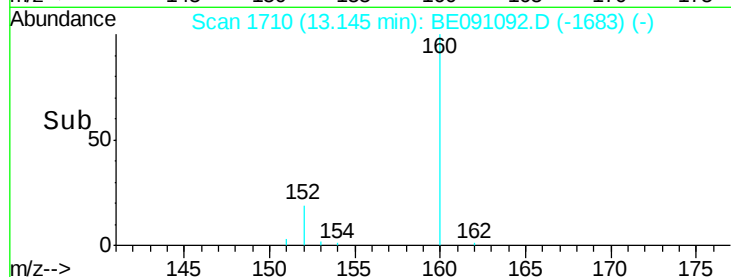
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.8	25.2
153	15.3	11.3	16.9

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#10

Acenaphthene

Concen: 0.89 ng/ul

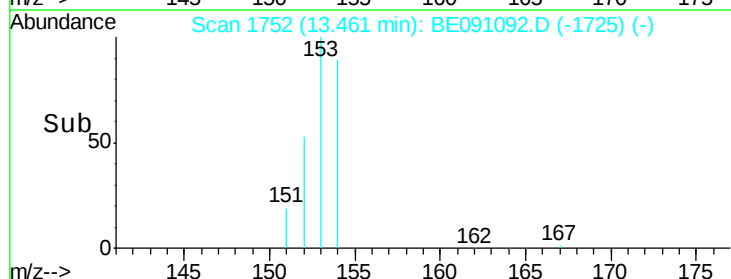
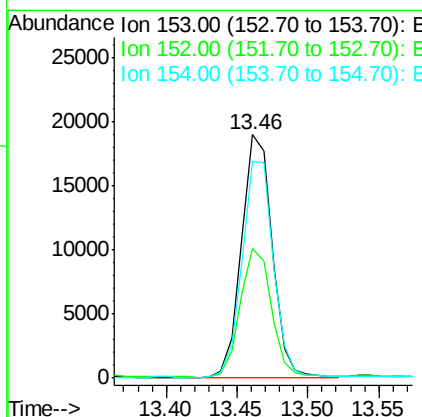
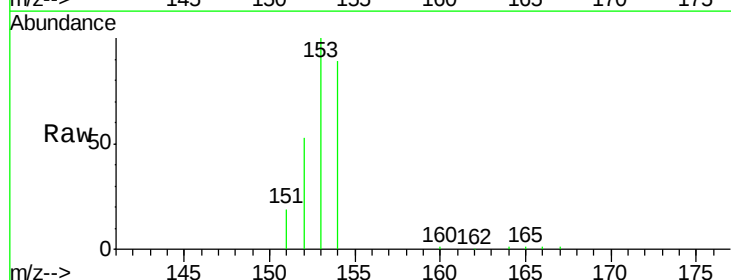
RT: 13.46 min Scan# 1752

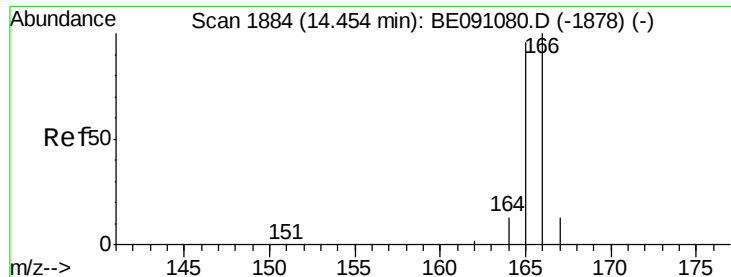
Delta R.T. 0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Tgt Ion	Ratio	Lower	Upper
153	100		
152	53.1	42.3	63.5
154	89.2	64.7	97.1





#11

Fluorene

Concen: 0.82 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091092.D

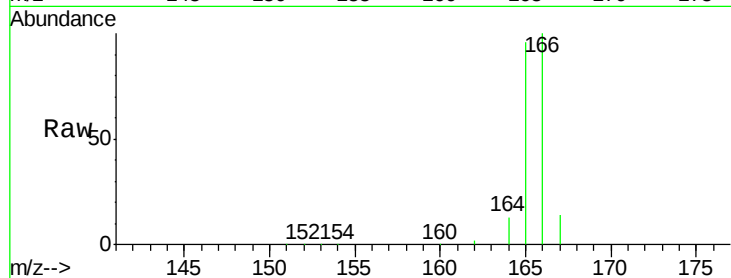
Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

ClientSampleId :

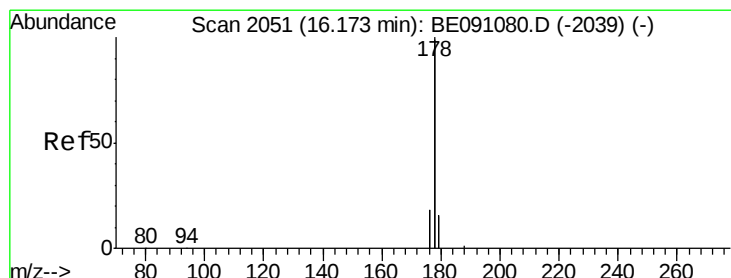
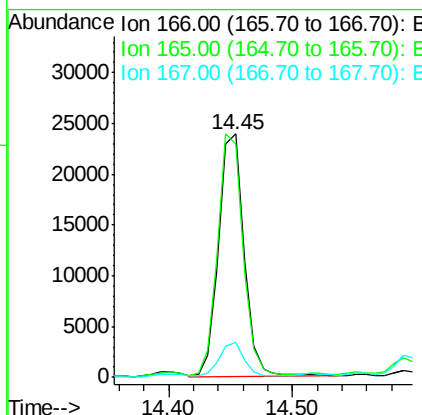
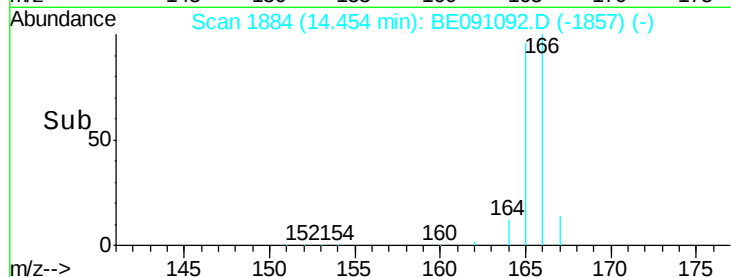
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Tgt Ion:	166	Resp:	33900
Ion Ratio	Lower	Upper	
166	100		
165	95.7	87.6	131.4
167	14.1	11.1	16.7

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#14

Phenanthrene

Concen: 2.36 ng/ul

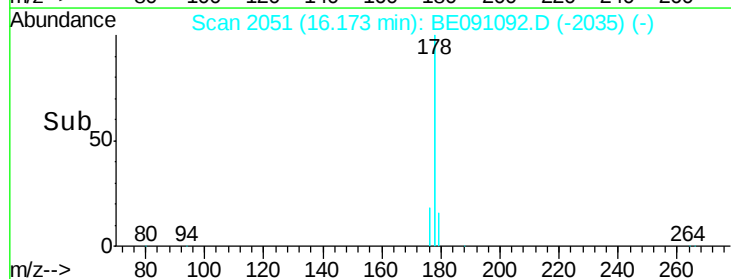
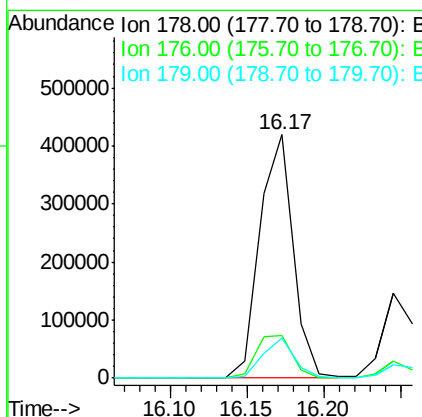
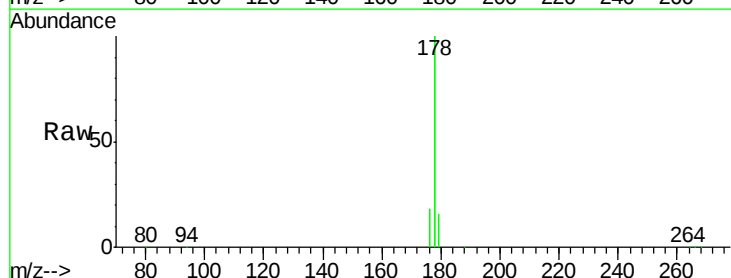
RT: 16.17 min Scan# 2051

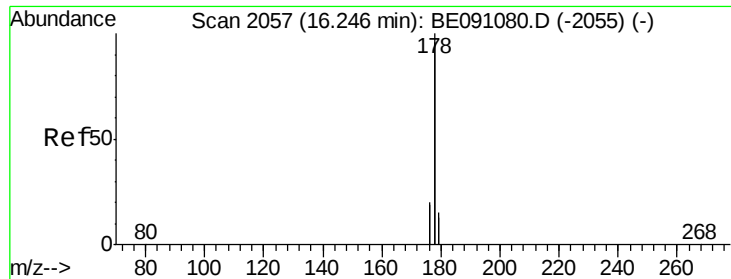
Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Tgt Ion:	178	Resp:	630940
Ion Ratio	Lower	Upper	
178	100		
176	17.8	16.2	24.4
179	16.3	12.8	19.2





#15

Anthracene

Concen: 0.86 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

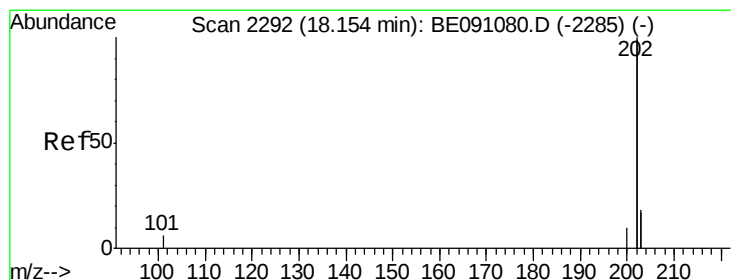
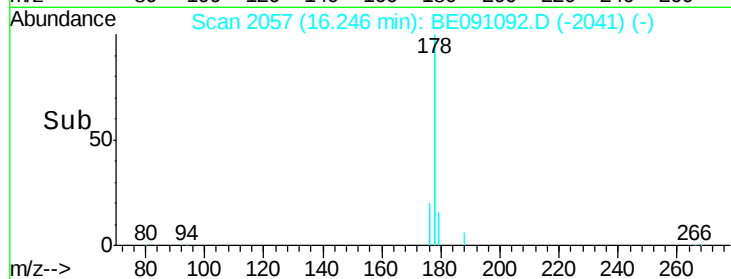
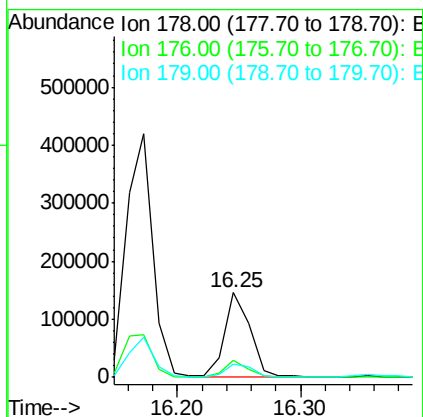
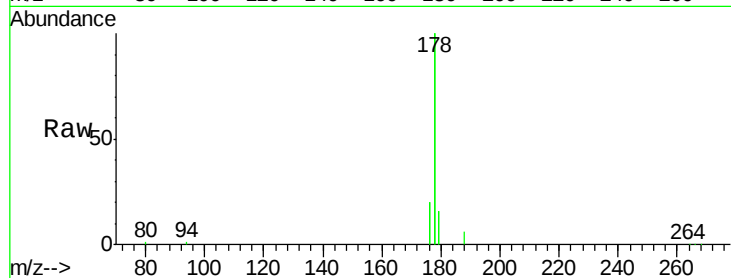
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.6	13.3	19.9



#17

Fluoranthene

Concen: 1.67 ng/ul

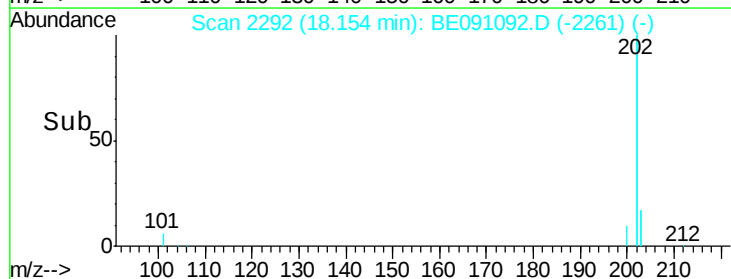
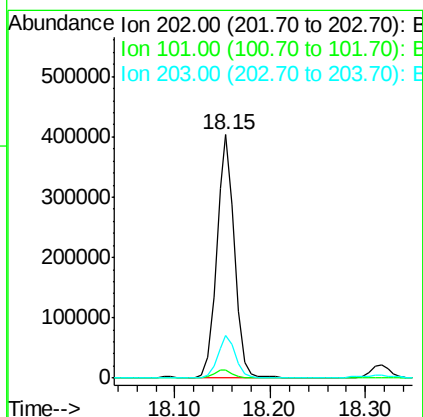
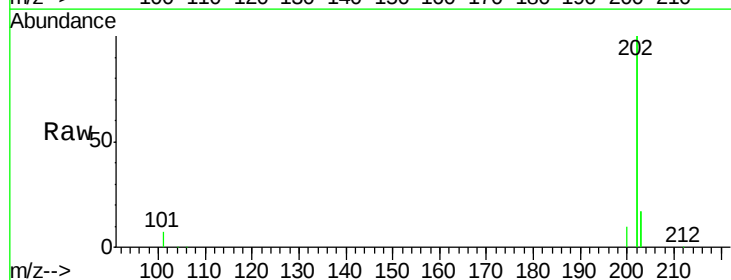
RT: 18.15 min Scan# 2292

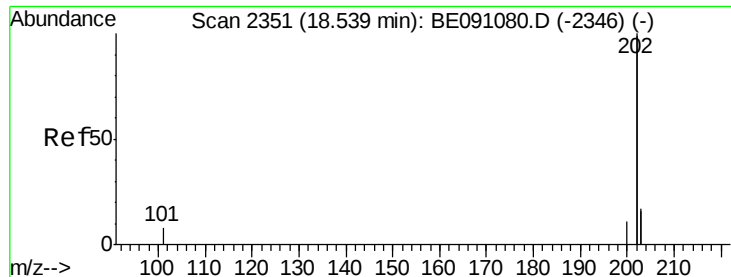
Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.3	0.0	33.1
203	17.3	0.0	37.2





#19

Pyrene

Concen: 1.31 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

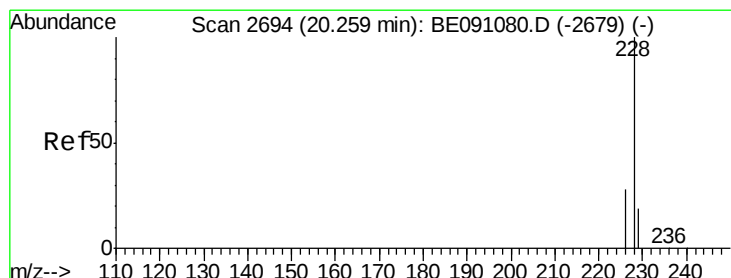
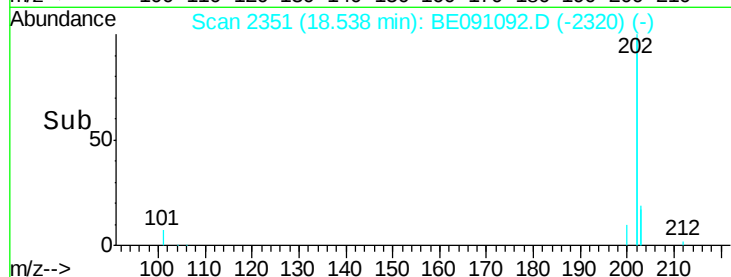
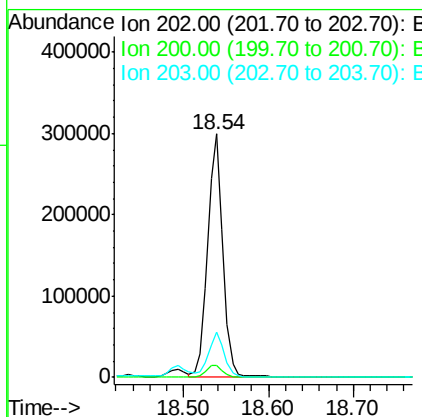
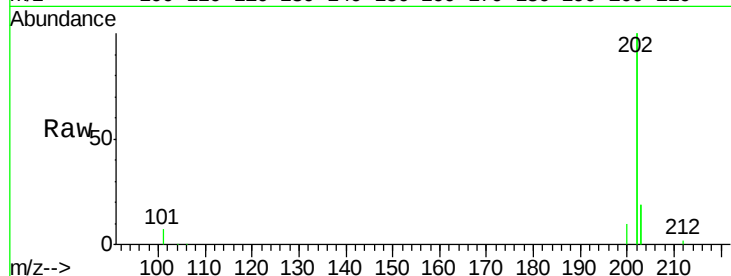
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	374794		
200	5.1	18.0	27.0#	
203	18.7	13.8	20.6	



#20

Benzo(a)anthracene

Concen: 0.57 ng/ul

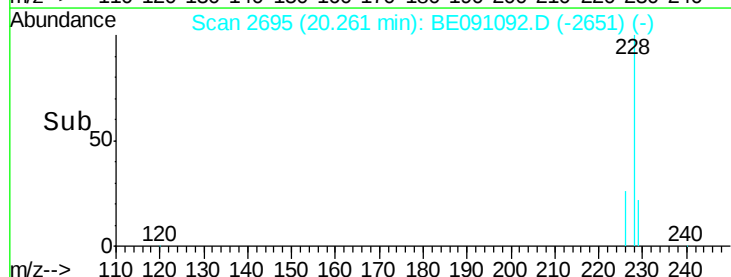
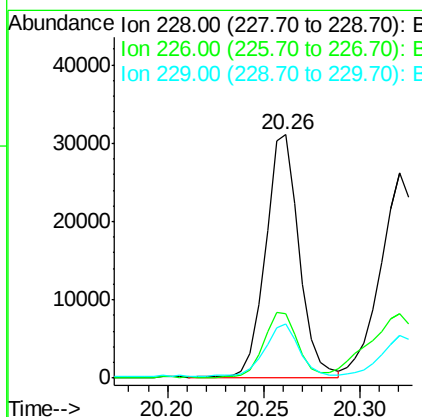
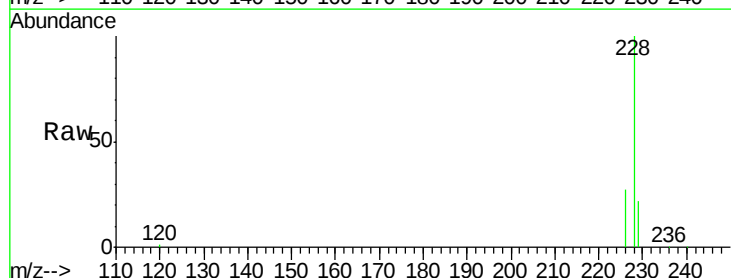
RT: 20.26 min Scan# 2695

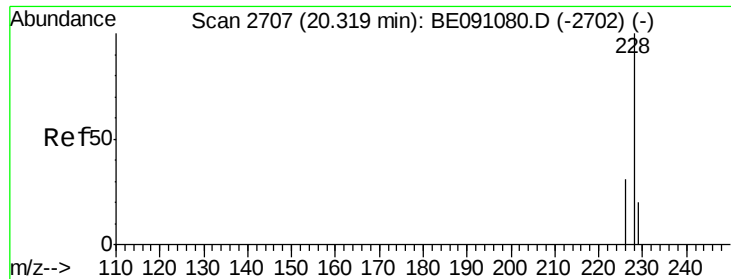
Delta R.T. 0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	37056		
226	26.5	23.0	34.4	
229	22.2	15.2	22.8	





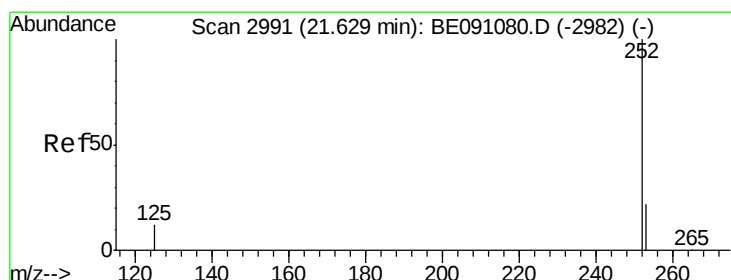
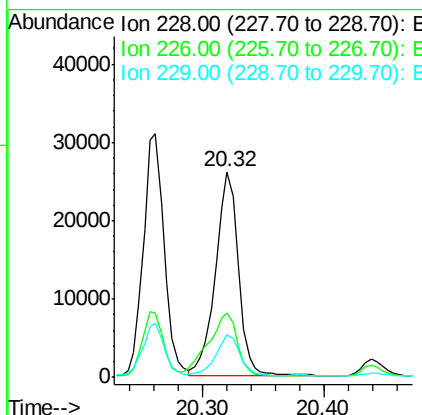
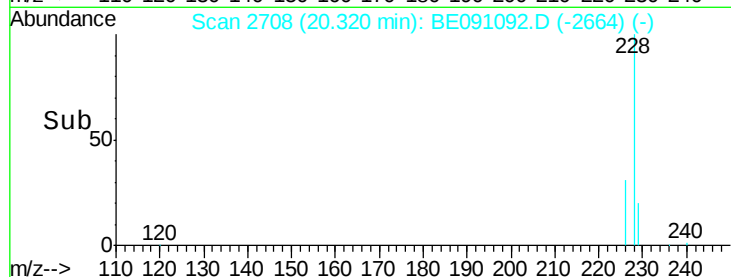
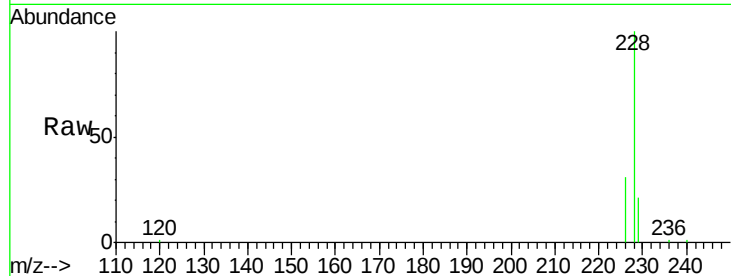
#21
Chrysene
Concen: 0.47 ng/ul
RT: 20.32 min Scan# 2708
Delta R.T. 0.00 min
Lab File: BE091092.D
Acq: 6 Nov 2015 16:00

Instrument :
BNA_E
ClientSampleId :
C0AP8DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.7	38.5
229	20.9	15.2	22.8

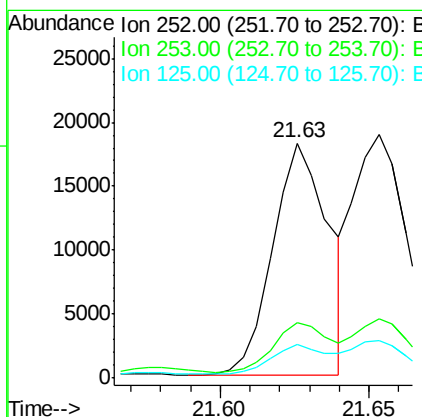
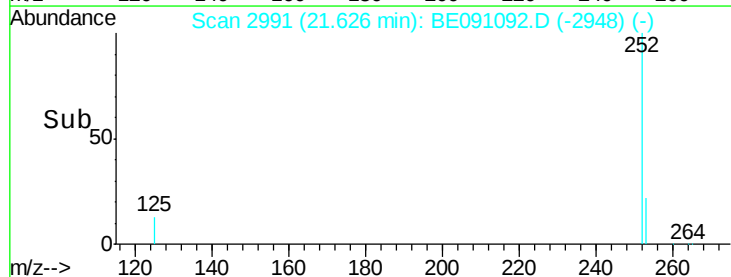
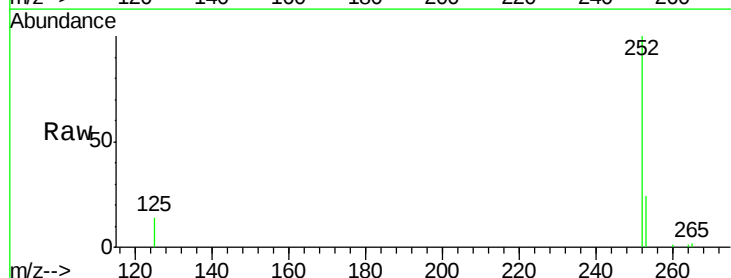
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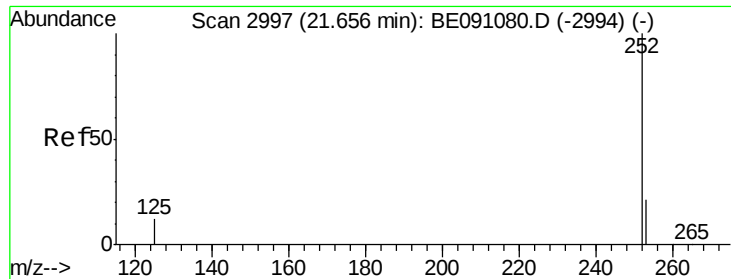
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#23
Benzo(b)fluoranthene
Concen: 0.30 ng/ul
RT: 21.63 min Scan# 2991
Delta R.T. -0.00 min
Lab File: BE091092.D
Acq: 6 Nov 2015 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	48.0
125	14.3	0.0	36.6





#24

Benzo(k)fluoranthene

Concen: 0.31 ng/ul

RT: 21.65 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

BNA_E

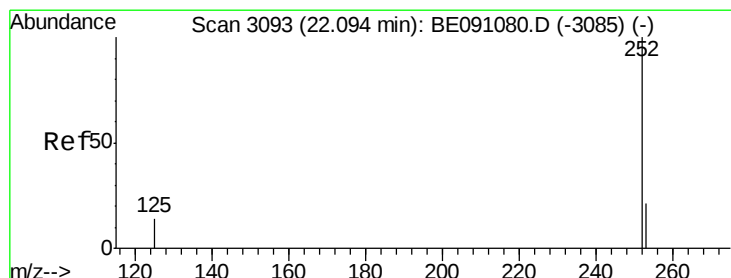
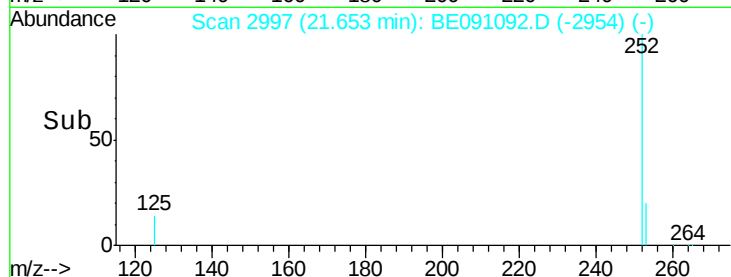
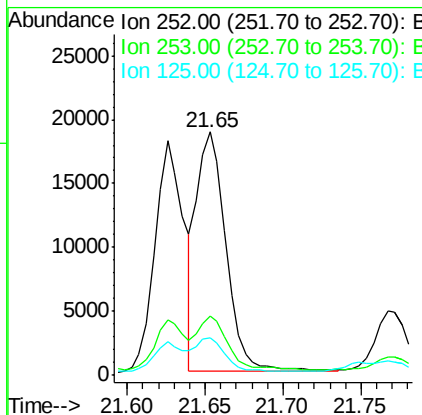
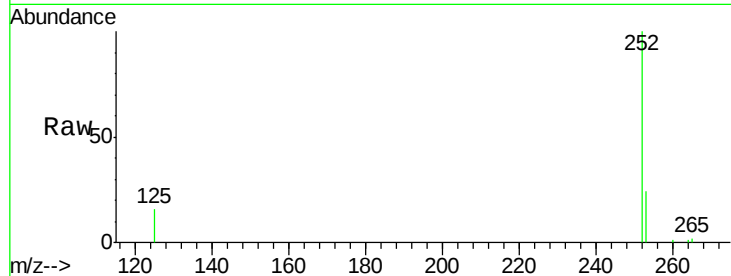
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.8	31.2
125	15.6	12.2	18.4



#25

Benzo(a)pyrene

Concen: 0.37 ng/ul

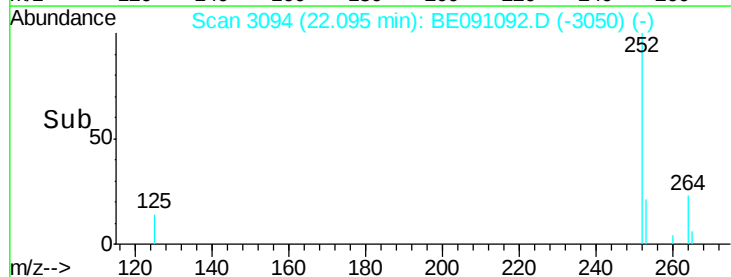
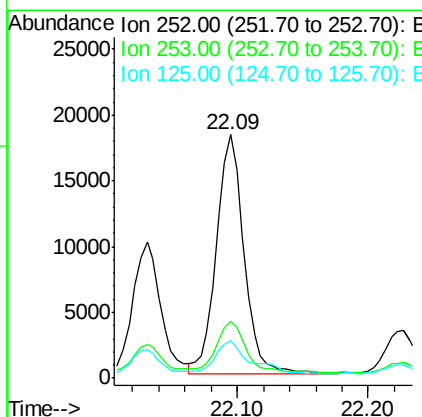
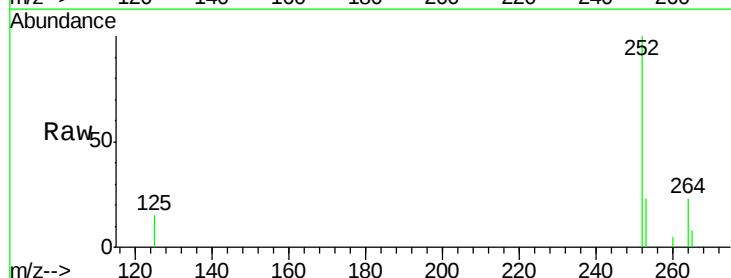
RT: 22.09 min Scan# 3094

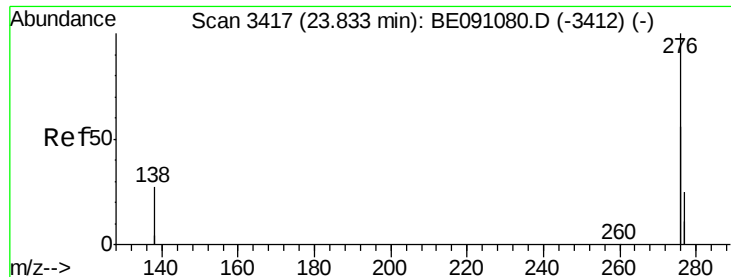
Delta R.T. 0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	21.8	32.8
125	15.2	14.5	21.7





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.18 ng/ul m

RT: 23.84 min Scan# 3418

Delta R.T. 0.01 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

Instrument :

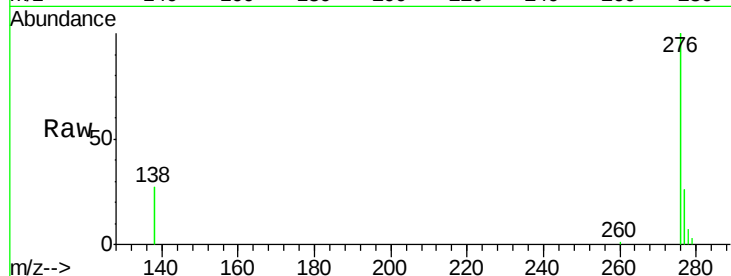
BNA_E

ClientSampleId :

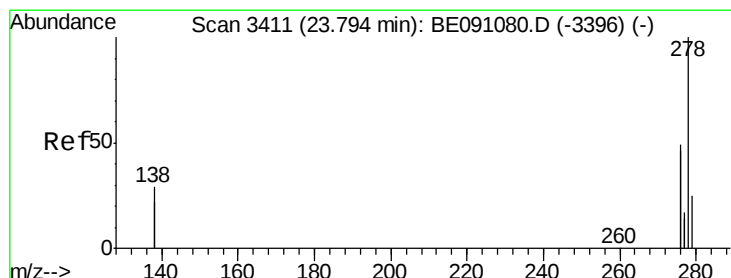
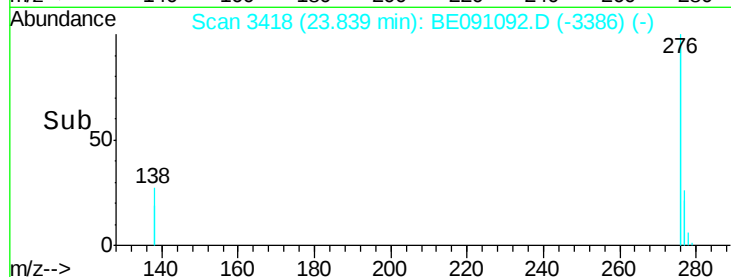
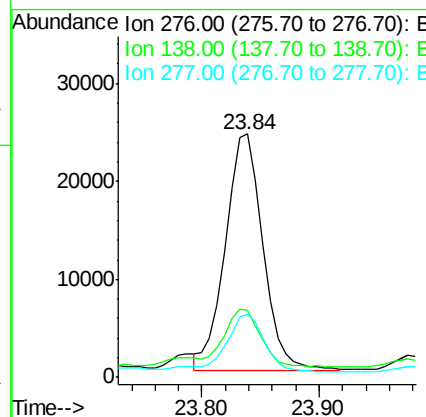
C0AP8DL

Manual Integrations
APPROVED

Mmdadoda
11/9/2015 6:48:30 PM



Tgt Ion:	276	Resp:	53464
Ion Ratio	Lower	Upper	
276	100		
138	24.1	27.5	41.3#
277	26.3	19.3	28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.06 ng/ul

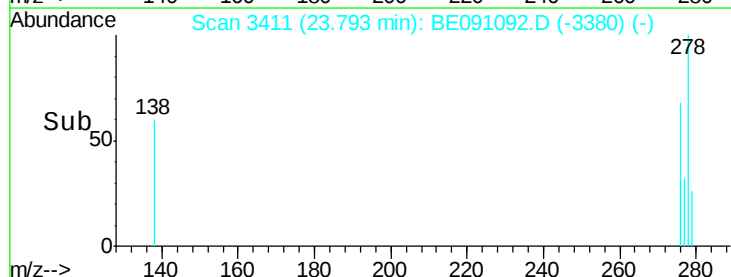
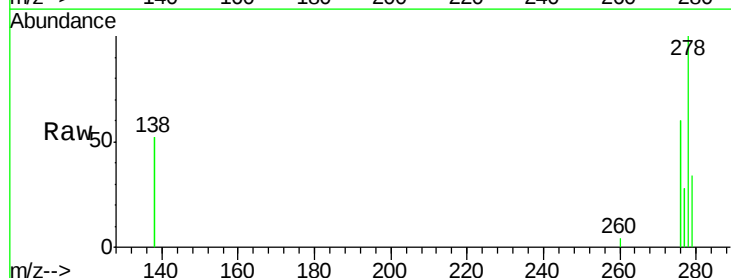
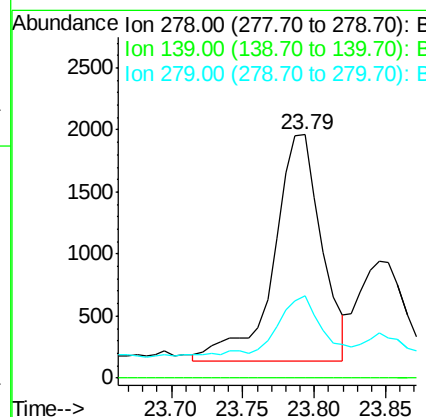
RT: 23.79 min Scan# 3411

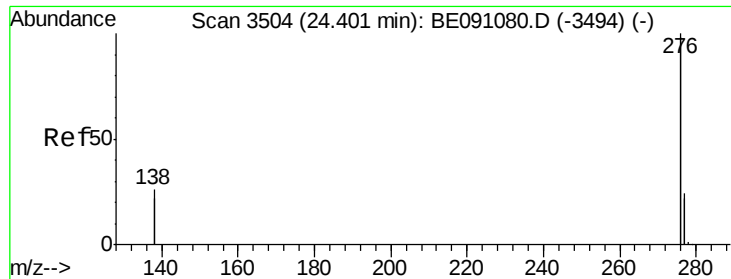
Delta R.T. -0.00 min

Lab File: BE091092.D

Acq: 6 Nov 2015 16:00

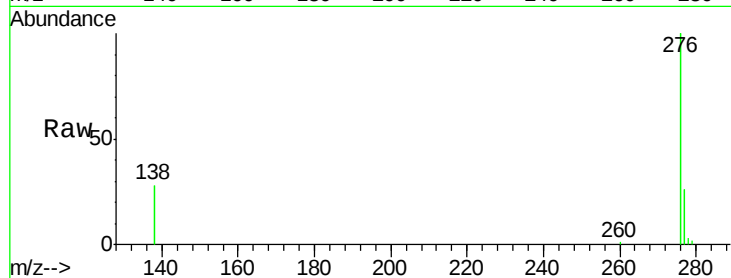
Tgt Ion:	278	Resp:	4251
Ion Ratio	Lower	Upper	
278	100		
139	0.0	21.7	32.5#
279	34.0	21.9	32.9#





#28
 Benzo(g,h,i)perylene
 Concen: 0.14 ng/ul
 RT: 24.40 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: BE091092.D
 Acq: 6 Nov 2015 16:00

Instrument :
 BNA_E
 ClientSampleId :
 C0AP8DL



Tgt Ion:	276	Resp:	46091
Ion Ratio	Lower	Upper	
276	100		
277	26.0	21.3	31.9
138	28.4	25.5	38.3

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 6:48:30 PM

