

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091085.D
 Acq On : 6 Nov 2015 11:44
 Operator : UM/NP
 Sample : G4273-05DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP0DL

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 6:48:02 PM

Quant Time: Nov 09 13:53:00 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	3155	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	17534	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	10089	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	24292	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	26091	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	26484	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.98	96	2607	1.15	ng/uL	0.03
6) 2-Methylnaphthalene-d10	11.08	152	1043	0.04	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	2842	0.04	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.61	128	3446	0.08	ng/ul#	94
7) 2-Methylnaphthalene	11.15	142	3190	0.11	ng/ul	95
9) Acenaphthylene	13.14	152	5223	0.10	ng/ul	100
10) Acenaphthene	13.46	153	34479	1.00	ng/ul	95
11) Fluorene	14.45	166	44824	1.01	ng/ul	90
14) Phenanthrene	16.17	178	501664	1.79	ng/ul	97
15) Anthracene	16.25	178	437107	1.71	ng/ul	98
17) Fluoranthene	18.15	202	714823	2.18	ng/ul	88
19) Pyrene	18.54	202	510249	1.72	ng/ul#	78
20) Benzo(a)anthracene	20.26	228	54733	0.82	ng/ul	95
21) Chrysene	20.32	228	53199	0.69	ng/ul	97
23) Benzo(b)fluoranthene	21.63	252	28648	0.35	ng/ul	95
24) Benzo(k)fluoranthene	21.65	252	32291	0.38	ng/ul	96
25) Benzo(a)pyrene	22.09	252	33328	0.44	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	61301m	0.19	ng/ul	
27) Dibenzo(a,h)anthracene	23.79	278	4967	0.06	ng/ul#	69
28) Benzo(g,h,i)perylene	24.40	276	49951	0.15	ng/ul	96

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

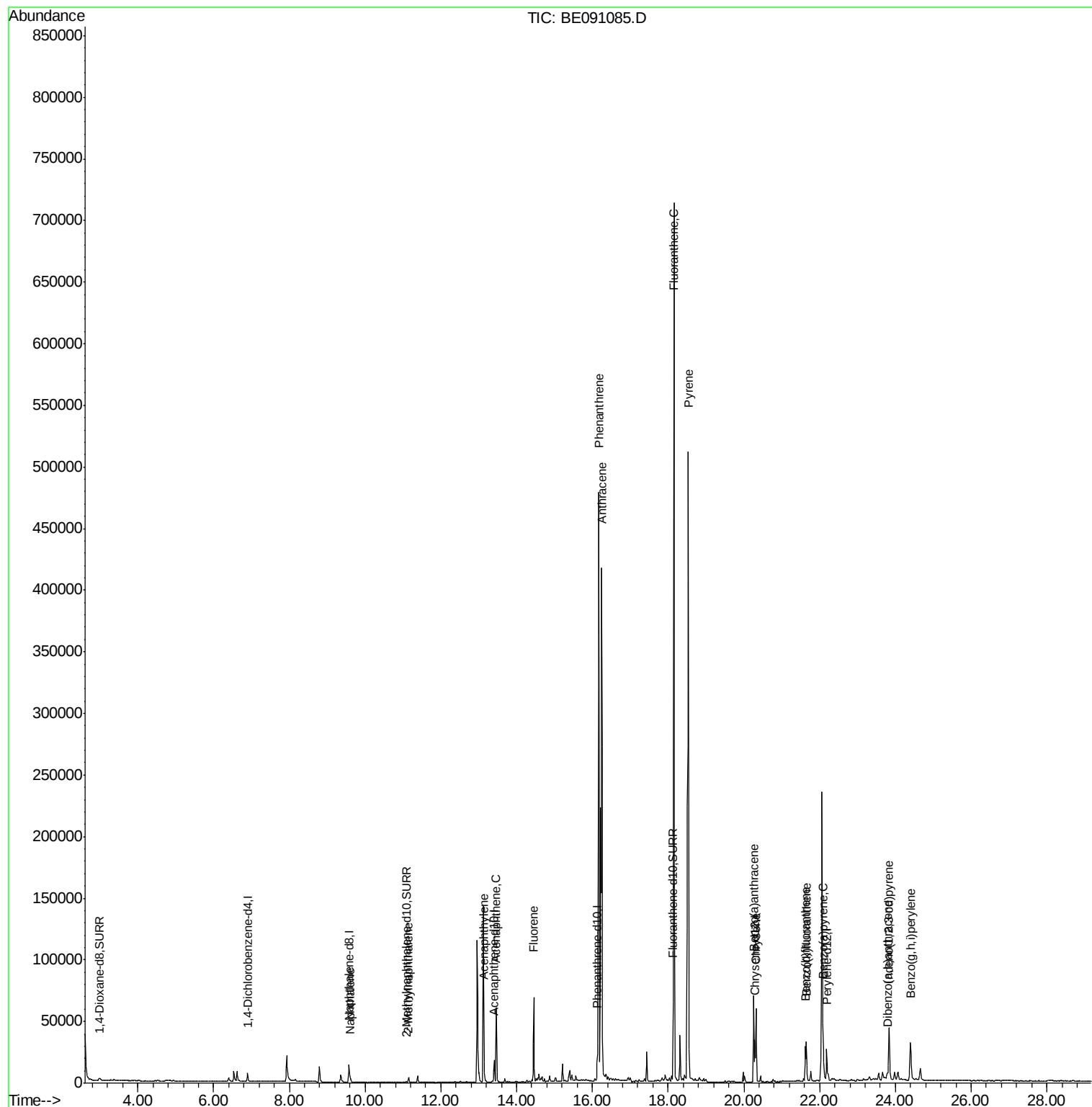
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
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ALS Vial : 21 Sample Multiplier: 1

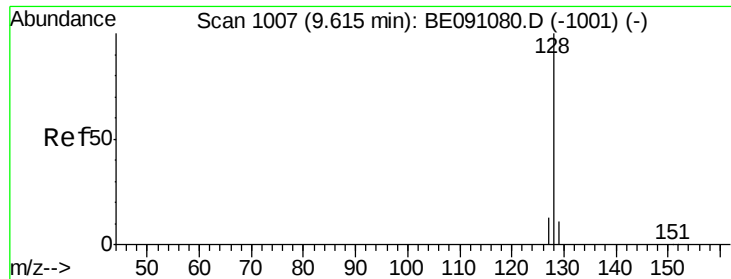
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QLast Update : Mon Nov 09 05:49:45 2015
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#5

Naphthalene

Concen: 0.08 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Instrument :

BNA_E

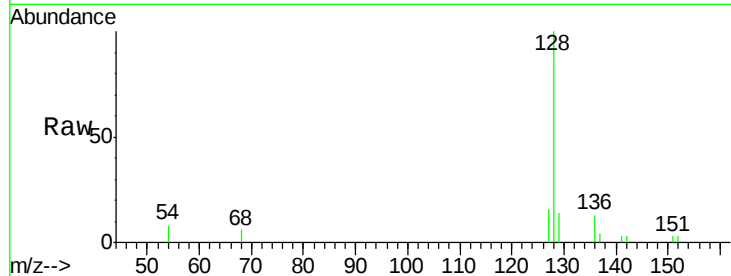
ClientSampleId :

C0AP0DL

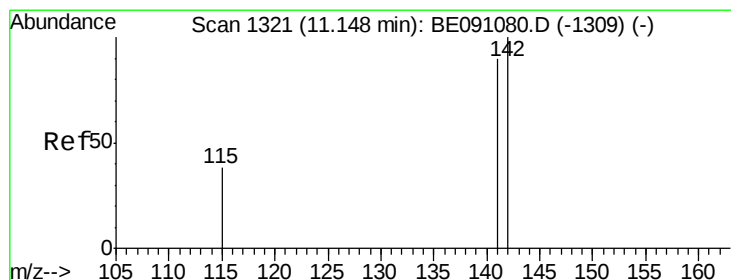
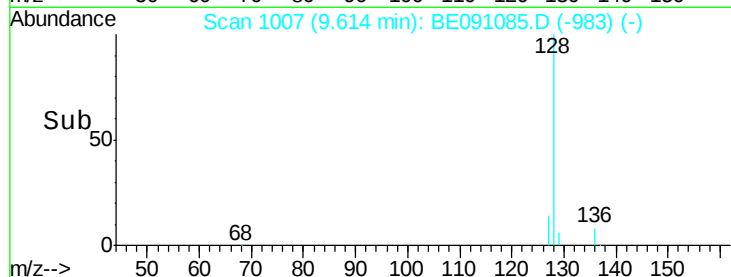
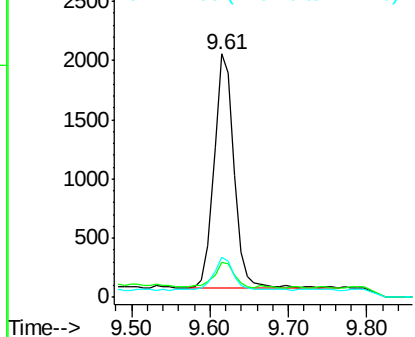
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Tgt Ion:	128	Resp:	3446
Ion Ratio	Lower	Upper	
128	100		
129	14.4	9.8	14.8
127	16.4	10.7	16.1#



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: 0.11 ng/ul

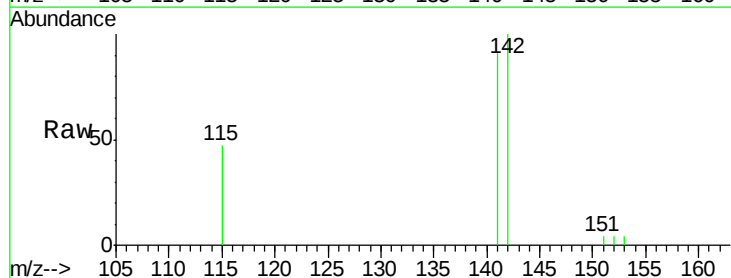
RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

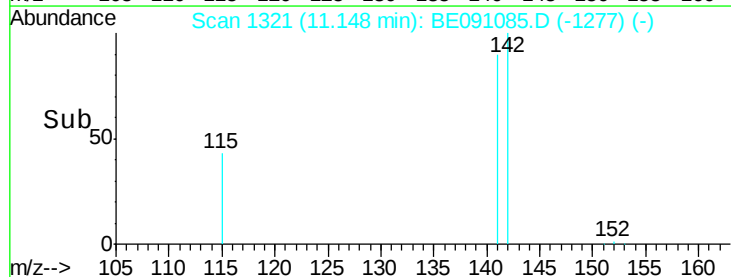
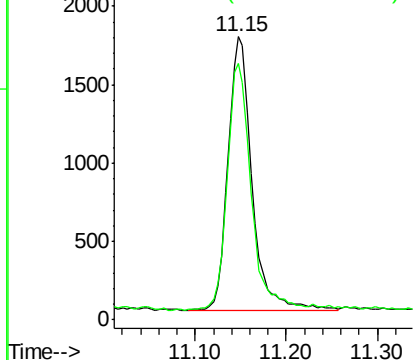
Lab File: BE091085.D

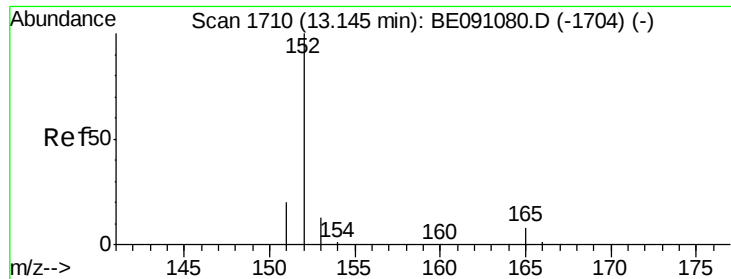
Acq: 6 Nov 2015 11:44

Tgt Ion:	142	Resp:	3190
Ion Ratio	Lower	Upper	
142	100		
141	92.4	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: 0.10 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091085.D

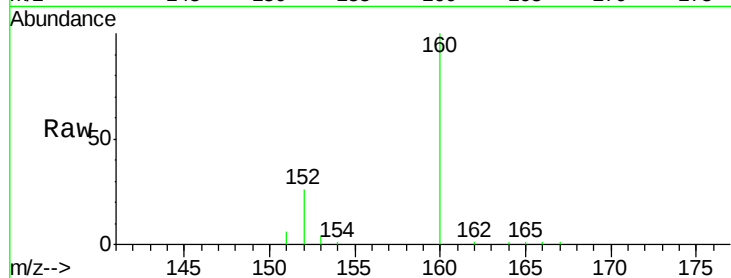
Acq: 6 Nov 2015 11:44

Instrument :

BNA_E

ClientSampleId :

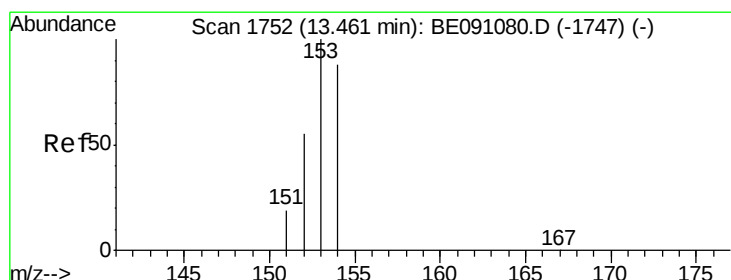
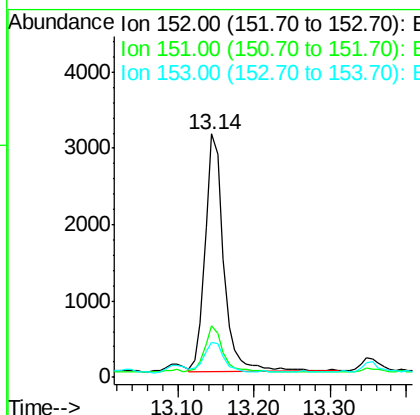
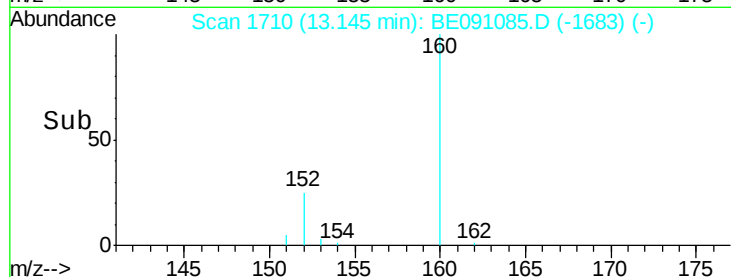
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Tgt Ion:	152	Resp:	5223
Ion Ratio	Lower	Upper	
152	100		
151	21.2	16.8	25.2
153	14.3	11.3	16.9

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#10

Acenaphthene

Concen: 1.00 ng/ul

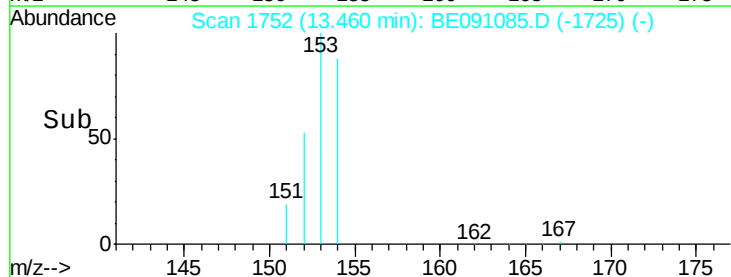
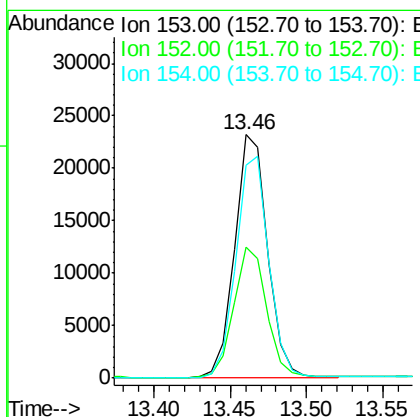
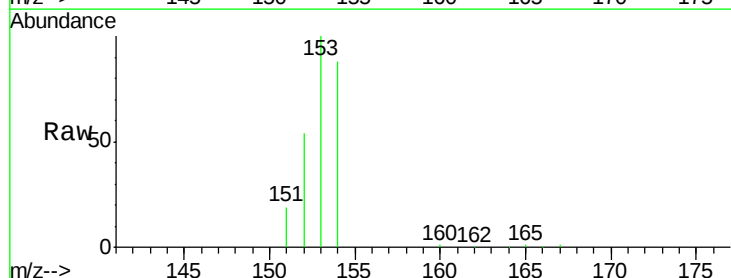
RT: 13.46 min Scan# 1752

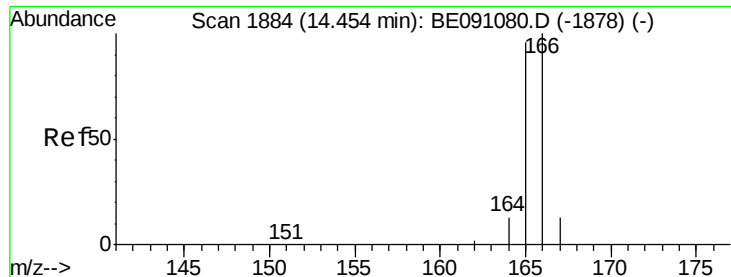
Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Tgt Ion:	153	Resp:	34479
Ion Ratio	Lower	Upper	
153	100		
152	53.6	42.3	63.5
154	87.7	64.7	97.1





#11

Fluorene

Concen: 1.01 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Instrument :

BNA_E

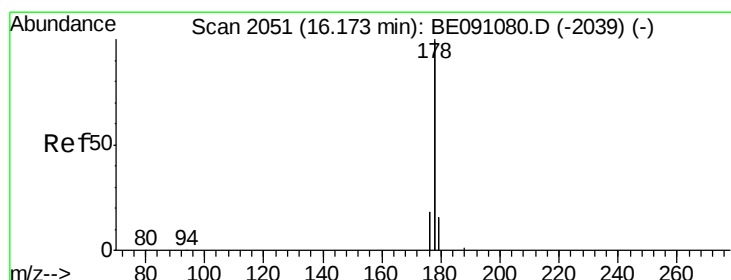
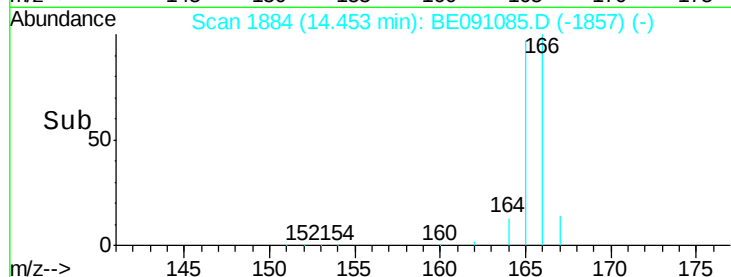
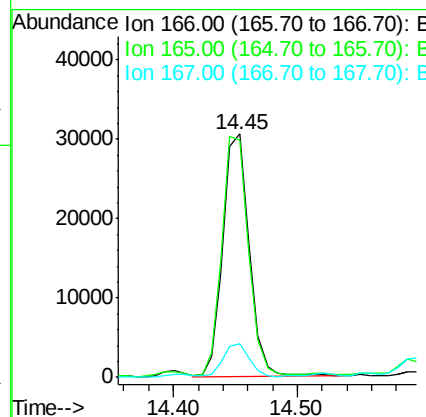
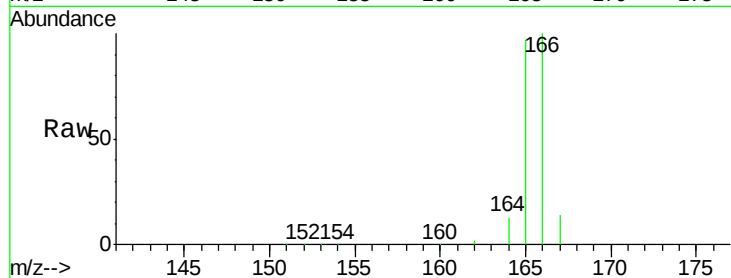
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Tgt Ion:	166	Resp:	44824
Ion Ratio	Lower	Upper	
166	100		
165	97.5	87.6	131.4
167	13.7	11.1	16.7



#14

Phenanthrene

Concen: 1.79 ng/ul

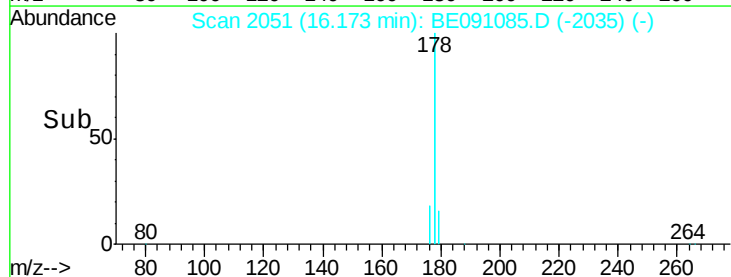
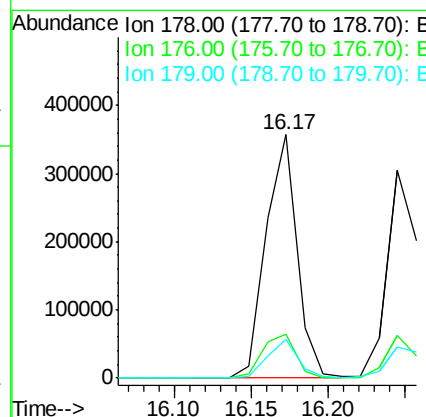
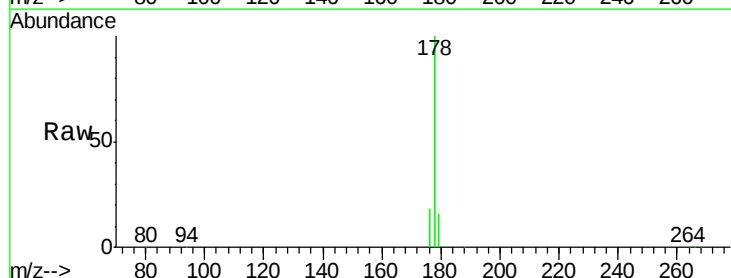
RT: 16.17 min Scan# 2051

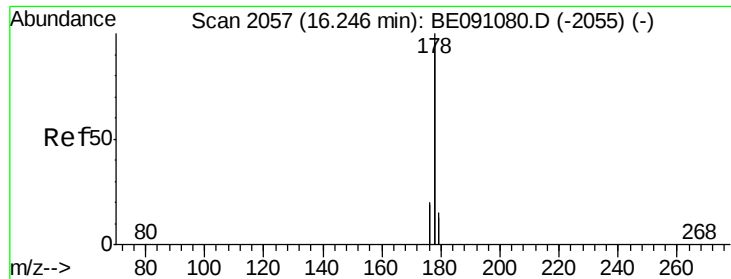
Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Tgt Ion:	178	Resp:	501664
Ion Ratio	Lower	Upper	
178	100		
176	17.9	16.2	24.4
179	16.1	12.8	19.2





#15

Anthracene

Concen: 1.71 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Instrument :

BNA_E

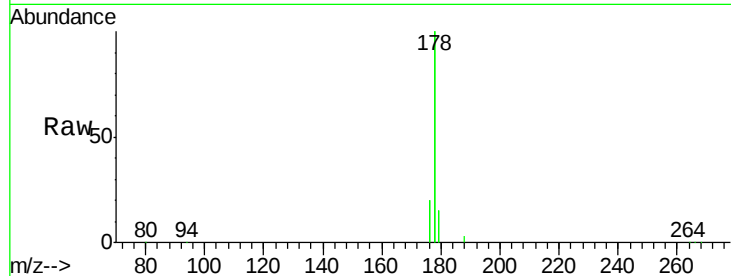
ClientSampleId :

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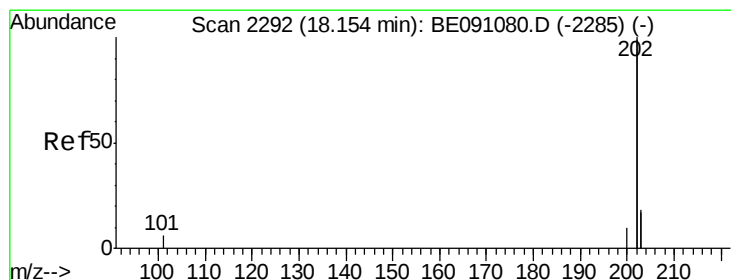
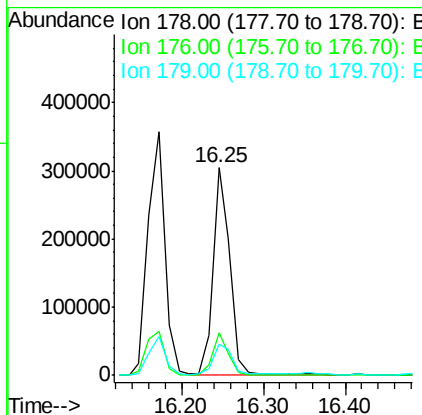
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	15.2	13.3	19.9



#17

Fluoranthene

Concen: 2.18 ng/ul

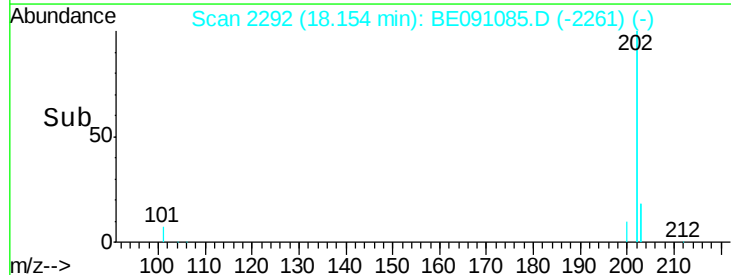
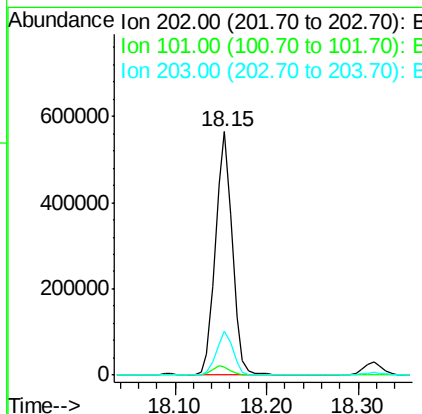
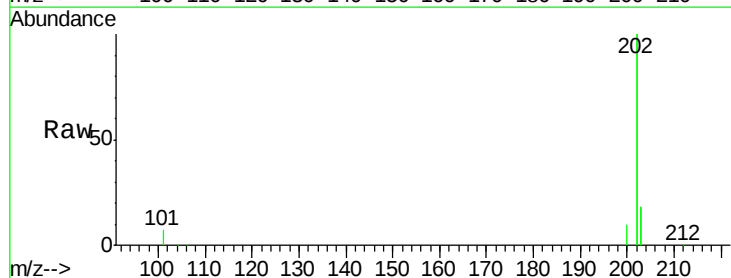
RT: 18.15 min Scan# 2292

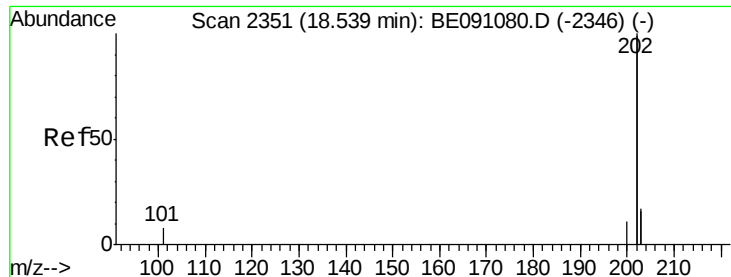
Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.3	0.0	33.1
203	18.0	0.0	37.2





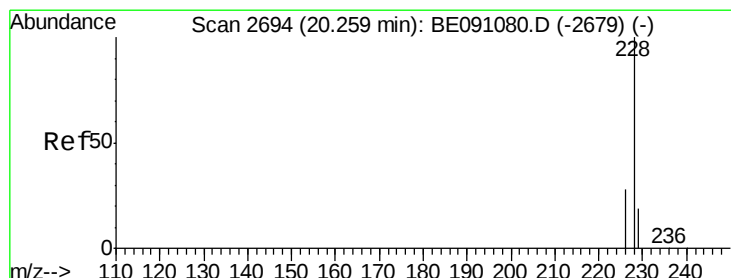
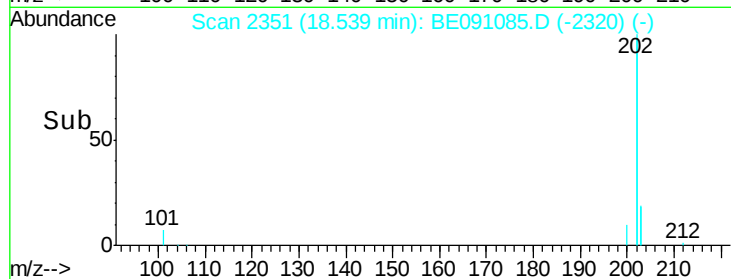
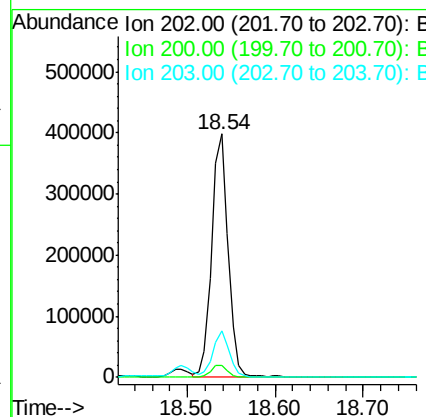
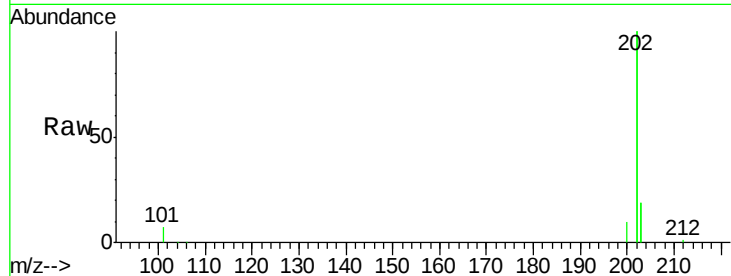
#19
Pyrene
Concen: 1.72 ng/ul
RT: 18.54 min Scan# 2351
Delta R.T. -0.00 min
Lab File: BE091085.D
Acq: 6 Nov 2015 11:44

Instrument :
BNA_E
ClientSampleId :
C0AP0DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	510249		
200	5.1	18.0	27.0#	
203	18.9	13.8	20.6	

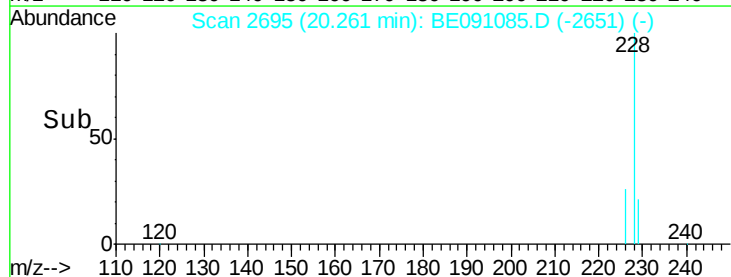
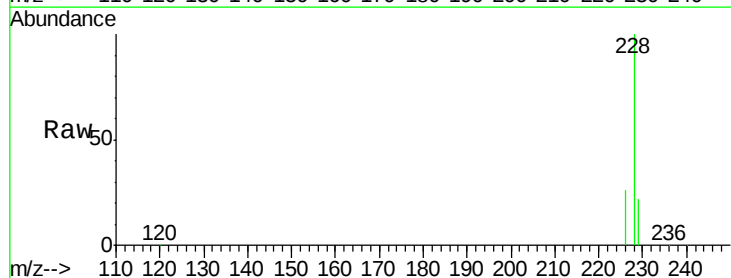
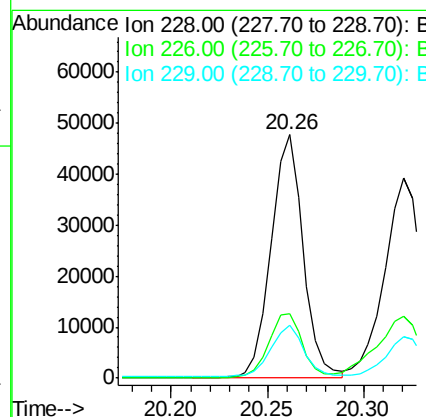
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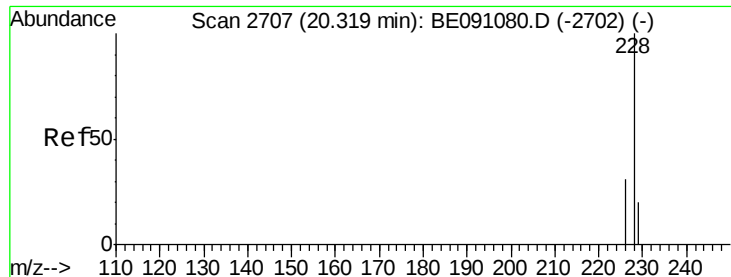
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#20
Benzo(a)anthracene
Concen: 0.82 ng/ul
RT: 20.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: BE091085.D
Acq: 6 Nov 2015 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	54733		
226	26.4	23.0	34.4	
229	21.5	15.2	22.8	





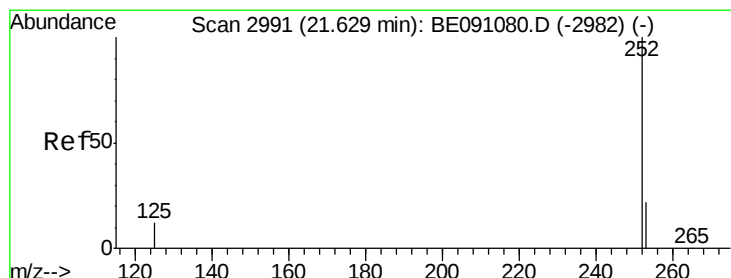
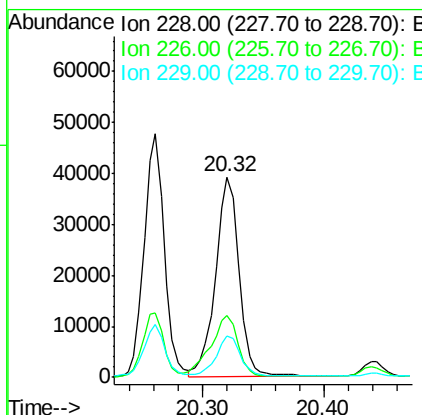
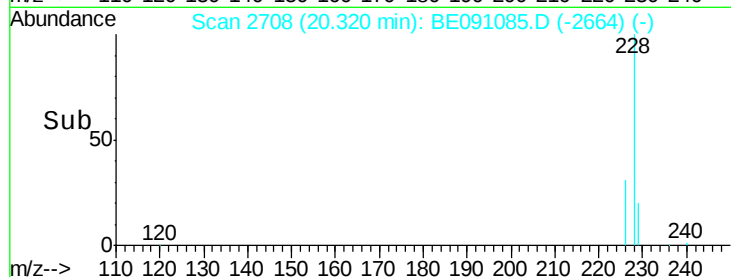
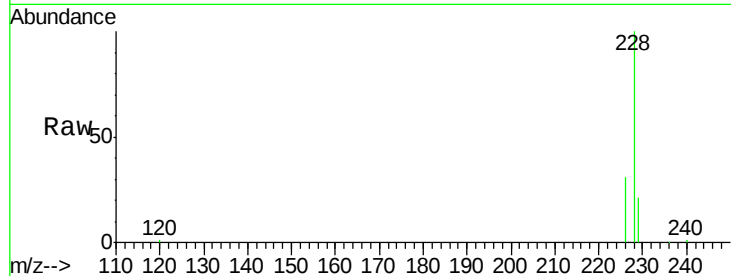
#21
Chrysene
Concen: 0.69 ng/ul
RT: 20.32 min Scan# 2708
Delta R.T. 0.00 min
Lab File: BE091085.D
Acq: 6 Nov 2015 11:44

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.7	38.5
229	20.7	15.2	22.8

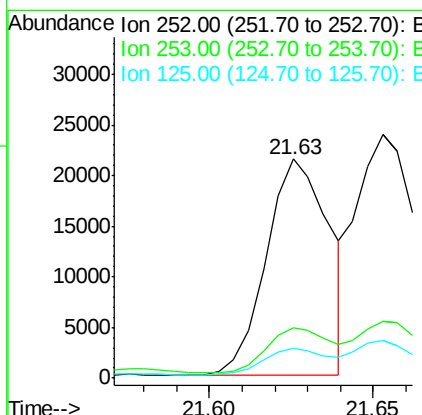
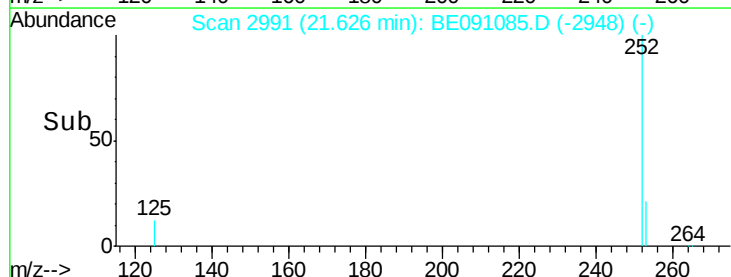
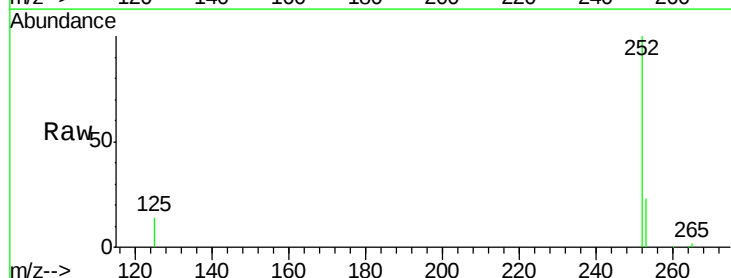
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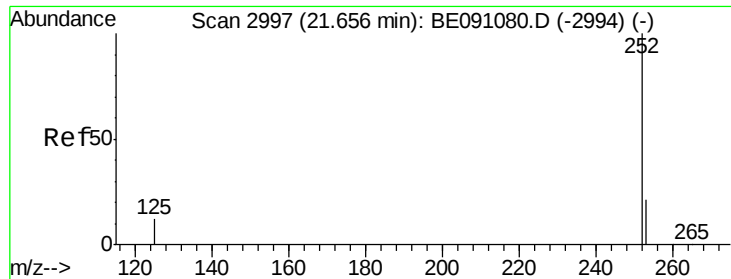
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#23
Benzo(b)fluoranthene
Concen: 0.35 ng/ul
RT: 21.63 min Scan# 2991
Delta R.T. -0.00 min
Lab File: BE091085.D
Acq: 6 Nov 2015 11:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	48.0
125	13.7	0.0	36.6





#24

Benzo(k)fluoranthene

Concen: 0.38 ng/ul

RT: 21.65 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Instrument :

BNA_E

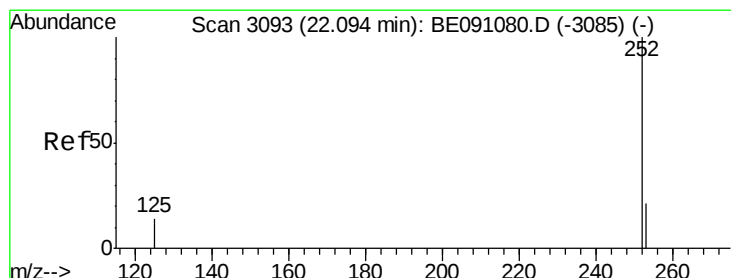
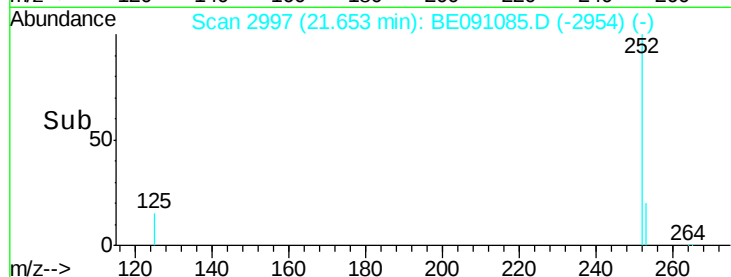
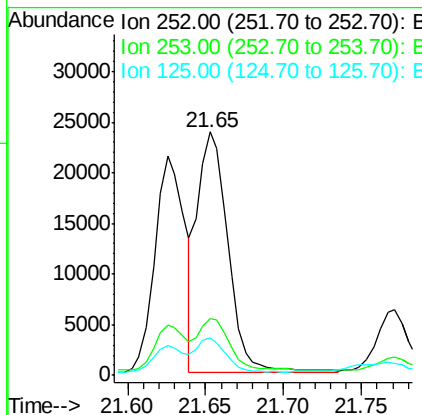
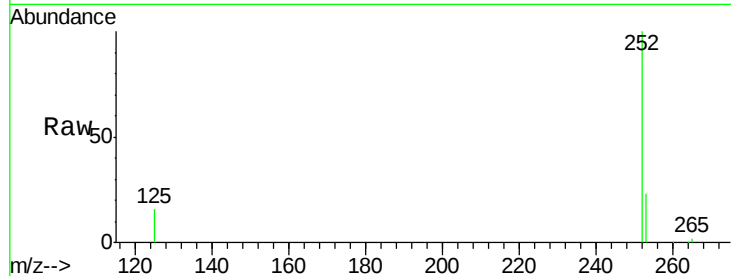
ClientSampleId :

C0AP0DL

Manual Integrations
APPROVED

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11/9/2015 6:48:02 PM

Tgt Ion:	252	Resp:	32291
Ion Ratio	Lower	Upper	
252	100		
253	23.2	20.8	31.2
125	15.6	12.2	18.4



#25

Benzo(a)pyrene

Concen: 0.44 ng/ul

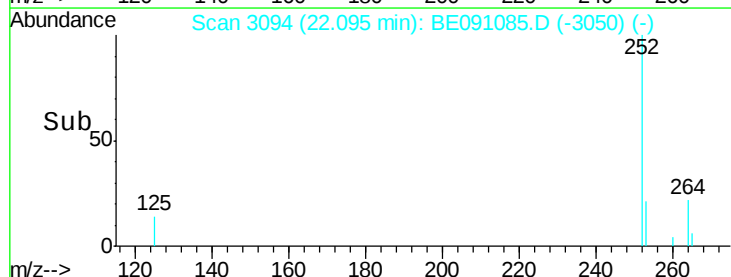
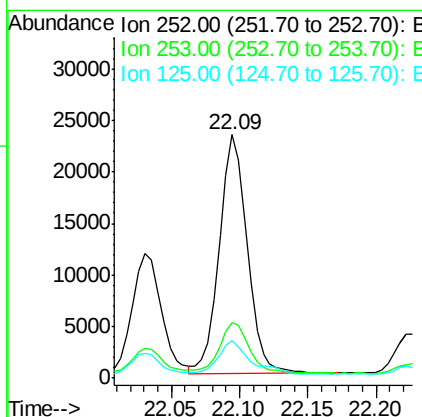
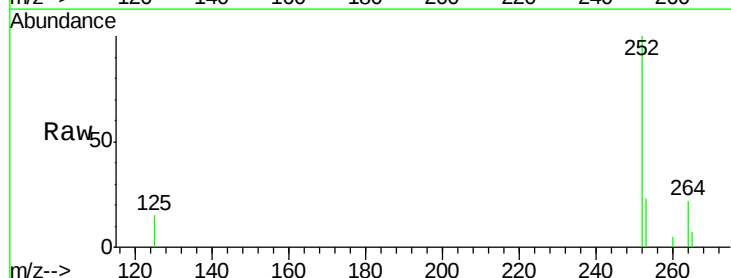
RT: 22.09 min Scan# 3094

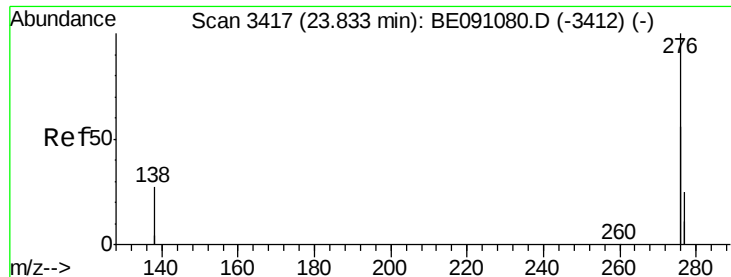
Delta R.T. 0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

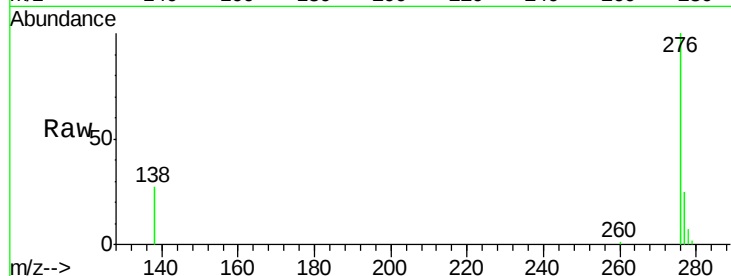
Tgt Ion:	252	Resp:	33328
Ion Ratio	Lower	Upper	
252	100		
253	22.9	21.8	32.8
125	15.2	14.5	21.7





#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.19 ng/ul m
 RT: 23.83 min Scan# 3417
 Delta R.T. -0.00 min
 Lab File: BE091085.D
 Acq: 6 Nov 2015 11:44

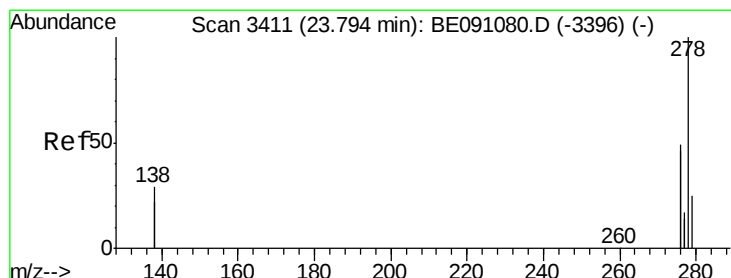
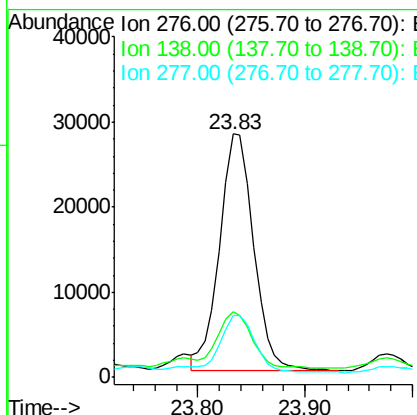
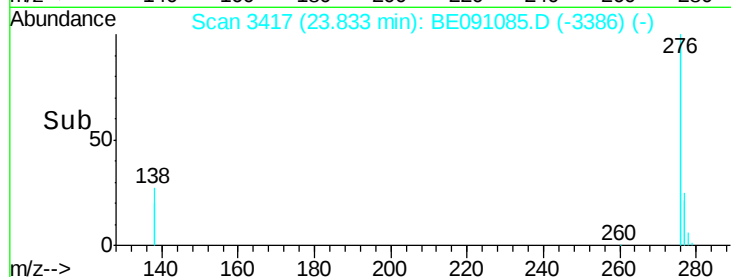
Instrument :
 BNA_E
 ClientSampleId :
 COAPODL



Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	27.5	41.3#
277	26.3	19.3	28.9

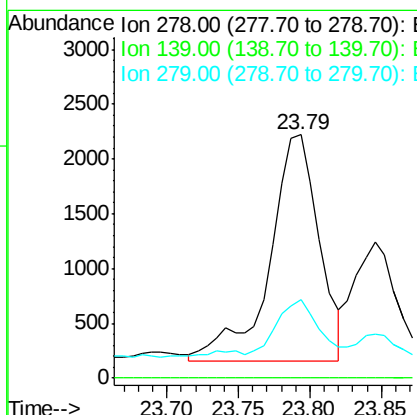
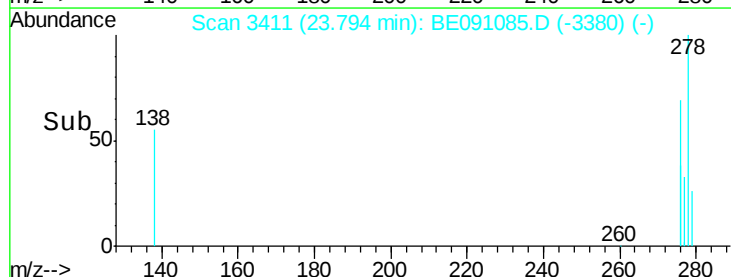
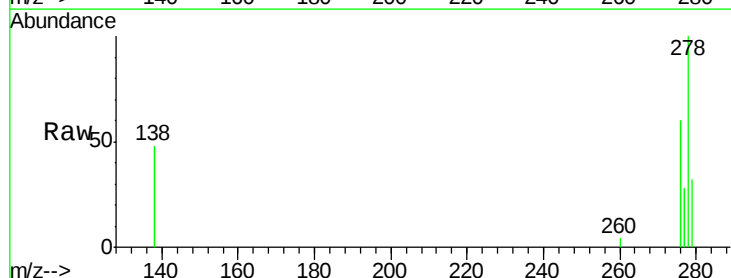
Manual Integrations
 APPROVED

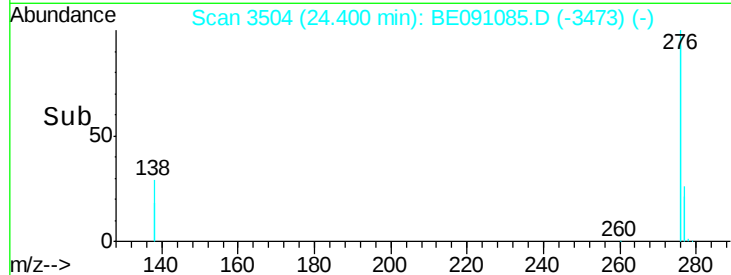
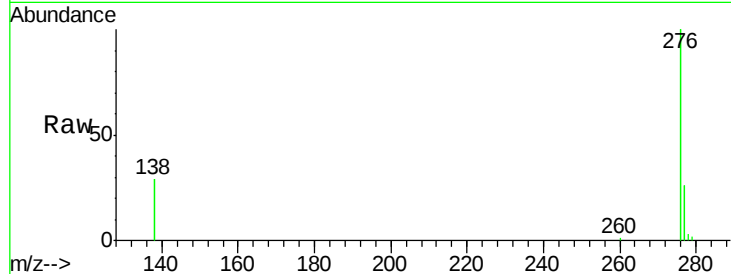
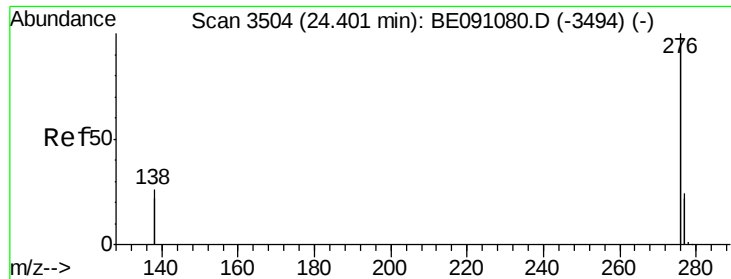
Mmdadoda
 11/9/2015 6:48:02 PM



#27
 Dibenzo(a,h)anthracene
 Concen: 0.06 ng/ul
 RT: 23.79 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: BE091085.D
 Acq: 6 Nov 2015 11:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	21.7	32.5#
279	32.3	21.9	32.9





#28

Benzo(g,h,i)perylene

Concen: 0.15 ng/ul

RT: 24.40 min Scan# 3504

Delta R.T. -0.00 min

Lab File: BE091085.D

Acq: 6 Nov 2015 11:44

Tgt Ion:	276	Resp:	49951
Ion Ratio	Lower	Upper	
276	100		
277	25.9	21.3	31.9
138	28.7	25.5	38.3

Instrument :

BNA_E

ClientSampleId :

C0AP0DL

Manual Integrations
APPROVED

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11/9/2015 6:48:02 PM

