

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091091.D
 Acq On : 6 Nov 2015 15:24
 Operator : UM/NP
 Sample : G4273-11DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7DL

Manual Integrations
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 11/9/2015 6:48:27 PM

Quant Time: Nov 09 13:58:29 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	3011	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	16540	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	9611	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	22914	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	24713	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	25222	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.97	96	2827	1.31	ng/uL	0.02
6) 2-Methylnaphthalene-d10	11.07	152	1069	0.05	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	3130	0.05	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.61	128	5277	0.13	ng/ul	97
7) 2-Methylnaphthalene	11.15	142	9443	0.36	ng/ul	98
9) Acenaphthylene	13.14	152	3599	0.07	ng/ul	98
10) Acenaphthene	13.46	153	35601	1.08	ng/ul	93
11) Fluorene	14.45	166	44080	1.04	ng/ul	91
14) Phenanthrene	16.17	178	886971	3.35	ng/ul	97
15) Anthracene	16.24	178	337119	1.40	ng/ul	98
17) Fluoranthene	18.15	202	720147	2.33	ng/ul	88
19) Pyrene	18.54	202	525233	1.87	ng/ul#	78
20) Benzo(a)anthracene	20.26	228	51993	0.82	ng/ul	95
21) Chrysene	20.32	228	49963	0.68	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	29537	0.38	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	32228	0.40	ng/ul	97
25) Benzo(a)pyrene	22.09	252	34441	0.47	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	65569m	0.21	ng/ul	
27) Dibenzo(a,h)anthracene	23.79	278	5090	0.07	ng/ul#	70
28) Benzo(g,h,i)perylene	24.40	276	56228	0.18	ng/ul	96

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

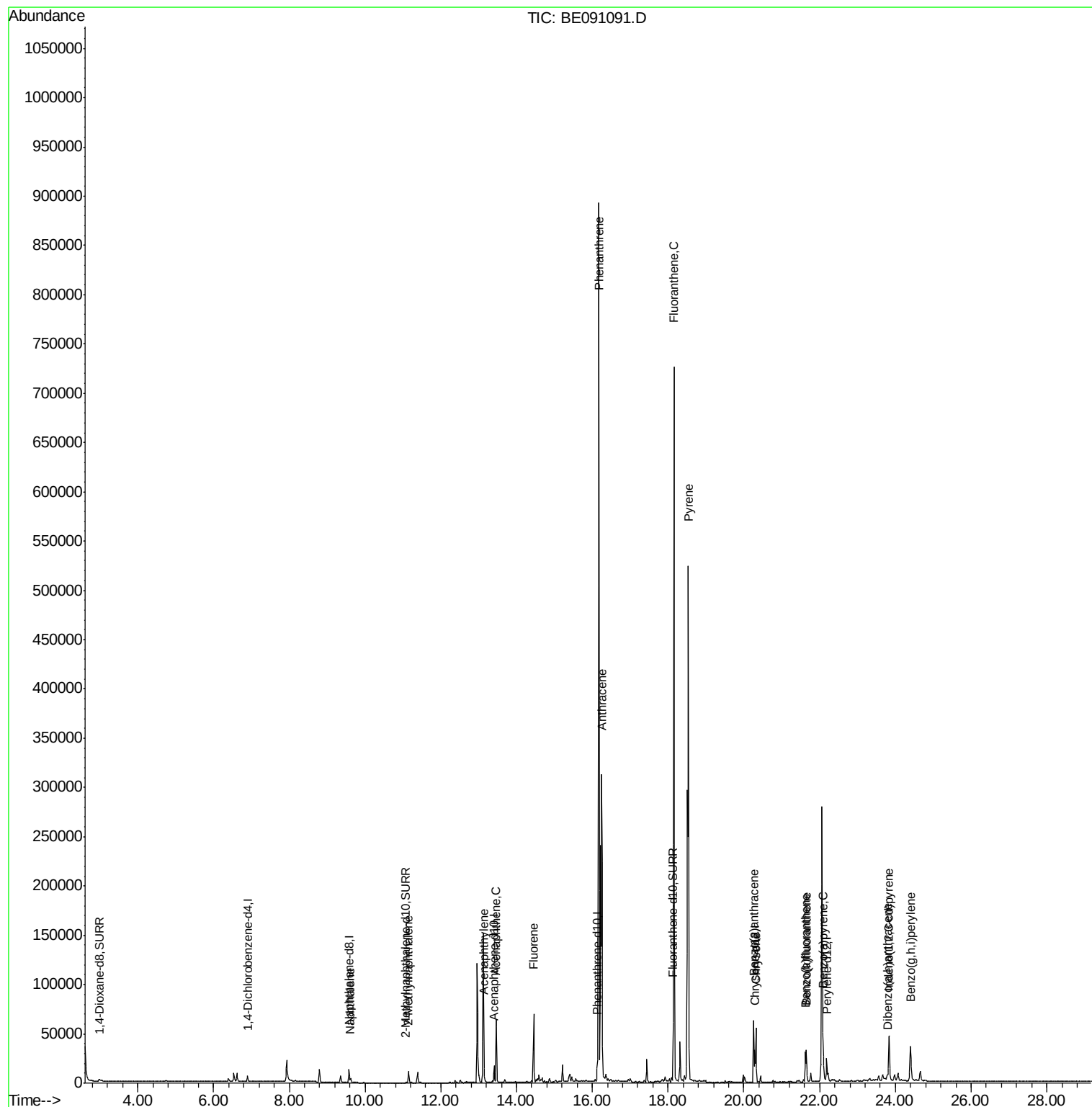
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
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ALS Vial : 27 Sample Multiplier: 1

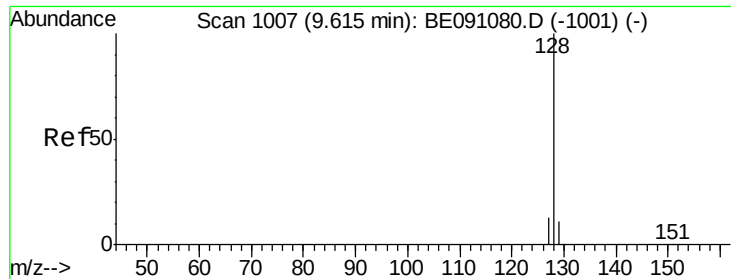
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 09 05:49:45 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.13 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091091.D

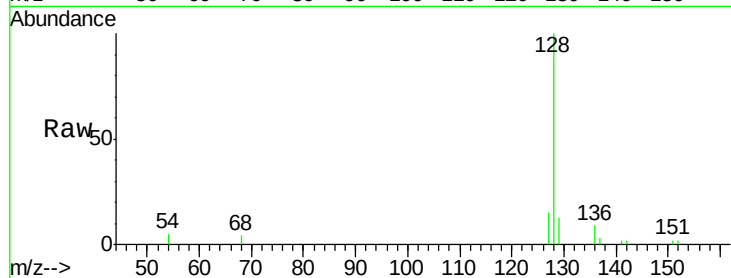
Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

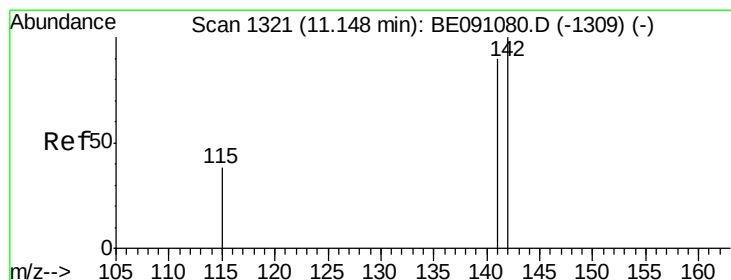
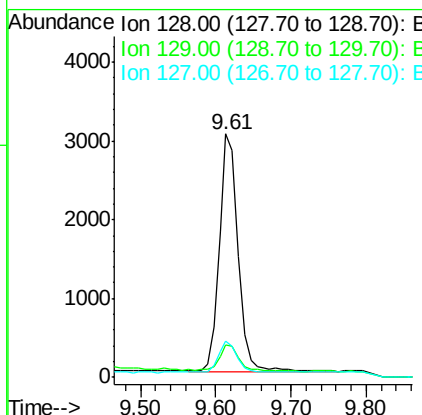
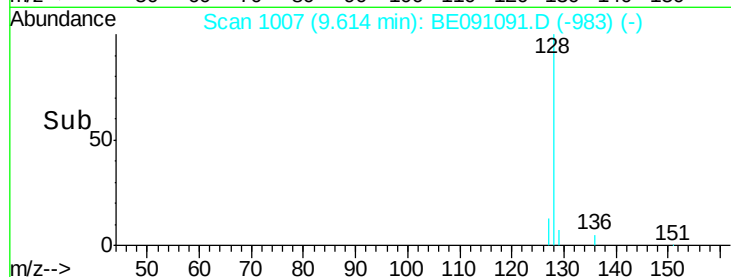
C0AP7DL



Tgt Ion:	128	Resp:	5277
Ion Ratio	Lower	Upper	
128	100		
129	13.2	9.8	14.8
127	15.0	10.7	16.1

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#7

2-Methylnaphthalene

Concen: 0.36 ng/ul

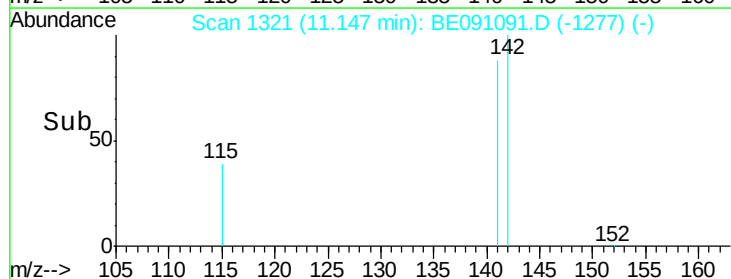
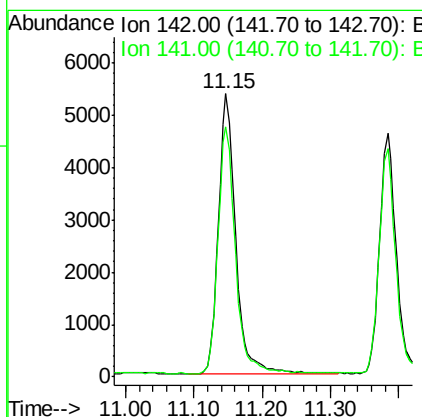
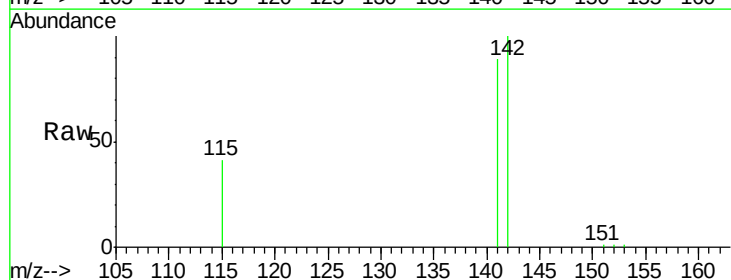
RT: 11.15 min Scan# 1321

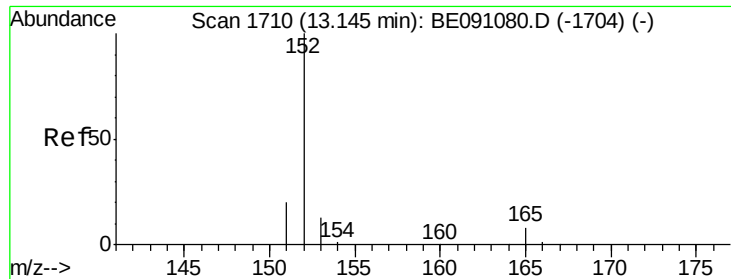
Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Tgt Ion:	142	Resp:	9443
Ion Ratio	Lower	Upper	
142	100		
141	90.0	70.3	105.5





#9

Acenaphthylene

Concen: 0.07 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091091.D

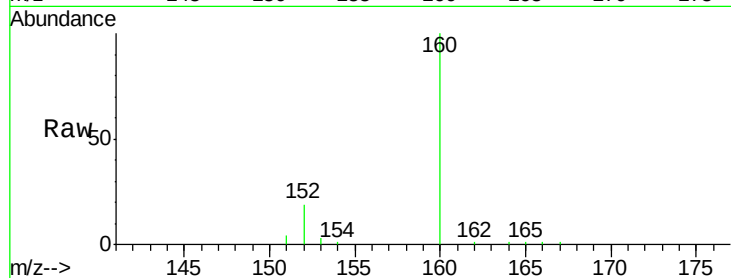
Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

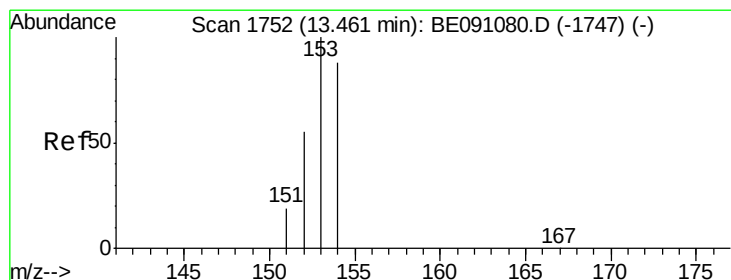
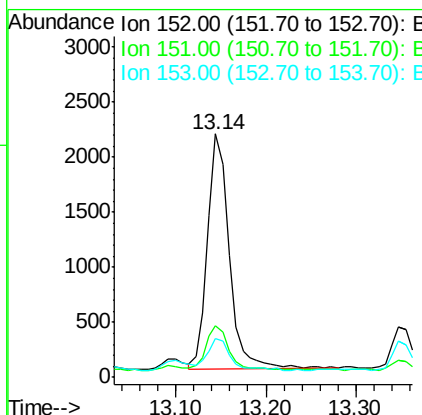
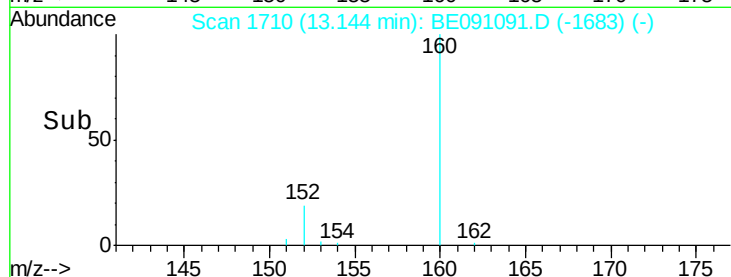
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.8	25.2
153	15.7	11.3	16.9

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#10

Acenaphthene

Concen: 1.08 ng/ul

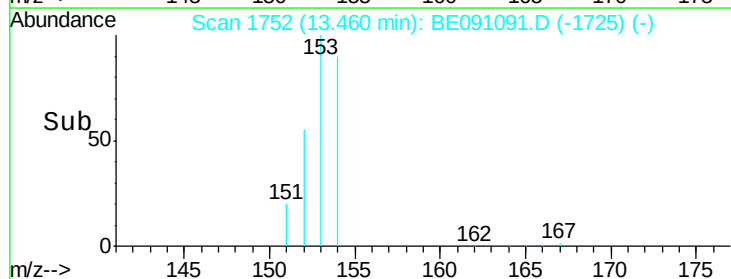
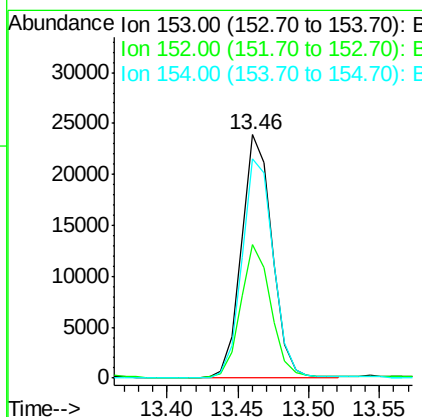
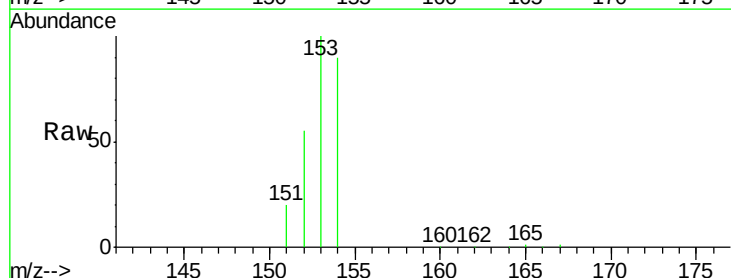
RT: 13.46 min Scan# 1752

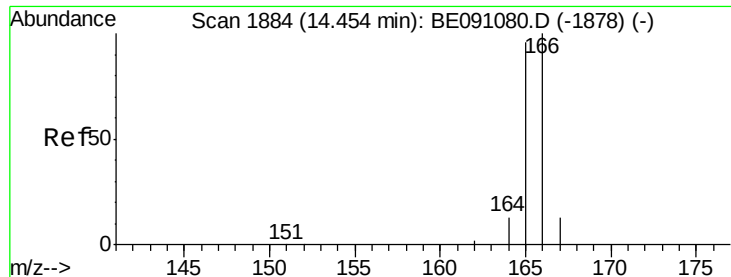
Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Tgt Ion	Ratio	Lower	Upper
153	100		
152	54.8	42.3	63.5
154	90.1	64.7	97.1





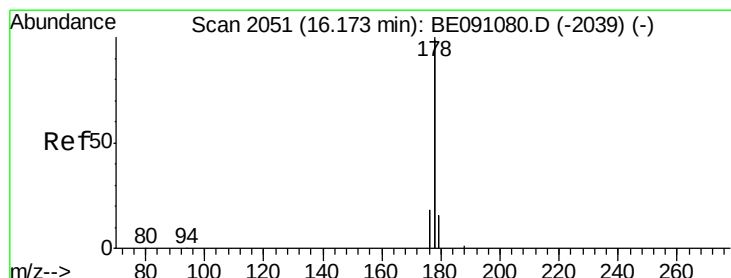
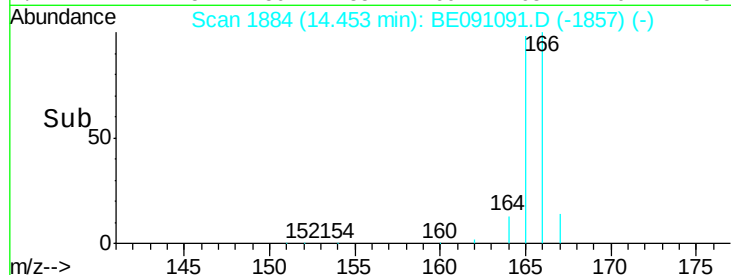
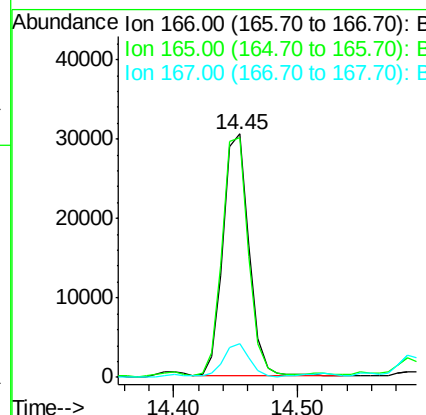
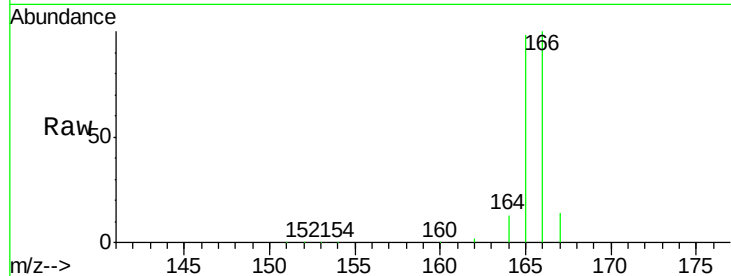
#11
Fluorene
 Concen: 1.04 ng/ul
 RT: 14.45 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: BE091091.D
 Acq: 6 Nov 2015 15:24

Instrument :
 BNA_E
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	87.6	131.4
167	13.9	11.1	16.7

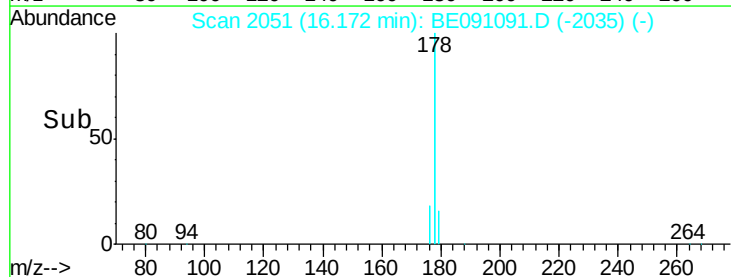
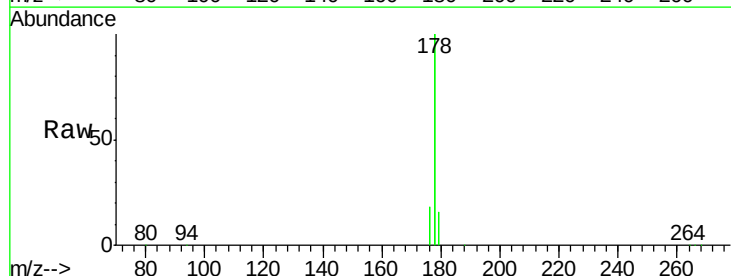
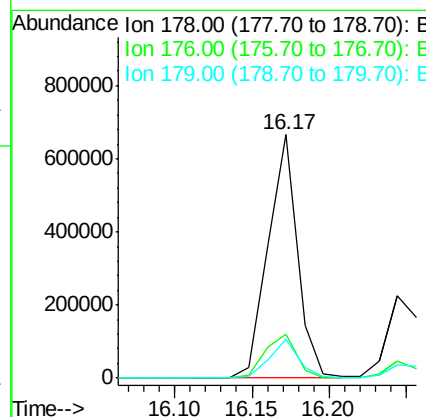
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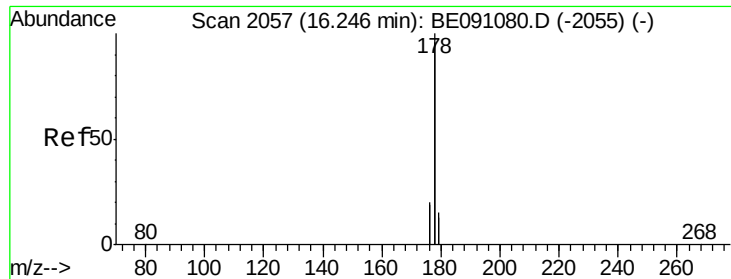
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#14
Phenanthrene
 Concen: 3.35 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BE091091.D
 Acq: 6 Nov 2015 15:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.2	24.4
179	16.2	12.8	19.2





#15

Anthracene

Concen: 1.40 ng/ul

RT: 16.24 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

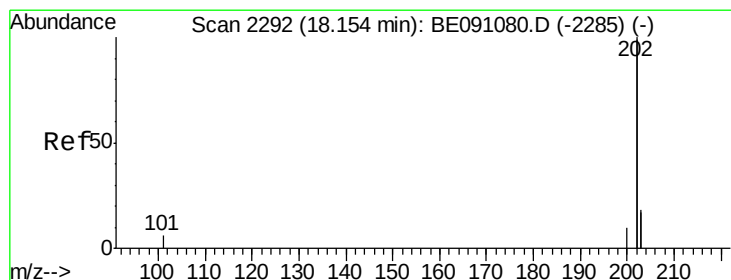
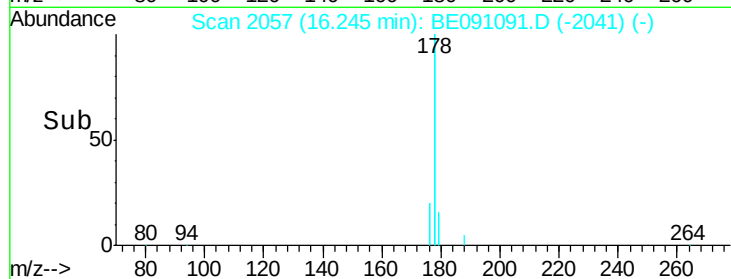
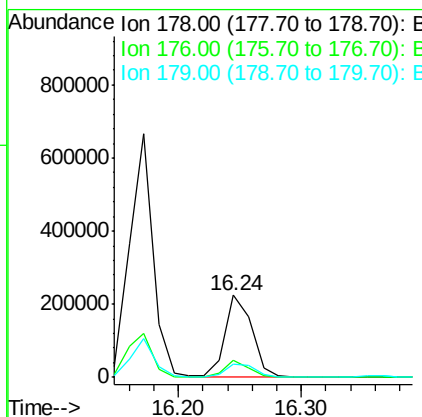
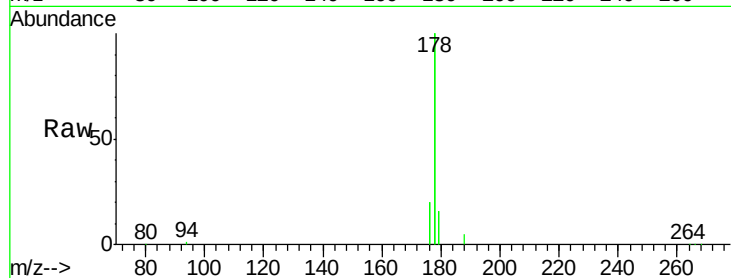
ClientSampleId :

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Tgt Ion:	178	Resp:	337119
Ion Ratio	Lower	Upper	
178	100		
176	20.4	15.8	23.8
179	15.6	13.3	19.9



#17

Fluoranthene

Concen: 2.33 ng/ul

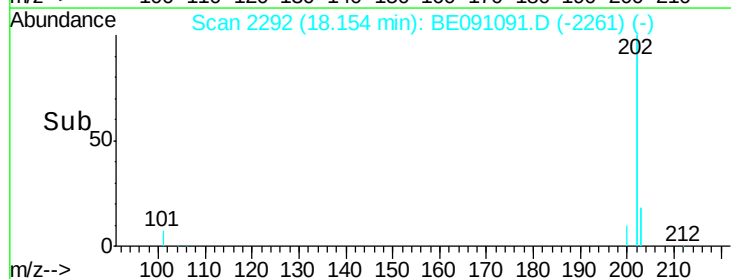
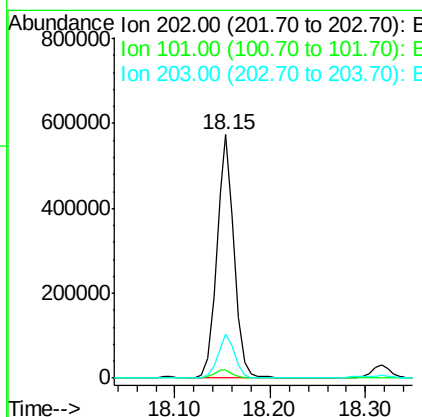
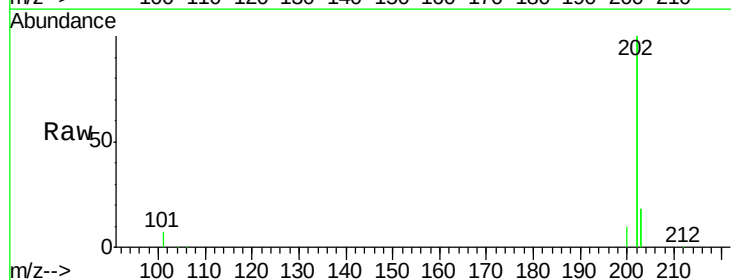
RT: 18.15 min Scan# 2292

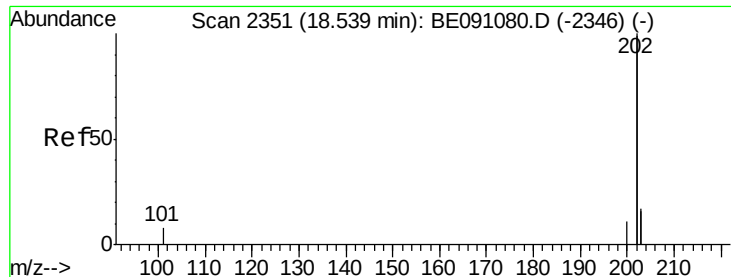
Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Tgt Ion:	202	Resp:	720147
Ion Ratio	Lower	Upper	
202	100		
101	3.3	0.0	33.1
203	18.1	0.0	37.2





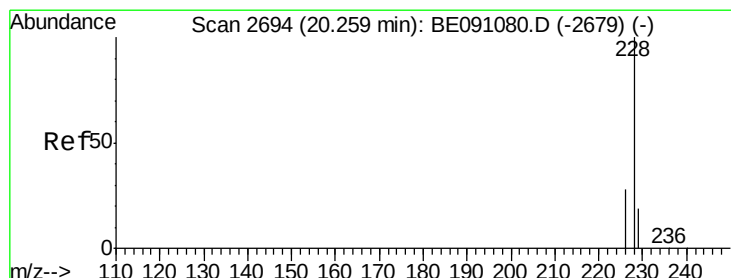
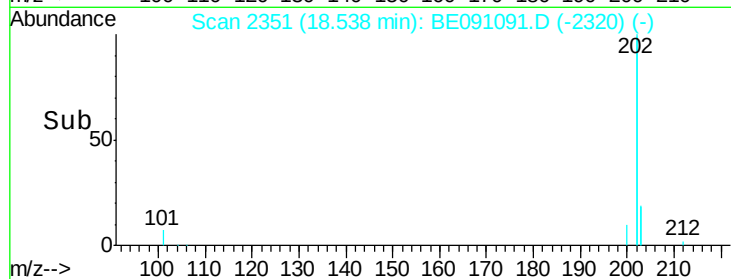
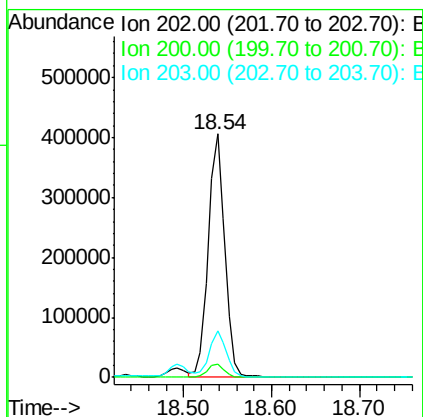
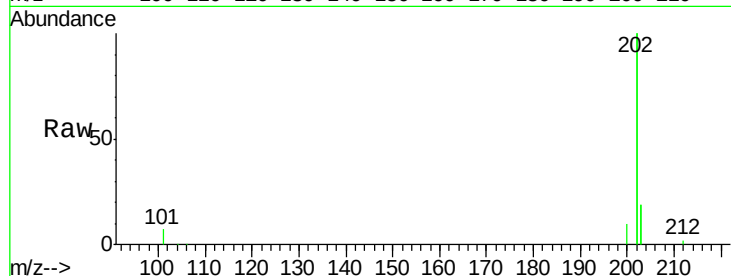
#19
 Pyrene
 Concen: 1.87 ng/ul
 RT: 18.54 min Scan# 2351
 Delta R.T. -0.00 min
 Lab File: BE091091.D
 Acq: 6 Nov 2015 15:24

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	5.2	18.0	27.0#
203	19.0	13.8	20.6

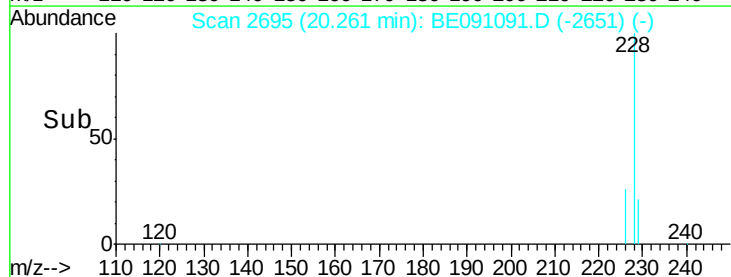
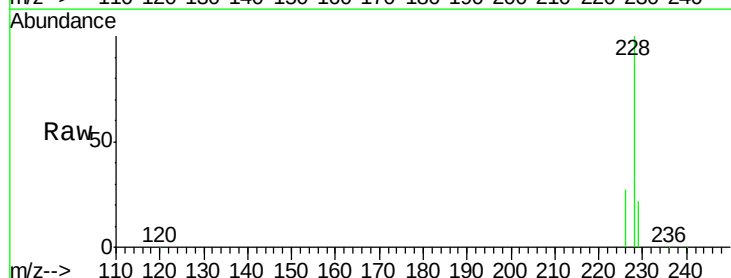
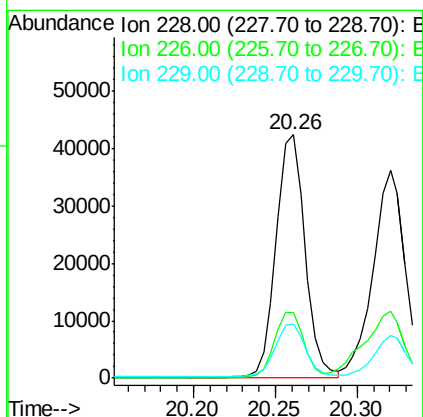
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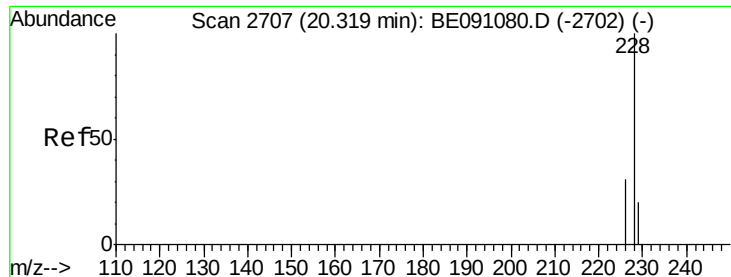
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#20
 Benzo(a)anthracene
 Concen: 0.82 ng/ul
 RT: 20.26 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: BE091091.D
 Acq: 6 Nov 2015 15:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.8	23.0	34.4
229	22.0	15.2	22.8





#21

Chrysene

Concen: 0.68 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. 0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

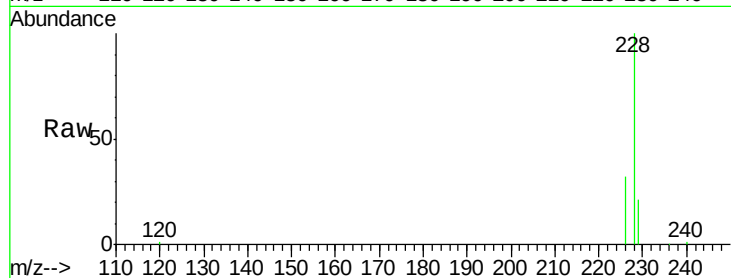
ClientSampleId :

C0AP7DL

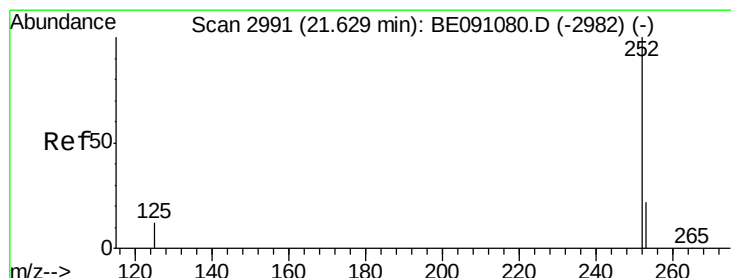
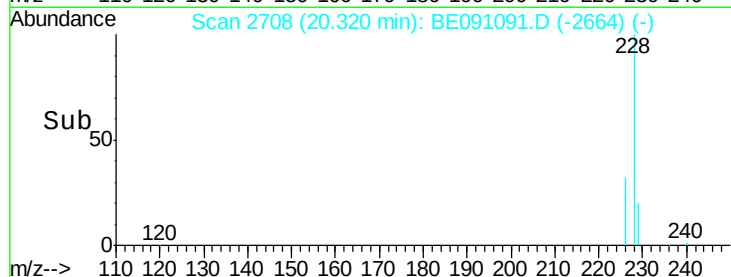
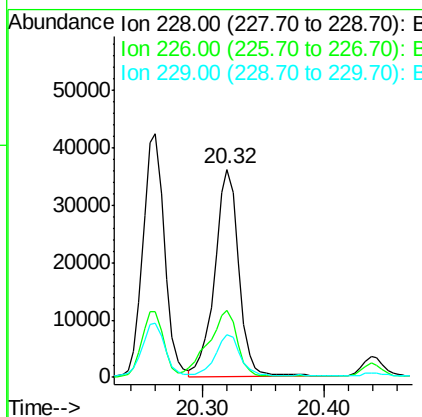
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Tgt Ion:	228	Resp:	49963
Ion Ratio	Lower	Upper	
228	100		
226	31.9	25.7	38.5
229	20.7	15.2	22.8



#23

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

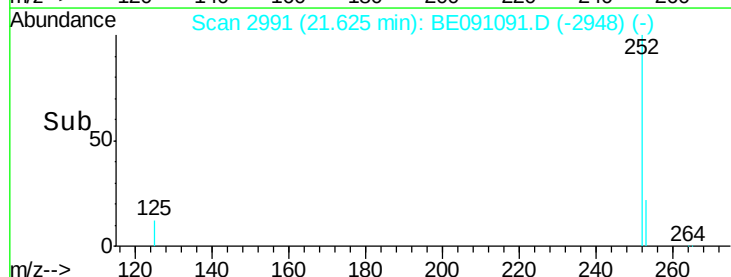
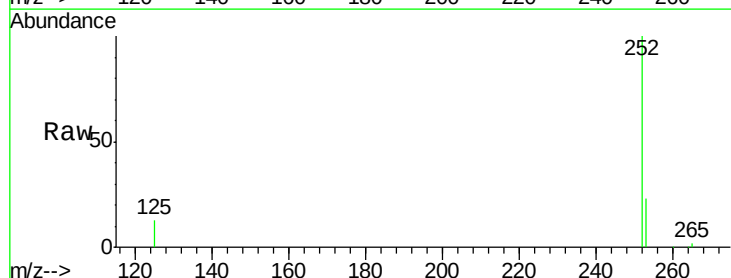
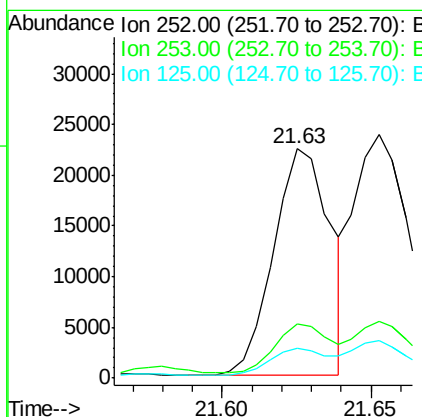
RT: 21.63 min Scan# 2991

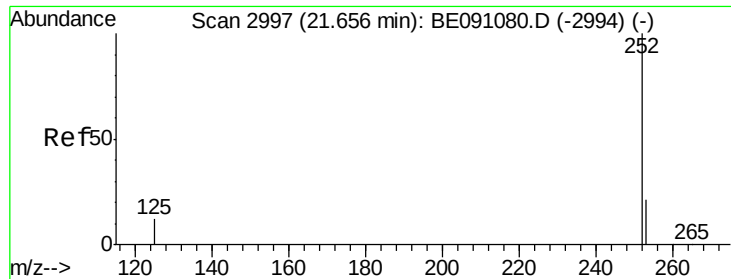
Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

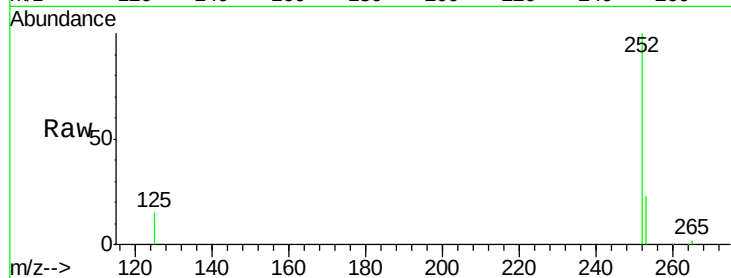
Tgt Ion:	252	Resp:	29537
Ion Ratio	Lower	Upper	
252	100		
253	23.5	0.0	48.0
125	13.3	0.0	36.6





#24
Benzo(k)fluoranthene
Concen: 0.40 ng/ul
RT: 21.65 min Scan# 2997
Delta R.T. -0.00 min
Lab File: BE091091.D
Acq: 6 Nov 2015 15:24

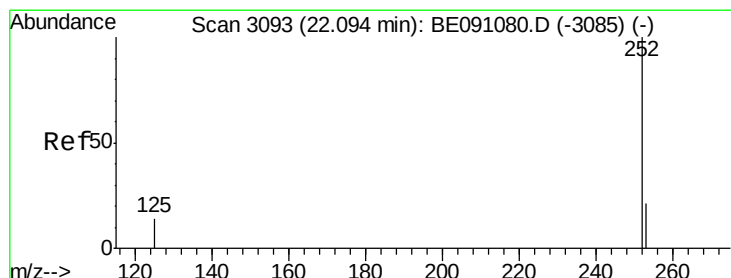
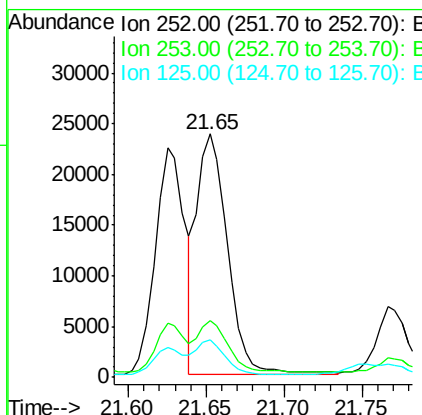
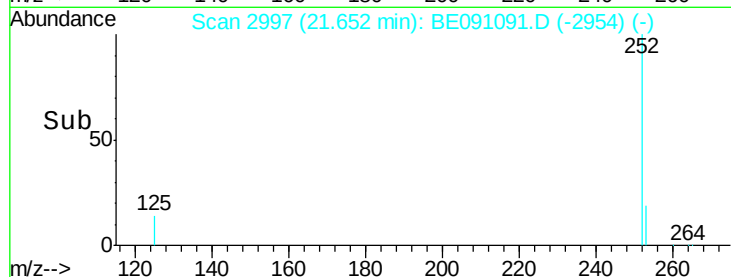
Instrument :
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C0AP7DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.8	31.2
125	15.3	12.2	18.4

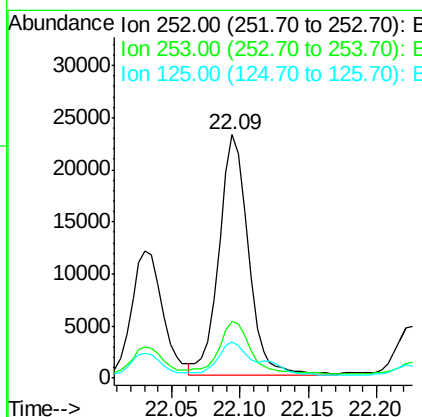
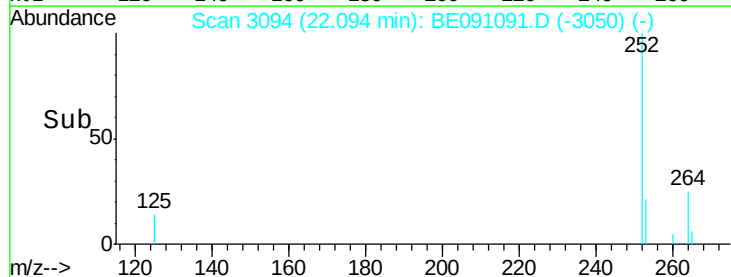
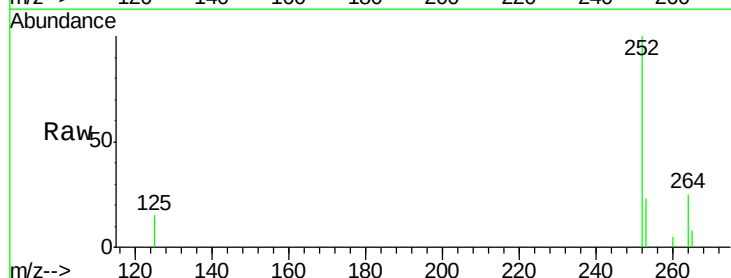
Manual Integrations
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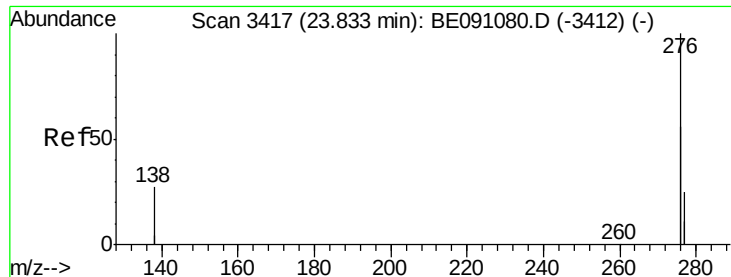
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#25
Benzo(a)pyrene
Concen: 0.47 ng/ul
RT: 22.09 min Scan# 3094
Delta R.T. 0.00 min
Lab File: BE091091.D
Acq: 6 Nov 2015 15:24

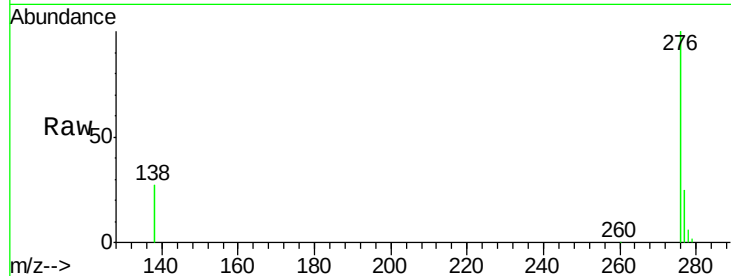
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	21.8	32.8
125	14.8	14.5	21.7





#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.21 ng/ul m
 RT: 23.83 min Scan# 3418
 Delta R.T. -0.00 min
 Lab File: BE091091.D
 Acq: 6 Nov 2015 15:24

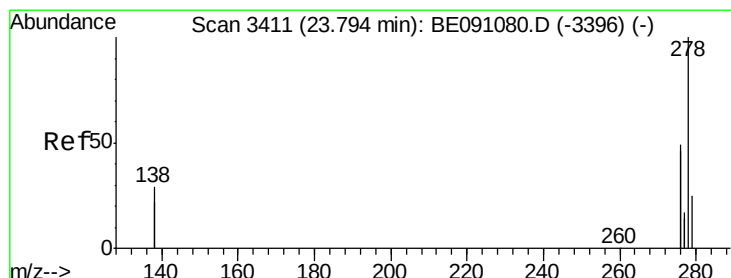
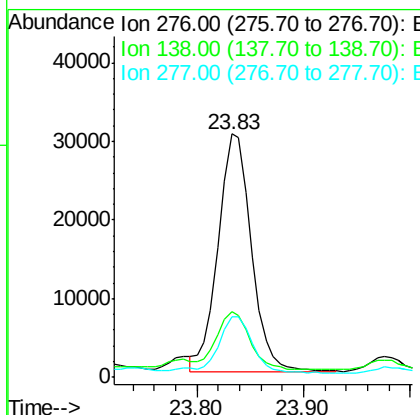
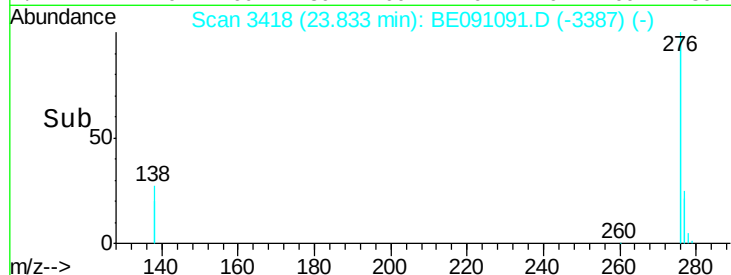
Instrument :
 BNA_E
 ClientSampleId :
 C0AP7DL



Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	27.5	41.3#
277	25.0	19.3	28.9

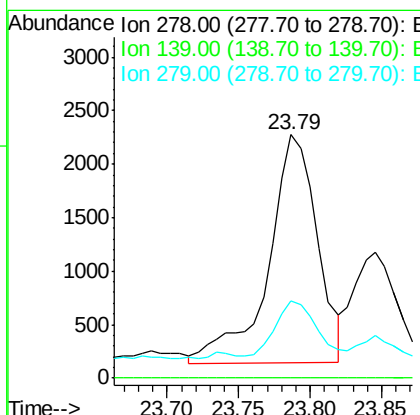
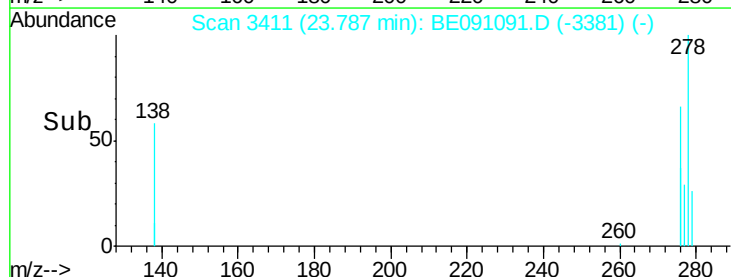
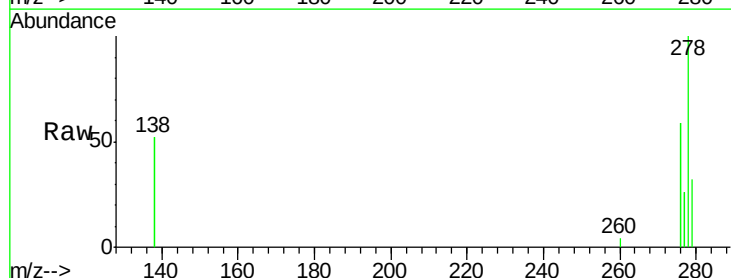
Manual Integrations
 APPROVED

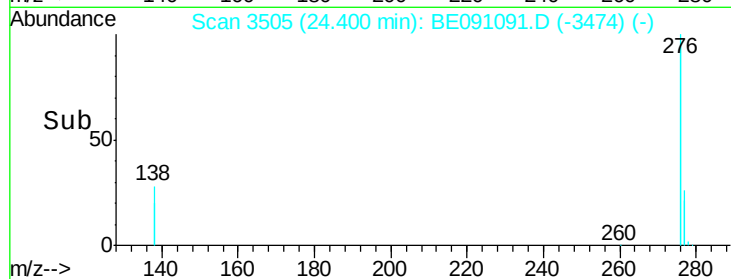
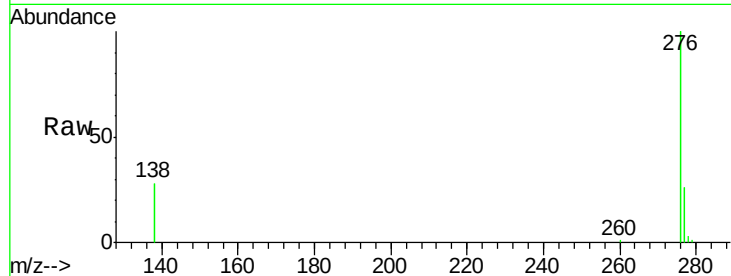
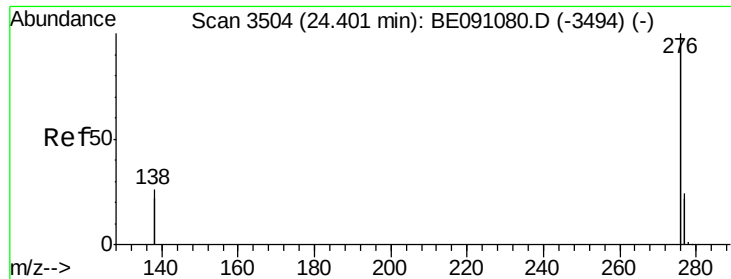
Mmdadoda
 11/9/2015 6:48:27 PM



#27
 Dibenzo(a,h)anthracene
 Concen: 0.07 ng/ul
 RT: 23.79 min Scan# 3411
 Delta R.T. -0.01 min
 Lab File: BE091091.D
 Acq: 6 Nov 2015 15:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	21.7	32.5#
279	31.8	21.9	32.9





#28

Benzo(g,h,i)perylene

Concen: 0.18 ng/ul

RT: 24.40 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BE091091.D

Acq: 6 Nov 2015 15:24

Instrument :

BNA_E

ClientSampleId :

C0AP7DL

Tgt Ion: 276 Resp: 56228

Ion Ratio Lower Upper

276 100

277 26.0 21.3 31.9

138 28.2 25.5 38.3

Manual Integrations
APPROVED

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11/9/2015 6:48:27 PM

