

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111715\
 Data File : BE091214.D
 Acq On : 17 Nov 2015 21:08
 Operator : UM/NP
 Sample : G4273-04DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AN9DL

Manual Integrations
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 11/19/2015 6:41:56 PM

Quant Time: Nov 18 05:01:50 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 : Wed Nov 18 04:23:52 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2852	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	15367	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	9610	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	29229	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	46805	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	41535	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.12	96	1647m	0.80	ng/uL	0.10
6) 2-Methylnaphthalene-d10	11.11	152	443	0.02	ng/ul	0.04
16) Fluoranthene-d10	18.08	212	1632	0.02	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.62	128	1158	0.03	ng/ul#	80
7) 2-Methylnaphthalene	11.17	142	963	0.04	ng/ul	97
9) Acenaphthylene	13.12	152	2144	0.04	ng/ul#	95
10) Acenaphthene	13.43	153	9573	0.29	ng/ul	89
11) Fluorene	14.42	166	12103	0.29	ng/ul	89
14) Phenanthrene	16.12	178	117649	0.35	ng/ul	98
15) Anthracene	16.21	178	97407	0.32	ng/ul	97
17) Fluoranthene	18.10	202	230026	0.58	ng/ul	88
19) Pyrene	18.48	202	186941	0.35	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	16496	0.14	ng/ul	97
21) Chrysene	20.26	228	23095	0.17	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	9339	0.07	ng/ul	97
24) Benzo(k)fluoranthene	21.58	252	10498	0.08	ng/ul	98
25) Benzo(a)pyrene	22.01	252	12215	0.10	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.72	276	19374	0.04	ng/ul#	90
28) Benzo(g,h,i)perylene	24.27	276	19143	0.04	ng/ul	98

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

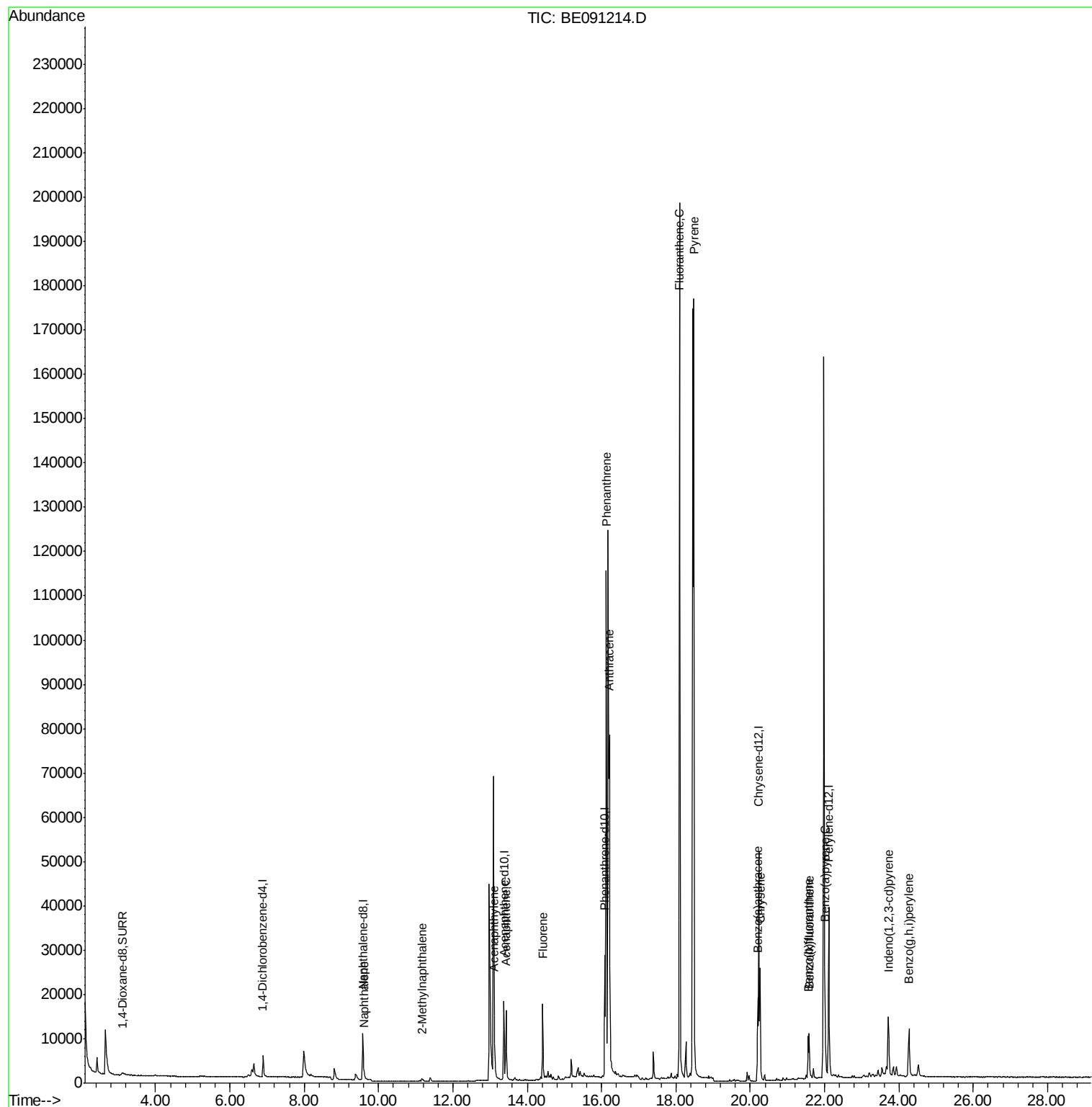
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111715\
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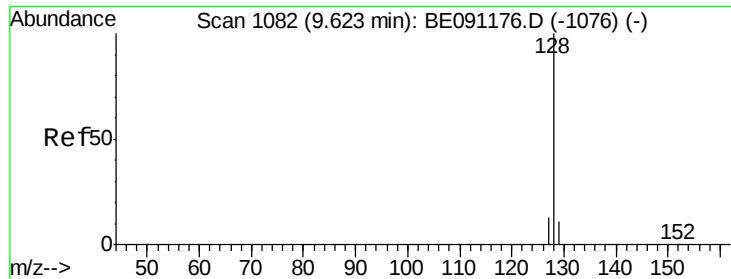
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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QLast Update : Wed Nov 18 04:23:52 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.03 ng/ul

RT: 9.62 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BE091214.D

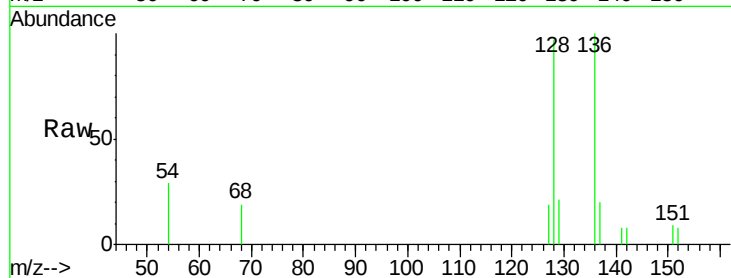
Acq: 17 Nov 2015 21:08

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:128 Resp: 1158

Ion Ratio Lower Upper

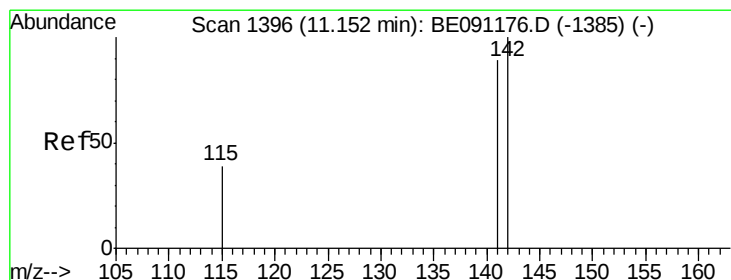
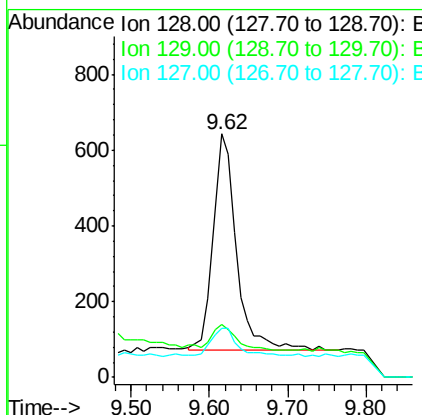
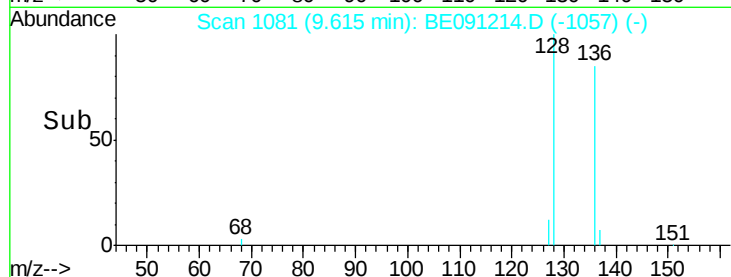
128 100

129 21.8 9.8 14.8#

127 20.1 10.7 16.1#

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#7

2-Methylnaphthalene

Concen: 0.04 ng/ul

RT: 11.17 min Scan# 1399

Delta R.T. 0.03 min

Lab File: BE091214.D

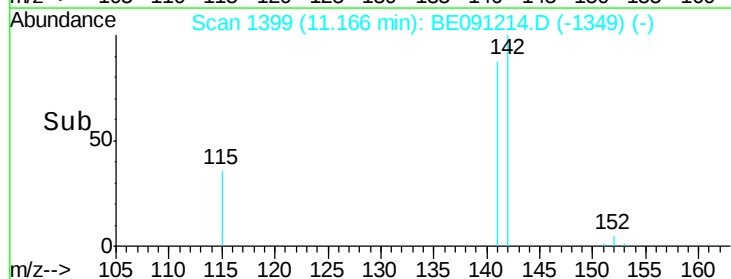
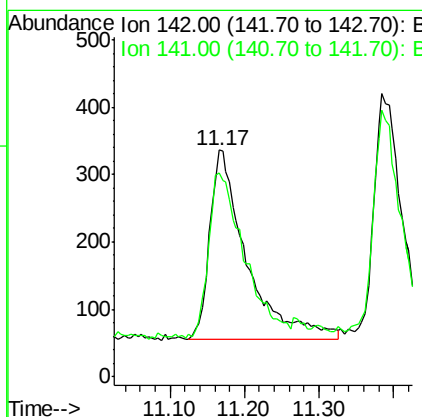
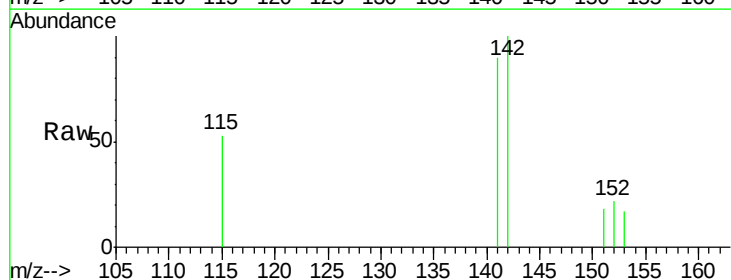
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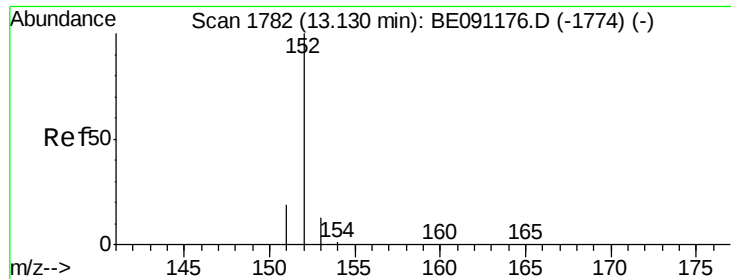
Tgt Ion:142 Resp: 963

Ion Ratio Lower Upper

142 100

141 85.6 70.3 105.5





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE091214.D

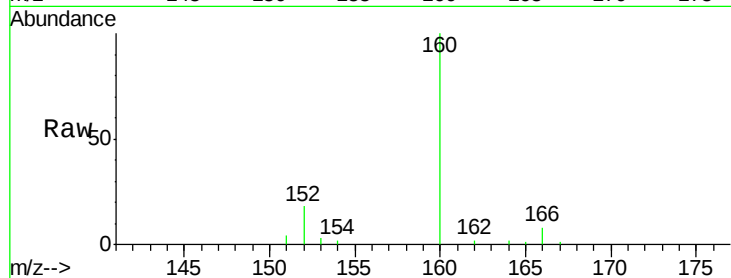
Acq: 17 Nov 2015 21:08

Instrument :

BNA_E

ClientSampleId :

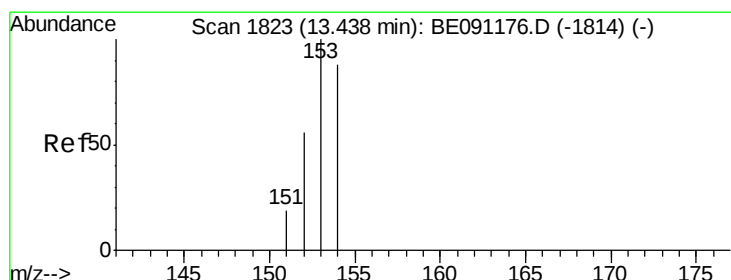
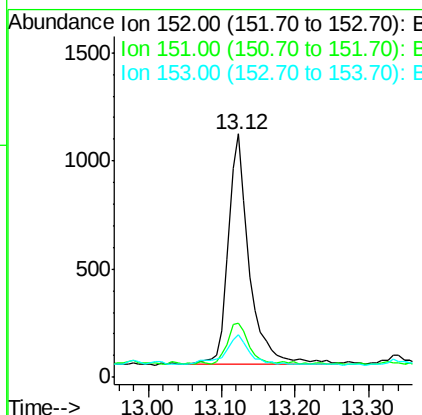
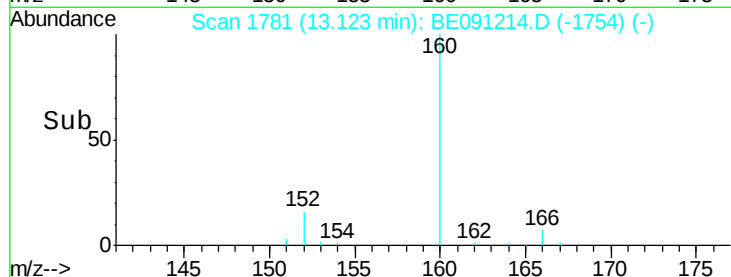
C0AN9DL



Tgt Ion:	152	Resp:	2144
Ion Ratio	Lower	Upper	
152	100		
151	22.3	16.8	25.2
153	17.5	11.3	16.9

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#10

Acenaphthene

Concen: 0.29 ng/ul

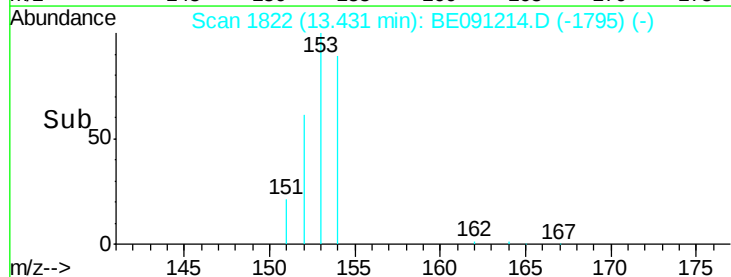
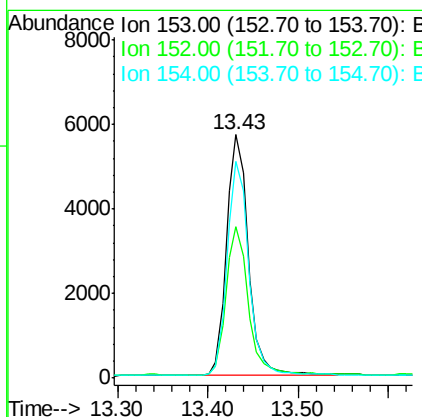
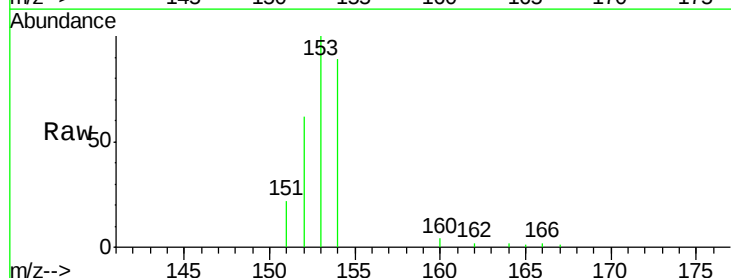
RT: 13.43 min Scan# 1822

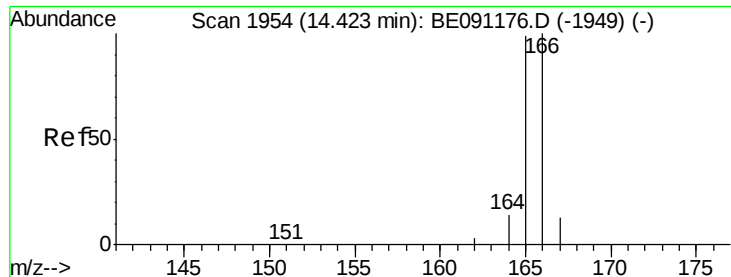
Delta R.T. 0.00 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

Tgt Ion:	153	Resp:	9573
Ion Ratio	Lower	Upper	
153	100		
152	62.1	42.3	63.5
154	89.2	64.7	97.1





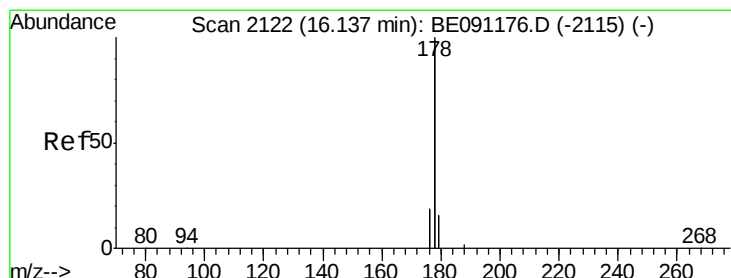
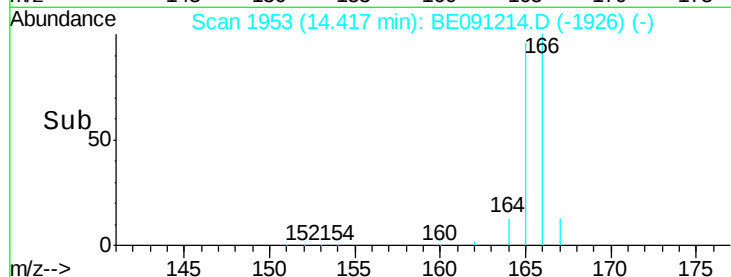
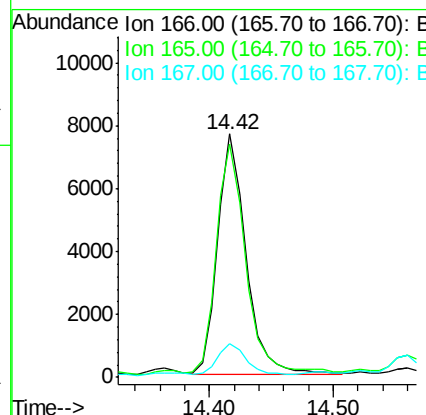
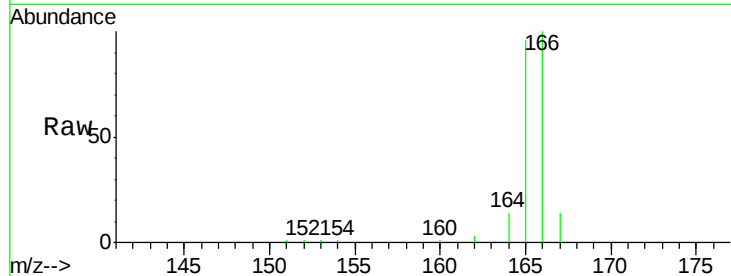
#11
Fluorene
 Concen: 0.29 ng/ul
 RT: 14.42 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: BE091214.D
 Acq: 17 Nov 2015 21:08

Instrument :
 BNA_E
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.1	87.6	131.4
167	13.9	11.1	16.7

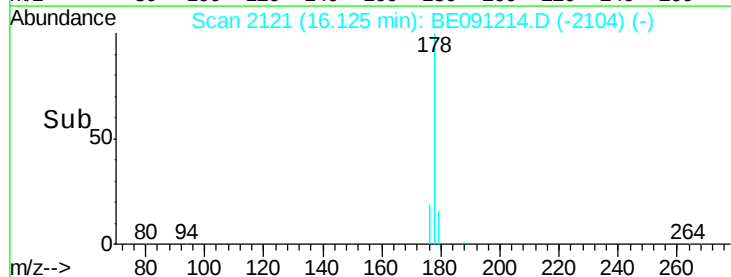
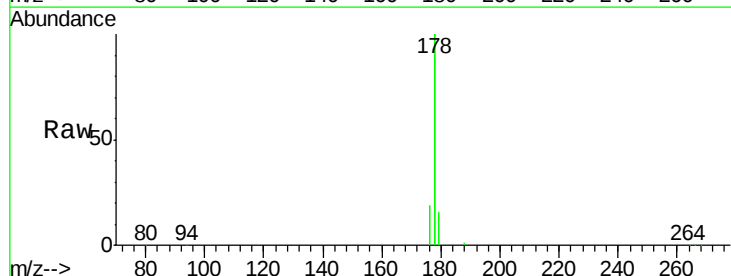
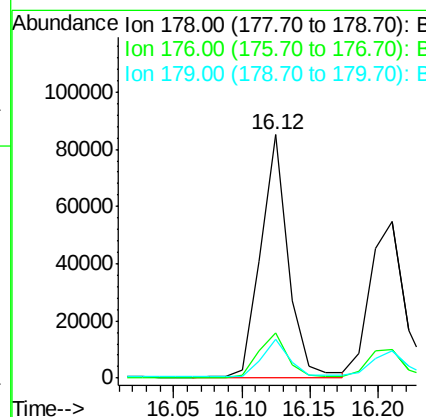
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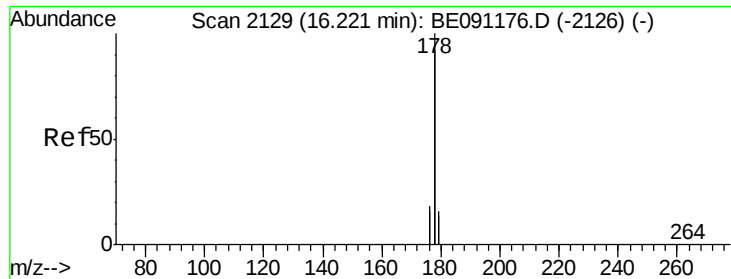
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#14
Phenanthrene
 Concen: 0.35 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091214.D
 Acq: 17 Nov 2015 21:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	16.0	12.8	19.2





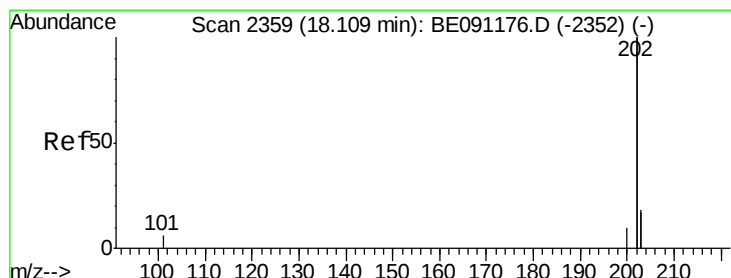
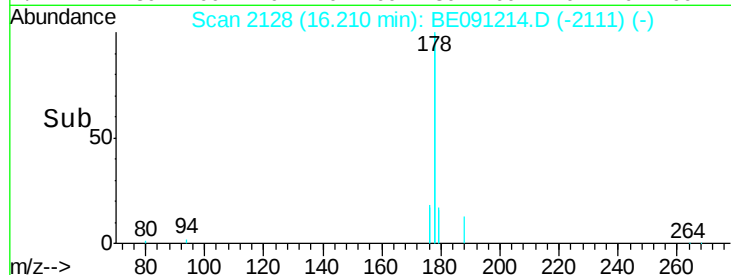
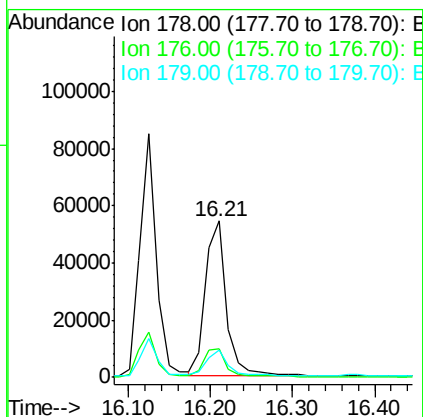
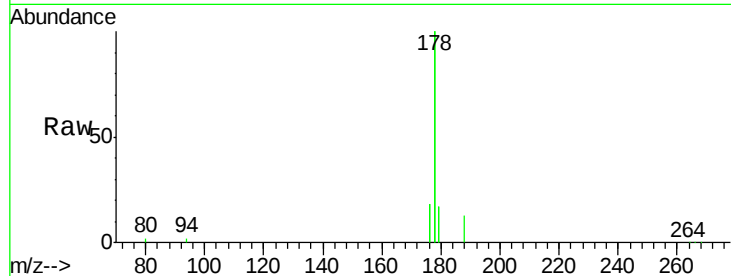
#15
 Anthracene
 Concen: 0.32 ng/ul
 RT: 16.21 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: BE091214.D
 Acq: 17 Nov 2015 21:08

Instrument :
 BNA_E
 ClientSampleId :
 C0AN9DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	17.3	13.3	19.9

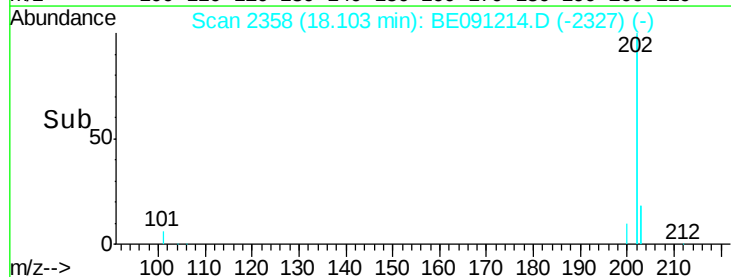
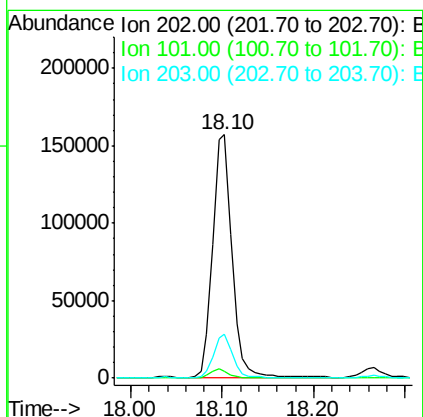
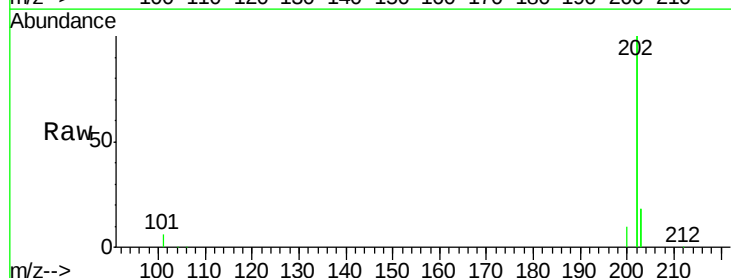
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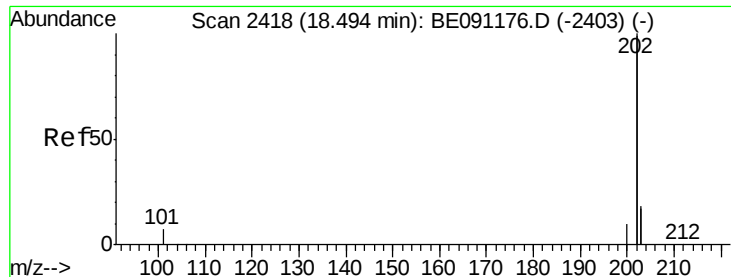
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#17
 Fluoranthene
 Concen: 0.58 ng/ul
 RT: 18.10 min Scan# 2358
 Delta R.T. 0.00 min
 Lab File: BE091214.D
 Acq: 17 Nov 2015 21:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	2.9	0.0	33.1
203	18.3	0.0	37.2





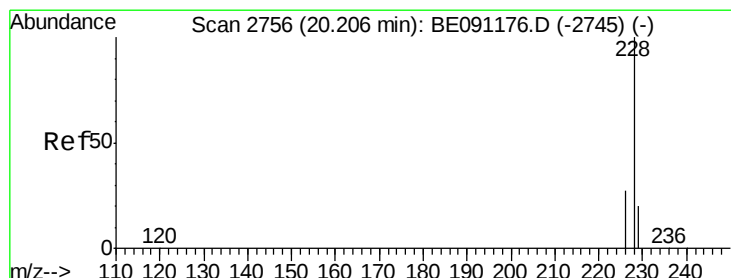
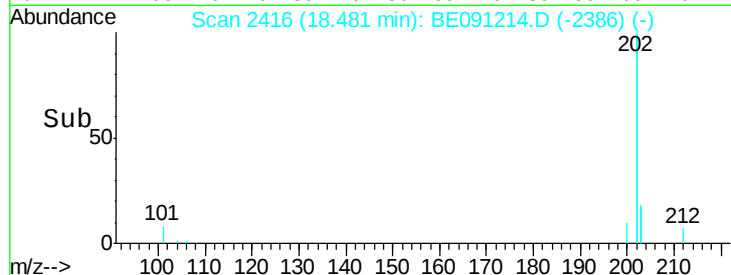
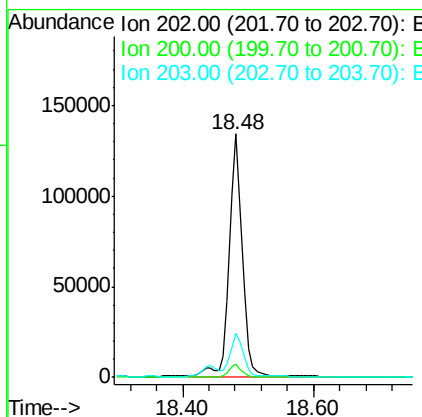
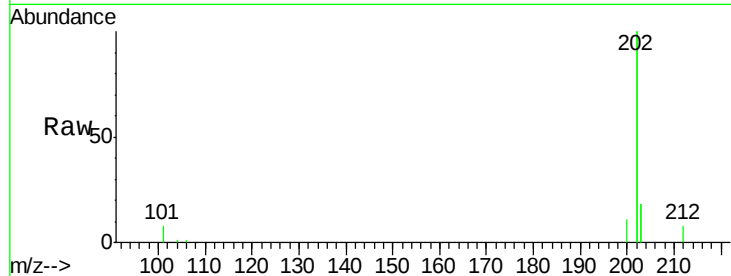
#19
Pyrene
Concen: 0.35 ng/ul
RT: 18.48 min Scan# 2416
Delta R.T. -0.01 min
Lab File: BE091214.D
Acq: 17 Nov 2015 21:08

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	5.3	18.0	27.0#
203	17.9	13.8	20.6

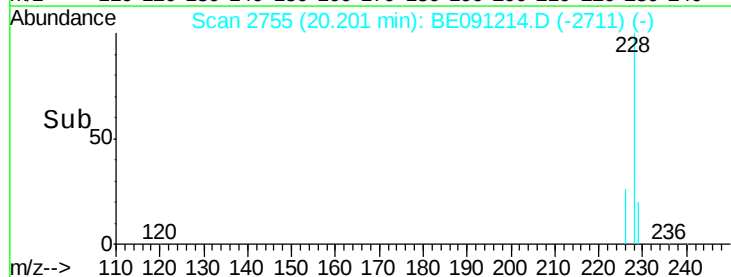
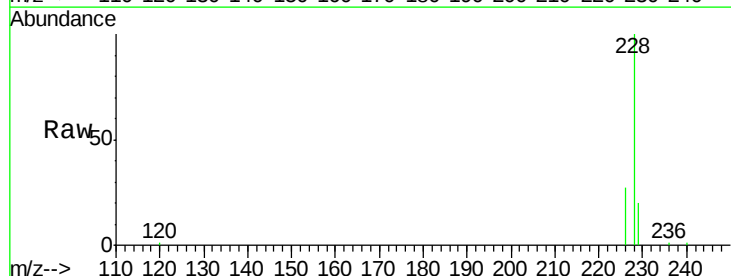
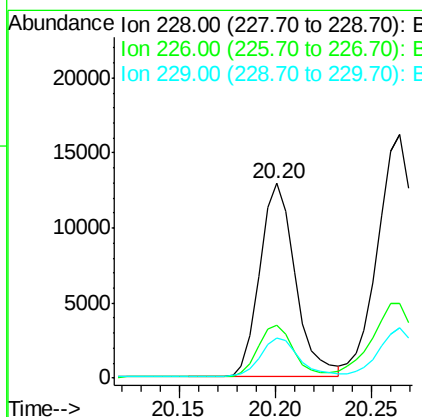
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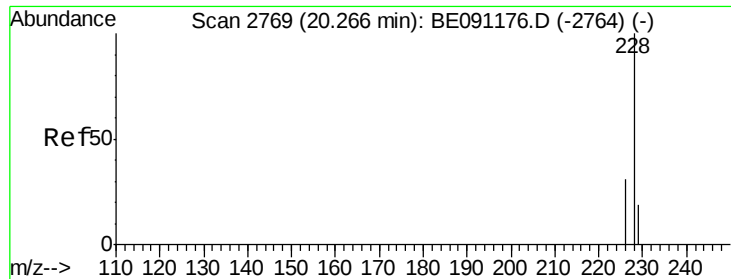
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#20
Benzo(a)anthracene
Concen: 0.14 ng/ul
RT: 20.20 min Scan# 2755
Delta R.T. -0.00 min
Lab File: BE091214.D
Acq: 17 Nov 2015 21:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.0	23.0	34.4
229	20.5	15.2	22.8





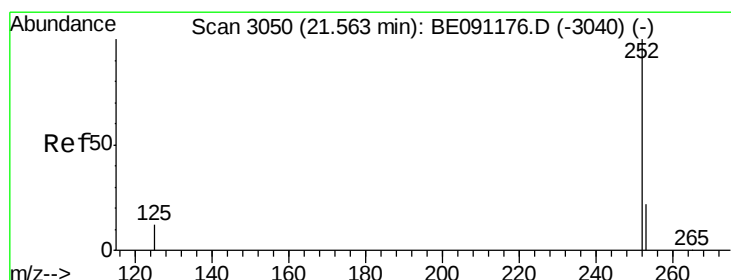
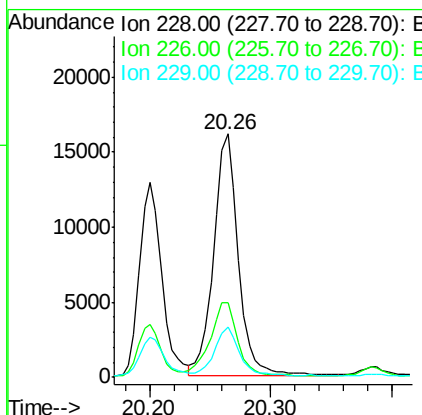
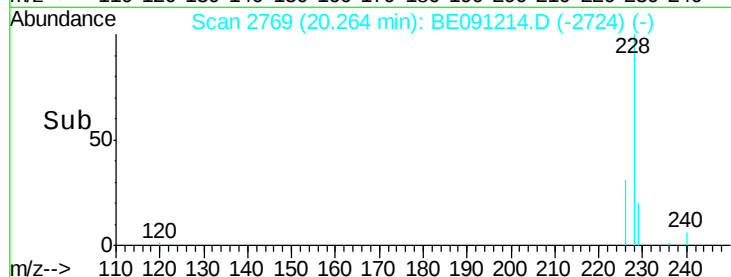
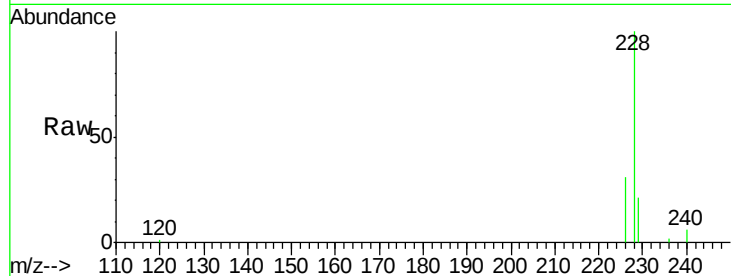
#21
Chrysene
Concen: 0.17 ng/ul
RT: 20.26 min Scan# 2769
Delta R.T. 0.00 min
Lab File: BE091214.D
Acq: 17 Nov 2015 21:08

Instrument :
BNA_E
ClientSampleId :
C0AN9DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.7	38.5
229	20.5	15.2	22.8

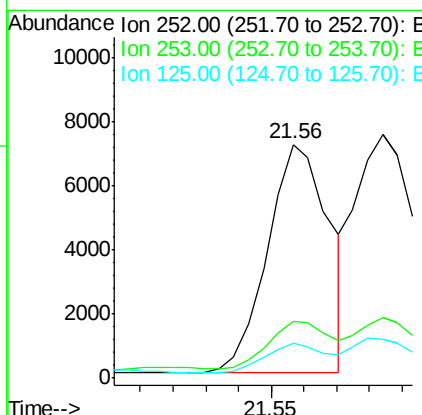
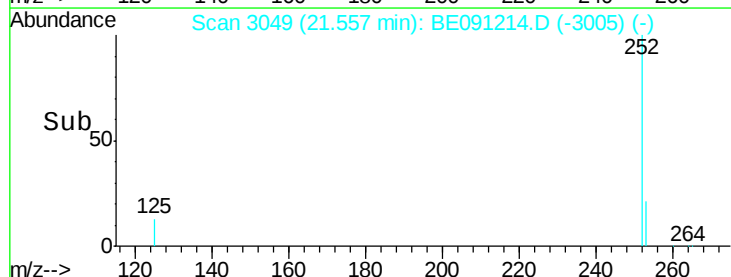
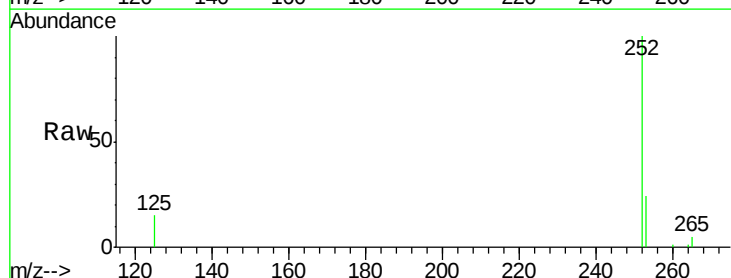
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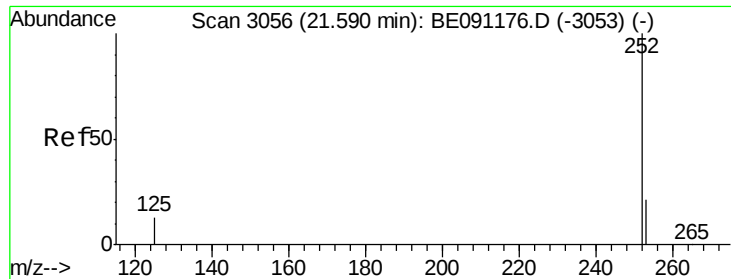
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#23
Benzo(b)fluoranthene
Concen: 0.07 ng/ul
RT: 21.56 min Scan# 3049
Delta R.T. -0.00 min
Lab File: BE091214.D
Acq: 17 Nov 2015 21:08

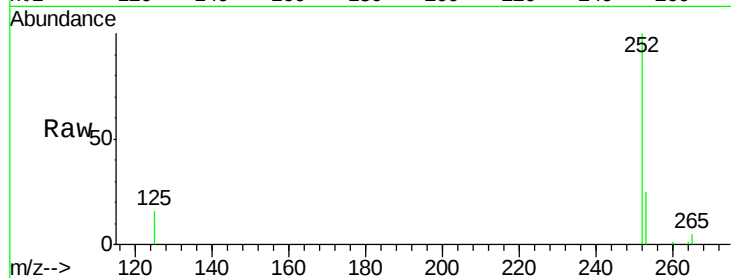
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	0.0	48.0
125	14.9	0.0	36.6





#24
Benzo(k)fluoranthene
Concen: 0.08 ng/ul
RT: 21.58 min Scan# 3055
Delta R.T. -0.00 min
Lab File: BE091214.D
Acq: 17 Nov 2015 21:08

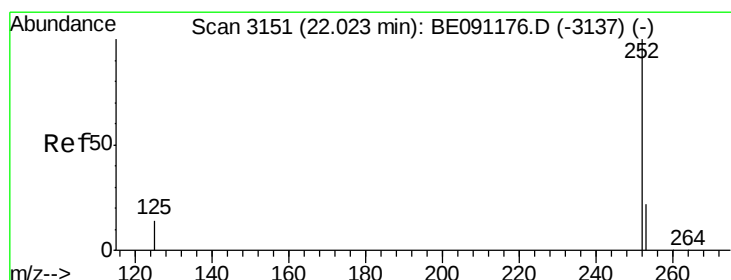
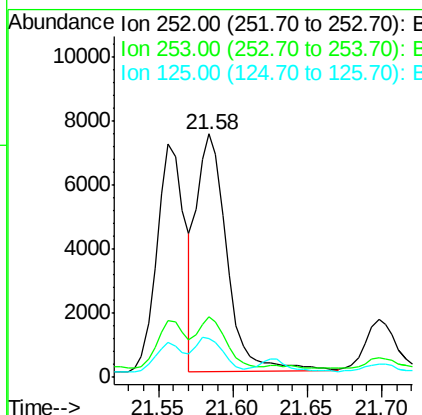
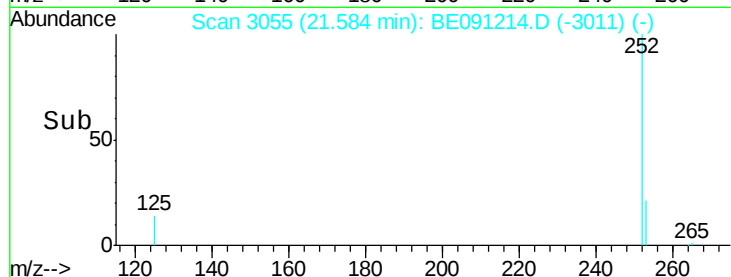
Instrument :
BNA_E
ClientSampleId :
C0AN9DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	20.8	31.2
125	16.2	12.2	18.4

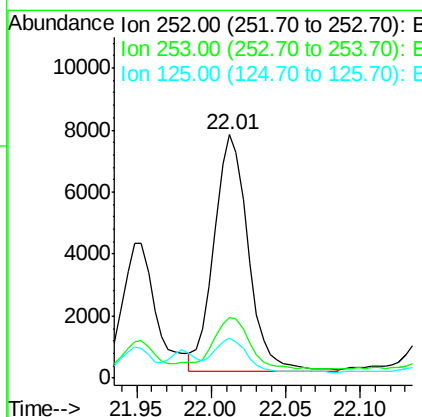
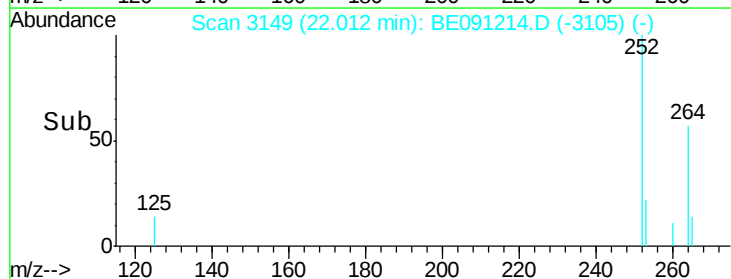
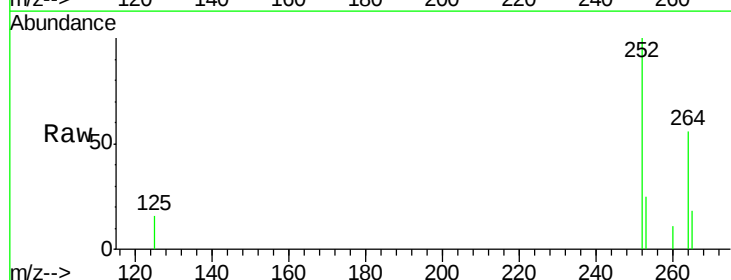
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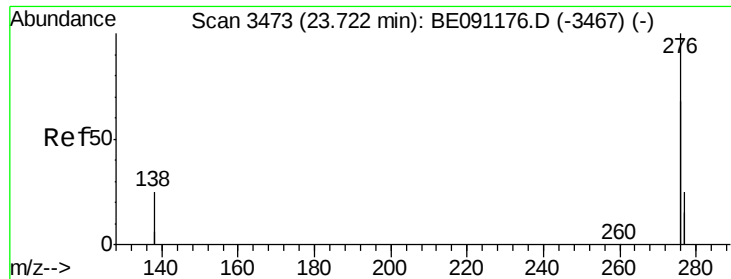
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#25
Benzo(a)pyrene
Concen: 0.10 ng/ul
RT: 22.01 min Scan# 3149
Delta R.T. -0.00 min
Lab File: BE091214.D
Acq: 17 Nov 2015 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	21.8	32.8
125	16.3	14.5	21.7





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng/ul

RT: 23.72 min Scan# 3473

Delta R.T. 0.01 min

Lab File: BE091214.D

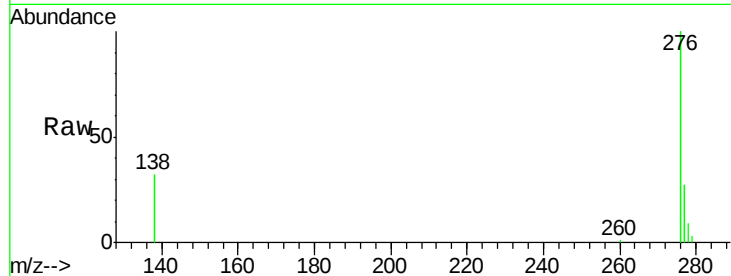
Acq: 17 Nov 2015 21:08

Instrument :

BNA_E

ClientSampleId :

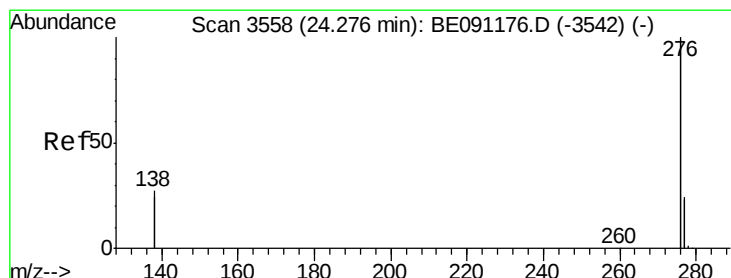
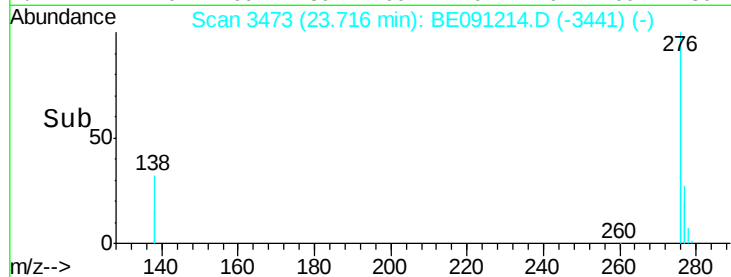
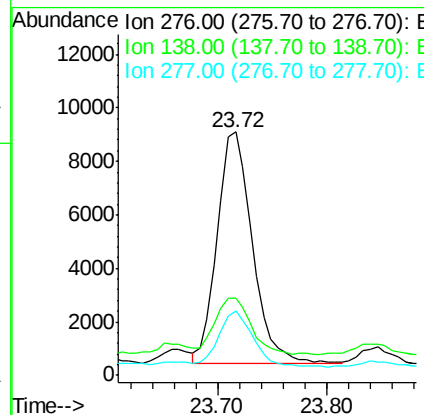
C0AN9DL



Tgt Ion:	276	Resp:	19374
Ion Ratio	Lower	Upper	
276	100		
138	24.9	27.5	41.3#
277	23.7	19.3	28.9

Manual Integrations
APPROVED

Mmdadoda
11/19/2015 6:41:56 PM



#28

Benzo(g,h,i)perylene

Concen: 0.04 ng/ul

RT: 24.27 min Scan# 3558

Delta R.T. 0.01 min

Lab File: BE091214.D

Acq: 17 Nov 2015 21:08

Tgt Ion:	276	Resp:	19143
Ion Ratio	Lower	Upper	
276	100		
277	27.5	21.3	31.9
138	33.1	25.5	38.3

