

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111515\
 Data File : BE091169.D
 Acq On : 15 Nov 2015 12:50
 Operator : UM/NP
 Sample : G4322-09DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HS0DL

Manual Integrations
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 11/16/2015 3:27:11 PM

Quant Time: Nov 16 06:37:48 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 16 04:54:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	3537	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.59	136	17687	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.39	164	11050	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.10	188	30902	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	56355	0.40	ng/ul	0.00
22) Perylene-d12	22.12	264	50596	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	2252m	0.89	ng/uL	0.11
6) 2-Methylnaphthalene-d10	11.13	152	490	0.02	ng/ul	0.04
16) Fluoranthene-d10	18.08	212	1552	0.02	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.63	128	2548	0.06	ng/ul#	88
7) 2-Methylnaphthalene	11.19	142	1004	0.04	ng/ul	98
9) Acenaphthylene	13.14	152	1817	0.03	ng/ul#	84
10) Acenaphthene	13.45	153	3492	0.09	ng/ul	90
11) Fluorene	14.42	166	5186	0.11	ng/ul#	92
14) Phenanthrene	16.12	178	338435	0.95	ng/ul	97
15) Anthracene	16.21	178	88382	0.27	ng/ul	99
17) Fluoranthene	18.11	202	452377	1.08	ng/ul	87
19) Pyrene	18.49	202	418805	0.65	ng/ul#	79
20) Benzo(a)anthracene	20.21	228	51866	0.36	ng/ul	96
21) Chrysene	20.27	228	51156	0.31	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	34971	0.22	ng/ul	95
24) Benzo(k)fluoranthene	21.59	252	37686	0.23	ng/ul	98
25) Benzo(a)pyrene	22.02	252	41694	0.29	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.72	276	87877	0.14	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.67	278	7913	0.05	ng/ul#	70
28) Benzo(g,h,i)perylene	24.28	276	76994	0.12	ng/ul	98

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

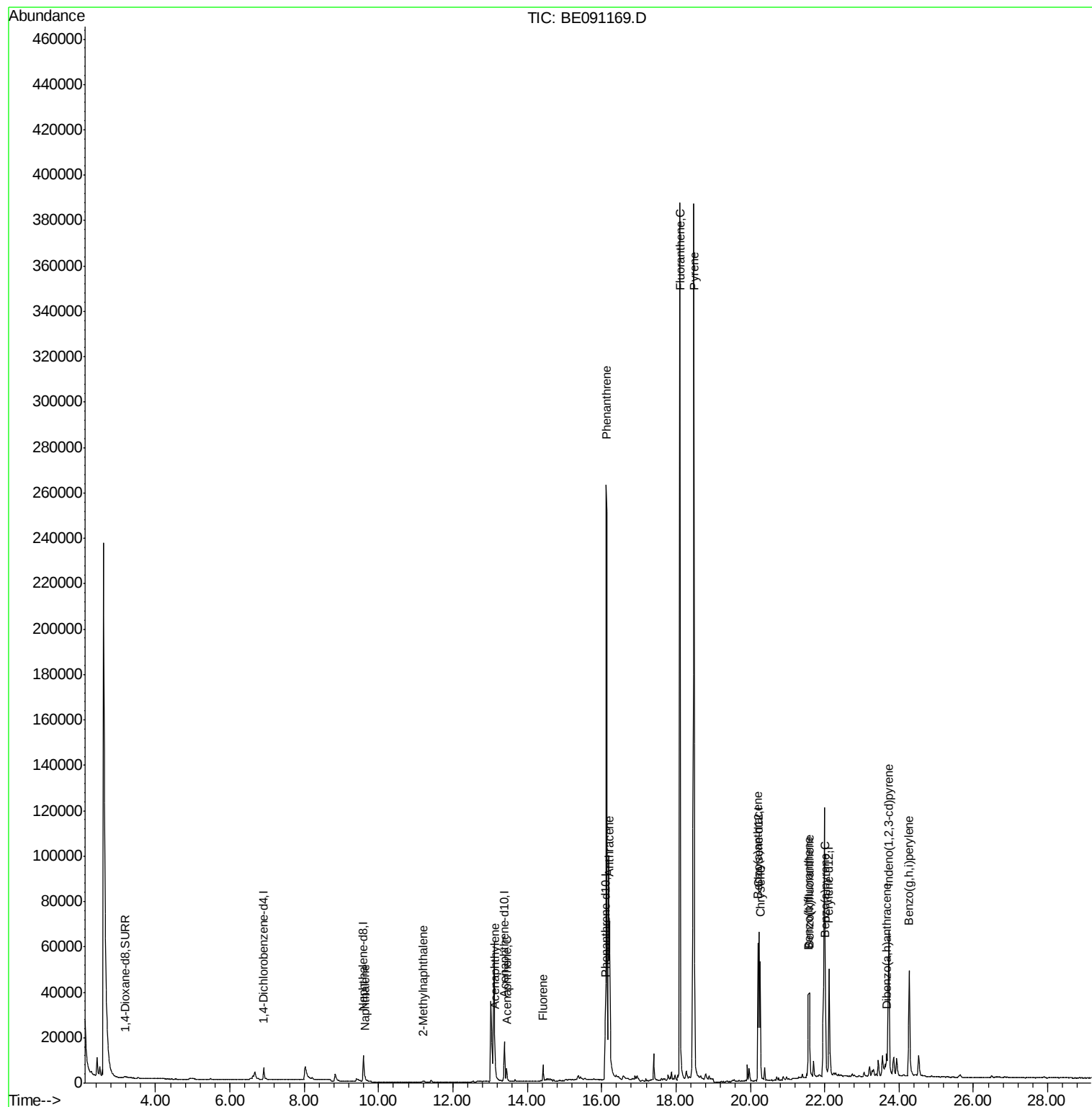
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111515\
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ALS Vial : 5 Sample Multiplier: 1

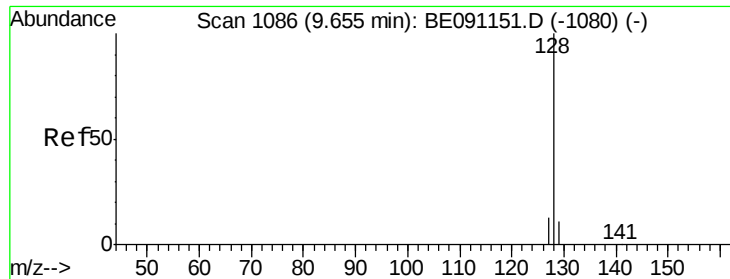
Instrument :
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A4HS0DL

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QLast Update : Mon Nov 16 04:54:02 2015
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#5

Naphthalene

Concen: 0.06 ng/ul

RT: 9.63 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

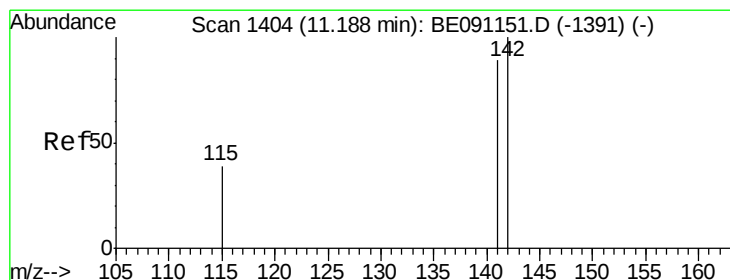
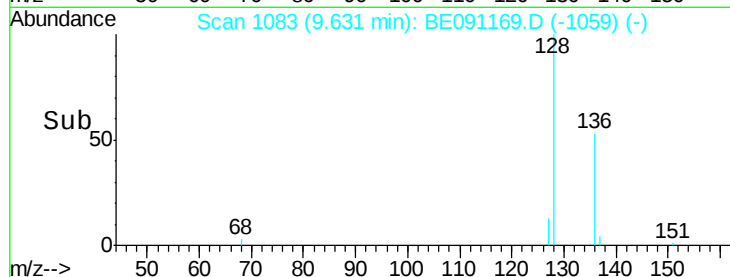
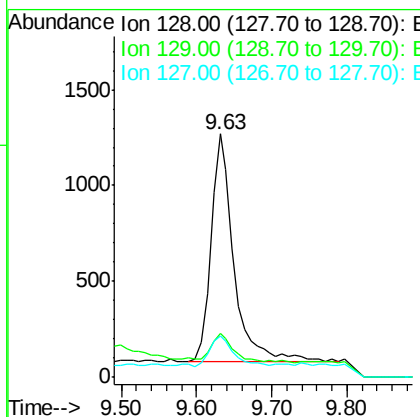
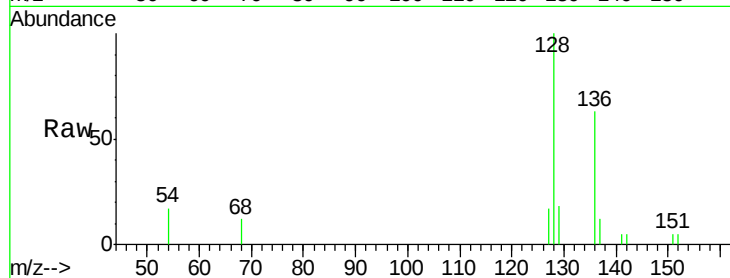
A4HS0DL

Tgt Ion:128 Resp: 2548

Ion	Ratio	Lower	Upper
128	100		
129	18.1	9.8	14.8#
127	17.1	10.7	16.1#

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#7

2-Methylnaphthalene

Concen: 0.04 ng/ul

RT: 11.19 min Scan# 1404

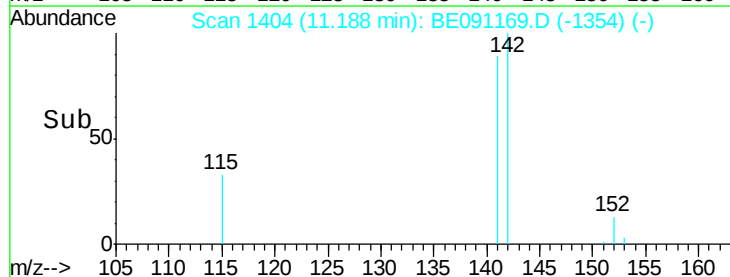
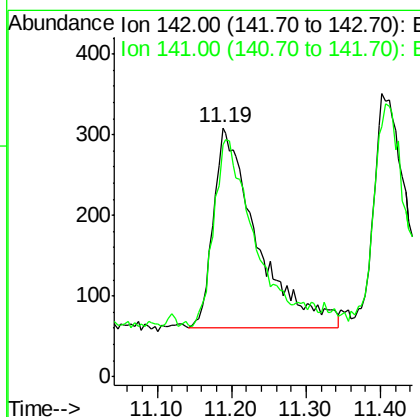
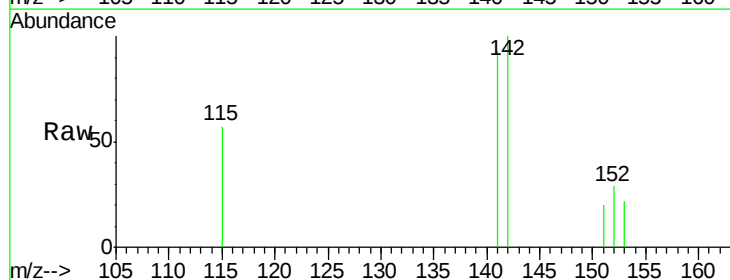
Delta R.T. 0.03 min

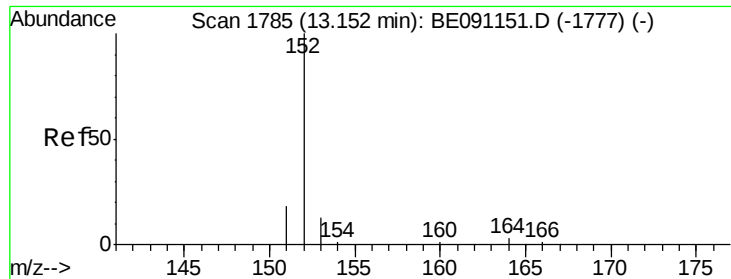
Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Tgt Ion:142 Resp: 1004

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.3	105.5





#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 13.14 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

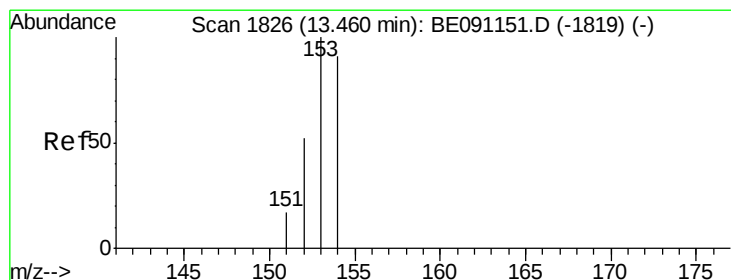
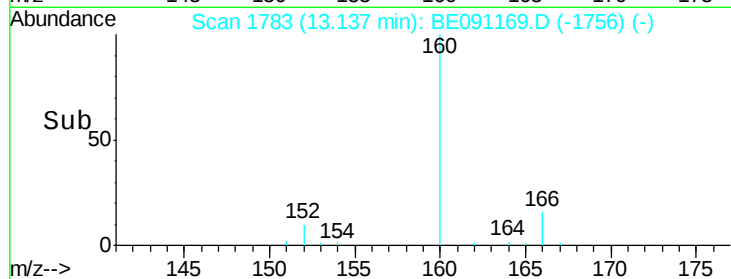
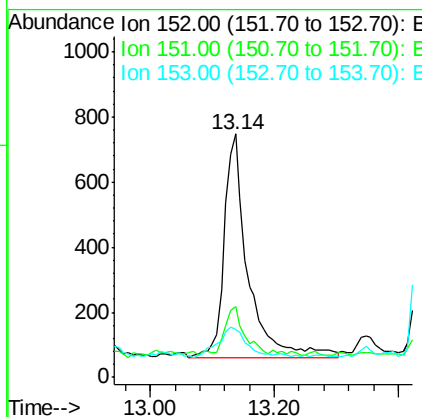
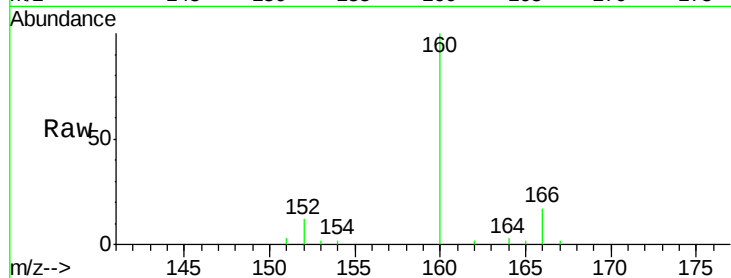
ClientSampleId :

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Tgt Ion:	152	Resp:	1817
Ion Ratio	Lower	Upper	
152	100		
151	28.9	16.8	25.2#
153	19.7	11.3	16.9#

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#10

Acenaphthene

Concen: 0.09 ng/ul

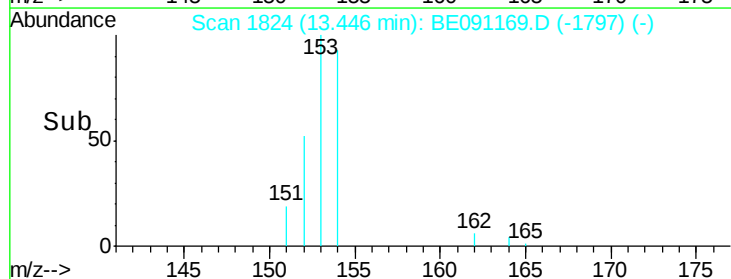
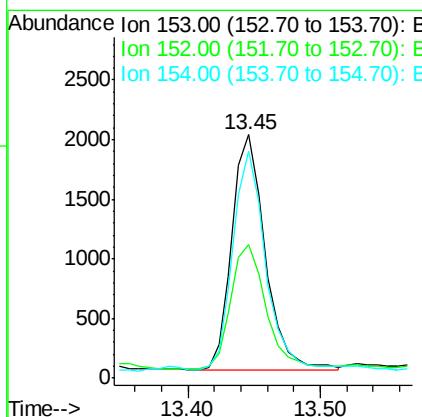
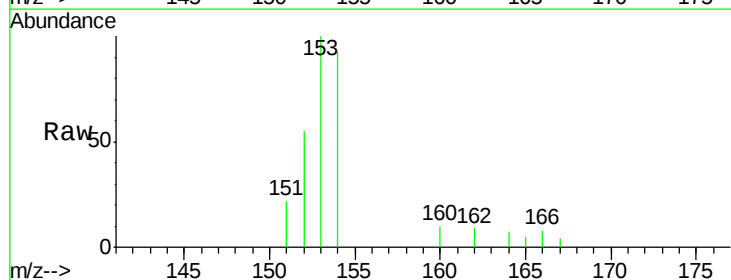
RT: 13.45 min Scan# 1824

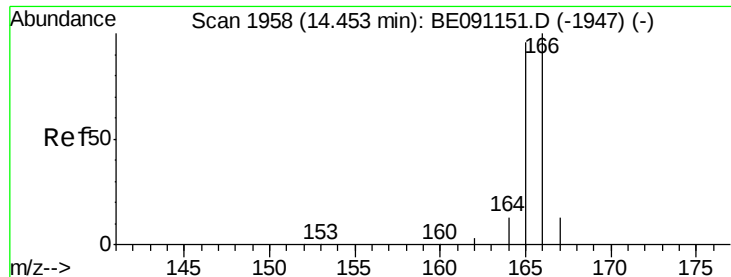
Delta R.T. 0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Tgt Ion:	153	Resp:	3492
Ion Ratio	Lower	Upper	
153	100		
152	54.9	42.3	63.5
154	93.4	64.7	97.1





#11

Fluorene

Concen: 0.11 ng/ul

RT: 14.42 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

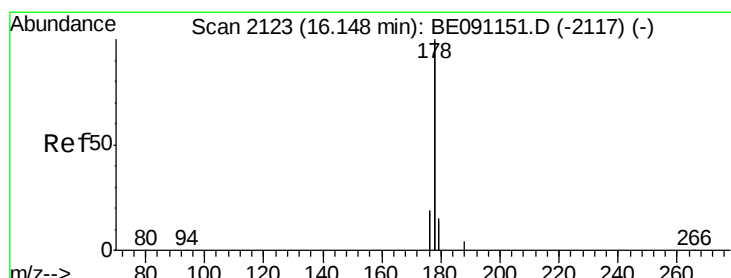
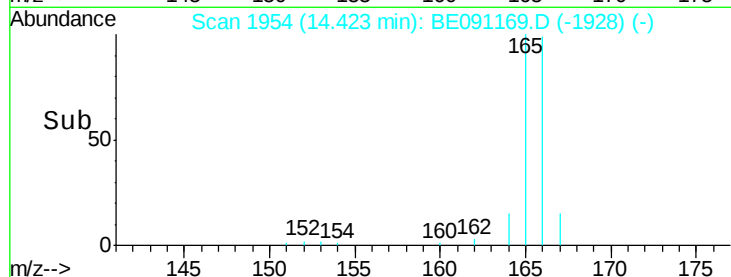
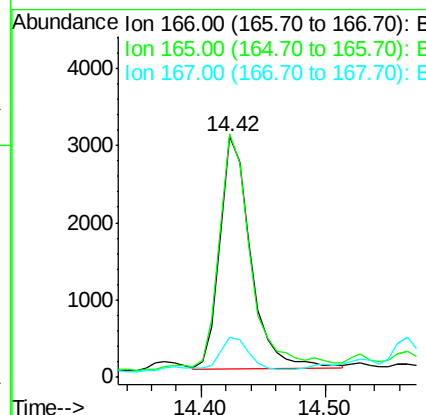
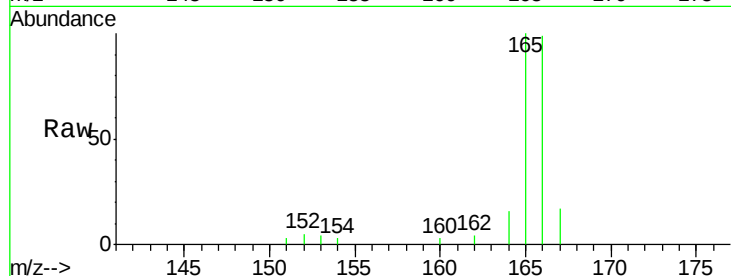
ClientSampleId :

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Tgt Ion:	166	Resp:	5186
Ion Ratio	Lower	Upper	
166	100		
165	101.1	87.6	131.4
167	16.8	11.1	16.7#

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#14

Phenanthrene

Concen: 0.95 ng/ul

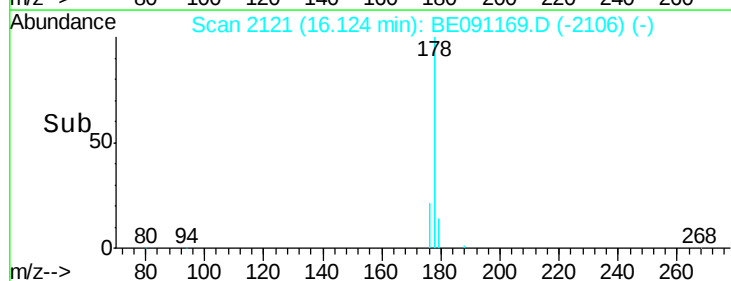
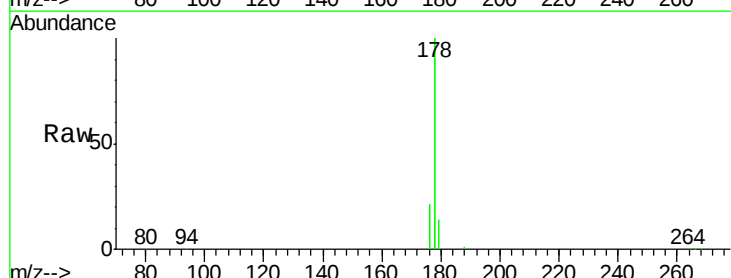
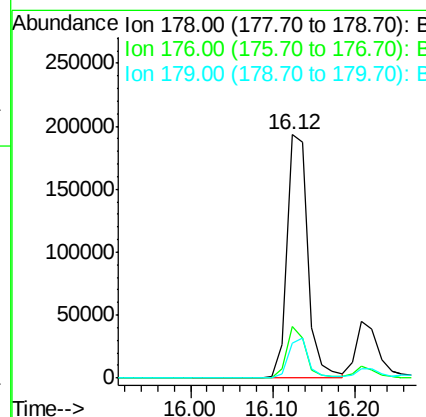
RT: 16.12 min Scan# 2121

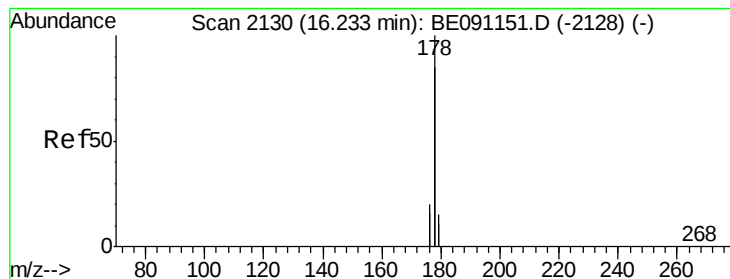
Delta R.T. -0.01 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Tgt Ion:	178	Resp:	338435
Ion Ratio	Lower	Upper	
178	100		
176	21.4	16.2	24.4
179	14.2	12.8	19.2





#15

Anthracene

Concen: 0.27 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

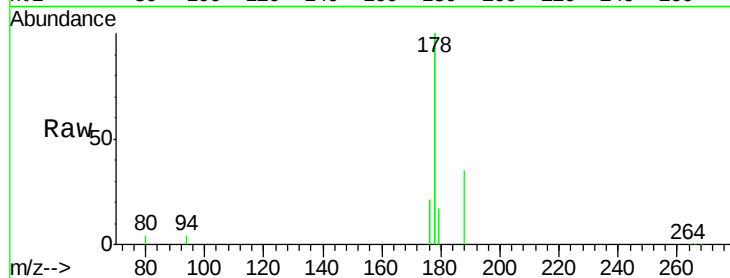
BNA_E

ClientSampleId :

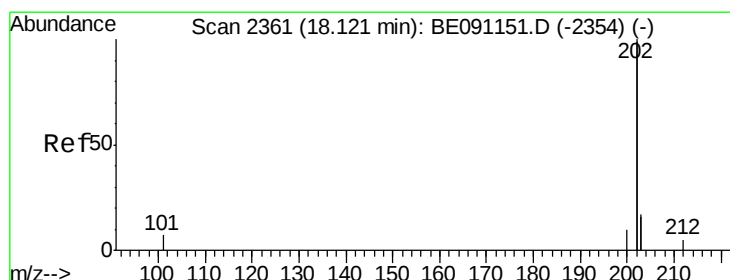
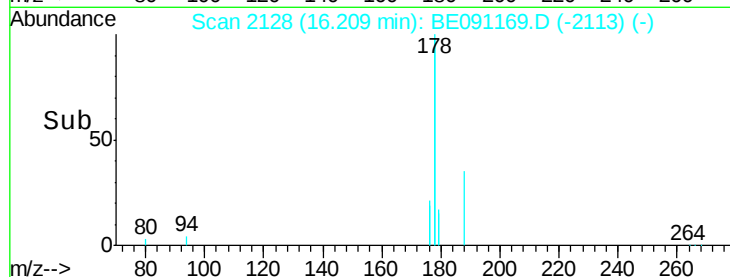
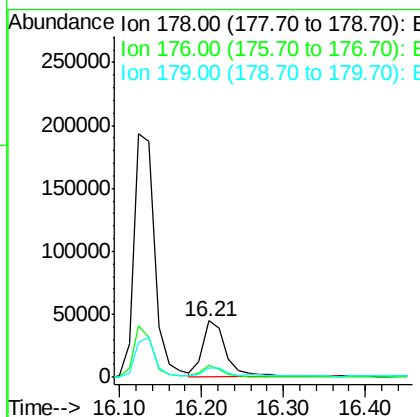
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Tgt Ion:	178	Resp:	88382
Ion Ratio	Lower	Upper	
178	100		
176	20.6	15.8	23.8
179	16.6	13.3	19.9



#17

Fluoranthene

Concen: 1.08 ng/ul

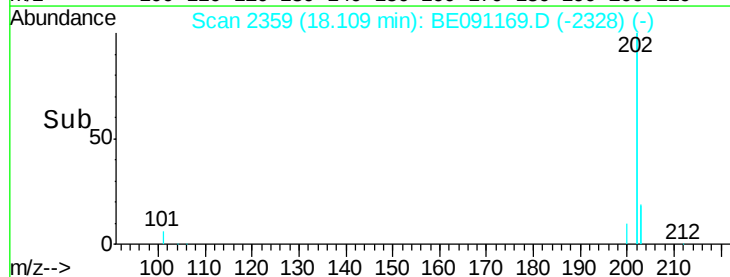
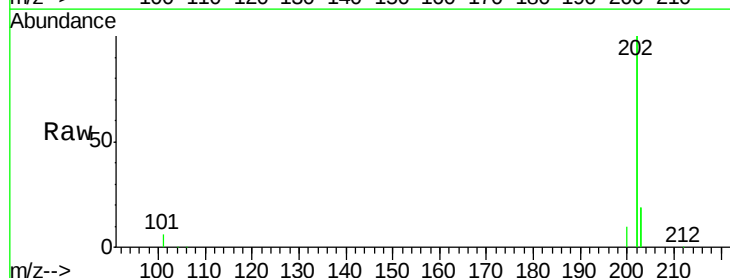
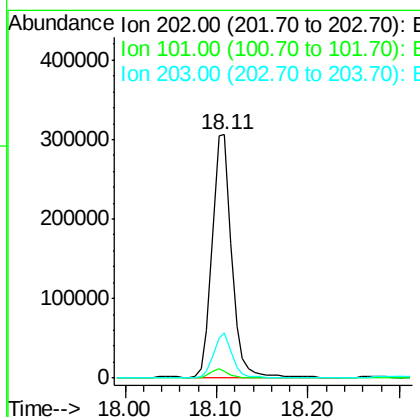
RT: 18.11 min Scan# 2359

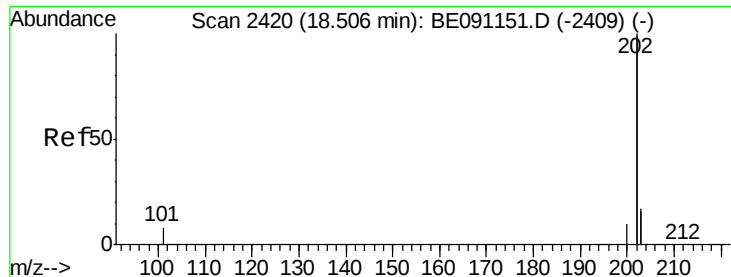
Delta R.T. 0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Tgt Ion:	202	Resp:	452377
Ion Ratio	Lower	Upper	
202	100		
101	2.9	0.0	33.1
203	18.8	0.0	37.2





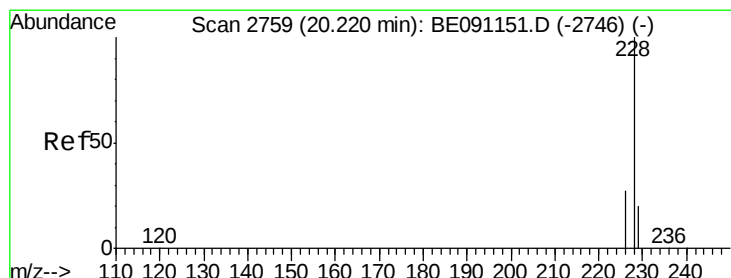
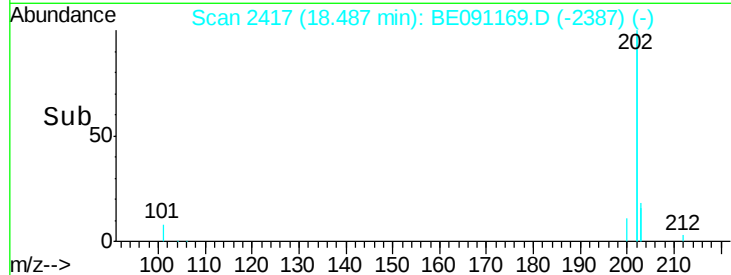
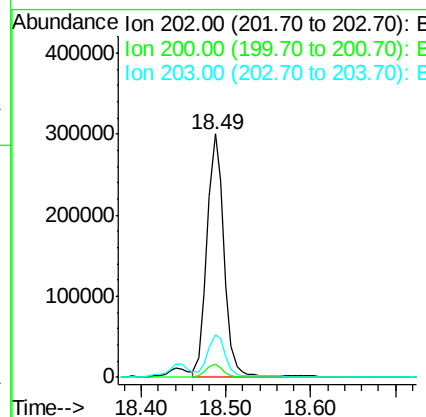
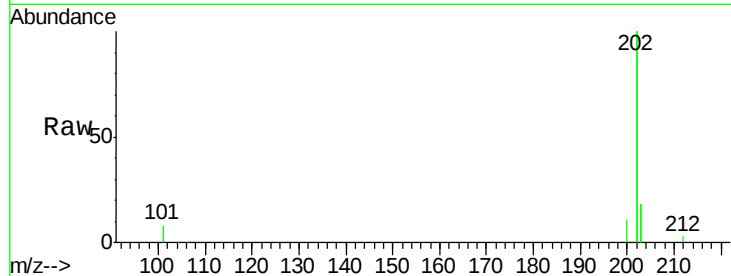
#19
Pyrene
Concen: 0.65 ng/ul
RT: 18.49 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BE091169.D
Acq: 15 Nov 2015 12:50

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	5.4	18.0	27.0#
203	17.7	13.8	20.6

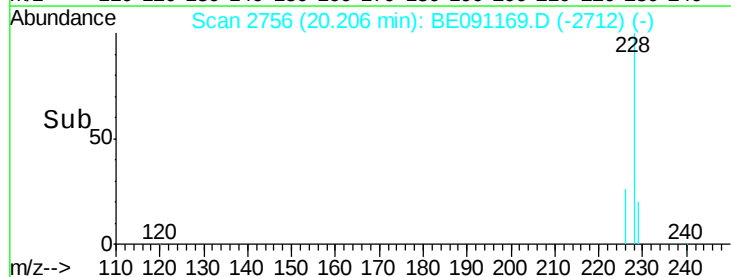
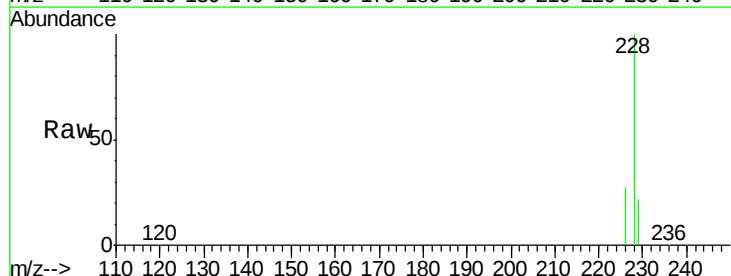
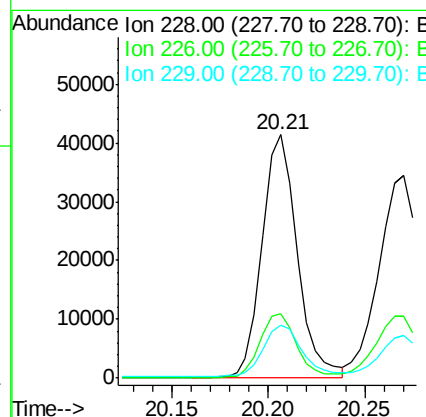
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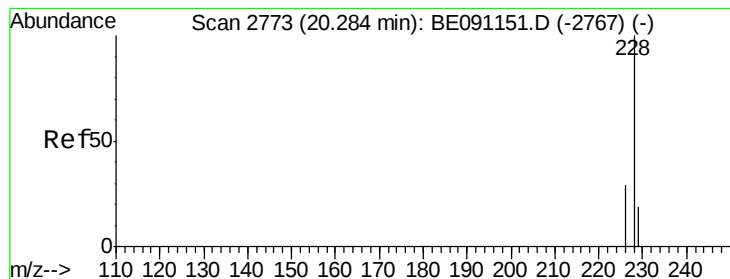
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#20
Benzo(a)anthracene
Concen: 0.36 ng/ul
RT: 20.21 min Scan# 2756
Delta R.T. 0.00 min
Lab File: BE091169.D
Acq: 15 Nov 2015 12:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.7	23.0	34.4
229	21.5	15.2	22.8





#21

Chrysene

Concen: 0.31 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

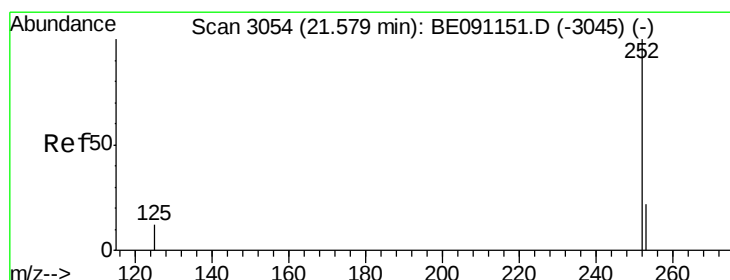
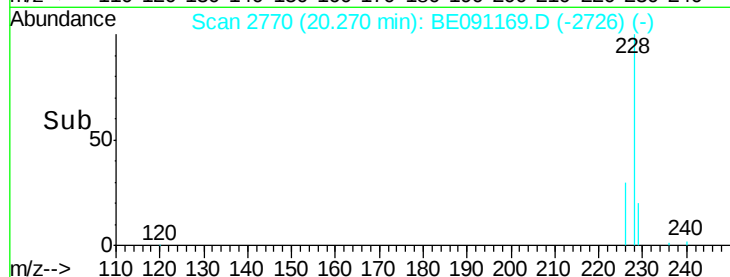
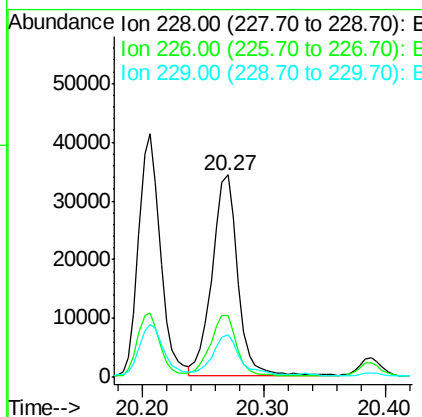
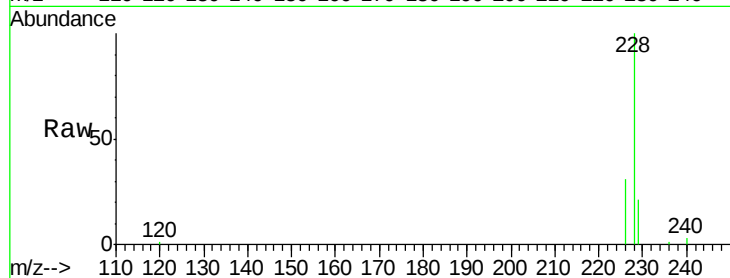
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Tgt Ion:	228	Resp:	51156
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.7	38.5
229	20.9	15.2	22.8



#23

Benzo(b)fluoranthene

Concen: 0.22 ng/ul

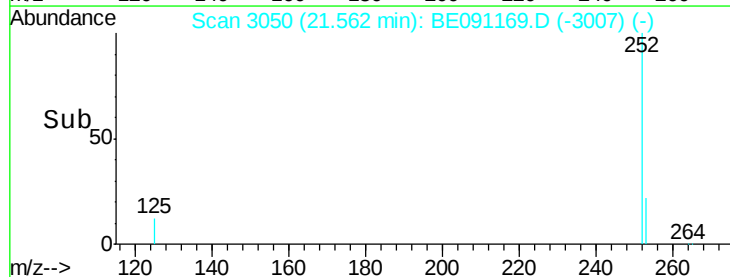
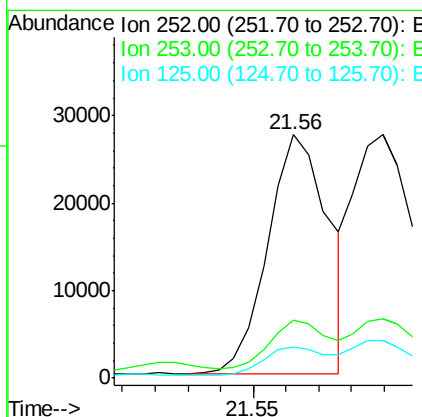
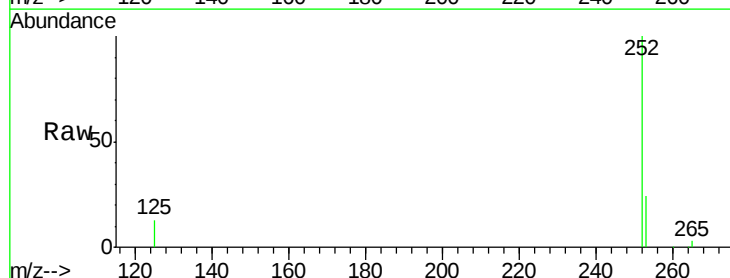
RT: 21.56 min Scan# 3050

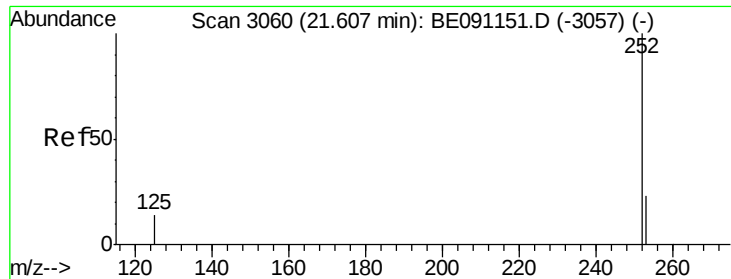
Delta R.T. -0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Tgt Ion:	252	Resp:	34971
Ion Ratio	Lower	Upper	
252	100		
253	23.9	0.0	48.0
125	12.8	0.0	36.6





#24

Benzo(k)fluoranthene

Concen: 0.23 ng/ul

RT: 21.59 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

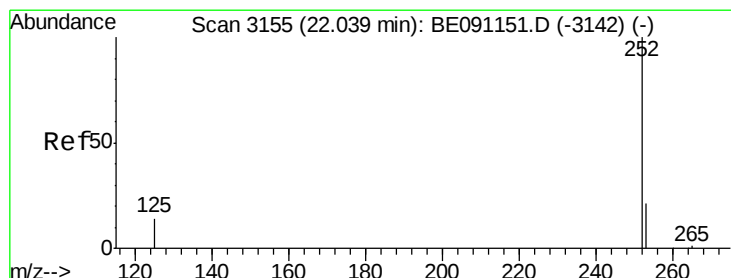
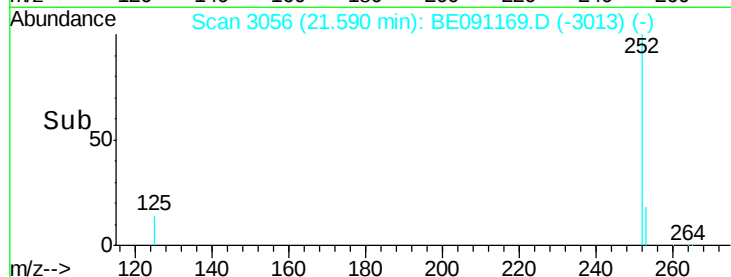
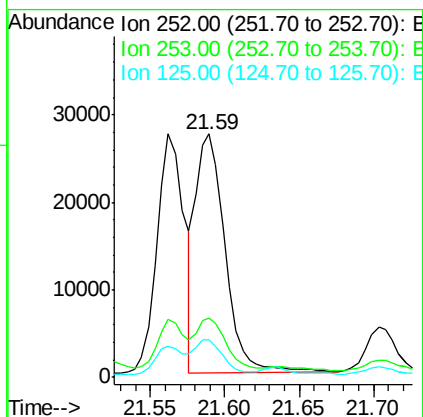
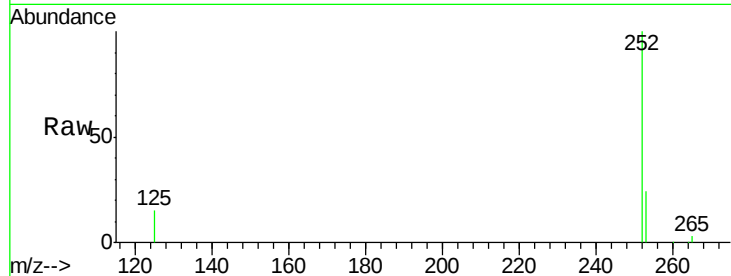
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.8	31.2
125	15.2	12.2	18.4



#25

Benzo(a)pyrene

Concen: 0.29 ng/ul

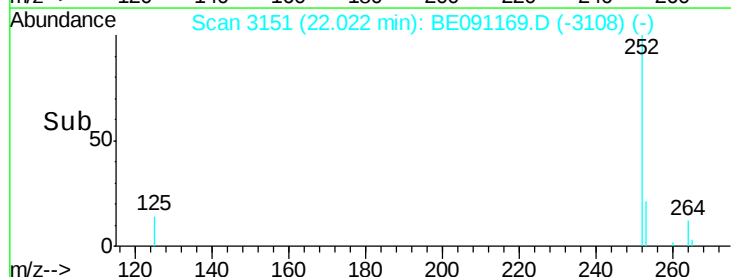
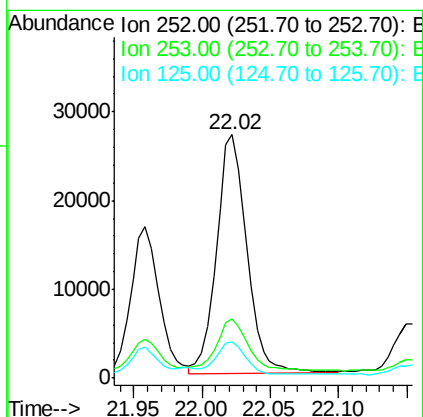
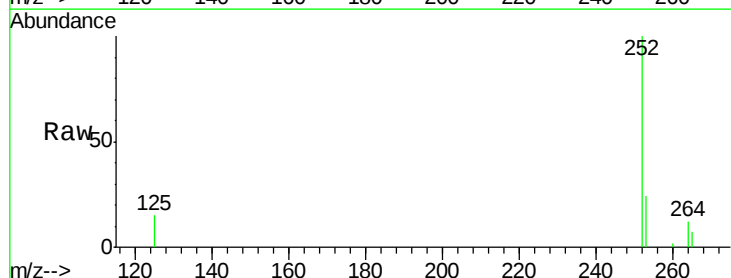
RT: 22.02 min Scan# 3151

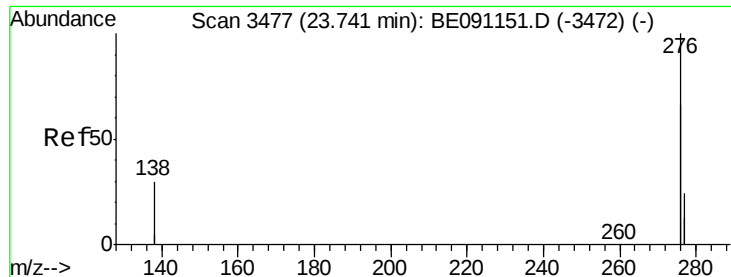
Delta R.T. -0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	21.8	32.8
125	14.7	14.5	21.7





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.14 ng/ul

RT: 23.72 min Scan# 3473

Delta R.T. -0.00 min

Lab File: BE091169.D

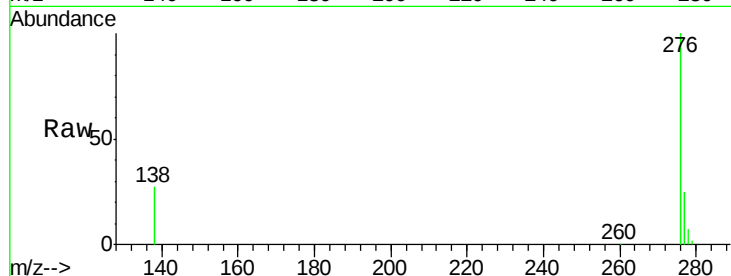
Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

A4HS0DL



Tgt Ion: 276 Resp: 87877

Ion Ratio Lower Upper

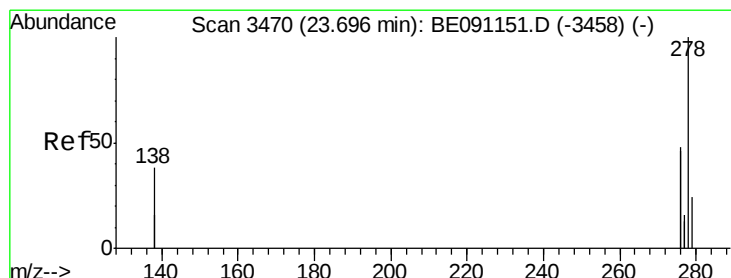
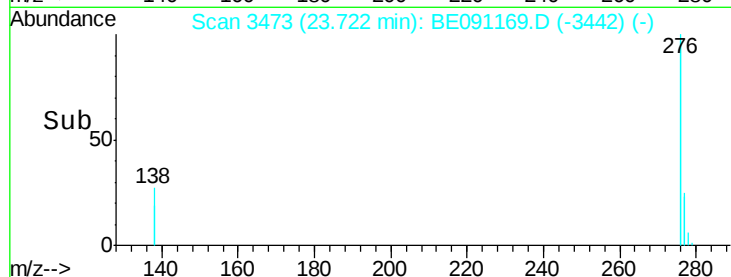
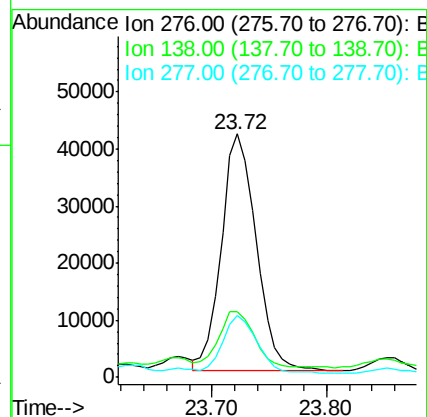
276 100

138 24.6 27.5 41.3#

277 24.2 19.3 28.9

Manual Integrations
APPROVED

mmdadoda
11/16/2015 3:27:11 PM



#27

Dibenzo(a,h)anthracene

Concen: 0.05 ng/ul

RT: 23.67 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

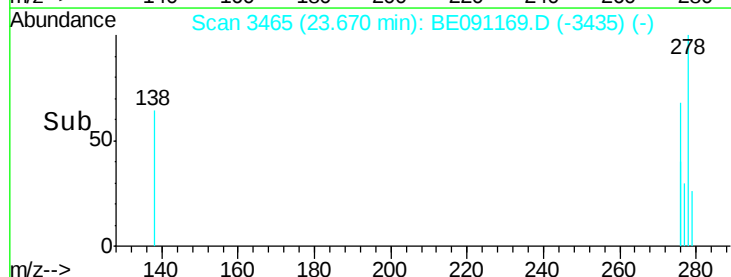
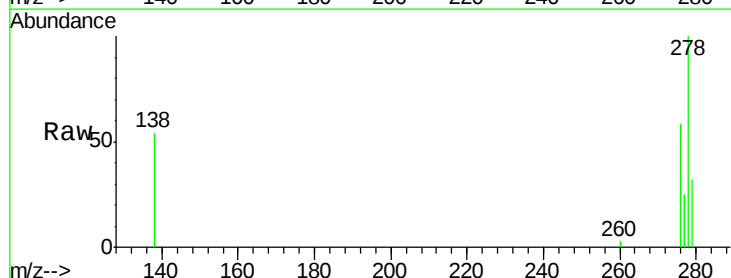
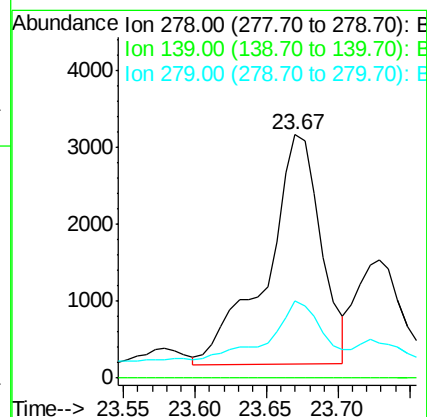
Tgt Ion: 278 Resp: 7913

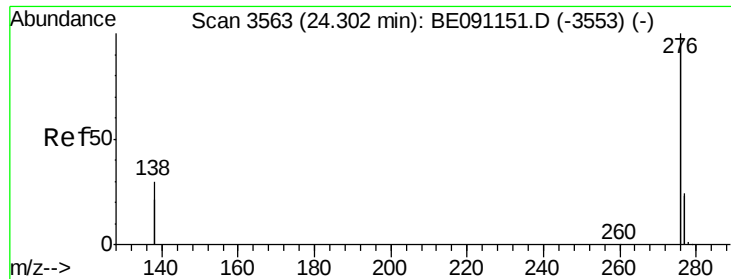
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 31.6 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.12 ng/ul

RT: 24.28 min Scan# 3558

Delta R.T. -0.01 min

Lab File: BE091169.D

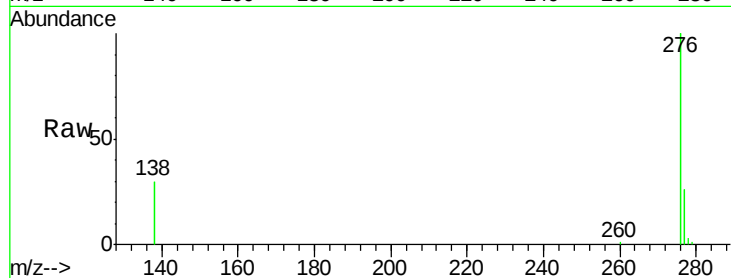
Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

A4HS0DL



Tgt Ion:	276	Resp:	76994
Ion Ratio	Lower	Upper	
276	100		
277	25.7	21.3	31.9
138	30.3	25.5	38.3

Manual Integrations
APPROVED

mmdadoda
11/16/2015 3:27:11 PM

