

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112315\
 Data File : BE091301.D
 Acq On : 23 Nov 2015 15:56
 Operator : UM/NP
 Sample : G4345-21DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J66DL

Manual Integrations
 APPROVED

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 11/24/2015 1:06:43 PM

Quant Time: Nov 24 02:36:39 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 : Tue Nov 24 00:31:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	1943	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.56	136	8992	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4560	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	12910	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	18059	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	16500	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.00	96	970	0.69	ng/uL	0.05
6) 2-Methylnaphthalene-d10	11.07	152	186	0.02	ng/ul	0.01
16) Fluoranthene-d10	18.06	212	507	0.01	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	9.61	128	745	0.03	ng/ul#	68
7) 2-Methylnaphthalene	11.15	142	541	0.04	ng/ul	94
9) Acenaphthylene	13.11	152	929	0.04	ng/ul#	73
10) Acenaphthene	13.42	153	920	0.06	ng/ul#	81
11) Fluorene	14.41	166	1582	0.08	ng/ul#	97
14) Phenanthrene	16.11	178	161090	1.08	ng/ul	97
15) Anthracene	16.20	178	38434	0.28	ng/ul	96
17) Fluoranthene	18.10	202	272392	1.56	ng/ul	88
19) Pyrene	18.47	202	231912	1.13	ng/ul#	79
20) Benzo(a)anthracene	20.20	228	30449m	0.66	ng/ul	
21) Chrysene	20.26	228	35337	0.66	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	28461	0.55	ng/ul	95
24) Benzo(k)fluoranthene	21.58	252	24506	0.46	ng/ul	95
25) Benzo(a)pyrene	22.01	252	27897	0.59	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.70	276	65677	0.33	ng/ul#	91
28) Benzo(a,h,i)perylene	24.26	276	65035	0.31	ng/ul	95

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

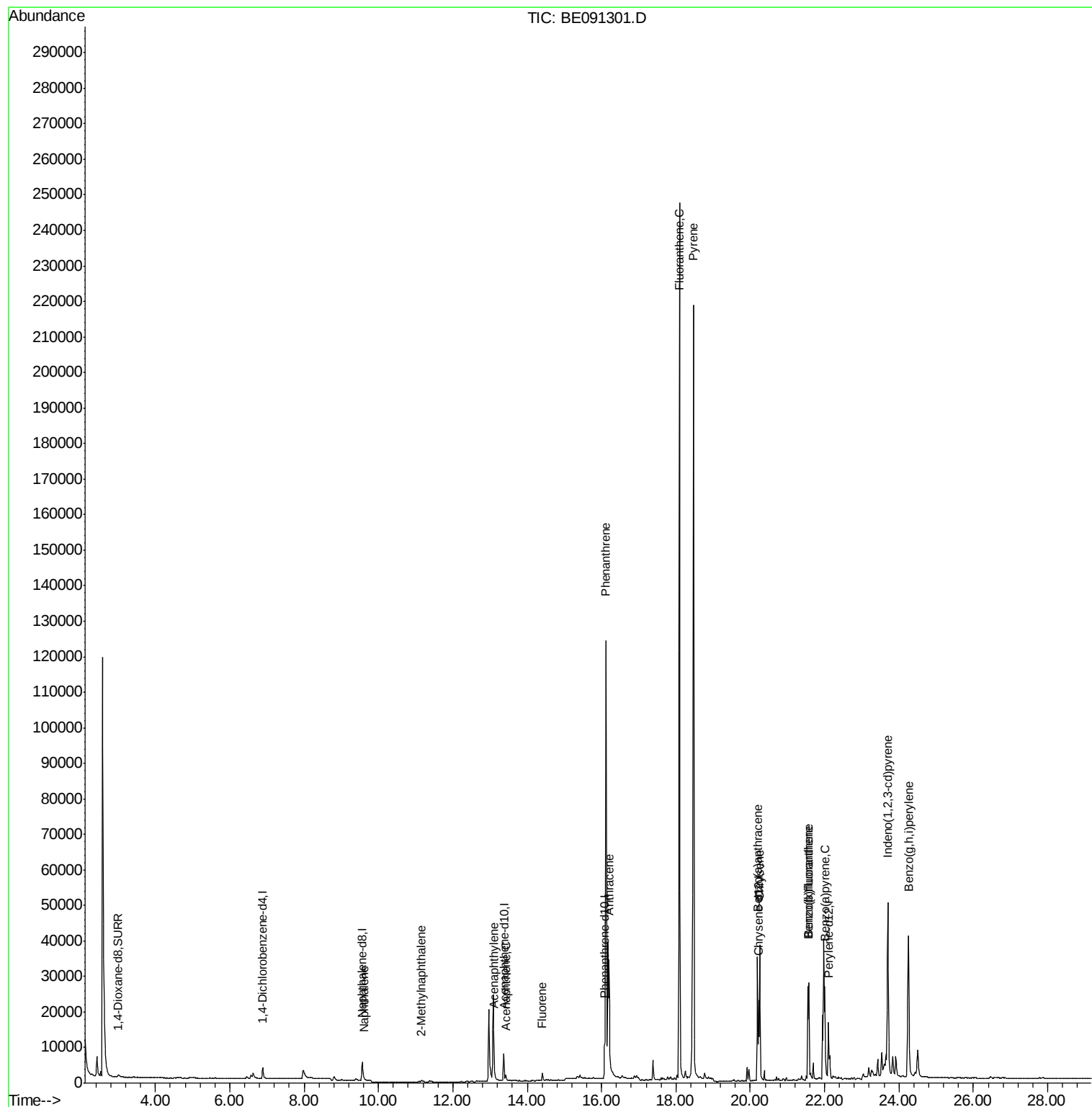
Data Path : Z:\HPCHEM1\BNA E\DATA\BE112315\
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ALS Vial : 7 Sample Multiplier: 1

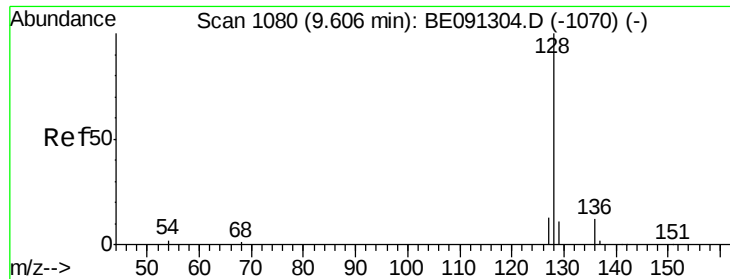
Instrument :
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Quant Time: Nov 24 02:36:39 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 24 00:31:29 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.03 ng/ul

RT: 9.61 min Scan# 1081

Delta R.T. 0.01 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

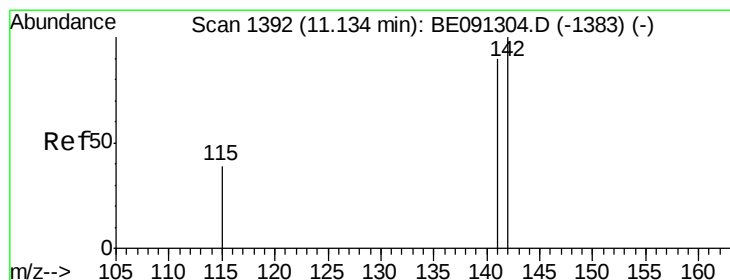
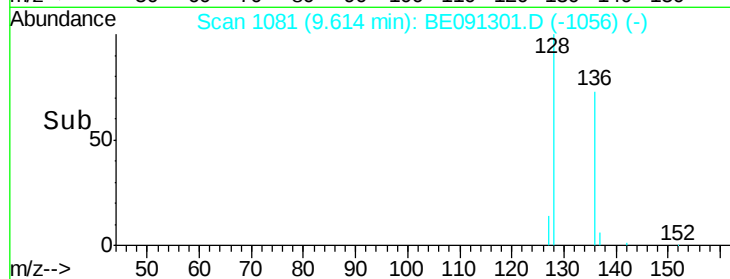
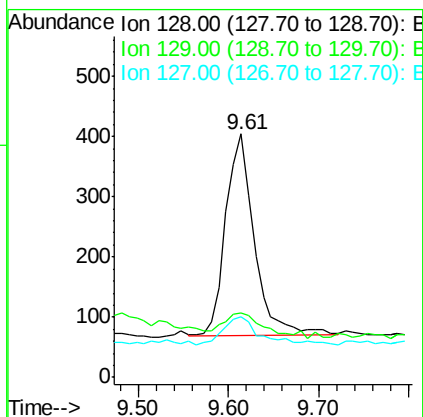
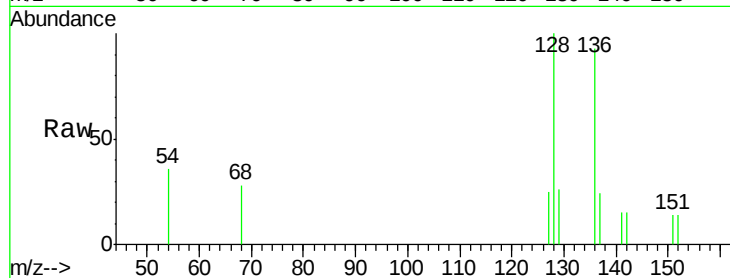
ClientSampleId :

A4J66DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	26.5	9.8	14.8#
127	25.0	10.7	16.1#

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#7

2-Methylnaphthalene

Concen: 0.04 ng/ul

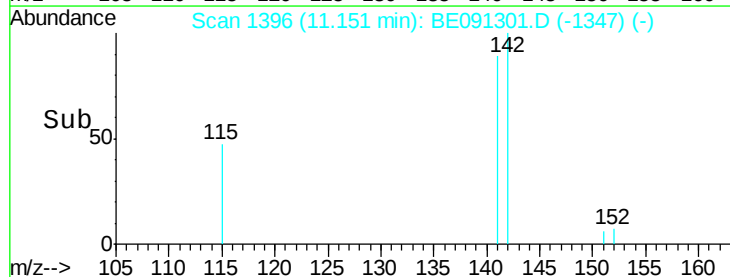
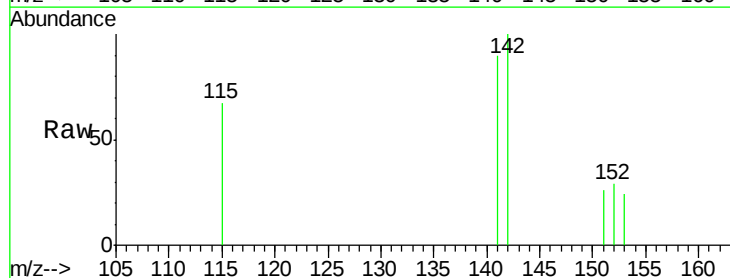
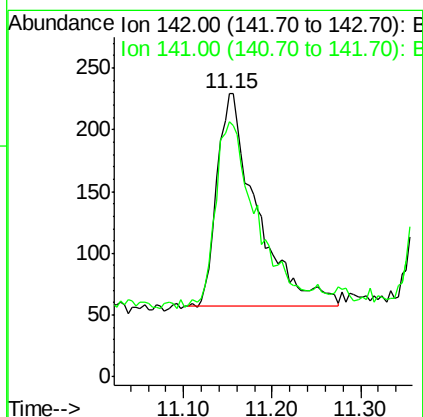
RT: 11.15 min Scan# 1396

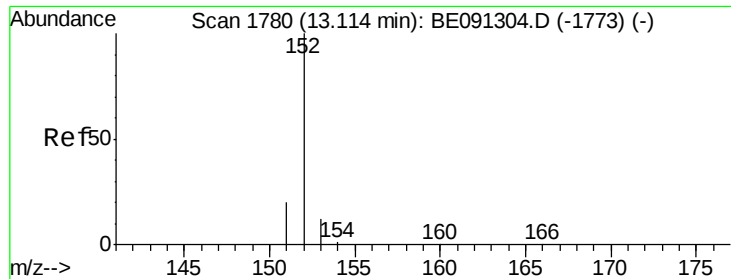
Delta R.T. 0.02 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.9	70.3	105.5





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 13.11 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

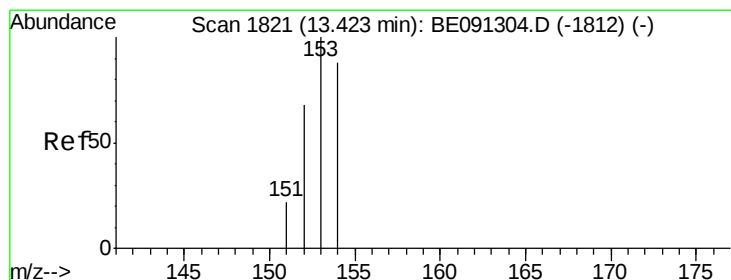
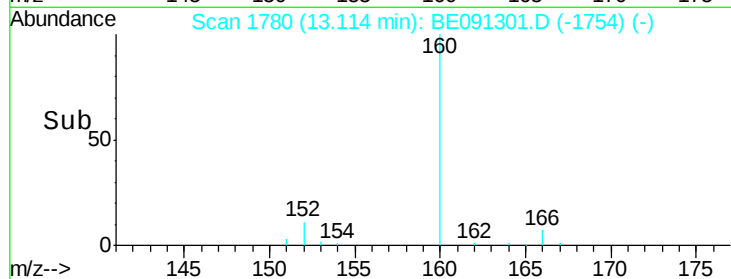
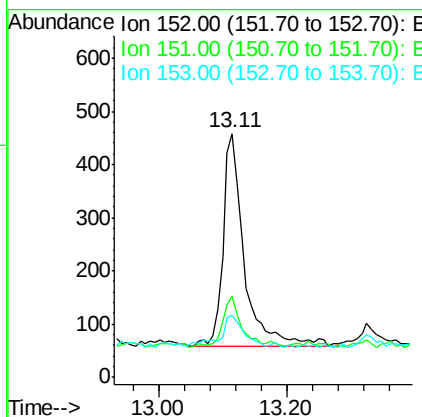
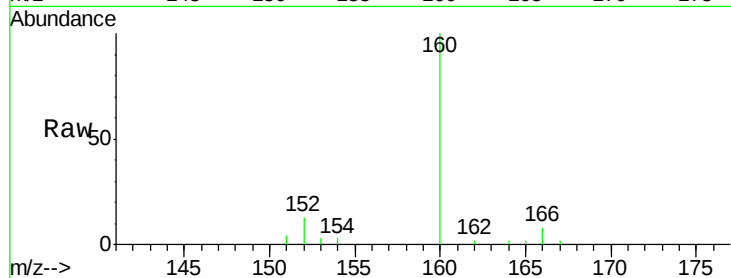
ClientSampleId :

A4J66DL

Tot Ion:	152	Resp:	929
Ion Ratio	Lower	Upper	
152	100		
151	33.4	16.8	25.2#
153	25.1	11.3	16.9#

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#10

Acenaphthene

Concen: 0.06 ng/ul

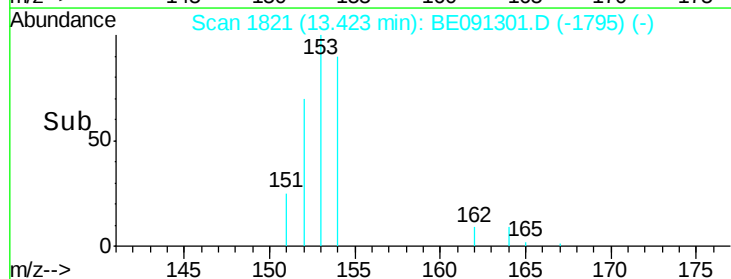
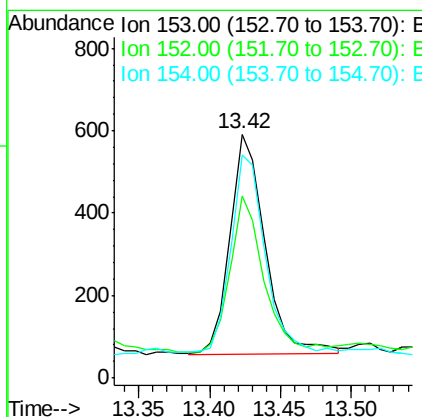
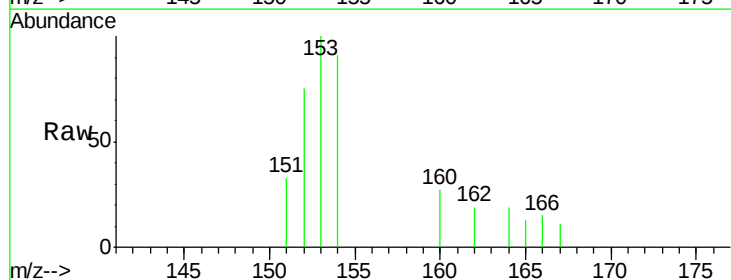
RT: 13.42 min Scan# 1821

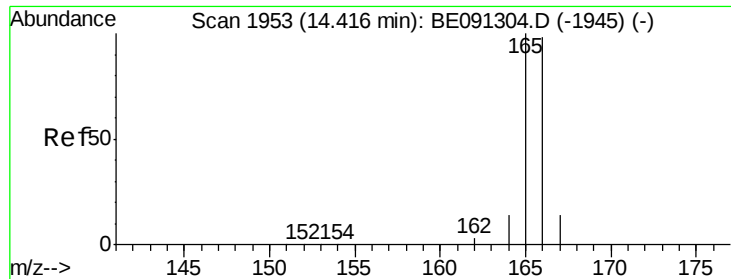
Delta R.T. -0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Tgt Ion:	153	Resp:	920
Ion Ratio	Lower	Upper	
153	100		
152	74.8	42.3	63.5#
154	91.4	64.7	97.1





#11

Fluorene

Concen: 0.08 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

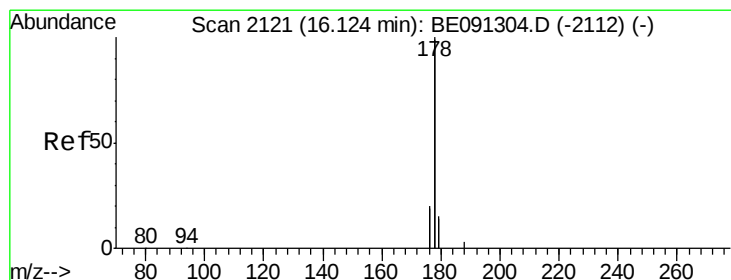
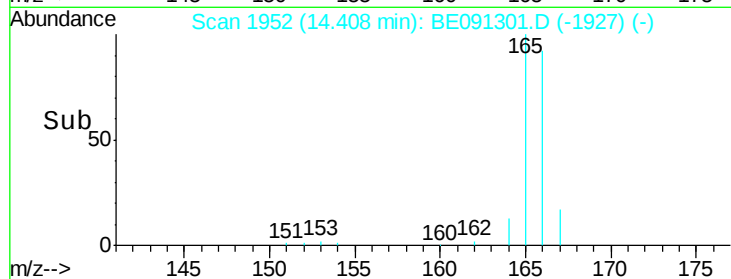
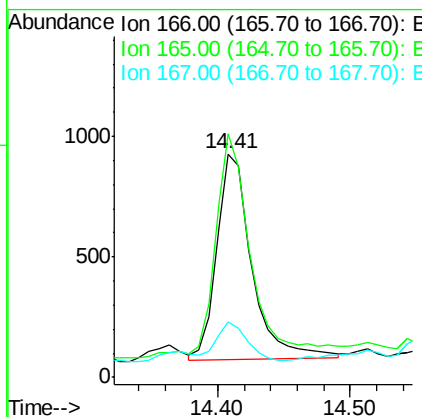
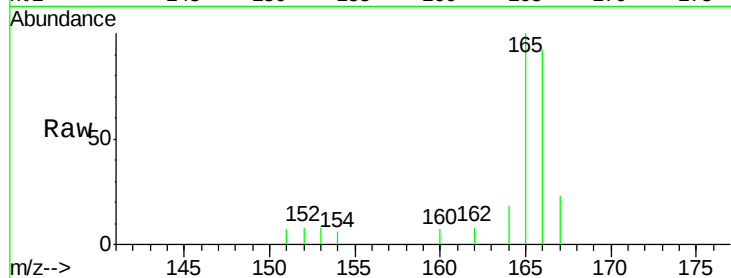
ClientSampleId :

A4J66DL

Tot Ion:	166	Resp:	1582
Ion Ratio	Lower	Upper	
166	100		
165	109.1	87.6	131.4
167	24.7	11.1	16.7#

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#14

Phenanthrene

Concen: 1.08 ng/ul

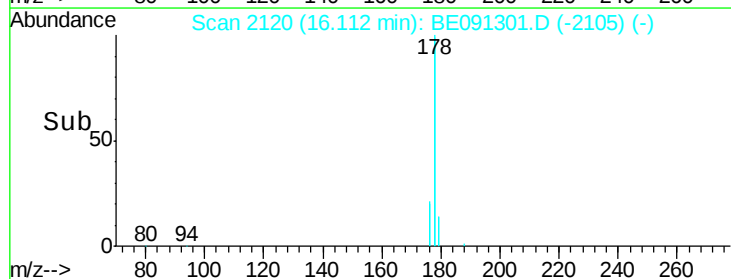
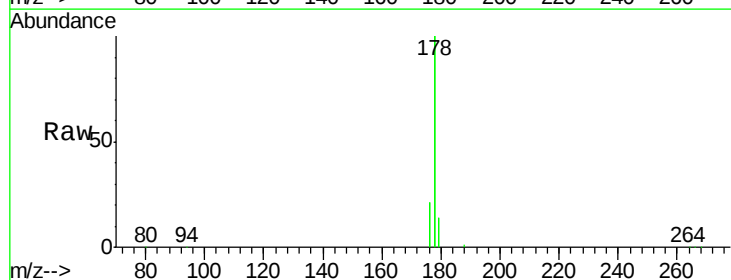
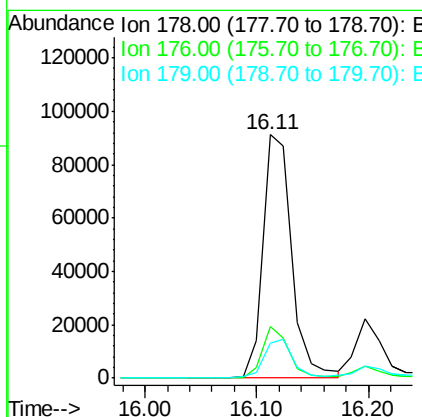
RT: 16.11 min Scan# 2120

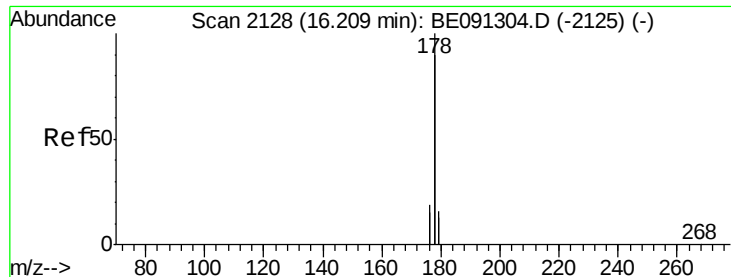
Delta R.T. -0.01 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Tgt Ion:	178	Resp:	161090
Ion Ratio	Lower	Upper	
178	100		
176	21.1	16.2	24.4
179	14.3	12.8	19.2





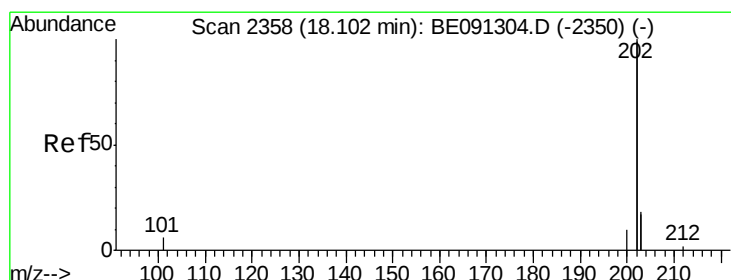
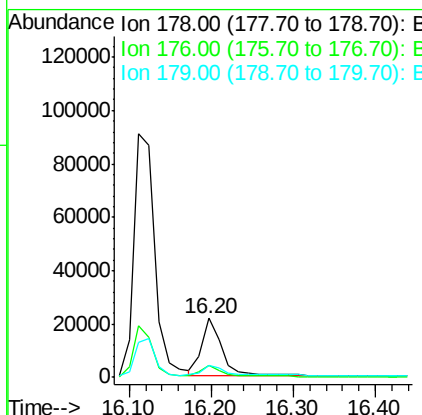
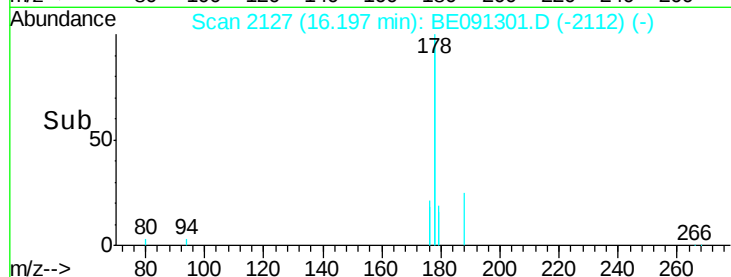
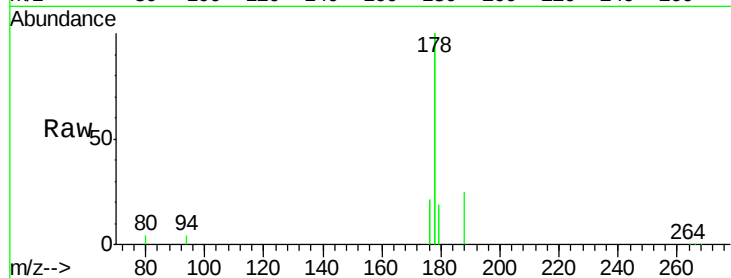
#15
 Anthracene
 Concen: 0.28 ng/ul
 RT: 16.20 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BE091301.D
 Acq: 23 Nov 2015 15:56

Instrument :
 BNA_E
 ClientSampleId :
 A4J66DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	19.3	13.3	19.9

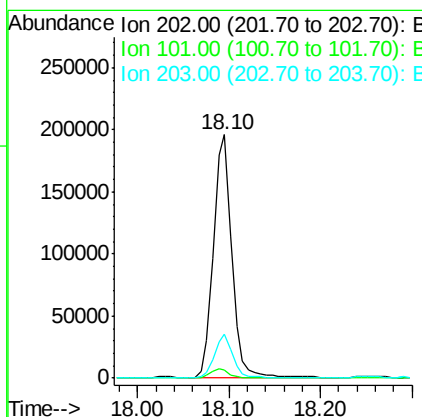
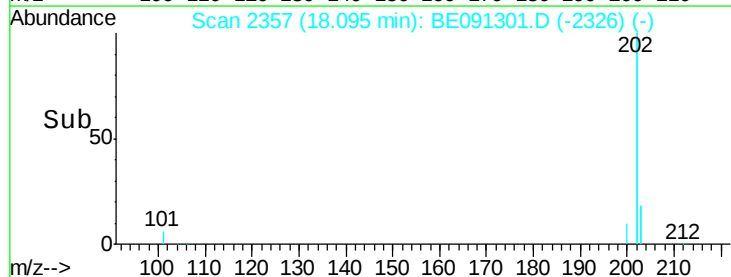
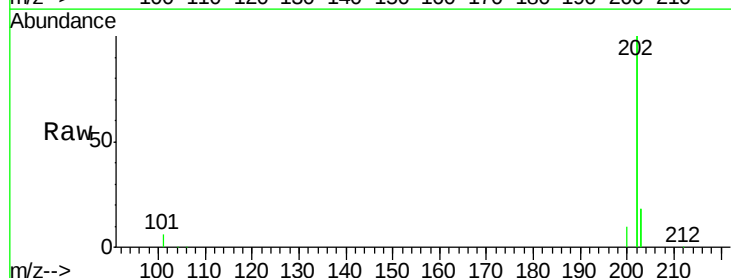
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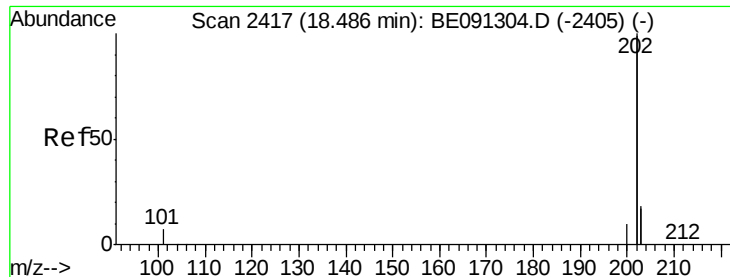
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#17
 Fluoranthene
 Concen: 1.56 ng/ul
 RT: 18.10 min Scan# 2357
 Delta R.T. 0.00 min
 Lab File: BE091301.D
 Acq: 23 Nov 2015 15:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.1	0.0	33.1
203	18.2	0.0	37.2





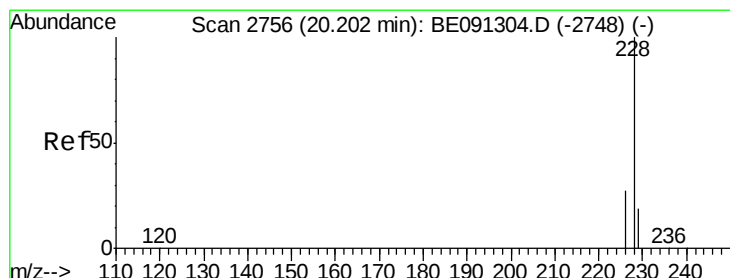
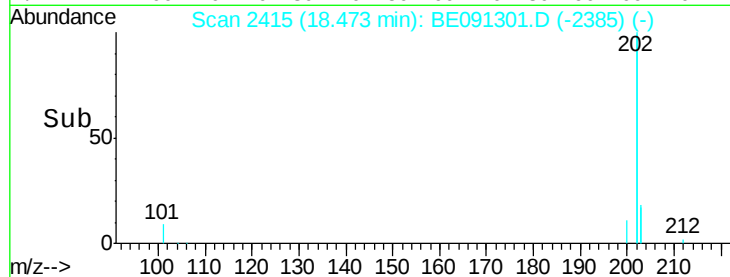
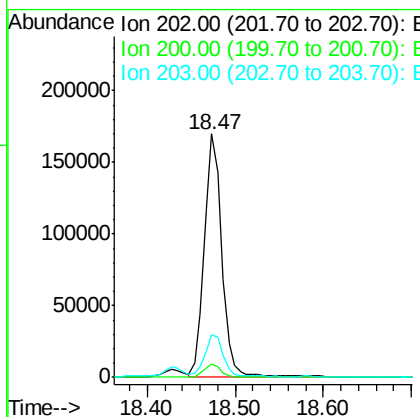
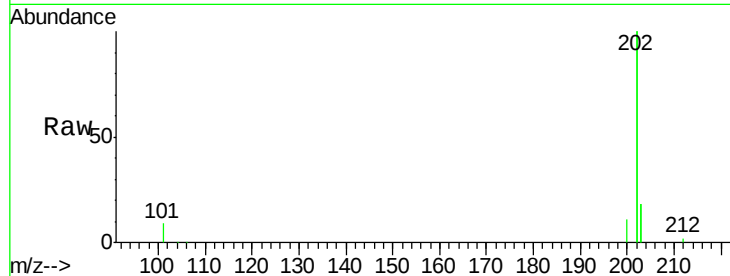
#19
Pvrene
Concen: 1.13 ng/ul
RT: 18.47 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BE091301.D
Acq: 23 Nov 2015 15:56

Instrument :
BNA_E
ClientSampleId :
A4J66DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	5.4	18.0	27.0#
203	17.7	13.8	20.6

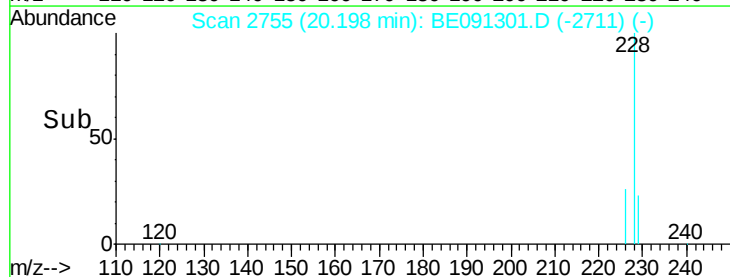
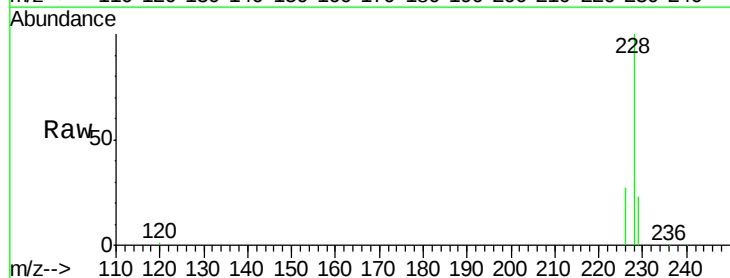
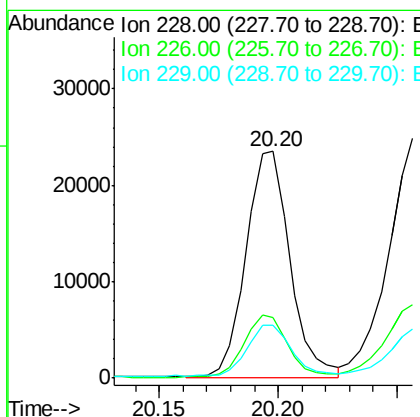
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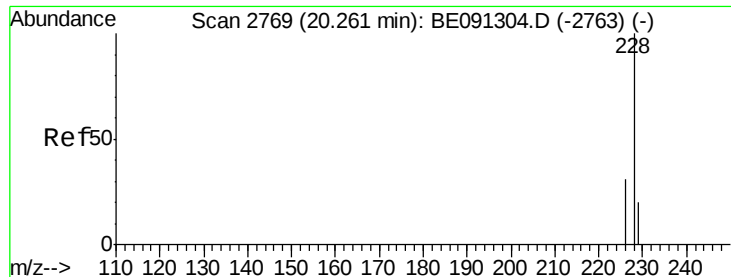
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#20
Benzo(a)anthracene
Concen: 0.66 ng/ul m
RT: 20.20 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE091301.D
Acq: 23 Nov 2015 15:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.6	23.0	34.4
229	23.5	15.2	22.8#





#21

Chrysene

Concen: 0.66 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

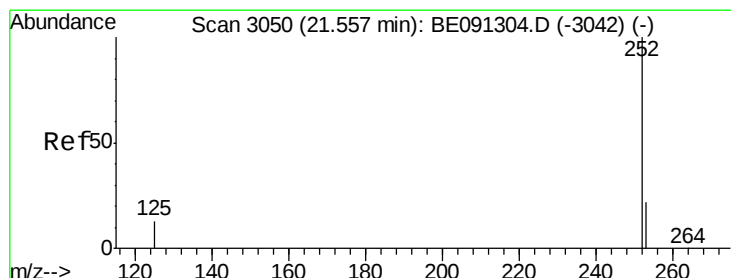
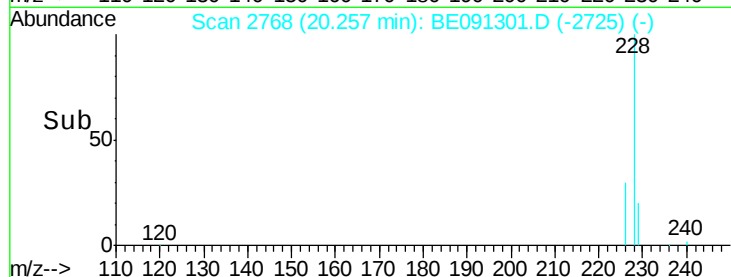
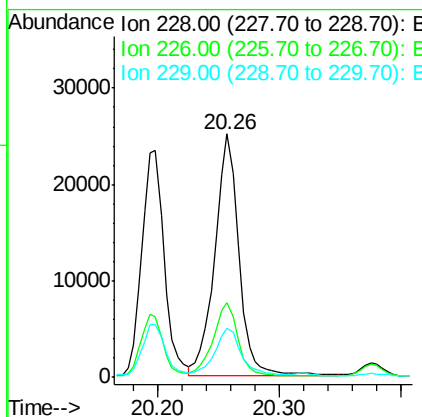
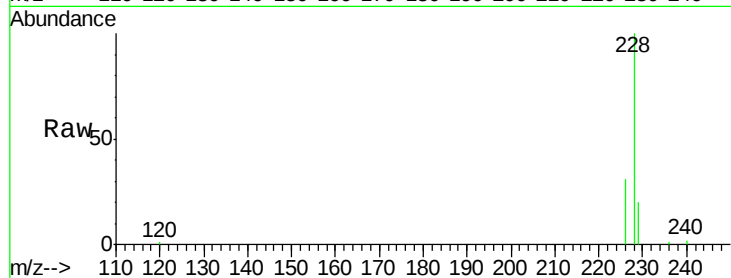
ClientSampleId :

A4J66DL

Tot Ion:	228	Resp:	35337
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.7	38.5
229	20.3	15.2	22.8

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#23

Benzo(b)fluoranthene

Concen: 0.55 ng/ul

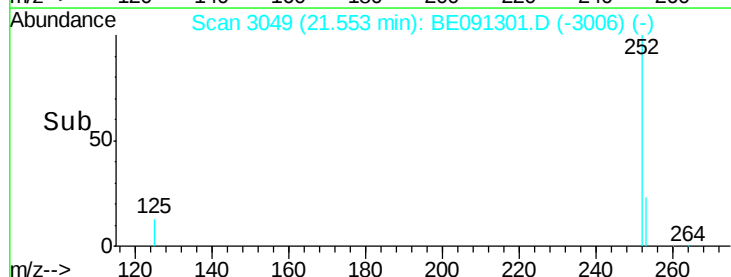
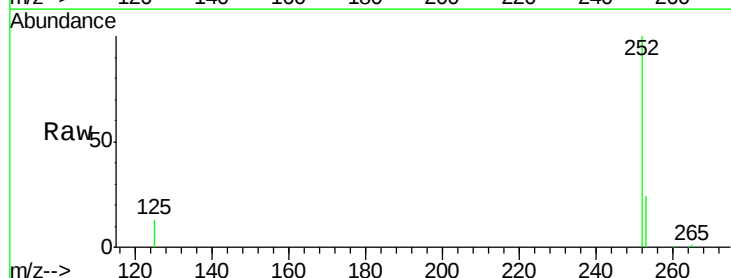
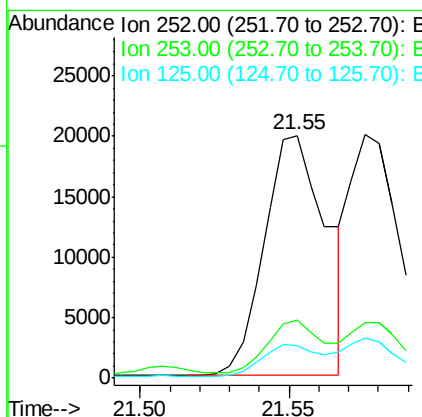
RT: 21.55 min Scan# 3049

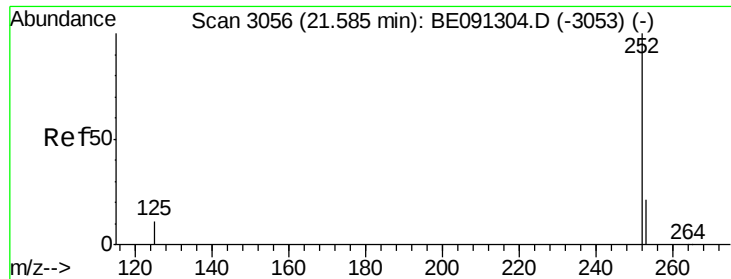
Delta R.T. -0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Tgt Ion:	252	Resp:	28461
Ion Ratio	Lower	Upper	
252	100		
253	23.7	0.0	48.0
125	13.3	0.0	36.6





#24

Benzo(k)fluoranthene

Concen: 0.46 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

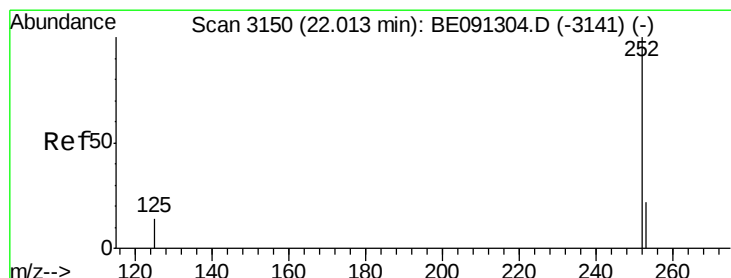
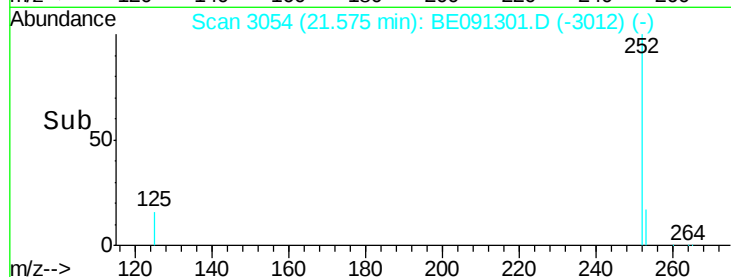
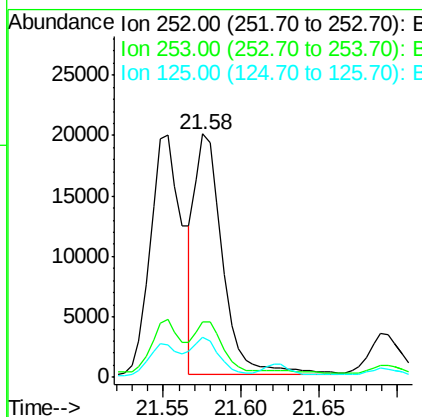
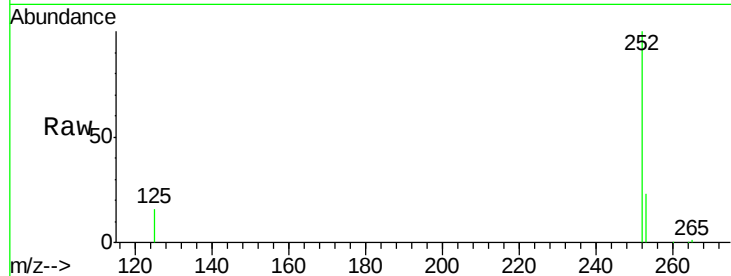
ClientSampleId :

A4J66DL

Tot Ion:	252	Resp:	24506
Ion Ratio	Lower	Upper	
252	100		
253	22.8	20.8	31.2
125	16.3	12.2	18.4

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#25

Benzo(a)pyrene

Concen: 0.59 ng/ul

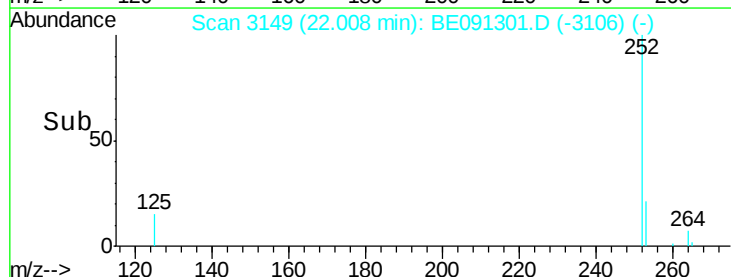
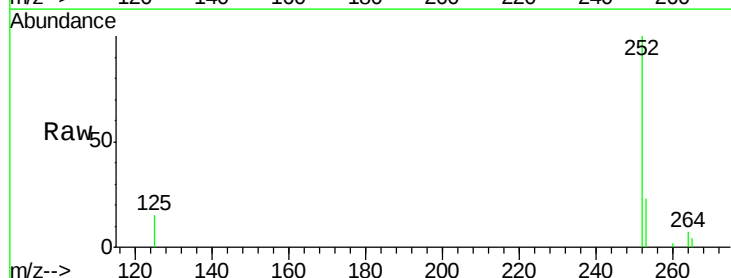
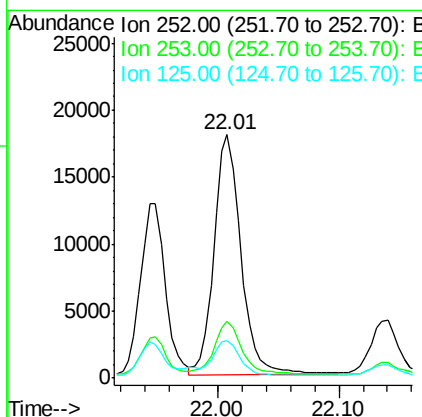
RT: 22.01 min Scan# 3149

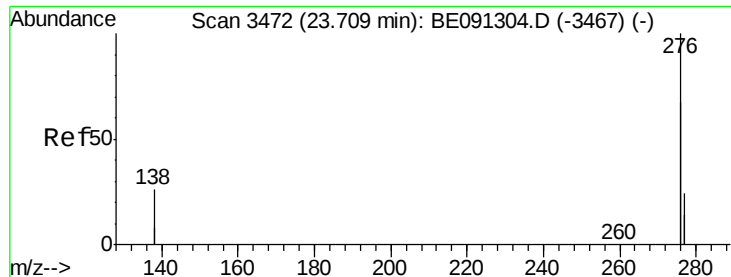
Delta R.T. -0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Tgt Ion:	252	Resp:	27897
Ion Ratio	Lower	Upper	
252	100		
253	23.1	21.8	32.8
125	15.4	14.5	21.7





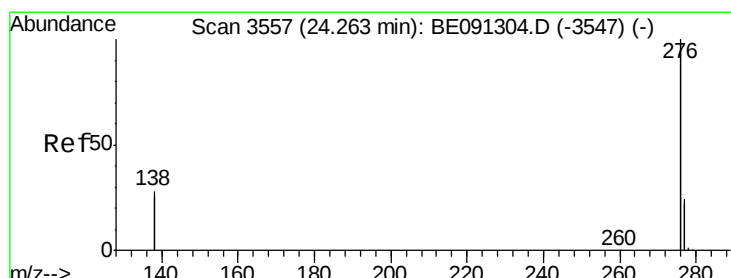
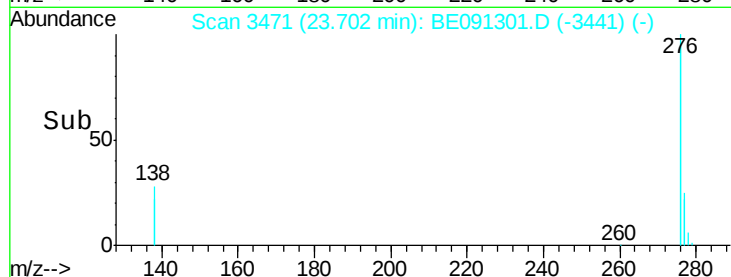
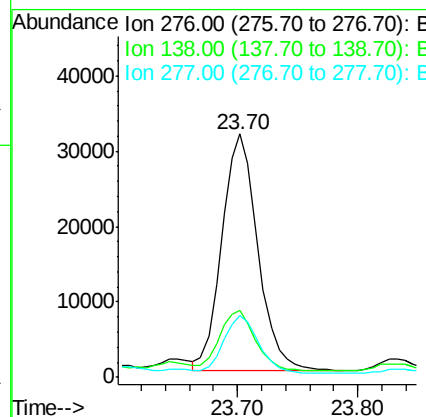
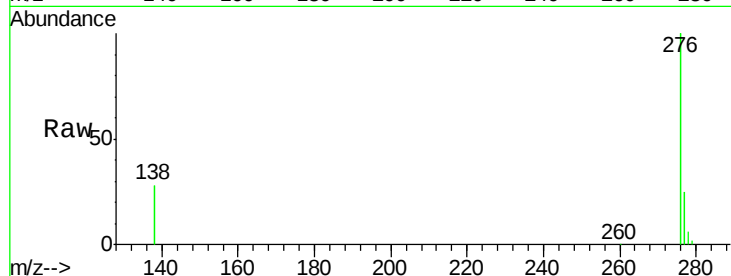
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.33 ng/ul
 RT: 23.70 min Scan# 3471
 Delta R.T. -0.01 min
 Lab File: BE091301.D
 Acq: 23 Nov 2015 15:56

Instrument :
 BNA_E
 ClientSampleId :
 A4J66DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	27.5	41.3#
277	24.0	19.3	28.9

Manual Integrations
 APPROVED

Mmdadoda
 11/24/2015 1:06:43 PM



#28
 Benzo(g,h,i)perylene
 Concen: 0.31 ng/ul
 RT: 24.26 min Scan# 3556
 Delta R.T. -0.00 min
 Lab File: BE091301.D
 Acq: 23 Nov 2015 15:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	21.3	31.9
138	28.6	25.5	38.3

