

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
 Data File : BE091540.D
 Acq On : 28 Mar 2016 15:22
 Operator : UM/SJ
 Sample : PB88878BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB88878BS

Manual Integrations
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Sohil
 3/29/2016 5:05:44 PM

Quant Time: Mar 29 01:15:48 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 19:00:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	36778	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	185225	5.00	ng	0.00
10) Acenaphthene-d10	14.43	164	110956	5.00	ng	-0.01
16) Phenanthrene-d10	17.17	188	262925	5.00	ng	0.00
22) Chrysene-d12	21.34	240	277663	5.00	ng	0.00
28) Perylene-d12	23.78	264	288972	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	61463	8.57	ng	-0.02
5) Phenol-d6	6.97	99	92054	9.41	ng	-0.02
7) Nitrobenzene-d5	8.97	82	37583	4.67	ng	-0.01
11) 2,4,6-Tribromophenol	15.91	330	30439	16.13	ng	-0.01
12) 2-Fluorobiphenyl	13.06	172	131914	4.22	ng	-0.01
24) Terphenyl-d14	19.78	244	206323	4.52	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	16478	3.96	ng	92
3) n-Nitrosodimethylamine	3.64	42	25108	4.67	ng	87
8) Naphthalene	10.63	128	150704	4.04	ng	100
9) 2-Methylnaphthalene	12.25	142	107454	4.61	ng	# 89
13) Acenaphthylene	14.15	152	184851	4.75	ng	97
14) Acenaphthene	14.49	154	122517	4.46	ng	96
15) Fluorene	15.47	166	151356	4.51	ng	100
17) Hexachlorobenzene	16.48	284	42236	4.58	ng	96
18) Pentachlorophenol	16.81	266	38672	11.20	ng	99
19) Phenanthrene	17.21	178	269378	4.47	ng	99
20) Anthracene	17.30	178	246895	4.95	ng	99
21) Fluoranthene	19.21	202	286899	5.09	ng	99
23) Pyrene	19.57	202	331980	5.06	ng	97
25) Benzo(a)anthracene	21.31	228	306506	4.78	ng	# 85
26) Chrysene	21.36	228	358288m	4.26	ng	
27) Indeno(1,2,3-cd)pyrene	26.35	276	345505	5.28	ng	99
29) Benzo(b)fluoranthene	23.02	252	310324	4.83	ng	95
30) Benzo(k)fluoranthene	23.08	252	339535m	5.31	ng	
31) Benzo(a)pyrene	23.67	252	292014	4.54	ng	# 94
32) Dibenzo(a,h)anthracene	26.39	278	292964	5.15	ng	97
33) Benzo(g,h,i)perylene	27.15	276	295638	4.97	ng	99

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

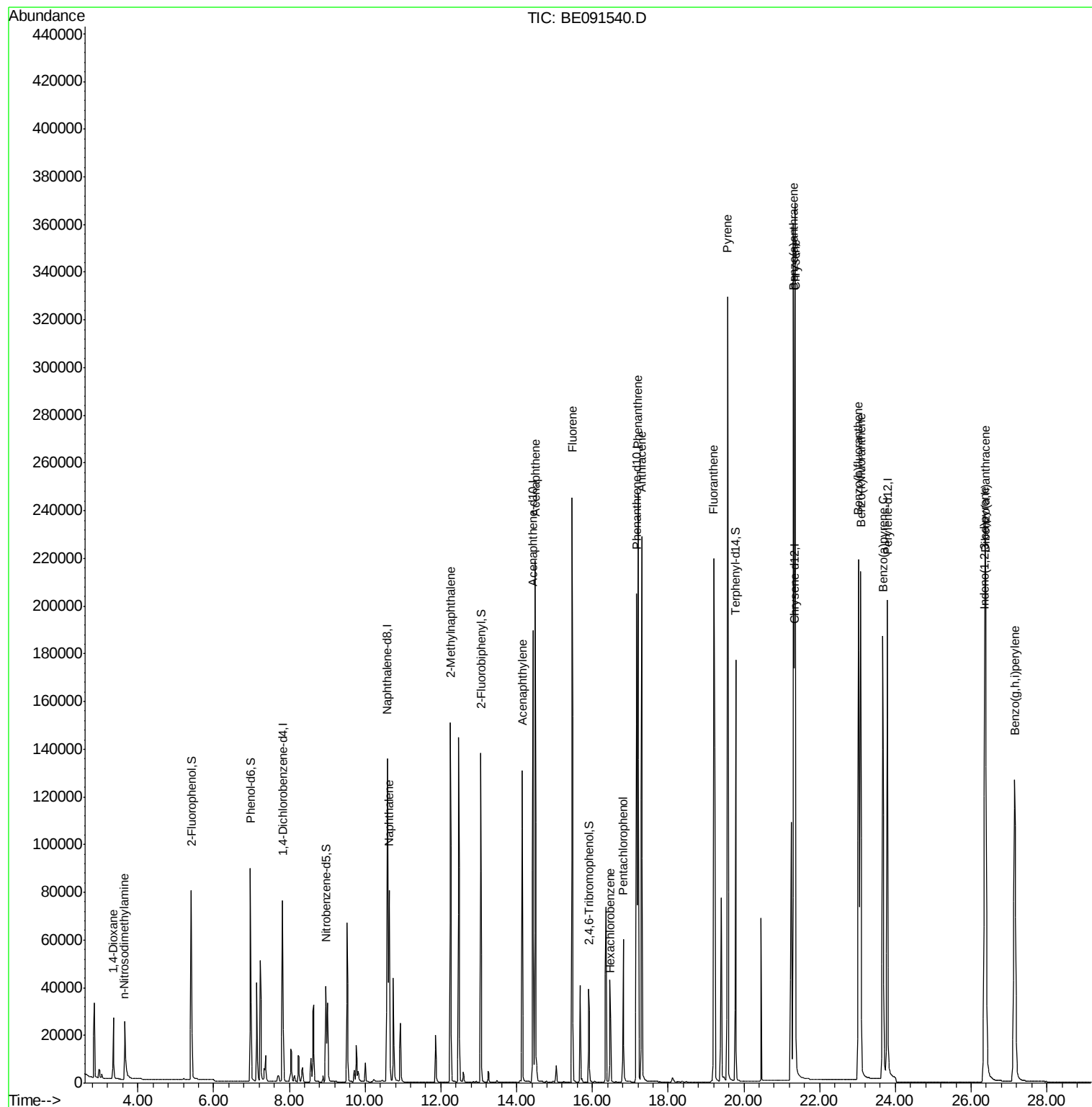
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
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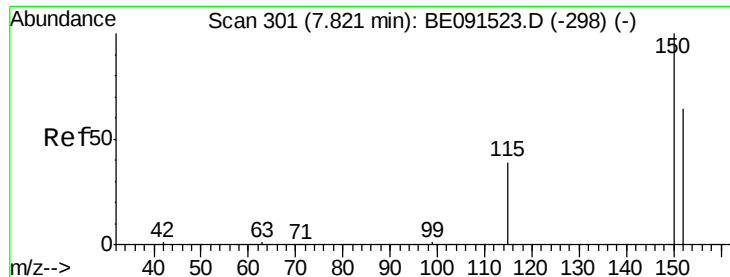
Instrument :
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Quant Time: Mar 29 01:15:48 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 19:00:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.82 min Scan# 301

Delta R.T. -0.00 min

Lab File: BE091540.D

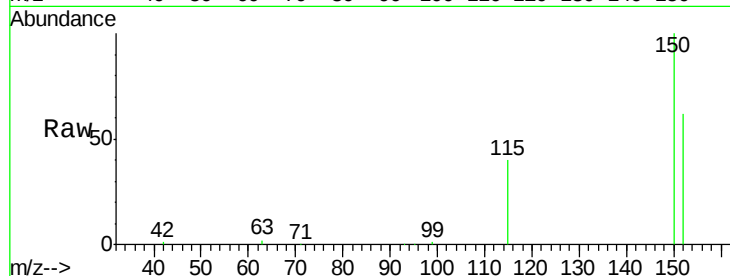
Acq: 28 Mar 2016 15:22

Instrument :

BNA_E

ClientSampleId :

PB88878BS



Tgt Ion: 152 Resp: 36778

Ion Ratio Lower Upper

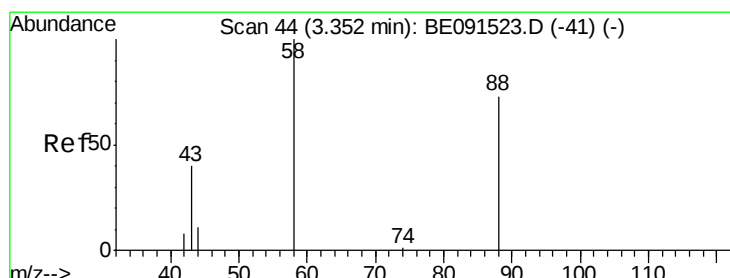
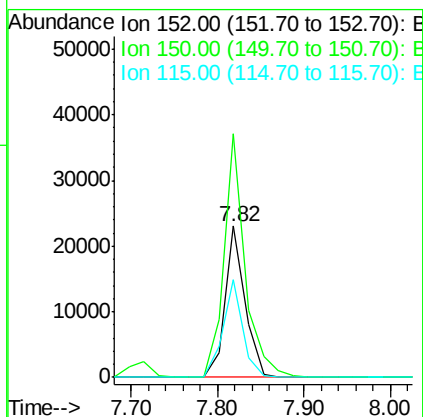
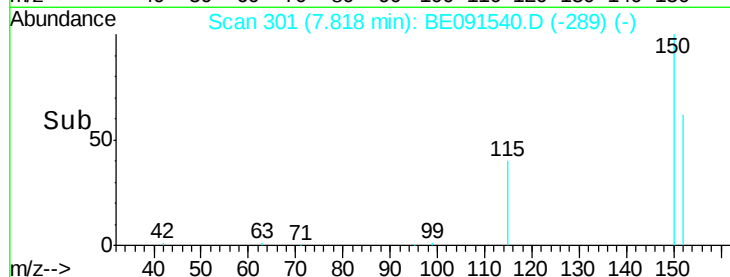
152 100

150 161.0 122.2 183.2

115 64.4 45.9 68.9

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#2

1,4-Dioxane

Concen: 3.96 ng

RT: 3.35 min Scan# 44

Delta R.T. -0.02 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

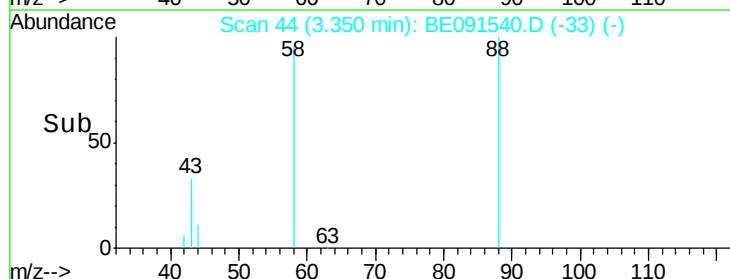
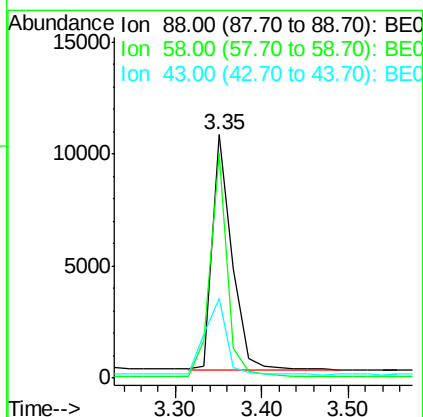
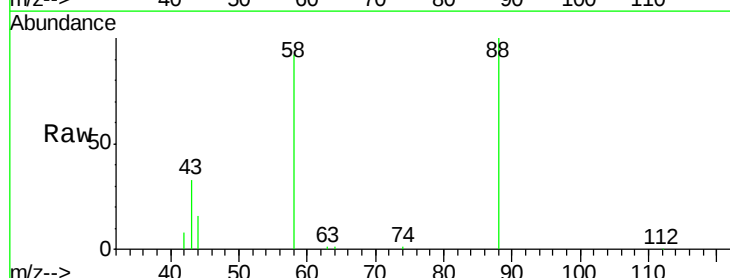
Tgt Ion: 88 Resp: 16478

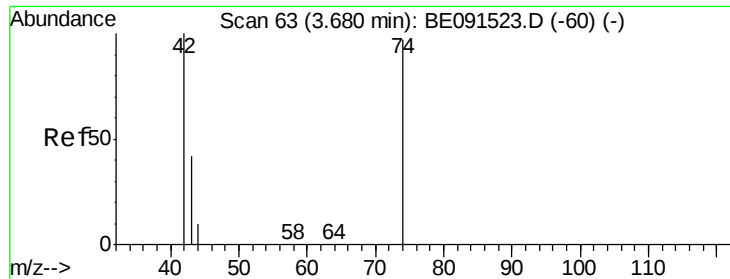
Ion Ratio Lower Upper

88 100

58 83.5 61.0 91.6

43 36.2 25.4 38.2





#3

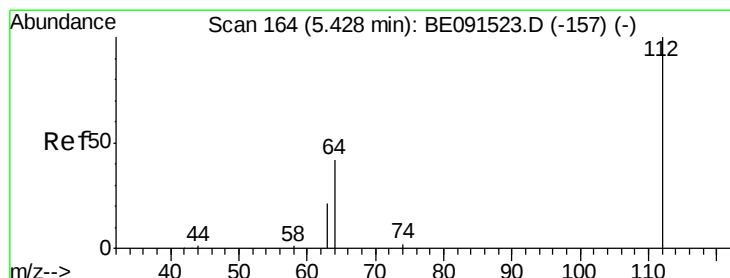
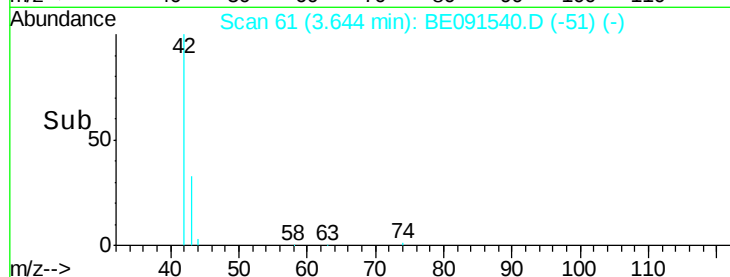
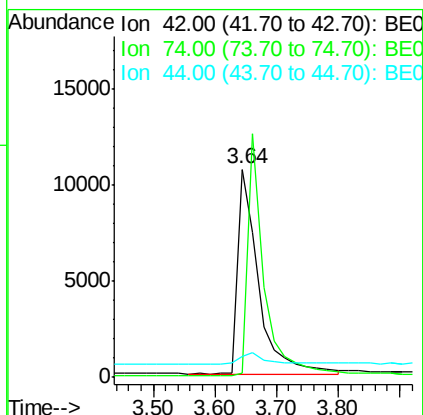
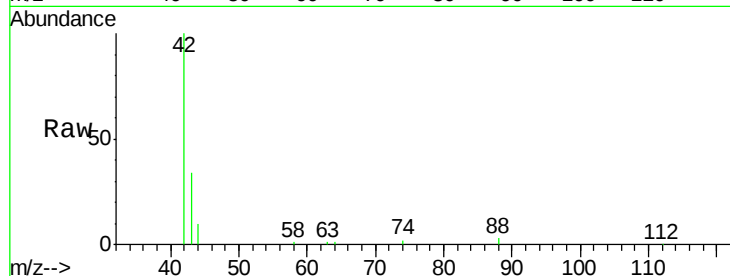
n-Nitrosodimethylamine
Concen: 4.67 ng
RT: 3.64 min Scan# 61
Delta R.T. -0.03 min
Lab File: BE091540.D
Acq: 28 Mar 2016 15:22

Instrument :
BNA_E
ClientSampleId :
PB88878BS

Tgt Ion	Ratio	Lower	Upper
42	100		
74	91.5	84.3	126.5
44	7.0	6.7	10.1

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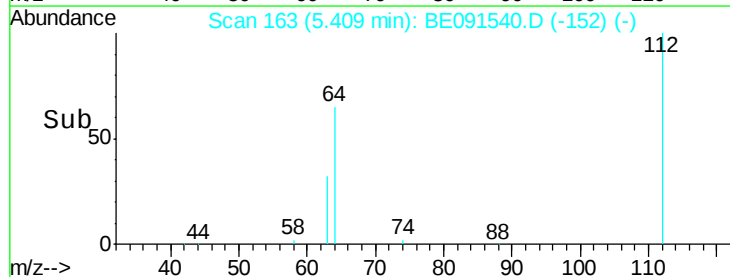
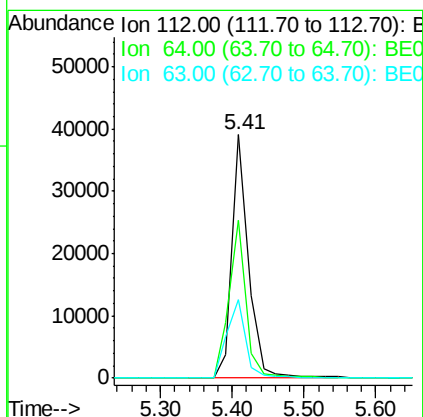
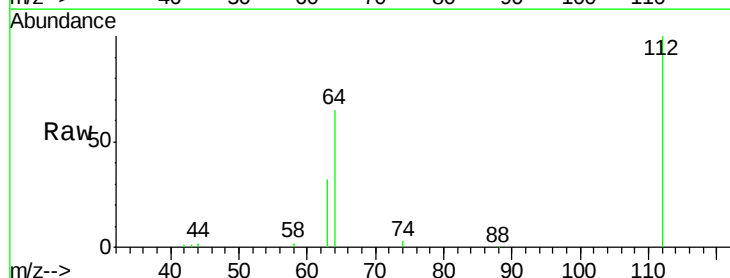
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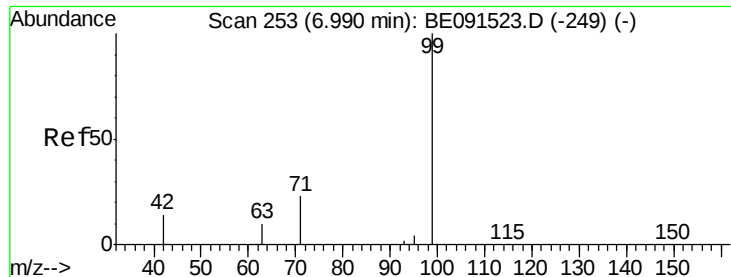


#4

2-Fluorophenol
Concen: 8.57 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091540.D
Acq: 28 Mar 2016 15:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	53.3	79.9
63	36.8	29.8	44.8





#5

Phenol-d6

Concen: 9.41 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

Instrument :

BNA_E

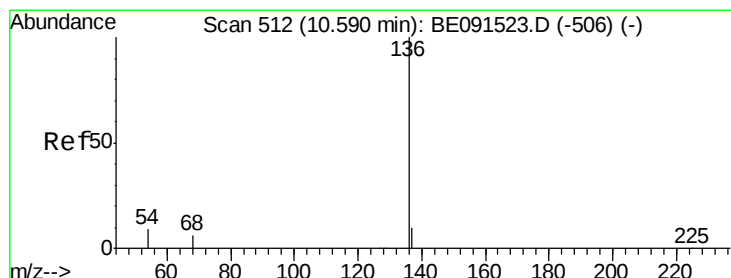
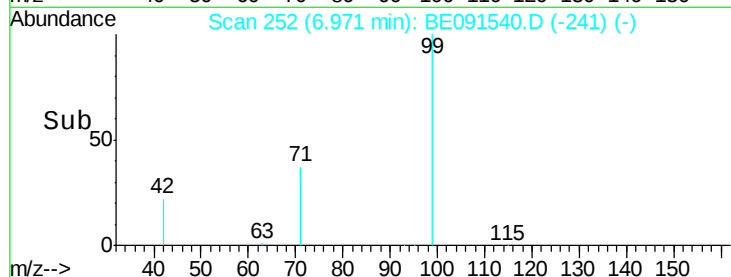
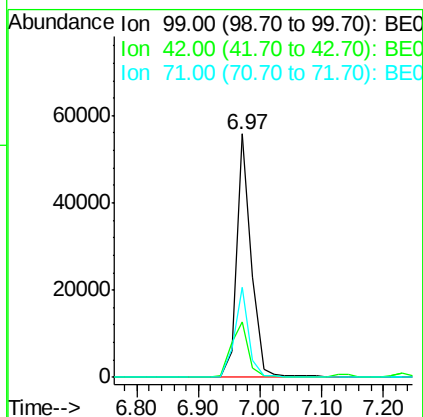
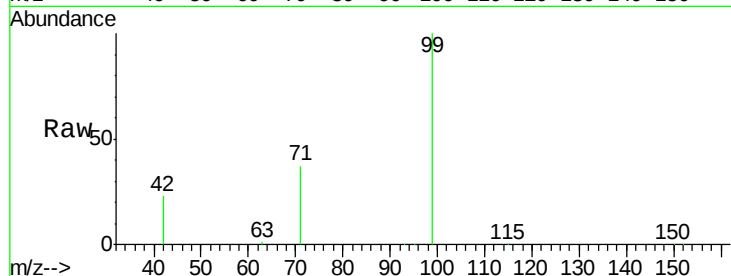
ClientSampleId :

PB88878BS

Tgt Ion:	99	Resp:	92054
Ion Ratio	Lower	Upper	
99	100		
42	26.3	20.6	30.8
71	36.0	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

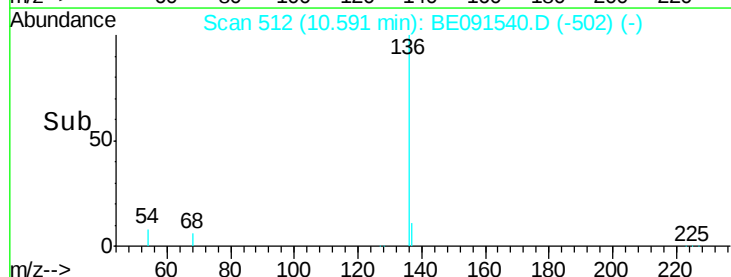
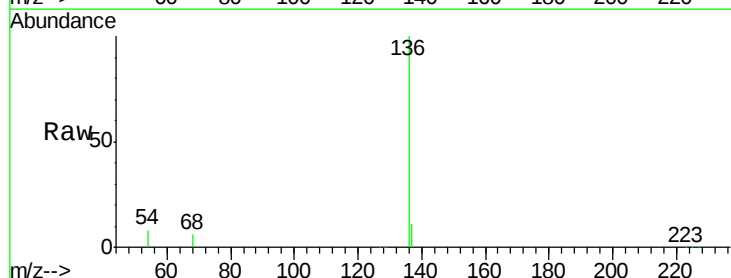
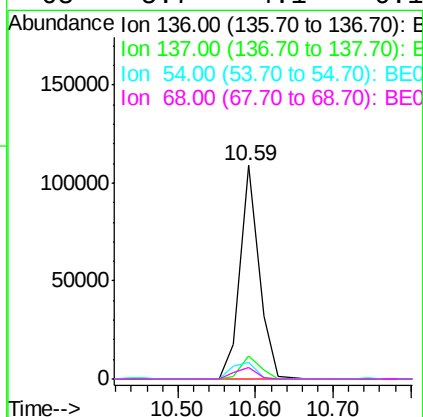
RT: 10.59 min Scan# 512

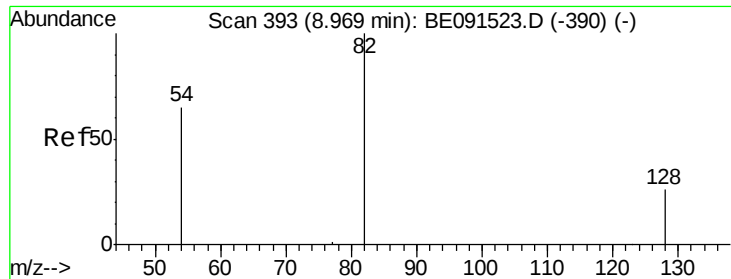
Delta R.T. -0.00 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

Tgt Ion:	136	Resp:	185225
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	7.9	5.2	7.8#
68	5.7	4.1	6.1





#7

Nitrobenzene-d5

Concen: 4.67 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

Instrument :

BNA_E

ClientSampleId :

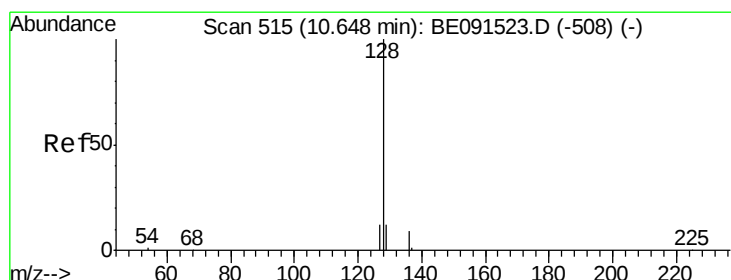
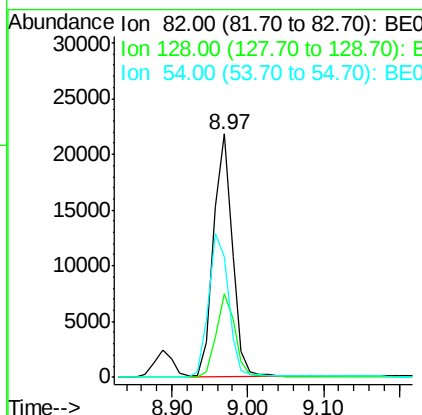
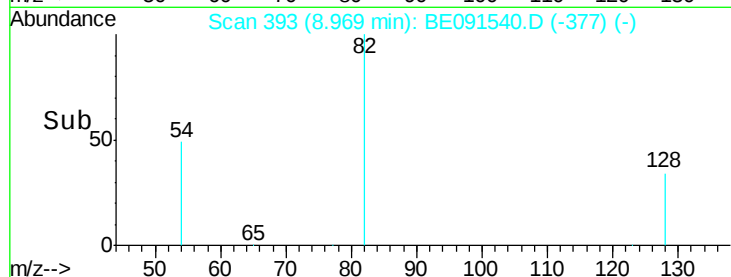
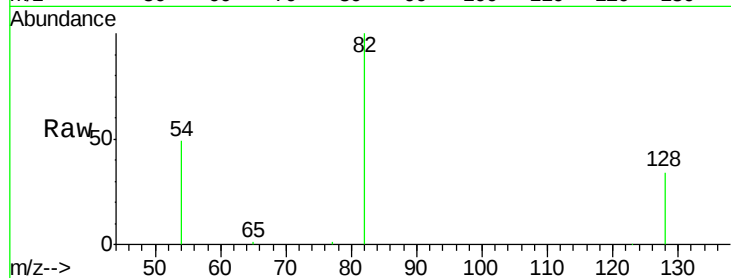
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Tgt Ion	82	Resp	37583
Ion Ratio	Lower	Upper	
82	100		
128	34.5	23.5	35.3
54	49.4	52.4	78.6#



#8

Naphthalene

Concen: 4.04 ng

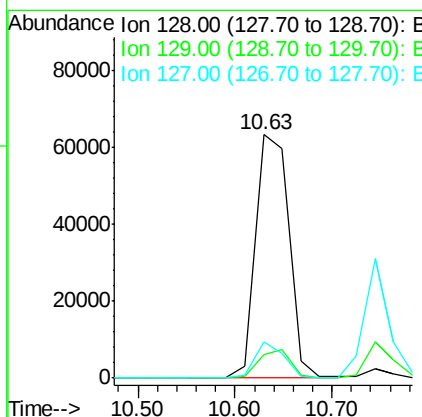
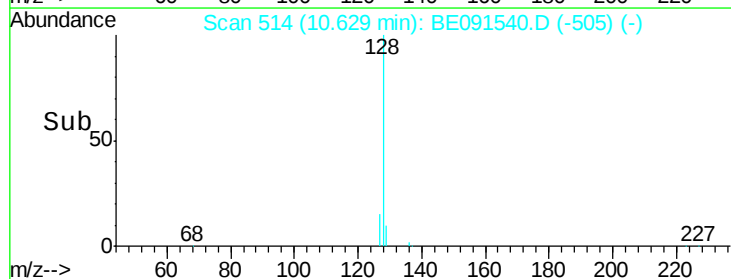
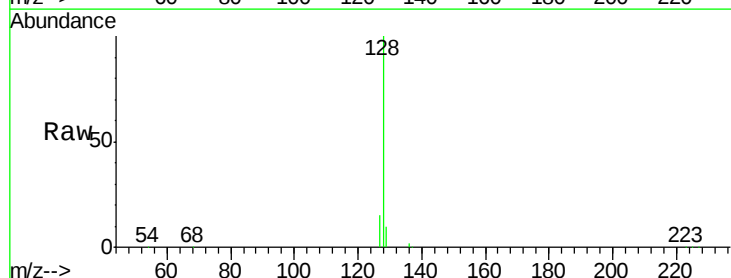
RT: 10.63 min Scan# 514

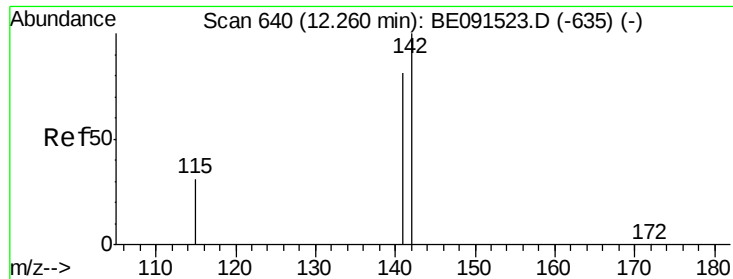
Delta R.T. -0.02 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

Tgt Ion	128	Resp	150704
Ion Ratio	Lower	Upper	
128	100		
129	9.9	8.2	12.2
127	14.8	11.8	17.8





#9

2-Methylnaphthalene

Concen: 4.61 ng

RT: 12.25 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

Instrument :

BNA_E

ClientSampleId :

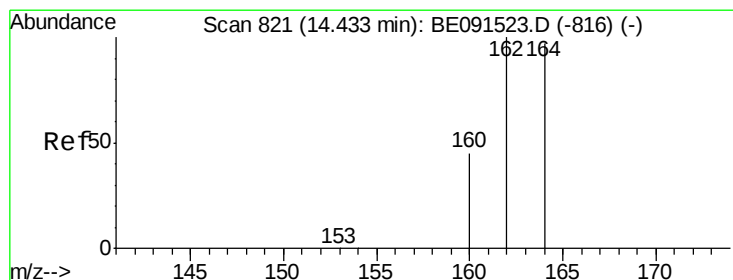
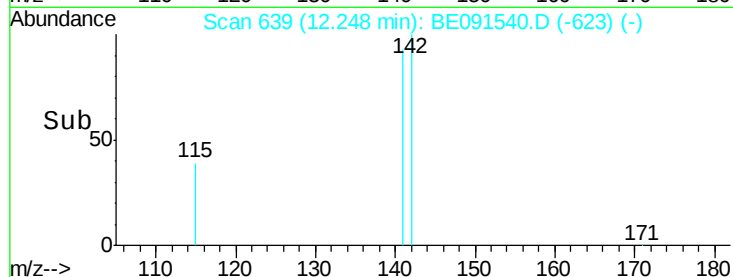
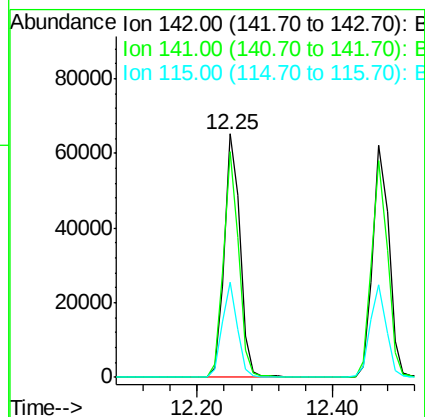
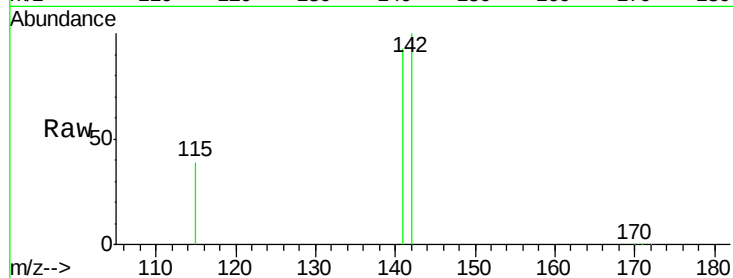
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	66.9	100.3
115	38.9	25.1	37.7



#10

Acenaphthene-d10

Concen: 5.00 ng

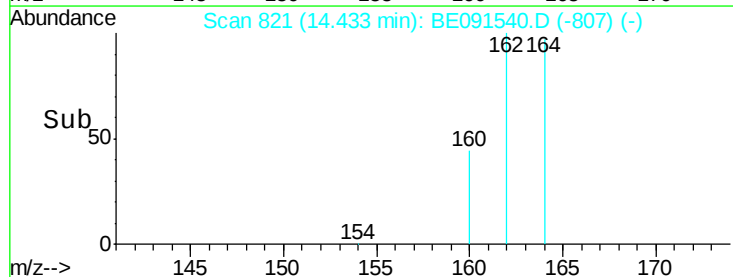
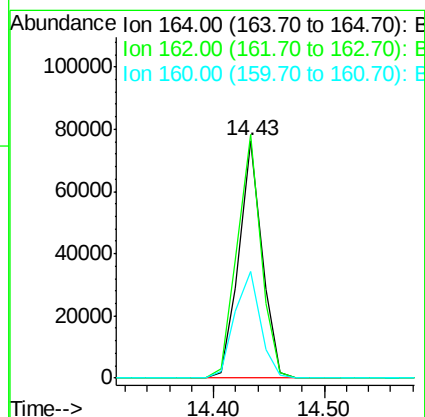
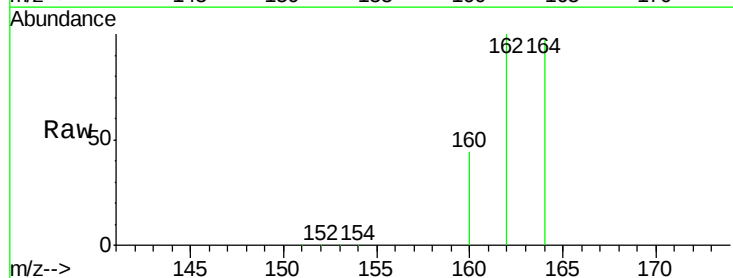
RT: 14.43 min Scan# 821

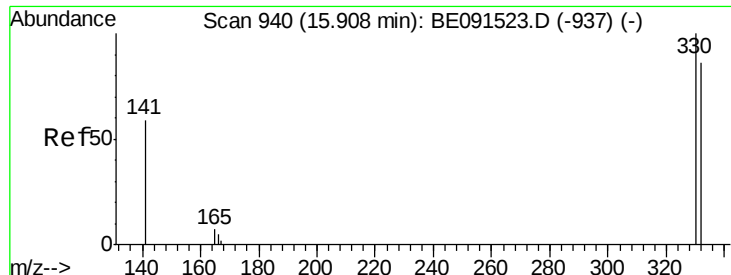
Delta R.T. -0.01 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

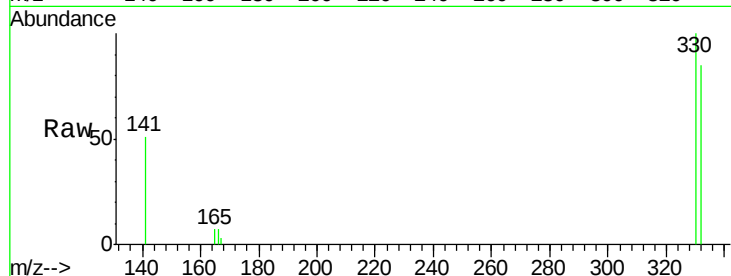
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	84.4	126.6
160	45.2	37.7	56.5





#11
 2,4,6-Tribromophenol
 Concen: 16.13 ng
 RT: 15.91 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: BE091540.D
 Acq: 28 Mar 2016 15:22

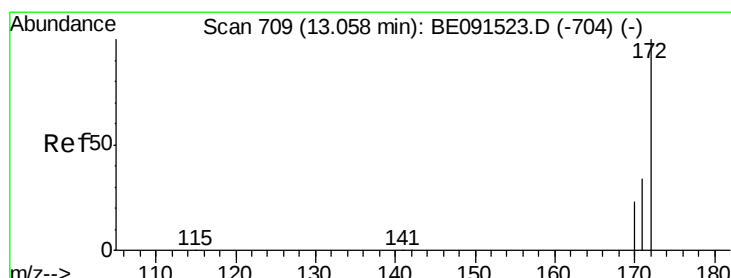
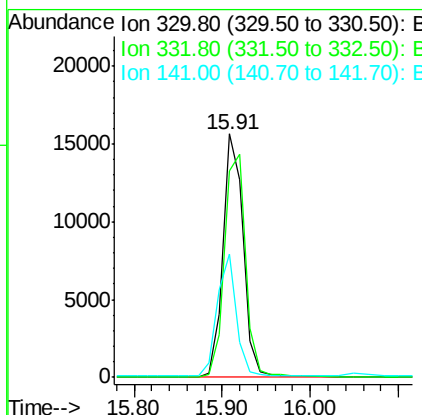
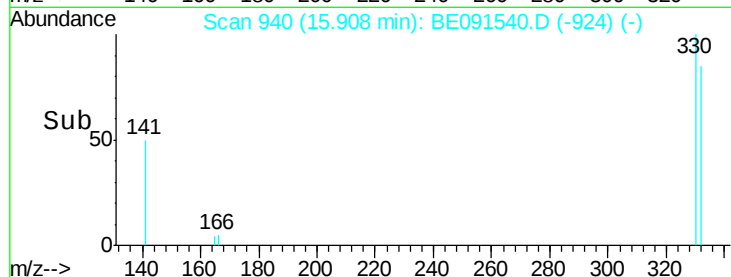
Instrument :
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 PB88878BS



Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.2	118.8
141	38.7	28.1	42.1

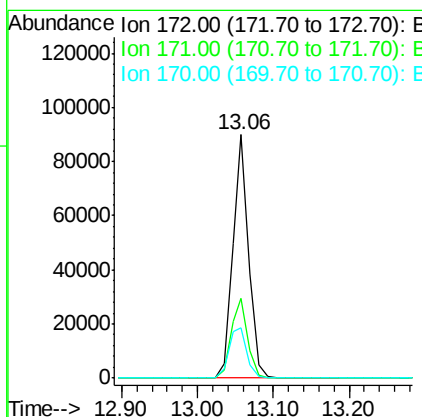
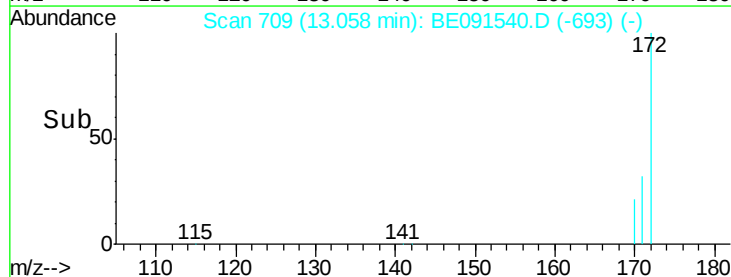
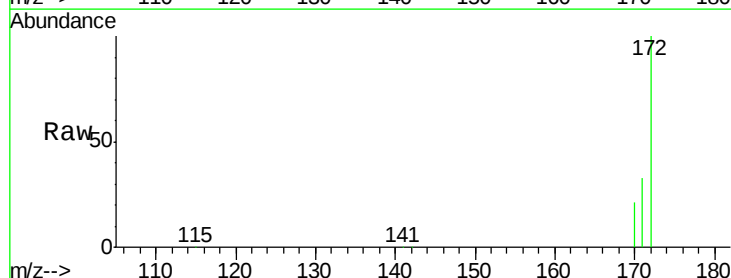
Manual Integrations
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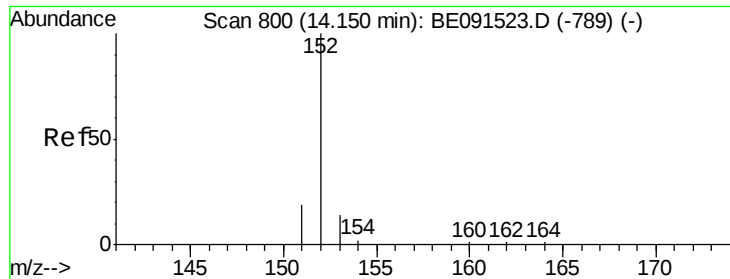
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#12
 2-Fluorobiphenyl
 Concen: 4.22 ng
 RT: 13.06 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BE091540.D
 Acq: 28 Mar 2016 15:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.6	29.8	44.8
170	20.7	21.4	32.2#





#13

Acenaphthylene

Concen: 4.75 ng

RT: 14.15 min Scan# 800

Delta R.T. 0.00 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

Instrument :

BNA_E

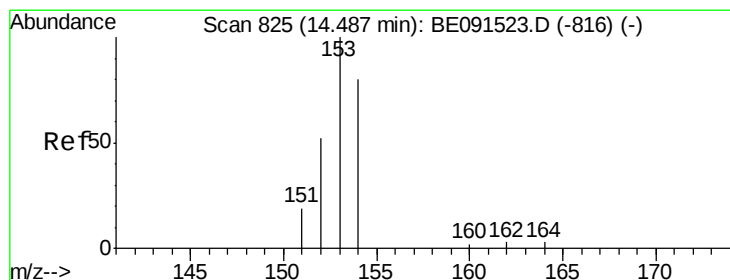
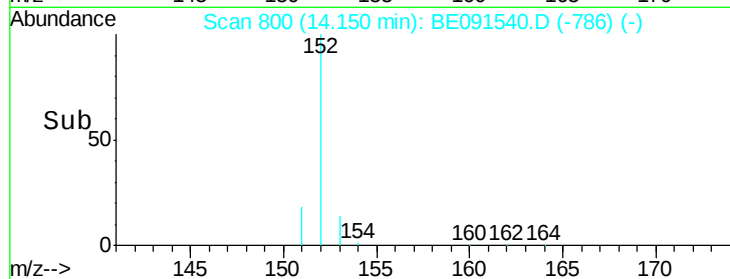
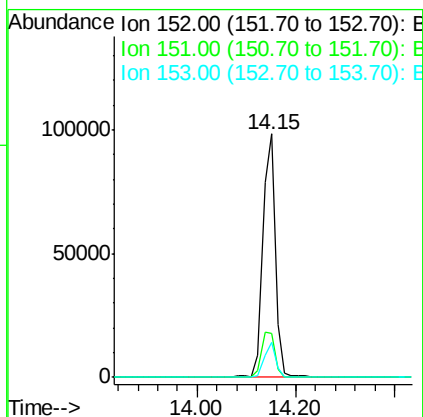
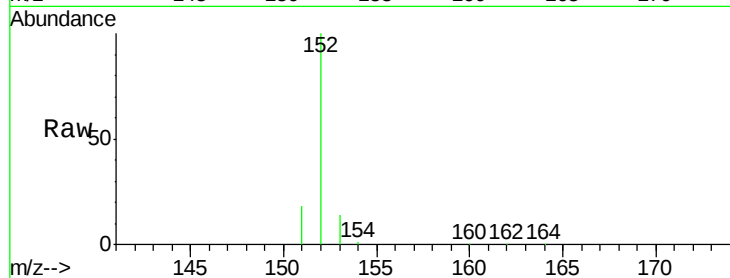
ClientSampleId :

PB88878BS

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	184851		
151	18.5	16.3	24.5	
153	13.7	11.1	16.7	

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#14

Acenaphthene

Concen: 4.46 ng

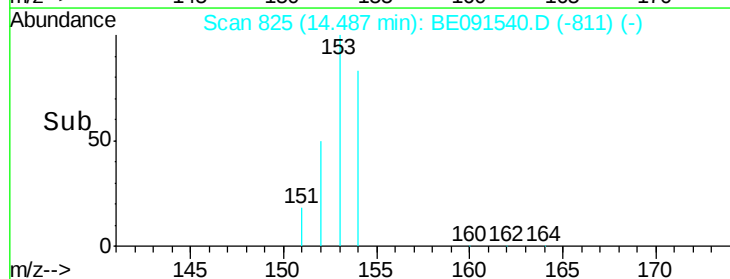
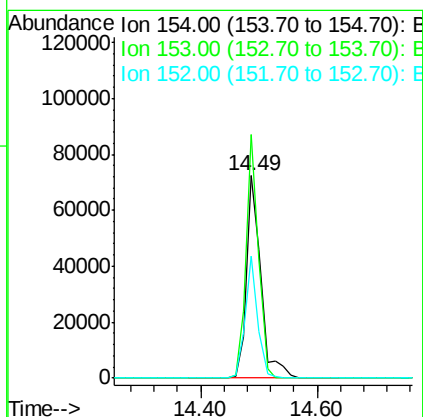
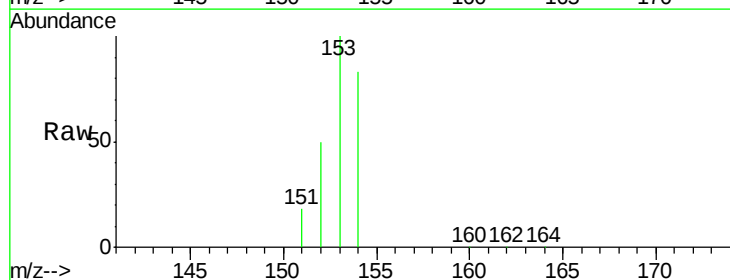
RT: 14.49 min Scan# 825

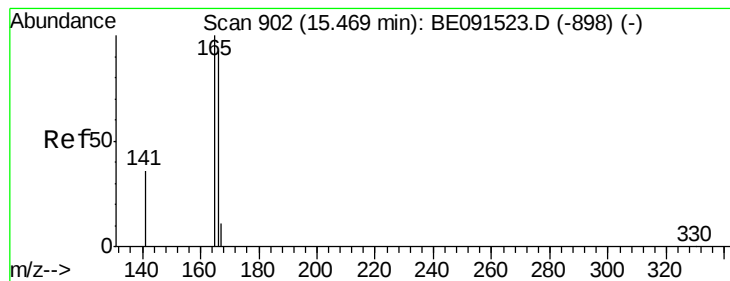
Delta R.T. -0.01 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	122517		
153	104.1	87.3	130.9	
152	51.7	42.9	64.3	





#15

Fluorene

Concen: 4.51 ng

RT: 15.47 min Scan# 902

Delta R.T. -0.01 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

Instrument :

BNA_E

ClientSampleId :

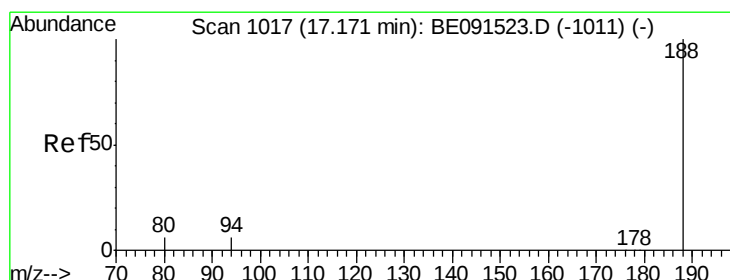
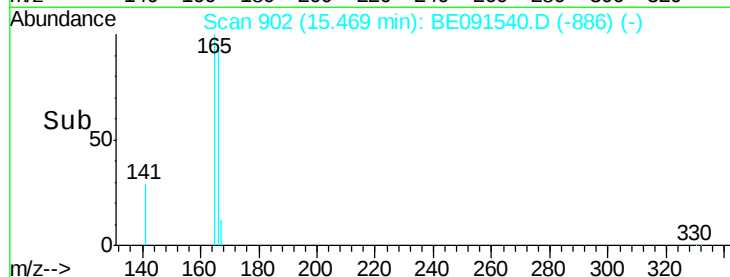
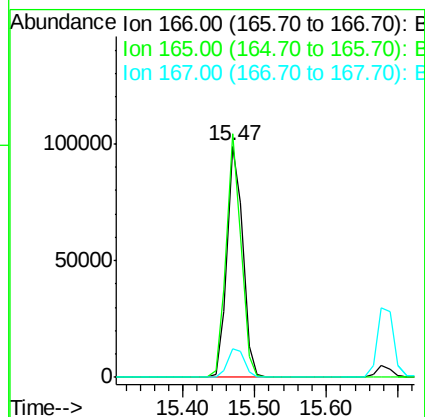
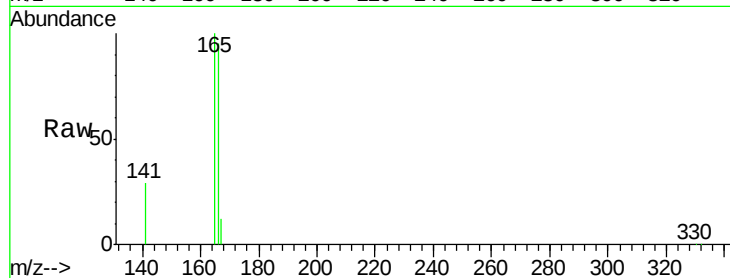
PB88878BS

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Tgt Ion:	166	Resp:	151356
Ion Ratio	Lower	Upper	
166	100		
165	99.1	79.2	118.8
167	13.4	10.8	16.2



#16

Phenanthrene-d10

Concen: 5.00 ng

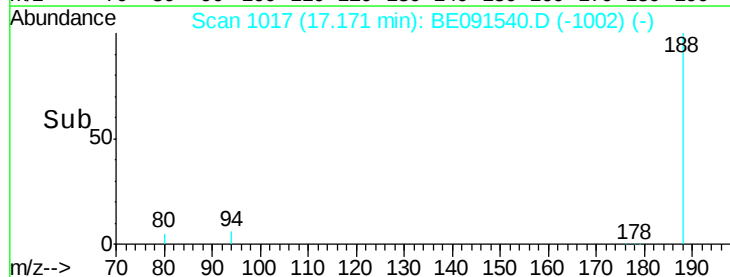
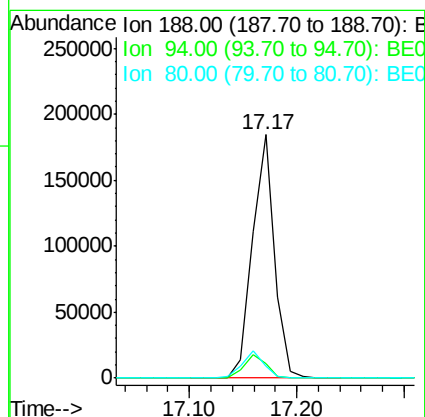
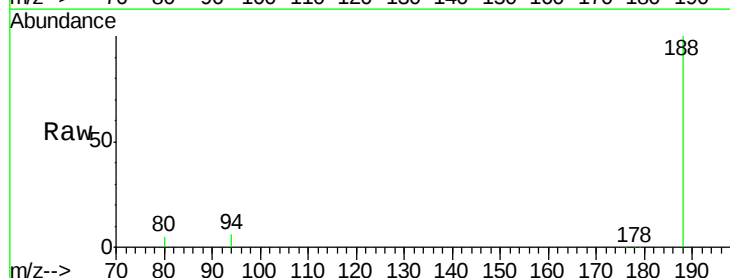
RT: 17.17 min Scan# 1017

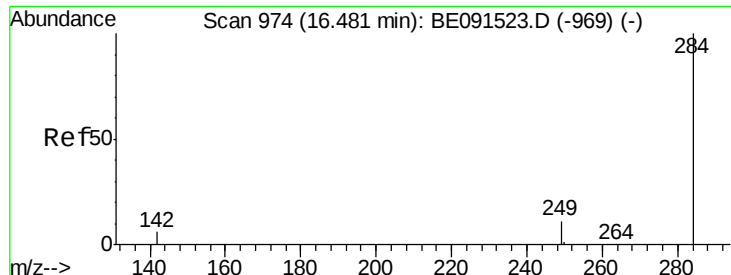
Delta R.T. -0.00 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

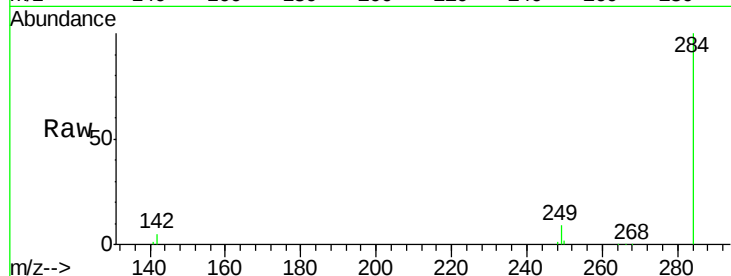
Tgt Ion:	188	Resp:	262925
Ion Ratio	Lower	Upper	
188	100		
94	5.8	5.4	8.2
80	5.1	5.0	7.4





#17
Hexachlorobenzene
Concen: 4.58 ng
RT: 16.48 min Scan# 974
Delta R.T. -0.00 min
Lab File: BE091540.D
Acq: 28 Mar 2016 15:22

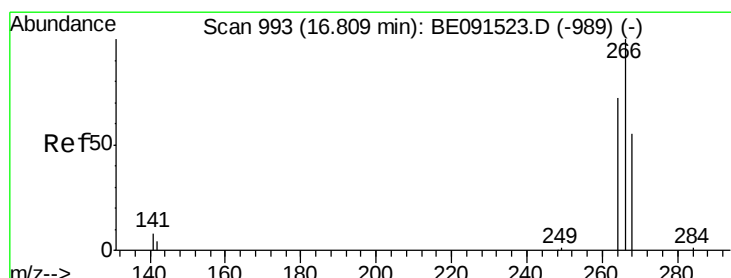
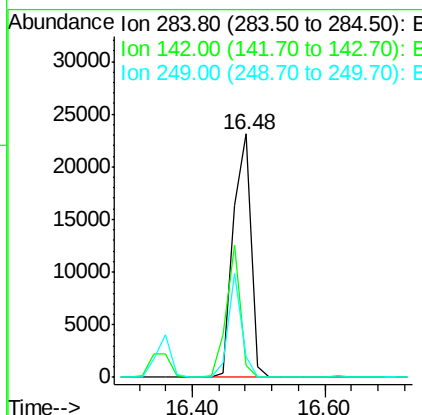
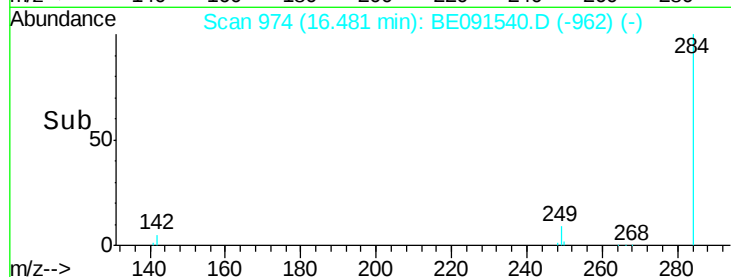
Instrument :
BNA_E
ClientSampleId :
PB88878BS



Tgt Ion: 284 Resp: 42236
Ion Ratio Lower Upper
284 100
142 43.3 31.0 46.4
249 32.5 25.8 38.8

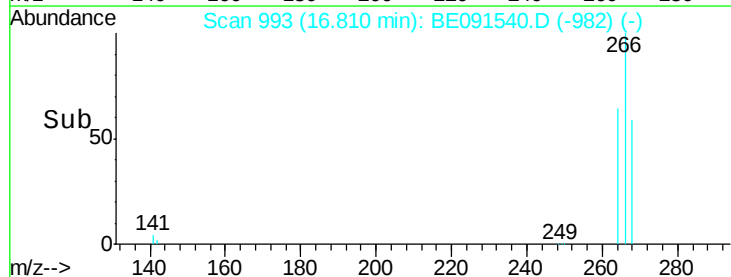
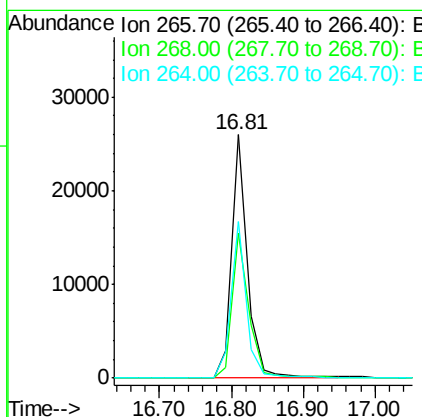
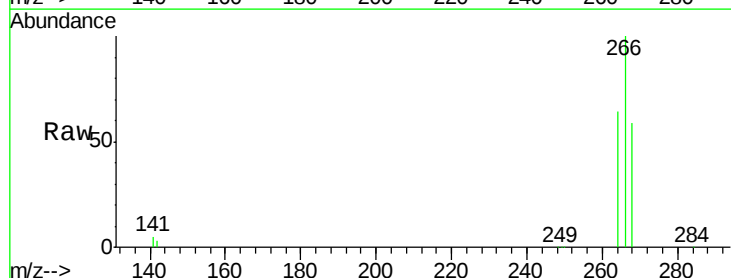
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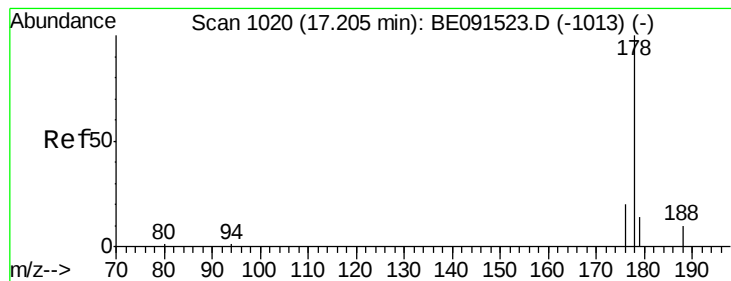
Sohil
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#18
Pentachlorophenol
Concen: 11.20 ng
RT: 16.81 min Scan# 993
Delta R.T. -0.02 min
Lab File: BE091540.D
Acq: 28 Mar 2016 15:22

Tgt Ion: 266 Resp: 38672
Ion Ratio Lower Upper
266 100
268 59.4 48.2 72.2
264 64.2 52.1 78.1





#19

Phenanthrene

Concen: 4.47 ng

RT: 17.21 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

Instrument :

BNA_E

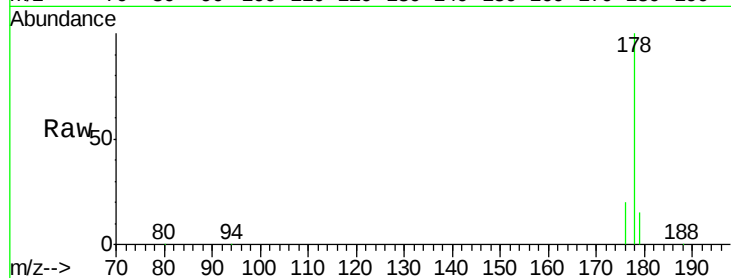
ClientSampleId :

PB88878BS

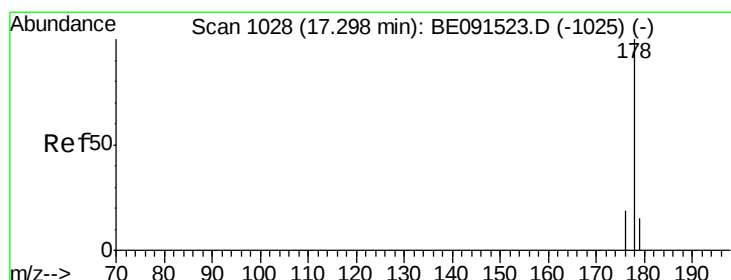
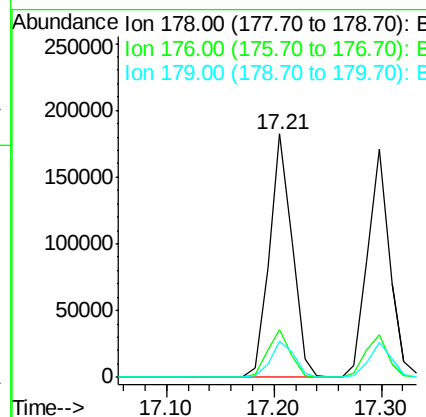
Manual Integrations
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Tgt Ion	178	176	179
Ratio	100	19.7	15.5
Resp Lower		15.5	13.1
Upper		23.3	19.7



#20

Anthracene

Concen: 4.95 ng

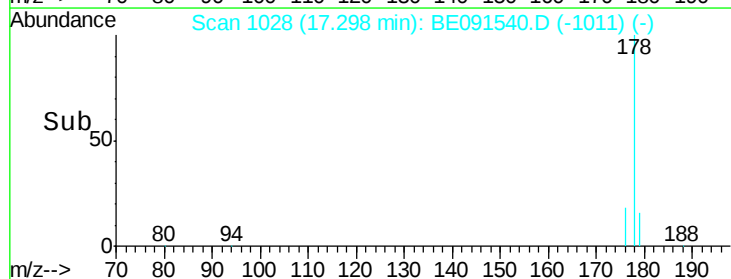
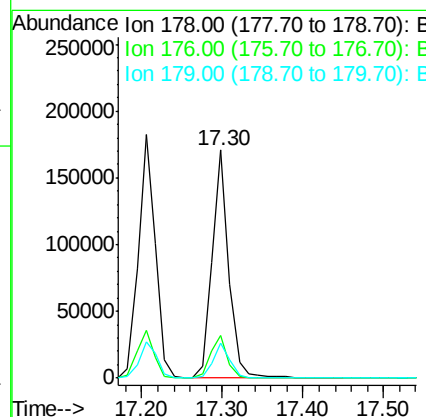
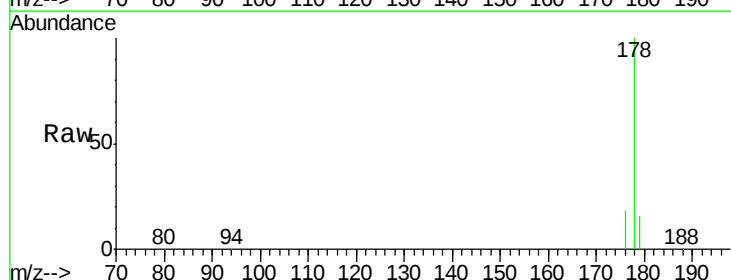
RT: 17.30 min Scan# 1028

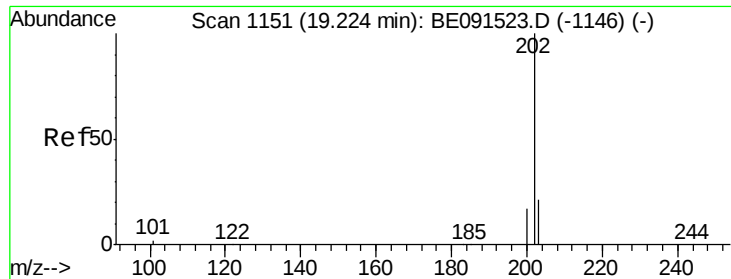
Delta R.T. -0.00 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

Tgt Ion	178	176	179
Ratio	100	19.1	15.7
Resp Lower		14.9	12.2
Upper		22.3	18.4





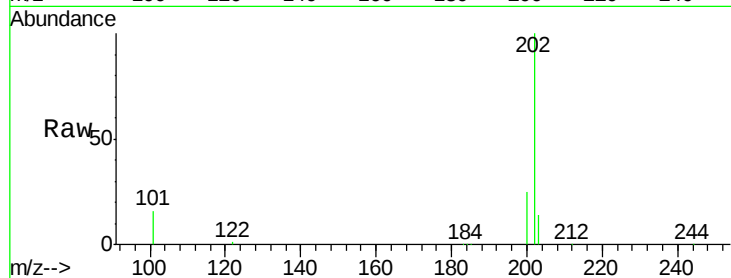
#21
Fluoranthene
Concen: 5.09 ng
RT: 19.21 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BE091540.D
Acq: 28 Mar 2016 15:22

Instrument :
BNA_E
ClientSampleId :
PB88878BS

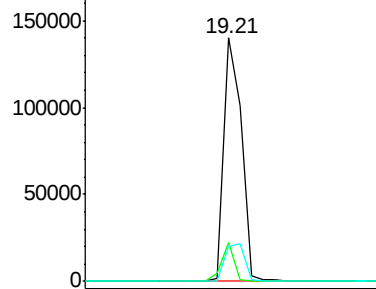
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.5	8.3	12.5
203	17.4	13.9	20.9

Manual Integrations
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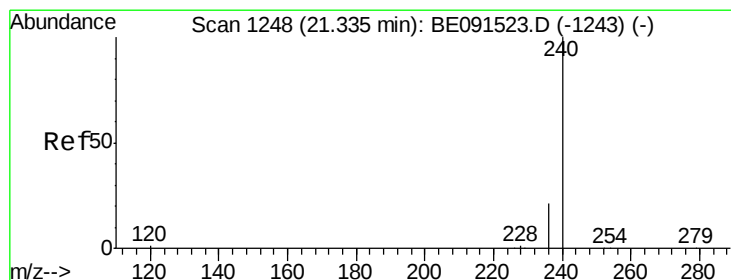
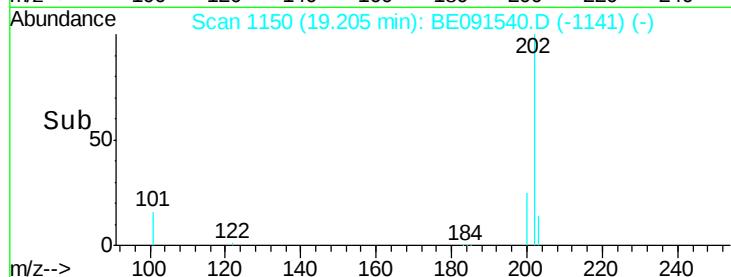
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

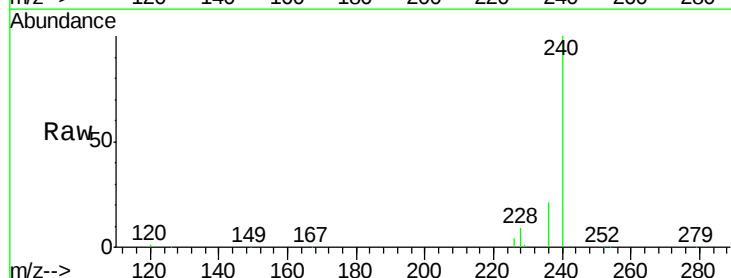


Time-->

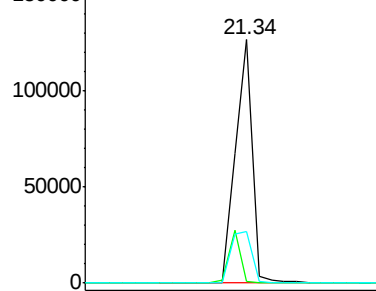


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091540.D
Acq: 28 Mar 2016 15:22

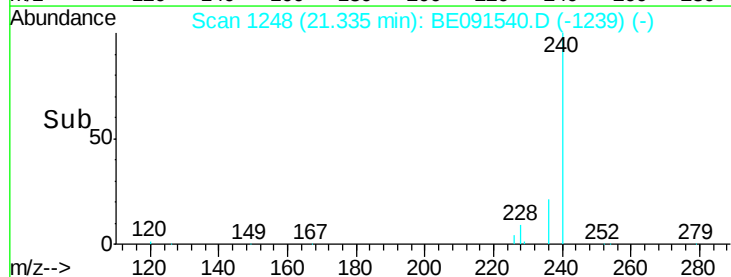
Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	0.9	4.0	6.0#
236	21.2	23.0	34.4#

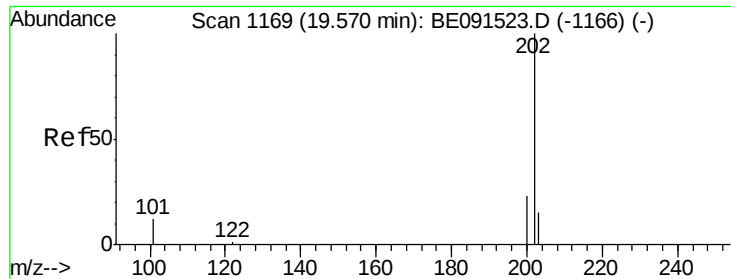


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





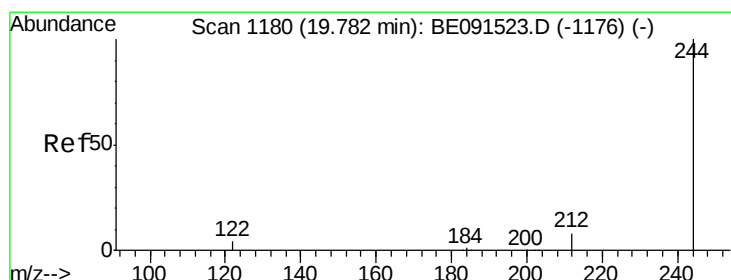
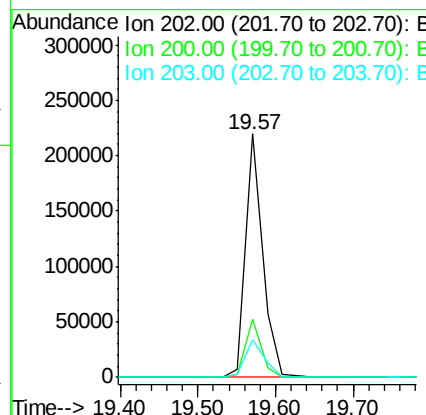
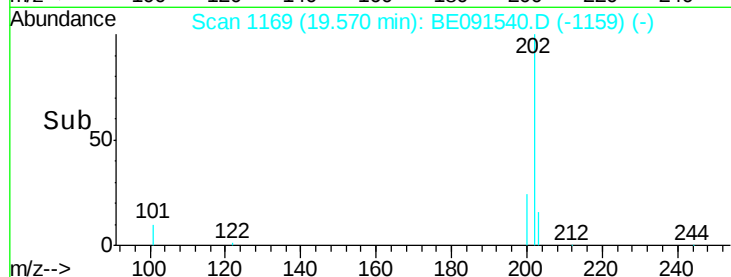
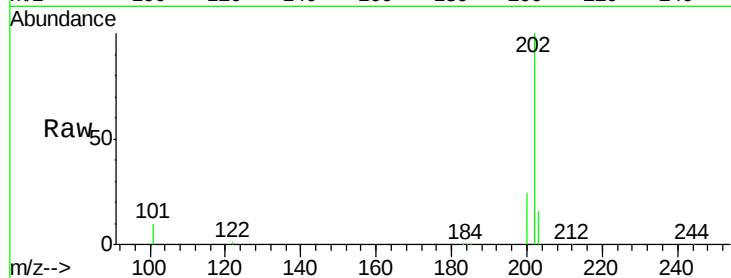
#23
 Pyrene
 Concen: 5.06 ng
 RT: 19.57 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BE091540.D
 Acq: 28 Mar 2016 15:22

Instrument :
 BNA_E
 ClientSampleId :
 PB88878BS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	331980		
200	22.2	16.4	24.6	
203	17.6	14.6	21.8	

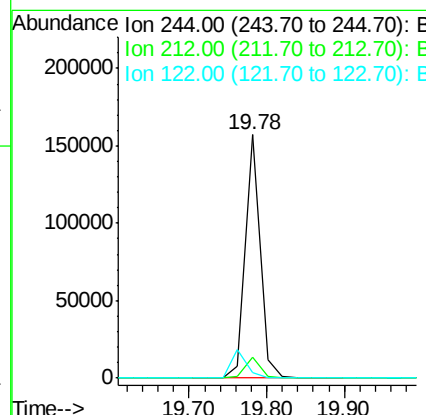
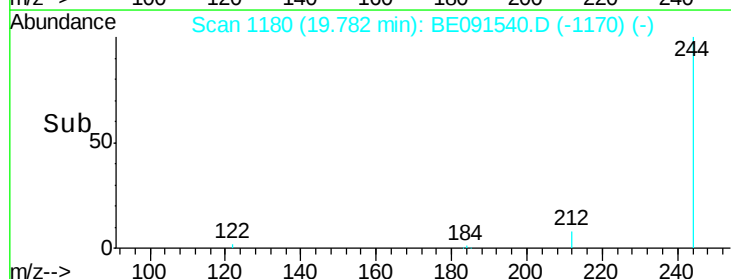
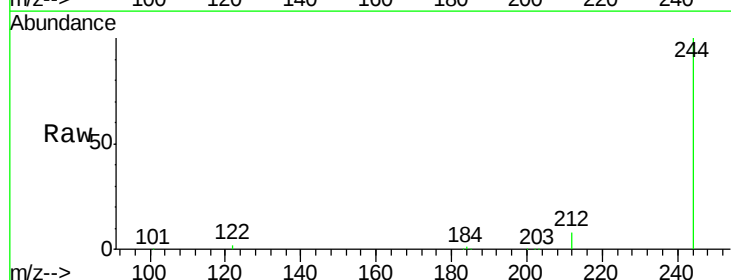
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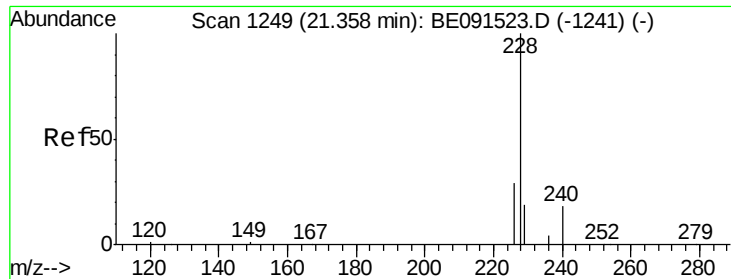
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#24
 Terphenyl-d14
 Concen: 4.52 ng
 RT: 19.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BE091540.D
 Acq: 28 Mar 2016 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	206323		
212	8.4	5.8	8.8	
122	2.5	1.8	2.8	





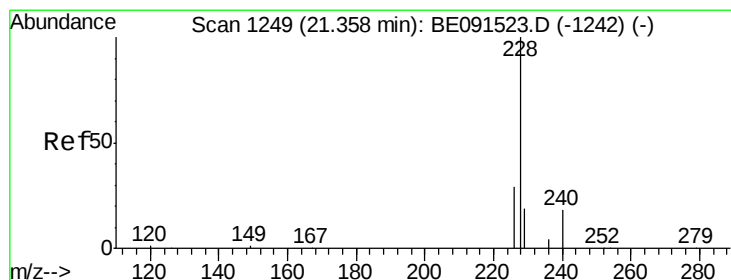
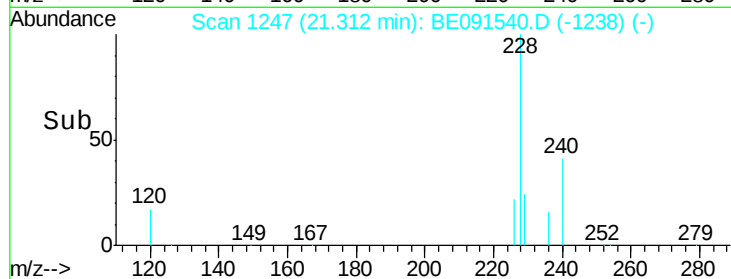
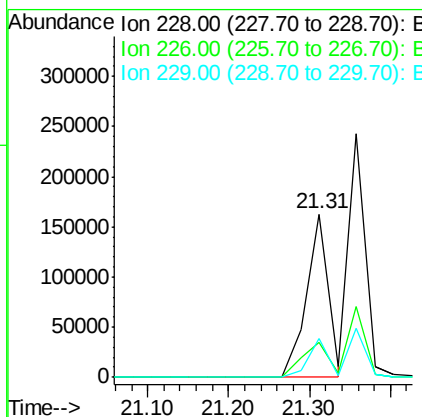
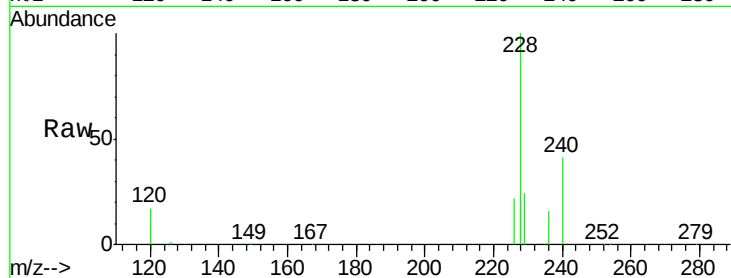
#25
Benzo(a)anthracene
Concen: 4.78 ng
RT: 21.31 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091540.D
Acq: 28 Mar 2016 15:22

Instrument :
BNA_E
ClientSampleId :
PB88878BS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	21.7	24.0	36.0#
229	23.6	13.8	20.6#

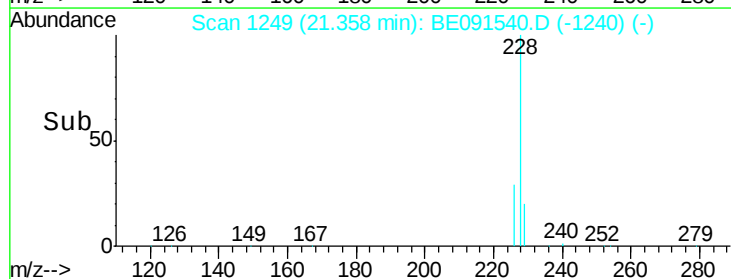
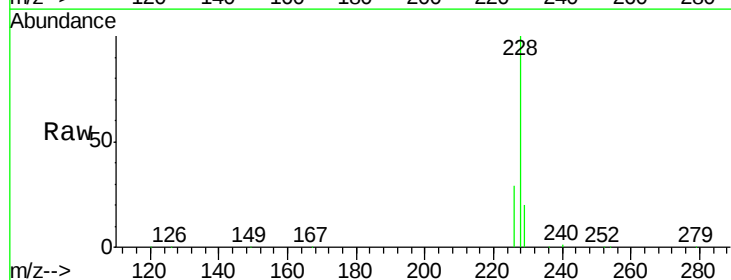
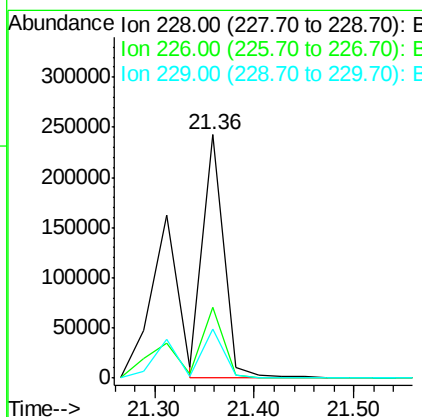
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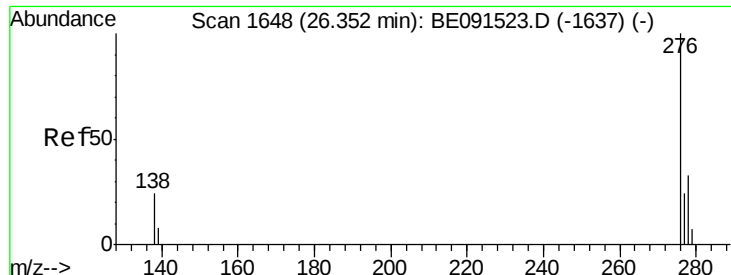
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#26
Chrysene
Concen: 4.26 ng m
RT: 21.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091540.D
Acq: 28 Mar 2016 15:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	18.9	28.3#
229	20.2	19.1	28.7





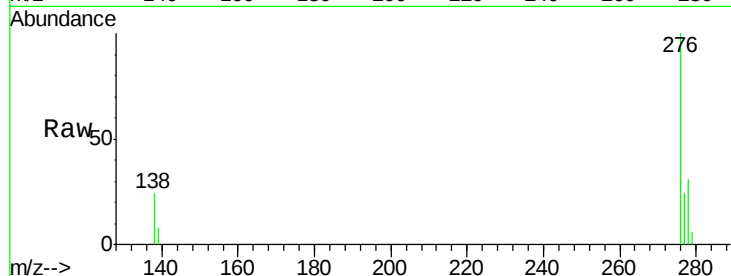
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 5.28 ng
 RT: 26.35 min Scan# 1648
 Delta R.T. -0.02 min
 Lab File: BE091540.D
 Acq: 28 Mar 2016 15:22

Instrument :
 BNA_E
 ClientSampleId :
 PB88878BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.9	20.2	30.4
277	24.8	19.8	29.8

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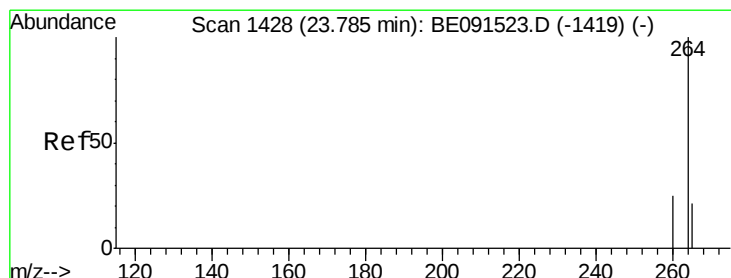
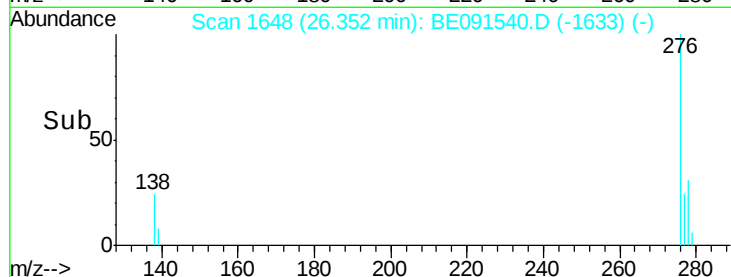
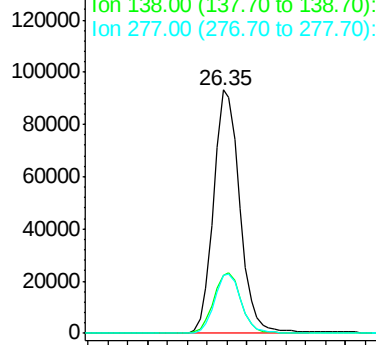


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.78 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BE091540.D
 Acq: 28 Mar 2016 15:22

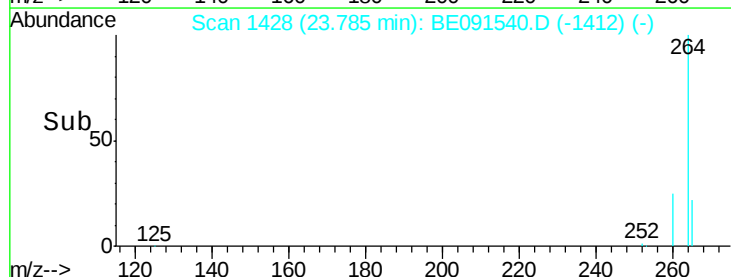
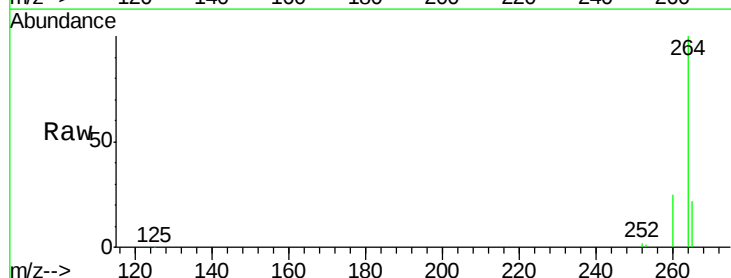
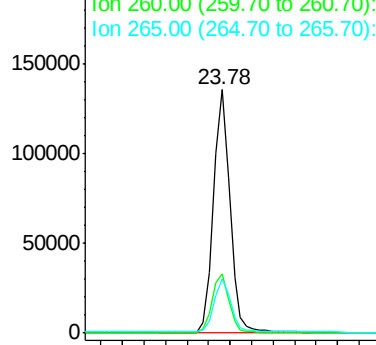
Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.6	20.1	30.1
265	22.2	18.3	27.5

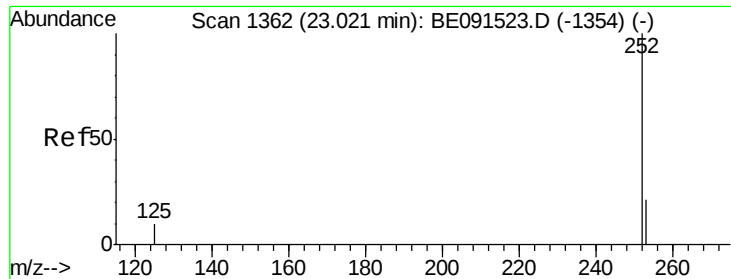
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#29

Benzo(b)fluoranthene

Concen: 4.83 ng

RT: 23.02 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BE091540.D

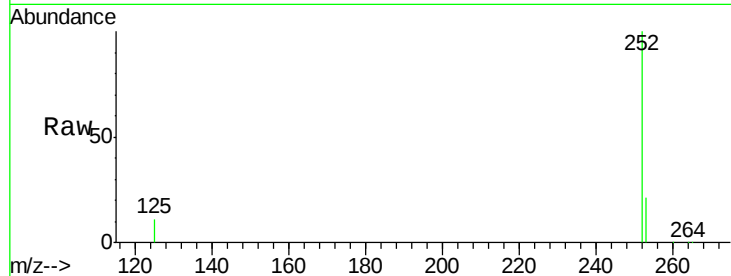
Acq: 28 Mar 2016 15:22

Instrument :

BNA_E

ClientSampleId :

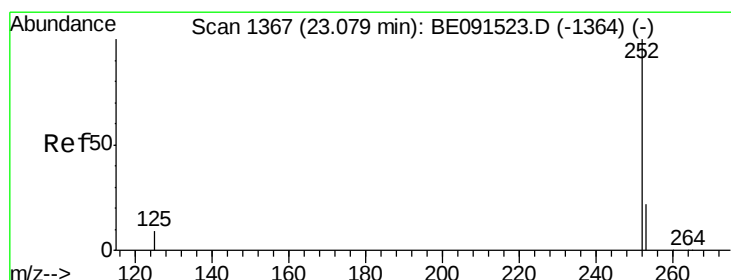
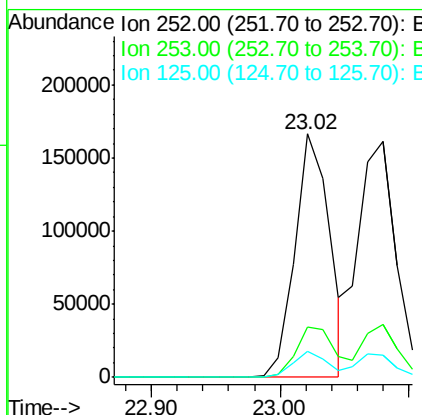
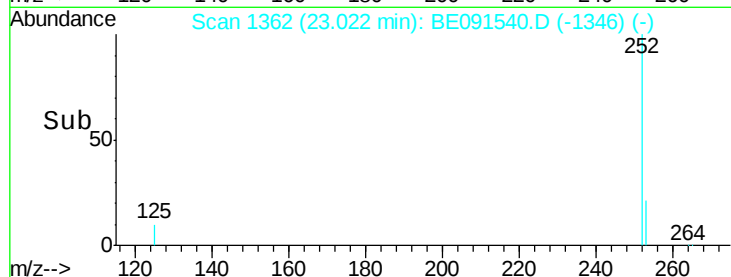
PB88878BS



Tgt Ion:	252	Resp:	310324
Ion Ratio	Lower	Upper	
252	100		
253	20.8	18.7	28.1
125	10.5	9.8	14.6

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#30

Benzo(k)fluoranthene

Concen: 5.31 ng m

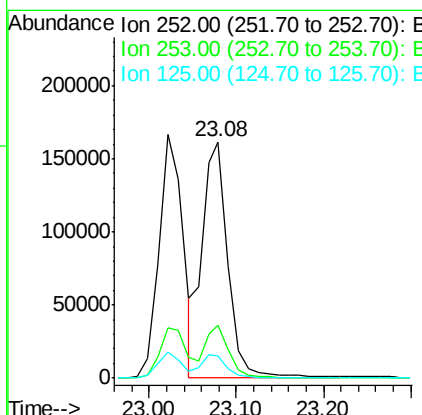
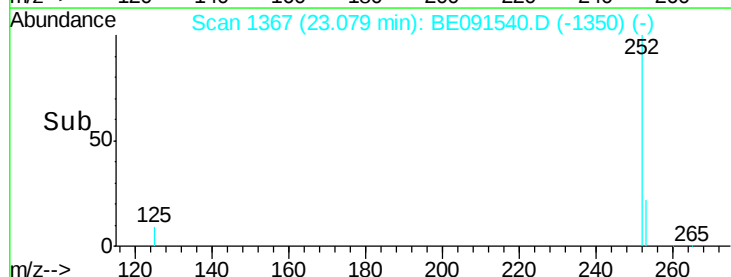
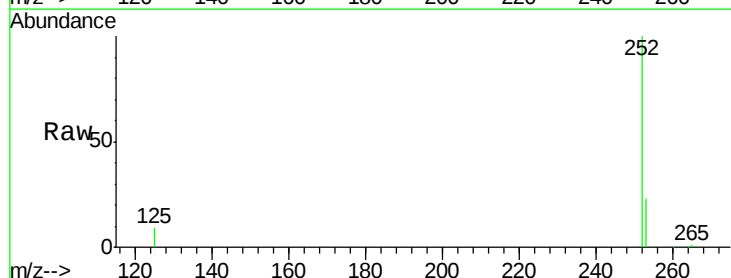
RT: 23.08 min Scan# 1367

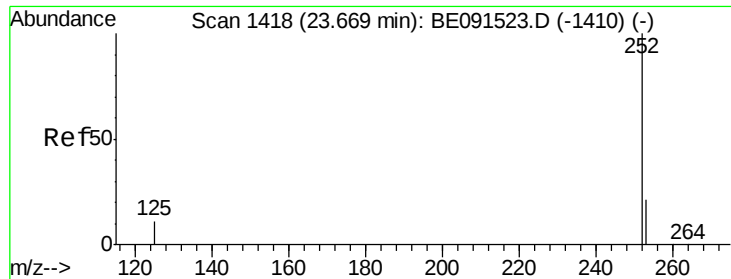
Delta R.T. 0.00 min

Lab File: BE091540.D

Acq: 28 Mar 2016 15:22

Tgt Ion:	252	Resp:	339535
Ion Ratio	Lower	Upper	
252	100		
253	22.5	20.2	30.4
125	9.4	9.4	14.2#





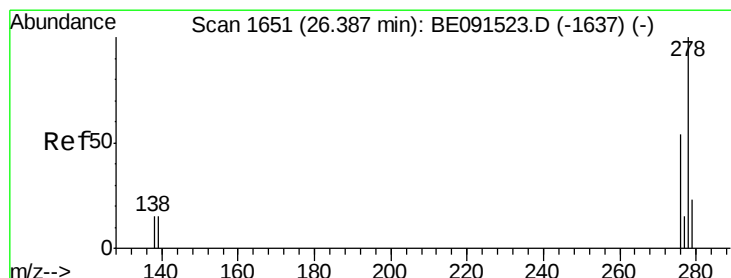
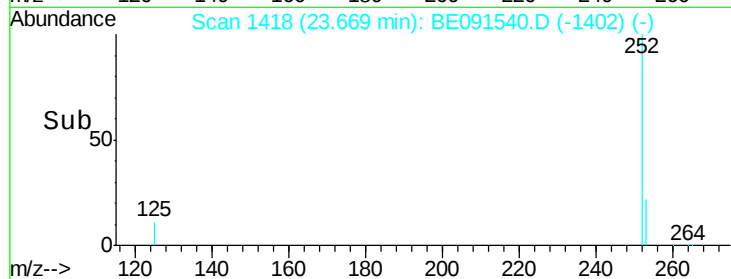
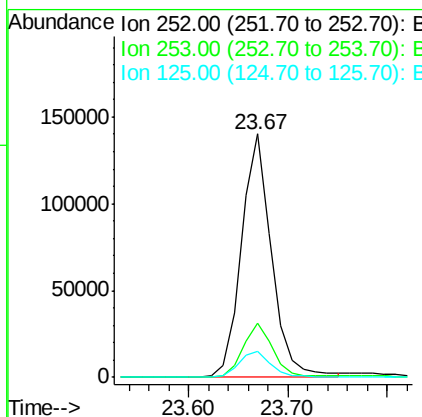
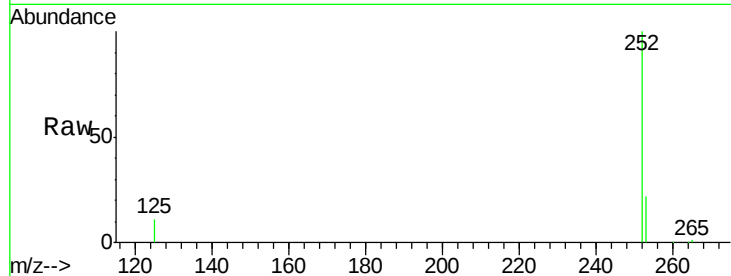
#31
Benzo(a)pyrene
Concen: 4.54 ng
RT: 23.67 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BE091540.D
Acq: 28 Mar 2016 15:22

Instrument :
BNA_E
ClientSampleId :
PB88878BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.2	19.4	29.0
125	10.8	11.4	17.2

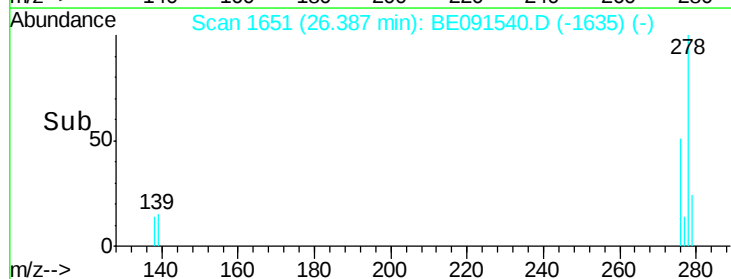
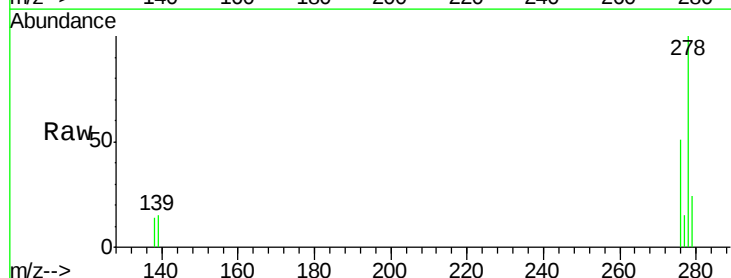
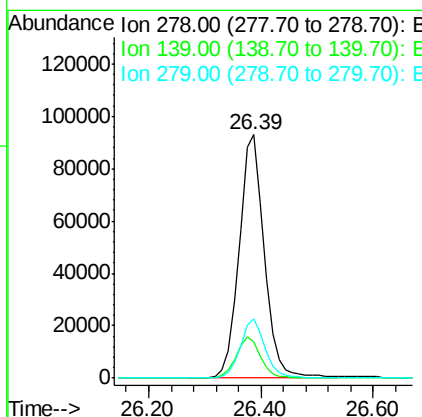
Manual Integrations
APPROVED

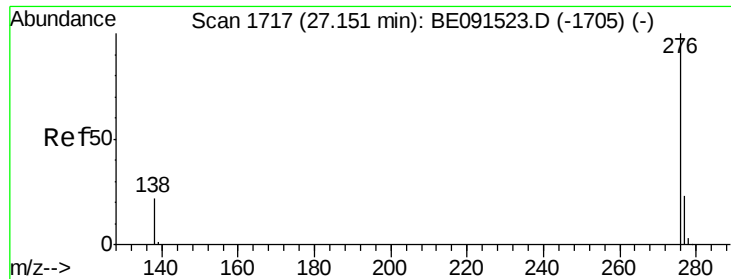
Sohil
3/29/2016 5:05:44 PM



#32
Dibenzo(a,h)anthracene
Concen: 5.15 ng
RT: 26.39 min Scan# 1651
Delta R.T. -0.01 min
Lab File: BE091540.D
Acq: 28 Mar 2016 15:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	14.8	14.2	21.4
279	24.4	19.6	29.4





#33

Benzo(g,h,i)perylene

Concen: 4.97 ng

RT: 27.15 min Scan# 1717

Delta R.T. -0.01 min

Lab File: BE091540.D

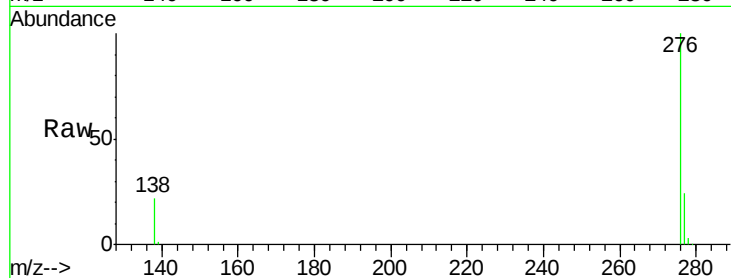
Acq: 28 Mar 2016 15:22

Instrument :

BNA_E

ClientSampleId :

PB88878BS



Tgt Ion: 276 Resp: 295638

Ion Ratio Lower Upper

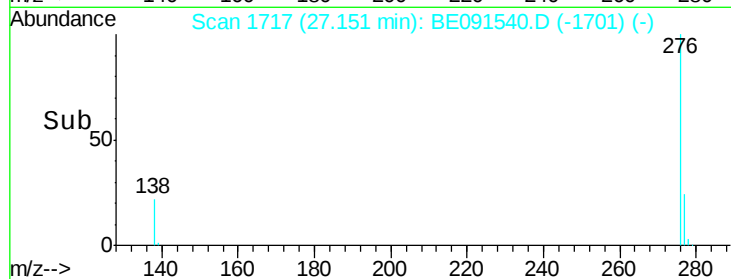
276 100

277 23.8 19.4 29.2

138 22.1 18.2 27.4

Manual Integrations
APPROVED

Sohil
3/29/2016 5:05:44 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

