

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032216\
 Data File : BE091506.D
 Acq On : 22 Mar 2016 16:29
 Operator : UM/SJ
 Sample : PB88982BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB88982BS

Manual Integrations
 APPROVED

Sohil
 3/23/2016 4:29:02 PM

Quant Time: Mar 23 02:17:45 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 23 02:10:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	56684	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	238048	5.00	ng	0.00
10) Acenaphthene-d10	14.43	164	119301	5.00	ng	-0.01
16) Phenanthrene-d10	17.17	188	280828	5.00	ng	0.00
22) Chrysene-d12	21.34	240	364471	5.00	ng	0.00
28) Perylene-d12	23.79	264	379721	5.00	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	110901	8.51	ng	-0.01
5) Phenol-d6	6.97	99	145494	8.56	ng	-0.02
7) Nitrobenzene-d5	8.97	82	52136	4.04	ng	-0.01
11) 2,4,6-Tribromophenol	15.92	330	30134	6.88	ng	0.00
12) 2-Fluorobiphenyl	13.06	172	151097	5.03	ng	-0.01
24) Terphenyl-d14	19.78	244	205004	4.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.37	88	23528	3.33	ng	# 72
3) n-Nitrosodimethylamine	3.64	42	38096	3.79	ng	# 96
8) Naphthalene	10.65	128	196386	3.38	ng	# 94
9) 2-Methylnaphthalene	12.25	142	129455	3.46	ng	# 84
13) Acenaphthylene	14.15	152	192789	3.23	ng	97
14) Acenaphthene	14.50	154	128999	3.51	ng	98
15) Fluorene	15.48	166	154235	3.32	ng	100
17) Hexachlorobenzene	16.48	284	43267	3.54	ng	97
18) Pentachlorophenol	16.81	266	41018	6.36	ng	93
19) Phenanthrene	17.21	178	268449	3.35	ng	99
20) Anthracene	17.30	178	249790	3.55	ng	99
21) Fluoranthene	19.22	202	275302	2.99	ng	98
23) Pyrene	19.57	202	305700	3.37	ng	98
25) Benzo(a)anthracene	21.31	228	373090	3.72	ng	# 90
26) Chrysene	21.36	228	400501m	4.31	ng	
27) Indeno(1,2,3-cd)pyrene	26.36	276	443542	4.24	ng	99
29) Benzo(b)fluoranthene	23.03	252	401979	3.35	ng	97
30) Benzo(k)fluoranthene	23.08	252	394800	3.22	ng	93
31) Benzo(a)pyrene	23.67	252	363383	3.44	ng	93
32) Dibenzo(a,h)anthracene	26.40	278	373243	3.58	ng	98
33) Benzo(g,h,i)perylene	27.16	276	380099	3.51	ng	99

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

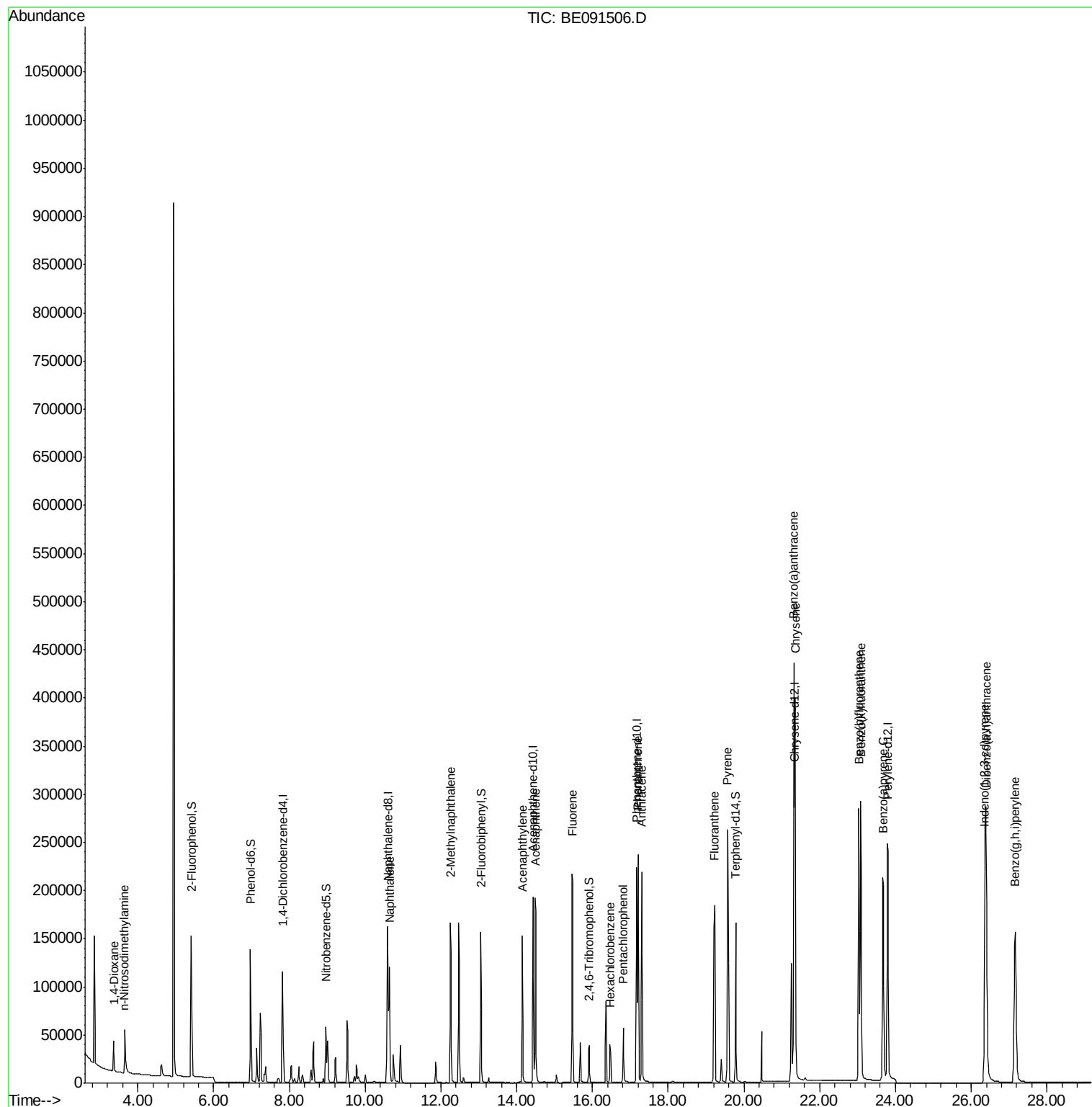
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032216\
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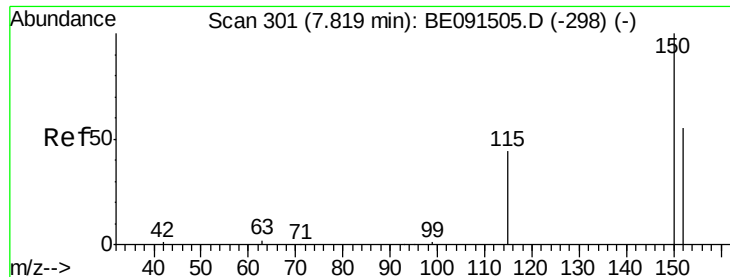
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 23 02:10:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.82 min Scan# 301

Delta R.T. -0.00 min

Lab File: BE091506.D

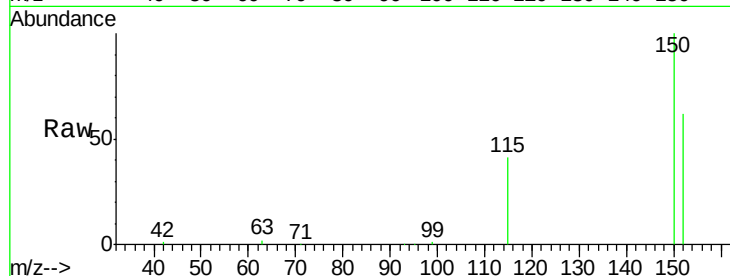
Acq: 22 Mar 2016 16:29

Instrument :

BNA_E

ClientSampleId :

PB88982BS



Tgt Ion:152 Resp: 56684

Ion Ratio Lower Upper

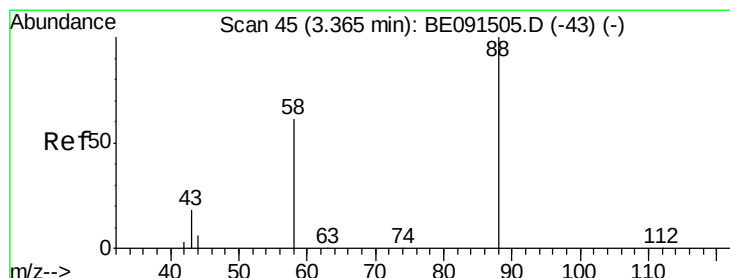
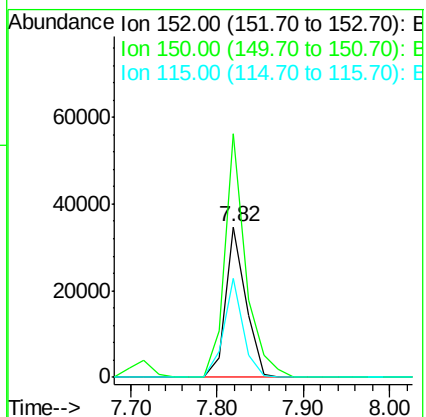
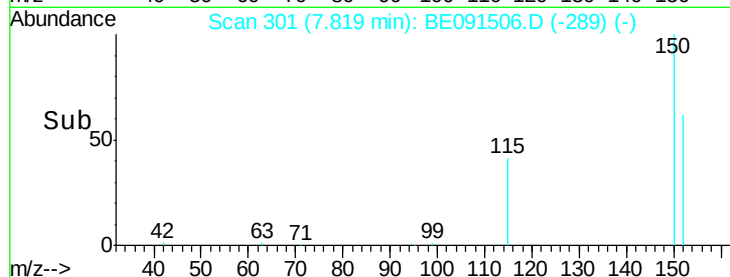
152 100

150 161.7 122.2 183.2

115 65.7 45.9 68.9

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#2

1,4-Dioxane

Concen: 3.33 ng

RT: 3.37 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE091506.D

Acq: 22 Mar 2016 16:29

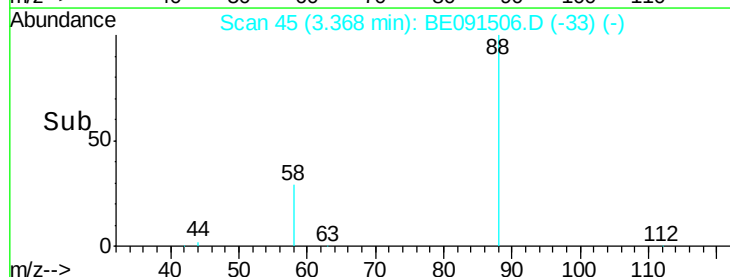
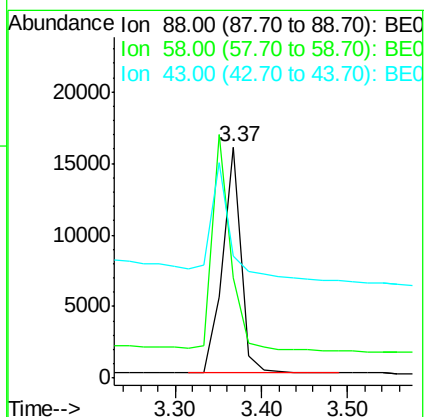
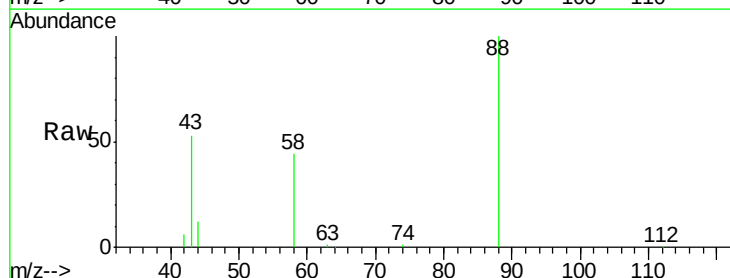
Tgt Ion: 88 Resp: 23528

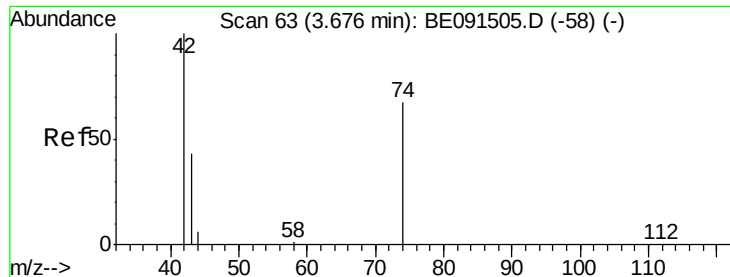
Ion Ratio Lower Upper

88 100

58 95.2 61.0 91.6#

43 54.9 25.4 38.2#





#3

n-Nitrosodimethylamine

Concen: 3.79 ng

RT: 3.64 min Scan# 61

Delta R.T. -0.03 min

Lab File: BE091506.D

Acq: 22 Mar 2016 16:29

Instrument :

BNA_E

ClientSampleId :

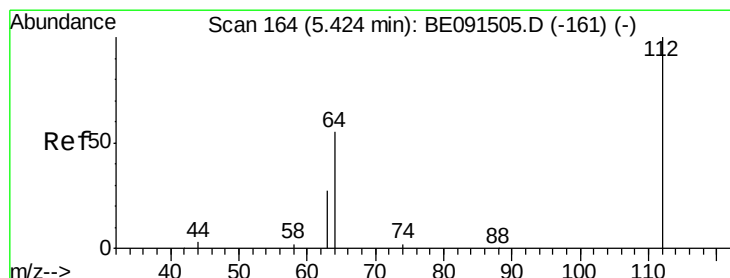
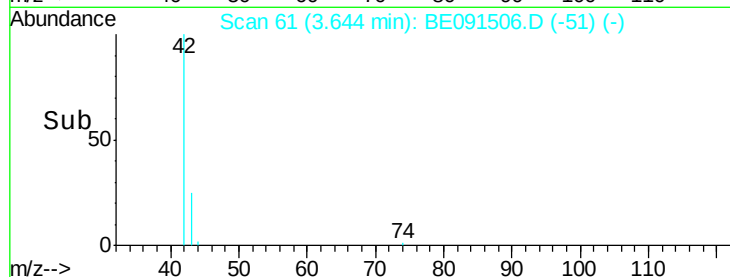
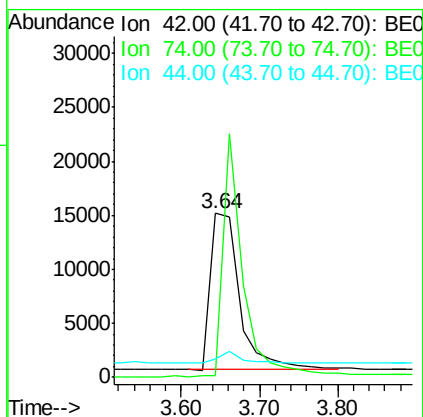
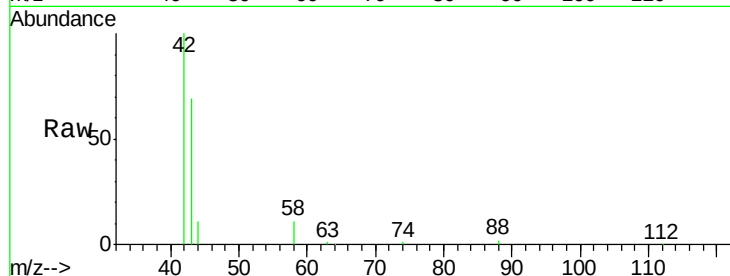
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Tgt Ion	Ratio	Lower	Upper
42	100		
74	101.7	84.3	126.5
44	6.0	6.7	10.1#



#4

2-Fluorophenol

Concen: 8.51 ng

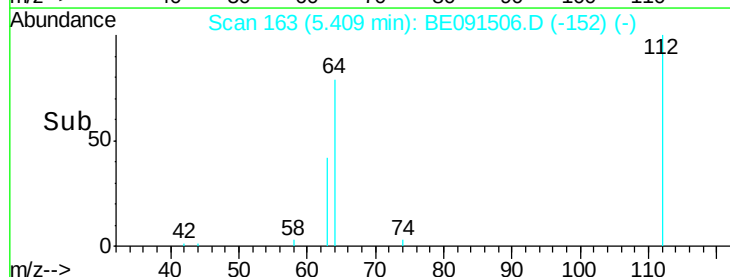
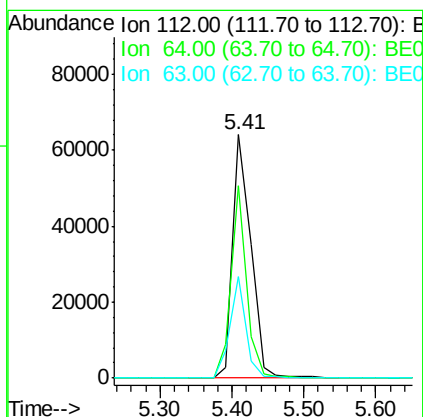
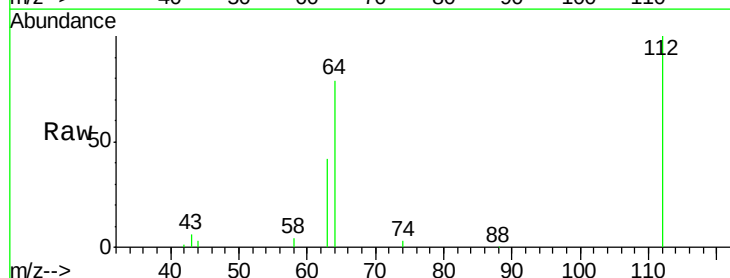
RT: 5.41 min Scan# 163

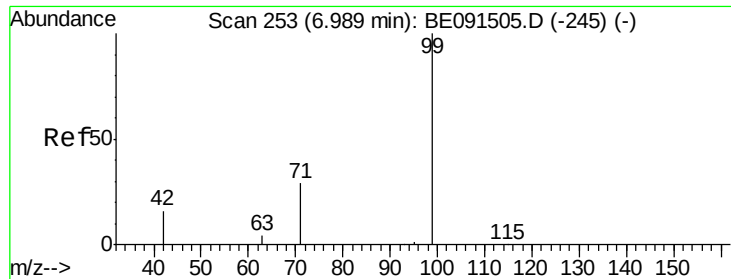
Delta R.T. -0.01 min

Lab File: BE091506.D

Acq: 22 Mar 2016 16:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.3	79.9
63	36.7	29.8	44.8





#5

Phenol-d6

Concen: 8.56 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091506.D

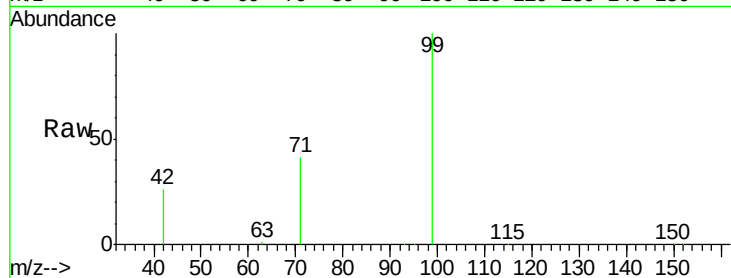
Acq: 22 Mar 2016 16:29

Instrument :

BNA_E

ClientSampleId :

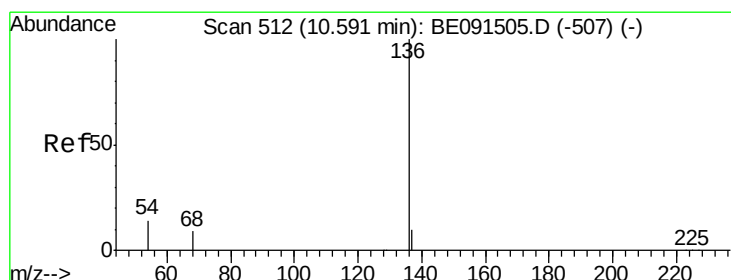
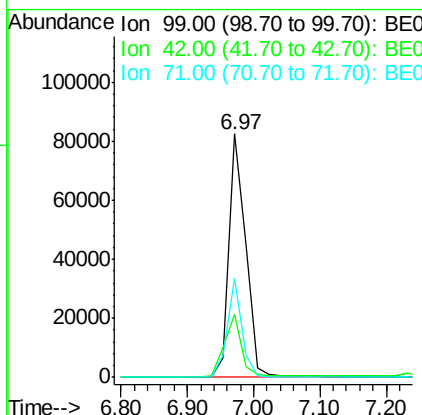
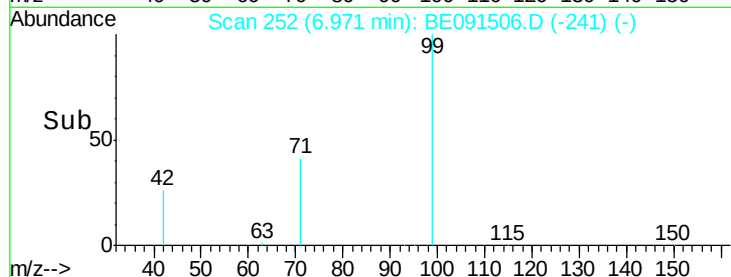
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Tgt Ion:	99	Resp:	145494
Ion Ratio	Lower	Upper	
99	100		
42	25.5	20.6	30.8
71	35.9	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

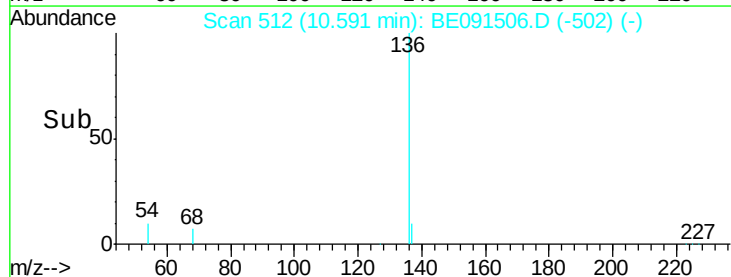
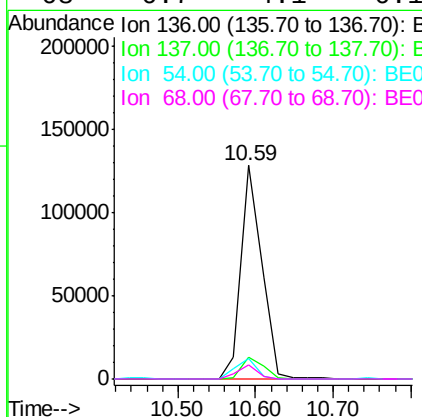
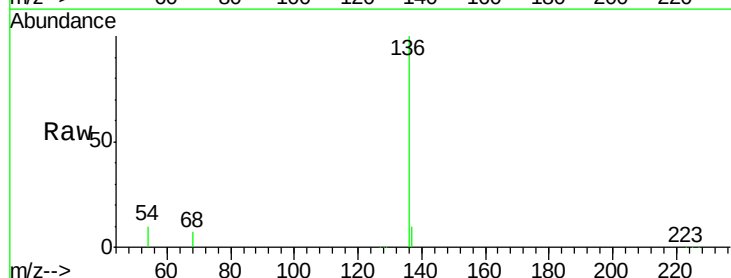
RT: 10.59 min Scan# 512

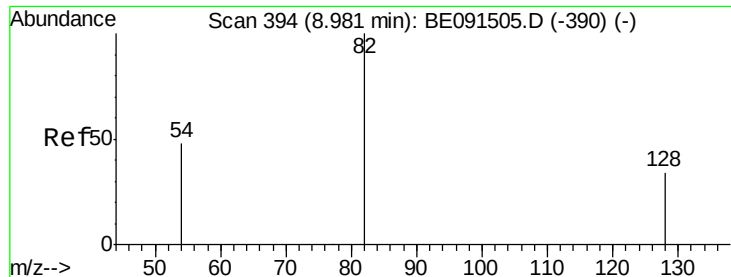
Delta R.T. -0.00 min

Lab File: BE091506.D

Acq: 22 Mar 2016 16:29

Tgt Ion:	136	Resp:	238048
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.8	13.2
54	9.8	5.2	7.8#
68	6.7	4.1	6.1#





#7

Nitrobenzene-d5

Concen: 4.04 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE091506.D

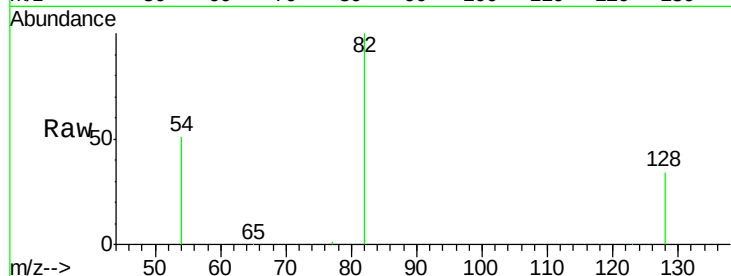
Acq: 22 Mar 2016 16:29

Instrument :

BNA_E

ClientSampleId :

PB88982BS



Tgt Ion: 82 Resp: 52136

Ion Ratio Lower Upper

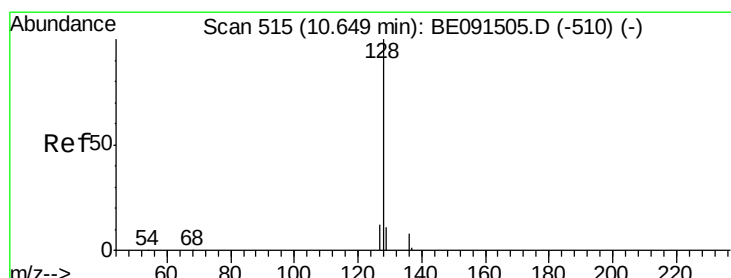
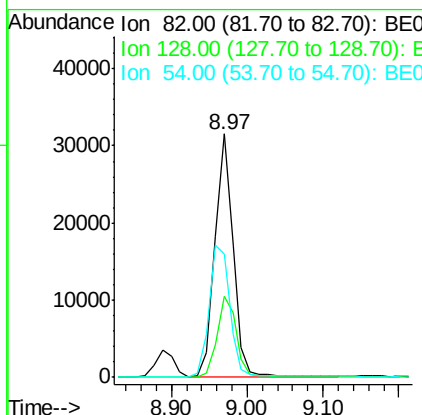
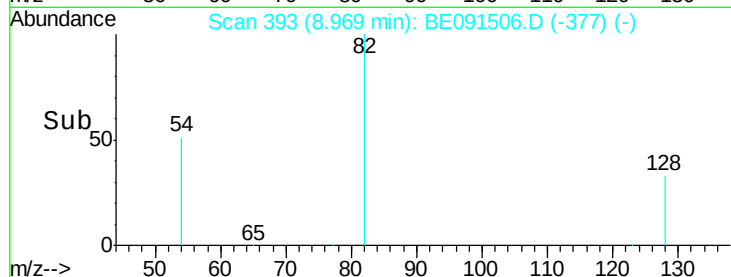
82 100

128 33.5 23.5 35.3

54 50.7 52.4 78.6#

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#8

Naphthalene

Concen: 3.38 ng

RT: 10.65 min Scan# 515

Delta R.T. -0.00 min

Lab File: BE091506.D

Acq: 22 Mar 2016 16:29

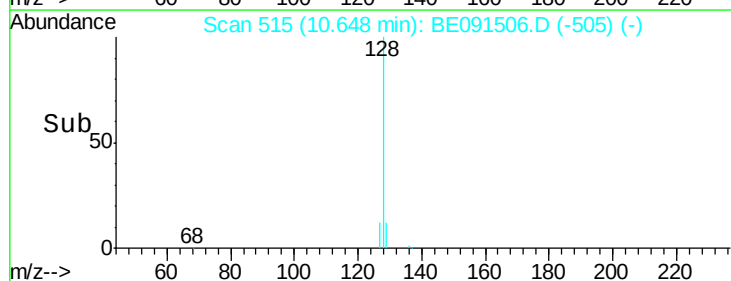
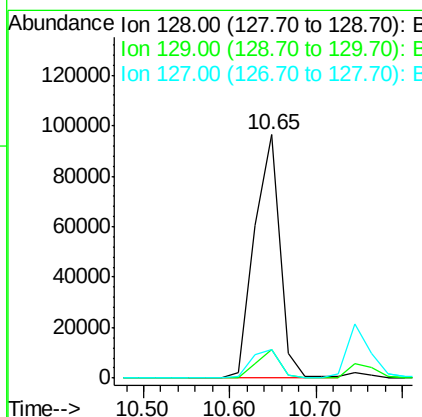
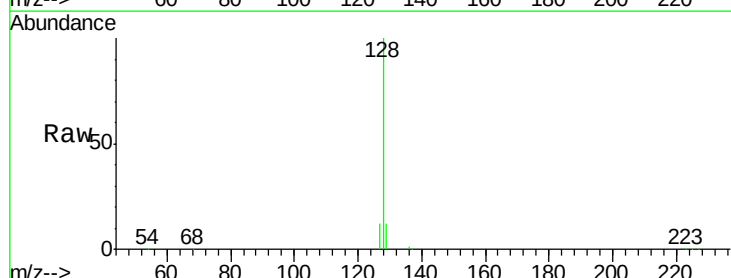
Tgt Ion: 128 Resp: 196386

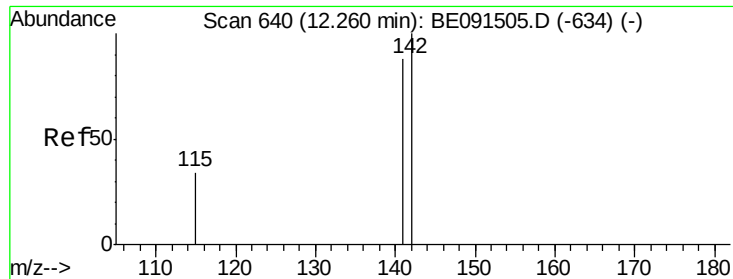
Ion Ratio Lower Upper

128 100

129 11.9 8.2 12.2

127 11.7 11.8 17.8#





#9

2-Methylnaphthalene

Concen: 3.46 ng

RT: 12.25 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE091506.D

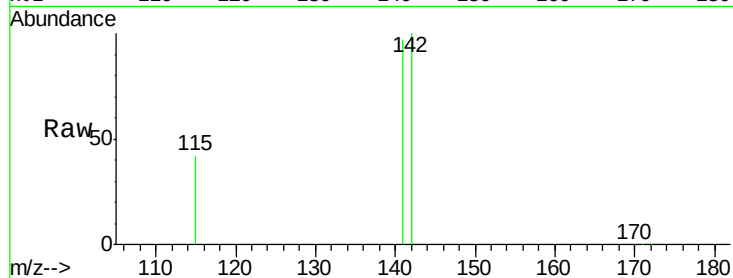
Acq: 22 Mar 2016 16:29

Instrument :

BNA_E

ClientSampleId :

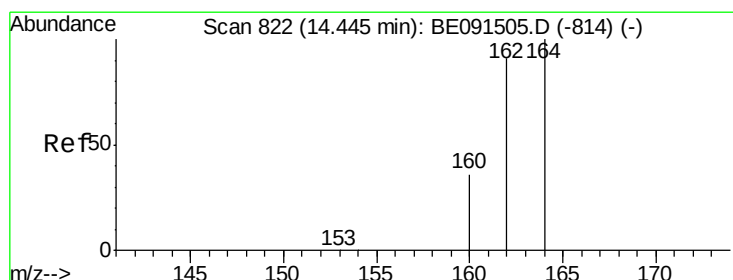
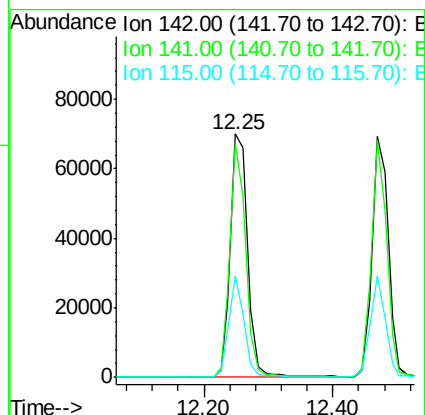
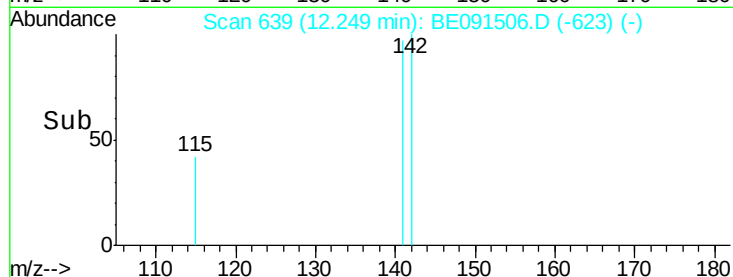
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Tgt Ion:	142	Resp:	129455
Ion Ratio	Lower	Upper	
142	100		
141	96.6	66.9	100.3
115	41.7	25.1	37.7#

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#10

Acenaphthene-d10

Concen: 5.00 ng

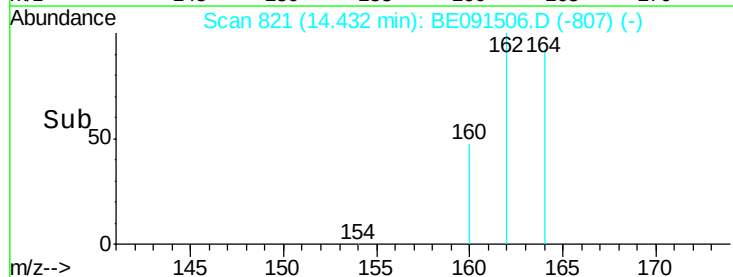
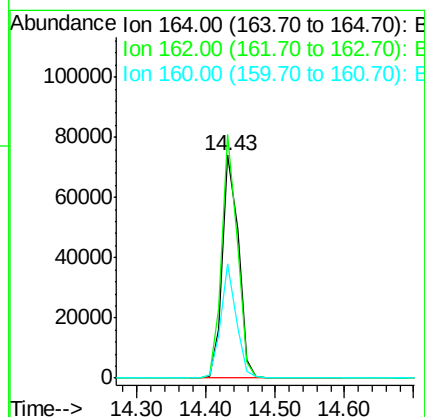
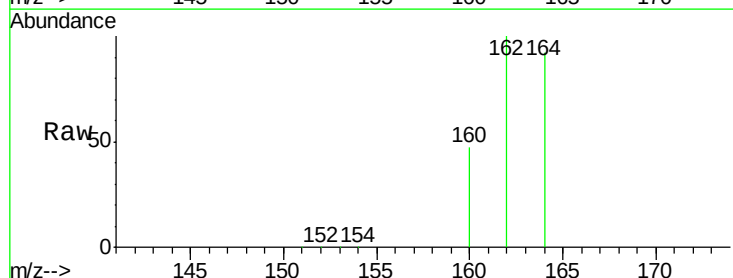
RT: 14.43 min Scan# 821

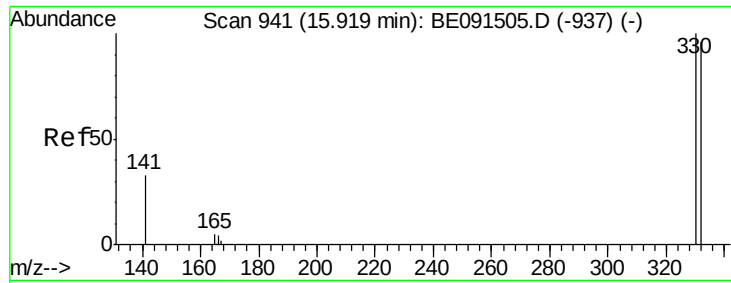
Delta R.T. -0.01 min

Lab File: BE091506.D

Acq: 22 Mar 2016 16:29

Tgt Ion:	164	Resp:	119301
Ion Ratio	Lower	Upper	
164	100		
162	109.2	84.4	126.6
160	51.0	37.7	56.5





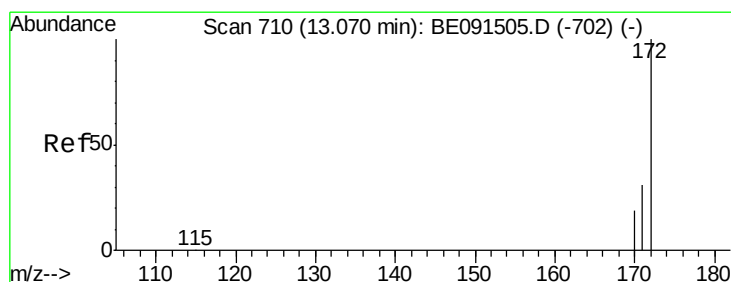
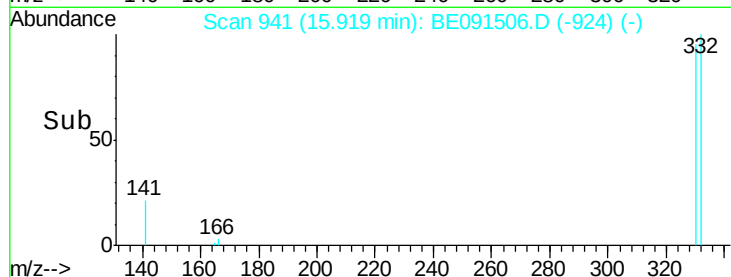
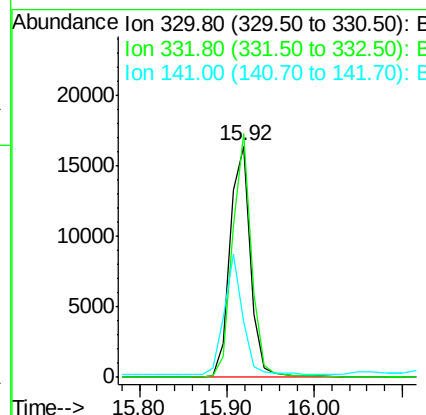
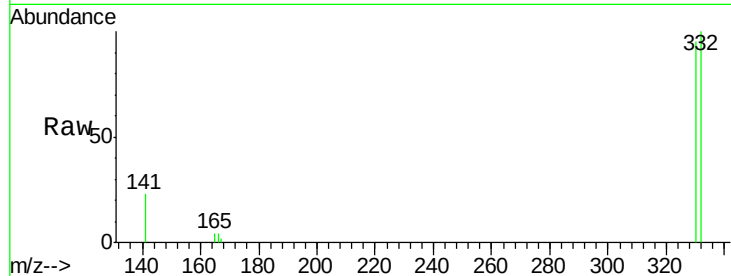
#11
 2,4,6-Tribromophenol
 Concen: 6.88 ng
 RT: 15.92 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: BE091506.D
 Acq: 22 Mar 2016 16:29

Instrument :
 BNA_E
 ClientSampleId :
 PB88982BS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	30134		
332	96.8	79.2	118.8	
141	41.0	28.1	42.1	

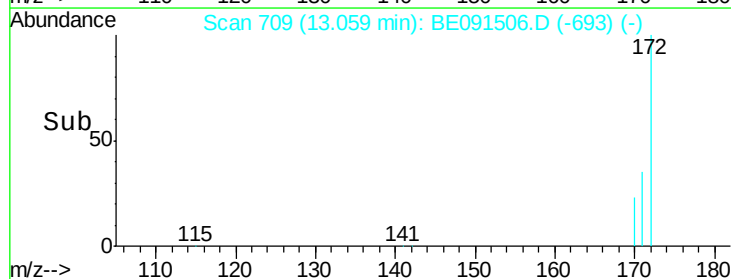
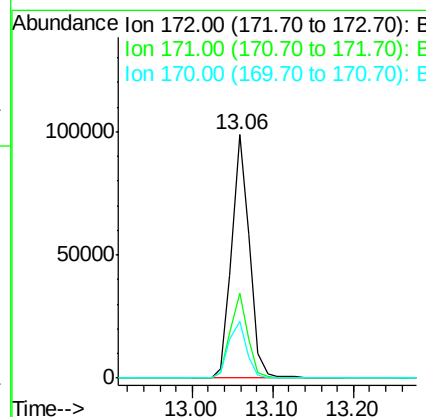
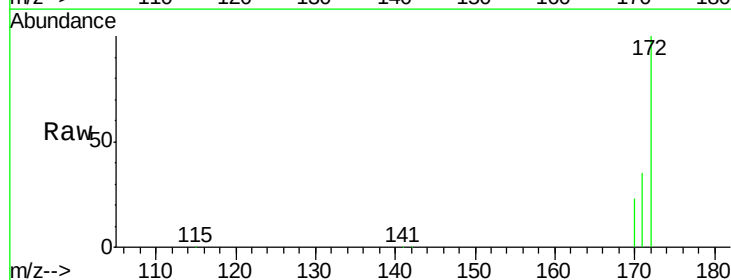
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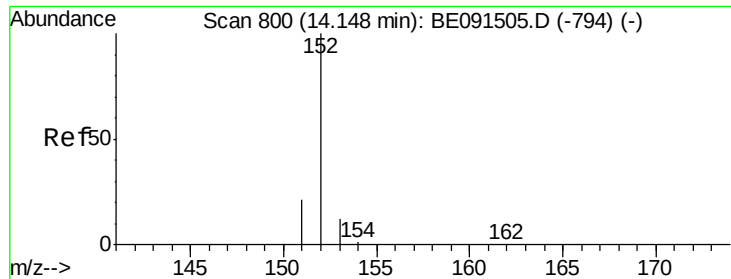
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#12
 2-Fluorobiphenyl
 Concen: 5.03 ng
 RT: 13.06 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BE091506.D
 Acq: 22 Mar 2016 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	151097		
171	34.8	29.8	44.8	
170	23.2	21.4	32.2	





#13

Acenaphthylene

Concen: 3.23 ng

RT: 14.15 min Scan# 800

Delta R.T. 0.00 min

Lab File: BE091506.D

Acq: 22 Mar 2016 16:29

Instrument :

BNA_E

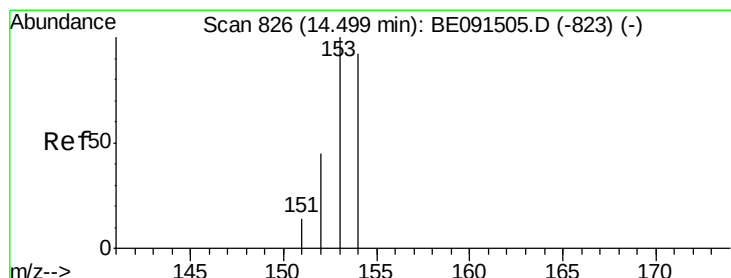
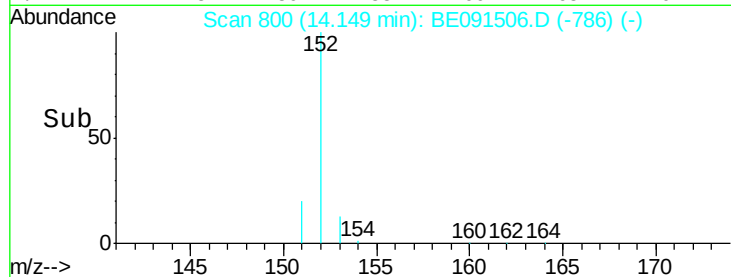
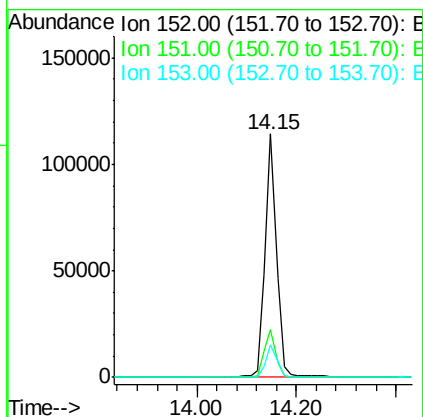
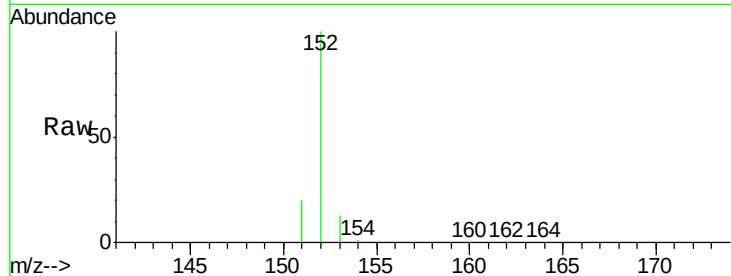
ClientSampleId :

PB88982BS

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.4	16.3	24.5
153	13.7	11.1	16.7

Manual Integrations
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#14

Acenaphthene

Concen: 3.51 ng

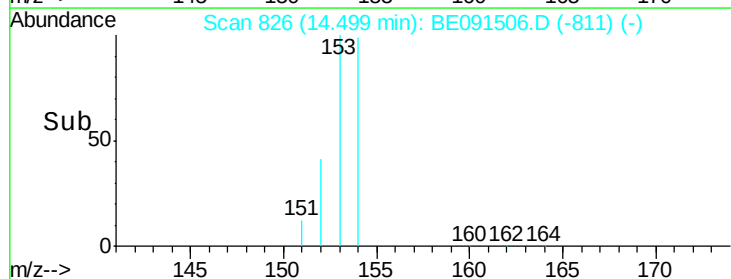
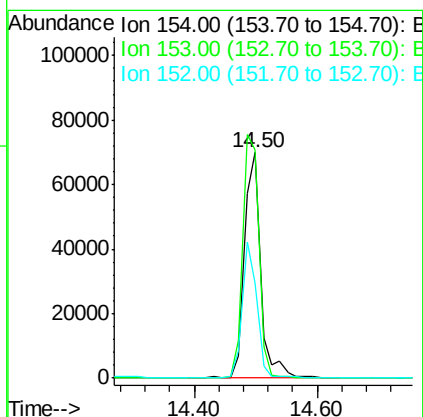
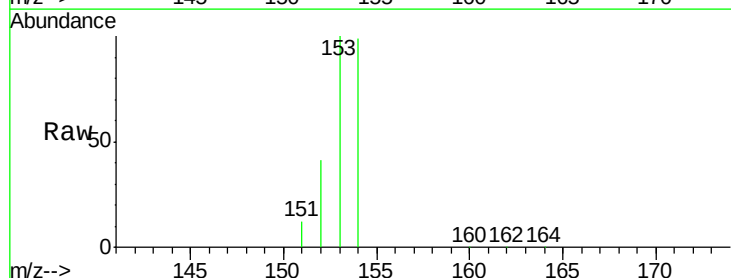
RT: 14.50 min Scan# 826

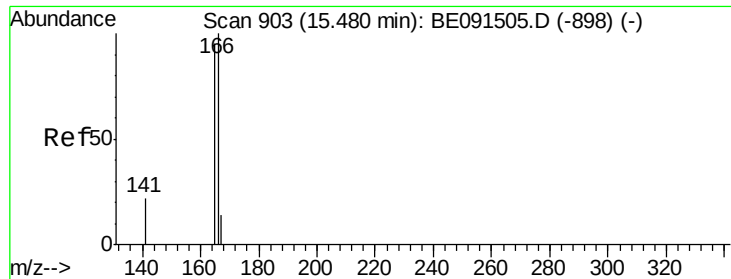
Delta R.T. 0.00 min

Lab File: BE091506.D

Acq: 22 Mar 2016 16:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	106.3	87.3	130.9
152	52.6	42.9	64.3





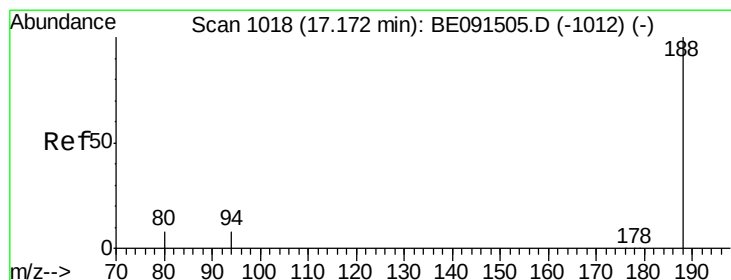
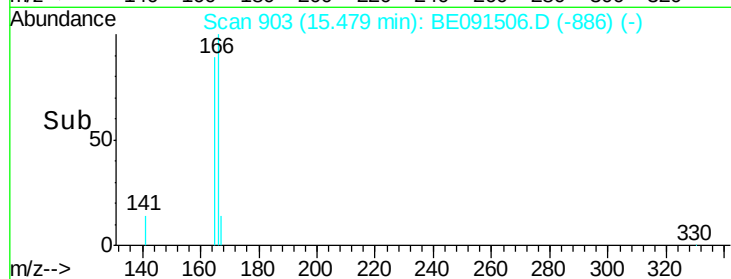
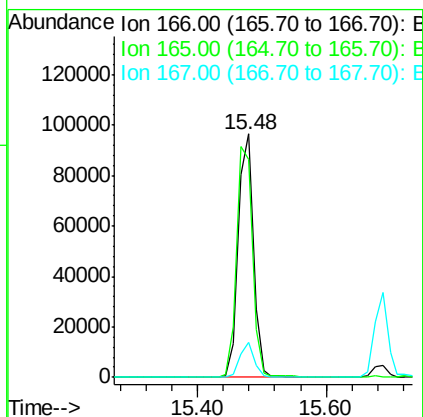
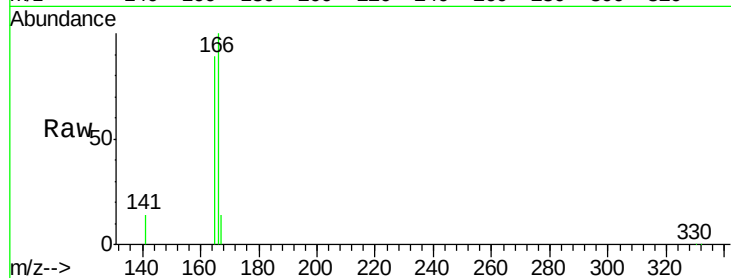
#15
Fluorene
 Concen: 3.32 ng
 RT: 15.48 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BE091506.D
 Acq: 22 Mar 2016 16:29

Instrument :
 BNA_E
 ClientSampleId :
 PB88982BS

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	154235		
165	99.5	79.2	118.8	
167	13.6	10.8	16.2	

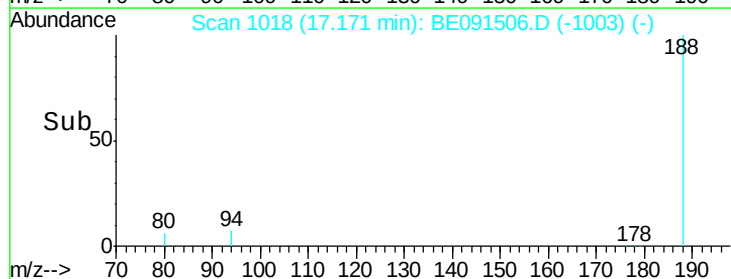
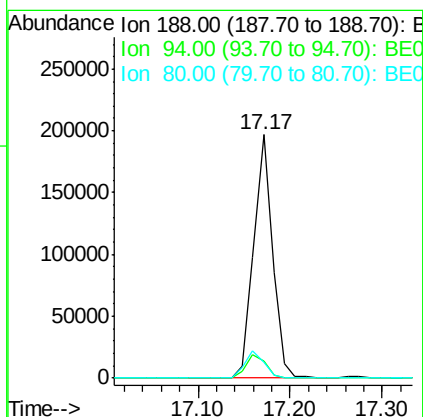
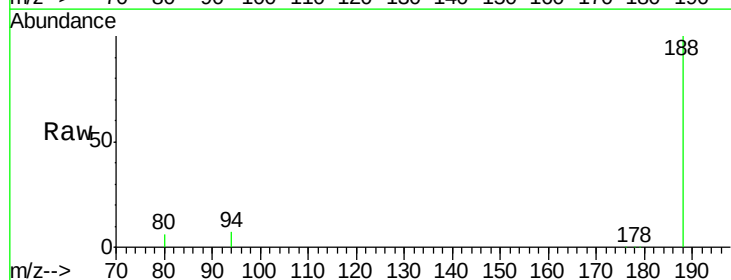
Manual Integrations
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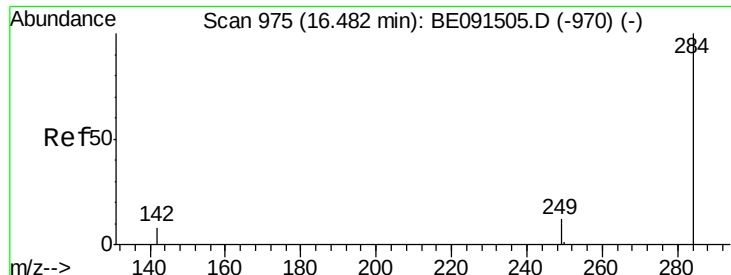
Sohil
 3/23/2016 4:29:02 PM



#16
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.17 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: BE091506.D
 Acq: 22 Mar 2016 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	280828		
94	7.1	5.4	8.2	
80	6.4	5.0	7.4	





#17

Hexachlorobenzene

Concen: 3.54 ng

RT: 16.48 min Scan# 975

Delta R.T. -0.00 min

Lab File: BE091506.D

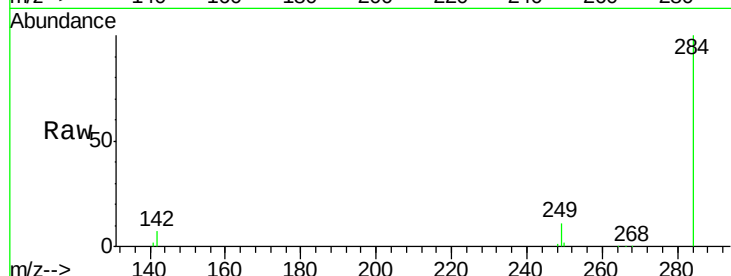
Acq: 22 Mar 2016 16:29

Instrument :

BNA_E

ClientSampleId :

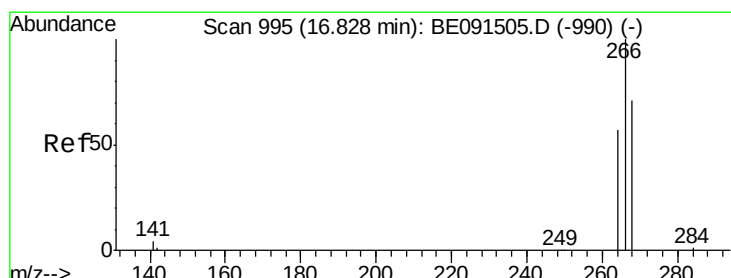
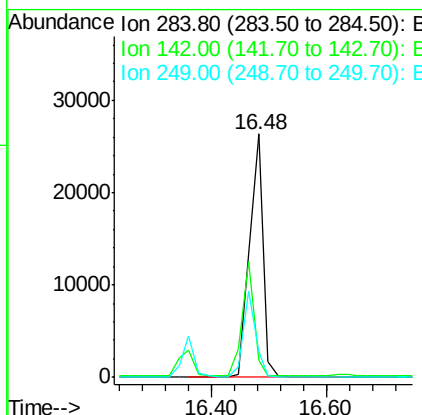
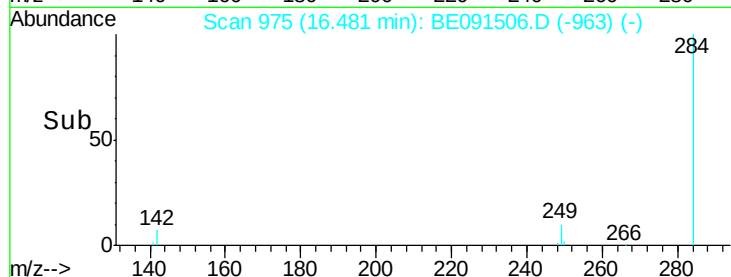
PB88982BS



Tgt Ion:	284	Resp:	43267
Ion Ratio	Lower	Upper	
284	100		
142	41.0	31.0	46.4
249	31.4	25.8	38.8

Manual Integrations
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#18

Pentachlorophenol

Concen: 6.36 ng

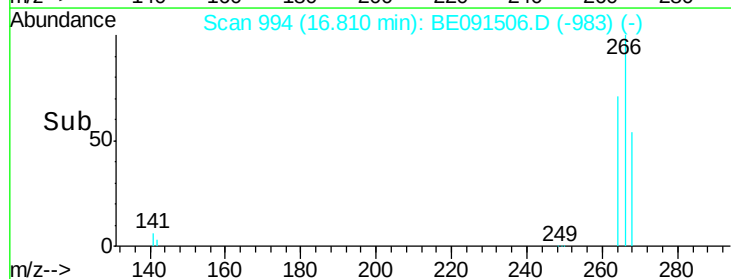
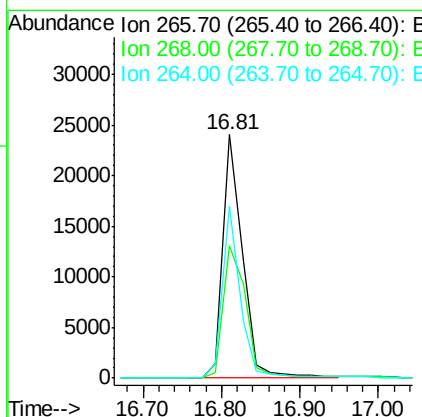
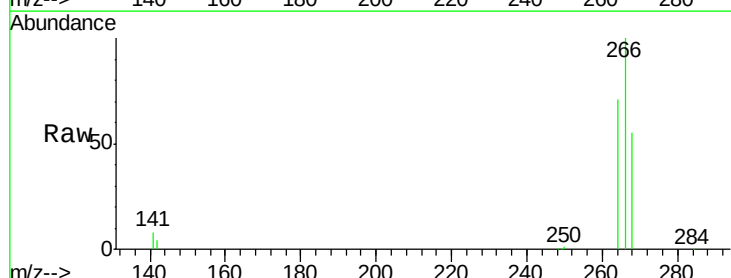
RT: 16.81 min Scan# 994

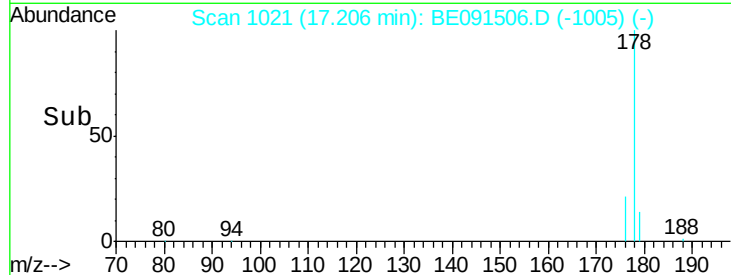
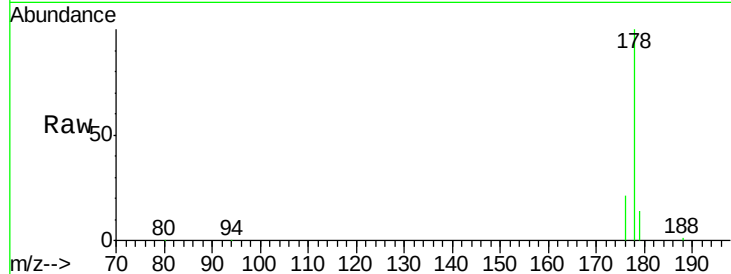
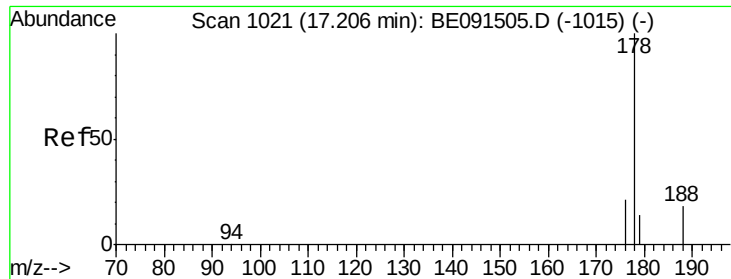
Delta R.T. -0.02 min

Lab File: BE091506.D

Acq: 22 Mar 2016 16:29

Tgt Ion:	266	Resp:	41018
Ion Ratio	Lower	Upper	
266	100		
268	54.5	48.2	72.2
264	70.8	52.1	78.1





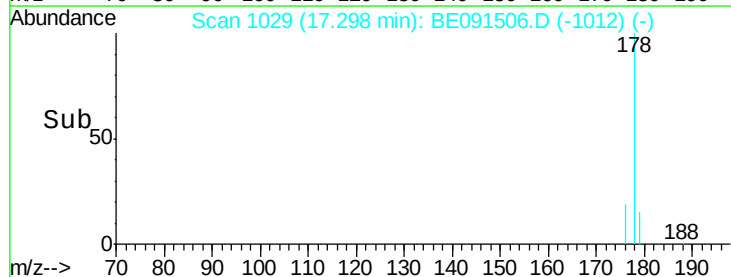
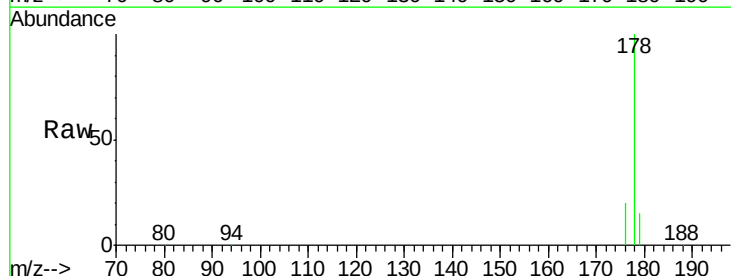
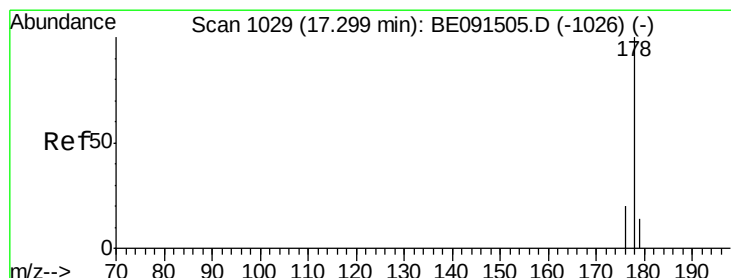
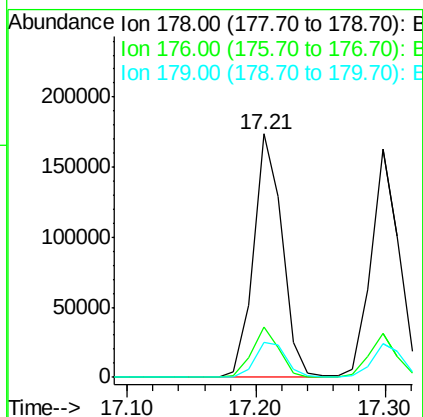
#19
Phenanthrene
Concen: 3.35 ng
RT: 17.21 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BE091506.D
Acq: 22 Mar 2016 16:29

Instrument :
BNA_E
ClientSampleId :
PB88982BS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.6	13.1	19.7

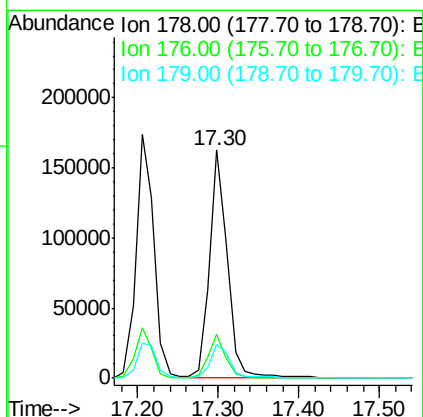
Manual Integrations
APPROVED

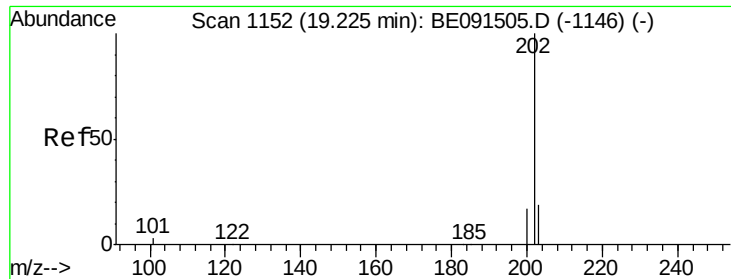
Sohil
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#20
Anthracene
Concen: 3.55 ng
RT: 17.30 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BE091506.D
Acq: 22 Mar 2016 16:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.8	12.2	18.4





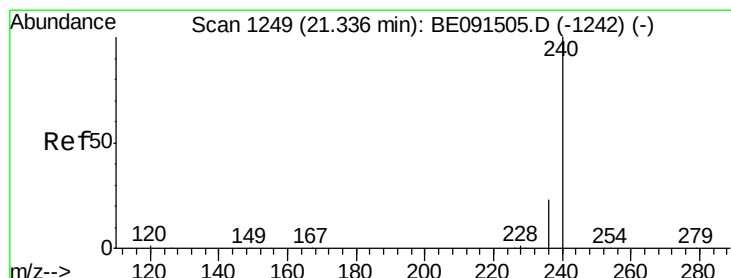
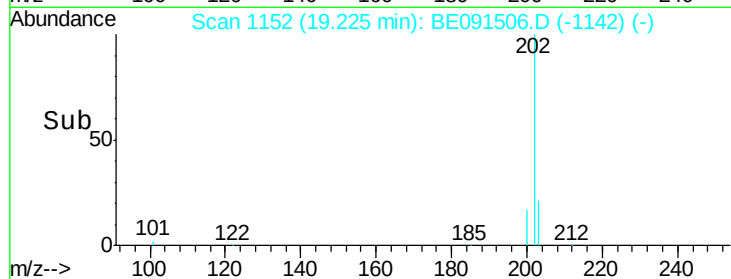
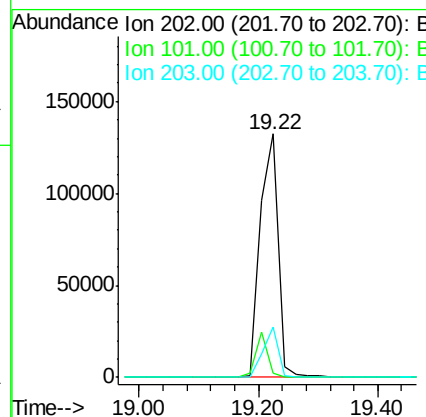
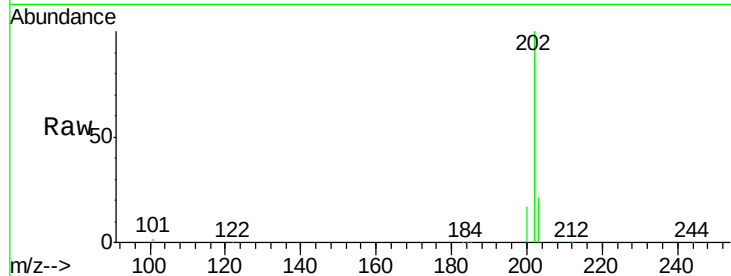
#21
Fluoranthene
Concen: 2.99 ng
RT: 19.22 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE091506.D
Acq: 22 Mar 2016 16:29

Instrument :
BNA_E
ClientSampleId :
PB88982BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.4	8.3	12.5
203	17.7	13.9	20.9

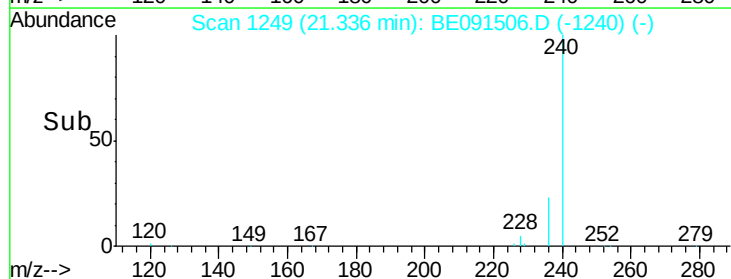
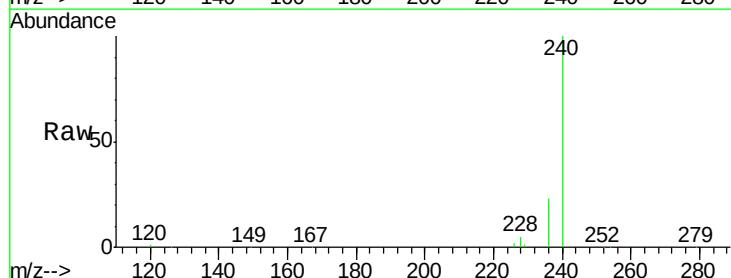
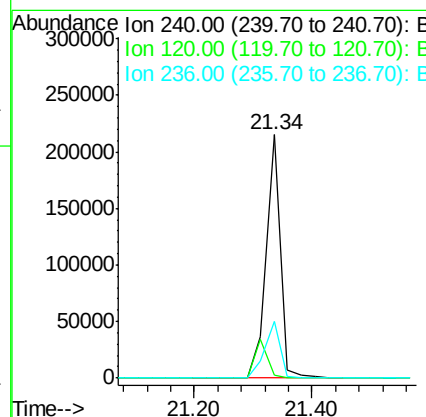
Manual Integrations
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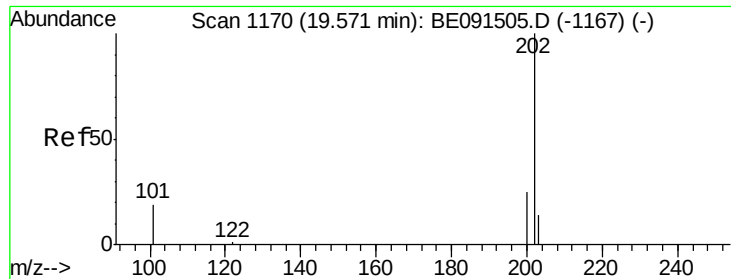
Sohil
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#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091506.D
Acq: 22 Mar 2016 16:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	1.2	4.0	6.0#
236	23.1	23.0	34.4





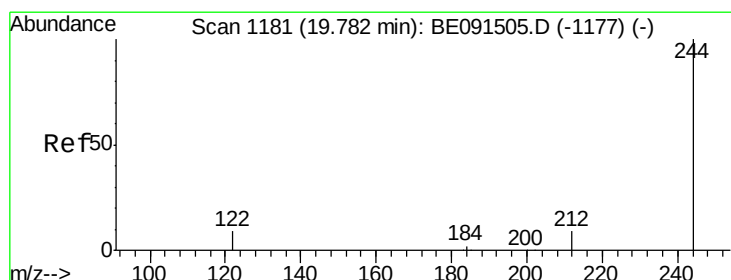
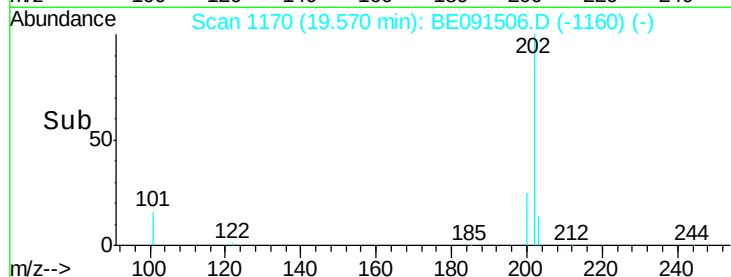
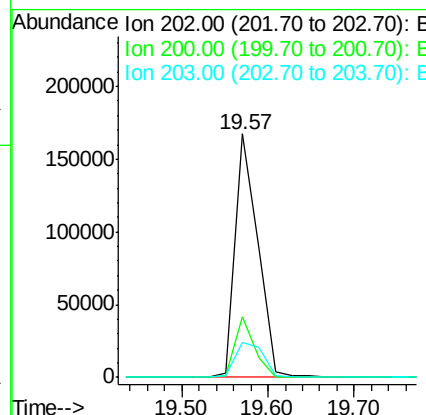
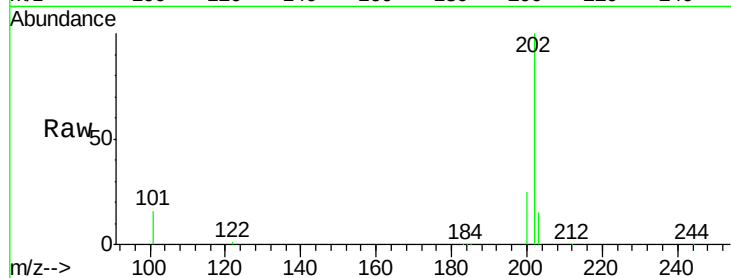
#23
 Pyrene
 Concen: 3.37 ng
 RT: 19.57 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BE091506.D
 Acq: 22 Mar 2016 16:29

Instrument :
 BNA_E
 ClientSampleId :
 PB88982BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.7	16.4	24.6
203	17.8	14.6	21.8

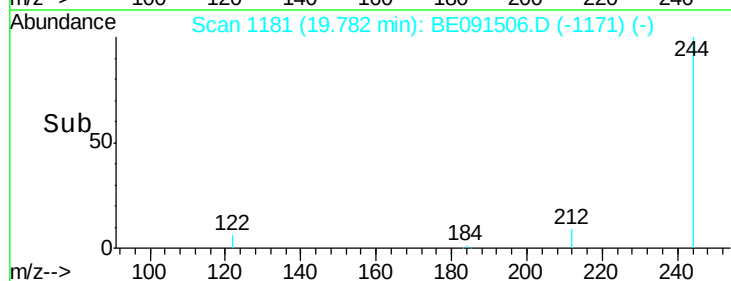
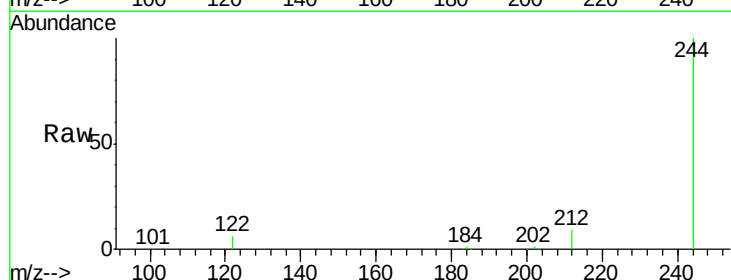
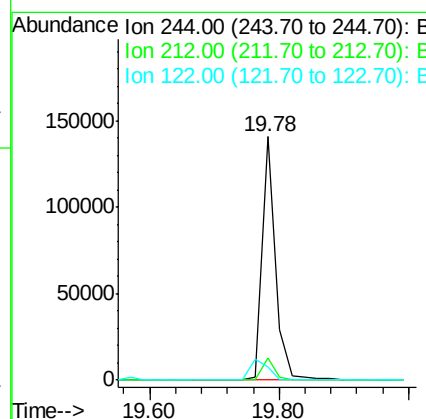
Manual Integrations
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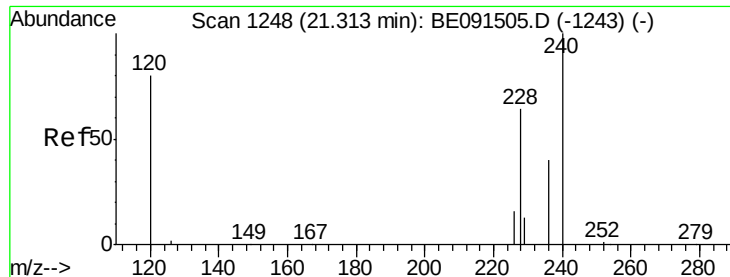
Sohil
 3/23/2016 4:29:02 PM



#24
 Terphenyl-d14
 Concen: 4.68 ng
 RT: 19.78 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BE091506.D
 Acq: 22 Mar 2016 16:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.1	5.8	8.8#
122	5.7	1.8	2.8#





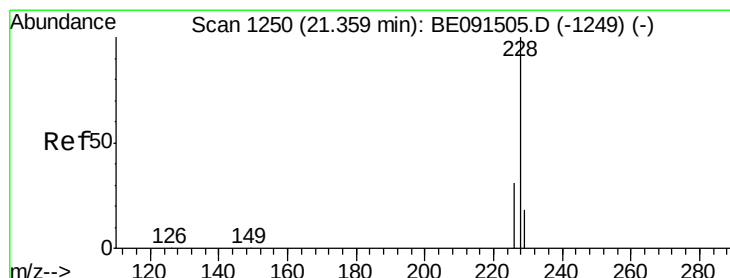
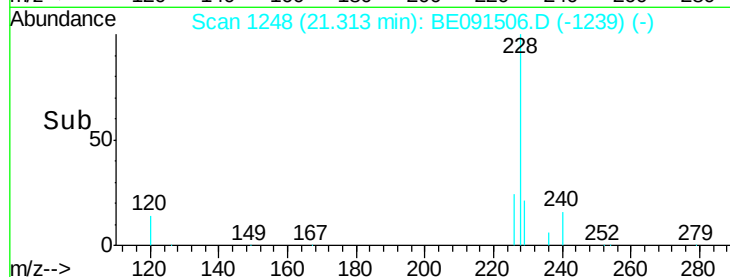
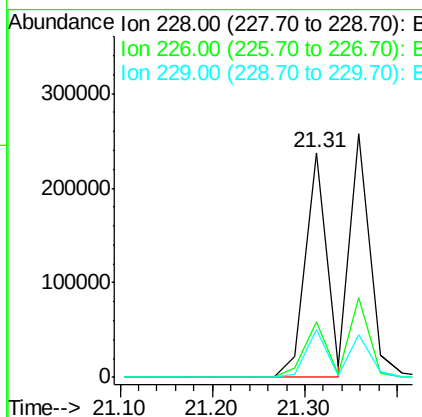
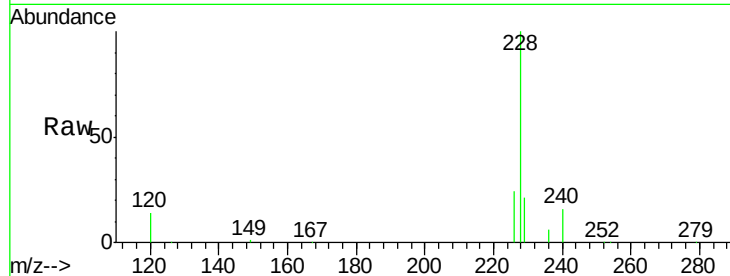
#25
Benzo(a)anthracene
Concen: 3.72 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091506.D
Acq: 22 Mar 2016 16:29

Instrument :
BNA_E
ClientSampleId :
PB88982BS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.5	24.0	36.0
229	21.5	13.8	20.6

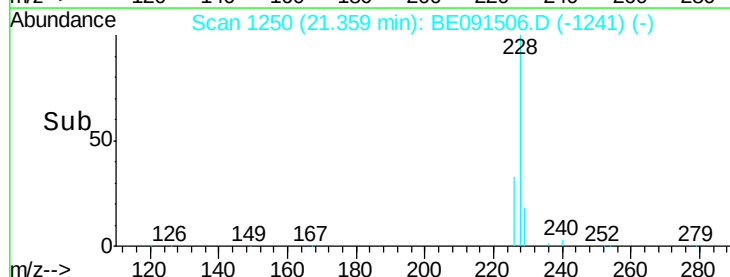
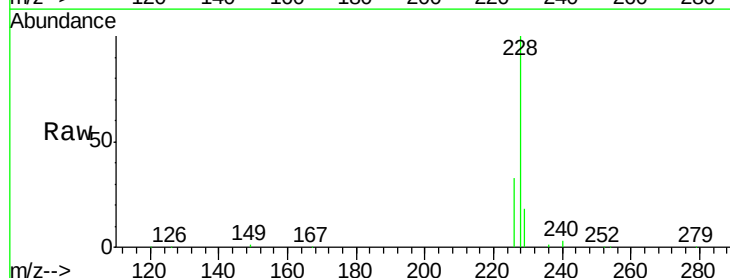
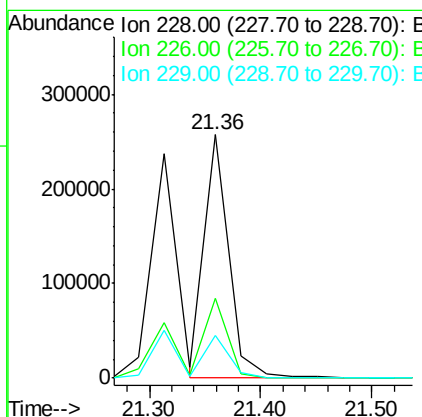
Manual Integrations
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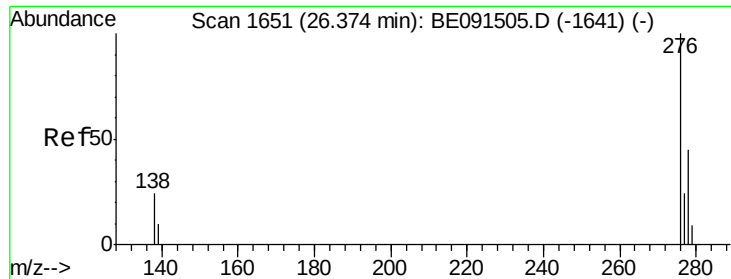
Sohil
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#26
Chrysene
Concen: 4.31 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: BE091506.D
Acq: 22 Mar 2016 16:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	18.9	28.3
229	17.7	19.1	28.7





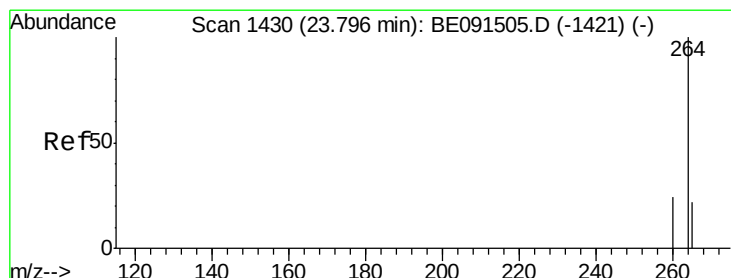
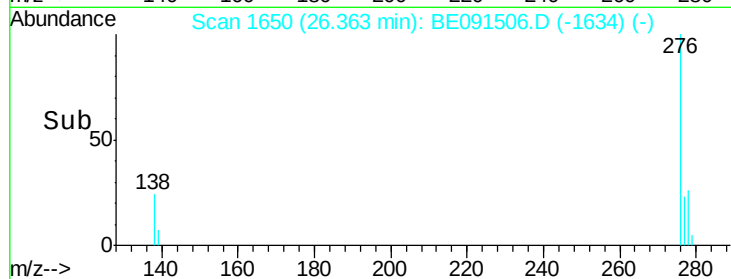
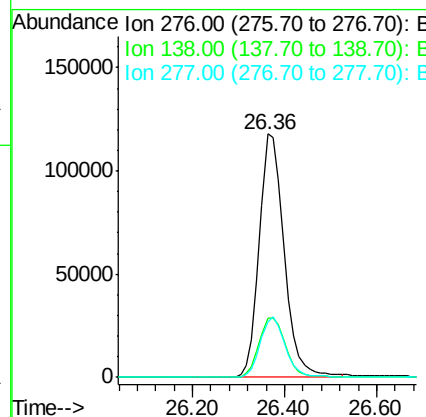
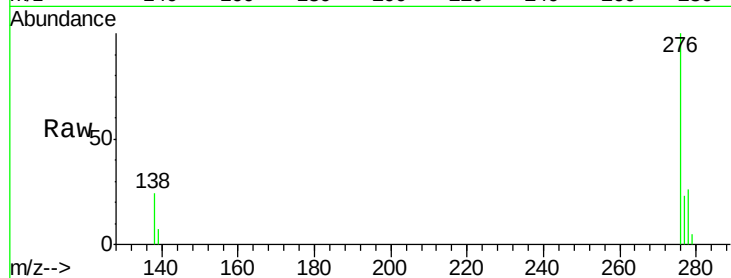
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 4.24 ng
 RT: 26.36 min Scan# 1650
 Delta R.T. -0.01 min
 Lab File: BE091506.D
 Acq: 22 Mar 2016 16:29

Instrument :
 BNA_E
 ClientSampleId :
 PB88982BS

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	443542		
138	26.3	20.2	30.4	
277	24.8	19.8	29.8	

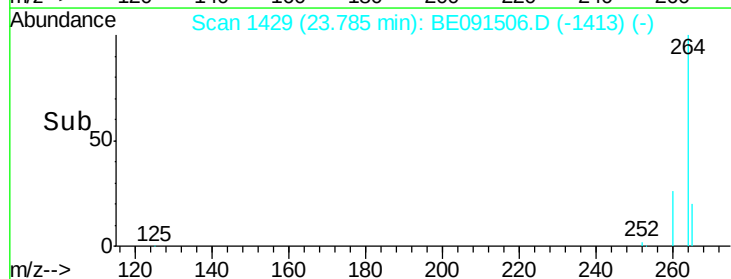
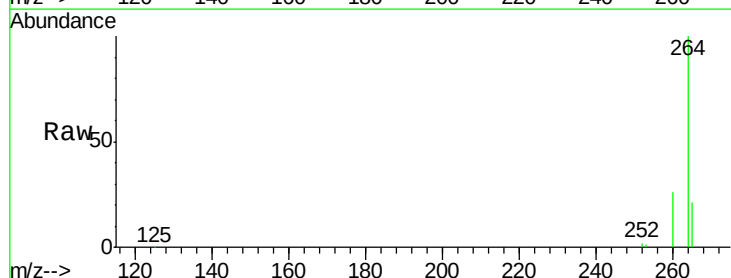
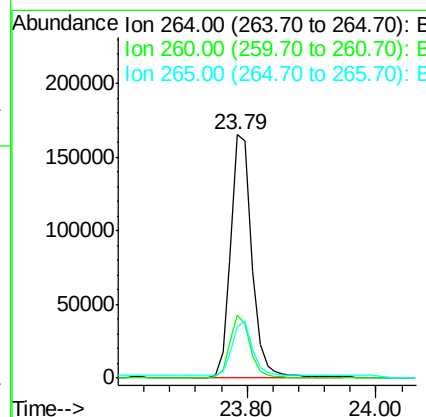
Manual Integrations
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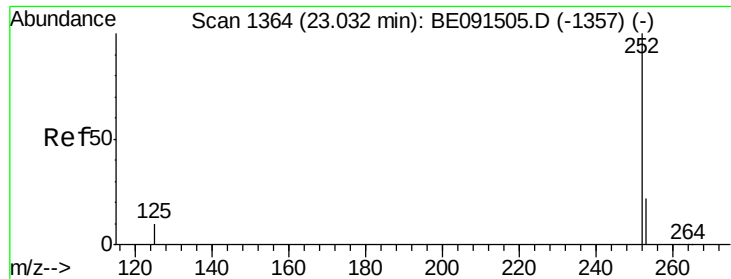
Sohil
 3/23/2016 4:29:02 PM



#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.79 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BE091506.D
 Acq: 22 Mar 2016 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	379721		
260	26.1	20.1	30.1	
265	21.1	18.3	27.5	





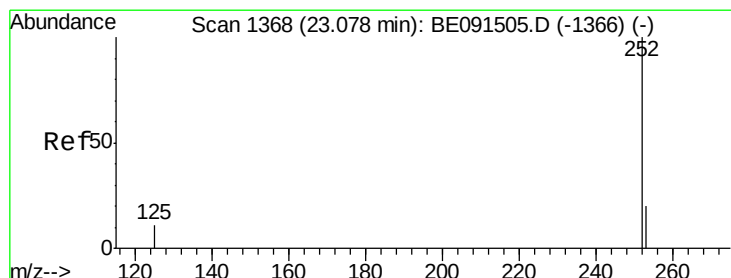
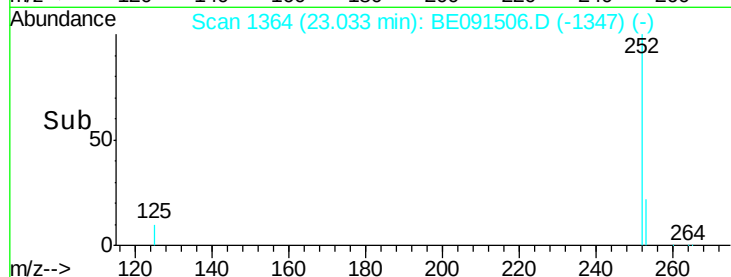
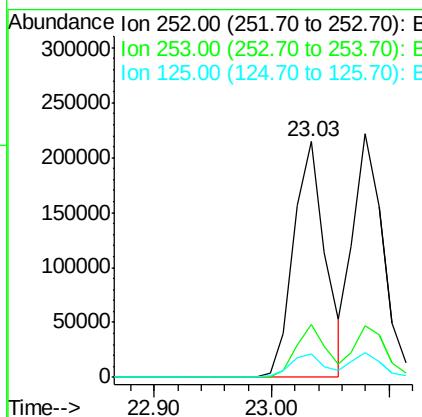
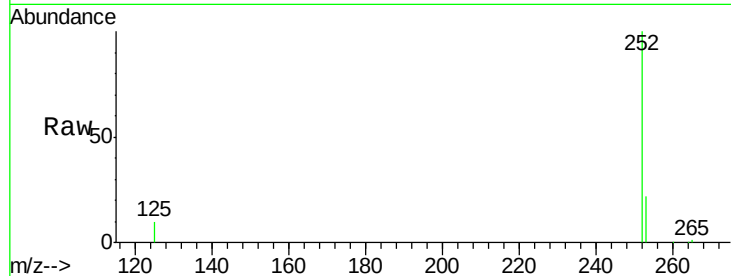
#29
Benzo(b)fluoranthene
Concen: 3.35 ng
RT: 23.03 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BE091506.D
Acq: 22 Mar 2016 16:29

Instrument :
BNA_E
ClientSampleId :
PB88982BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.7	28.1
125	10.0	9.8	14.6

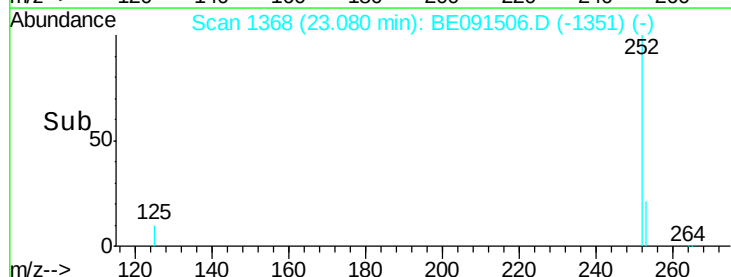
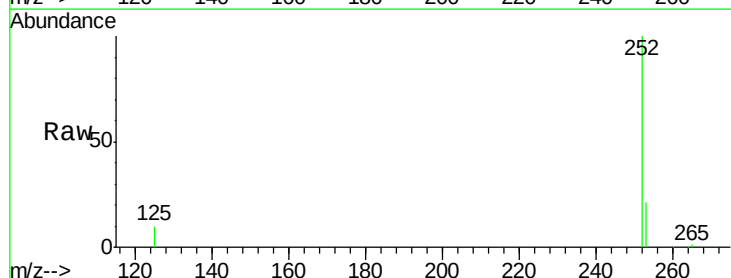
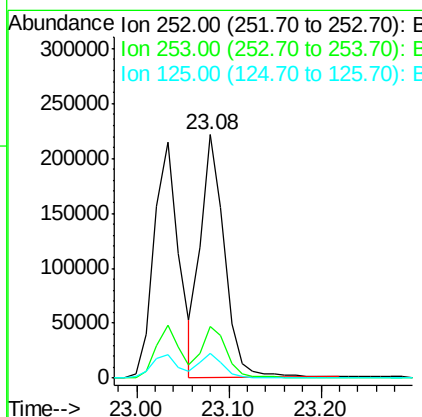
Manual Integrations
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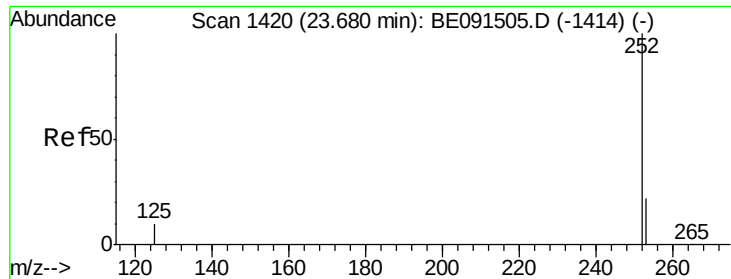
Sohil
3/23/2016 4:29:02 PM



#30
Benzo(k)fluoranthene
Concen: 3.22 ng
RT: 23.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE091506.D
Acq: 22 Mar 2016 16:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	20.2	30.4
125	10.4	9.4	14.2





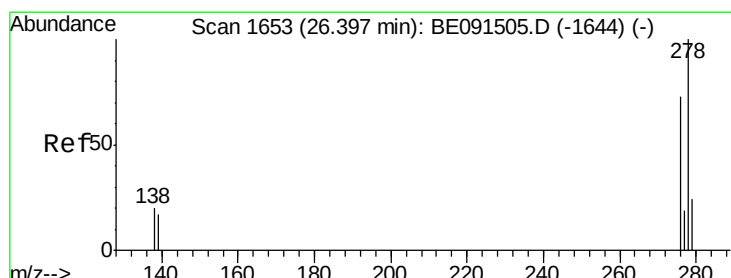
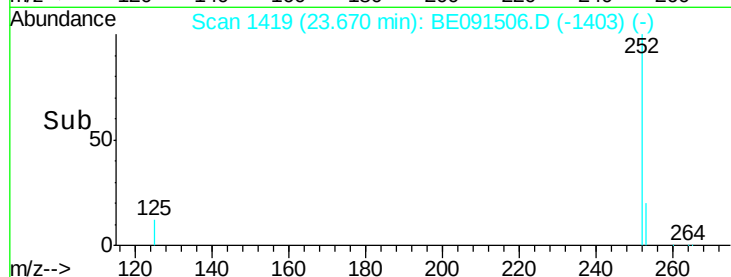
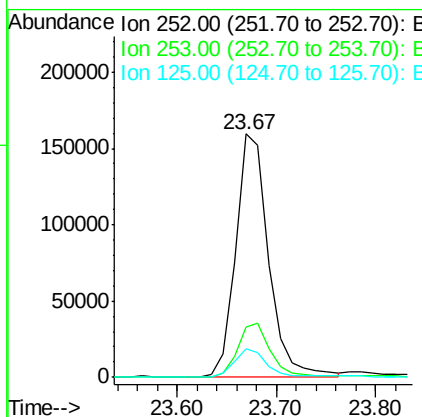
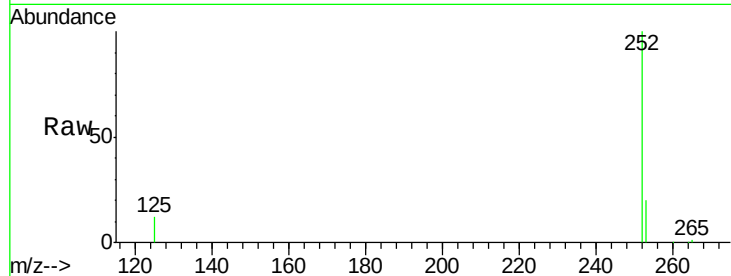
#31
Benzo(a)pyrene
Concen: 3.44 ng
RT: 23.67 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BE091506.D
Acq: 22 Mar 2016 16:29

Instrument :
BNA_E
ClientSampleId :
PB88982BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	19.4	29.0
125	12.0	11.4	17.2

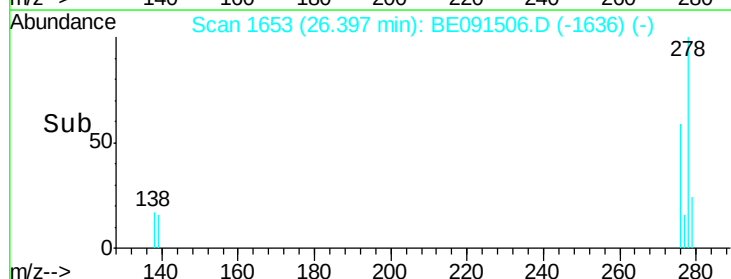
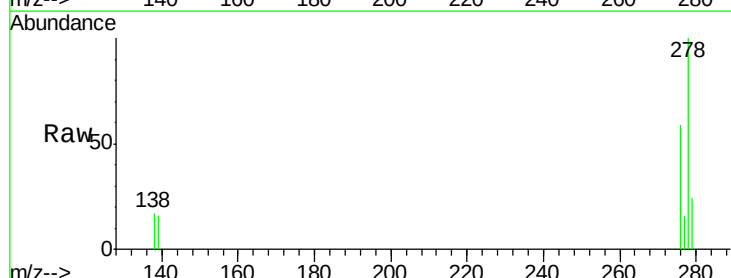
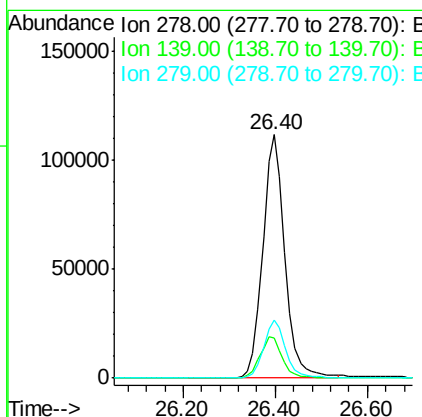
Manual Integrations
APPROVED

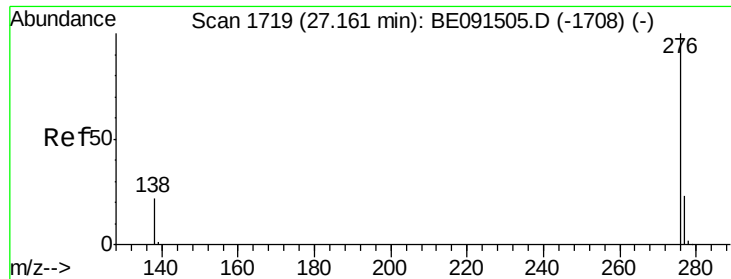
Sohil
3/23/2016 4:29:02 PM



#32
Dibenzo(a,h)anthracene
Concen: 3.58 ng
RT: 26.40 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BE091506.D
Acq: 22 Mar 2016 16:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	14.2	21.4
279	24.0	19.6	29.4





#33

Benzo(g,h,i)perylene

Concen: 3.51 ng

RT: 27.16 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BE091506.D

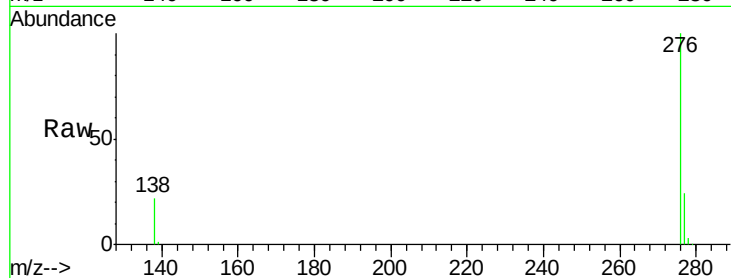
Acq: 22 Mar 2016 16:29

Instrument :

BNA_E

ClientSampleId :

PB88982BS



Tgt	Ion	Ratio	Lower	Upper
276	100			
277	24.2	19.4	29.2	
138	22.1	18.2	27.4	

Manual Integrations
APPROVED

Sohil
3/23/2016 4:29:02 PM

