

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE033116\
 Data File : BE091576.D
 Acq On : 31 Mar 2016 4:46
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Manual Integrations
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Quant Time: Mar 31 05:17:12 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE033016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 18:45:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	36471	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	168662	5.00	ng	0.00
10) Acenaphthene-d10	14.42	164	106180	5.00	ng	-0.03
16) Phenanthrene-d10	17.16	188	272172	5.00	ng	-0.01
22) Chrysene-d12	21.31	240	383127	5.00	ng	-0.02
28) Perylene-d12	23.76	264	328966	5.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	3775	0.40	ng	-0.02
5) Phenol-d6	6.97	99	5033	0.39	ng	-0.02
7) Nitrobenzene-d5	8.96	82	4383	0.39	ng	-0.02
11) 2,4,6-Tribromophenol	15.91	330	1478	0.31	ng	-0.01
12) 2-Fluorobiphenyl	13.05	172	11700	0.39	ng	-0.02
24) Terphenyl-d14	19.76	244	18575	0.38	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	2058	0.38	ng	95
3) n-Nitrosodimethylamine	3.64	42	2597	0.39	ng	94
8) Naphthalene	10.63	128	13979	0.40	ng	97
9) 2-Methylnaphthalene	12.25	142	8989	0.39	ng	97
13) Acenaphthylene	14.14	152	17306	0.40	ng	# 92
14) Acenaphthene	14.49	154	10413	0.40	ng	97
15) Fluorene	15.46	166	13252	0.39	ng	100
17) Hexachlorobenzene	16.47	284	3917	0.39	ng	98
18) Pentachlorophenol	16.79	266	2057	0.37	ng	89
19) Phenanthrene	17.20	178	25266	0.40	ng	99
20) Anthracene	17.29	178	22651	0.39	ng	99
21) Fluoranthene	19.20	202	29507	0.39	ng	99
23) Pyrene	19.57	202	30788	0.39	ng	100
25) Benzo(a)anthracene	21.29	228	37104m	0.41	ng	
26) Chrysene	21.33	228	31474m	0.41	ng	
27) Indeno(1,2,3-cd)pyrene	26.33	276	33201	0.37	ng	100
29) Benzo(b)fluoranthene	23.01	252	31537	0.40	ng	99
30) Benzo(k)fluoranthene	23.06	252	30415	0.39	ng	96
31) Benzo(a)pyrene	23.65	252	29030	0.40	ng	97
32) Dibenzo(a,h)anthracene	26.34	278	27725	0.39	ng	99
33) Benzo(g,h,i)perylene	27.12	276	28337	0.39	ng	99

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

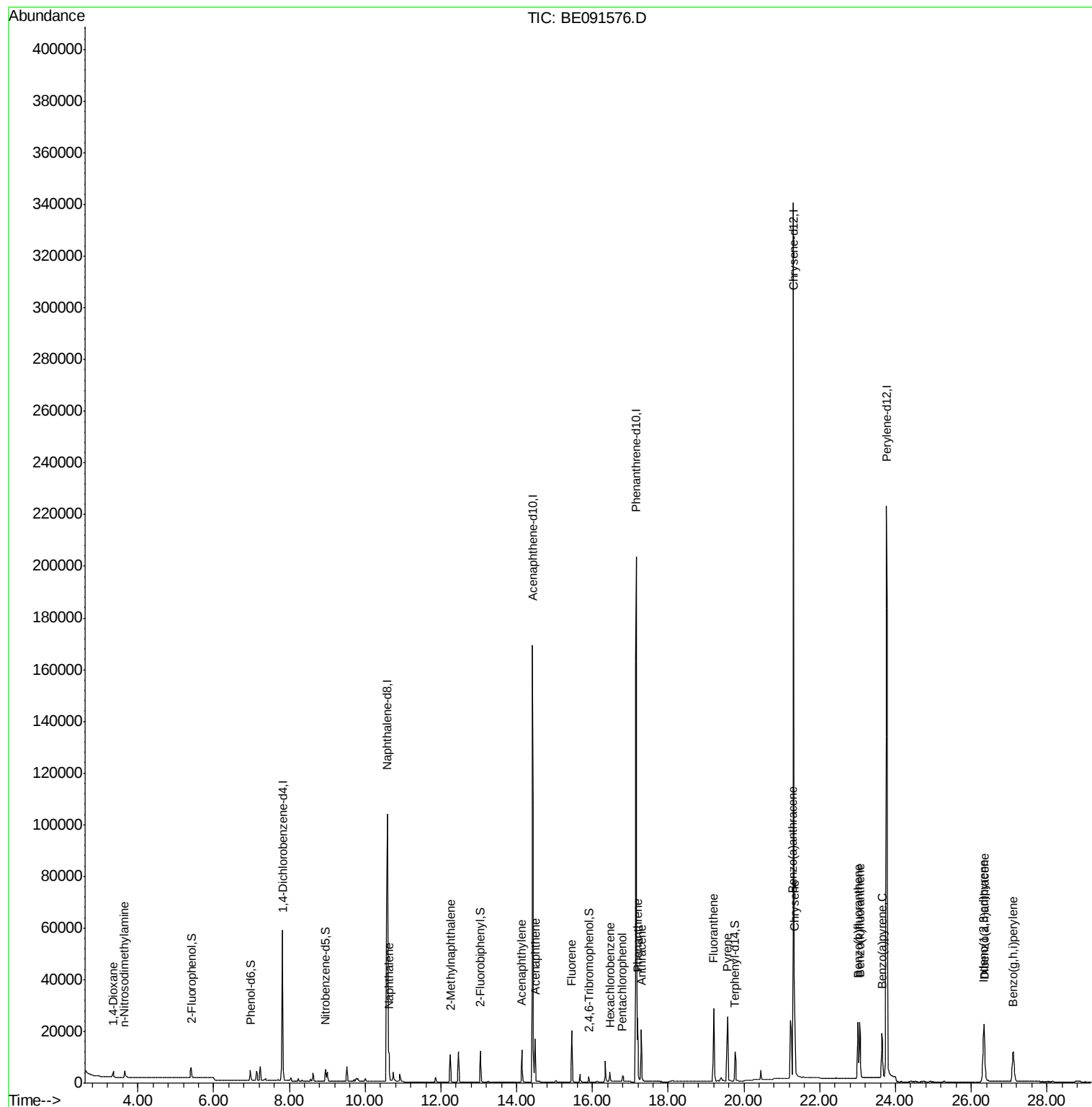
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE033116\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

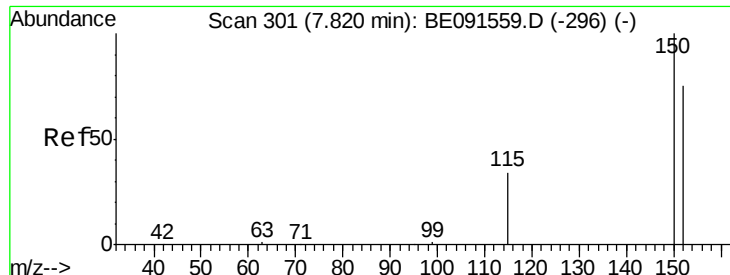
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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Quant Time: Mar 31 05:17:12 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE033016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 18:45:59 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.82 min Scan# 301

Delta R.T. 0.00 min

Lab File: BE091576.D

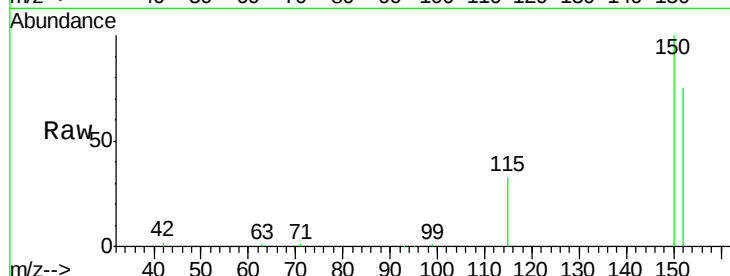
Acq: 31 Mar 2016 4:46

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion:152 Resp: 36471

Ion Ratio Lower Upper

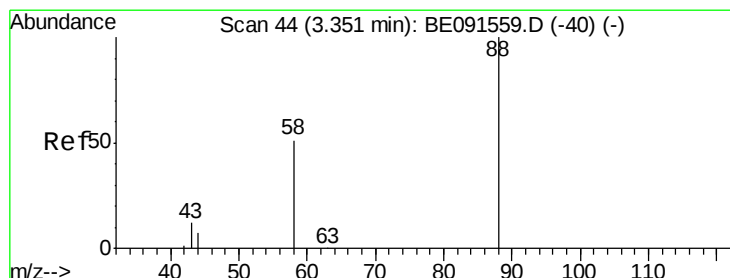
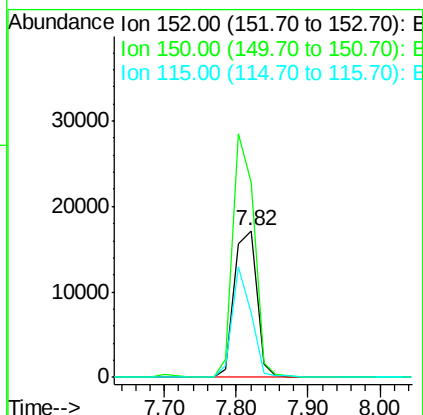
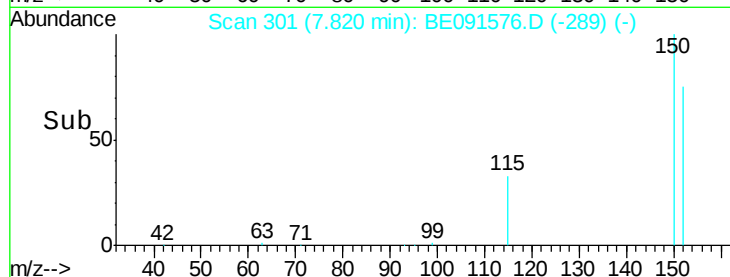
152 100

150 132.7 122.2 183.2

115 44.3 45.9 68.9#

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#2

1,4-Dioxane

Concen: 0.38 ng

RT: 3.35 min Scan# 44

Delta R.T. -0.02 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

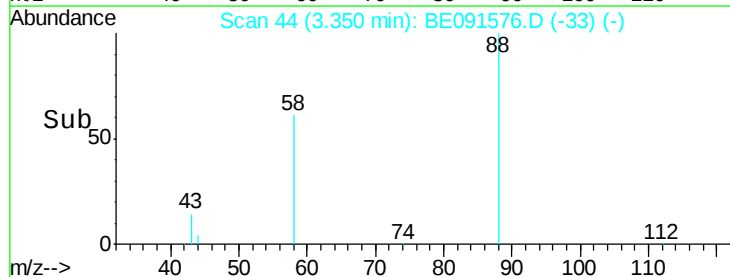
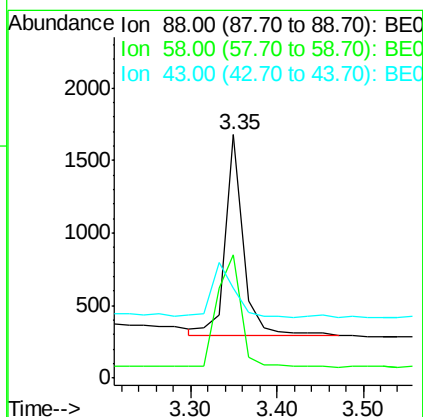
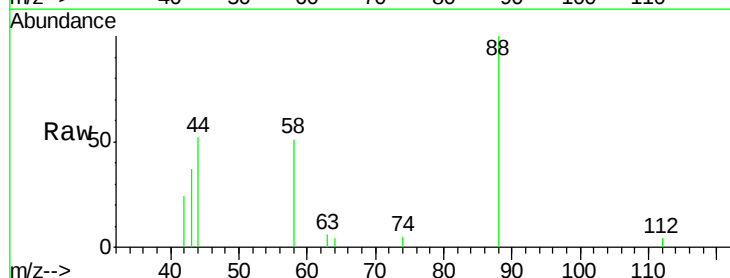
Tgt Ion: 88 Resp: 2058

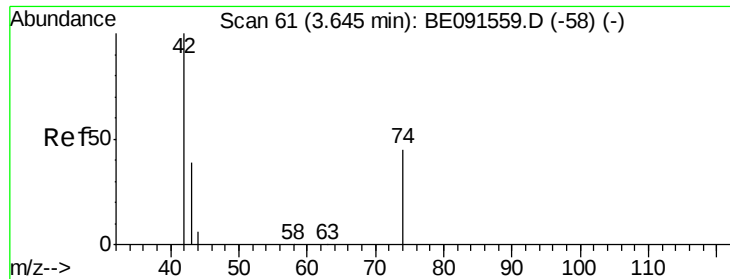
Ion Ratio Lower Upper

88 100

58 72.4 61.0 91.6

43 35.1 25.4 38.2





#3

n-Nitrosodimethylamine

Concen: 0.39 ng

RT: 3.64 min Scan# 61

Delta R.T. -0.03 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Instrument :

BNA_E

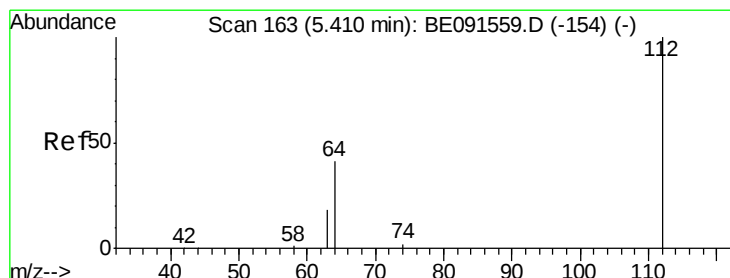
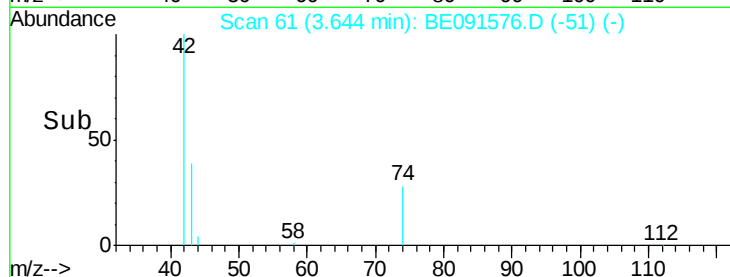
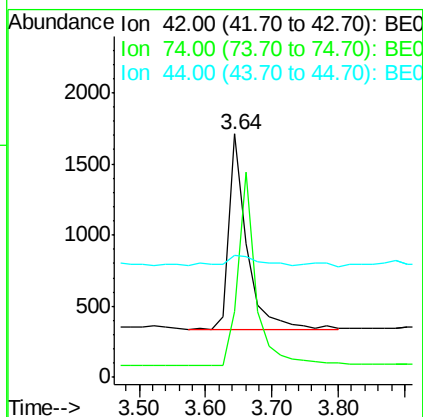
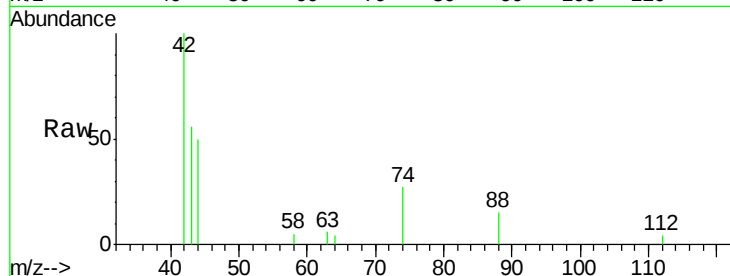
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	42	Resp:	2597
Ion	Ratio	Lower	Upper
42	100		
74	99.3	84.3	126.5
44	8.8	6.7	10.1

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#4

2-Fluorophenol

Concen: 0.40 ng

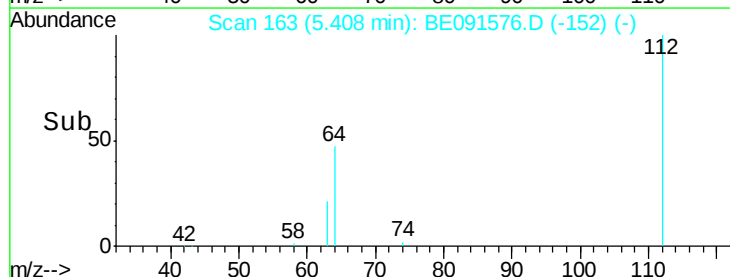
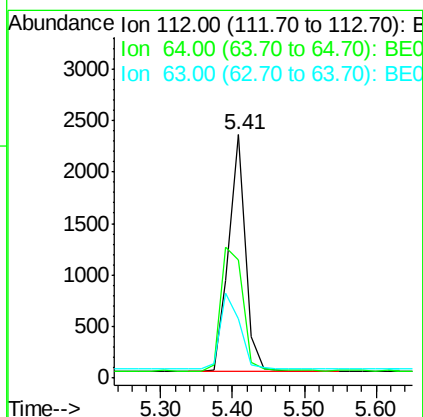
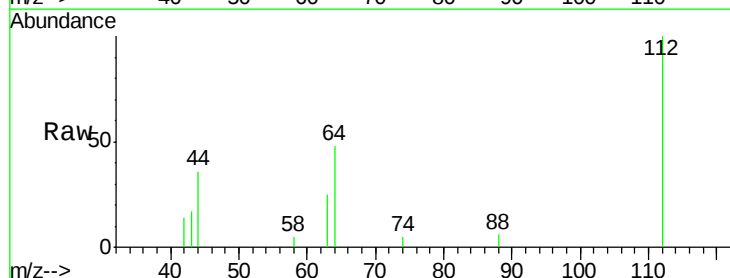
RT: 5.41 min Scan# 163

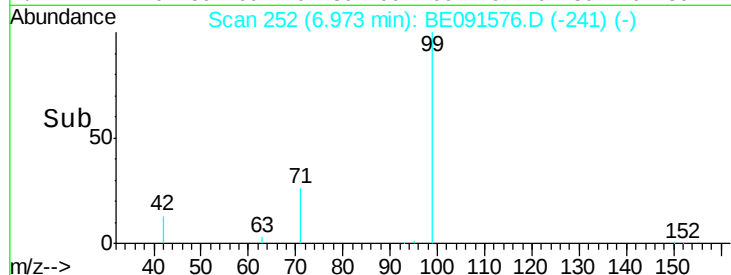
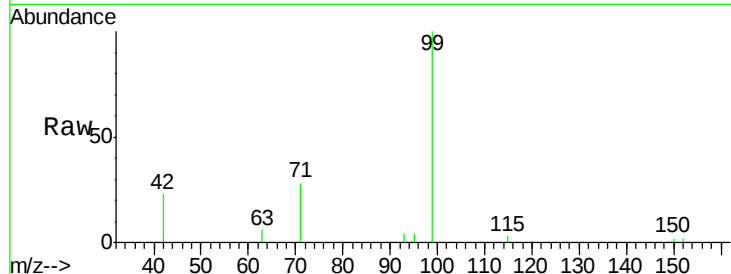
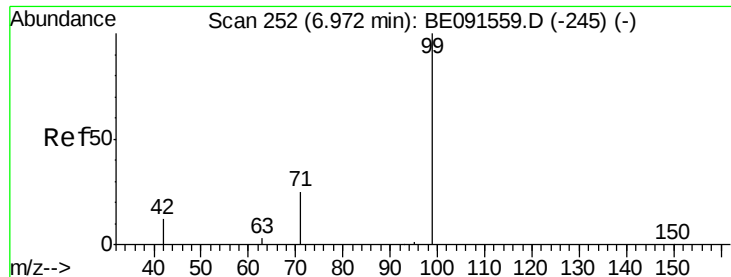
Delta R.T. -0.02 min

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Tgt Ion:	112	Resp:	3775
Ion	Ratio	Lower	Upper
112	100		
64	67.7	53.3	79.9
63	37.0	29.8	44.8





#5

Phenol-d6

Concen: 0.39 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Tgt Ion:	99	Resp:	5033
Ion Ratio	Lower	Upper	
99	100		
42	26.6	20.6	30.8
71	36.6	29.0	43.4

Instrument :

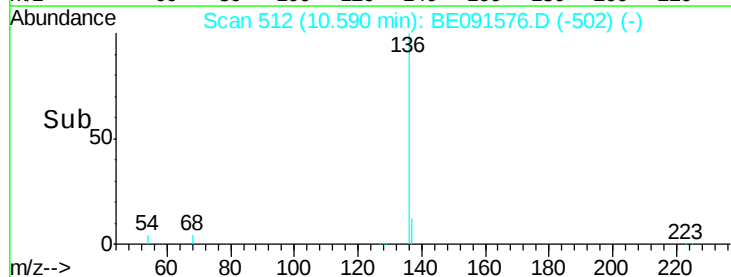
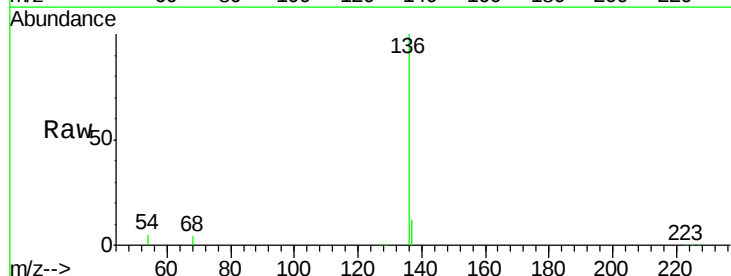
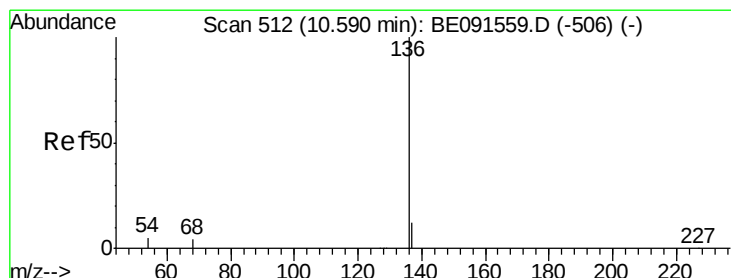
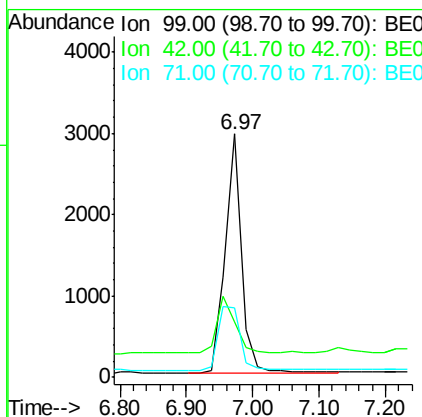
BNA_E

ClientSampleId :

SSTDCCC0.4EC

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#6

Naphthalene-d8

Concen: 5.00 ng

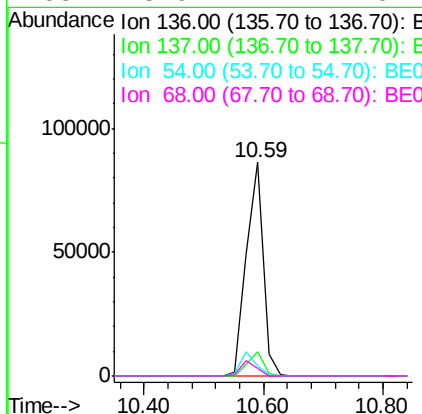
RT: 10.59 min Scan# 512

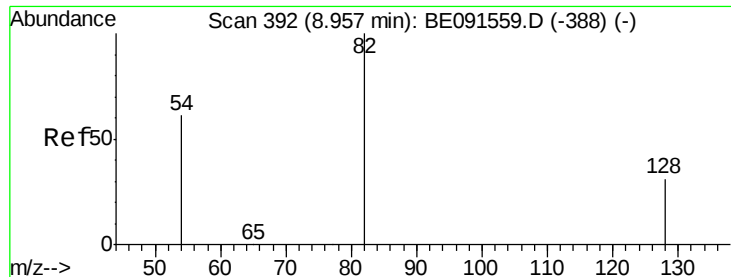
Delta R.T. -0.00 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Tgt Ion:	136	Resp:	168662
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.8	13.2
54	4.6	5.2	7.8#
68	3.9	4.1	6.1#





#7

Nitrobenzene-d5

Concen: 0.39 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.02 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Instrument :

BNA_E

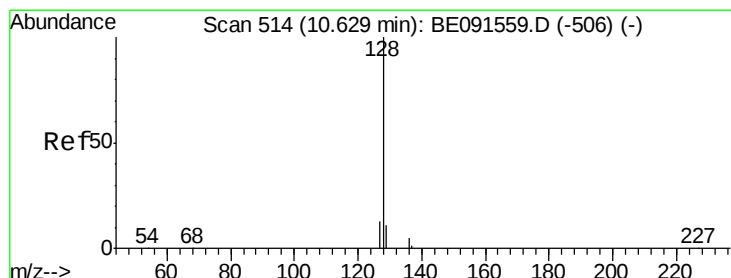
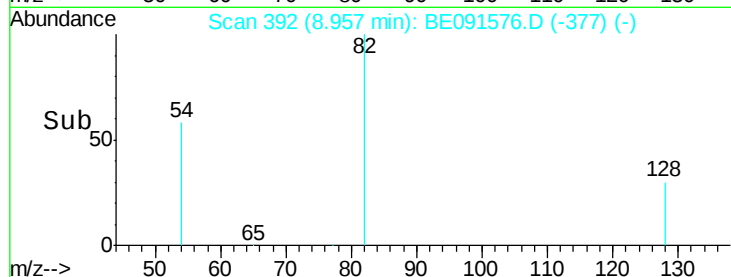
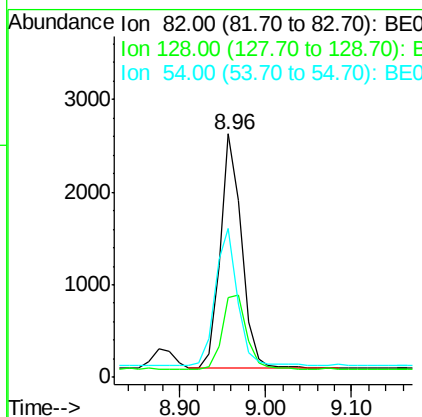
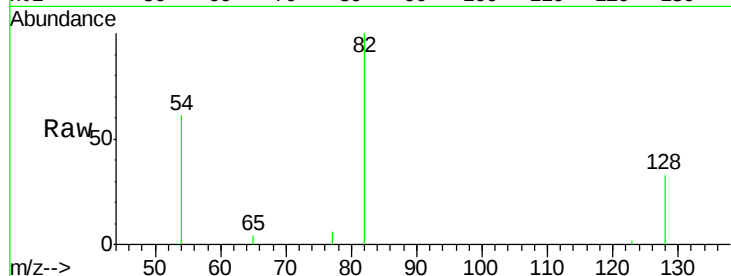
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	82	Resp:	4383
Ion Ratio	Lower	Upper	
82	100		
128	32.6	23.5	35.3
54	61.2	52.4	78.6

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#8

Naphthalene

Concen: 0.40 ng

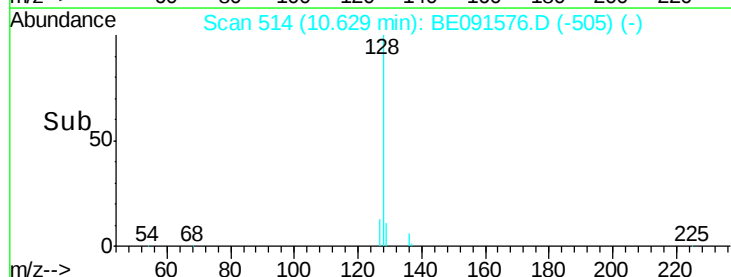
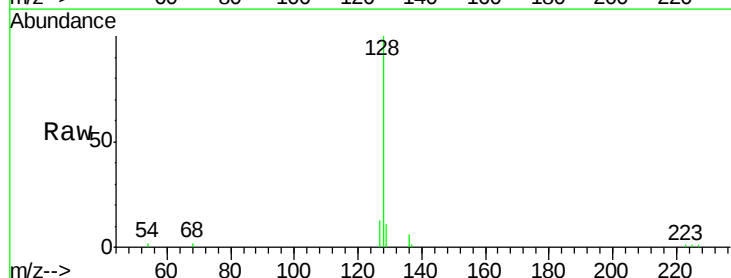
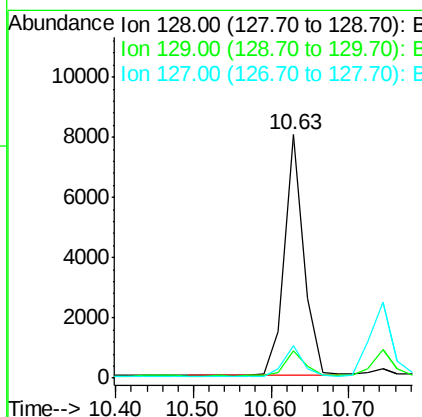
RT: 10.63 min Scan# 514

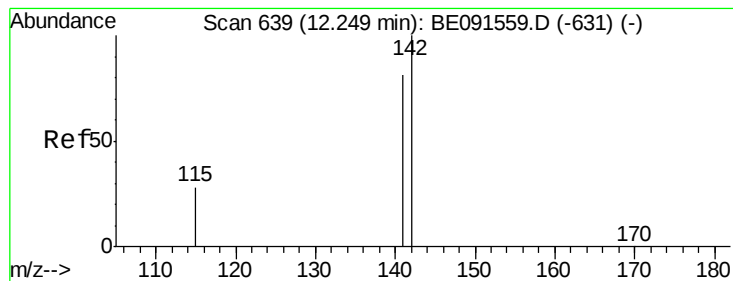
Delta R.T. -0.02 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Tgt Ion:	128	Resp:	13979
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.2	12.2
127	13.5	11.8	17.8





#9

2-Methylnaphthalene

Concen: 0.39 ng

RT: 12.25 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Instrument :

BNA_E

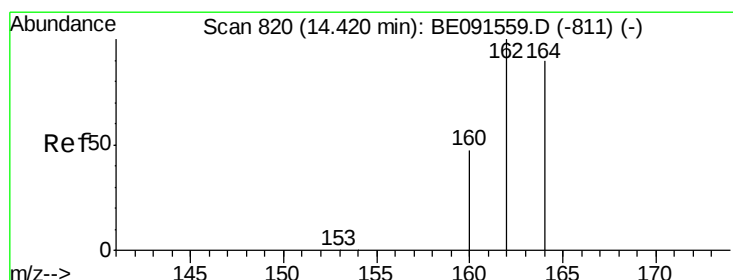
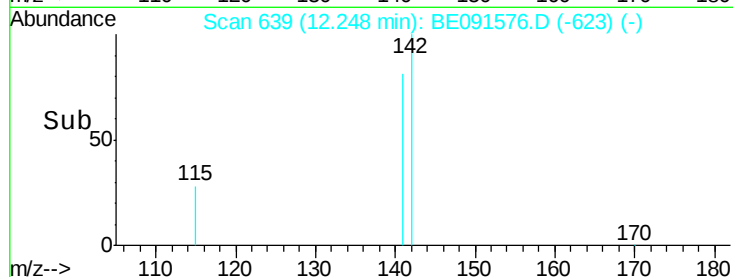
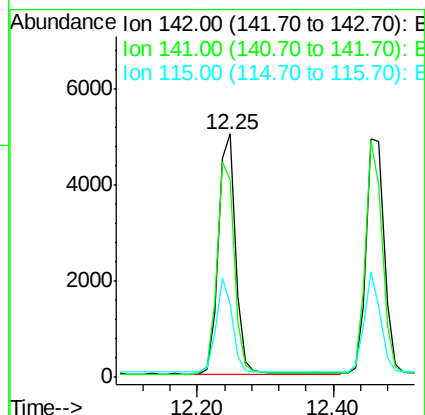
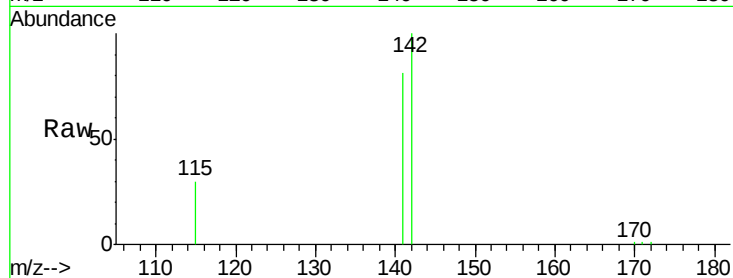
ClientSampleId :

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Tgt Ion:	142	Resp:	8989
Ion Ratio	Lower	Upper	
142	100		
141	80.9	66.9	100.3
115	30.3	25.1	37.7

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#10

Acenaphthene-d10

Concen: 5.00 ng

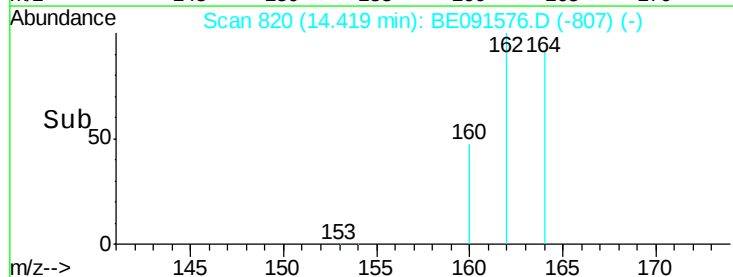
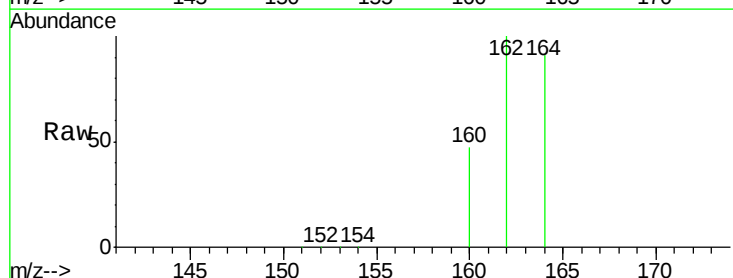
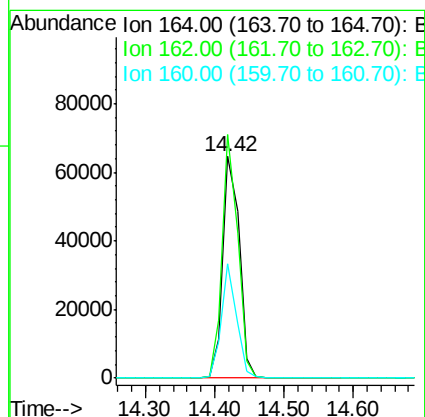
RT: 14.42 min Scan# 820

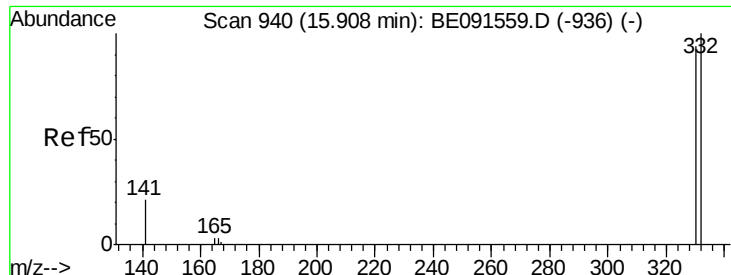
Delta R.T. -0.03 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Tgt Ion:	164	Resp:	106180
Ion Ratio	Lower	Upper	
164	100		
162	110.0	84.4	126.6
160	51.7	37.7	56.5





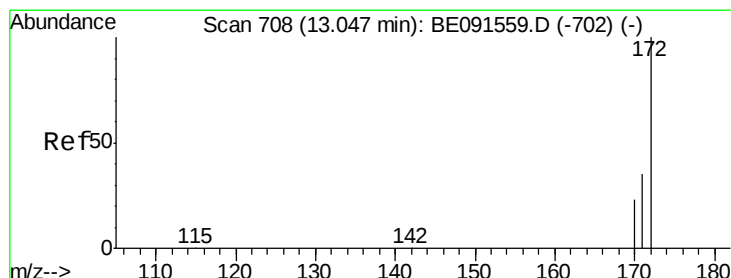
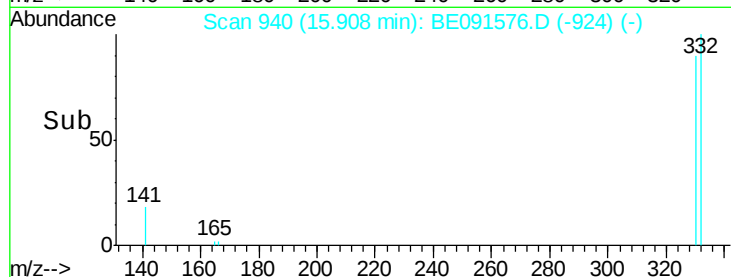
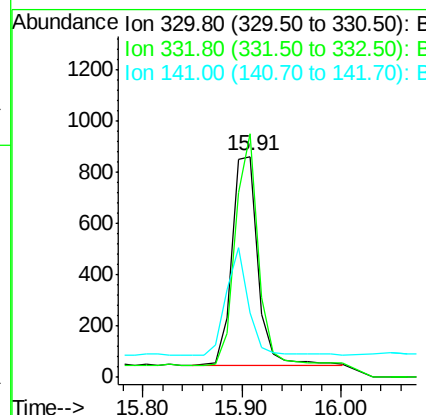
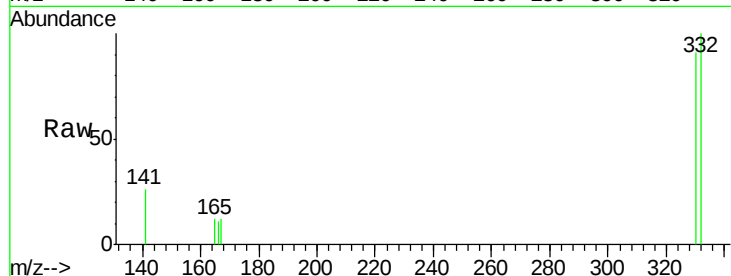
#11
 2,4,6-Tribromophenol
 Concen: 0.31 ng
 RT: 15.91 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: BE091576.D
 Acq: 31 Mar 2016 4:46

Instrument :
 BNA_E
 ClientSampleId :
 SSTDC00.4EC

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.2	118.8
141	43.9	28.1	42.1

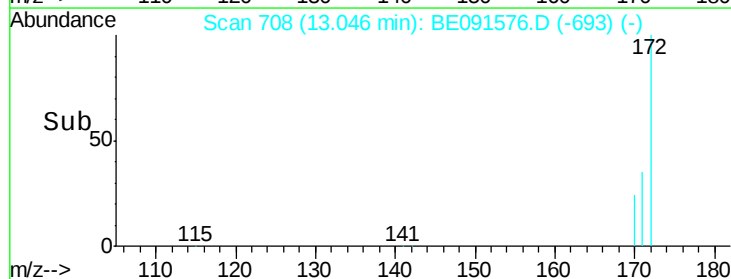
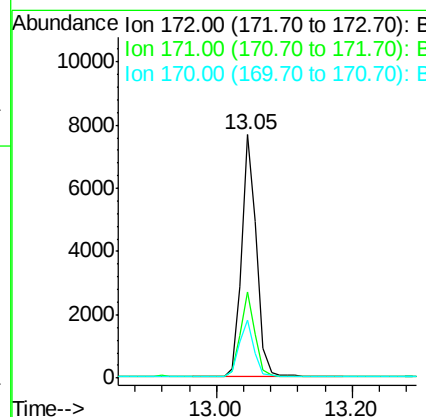
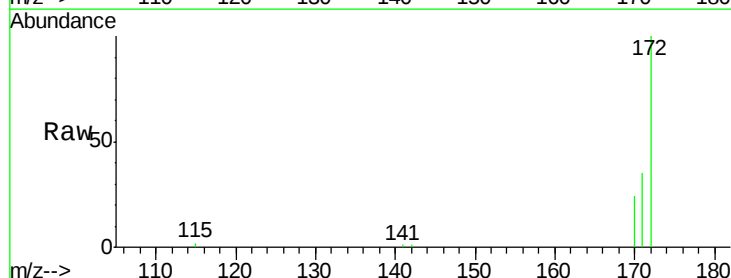
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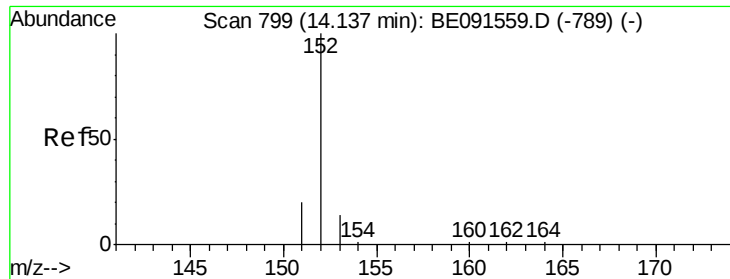
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#12
 2-Fluorobiphenyl
 Concen: 0.39 ng
 RT: 13.05 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: BE091576.D
 Acq: 31 Mar 2016 4:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.8	44.8
170	24.1	21.4	32.2





#13

Acenaphthylene

Concen: 0.40 ng

RT: 14.14 min Scan# 799

Delta R.T. -0.01 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Instrument :

BNA_E

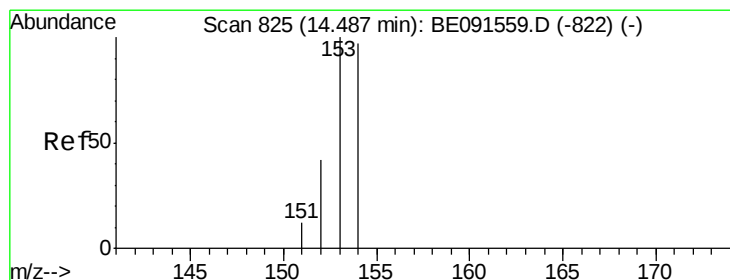
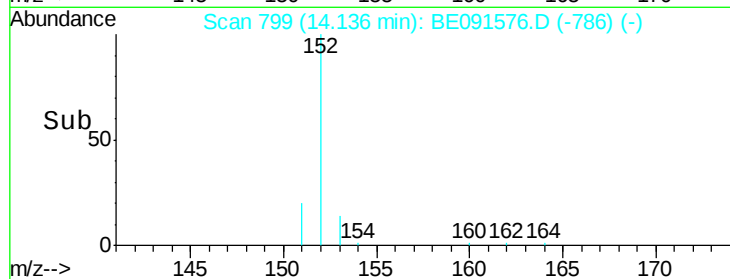
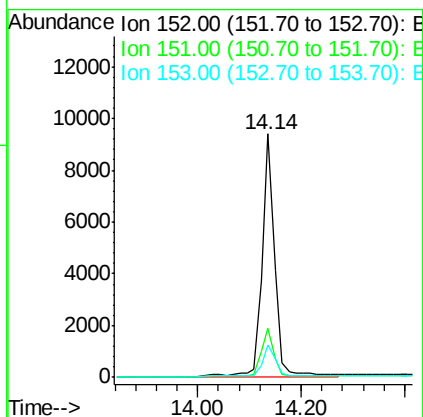
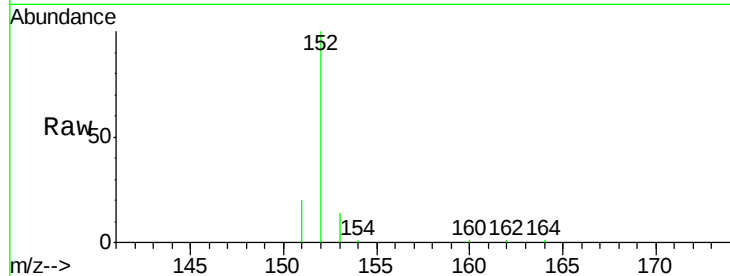
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.8	16.3	24.5
153	18.3	11.1	16.7#

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#14

Acenaphthene

Concen: 0.40 ng

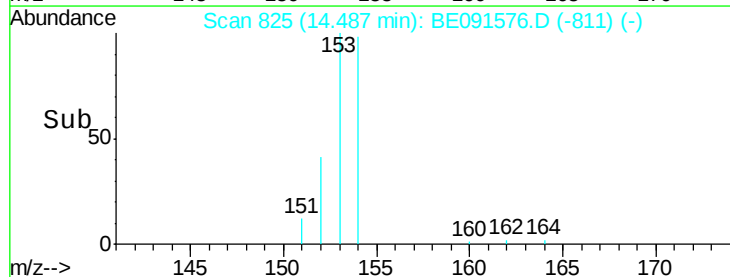
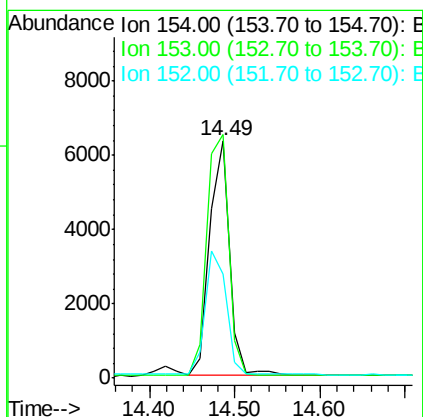
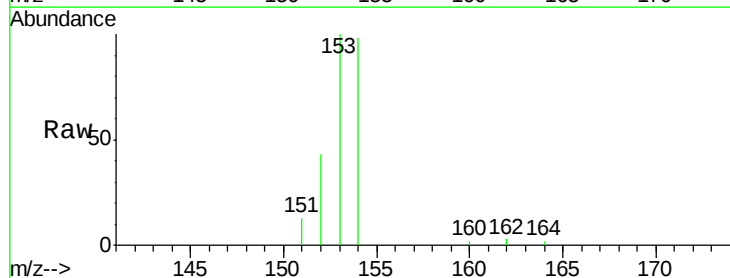
RT: 14.49 min Scan# 825

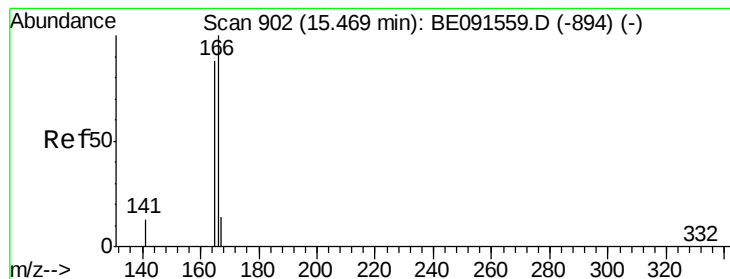
Delta R.T. -0.01 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.9	87.3	130.9
152	55.1	42.9	64.3





#15

Fluorene

Concen: 0.39 ng

RT: 15.46 min Scan# 901

Delta R.T. -0.02 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Instrument :

BNA_E

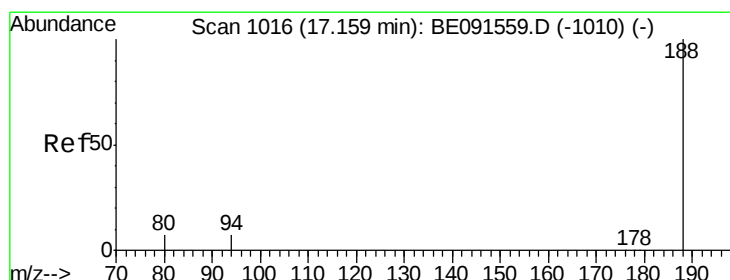
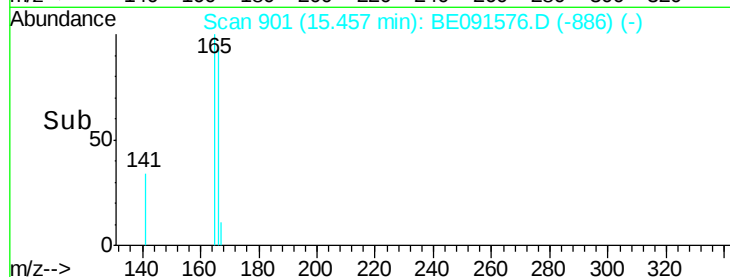
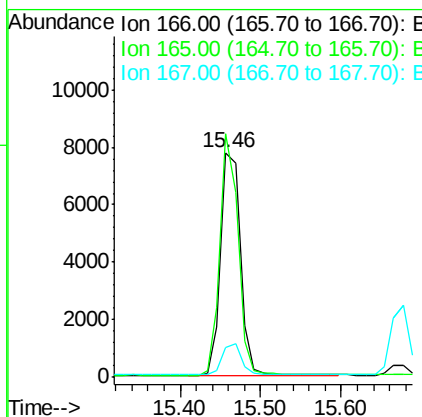
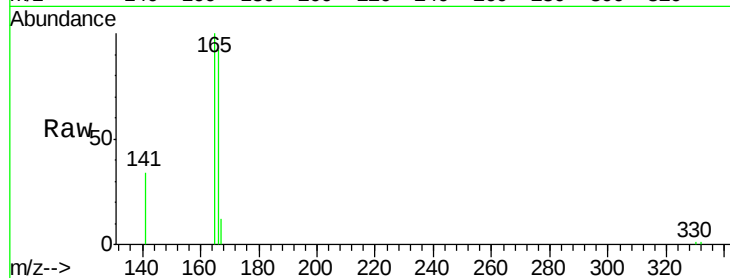
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	166	Resp:	13252
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.2	118.8
167	13.5	10.8	16.2

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#16

Phenanthrene-d10

Concen: 5.00 ng

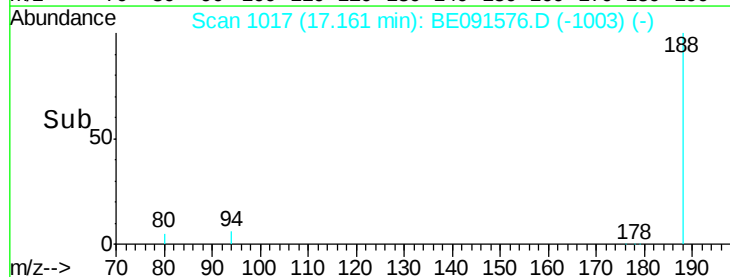
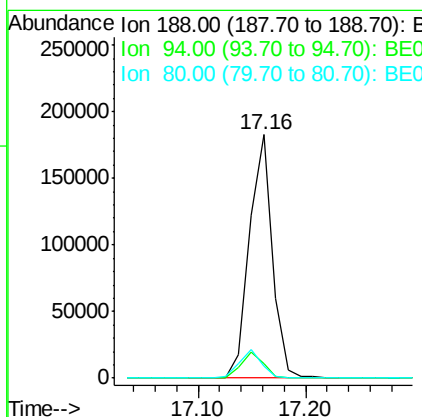
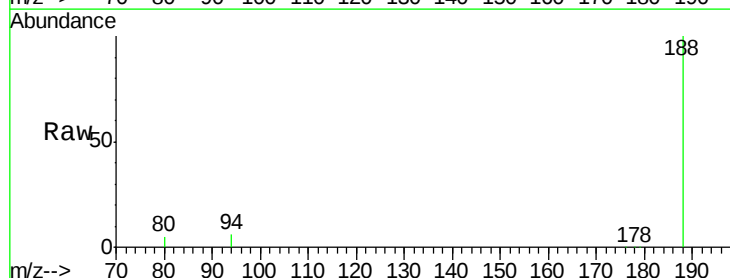
RT: 17.16 min Scan# 1017

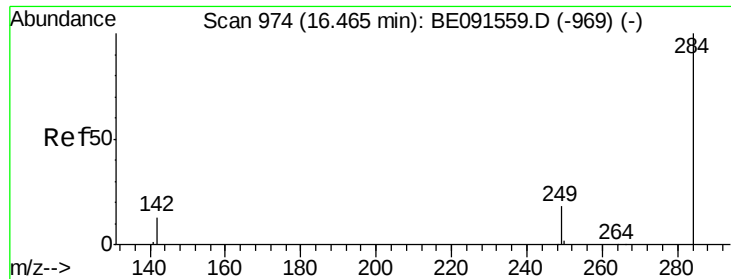
Delta R.T. -0.01 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Tgt Ion:	188	Resp:	272172
Ion Ratio	Lower	Upper	
188	100		
94	5.9	5.4	8.2
80	5.1	5.0	7.4





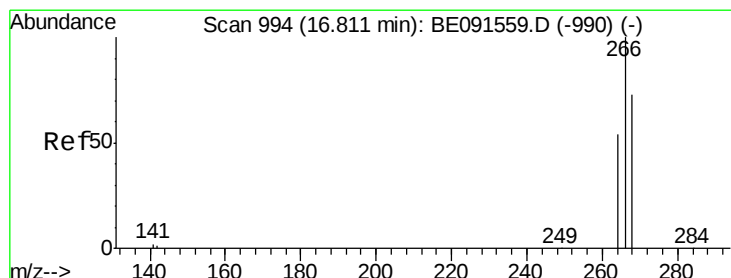
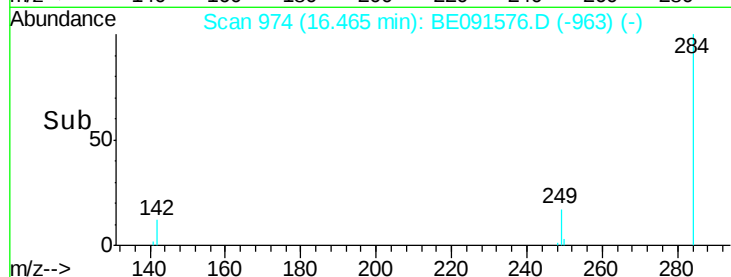
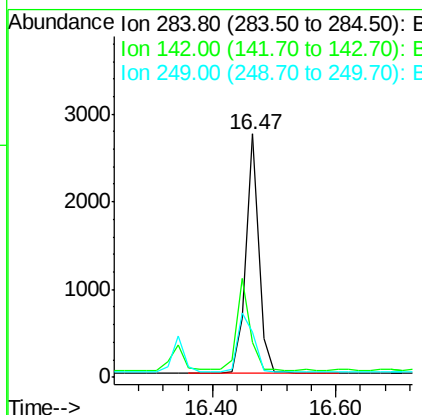
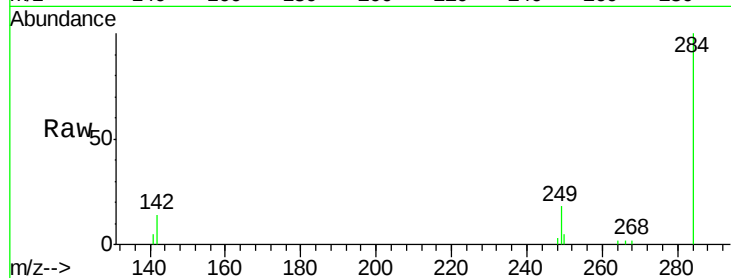
#17
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.47 min Scan# 974
Delta R.T. -0.02 min
Lab File: BE091576.D
Acq: 31 Mar 2016 4:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	3917		
142	40.2	31.0	46.4	
249	31.4	25.8	38.8	

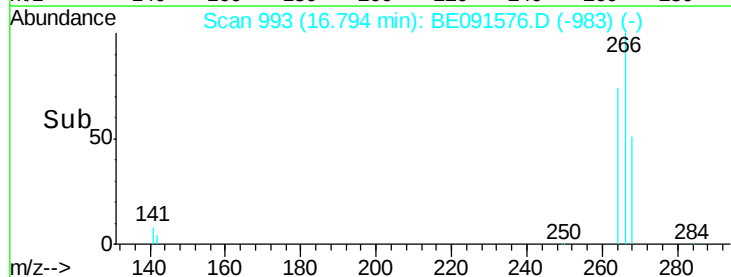
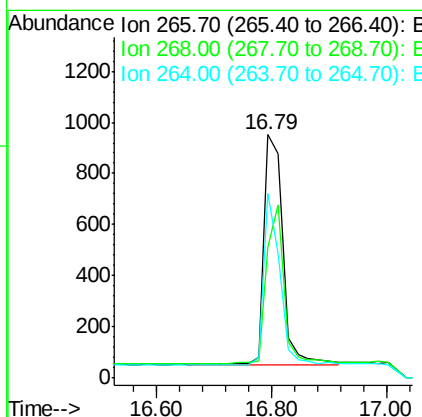
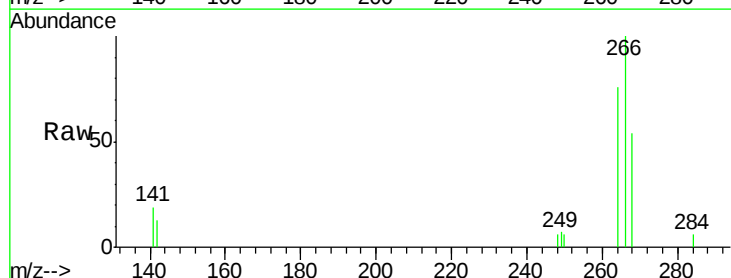
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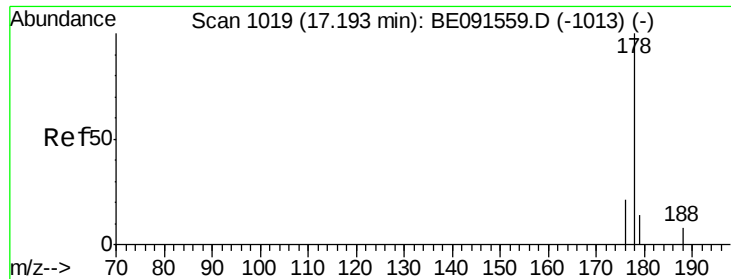
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#18
Pentachlorophenol
Concen: 0.37 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.03 min
Lab File: BE091576.D
Acq: 31 Mar 2016 4:46

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	2057		
268	54.0	48.2	72.2	
264	75.7	52.1	78.1	





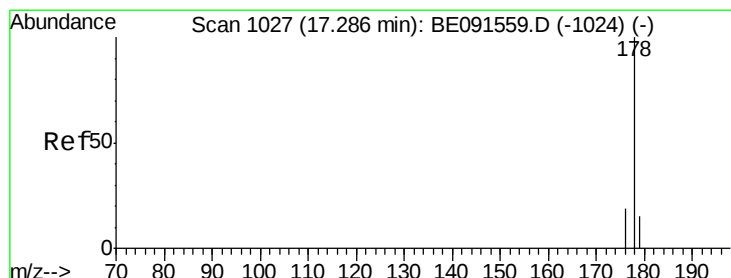
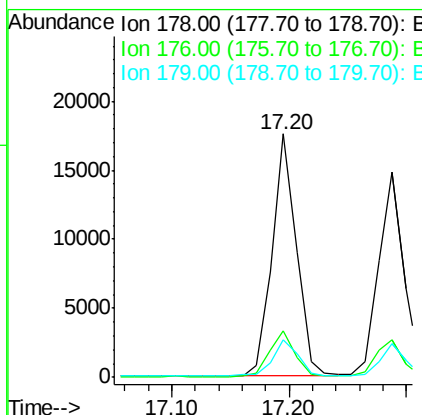
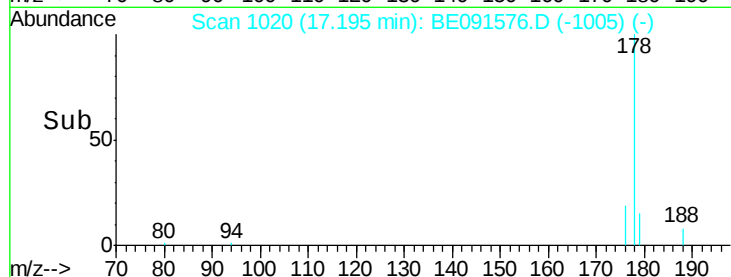
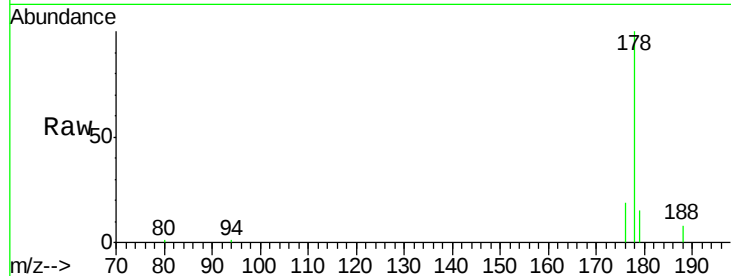
#19
Phenanthrene
Concen: 0.40 ng
RT: 17.20 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE091576.D
Acq: 31 Mar 2016 4:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	16.1	13.1	19.7

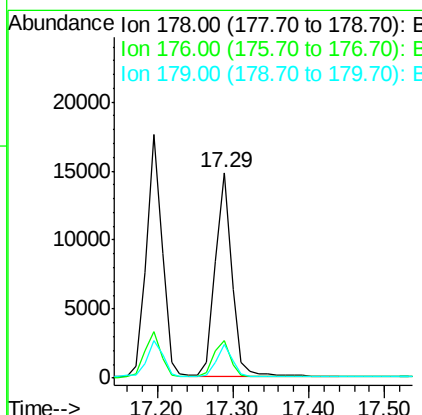
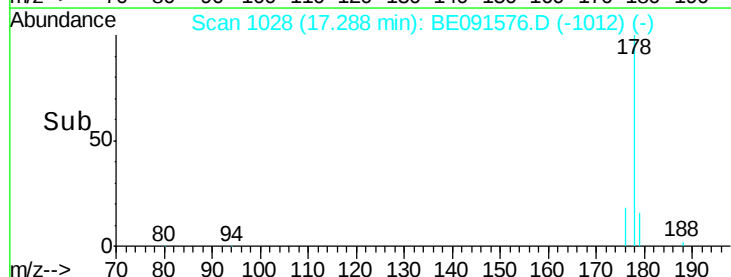
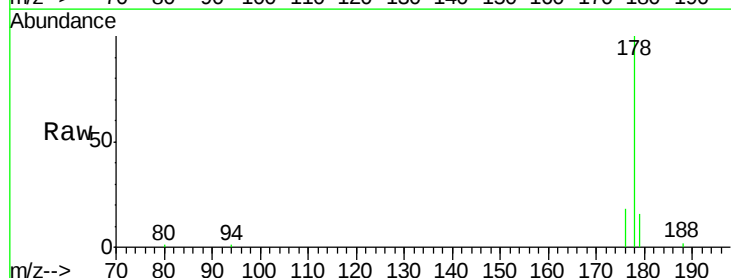
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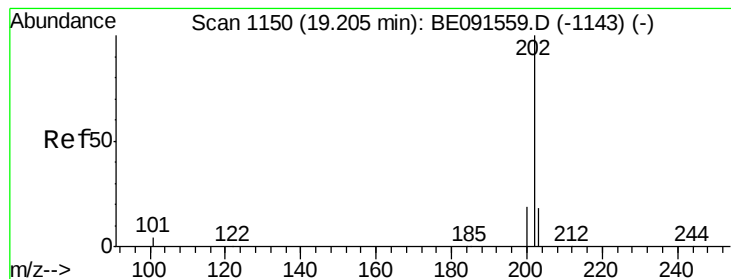
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#20
Anthracene
Concen: 0.39 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BE091576.D
Acq: 31 Mar 2016 4:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.0	12.2	18.4





#21

Fluoranthene

Concen: 0.39 ng

RT: 19.20 min Scan# 1151

Delta R.T. -0.02 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Instrument :

BNA_E

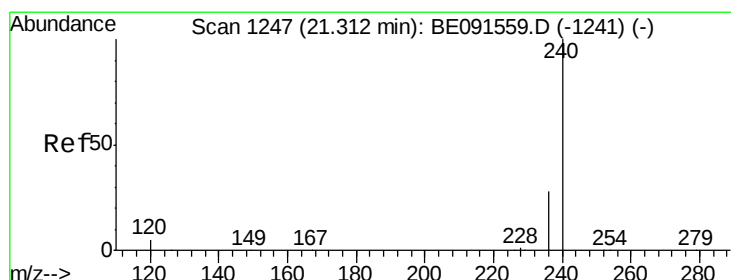
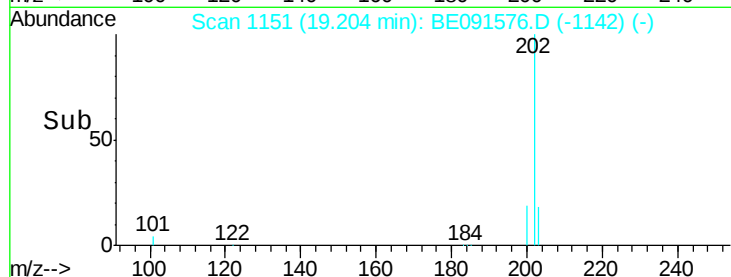
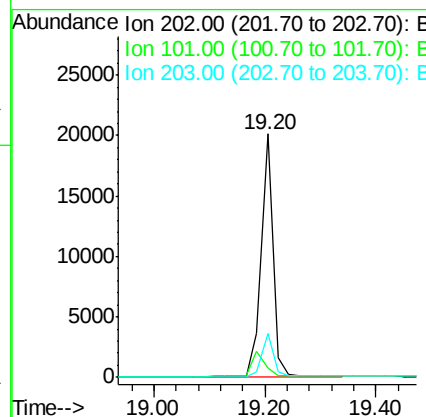
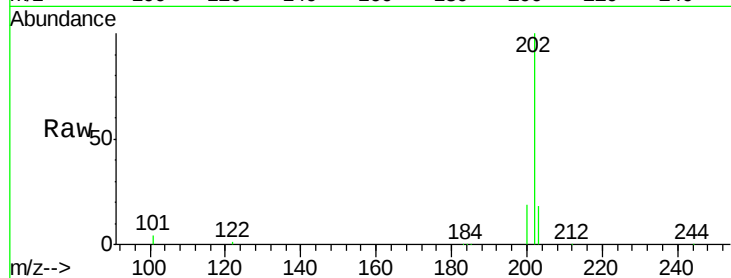
ClientSampleId :

SSTDCCC0.4EC

Tgt	Ion	202	Resp:	29507
Ion	Ratio	Lower	Upper	
202	100			
101	11.4	8.3	12.5	
203	17.7	13.9	20.9	

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#22

Chrysene-d12

Concen: 5.00 ng

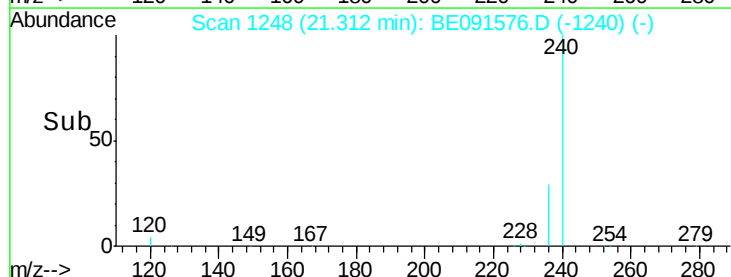
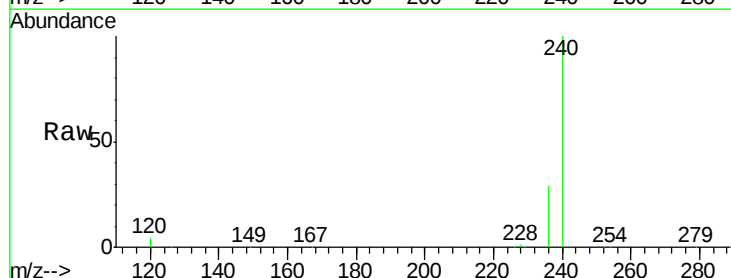
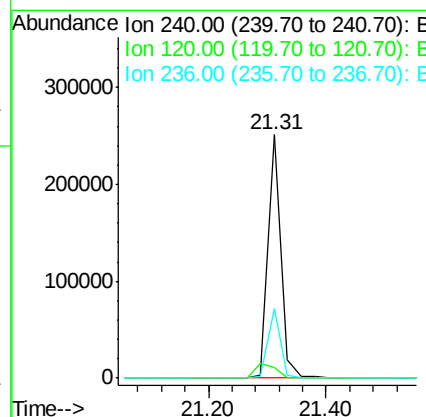
RT: 21.31 min Scan# 1248

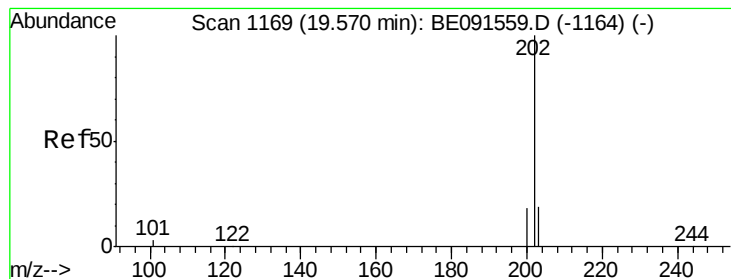
Delta R.T. -0.02 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Tgt	Ion	240	Resp:	383127
Ion	Ratio	Lower	Upper	
240	100			
120	4.2	4.0	6.0	
236	28.6	23.0	34.4	





#23

Pyrene

Concen: 0.39 ng

RT: 19.57 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Instrument :

BNA_E

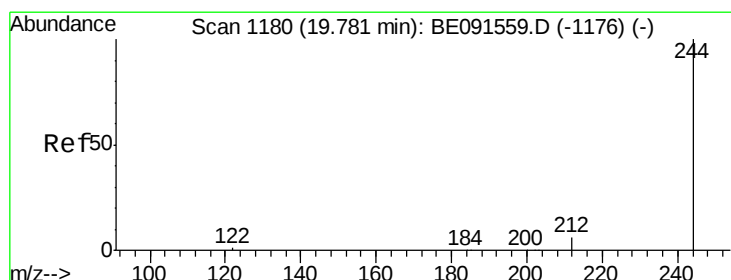
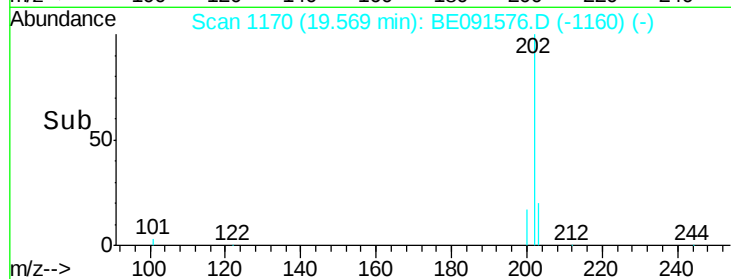
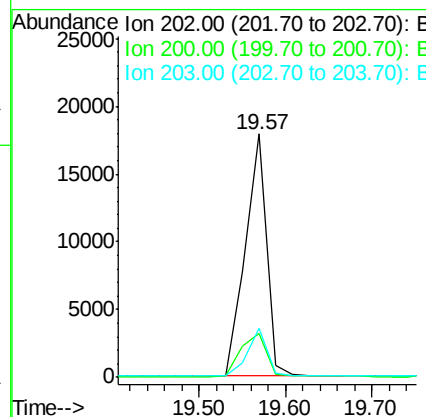
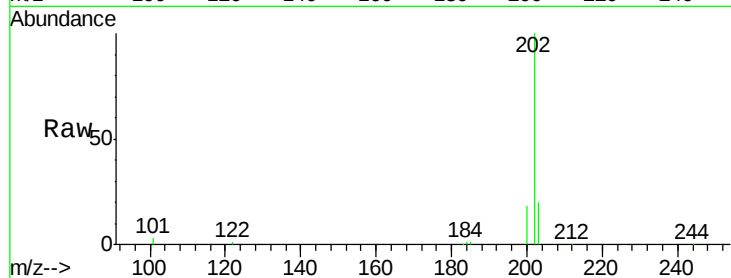
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	202	Resp:	30788
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.4	24.6
203	18.3	14.6	21.8

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#24

Terphenyl-d14

Concen: 0.38 ng

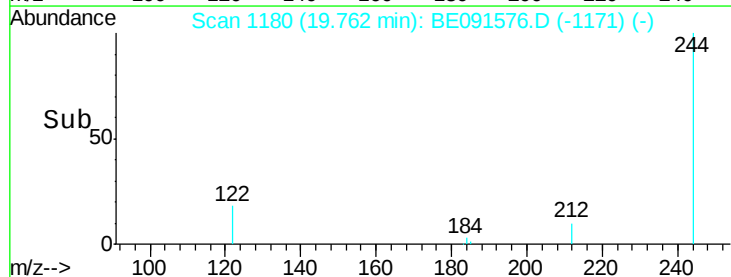
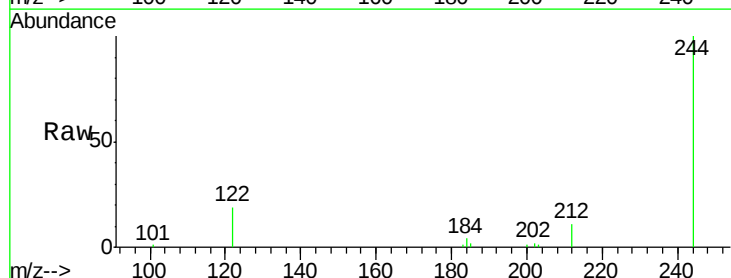
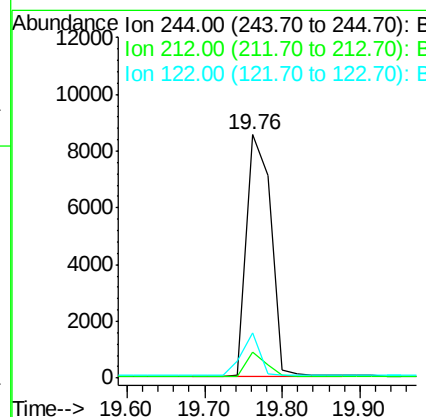
RT: 19.76 min Scan# 1180

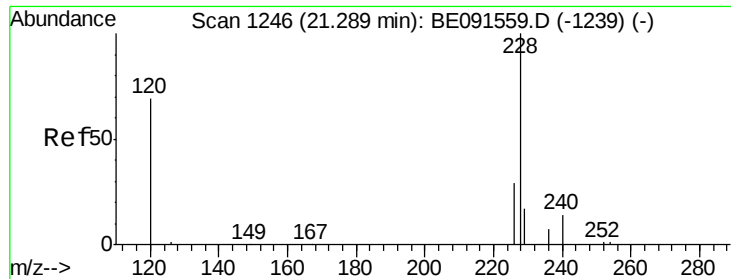
Delta R.T. -0.02 min

Lab File: BE091576.D

Acq: 31 Mar 2016 4:46

Tgt Ion:	244	Resp:	18575
Ion Ratio	Lower	Upper	
244	100		
212	10.6	5.8	8.8#
122	18.7	1.8	2.8#





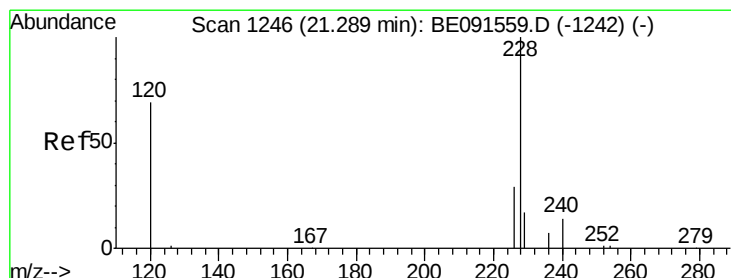
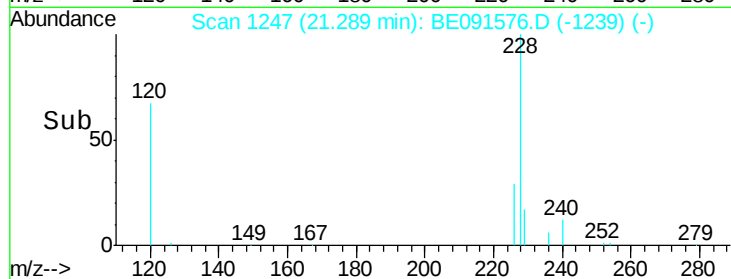
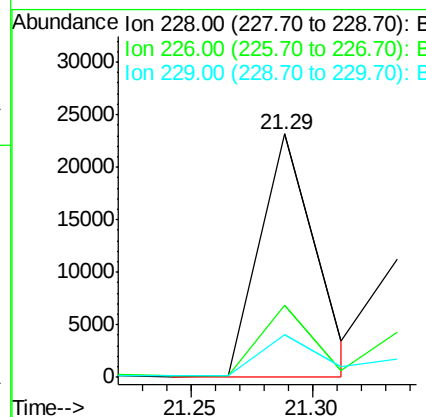
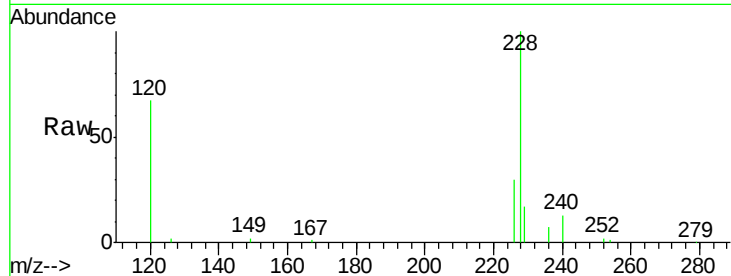
#25
Benzo(a)anthracene
Concen: 0.41 ng m
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091576.D
Acq: 31 Mar 2016 4:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	17.5	13.8	20.6

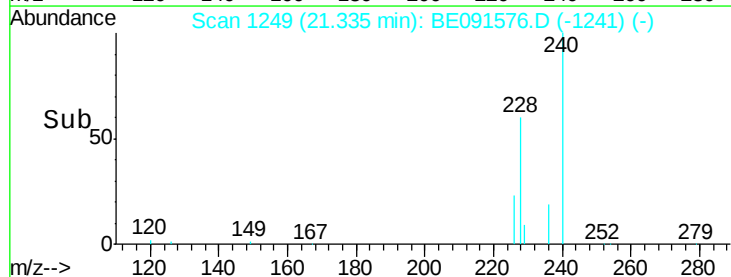
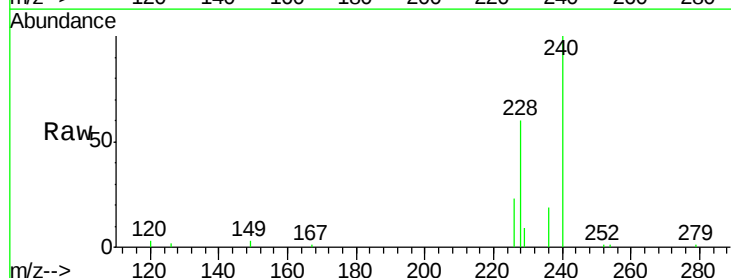
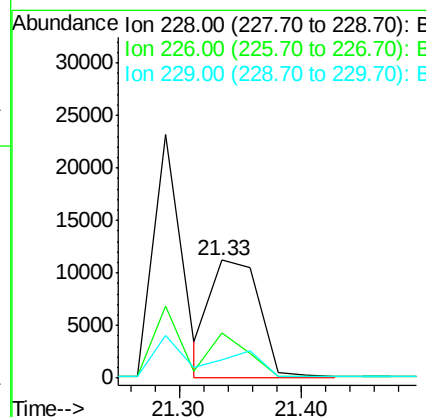
Manual Integrations
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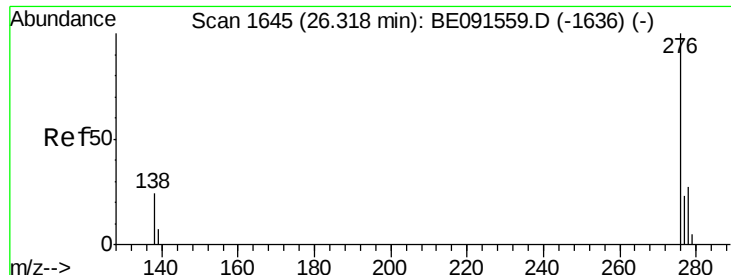
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#26
Chrysene
Concen: 0.41 ng m
RT: 21.33 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BE091576.D
Acq: 31 Mar 2016 4:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.8	18.9	28.3#
229	15.8	19.1	28.7#





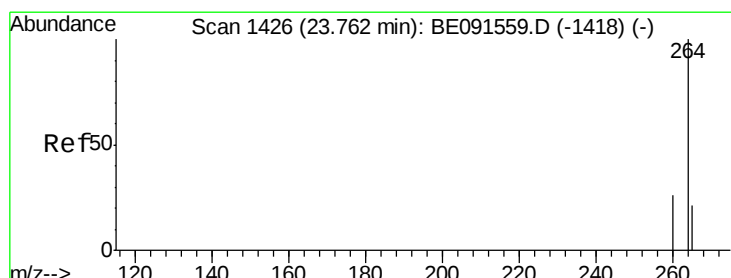
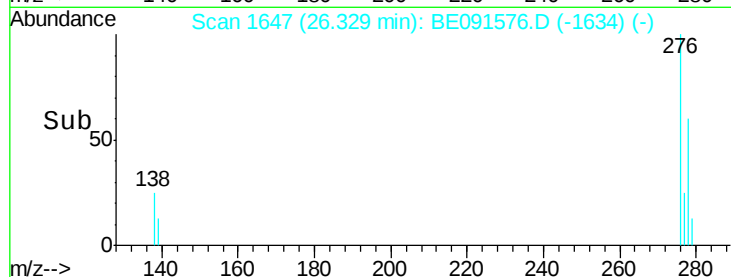
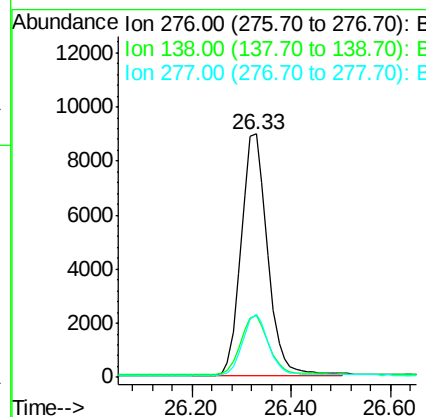
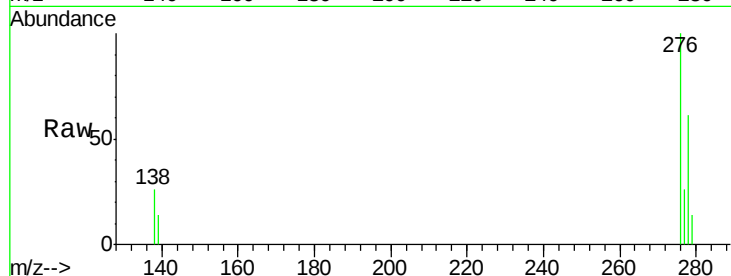
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.37 ng
 RT: 26.33 min Scan# 1647
 Delta R.T. -0.05 min
 Lab File: BE091576.D
 Acq: 31 Mar 2016 4:46

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.5	20.2	30.4
277	25.0	19.8	29.8

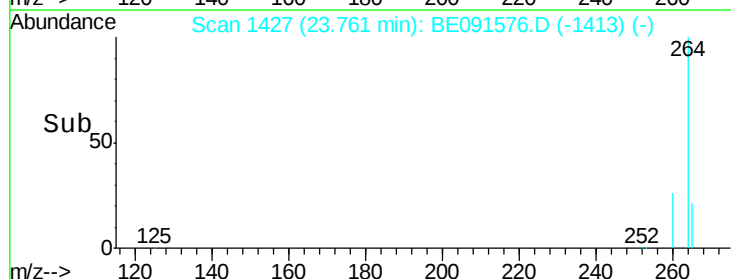
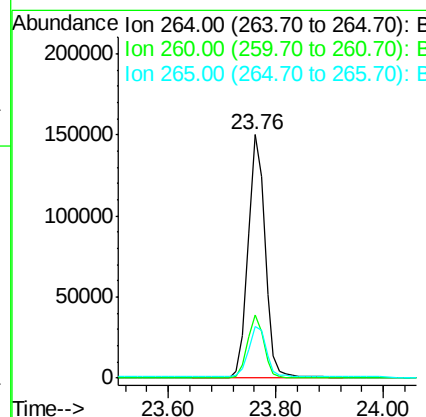
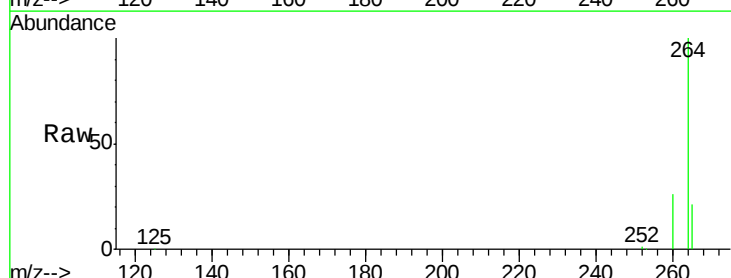
Manual Integrations
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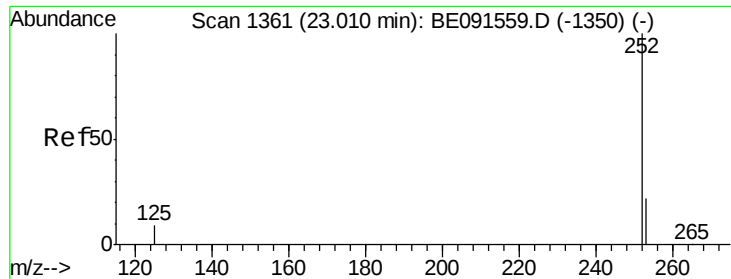
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#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.76 min Scan# 1427
 Delta R.T. -0.03 min
 Lab File: BE091576.D
 Acq: 31 Mar 2016 4:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.9	20.1	30.1
265	21.5	18.3	27.5





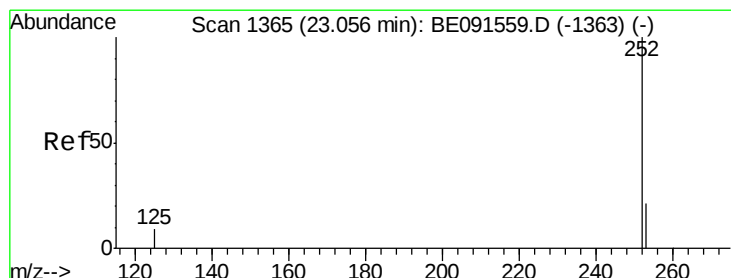
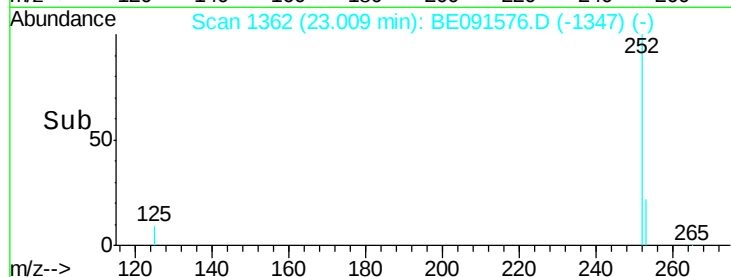
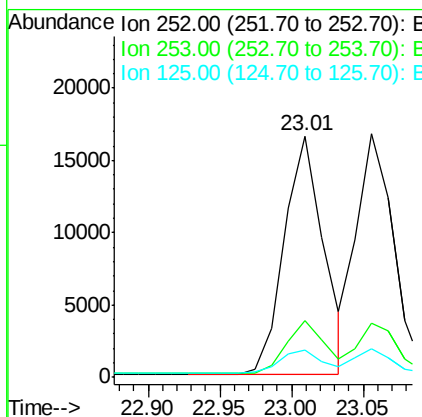
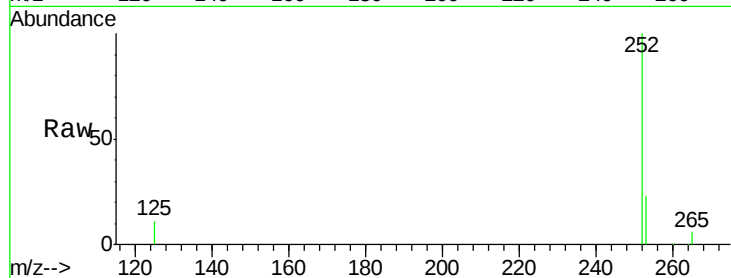
#29
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.01 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BE091576.D
Acq: 31 Mar 2016 4:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.7	28.1
125	11.3	9.8	14.6

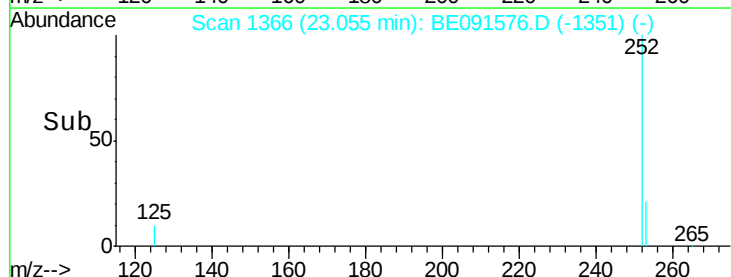
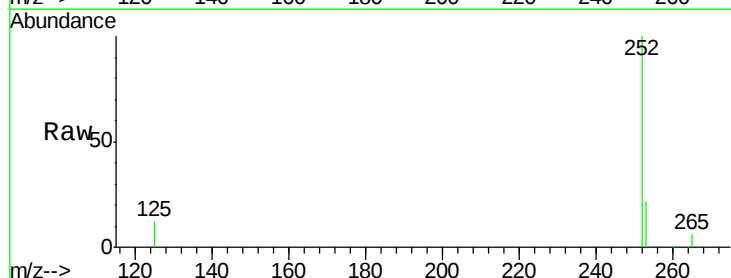
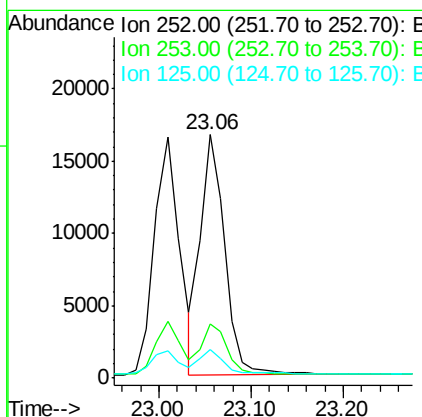
Manual Integrations
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#30
Benzo(k)fluoranthene
Concen: 0.39 ng
RT: 23.06 min Scan# 1366
Delta R.T. -0.02 min
Lab File: BE091576.D
Acq: 31 Mar 2016 4:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	20.2	30.4
125	11.5	9.4	14.2





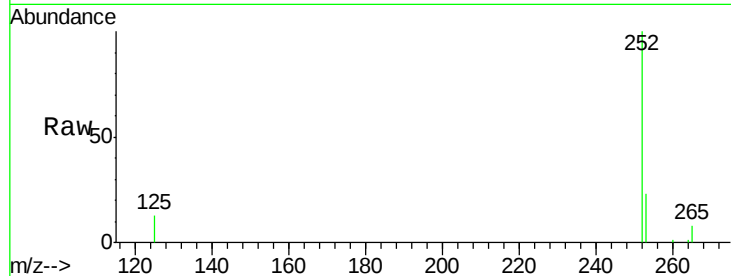
#31
Benzo(a)pyrene
Concen: 0.40 ng
RT: 23.65 min Scan# 1417
Delta R.T. -0.03 min
Lab File: BE091576.D
Acq: 31 Mar 2016 4:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

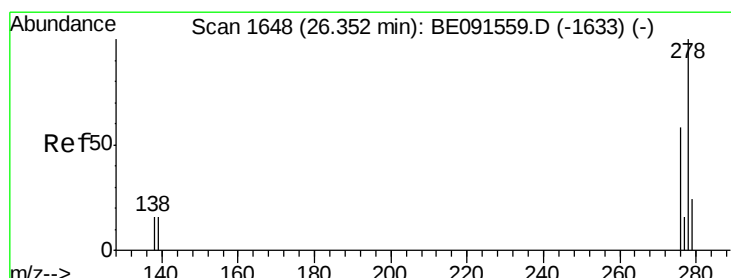
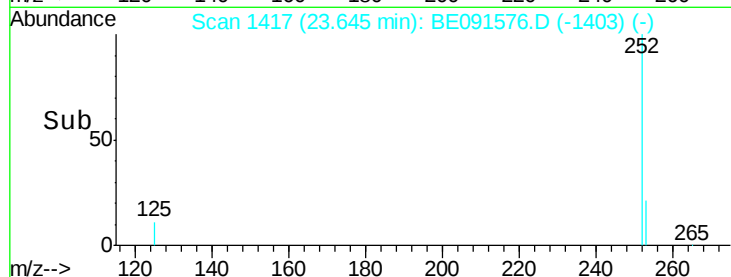
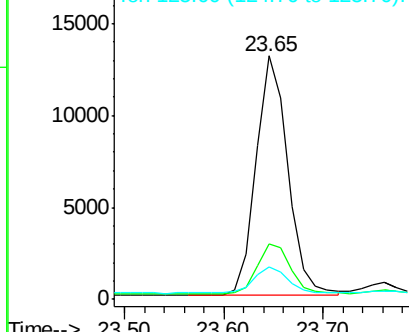
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.4	29.0
125	13.4	11.4	17.2

Manual Integrations
APPROVED

Sohil
3/31/2016 4:56:40 PM



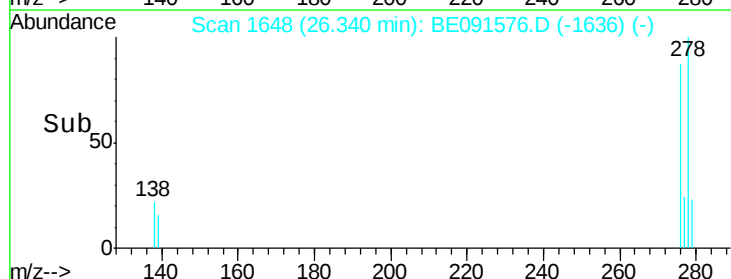
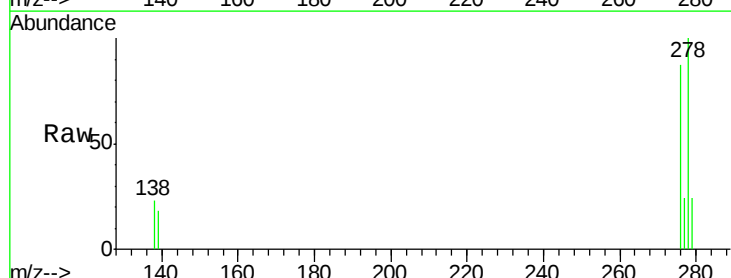
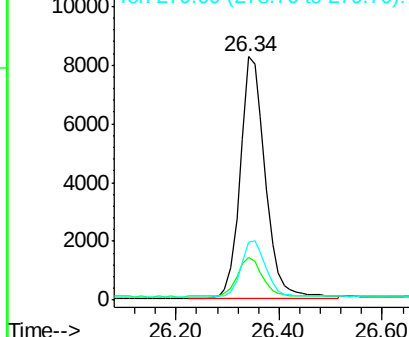
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

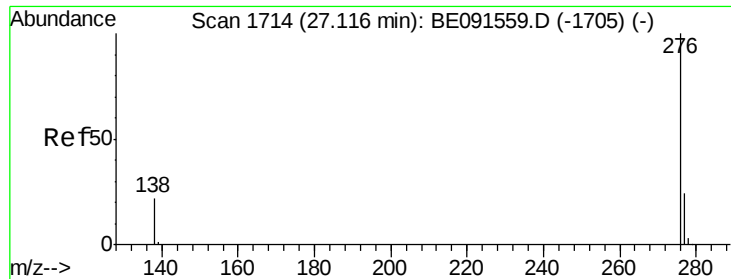


#32
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.34 min Scan# 1648
Delta R.T. -0.06 min
Lab File: BE091576.D
Acq: 31 Mar 2016 4:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.2	21.4
279	23.6	19.6	29.4

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#33

Benzo(g,h,i)perylene

Concen: 0.39 ng

RT: 27.12 min Scan# 1715

Delta R.T. -0.05 min

Lab File: BE091576.D

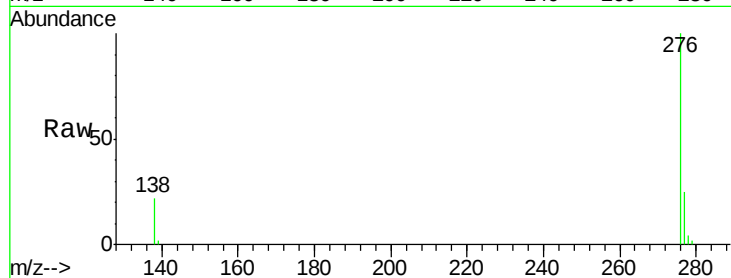
Acq: 31 Mar 2016 4:46

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion:	276	Resp:	28337
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.4	29.2
138	21.8	18.2	27.4

Manual Integrations
APPROVED

Sohil
3/31/2016 4:56:40 PM

