

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
 Data File : BE092199.D
 Acq On : 5 Aug 2016 1:34
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Manual Integrations
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Quant Time: Aug 05 04:03:28 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 16:59:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	9564	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	46388	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	26996	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	60902	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	71126	5.00	ng	0.00
28) Perylene-d12	24.14	264	68136	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.71	112	854	0.35	ng	0.01
5) Phenol-d6	7.36	99	1149	0.35	ng	0.01
7) Nitrobenzene-d5	9.35	82	1273m	0.35	ng	0.00
11) 2,4,6-Tribromophenol	16.33	330	309	0.35	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	3287	0.38	ng	0.00
24) Terphenyl-d14	20.19	244	4421	0.43	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.45	88	519	0.40	ng	93
3) n-Nitrosodimethylamine	3.80	42	547	0.39	ng	99
8) Naphthalene	11.03	128	4091	0.40	ng	99
9) 2-Methylnaphthalene	12.65	142	2574	0.40	ng	# 86
13) Acenaphthylene	14.56	152	18265	0.38	ng	98
14) Acenaphthene	14.90	154	3000	0.40	ng	# 100
15) Fluorene	15.88	166	3627	0.38	ng	98
17) Hexachlorobenzene	16.89	284	1158m	0.39	ng	
18) Pentachlorophenol	17.24	266	297	0.45	ng	93
19) Phenanthrene	17.61	178	7039	0.39	ng	100
20) Anthracene	17.70	178	6018	0.37	ng	99
21) Fluoranthene	19.63	202	27471	0.37	ng	97
23) Pvrene	19.99	202	29947	0.40	ng	99
25) Benzo(a)anthracene	21.72	228	30085	0.38	ng	92
26) Chrysene	21.77	228	30495	0.39	ng	# 86
27) Indeno(1,2,3-cd)pyrene	26.65	276	31148	0.37	ng	99
29) Benzo(b)fluoranthene	23.40	252	6770	0.36	ng	97
30) Benzo(k)fluoranthene	23.46	252	7528	0.40	ng	98
31) Benzo(a)pvrene	24.02	252	6798	0.40	ng	# 96
32) Dibenzo(a,h)anthracene	26.67	278	6204	0.38	ng	98
33) Benzo(g,h,i)perylene	27.42	276	26983	0.39	ng	96

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

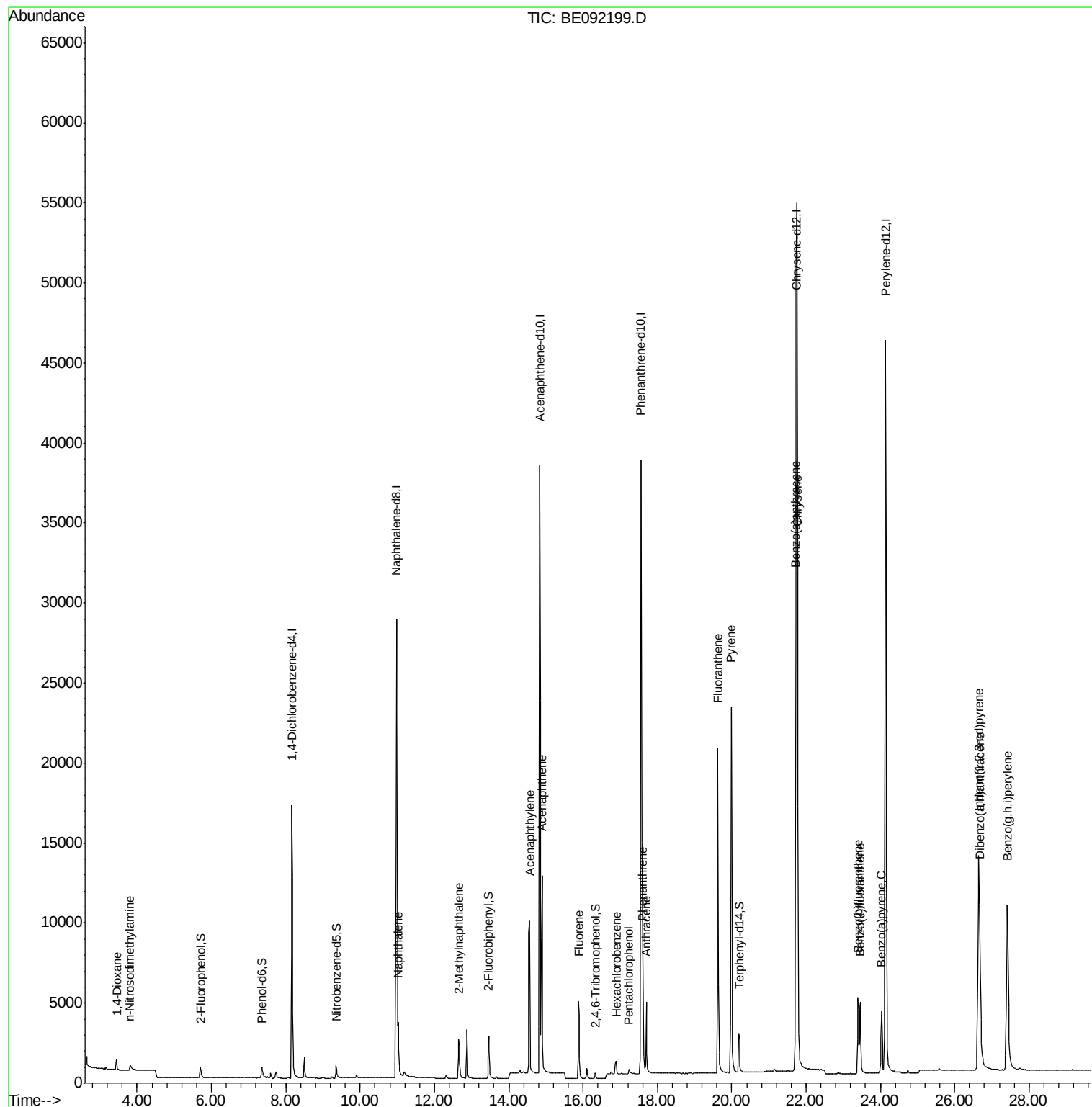
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QLast Update : Tue Aug 02 16:59:37 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Instrument :

BNA_E

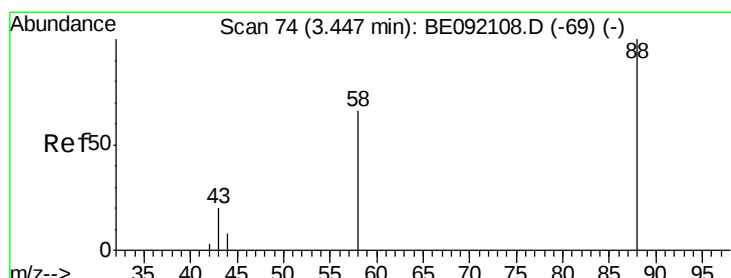
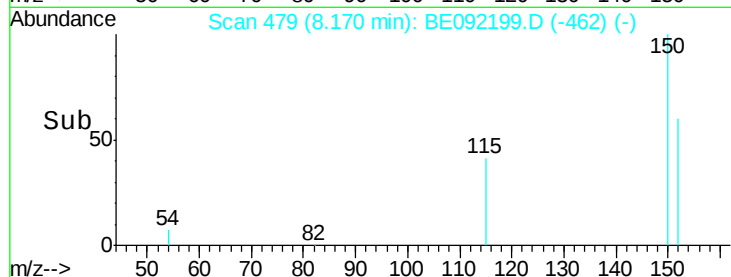
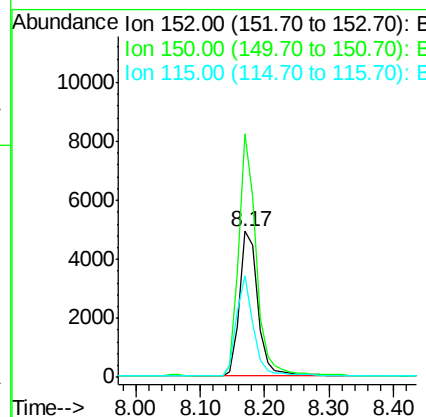
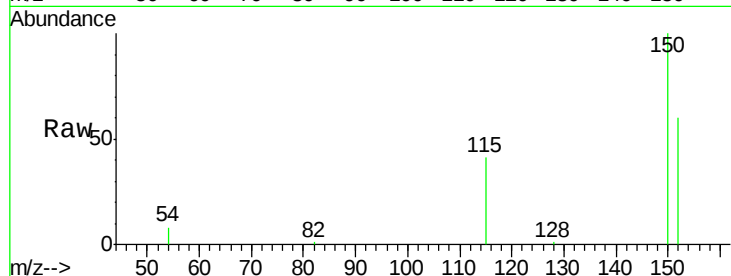
ClientSampleId :

SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.7	106.0	159.0#
115	69.1	36.9	55.3#

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#2

1,4-Dioxane

Concen: 0.40 ng

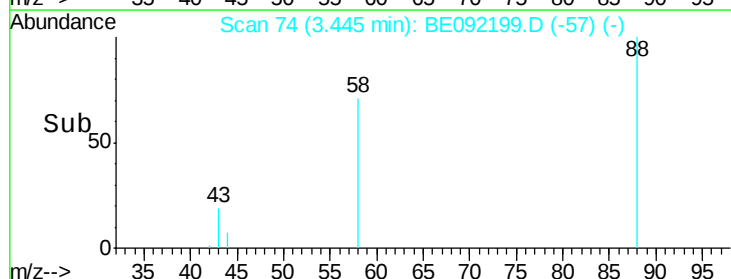
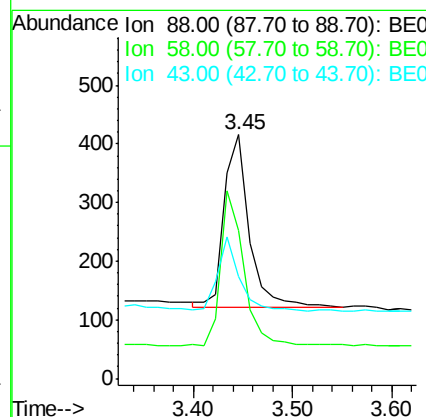
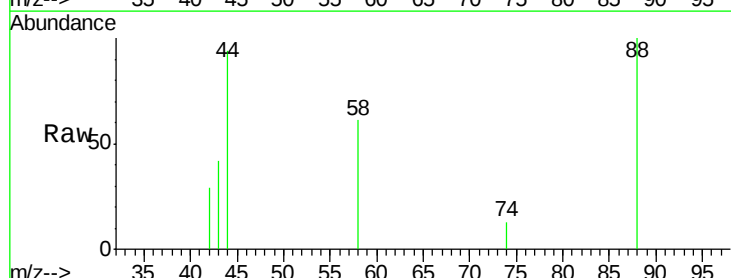
RT: 3.45 min Scan# 74

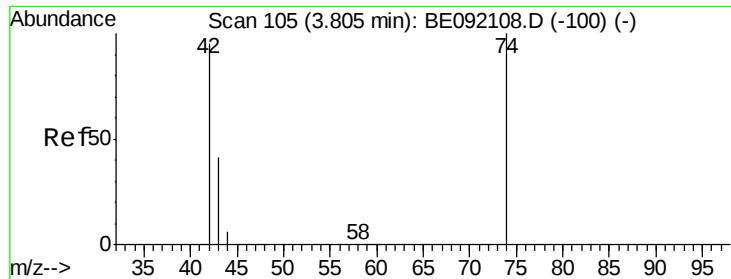
Delta R.T. -0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.0	62.1	93.1
43	37.4	27.2	40.8





#3

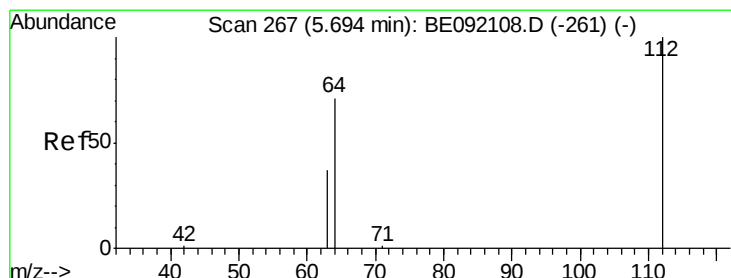
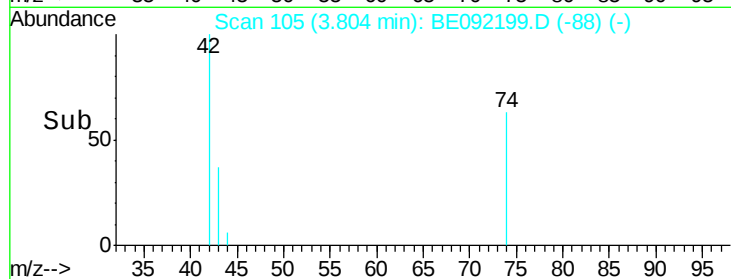
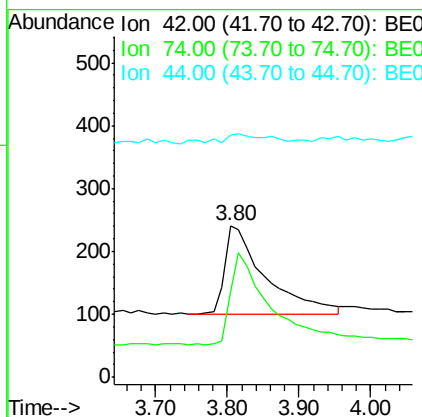
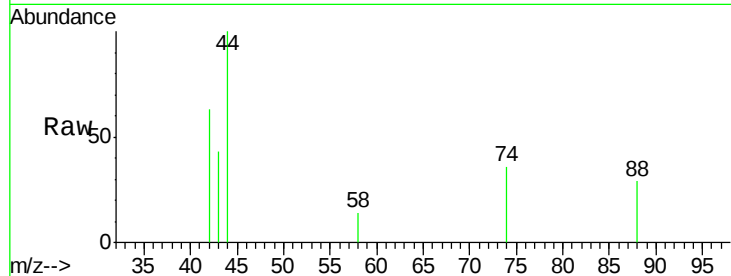
n-Nitrosodimethylamine
Concen: 0.39 ng
RT: 3.80 min Scan# 105
Delta R.T. -0.00 min
Lab File: BE092199.D
Acq: 5 Aug 2016 1:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
42	100		
74	102.0	82.8	124.2
44	11.7	9.0	13.4

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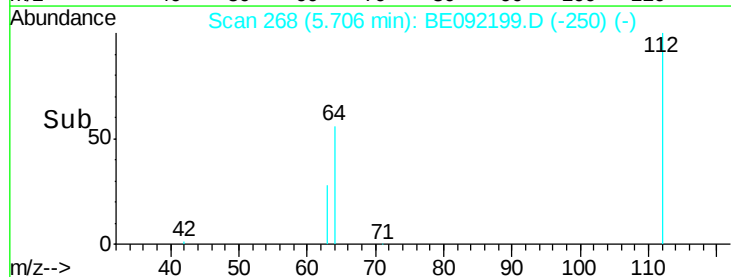
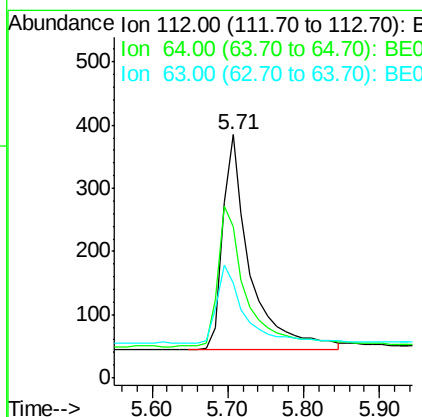
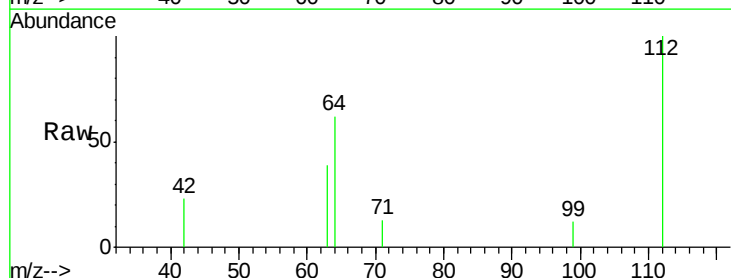
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#4

2-Fluorophenol
Concen: 0.35 ng
RT: 5.71 min Scan# 268
Delta R.T. 0.01 min
Lab File: BE092199.D
Acq: 5 Aug 2016 1:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	55.9	83.9
63	36.5	31.1	46.7





#5

Phenol-d6

Concen: 0.35 ng

RT: 7.36 min Scan# 411

Delta R.T. 0.01 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Instrument :

BNA_E

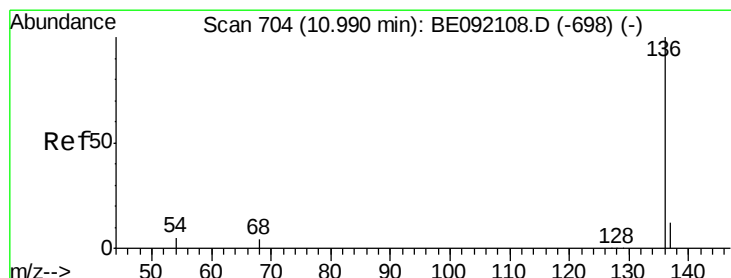
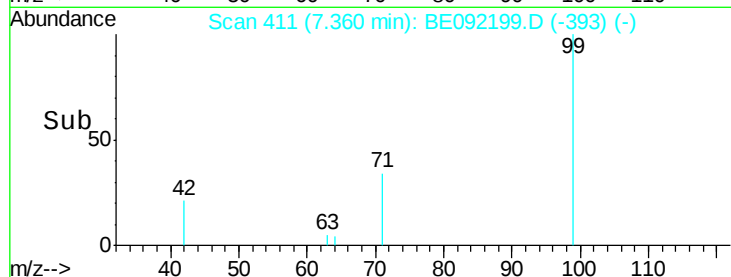
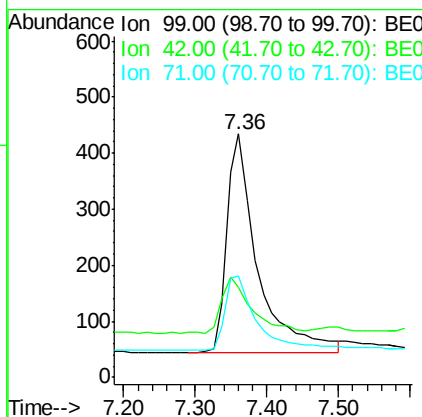
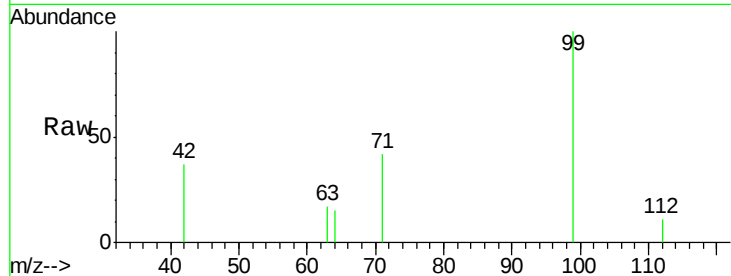
ClientSampleId :

SSTDCCC0.4EC

Tot Ion:	99	Resp:	1149
Ion	Ratio	Lower	Upper
99	100		
42	25.5	22.4	33.6
71	35.9	28.9	43.3

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#6

Naphthalene-d8

Concen: 5.00 ng

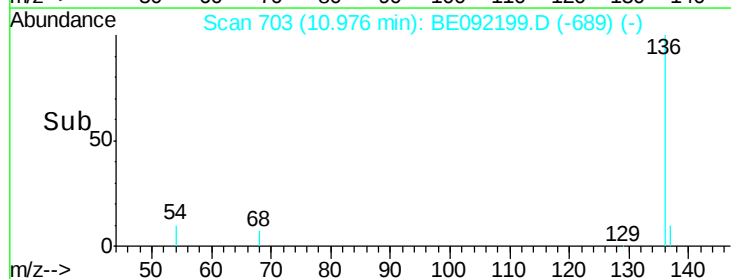
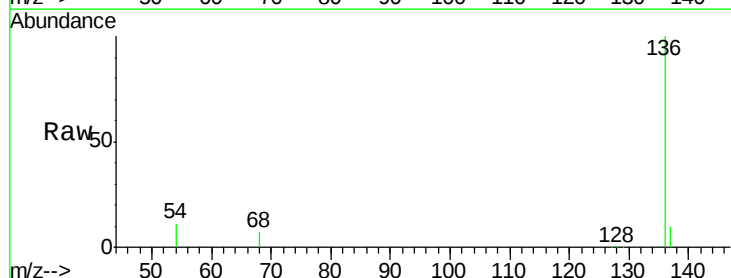
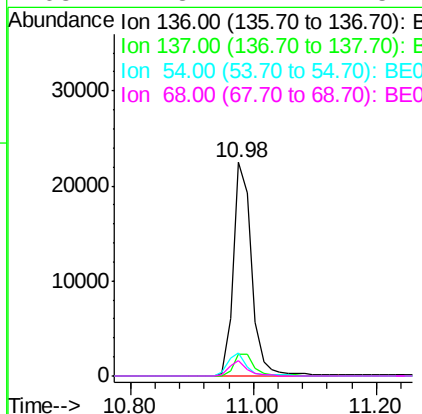
RT: 10.98 min Scan# 703

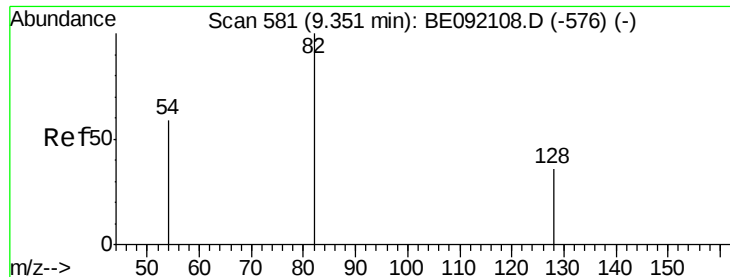
Delta R.T. -0.01 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Tgt Ion:	136	Resp:	46388
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	10.5	2.7	4.1#
68	7.3	2.2	3.4#





#7

Nitrobenzene-d5

Concen: 0.35 ng

RT: 9.35 min Scan# 581

Delta R.T. -0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Instrument :

BNA_E

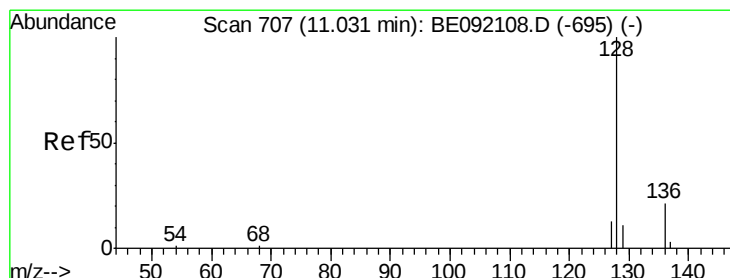
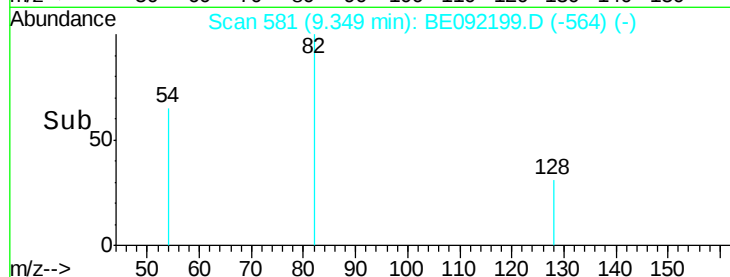
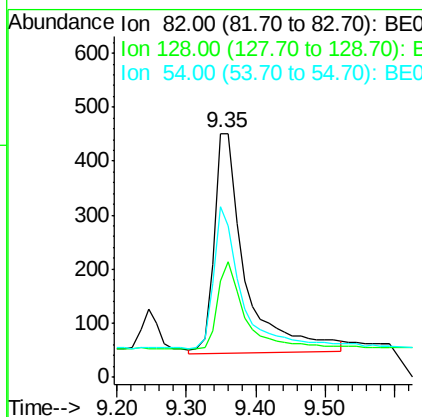
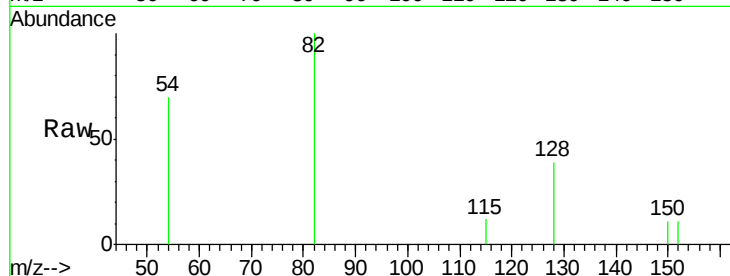
ClientSampleId :

SSTDCCC0.4EC

Tot Ion:	82	Resp:	1273
Ion Ratio	Lower	Upper	
82	100		
128	39.5	33.0	49.4
54	69.8	42.6	63.8

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#8

Naphthalene

Concen: 0.40 ng

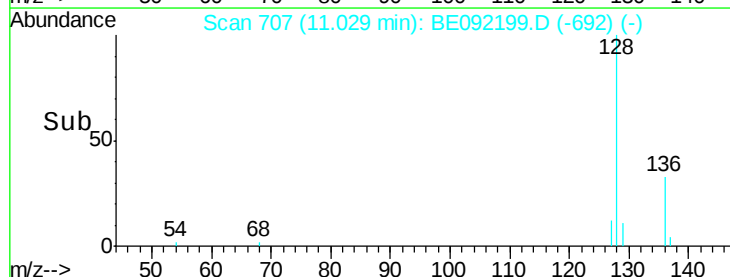
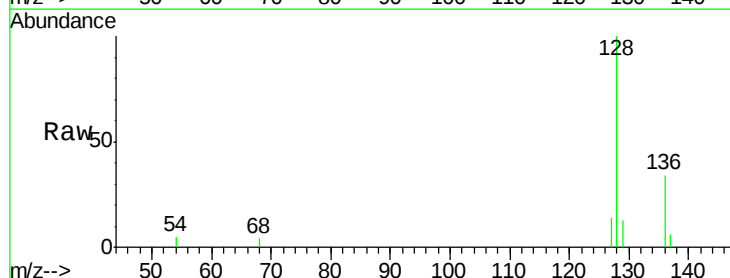
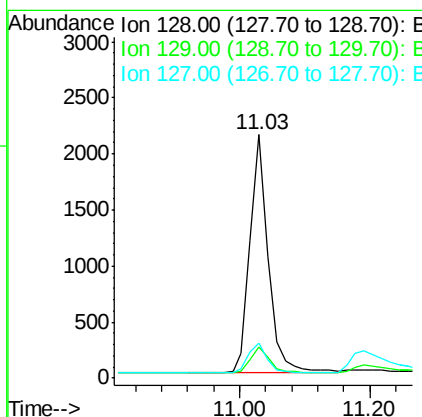
RT: 11.03 min Scan# 707

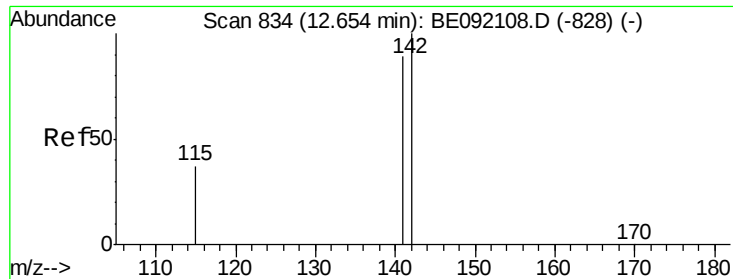
Delta R.T. -0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Tgt Ion:	128	Resp:	4091
Ion Ratio	Lower	Upper	
128	100		
129	12.9	11.1	16.7
127	14.3	11.3	16.9





#9

2-Methylnaphthalene

Concen: 0.40 ng

RT: 12.65 min Scan# 834

Delta R.T. -0.00 min

Lab File: BE092199.D

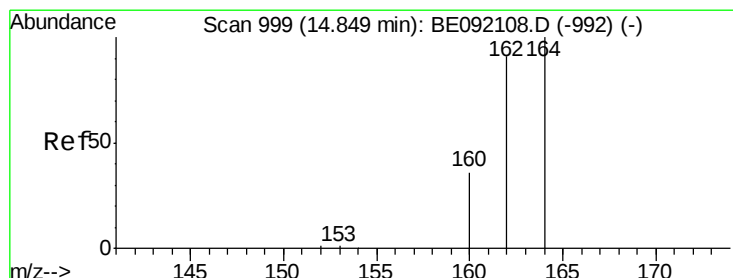
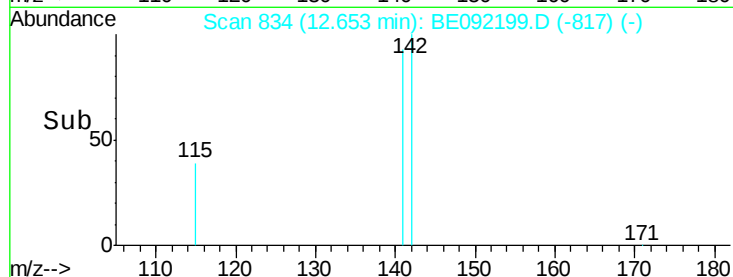
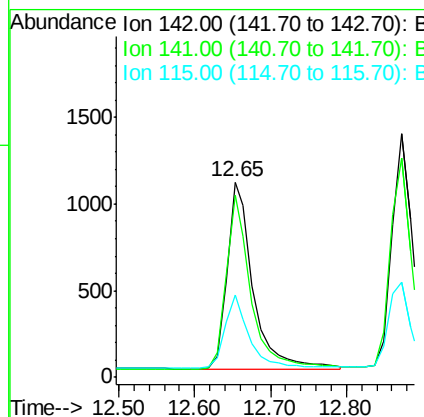
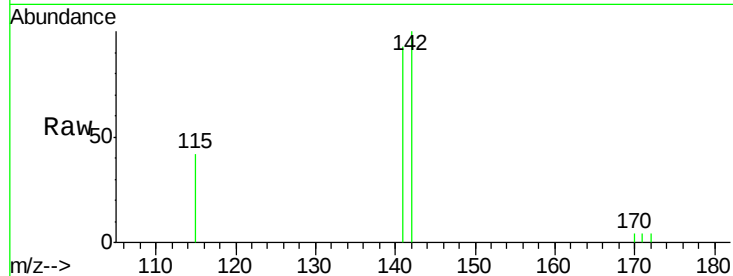
Acq: 5 Aug 2016 1:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.0	65.1	97.7
115	42.2	27.0	40.4

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#10

Acenaphthene-d10

Concen: 5.00 ng

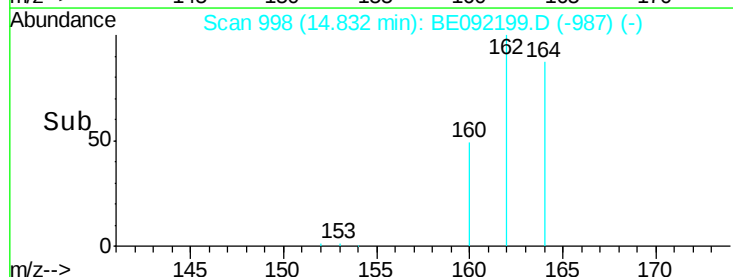
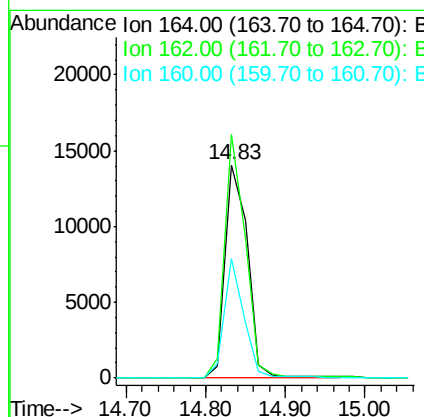
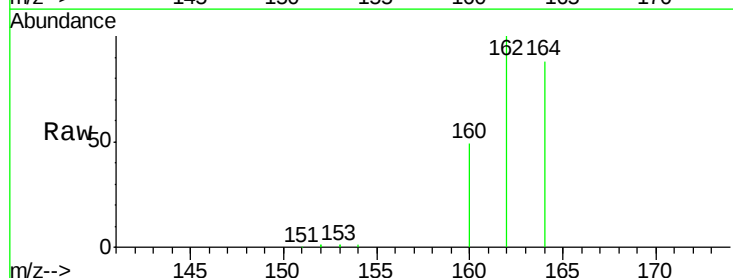
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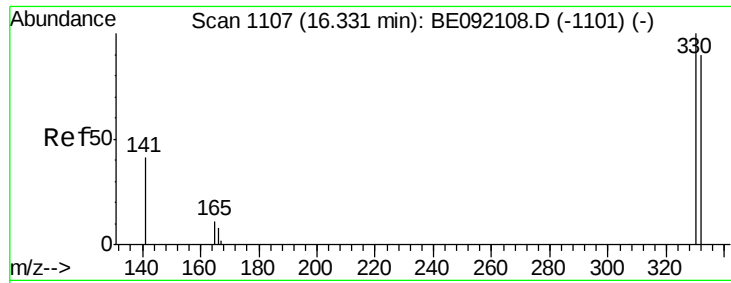
Delta R.T. -0.02 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	114.3	69.5	104.3
160	56.1	27.6	41.4





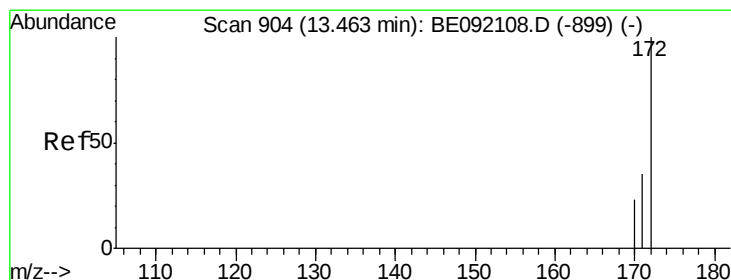
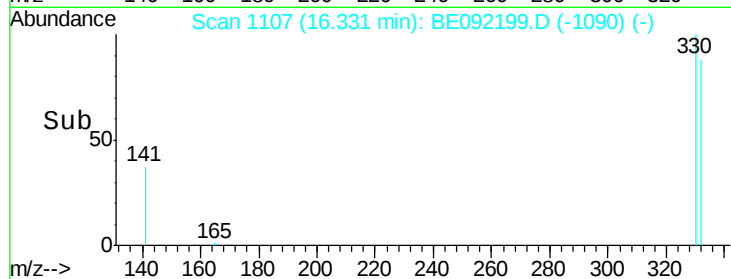
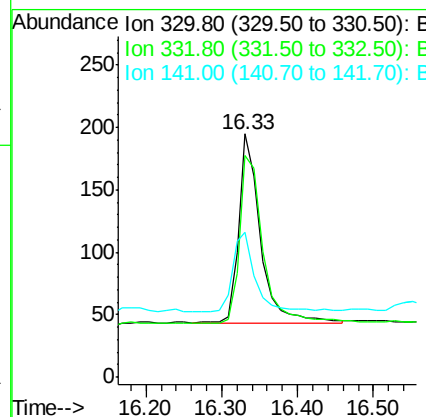
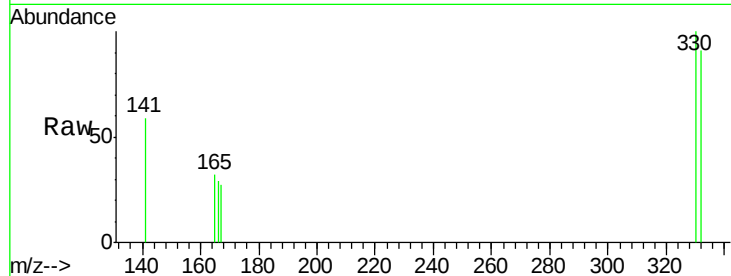
#11
 2,4,6-Tribromophenol
 Concen: 0.35 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092199.D
 Acq: 5 Aug 2016 1:34

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4EC

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	74.2	111.4
141	46.0	139.8	209.8

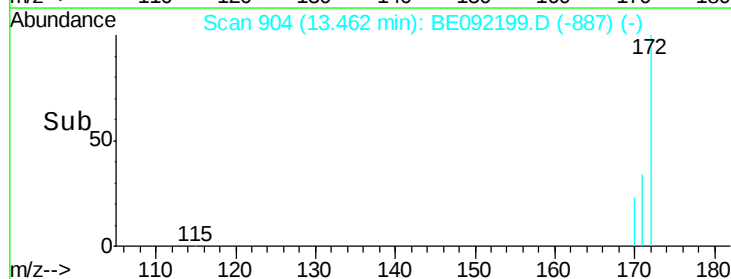
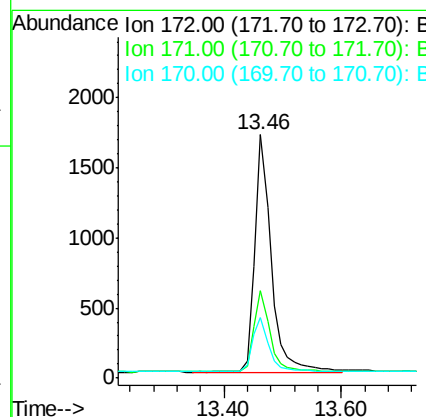
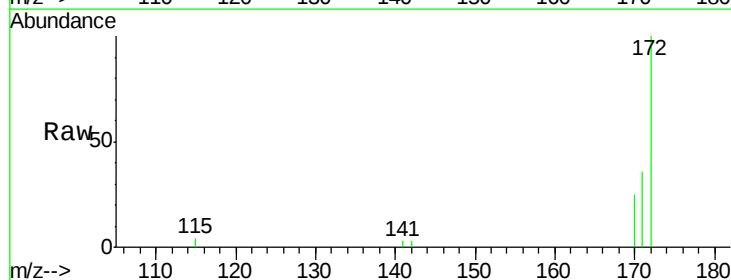
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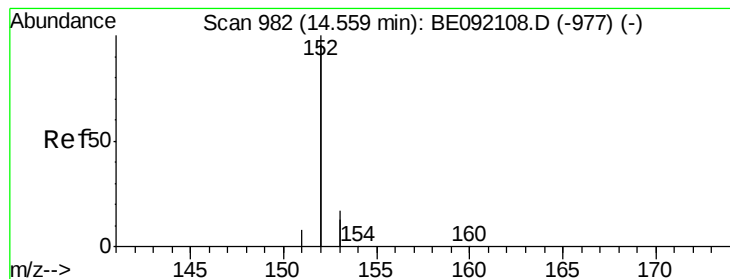
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#12
 2-Fluorobiphenyl
 Concen: 0.38 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092199.D
 Acq: 5 Aug 2016 1:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.3	45.5
170	24.9	21.6	32.4





#13

Acenaphthylene

Concen: 0.38 ng

RT: 14.56 min Scan# 982

Delta R.T. 0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Instrument :

BNA_E

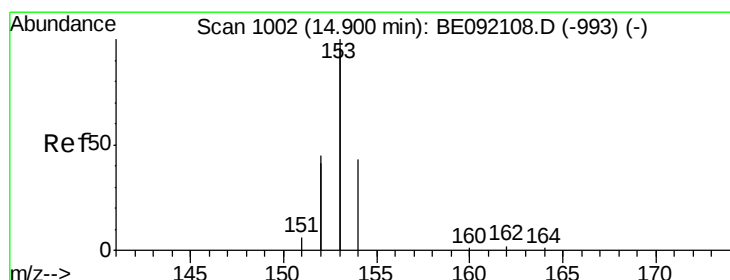
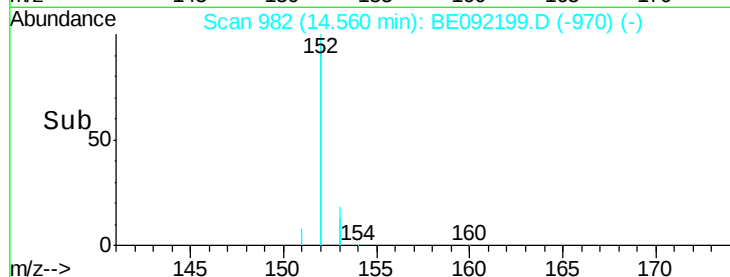
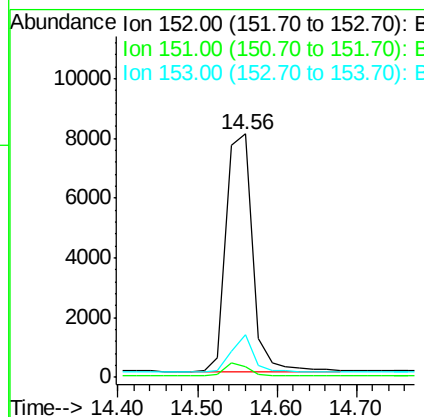
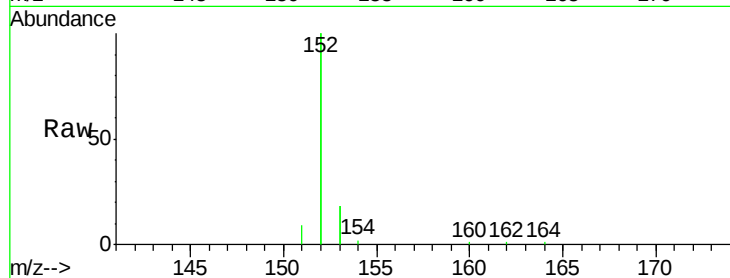
ClientSampleId :

SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
152	100		
151	4.9	4.0	6.0
153	12.9	9.6	14.4

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#14

Acenaphthene

Concen: 0.40 ng

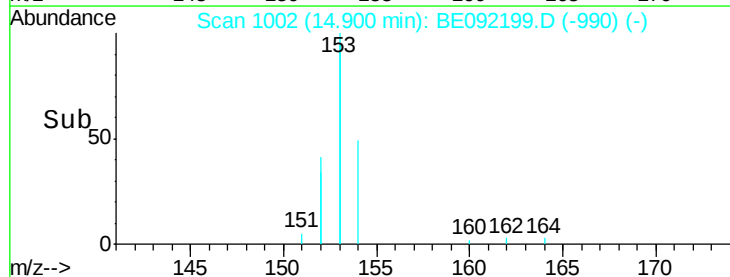
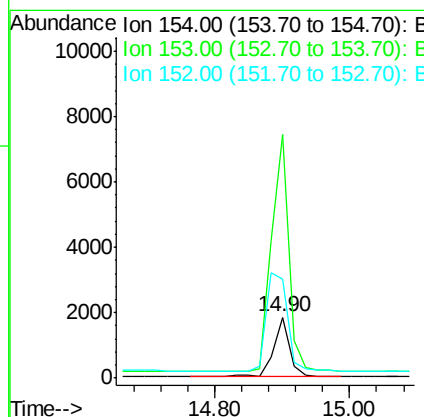
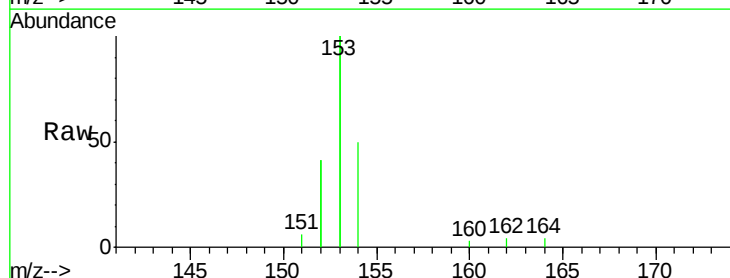
RT: 14.90 min Scan# 1002

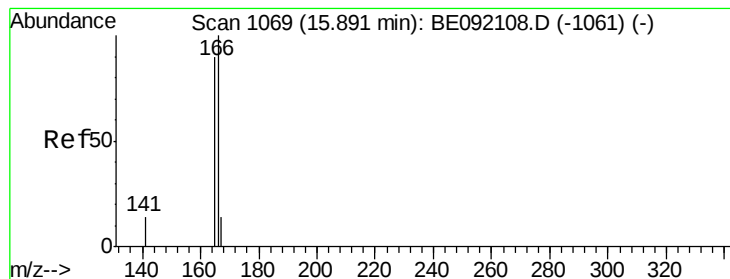
Delta R.T. 0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	431.1	345.1	517.7
152	218.6	0.0	0.0#





#15

Fluorene

Concen: 0.38 ng

RT: 15.88 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Instrument :

BNA_E

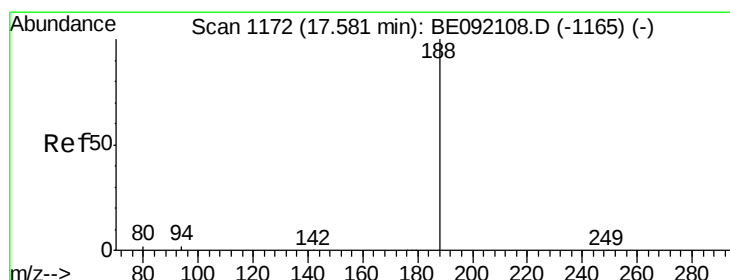
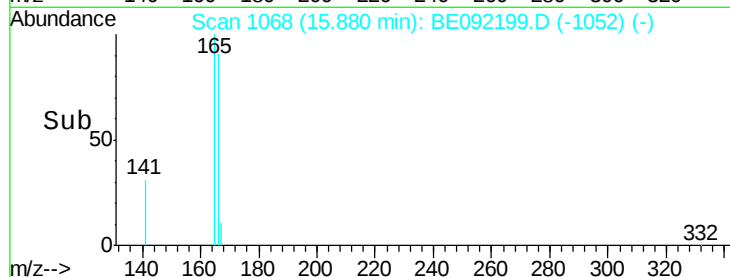
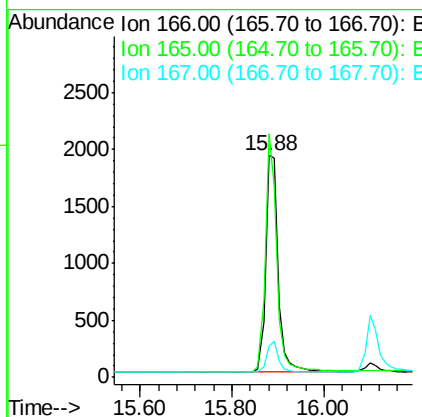
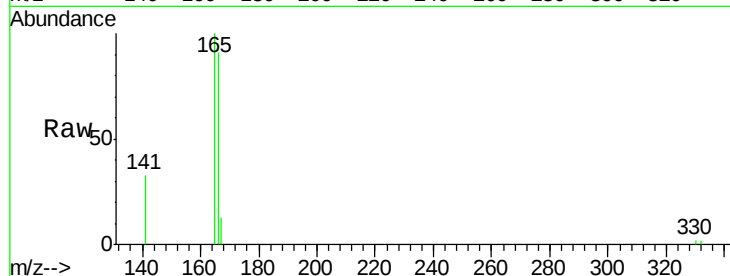
ClientSampleId :

SSTDCCC0.4EC

Tot Ion:	166	Resp:	3627
Ion Ratio	Lower	Upper	
166	100		
165	99.9	78.6	118.0
167	13.4	11.1	16.7

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#16

Phenanthrene-d10

Concen: 5.00 ng

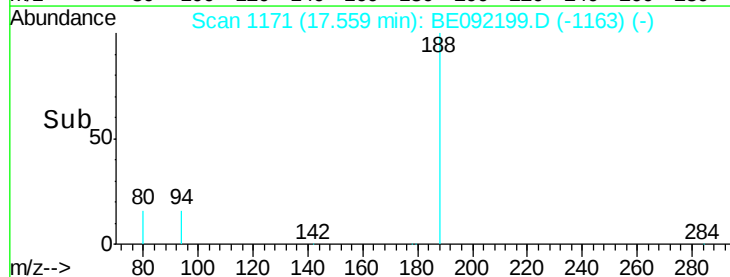
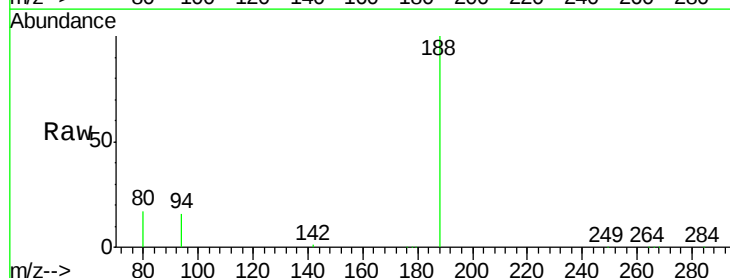
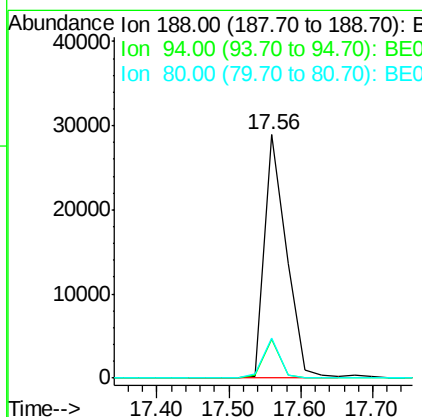
RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Tgt Ion:	188	Resp:	60902
Ion Ratio	Lower	Upper	
188	100		
94	16.0	3.9	5.9#
80	16.5	3.4	5.0#





#17

Hexachlorobenzene

Concen: 0.39 ng/ml

RT: 16.89 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Instrument :

BNA_E

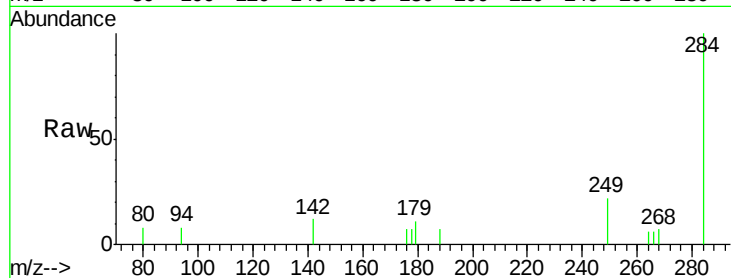
ClientSampleId :

SSTDCCC0.4EC

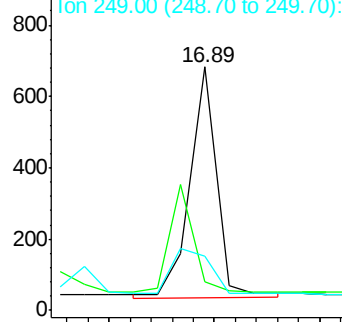
Tot Ion:	284	Resp:	1158
Ion Ratio	Lower	Upper	
284	100		
142	0.0	33.3	49.9#
249	0.0	25.4	38.0#

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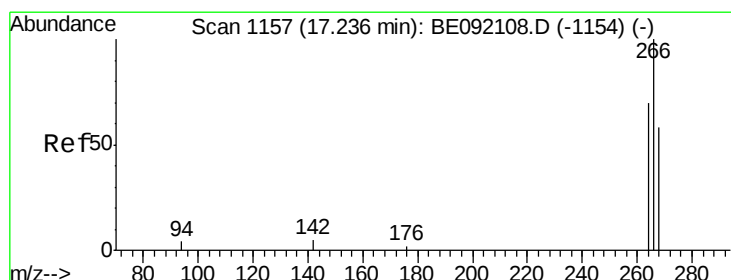
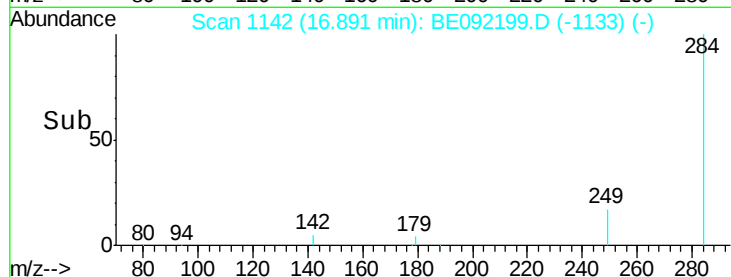
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time-->



#18

Pentachlorophenol

Concen: 0.45 ng/ml

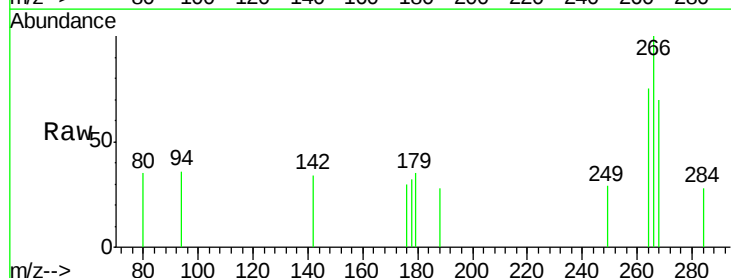
RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

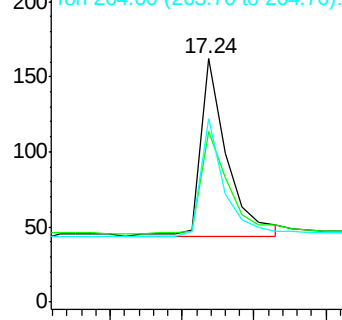
Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

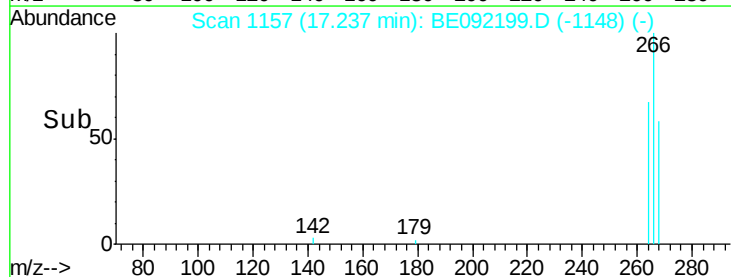
Tgt Ion:	266	Resp:	297
Ion Ratio	Lower	Upper	
266	100		
268	70.4	62.7	94.1
264	75.3	63.5	95.3

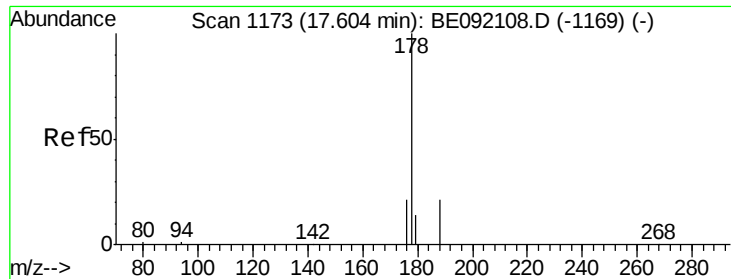


Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



Time-->





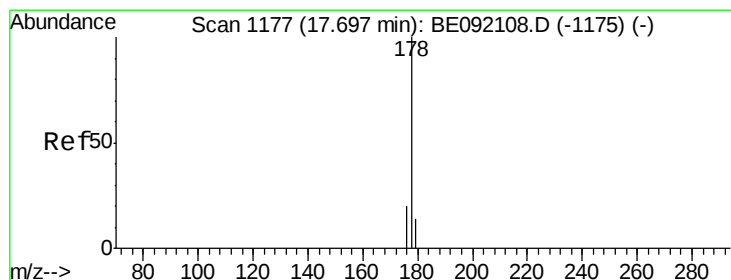
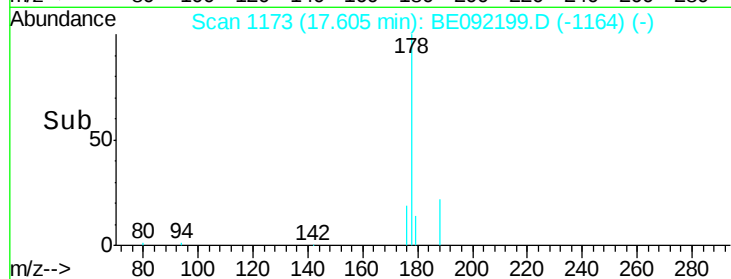
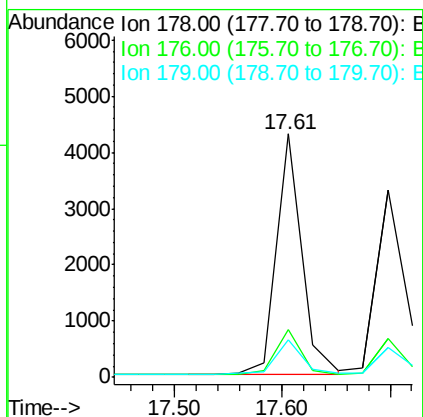
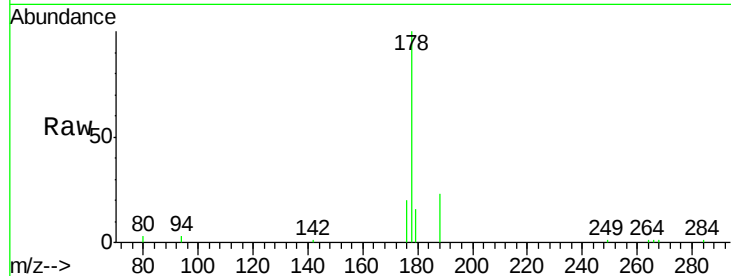
#19
Phenanthrene
Concen: 0.39 ng
RT: 17.61 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BE092199.D
Acq: 5 Aug 2016 1:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.7	12.7	19.1

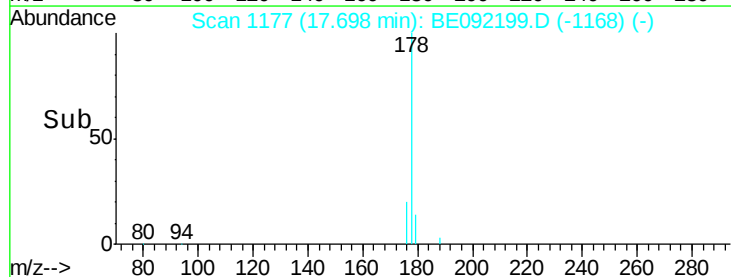
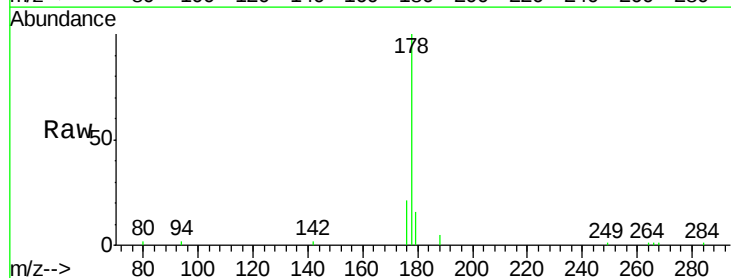
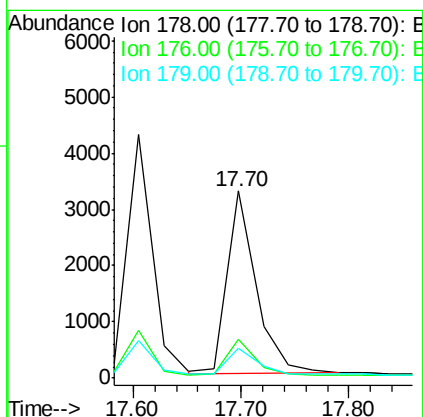
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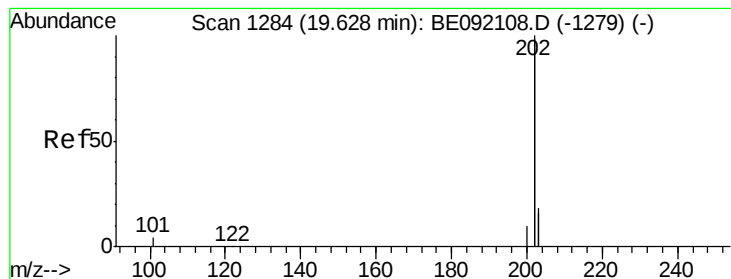
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#20
Anthracene
Concen: 0.37 ng
RT: 17.70 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BE092199.D
Acq: 5 Aug 2016 1:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	14.9	12.2	18.4





#21

Fluoranthene

Concen: 0.37 ng

RT: 19.63 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Instrument :

BNA_E

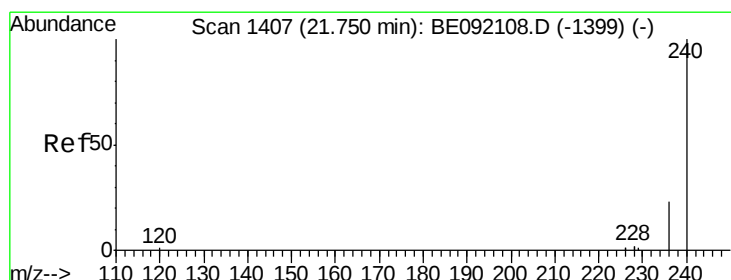
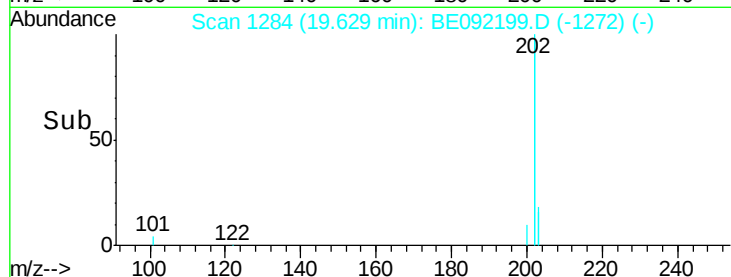
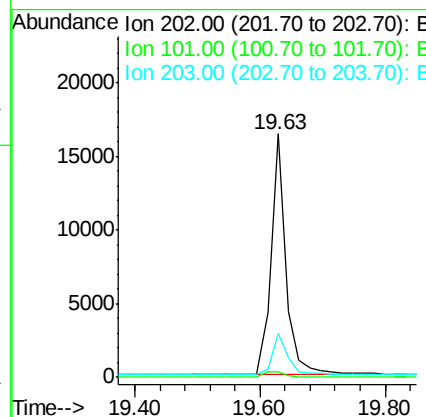
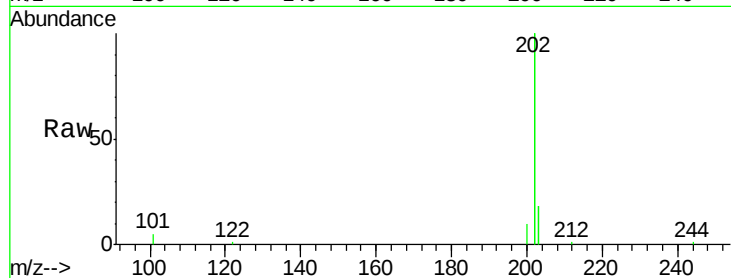
ClientSampleId :

SSTDCCC0.4EC

Tot Ion:	202	Resp:	27471
Ion Ratio	Lower	Upper	
202	100		
101	2.8	2.2	3.2
203	17.6	13.0	19.4

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#22

Chrysene-d12

Concen: 5.00 ng

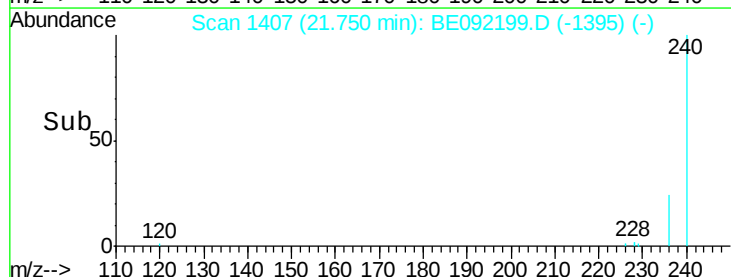
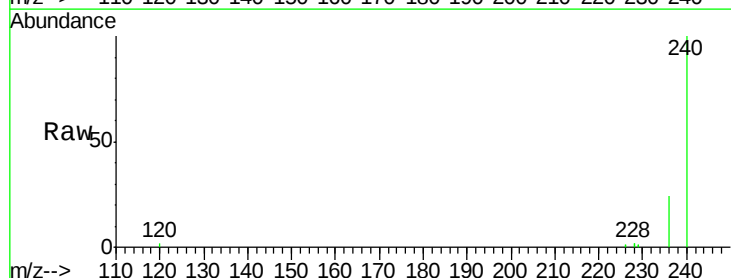
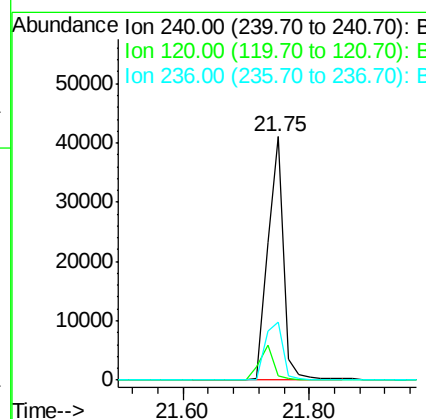
RT: 21.75 min Scan# 1407

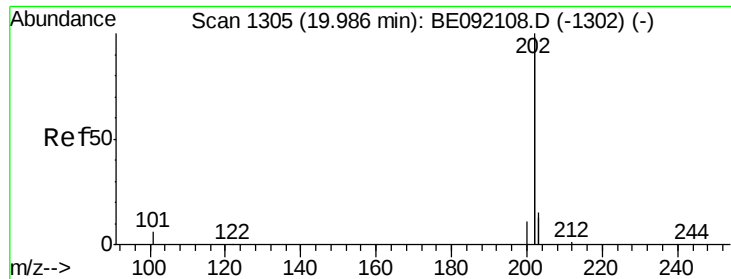
Delta R.T. 0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Tgt Ion:	240	Resp:	71126
Ion Ratio	Lower	Upper	
240	100		
120	1.5	0.6	1.0#
236	23.6	18.2	27.4





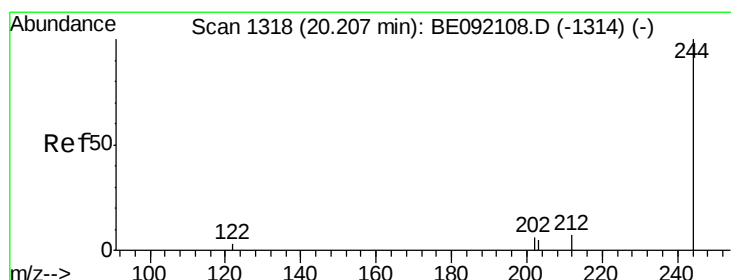
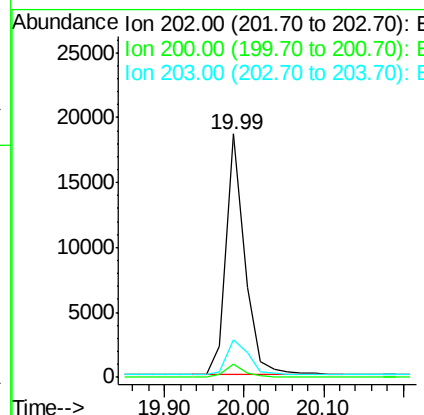
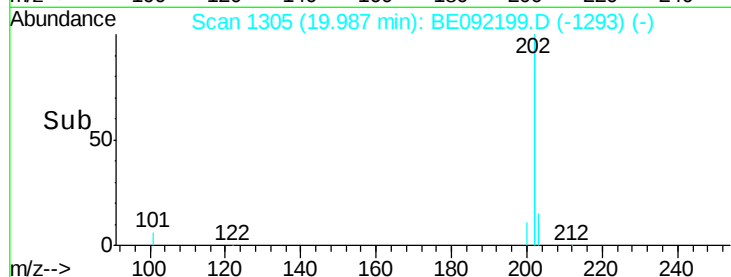
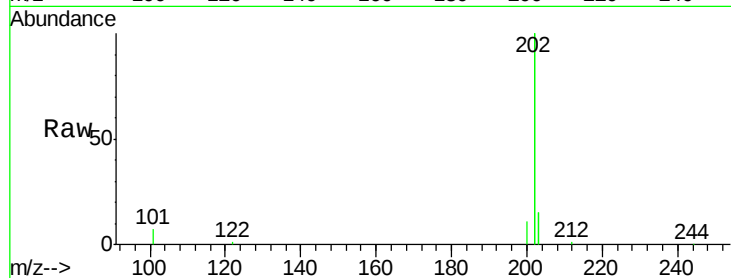
#23
Pvrene
Concen: 0.40 ng
RT: 19.99 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BE092199.D
Acq: 5 Aug 2016 1:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.4	6.6
203	17.2	13.4	20.0

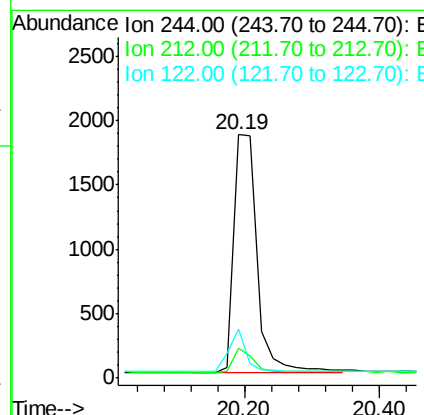
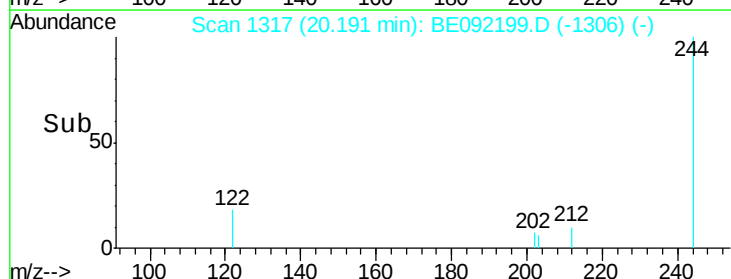
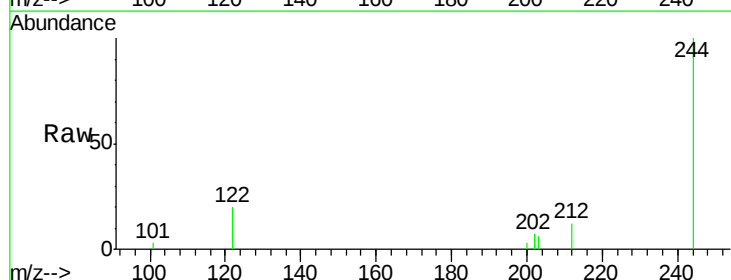
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#24
Terphenyl-d14
Concen: 0.43 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092199.D
Acq: 5 Aug 2016 1:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.2	9.1	13.7
122	20.4	11.0	16.4





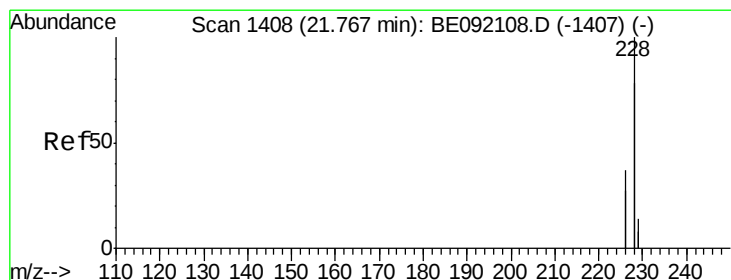
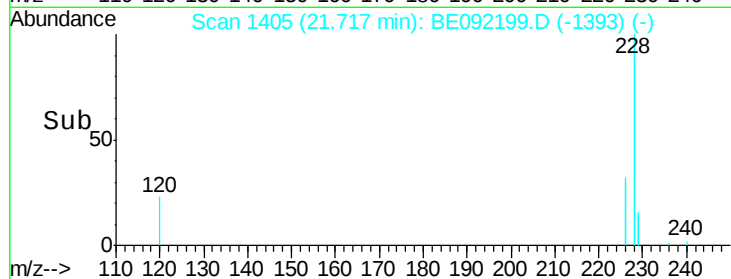
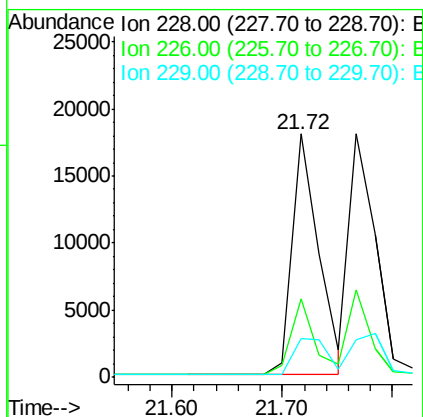
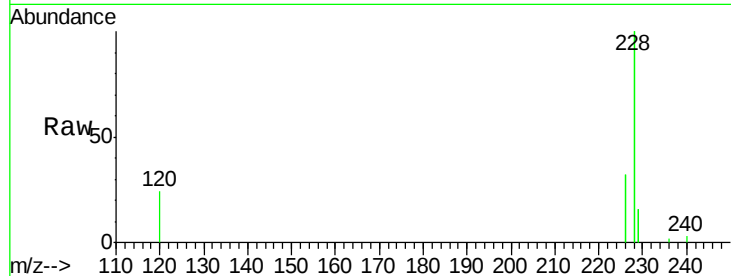
#25
Benzo(a)anthracene
Concen: 0.38 ng
RT: 21.72 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BE092199.D
Acq: 5 Aug 2016 1:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.1	33.1
229	15.9	15.1	22.7

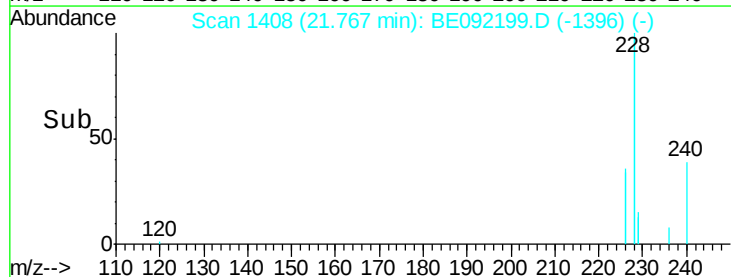
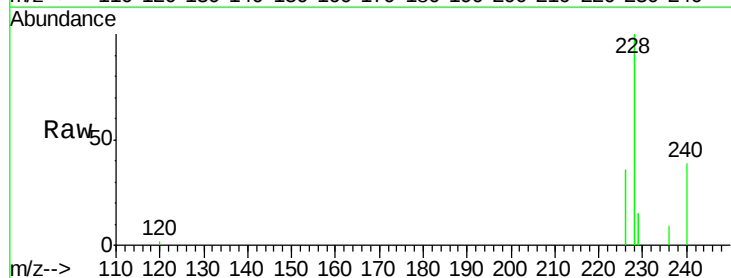
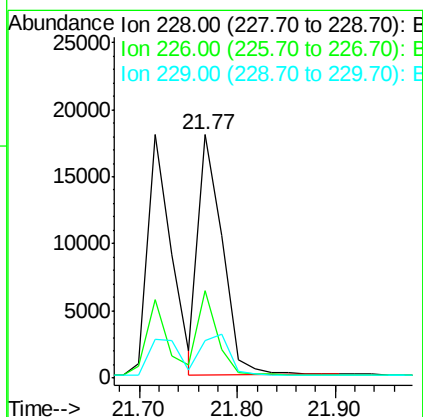
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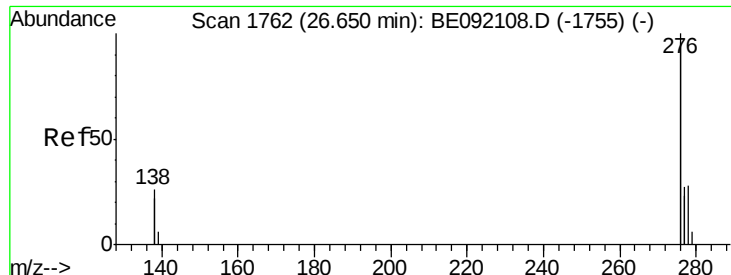
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#26
Chrysene
Concen: 0.39 ng
RT: 21.77 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BE092199.D
Acq: 5 Aug 2016 1:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.1	22.3	33.5#
229	15.3	16.9	25.3#





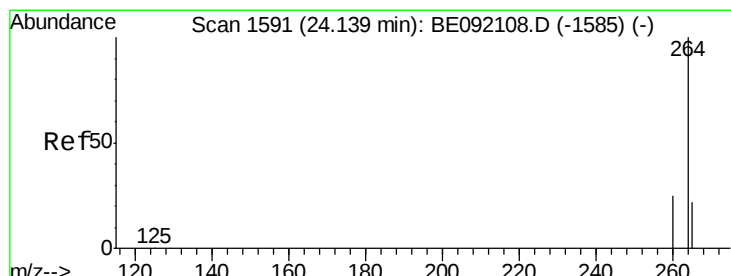
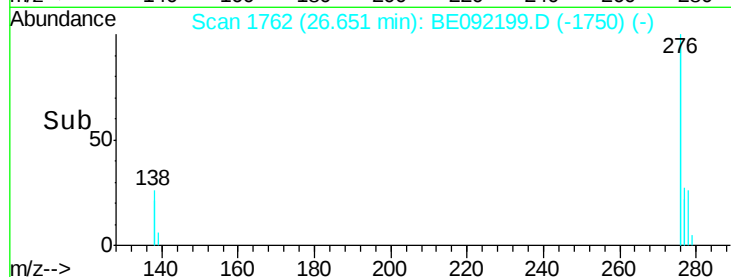
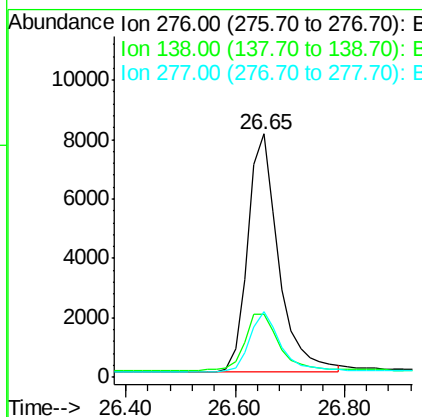
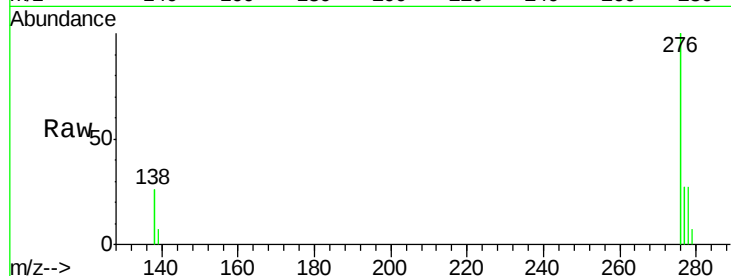
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 26.65 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BE092199.D
Acq: 5 Aug 2016 1:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.2	31.8
277	24.7	19.8	29.8

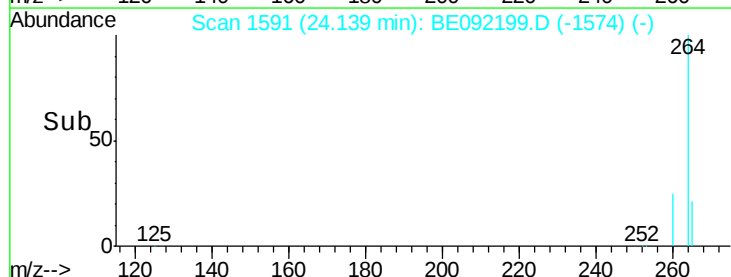
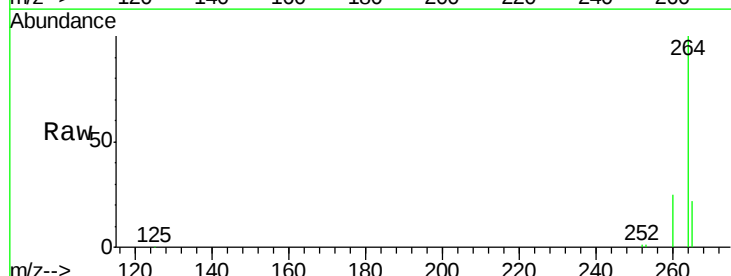
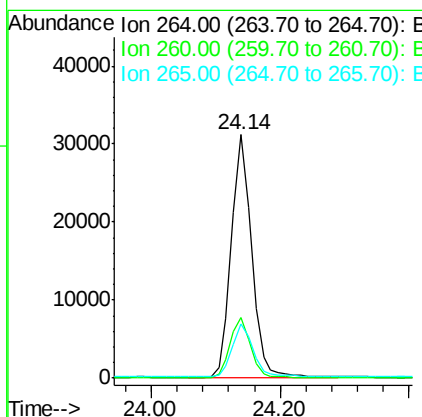
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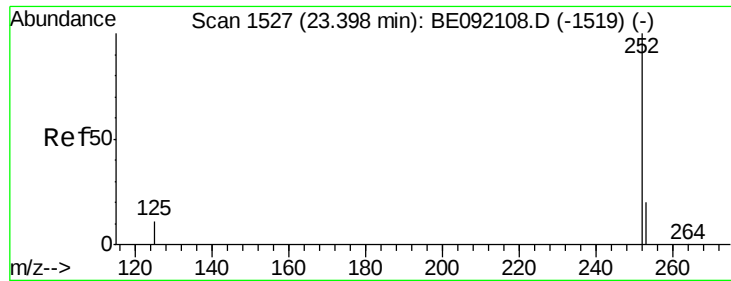
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#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092199.D
Acq: 5 Aug 2016 1:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.8	31.2
265	22.1	16.6	25.0





#29

Benzo(b)fluoranthene

Concen: 0.36 ng

RT: 23.40 min Scan# 1527

Delta R.T. 0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Instrument :

BNA_E

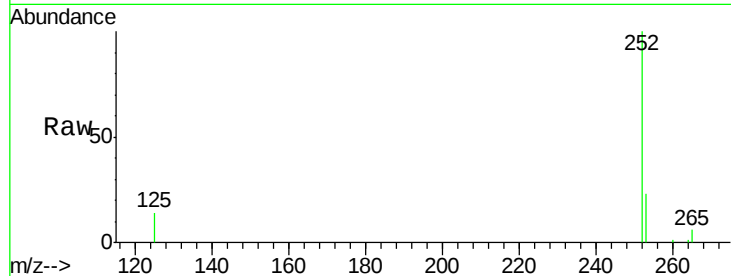
ClientSampleId :

SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	13.8	10.2	15.2

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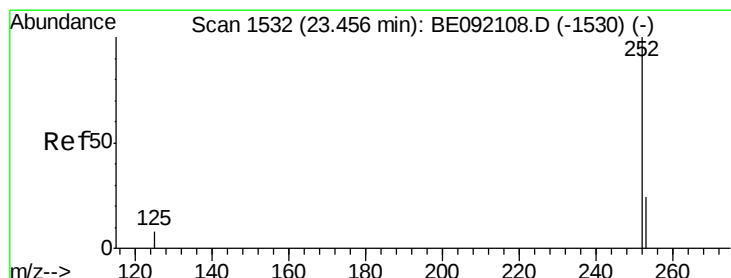
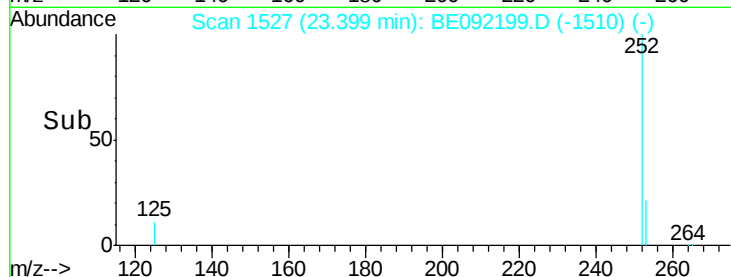
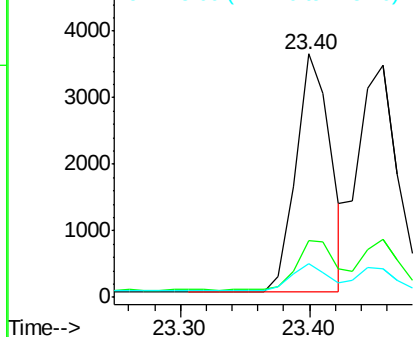


Abundance

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



#30

Benzo(k)fluoranthene

Concen: 0.40 ng

RT: 23.46 min Scan# 1532

Delta R.T. 0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

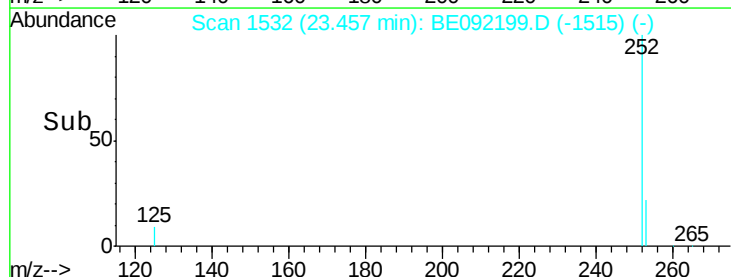
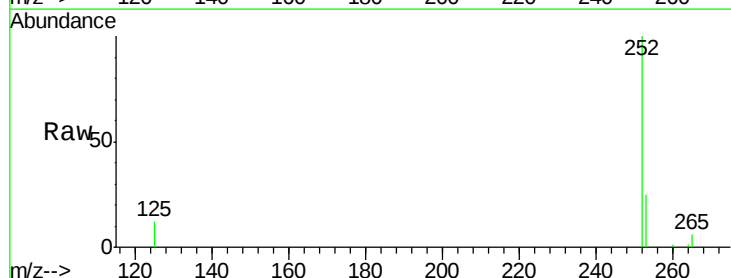
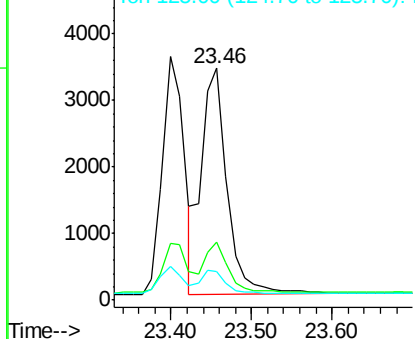
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.4	29.0
125	12.1	8.9	13.3

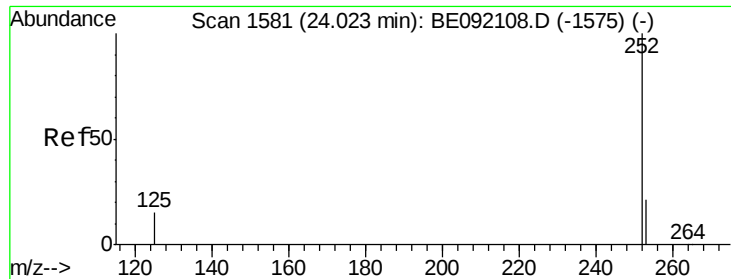
Abundance

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





#31

Benzo(a)pyrene

Concen: 0.40 ng

RT: 24.02 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Instrument :

BNA_E

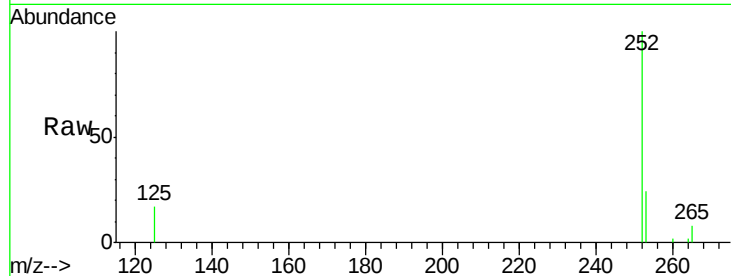
ClientSampleId :

SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.8	29.8
125	16.9	10.4	15.6

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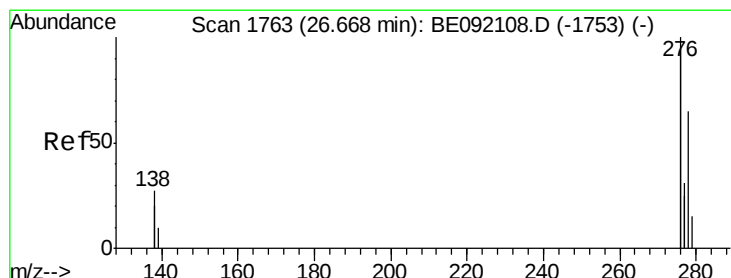
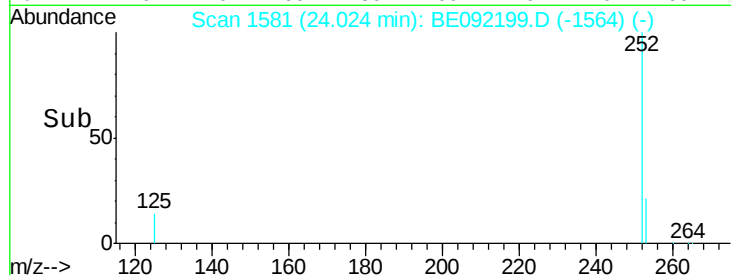
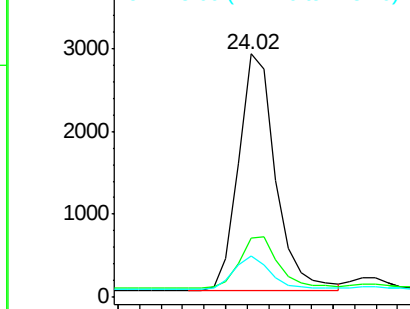


Abundance

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: 0.38 ng

RT: 26.67 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

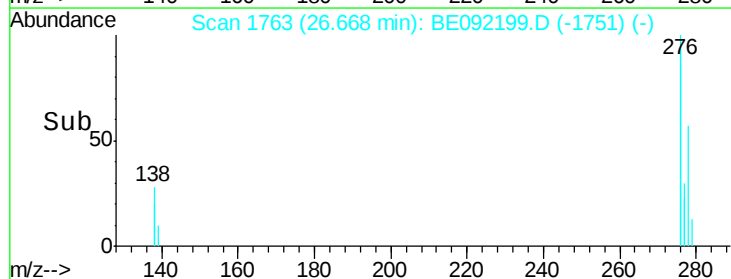
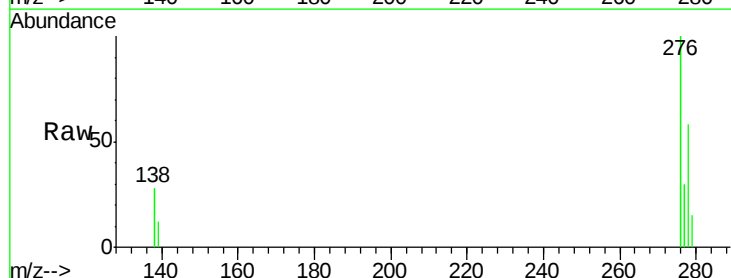
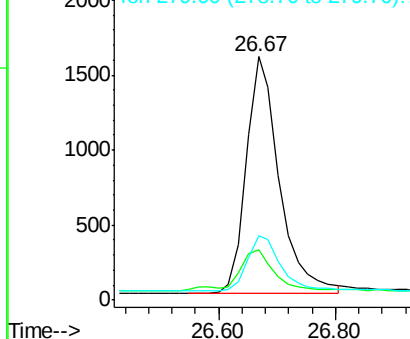
Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	16.7	25.1
279	26.5	20.3	30.5

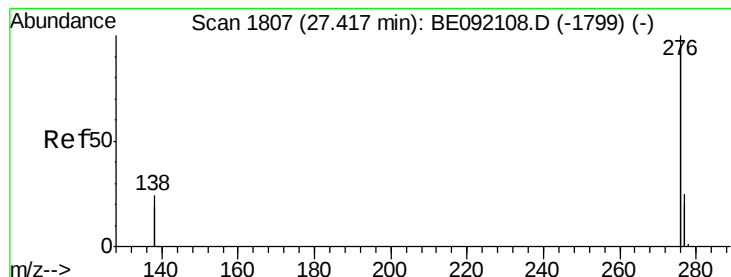
Abundance

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(a,h,i)perylene

Concen: 0.39 ng

RT: 27.42 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BE092199.D

Acq: 5 Aug 2016 1:34

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:	276	Resp:	26983
Ion Ratio		Lower	Upper
276	100		
277	25.6	19.5	29.3
138	23.5	20.8	31.2

Manual Integrations
APPROVED

sohil
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