

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110816\
 Data File : BE092517.D
 Acq On : 8 Nov 2016 20:15
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Manual Integrations
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Quant Time: Nov 09 09:58:25 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE110816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 16:27:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8546	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	41364	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	28958	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	65195	5.00	ng	0.00
24) Chrysene-d12	21.72	240	93660	5.00	ng	0.00
31) Perylene-d12	24.08	264	84978	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.67	112	696	0.37	ng	0.00
5) Phenol-d6	7.34	99	829	0.33	ng	0.00
8) Nitrobenzene-d5	9.34	82	960m	0.35	ng	0.00
13) 2,4,6-Tribromophenol	16.31	330	269	0.48	ng	0.00
14) 2-Fluorobiphenyl	13.43	172	2923	0.41	ng	0.00
26) Terphenyl-d14	20.17	244	4430	0.39	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	529	0.39	ng	91
3) n-Nitrosodimethylamine	3.77	42	448	0.37	ng	# 88
6) bis(2-Chloroethyl)ether	7.59	93	922	0.34	ng	# 28
9) Naphthalene	10.99	128	3462	0.39	ng	99
10) Hexachlorobutadiene	11.26	225	535	0.39	ng	99
11) 2-Methylnaphthalene	12.62	142	2194	0.38	ng	96
15) Acenaphthylene	14.51	152	16223	0.39	ng	100
16) Acenaphthene	14.87	154	2634	0.39	ng	96
17) Fluorene	15.86	166	3323	0.39	ng	99
19) Hexachlorobenzene	16.86	284	969m	0.39	ng	
20) Pentachlorophenol	17.23	266	225	0.32	ng	98
21) Phenanthrene	17.60	178	5824	0.41	ng	# 74
22) Anthracene	17.69	178	5438	0.40	ng	98
23) Fluoranthene	19.59	202	27376	0.39	ng	99
25) Pyrene	19.95	202	29133	0.38	ng	99
27) Benzo(a)anthracene	21.70	228	36402m	0.38	ng	
28) Chrysene	21.75	228	38244m	0.35	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	3224	0.39	ng	# 56
30) Indeno(1,2,3-cd)pyrene	26.56	276	38856	0.38	ng	98
32) Benzo(b)fluoranthene	23.36	252	12690	0.39	ng	97
33) Benzo(k)fluoranthene	23.41	252	11523	0.32	ng	98
34) Benzo(a)pyrene	23.97	252	8144	0.37	ng	98
35) Dibenzo(a,h)anthracene	26.58	278	7825	0.38	ng	96
36) Benzo(g,h,i)perylene	27.33	276	32945	0.39	ng	99

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

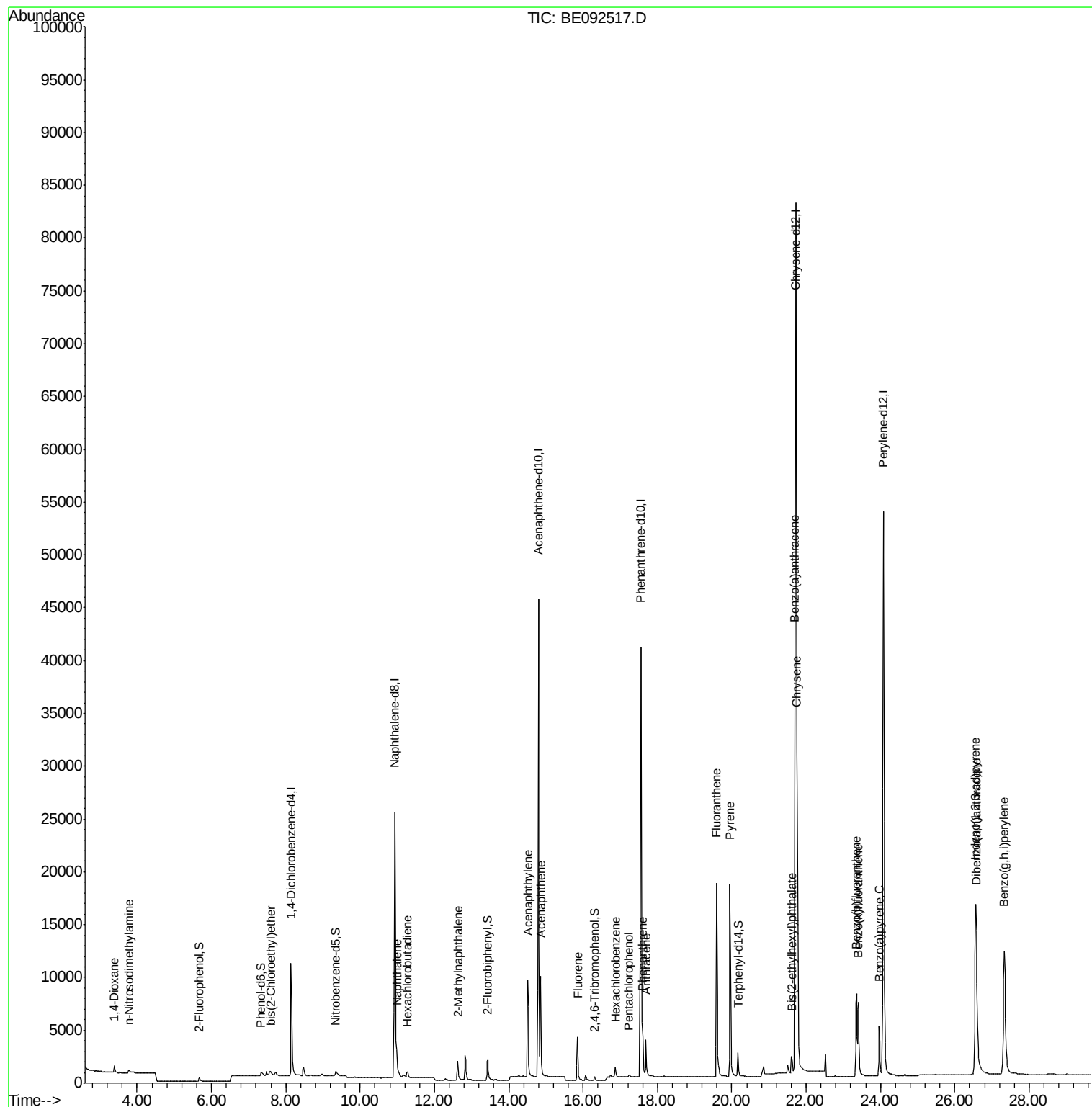
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110816\
Data File : BE092517.D
Acq On : 8 Nov 2016 20:15
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

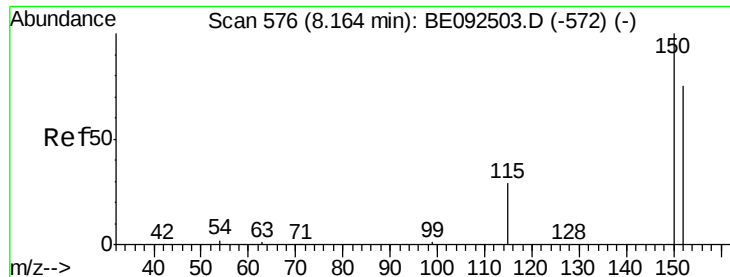
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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Quant Time: Nov 09 09:58:25 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE110816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 16:27:22 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Instrument :

BNA_E

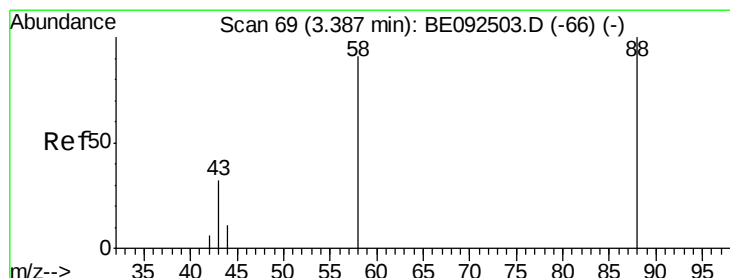
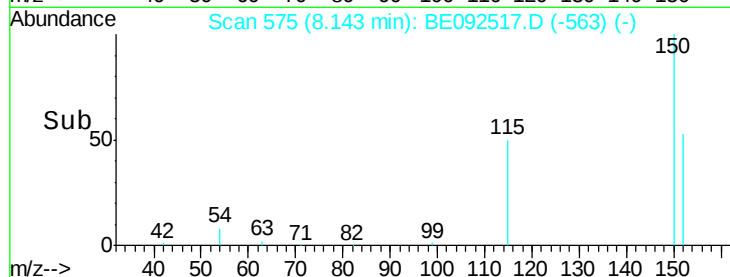
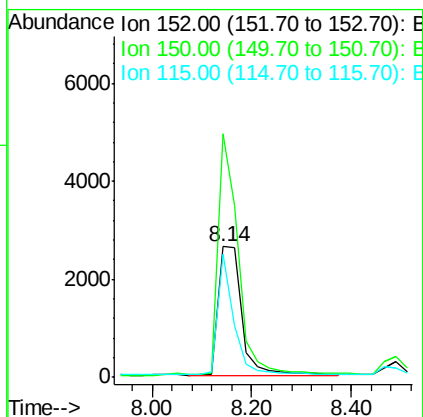
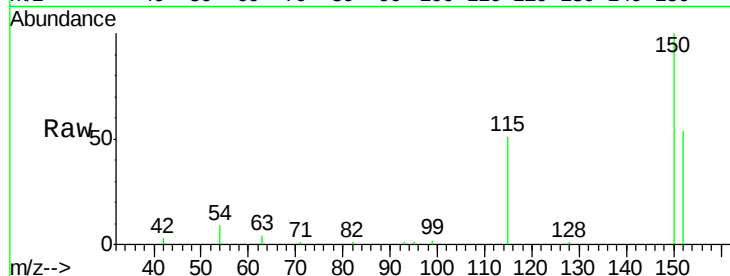
ClientSampleId :

SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
152	100		
150	186.1	106.0	159.0#
115	94.5	31.2	46.8#

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#2

1,4-Dioxane

Concen: 0.39 ng

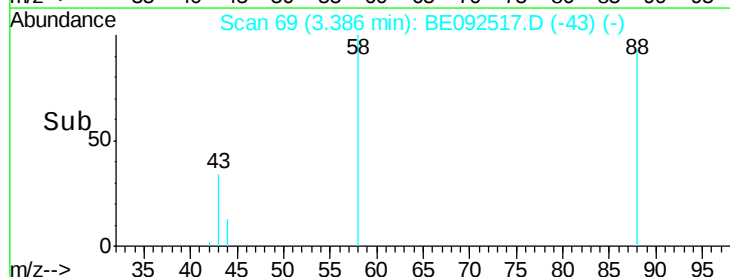
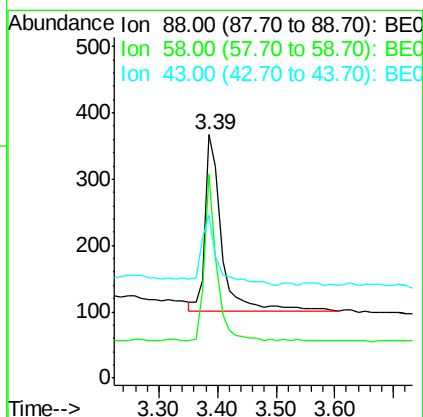
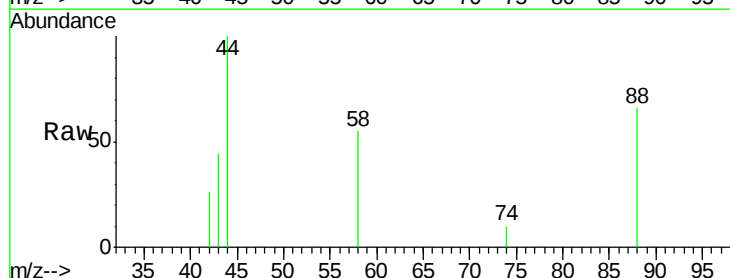
RT: 3.39 min Scan# 69

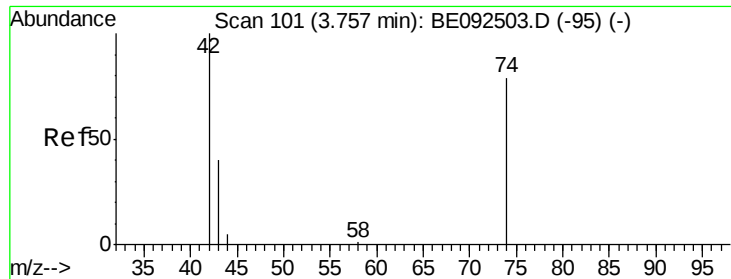
Delta R.T. -0.00 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.3	63.6	95.4
43	39.1	28.0	42.0





#3

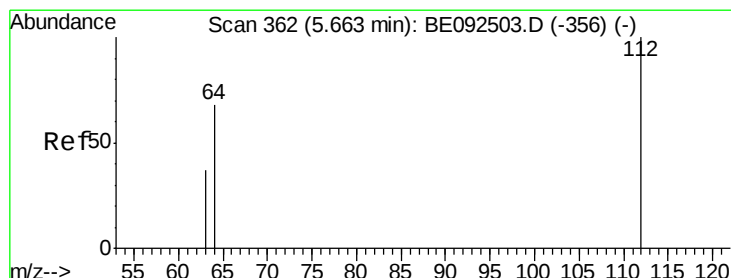
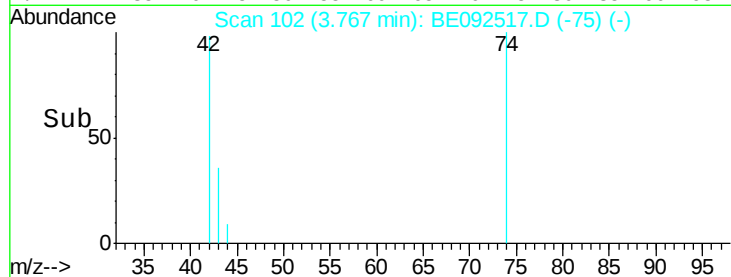
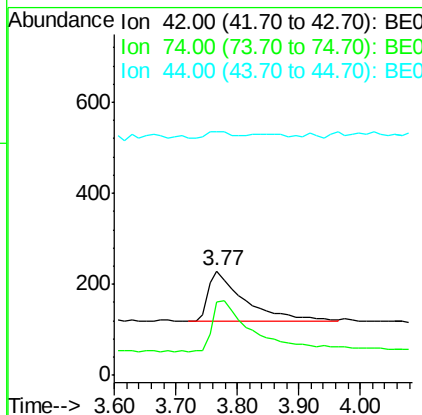
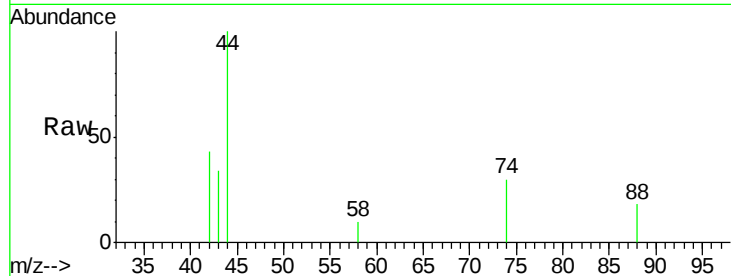
n-Nitrosodimethylamine
 Concen: 0.37 ng
 RT: 3.77 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: BE092517.D
 Acq: 8 Nov 2016 20:15

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
42	100		
74	120.5	86.0	129.0
44	9.6	5.1	7.7#

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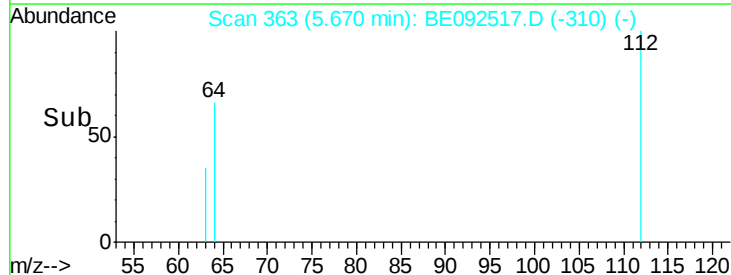
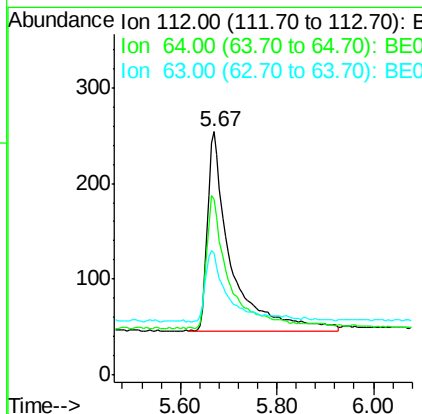
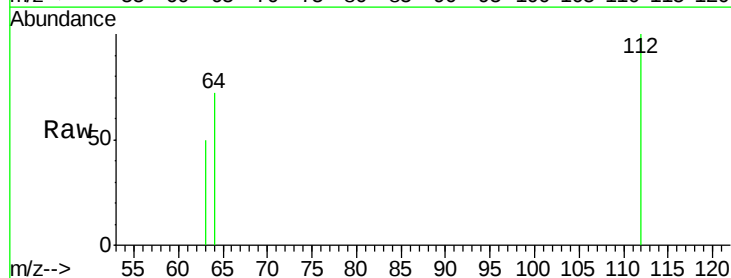
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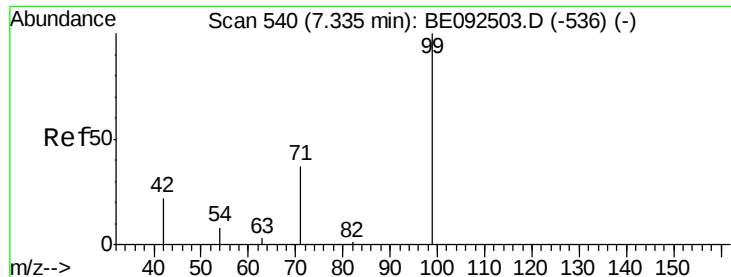


#4

2-Fluorophenol
 Concen: 0.37 ng
 RT: 5.67 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: BE092517.D
 Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	53.5	80.3
63	34.5	27.9	41.9





#5

Phenol-d6

Concen: 0.33 ng

RT: 7.34 min Scan# 540

Delta R.T. 0.00 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Instrument :

BNA_E

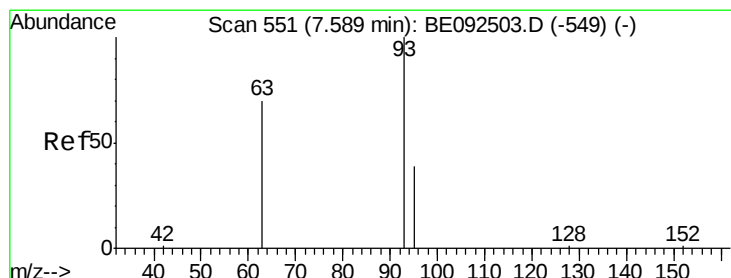
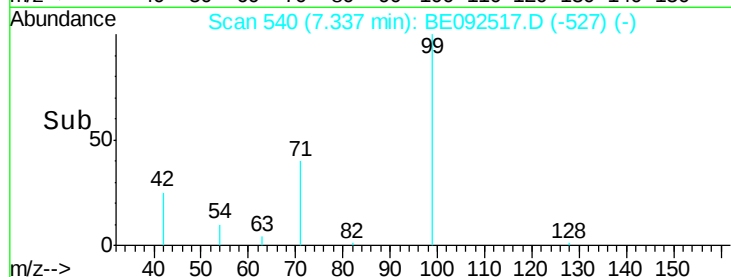
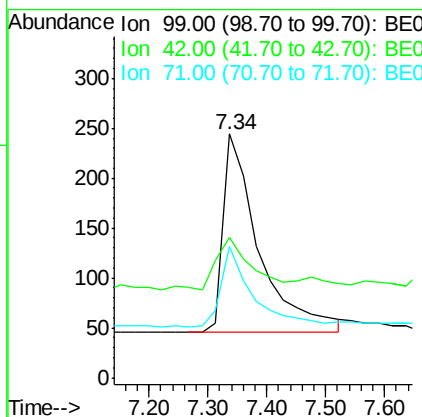
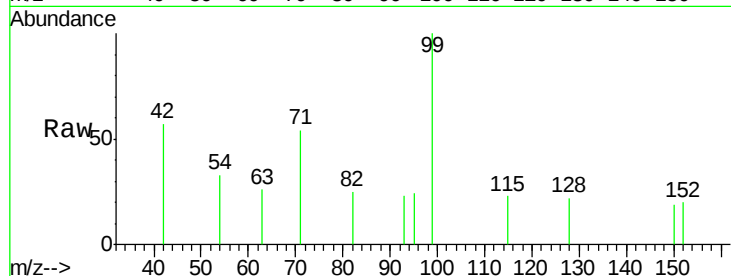
ClientSampleId :

SSTDCCC0.4EC

Tot Ion:	99	Resp:	829
Ion	Ratio	Lower	Upper
99	100		
42	26.3	16.0	24.0#
71	36.1	30.6	45.8

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#6

bis(2-Chloroethyl)ether

Concen: 0.34 ng

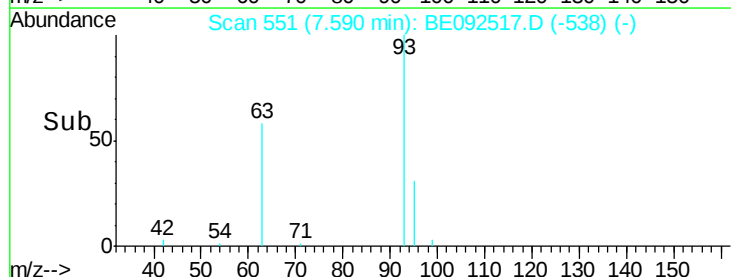
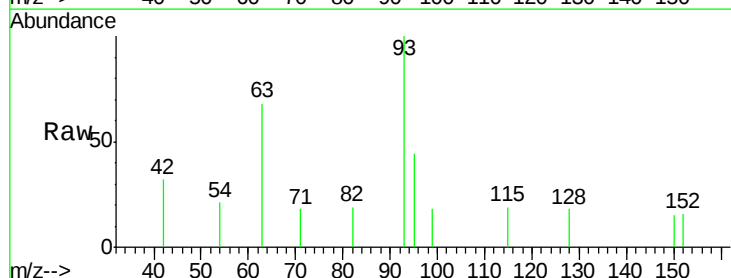
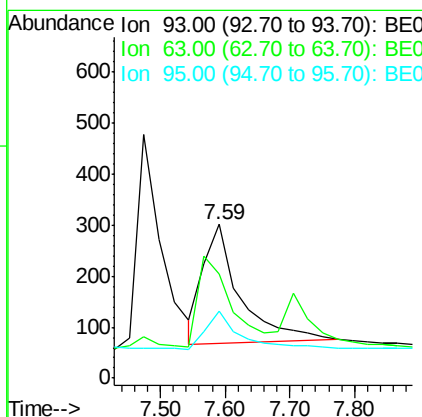
RT: 7.59 min Scan# 551

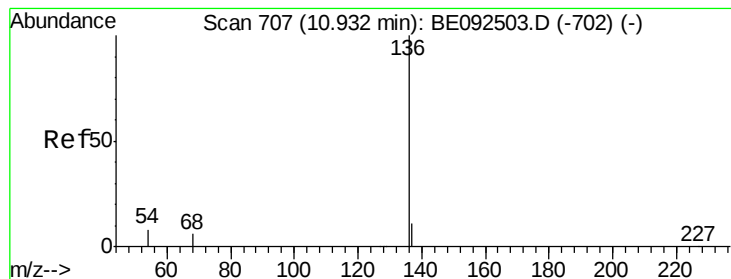
Delta R.T. 0.00 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Tgt Ion:	93	Resp:	922
Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	29.7	24.0	36.0





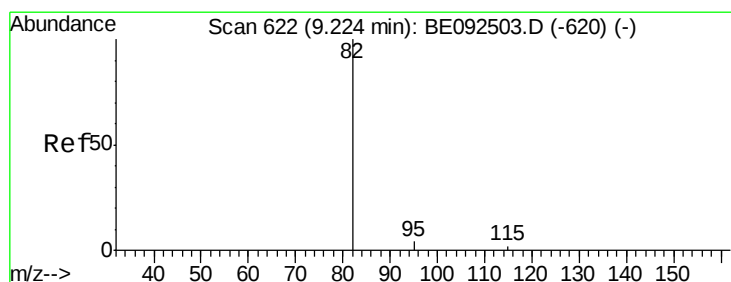
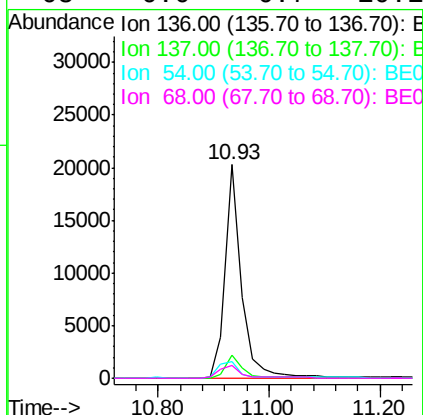
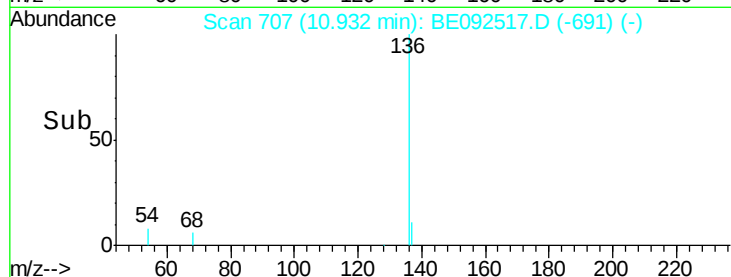
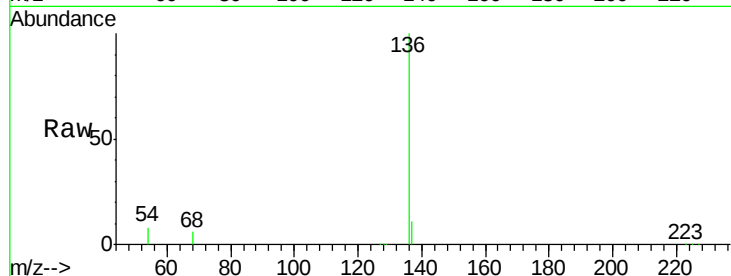
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	8.1	9.6	14.4#
68	6.0	6.7	10.1#

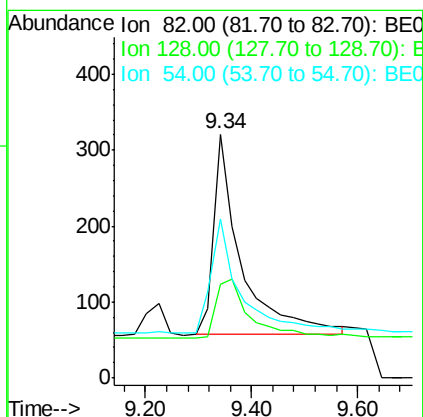
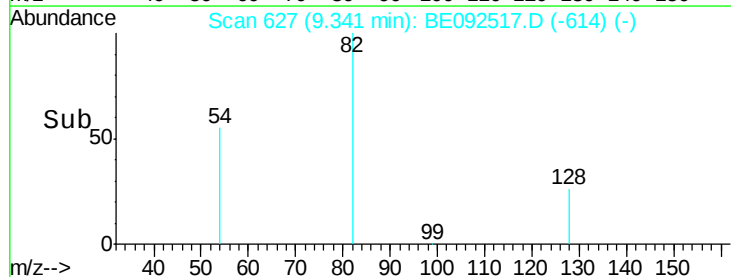
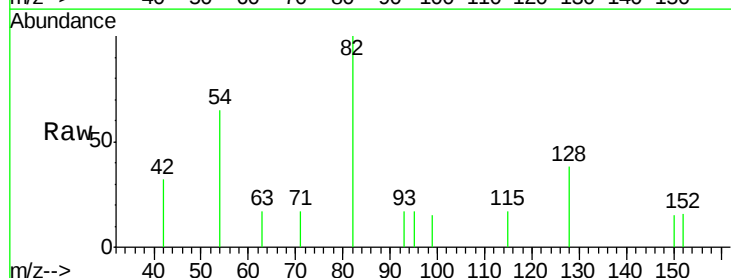
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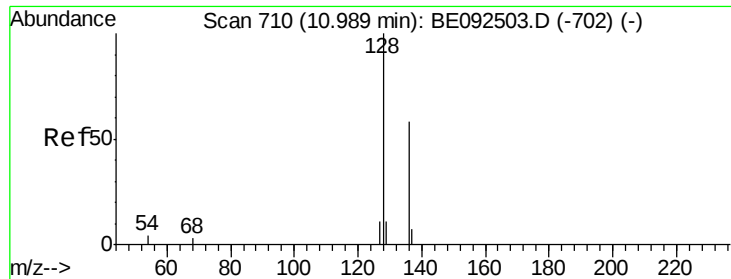
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#8
Nitrobenzene-d5
Concen: 0.35 ng m
RT: 9.34 min Scan# 627
Delta R.T. 0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.3	39.0	58.4#
54	65.1	44.8	67.2





#9

Naphthalene

Concen: 0.39 ng

RT: 10.99 min Scan# 710

Delta R.T. 0.00 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Instrument :

BNA_E

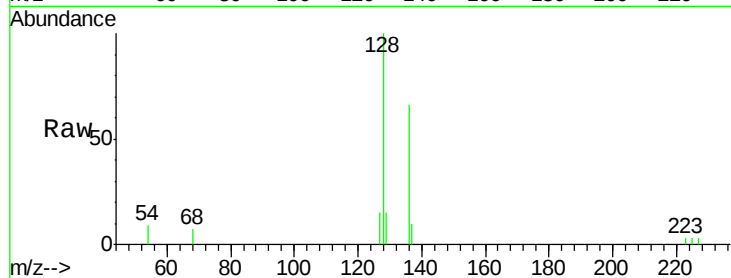
ClientSampleId :

SSTDCCC0.4EC

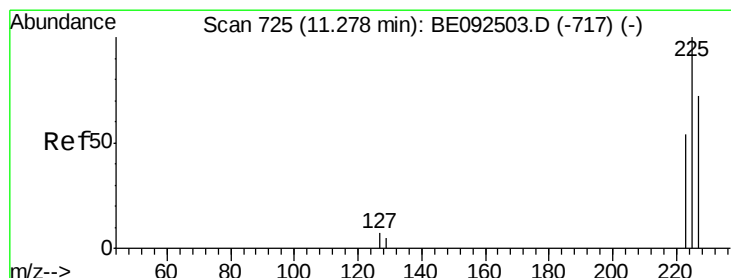
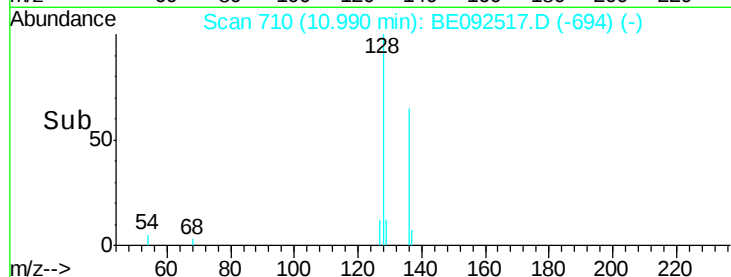
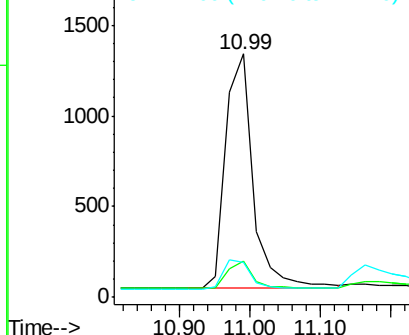
Tot Ion:	128	Resp:	3462
Ion	Ratio	Lower	Upper
128	100		
129	14.8	11.2	16.8
127	14.6	11.6	17.4

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.39 ng

RT: 11.26 min Scan# 724

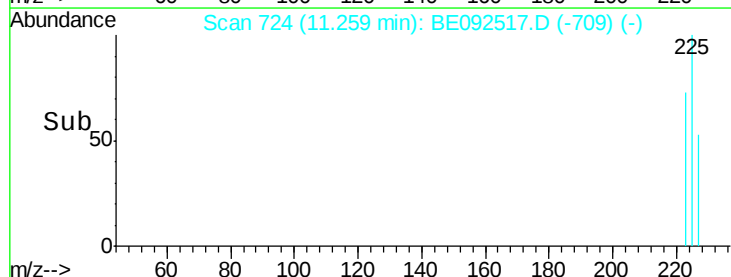
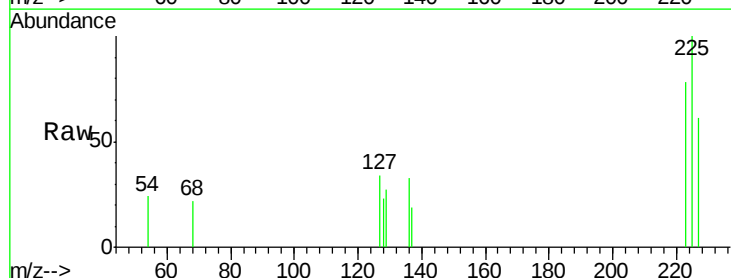
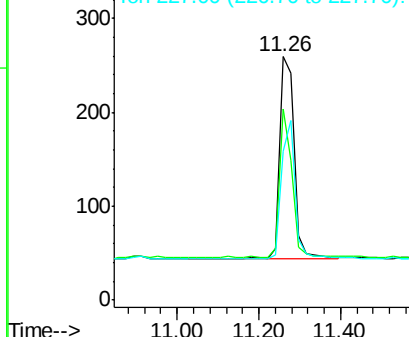
Delta R.T. -0.02 min

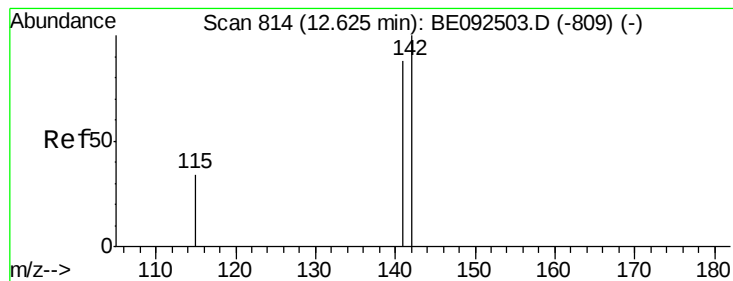
Lab File: BE092517.D

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Tgt Ion:	225	Resp:	535
Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.6	76.0
227	64.9	51.4	77.0

Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





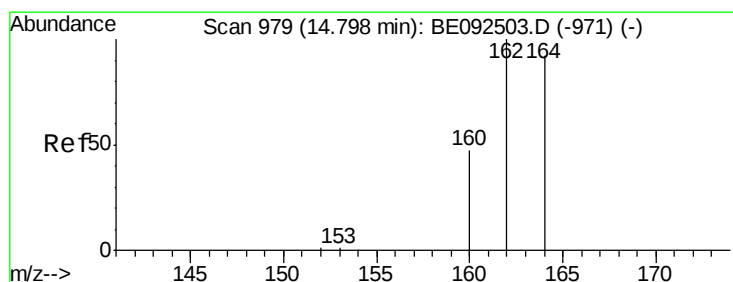
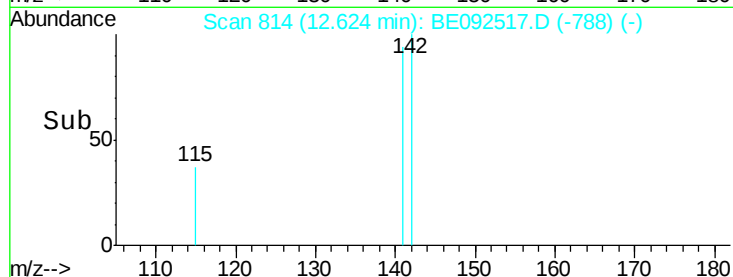
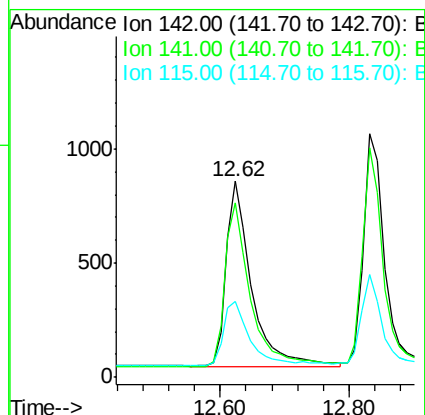
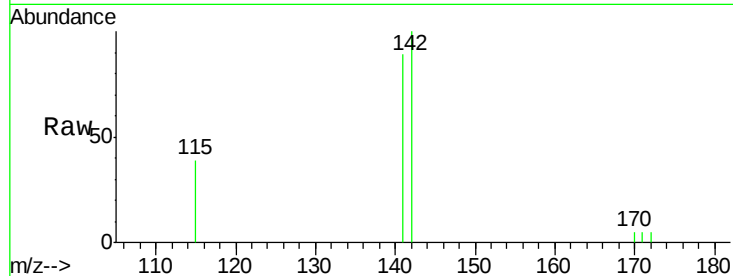
#11
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	73.7	110.5
115	39.1	34.0	51.0

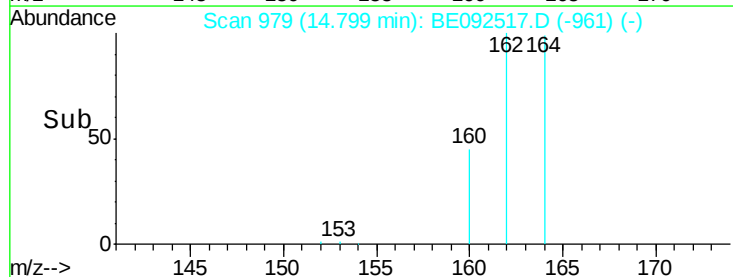
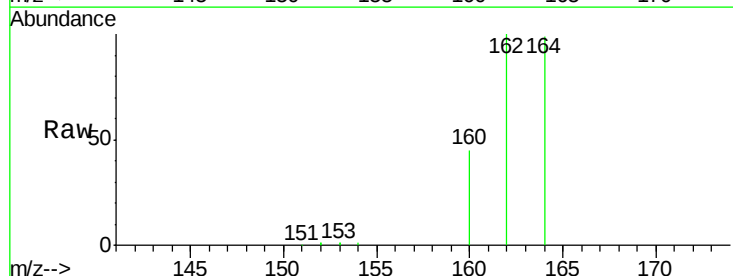
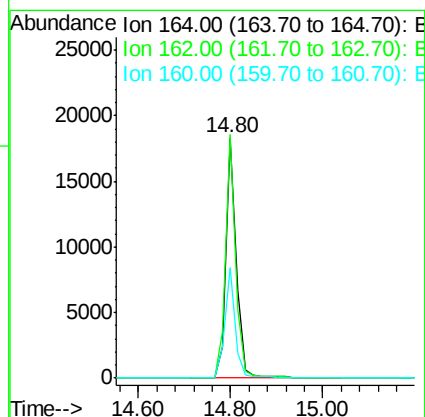
Manual Integrations
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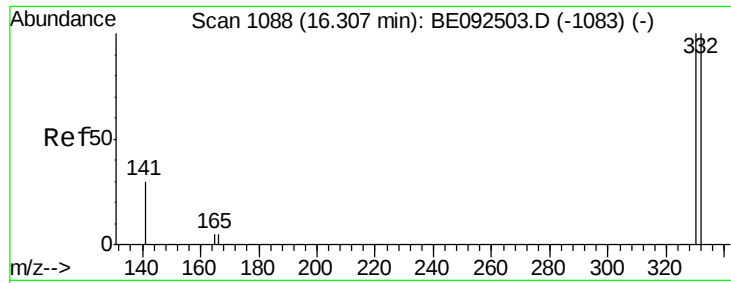
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	71.4	107.0
160	45.8	27.4	41.2





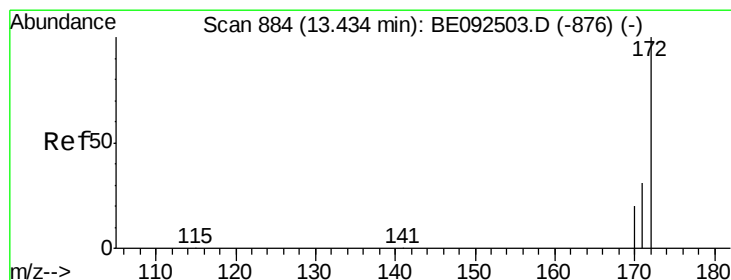
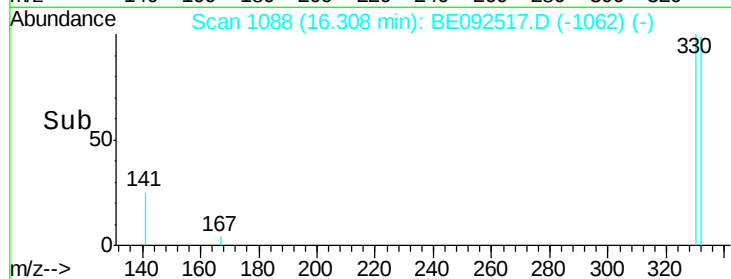
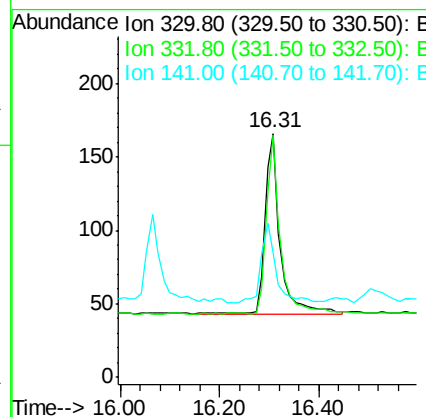
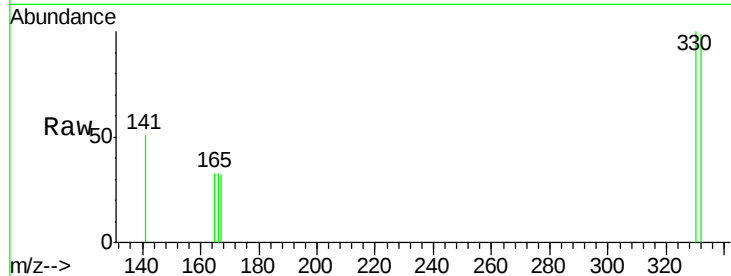
#13
 2,4,6-Tribromophenol
 Concen: 0.48 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: BE092517.D
 Acq: 8 Nov 2016 20:15

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.6	75.4	113.0
141	41.3	31.0	46.6

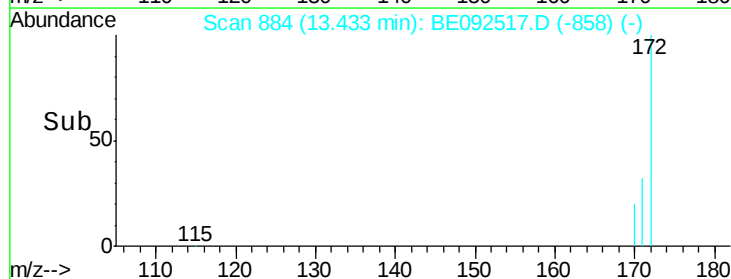
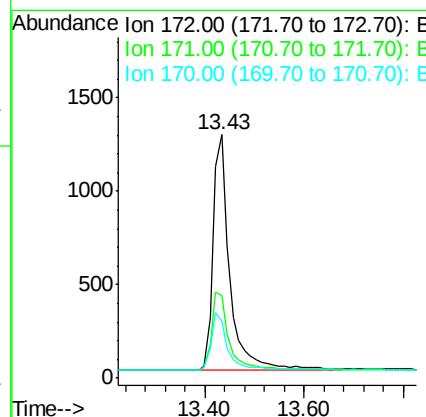
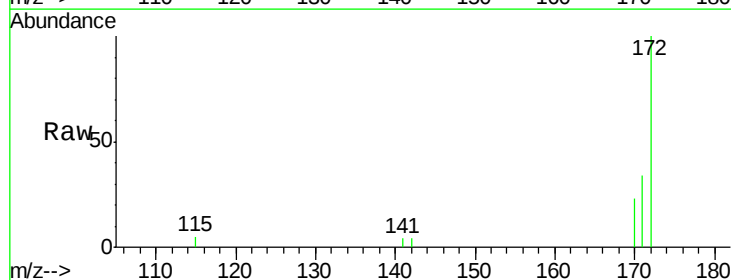
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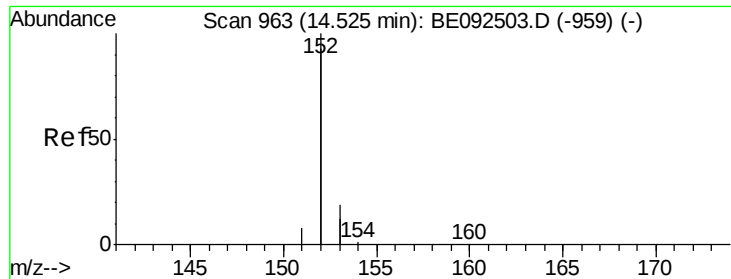
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#14
 2-Fluorobiphenyl
 Concen: 0.41 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: BE092517.D
 Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	30.1	45.1
170	23.1	21.8	32.6





#15

Acenaphthylene

Concen: 0.39 ng

RT: 14.51 min Scan# 962

Delta R.T. -0.02 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Instrument :

BNA_E

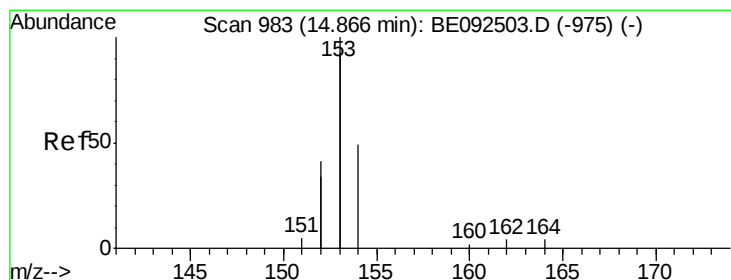
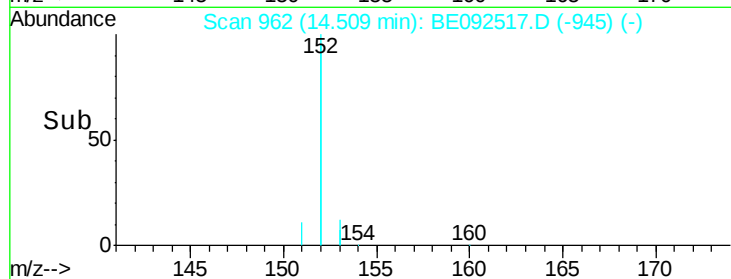
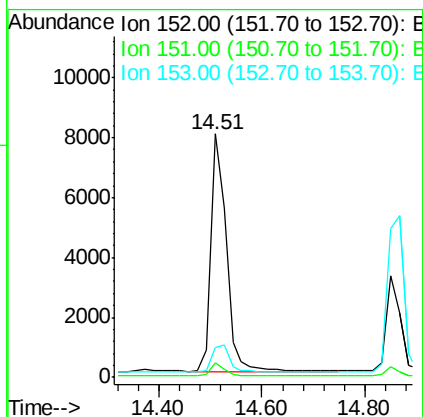
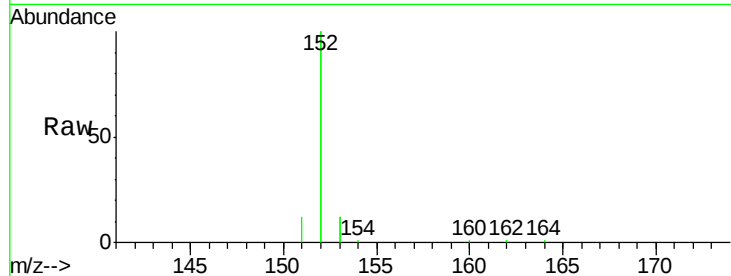
ClientSampleId :

SSTDCCC0.4EC

Tot Ion:	152	Resp:	16223
Ion Ratio	Lower	Upper	
152	100		
151	4.9	3.9	5.9
153	12.9	10.4	15.6

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#16

Acenaphthene

Concen: 0.39 ng

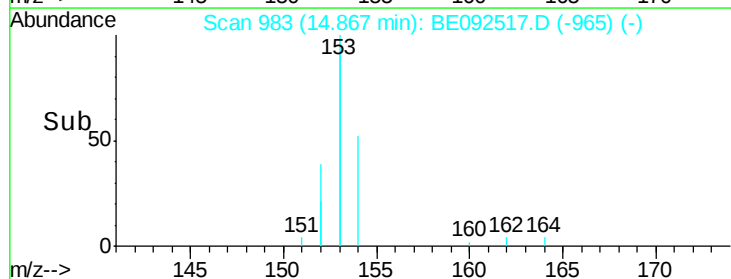
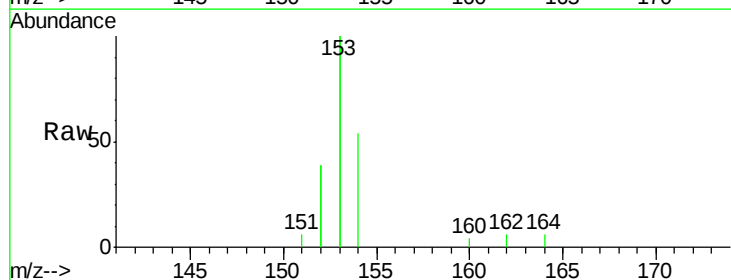
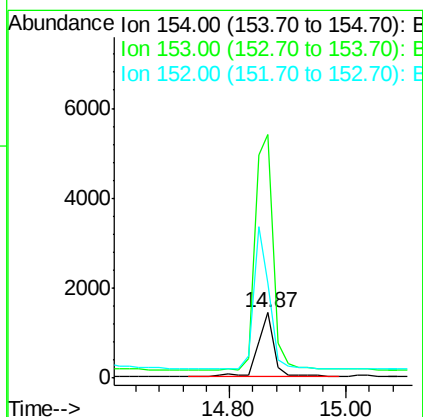
RT: 14.87 min Scan# 983

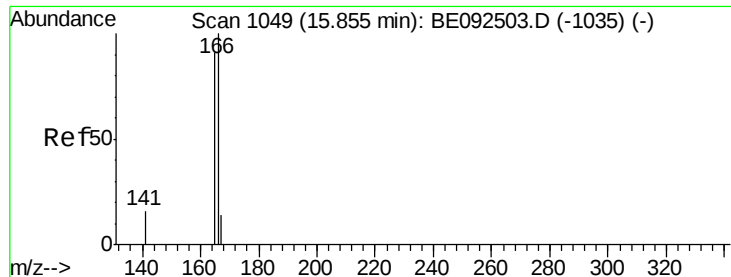
Delta R.T. 0.00 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Tgt Ion:	154	Resp:	2634
Ion Ratio	Lower	Upper	
154	100		
153	433.2	350.8	526.2
152	225.8	171.1	256.7





#17

Fluorene

Concen: 0.39 ng

RT: 15.86 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Instrument :

BNA_E

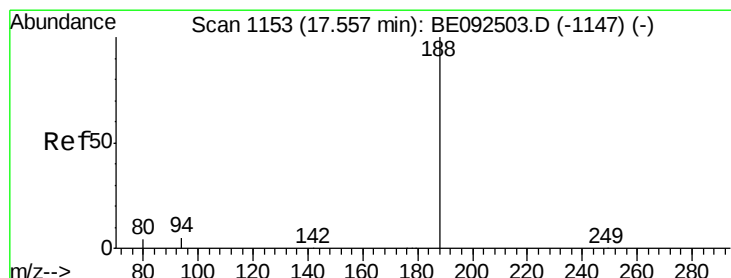
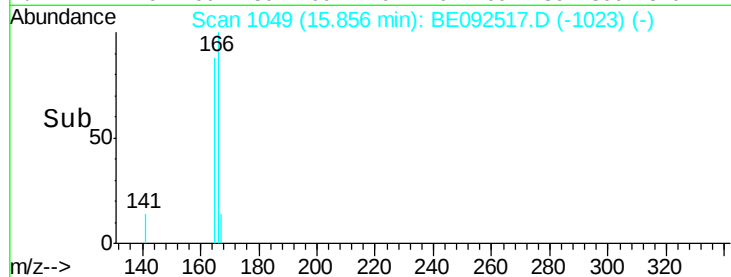
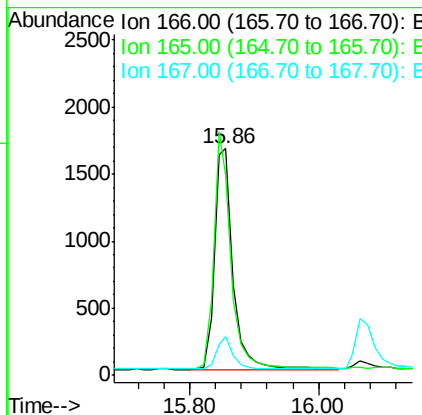
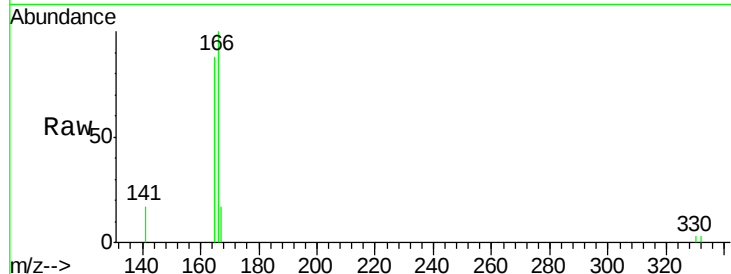
ClientSampleId :

SSTDCCC0.4EC

Tot Ion:	166	Resp:	3323
Ion Ratio	Lower	Upper	
166	100		
165	98.7	78.2	117.4
167	13.1	11.0	16.4

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#18

Phenanthrene-d10

Concen: 5.00 ng

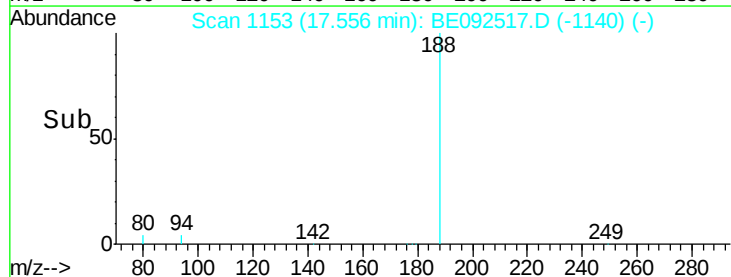
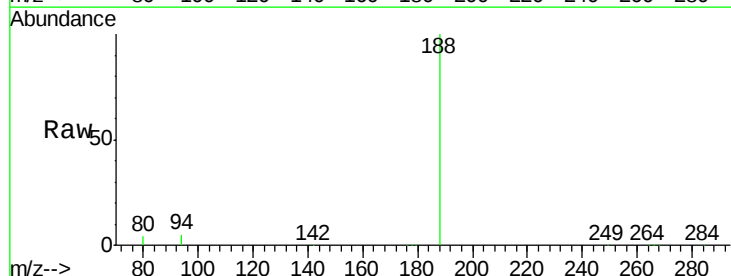
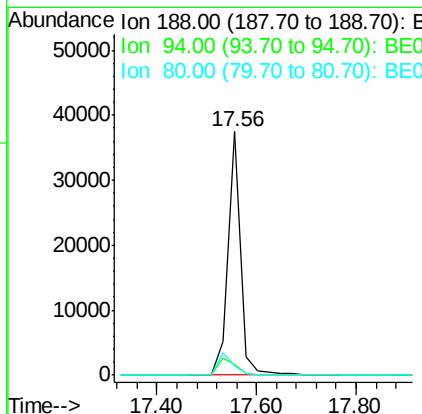
RT: 17.56 min Scan# 1153

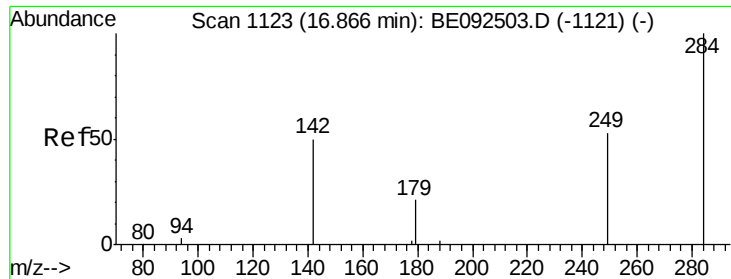
Delta R.T. -0.00 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Tgt Ion:	188	Resp:	65195
Ion Ratio	Lower	Upper	
188	100		
94	4.6	3.2	4.8
80	4.0	2.6	3.8





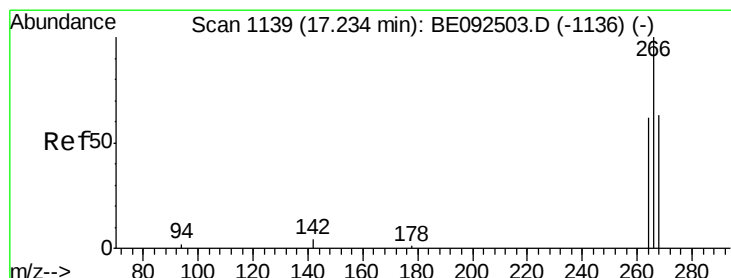
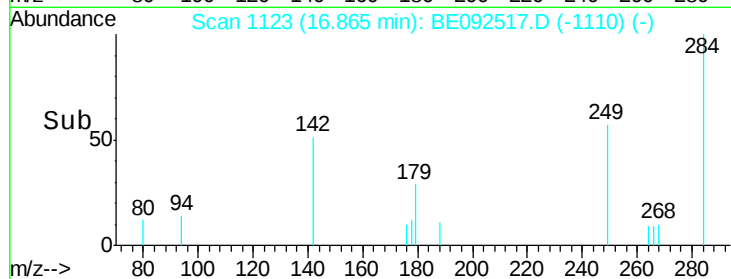
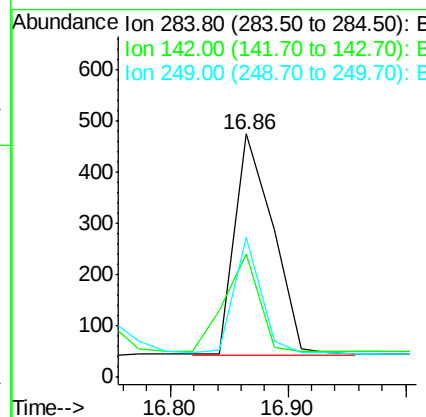
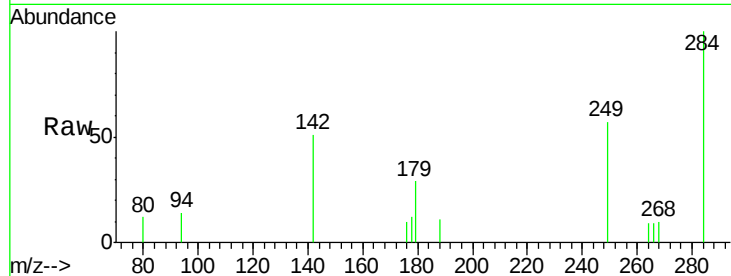
#19
Hexachlorobenzene
Concen: 0.39 ng/ml
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
284	100		
142	46.6	29.1	43.7#
249	48.4	27.9	41.9#

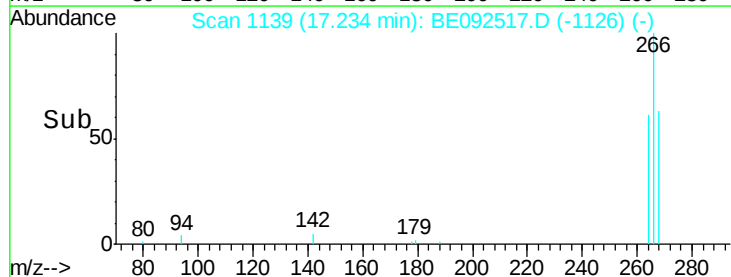
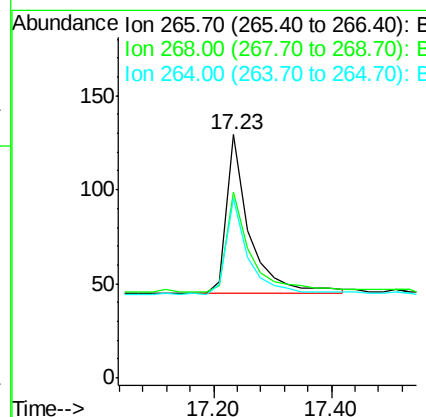
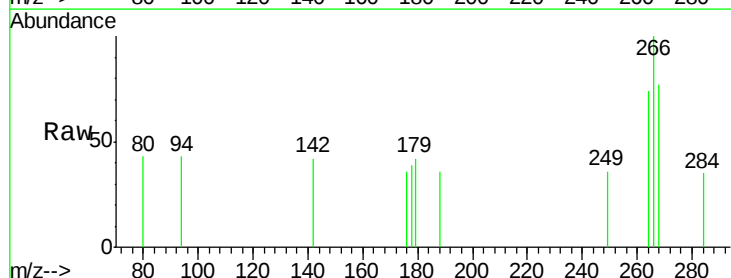
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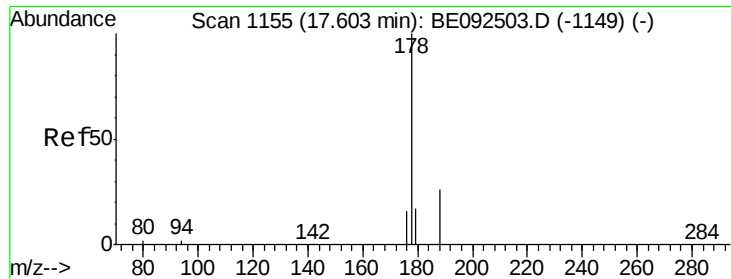
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#20
Pentachlorophenol
Concen: 0.32 ng/ml
RT: 17.23 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
266	100		
268	76.7	62.5	93.7
264	73.6	57.2	85.8





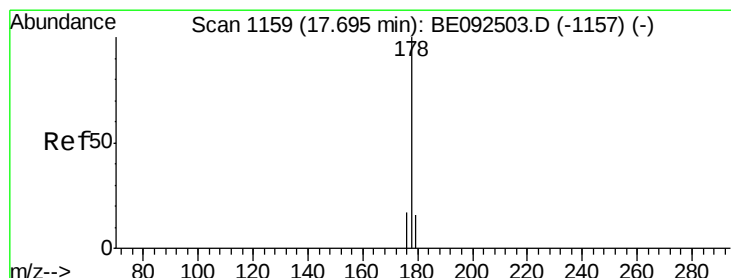
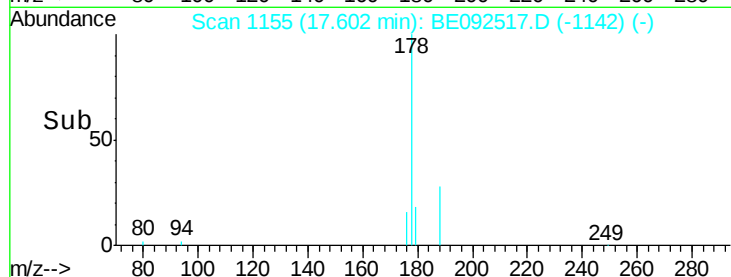
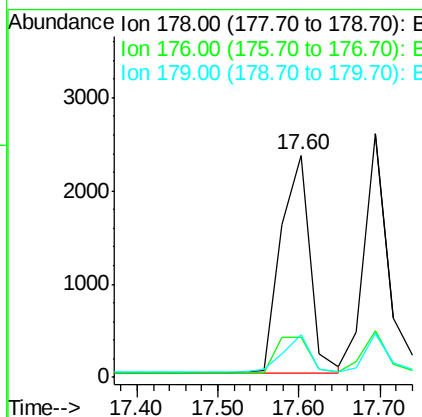
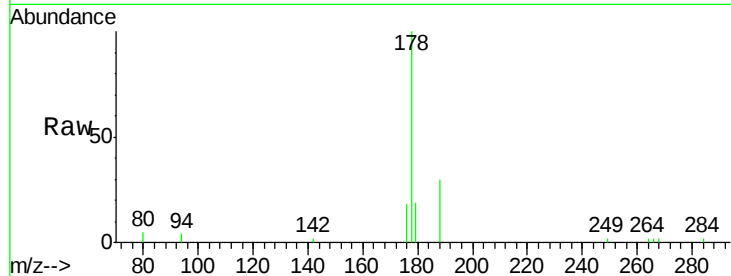
#21
Phenanthrene
Concen: 0.41 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	16.3	16.0	24.0

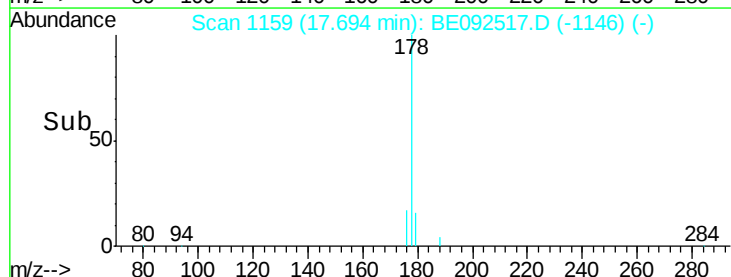
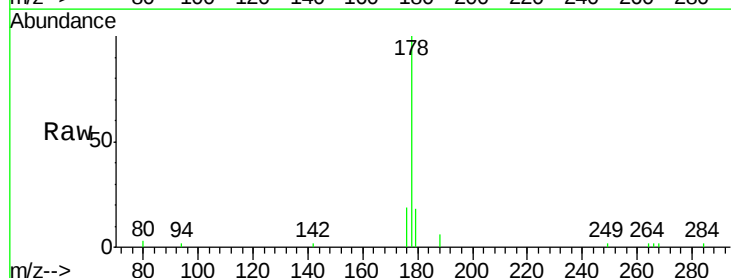
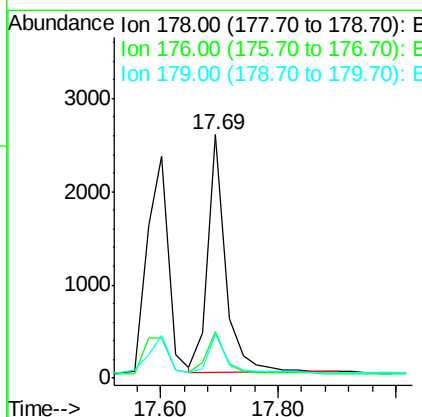
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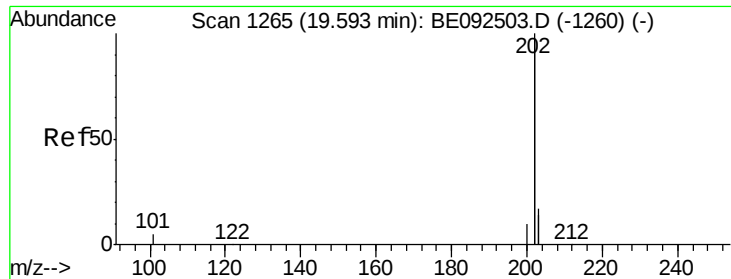
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#22
Anthracene
Concen: 0.40 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	16.5	12.2	18.2





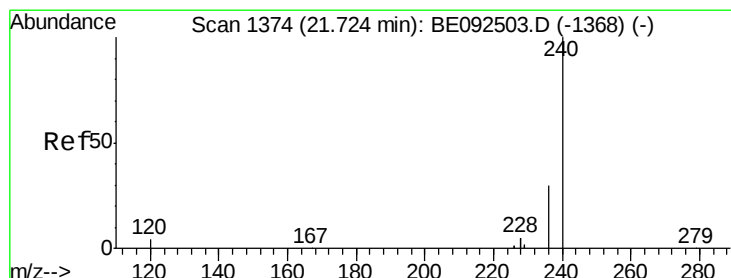
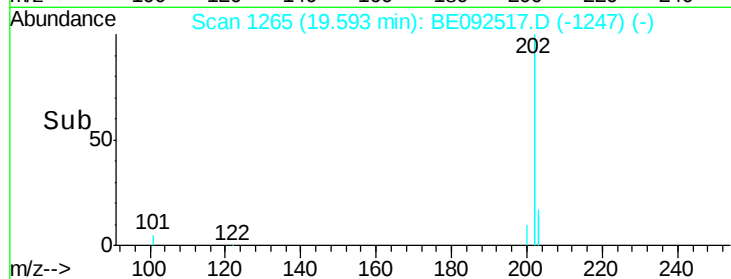
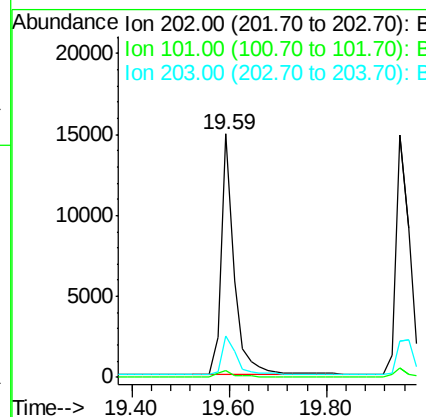
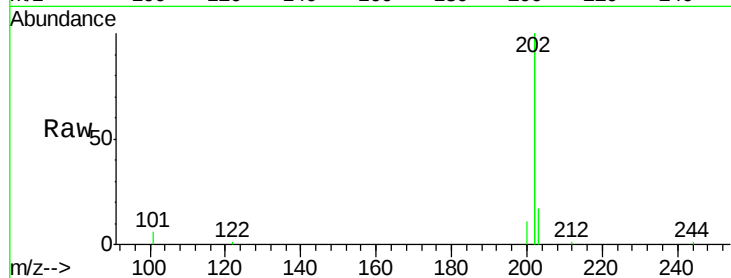
#23
Fluoranthene
 Concen: 0.39 ng
 RT: 19.59 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: BE092517.D
 Acq: 8 Nov 2016 20:15

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.5	13.7	20.5

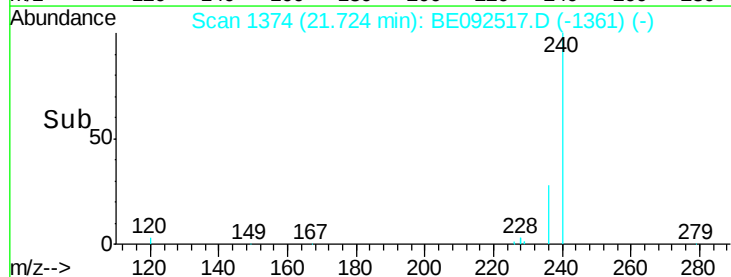
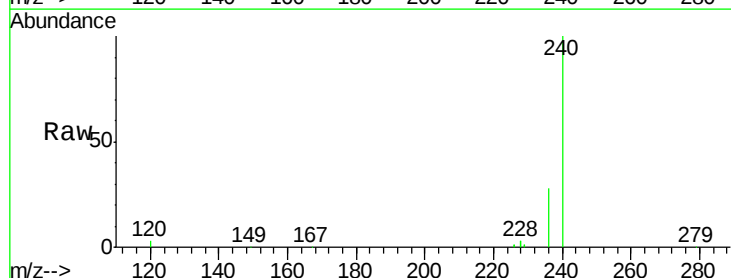
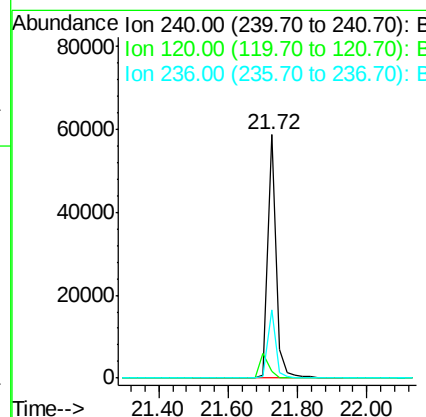
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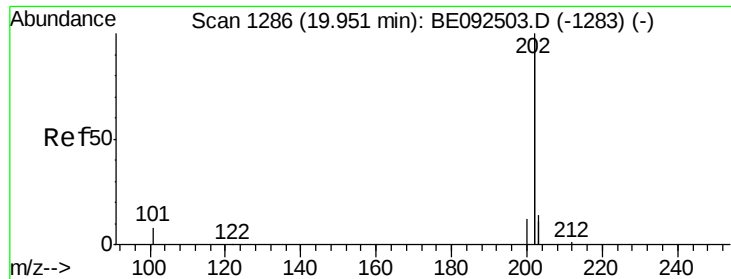
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#24
Chrysene-d12
 Concen: 5.00 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092517.D
 Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	2.9	2.6	4.0
236	28.1	24.6	37.0





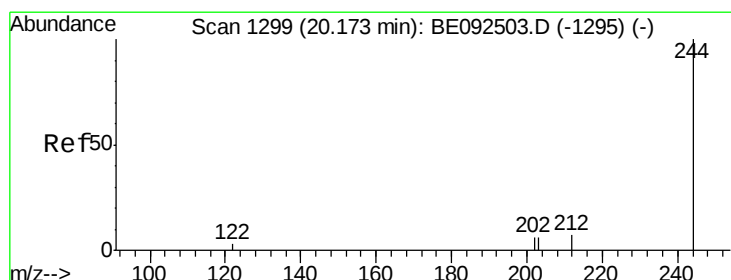
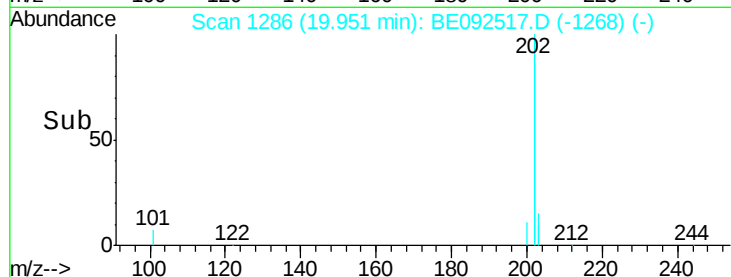
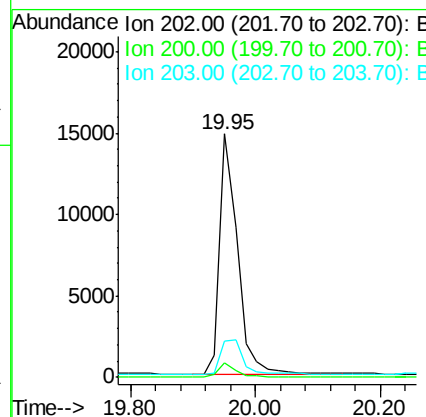
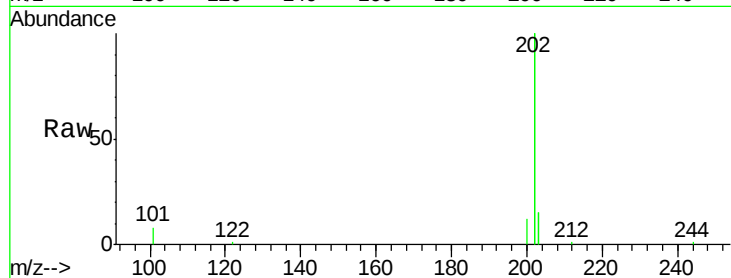
#25
Pvrene
Concen: 0.38 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
202	100		
200	5.1	4.2	6.4
203	17.6	13.9	20.9

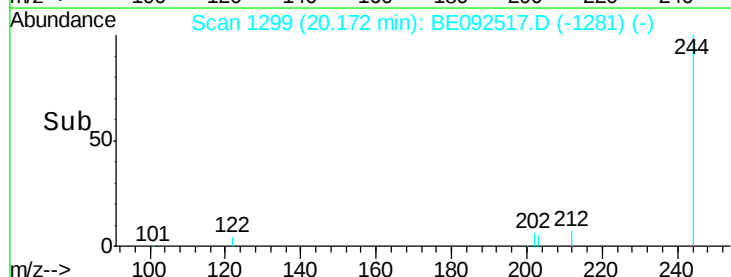
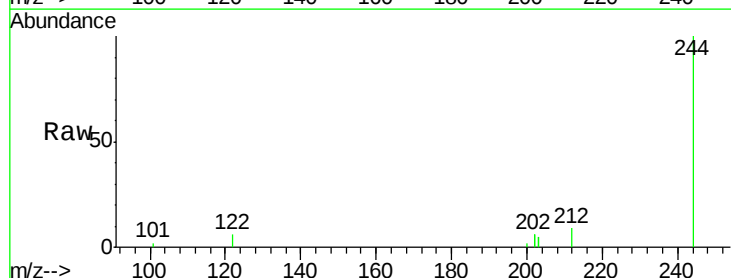
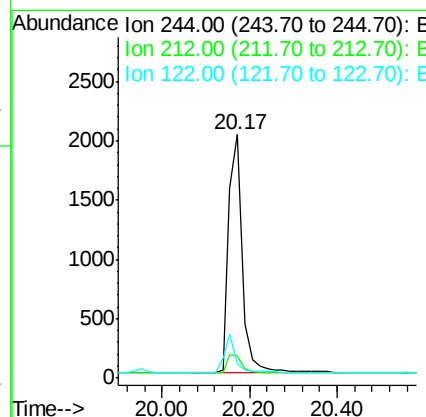
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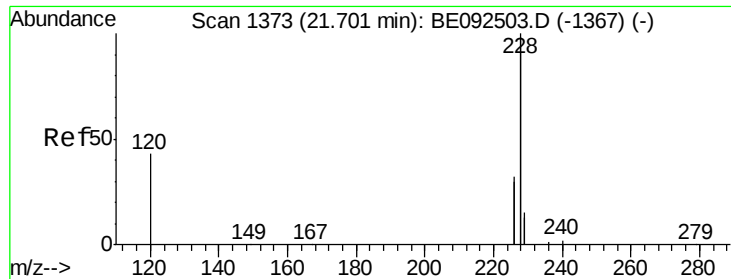
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#26
Terphenyl-d14
Concen: 0.39 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	6.7	10.1
122	5.9	3.6	5.4#





#27

Benzo(a)anthracene

Concen: 0.38 ng m

RT: 21.70 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Instrument :

BNA_E

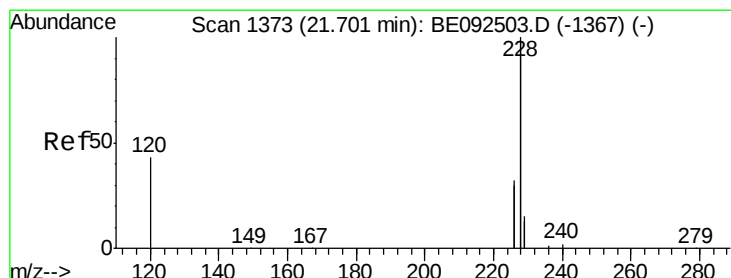
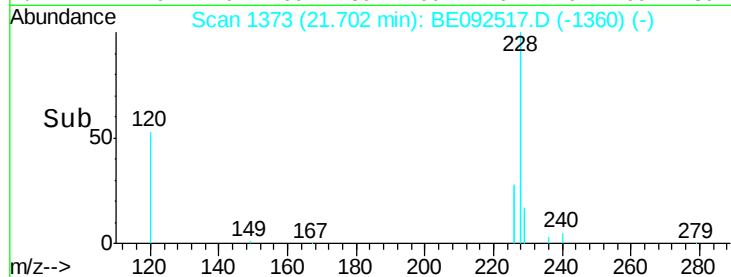
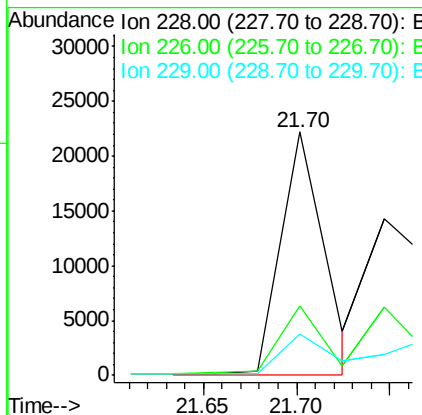
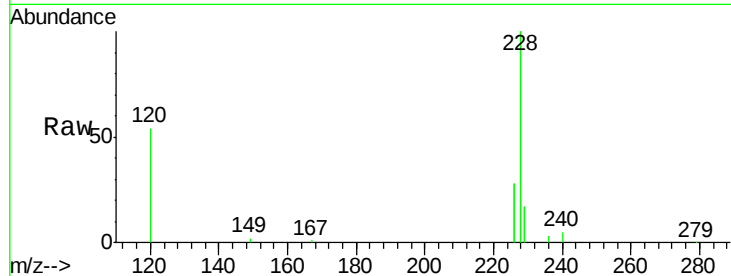
ClientSampleId :

SSTDCCC0.4EC

Tot Ion:	228	Resp:	36402
Ion Ratio	Lower	Upper	
228	100		
226	28.4	23.6	35.4
229	16.9	13.3	19.9

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#28

Chrysene

Concen: 0.35 ng m

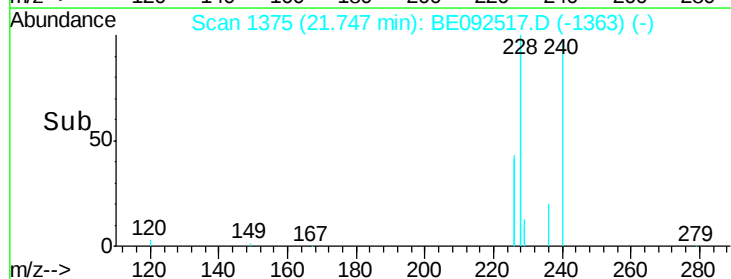
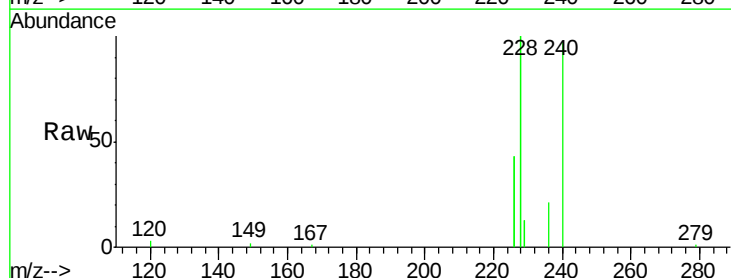
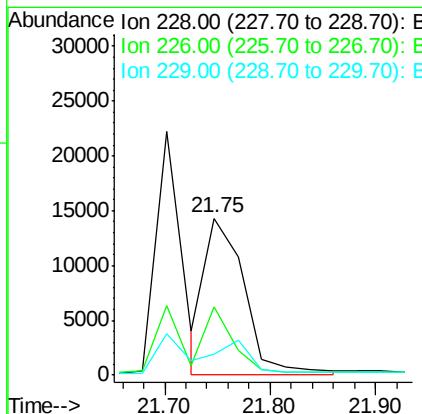
RT: 21.75 min Scan# 1375

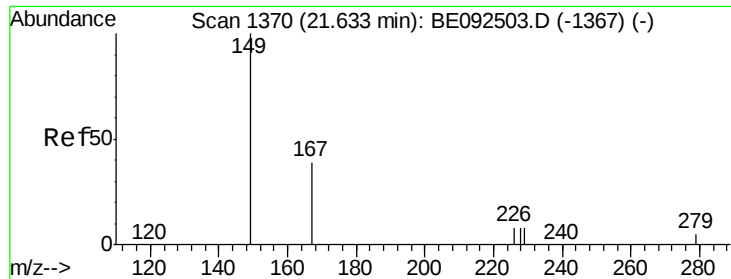
Delta R.T. -0.02 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Tgt Ion:	228	Resp:	38244
Ion Ratio	Lower	Upper	
228	100		
226	43.5	36.3	54.5
229	13.4	10.6	16.0





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.39 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Instrument :

BNA_E

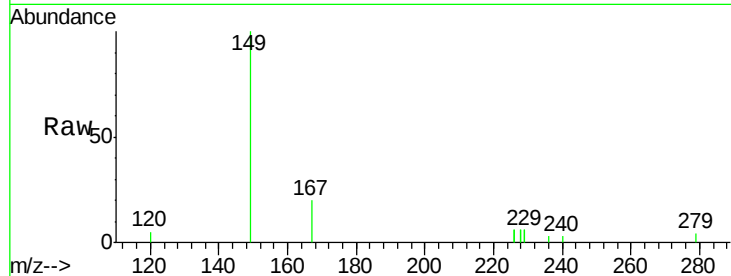
ClientSampleId :

SSTDCCC0.4EC

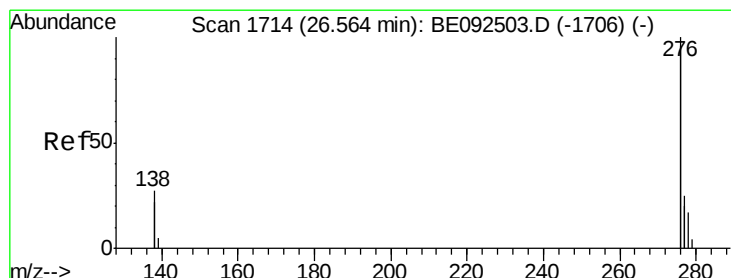
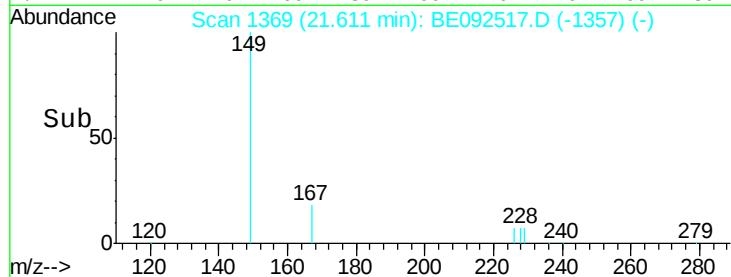
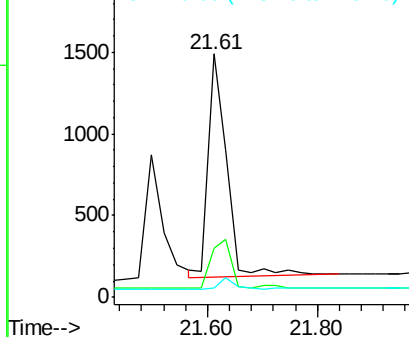
Tot Ion:	149	Resp:	3224
Ion Ratio	Lower	Upper	
149	100		
167	0.0	16.0	24.0#
279	0.0	16.0	24.0#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng

RT: 26.56 min Scan# 1714

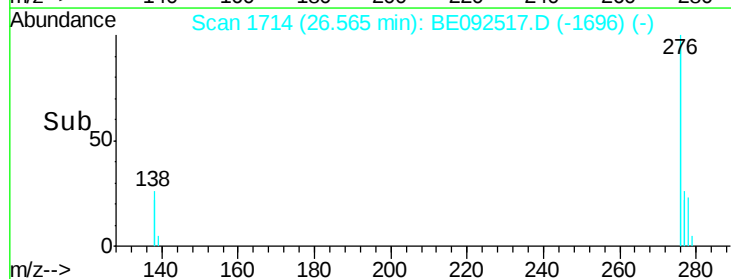
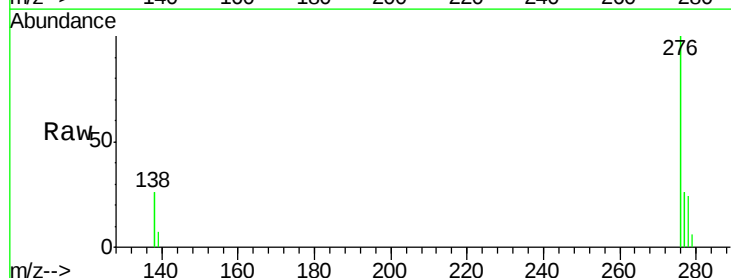
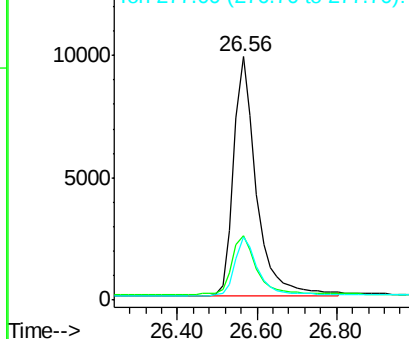
Delta R.T. 0.00 min

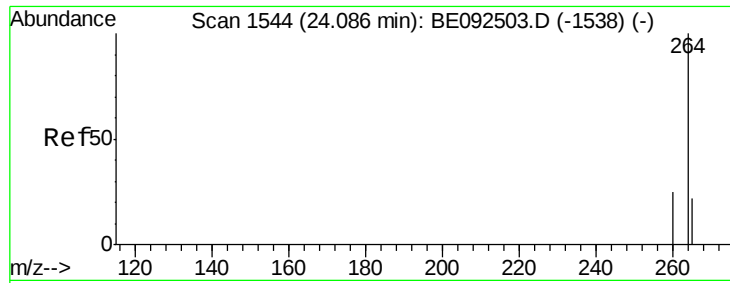
Lab File: BE092517.D

Acq: 8 Nov 2016 20:15

Tgt Ion:	276	Resp:	38856
Ion Ratio	Lower	Upper	
276	100		
138	27.0	20.3	30.5
277	24.7	19.7	29.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





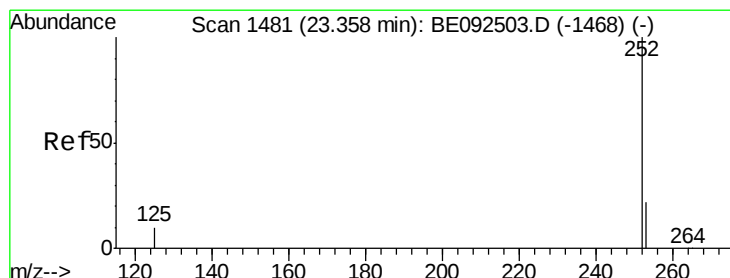
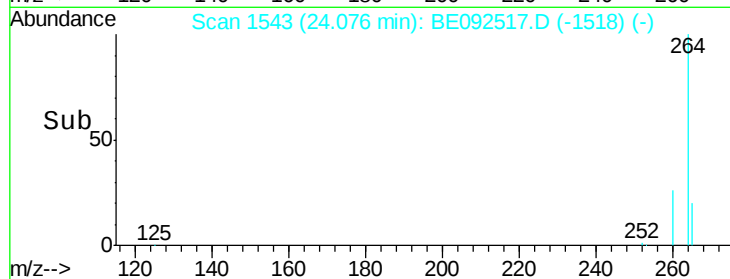
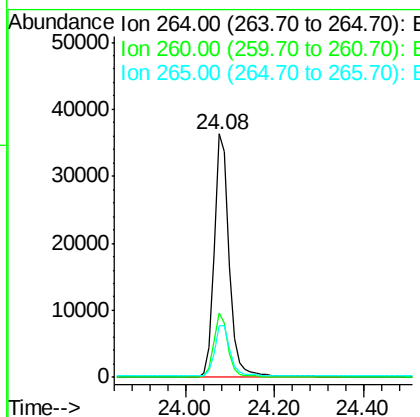
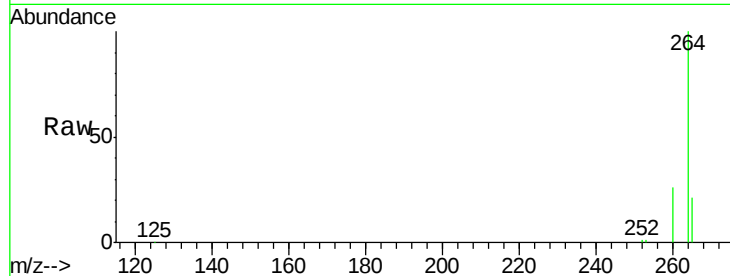
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.1	30.1
265	21.0	17.9	26.9

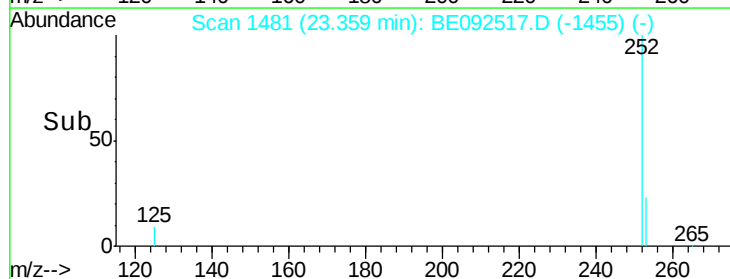
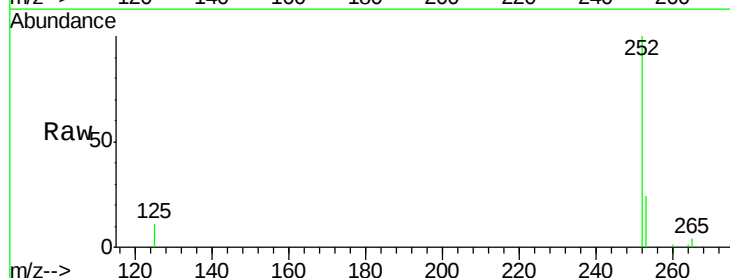
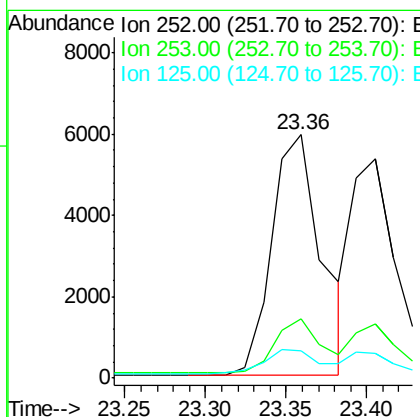
Manual Integrations
APPROVED

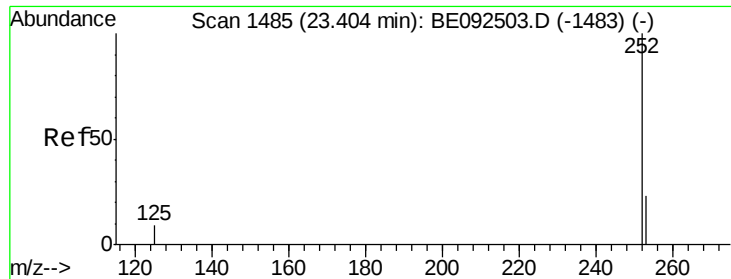
umangi
11/9/2016 10:58:56 AM



#32
Benzo(b)fluoranthene
Concen: 0.39 ng
RT: 23.36 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.7	28.1
125	11.0	10.5	15.7





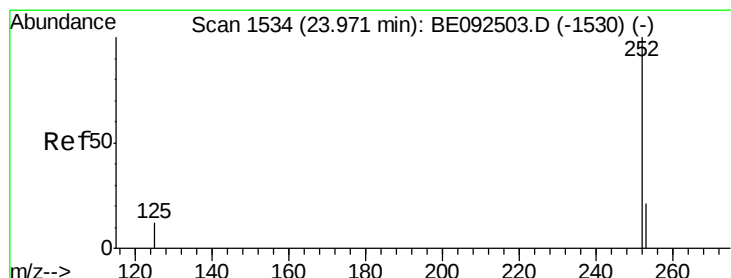
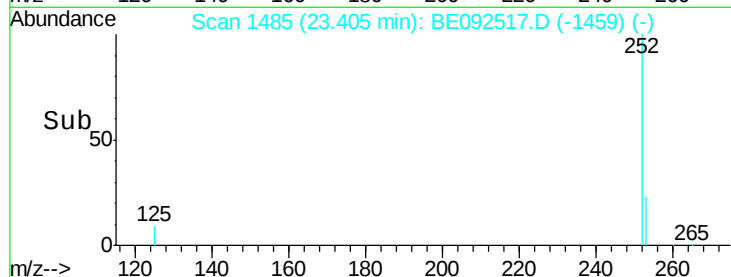
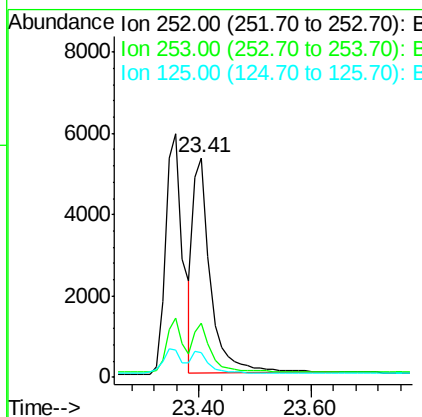
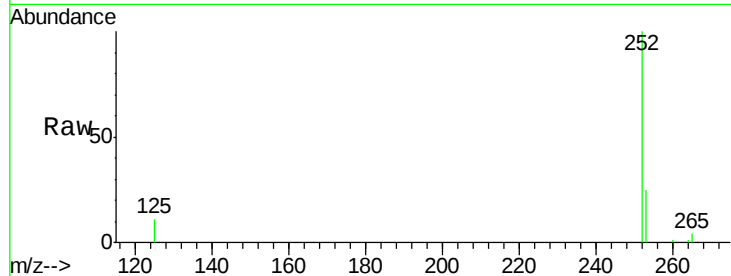
#33
Benzo(k)fluoranthene
Concen: 0.32 ng
RT: 23.41 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.3	30.5
125	11.1	9.6	14.4

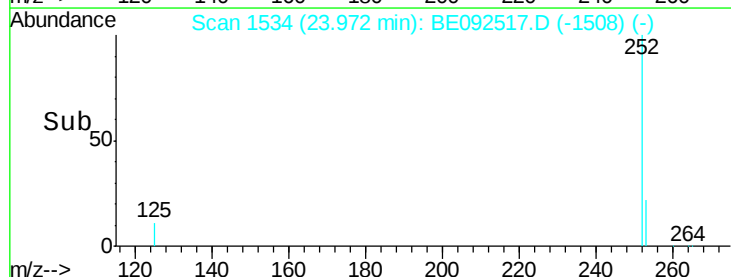
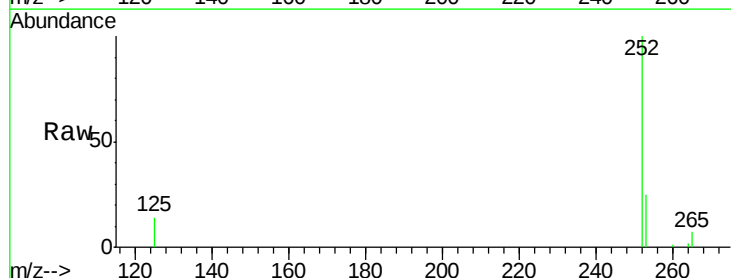
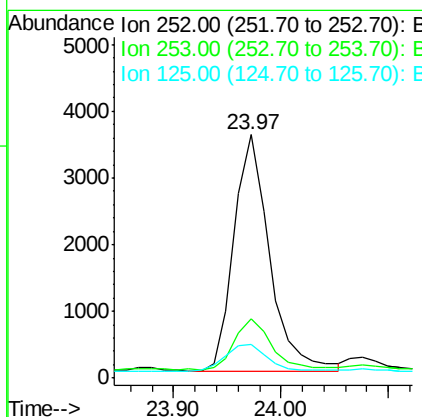
Manual Integrations
APPROVED

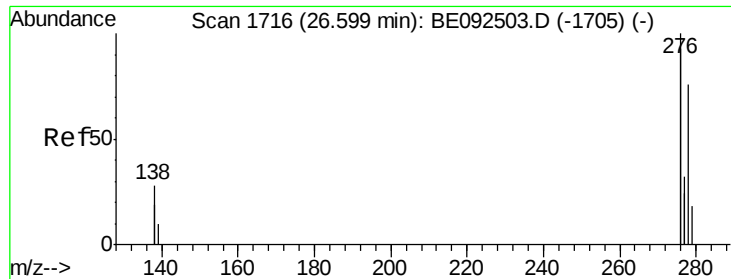
umangi
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#34
Benzo(a)pyrene
Concen: 0.37 ng
RT: 23.97 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.0	28.6
125	13.7	11.8	17.8





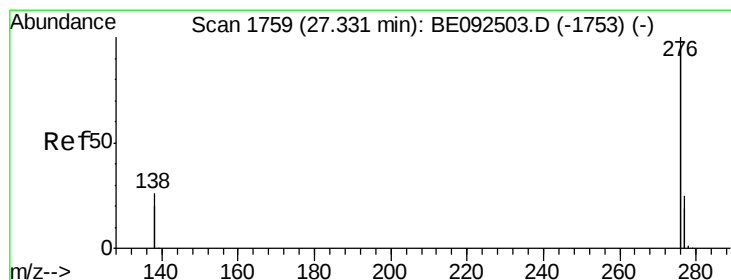
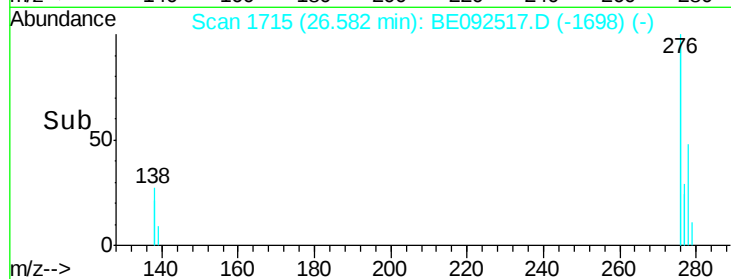
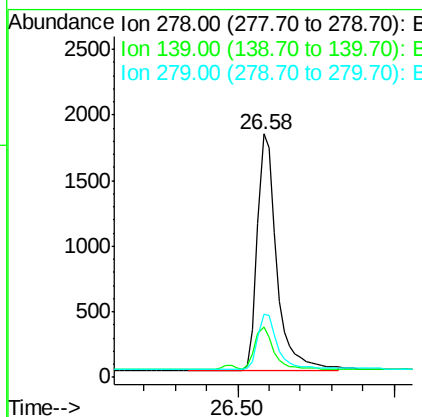
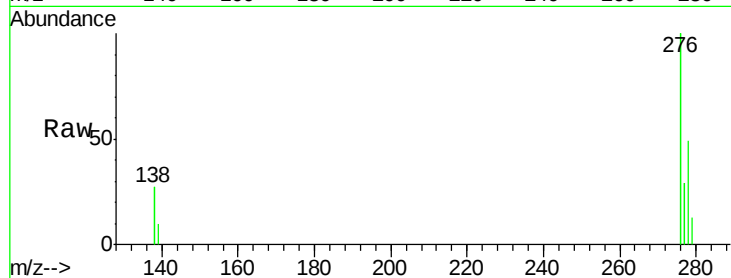
#35
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.58 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.6	13.8	20.8
279	26.0	21.4	32.2

Manual Integrations
APPROVED

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#36
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 27.33 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BE092517.D
Acq: 8 Nov 2016 20:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.8	29.8
138	25.1	19.8	29.6

