

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021517\
 Data File : BE092732.D
 Acq On : 15 Feb 2017 14:20
 Operator : SJ/MA
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Manual Integrations
 APPROVED

mohammad
 2/16/2017 11:47:14 AM

Quant Time: Feb 15 14:59:10 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE021517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 13:34:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	9681	5.00	ng	0.00
7) Naphthalene-d8	10.89	136	46527	5.00	ng	0.00
12) Acenaphthene-d10	14.76	164	29962	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	61353	5.00	ng	0.00
24) Chrysene-d12	21.70	240	67440	5.00	ng	0.00
31) Perylene-d12	24.03	264	67984	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.62	112	3101	1.43	ng	-0.02
5) Phenol-d6	7.29	99	4020	1.52	ng	-0.02
8) Nitrobenzene-d5	9.27	82	4763	1.58	ng	-0.05
13) 2,4,6-Tribromophenol	16.26	330	1093	1.45	ng	-0.02
14) 2-Fluorobiphenyl	13.38	172	11646	1.58	ng	-0.02
26) Terphenyl-d14	20.12	244	14294	1.50	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	2020	1.35	ng	96
3) n-Nitrosodimethylamine	3.71	42	2423	1.39	ng	96
6) bis(2-Chloroethyl)ether	7.52	93	4627	1.65	ng	# 78
9) Naphthalene	10.93	128	15796	1.63	ng	95
10) Hexachlorobutadiene	11.22	225	2335	1.63	ng	99
11) 2-Methylnaphthalene	12.57	142	10320	1.71	ng	95
15) Acenaphthylene	14.47	152	70718	1.71	ng	99
16) Acenaphthene	14.82	154	10506	1.59	ng	90
17) Fluorene	15.81	166	13463	1.62	ng	99
19) Hexachlorobenzene	16.84	284	3623	1.56	ng	# 39
20) Pentachlorophenol	17.26	266	820	1.30	ng	97
21) Phenanthrene	17.56	178	23595	1.74	ng	# 94
22) Anthracene	17.65	178	22492	1.80	ng	99
23) Fluoranthene	19.56	202	99388	1.65	ng	99
25) Pyrene	19.92	202	107938	1.62	ng	100
27) Benzo(a)anthracene	21.68	228	105811	1.59	ng	# 80
28) Chrysene	21.72	228	126204m	1.69	ng	
29) Bis(2-ethylhexyl)phthalate	21.59	149	13696	1.11	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.48	276	128274	1.59	ng	98
32) Benzo(b)fluoranthene	23.31	252	26761	1.63	ng	# 96
33) Benzo(k)fluoranthene	23.36	252	30084	1.82	ng	96
34) Benzo(a)pyrene	23.91	252	26101	1.69	ng	95
35) Dibenzo(a,h)anthracene	26.50	278	26688	1.77	ng	95
36) Benzo(g,h,i)perylene	27.25	276	112260	1.76	ng	97

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

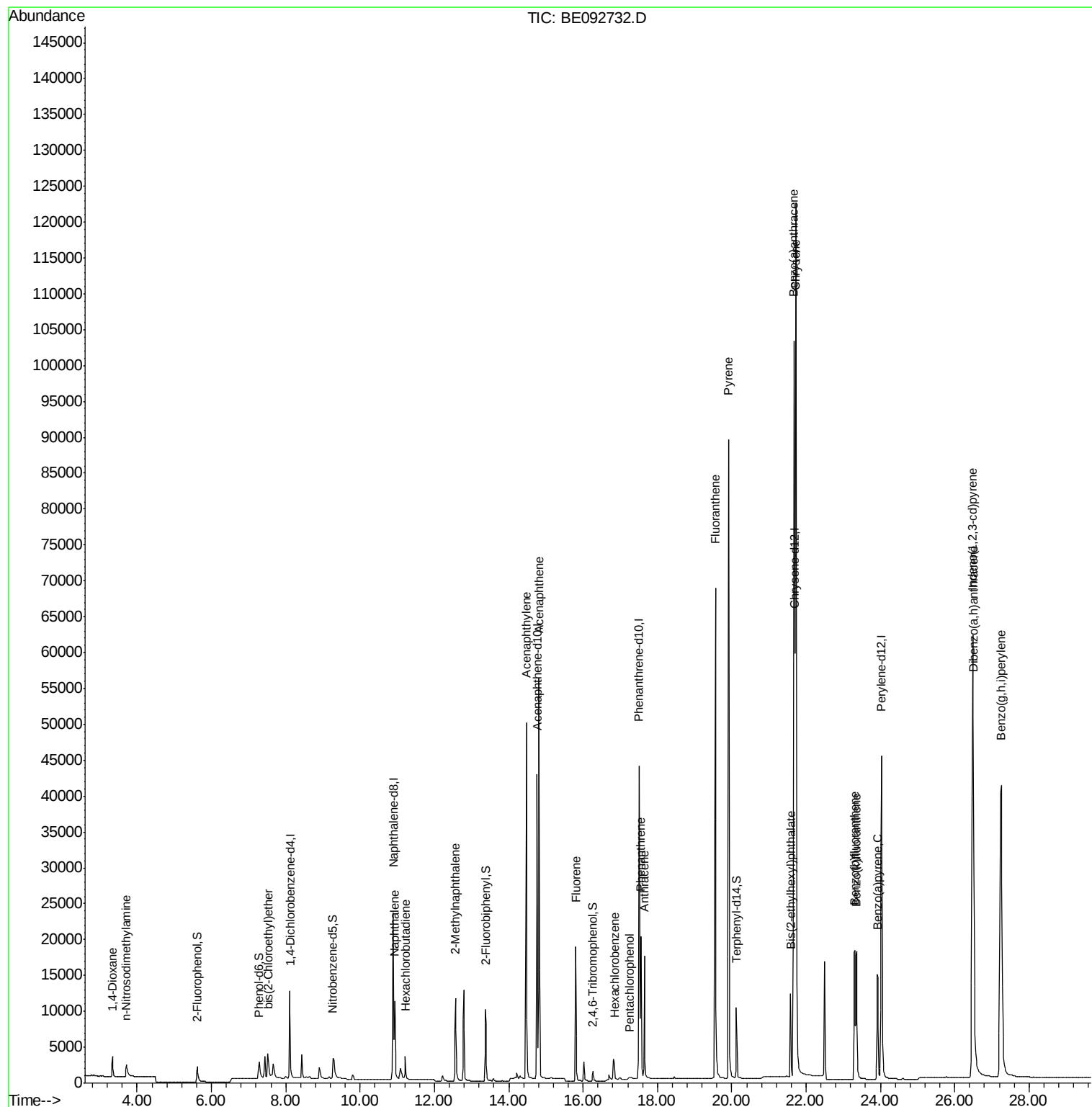
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021517\
Data File : BE092732.D
Acq On : 15 Feb 2017 14:20
Operator : SJ/MA
Sample : SSTDIC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

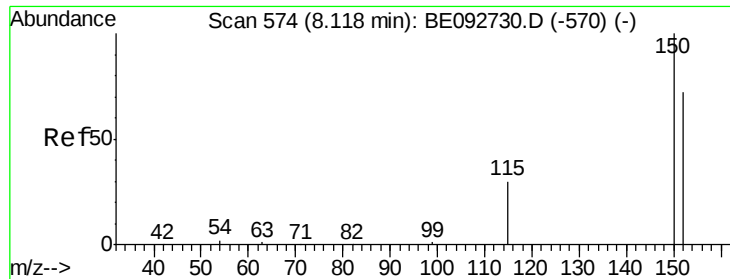
Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

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2/16/2017 11:47:14 AM

Quant Time: Feb 15 14:59:10 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE021517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 15 13:34:48 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.12 min Scan# 574

Delta R.T. 0.00 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Instrument :

BNA_E

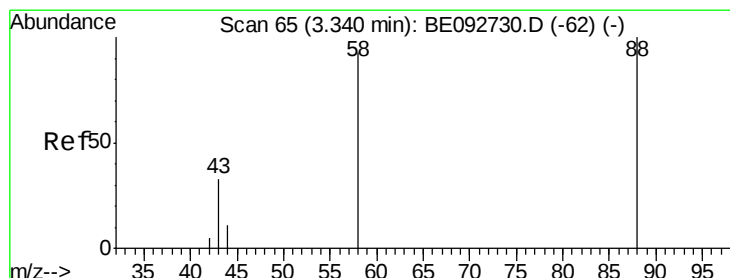
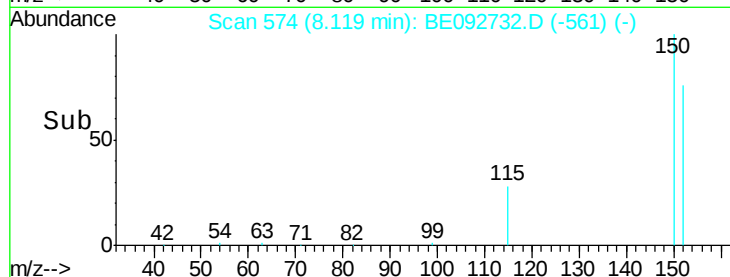
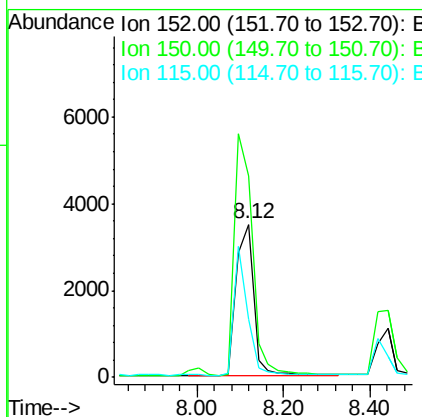
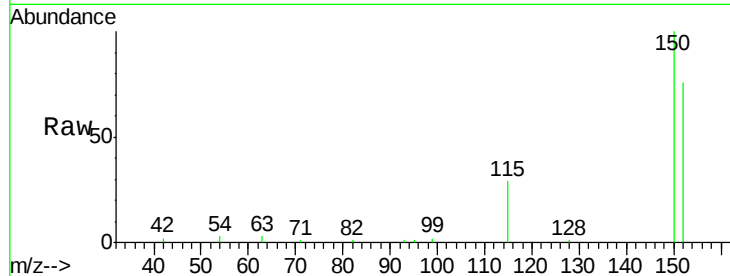
ClientSampleId :

SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
152	100		
150	131.2	106.0	159.0
115	37.5	31.2	46.8

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#2

1,4-Dioxane

Concen: 1.35 ng

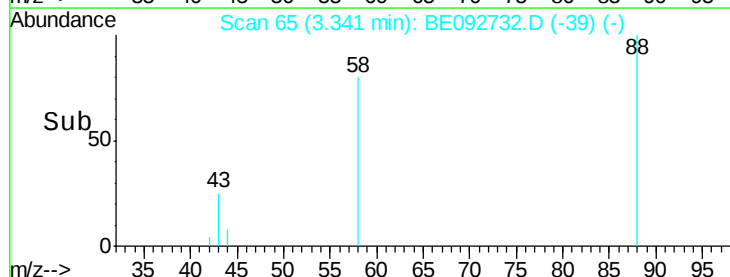
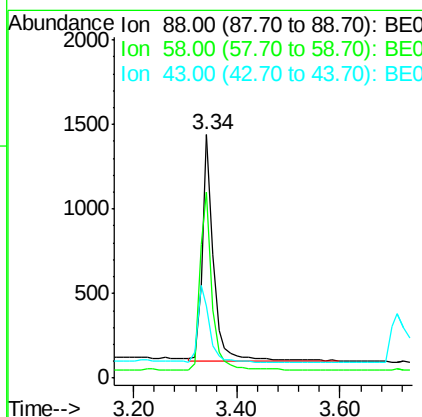
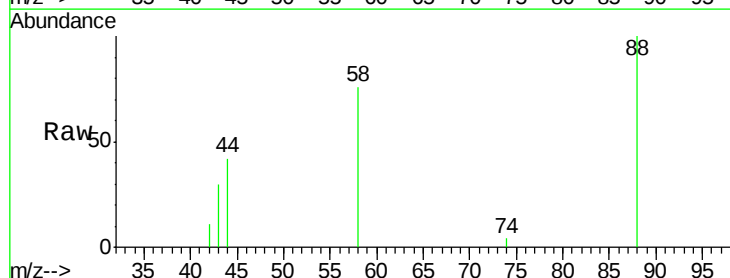
RT: 3.34 min Scan# 65

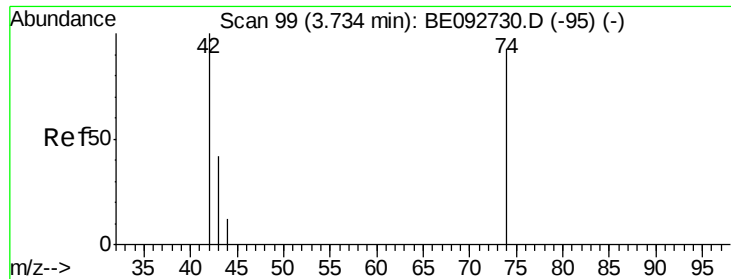
Delta R.T. 0.00 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.6	63.6	95.4
43	36.2	28.0	42.0





#3

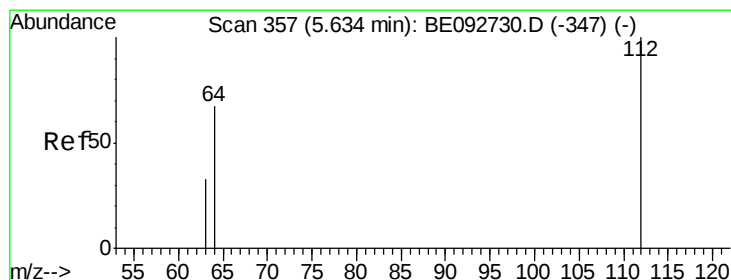
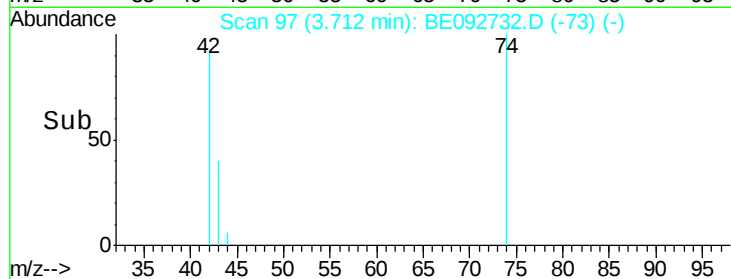
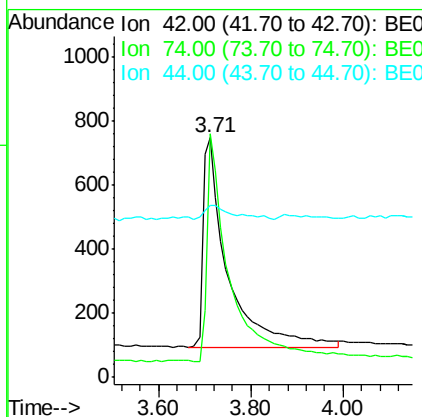
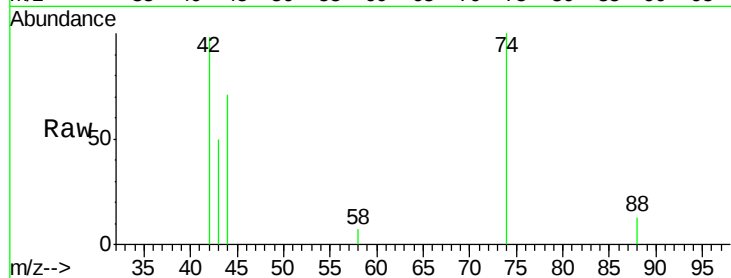
n-Nitrosodimethylamine
Concen: 1.39 ng
RT: 3.71 min Scan# 97
Delta R.T. -0.02 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 2423
Ion Ratio Lower Upper
42 100
74 103.0 86.0 129.0
44 7.3 5.1 7.7

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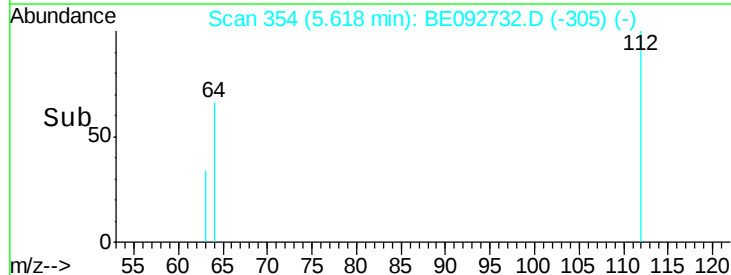
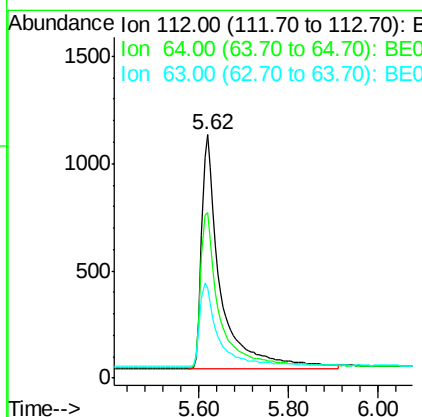
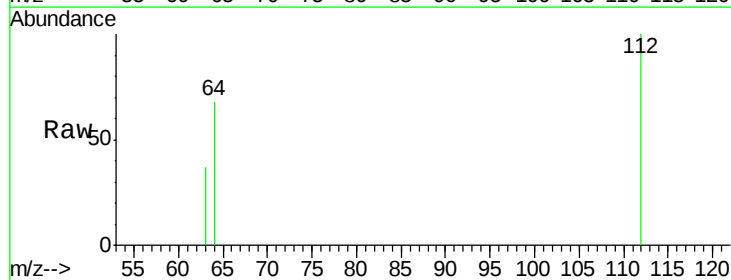
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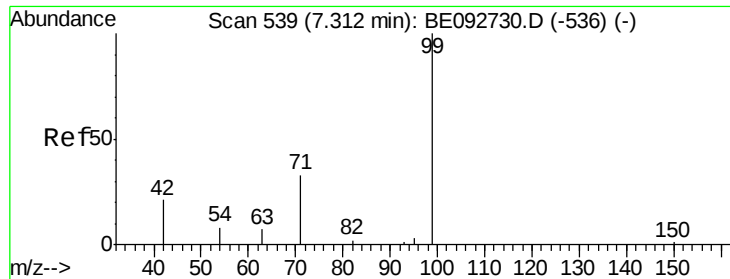


#4

2-Fluorophenol
Concen: 1.43 ng
RT: 5.62 min Scan# 354
Delta R.T. -0.02 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Tgt Ion: 112 Resp: 3101
Ion Ratio Lower Upper
112 100
64 66.7 53.5 80.3
63 35.2 27.9 41.9





#5

Phenol-d6

Concen: 1.52 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.02 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Instrument :

BNA_E

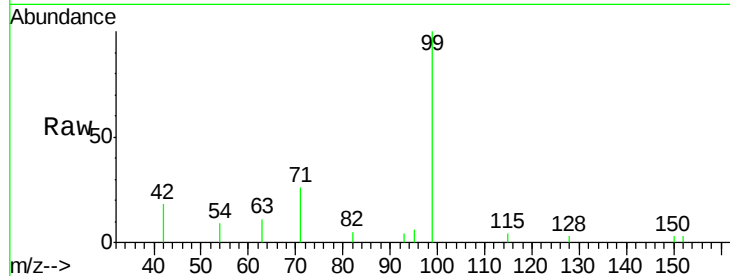
ClientSampleId :

SSTDICC1.6

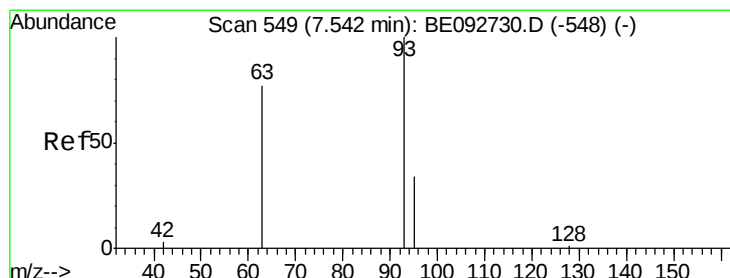
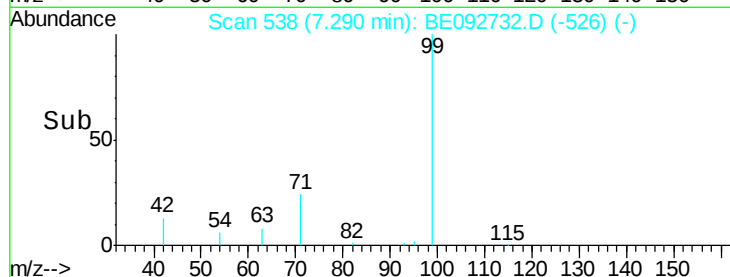
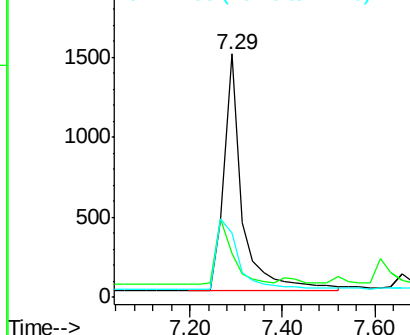
Tgt Ion:	99	Resp:	4020
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 1.65 ng

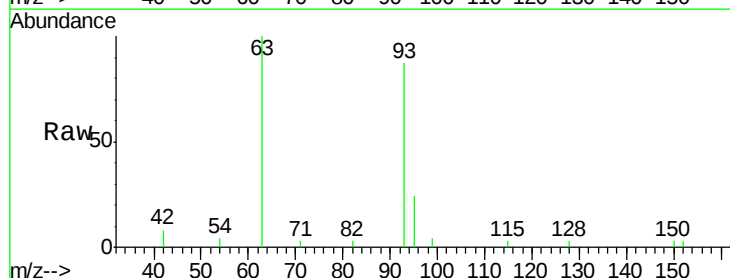
RT: 7.52 min Scan# 548

Delta R.T. -0.02 min

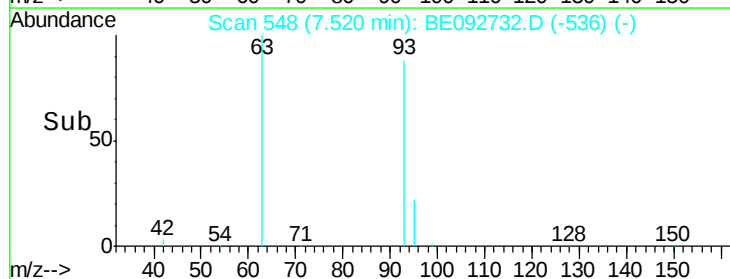
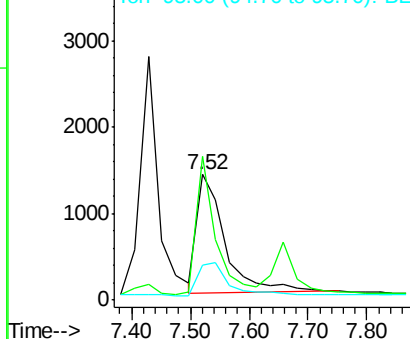
Lab File: BE092732.D

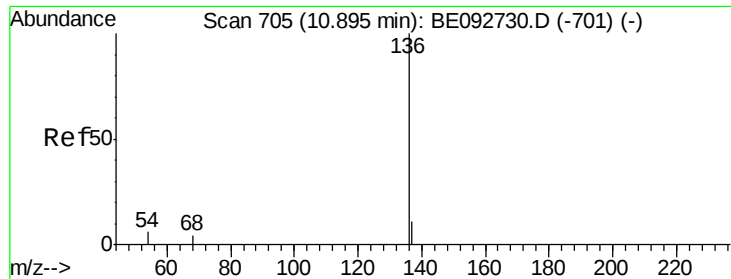
Acq: 15 Feb 2017 14:20

Tgt Ion:	93	Resp:	4627
Ion Ratio	Lower	Upper	
93	100		
63	79.7	71.6	107.4
95	0.0	24.0	36.0#



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.89 min Scan# 705

Delta R.T. -0.00 min

Lab File: BE092732.D

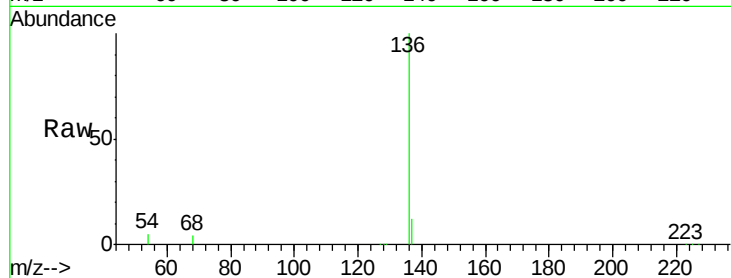
Acq: 15 Feb 2017 14:20

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6



Tgt Ion: 136 Resp: 46527

Ion Ratio Lower Upper

136 100

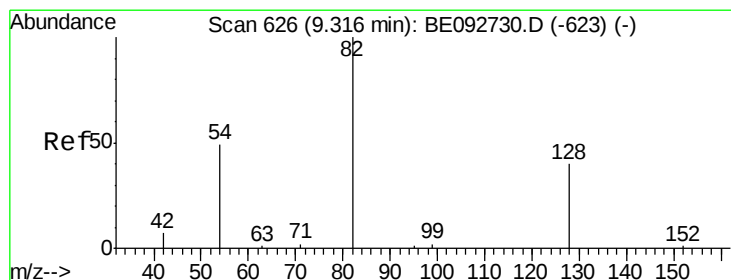
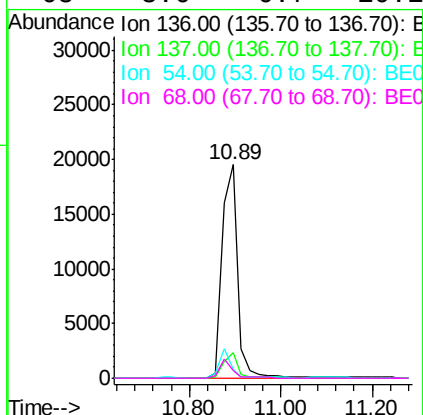
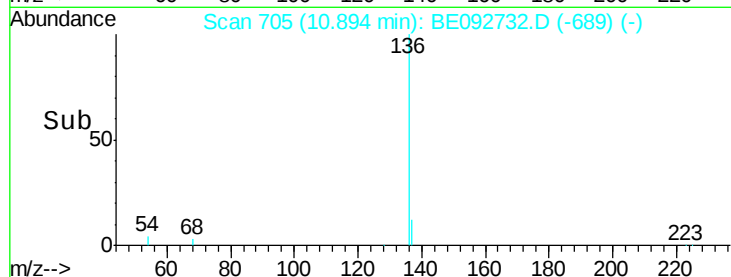
137 12.1 8.2 12.4

54 4.5 9.6 14.4#

68 3.6 6.7 10.1#

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#8

Nitrobenzene-d5

Concen: 1.58 ng

RT: 9.27 min Scan# 624

Delta R.T. -0.05 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

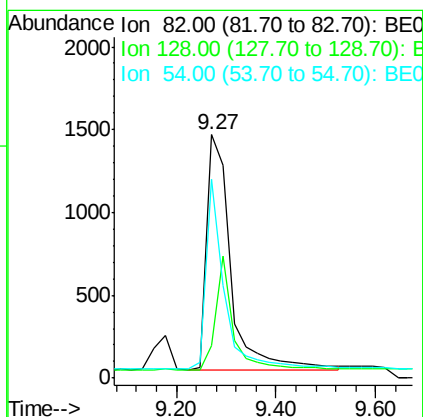
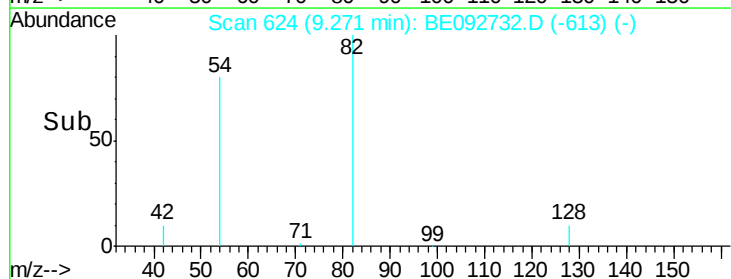
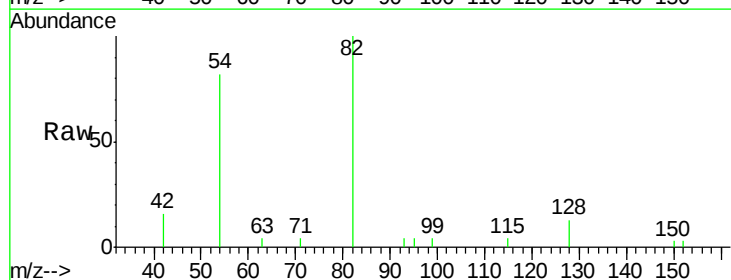
Tgt Ion: 82 Resp: 4763

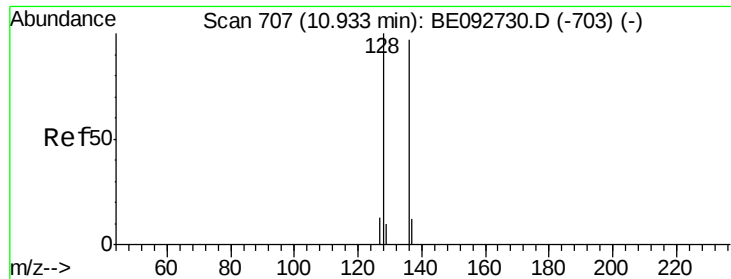
Ion Ratio Lower Upper

82 100

128 13.1 39.0 58.4#

54 81.7 44.8 67.2#





#9

Naphthalene

Concen: 1.63 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Instrument :

BNA_E

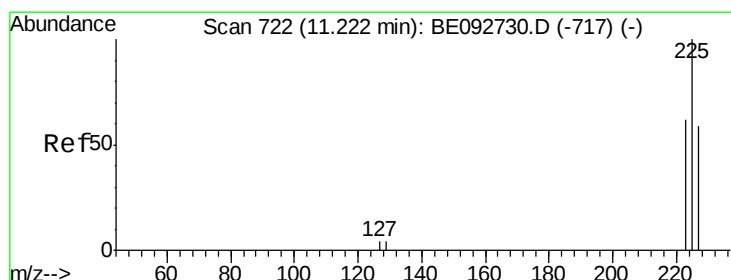
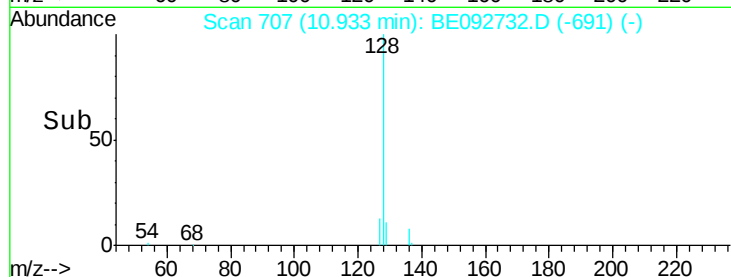
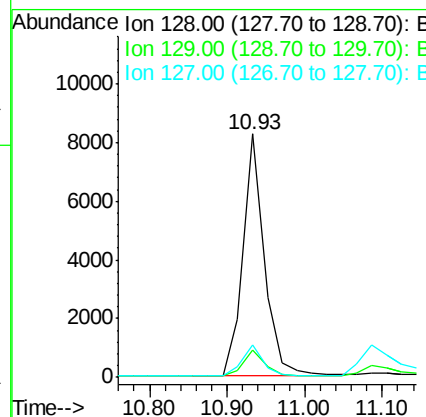
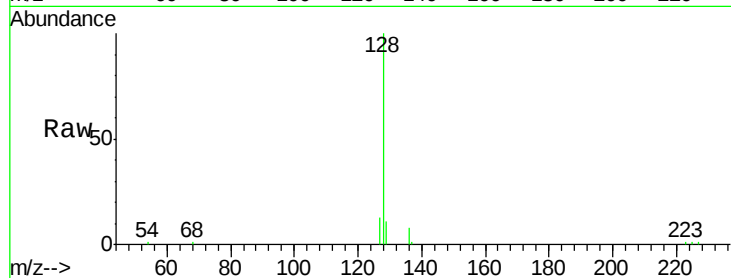
ClientSampleId :

SSTDICC1.6

Tgt Ion:	128	Resp:	15796
Ion Ratio	Lower	Upper	
128	100		
129	11.2	11.2	16.8
127	13.4	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 1.63 ng

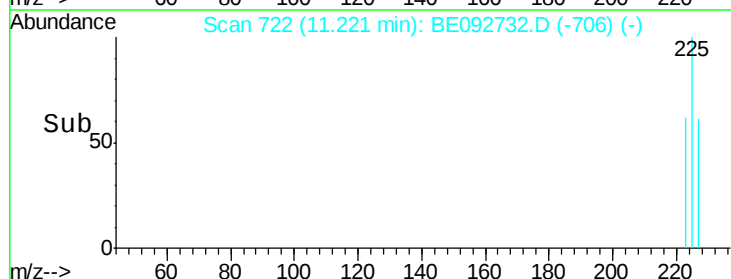
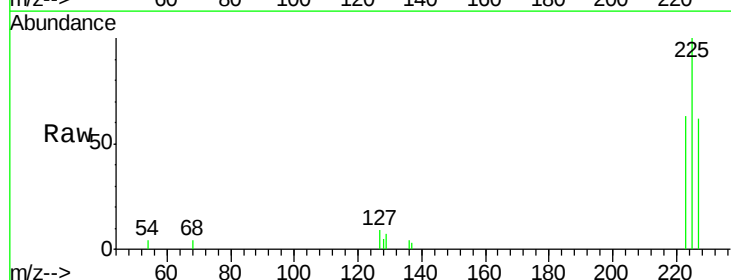
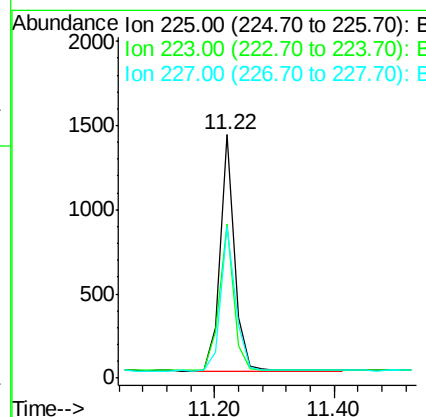
RT: 11.22 min Scan# 722

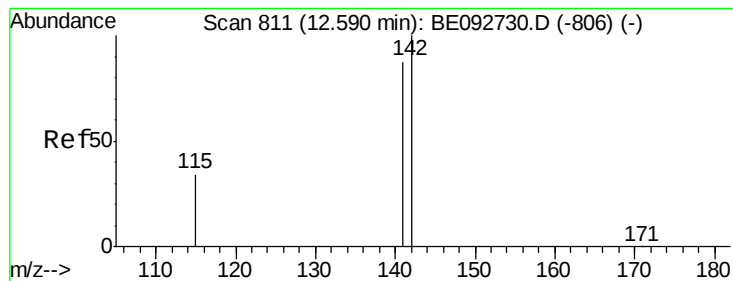
Delta R.T. -0.00 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Tgt Ion:	225	Resp:	2335
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.6	76.0
227	62.9	51.4	77.0





#11

2-Methylnaphthalene

Concen: 1.71 ng

RT: 12.57 min Scan# 809

Delta R.T. -0.02 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Instrument :

BNA_E

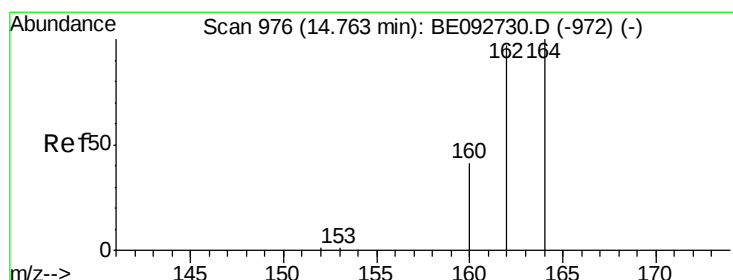
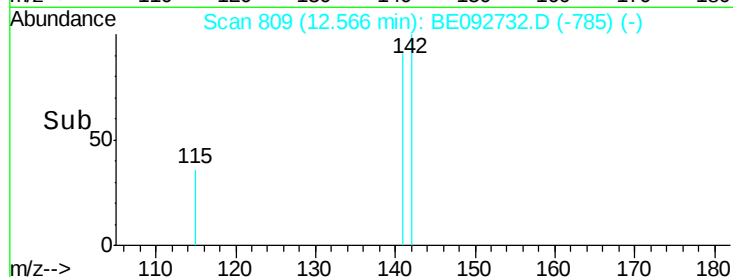
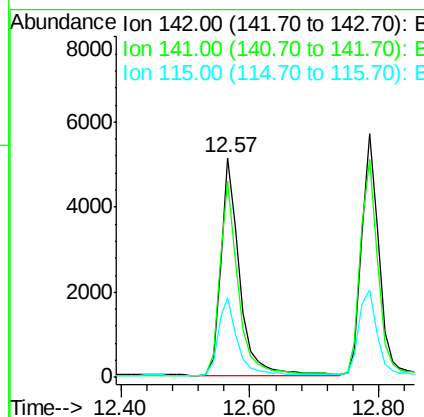
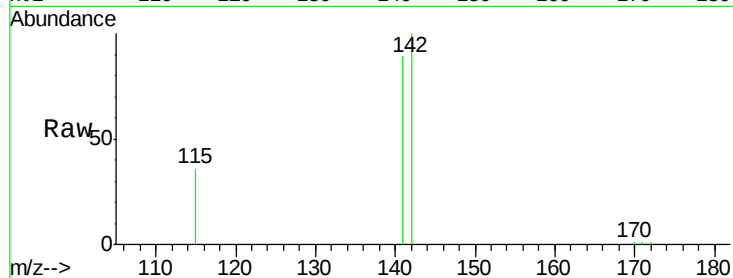
ClientSampleId :

SSTDICC1.6

Tgt Ion:	142	Resp:	10320
Ion Ratio	Lower	Upper	
142	100		
141	89.3	73.7	110.5
115	36.3	34.0	51.0

Manual Integrations
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#12

Acenaphthene-d10

Concen: 5.00 ng

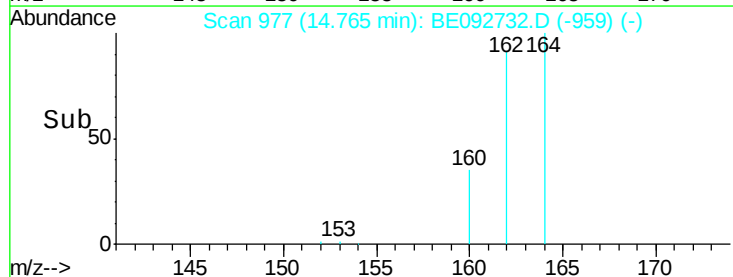
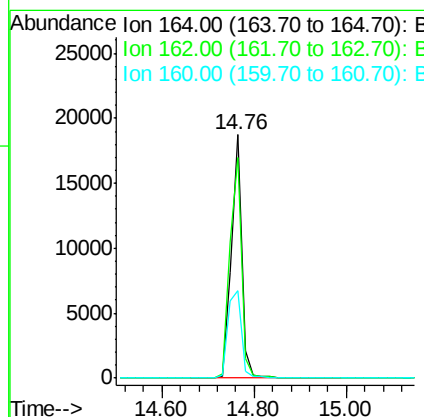
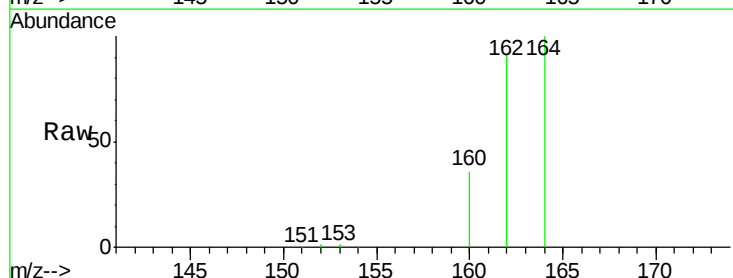
RT: 14.76 min Scan# 977

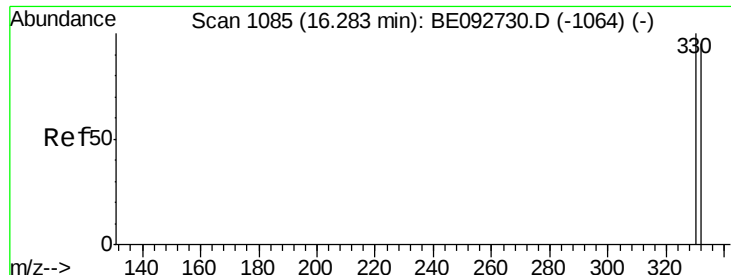
Delta R.T. 0.00 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Tgt Ion:	164	Resp:	29962
Ion Ratio	Lower	Upper	
164	100		
162	90.8	71.4	107.0
160	35.7	27.4	41.2





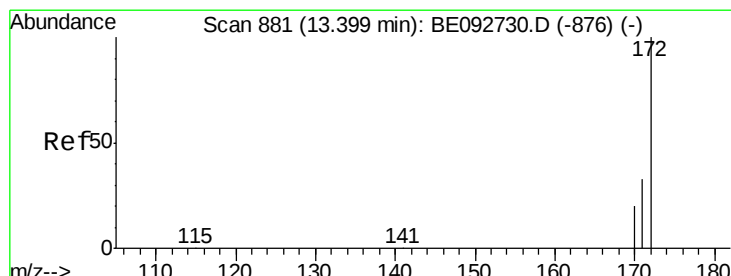
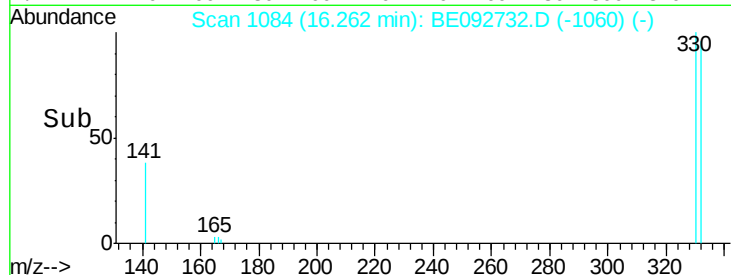
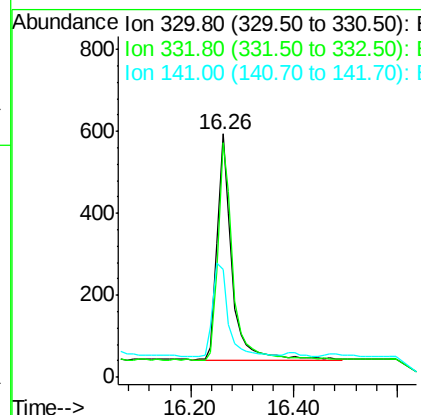
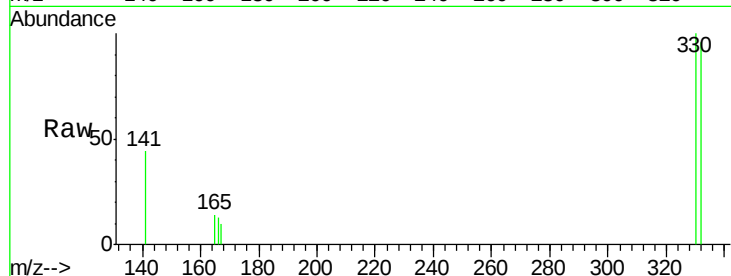
#13
 2,4,6-Tribromophenol
 Concen: 1.45 ng
 RT: 16.26 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: BE092732.D
 Acq: 15 Feb 2017 14:20

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	75.4	113.0
141	43.4	31.0	46.6

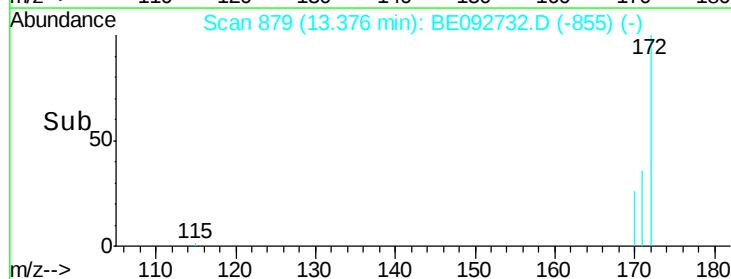
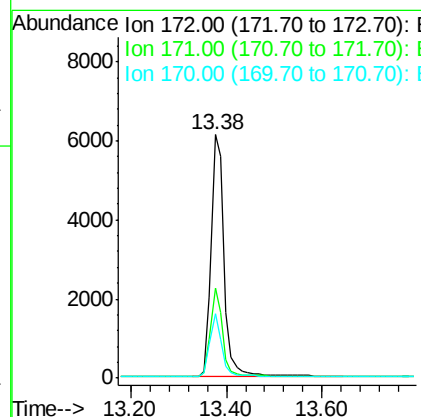
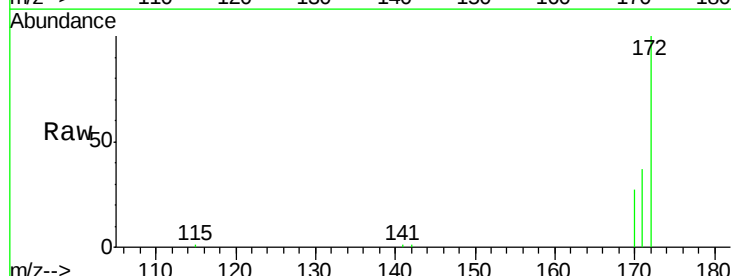
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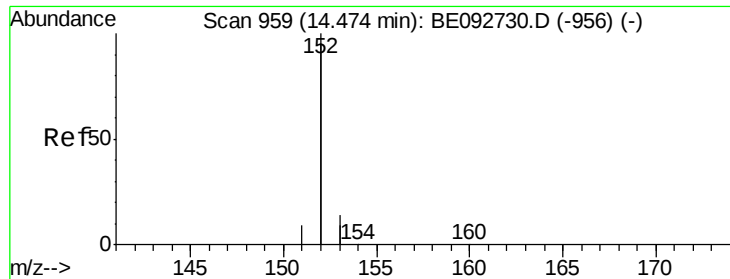
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#14
 2-Fluorobiphenyl
 Concen: 1.58 ng
 RT: 13.38 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BE092732.D
 Acq: 15 Feb 2017 14:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.1	45.1
170	26.6	21.8	32.6





#15

Acenaphthylene

Concen: 1.71 ng

RT: 14.47 min Scan# 960

Delta R.T. 0.00 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Instrument :

BNA_E

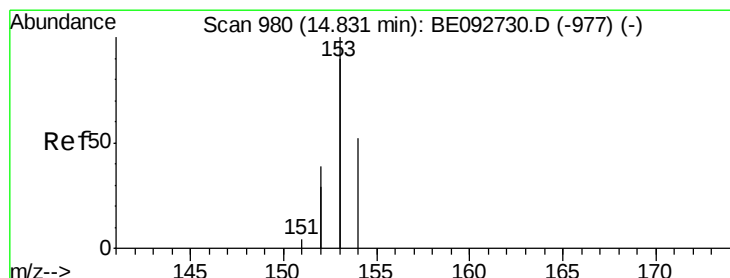
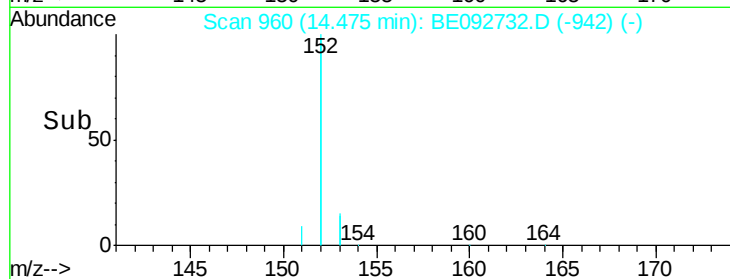
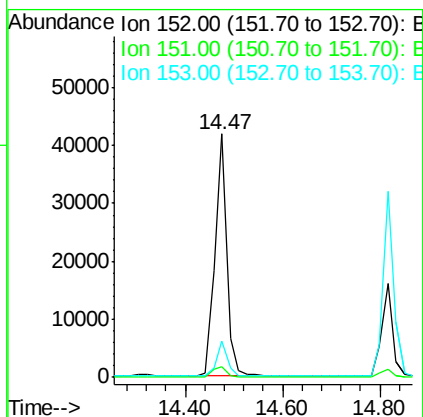
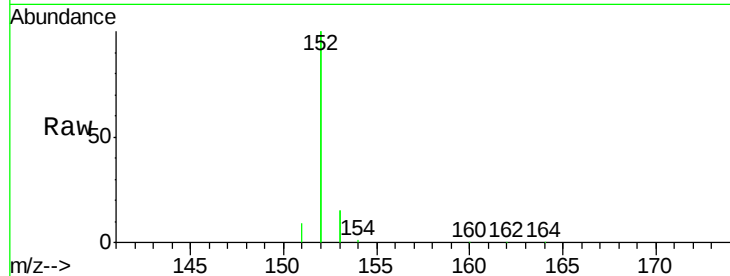
ClientSampleId :

SSTDICC1.6

Tgt Ion:	152	Resp:	70718
Ion Ratio	Lower	Upper	
152	100		
151	5.0	3.9	5.9
153	13.3	10.4	15.6

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#16

Acenaphthene

Concen: 1.59 ng

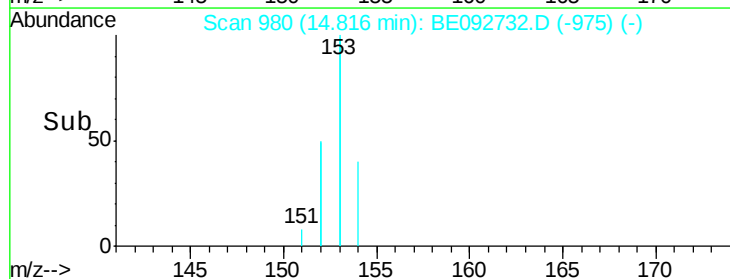
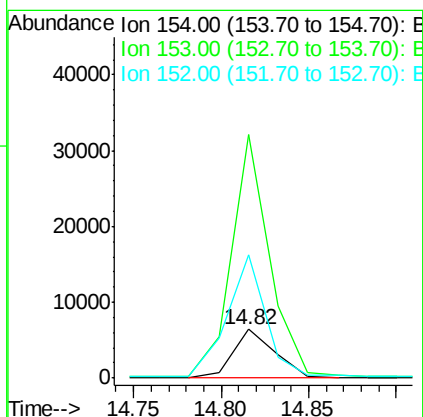
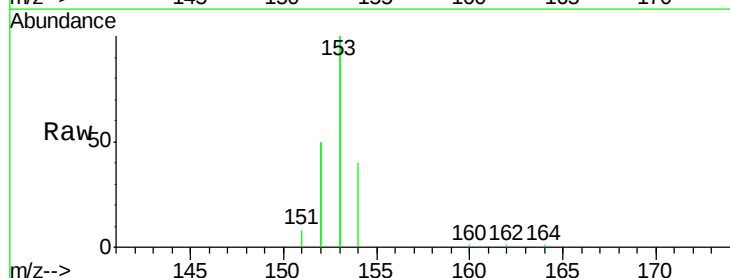
RT: 14.82 min Scan# 980

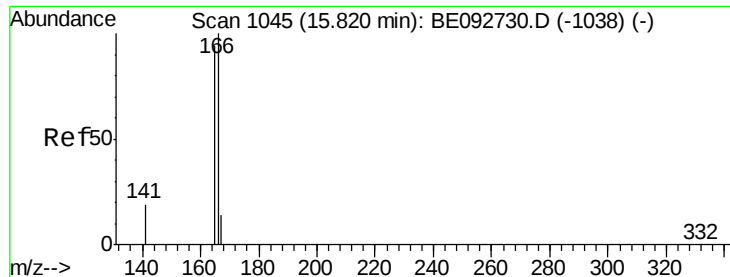
Delta R.T. -0.02 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Tgt Ion:	154	Resp:	10506
Ion Ratio	Lower	Upper	
154	100		
153	459.9	350.8	526.2
152	234.4	171.1	256.7





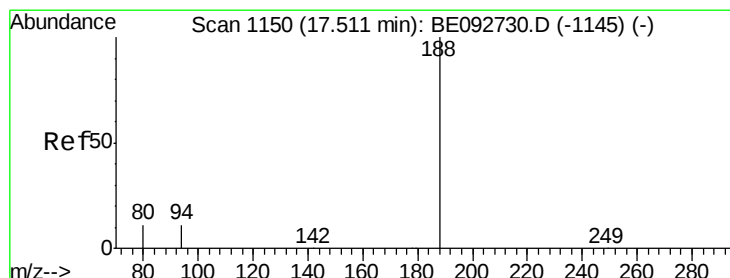
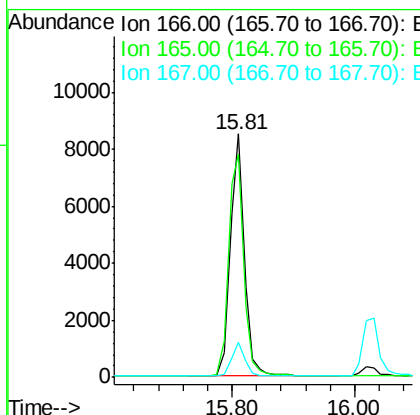
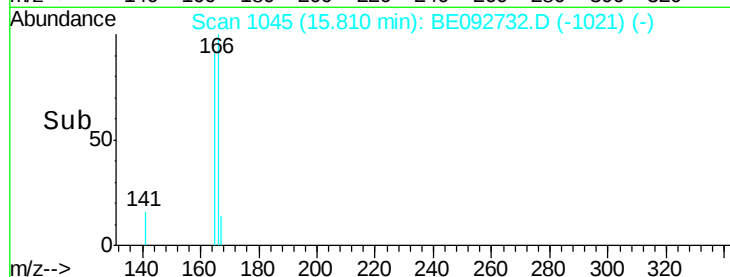
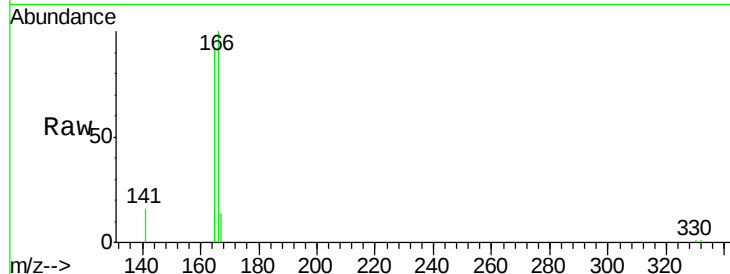
#17
Fluorene
 Concen: 1.62 ng
 RT: 15.81 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BE092732.D
 Acq: 15 Feb 2017 14:20

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.2	117.4
167	13.4	11.0	16.4

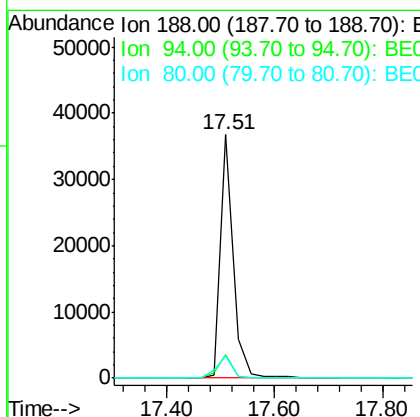
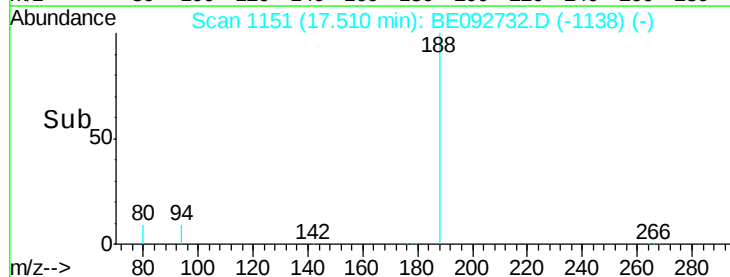
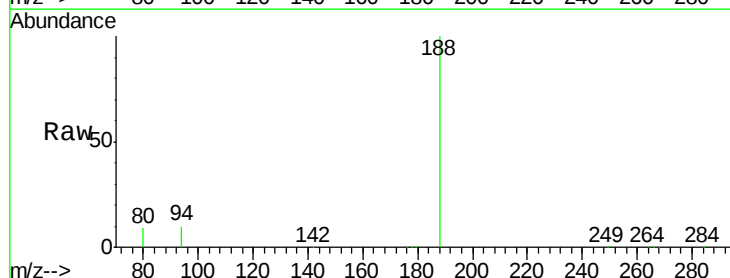
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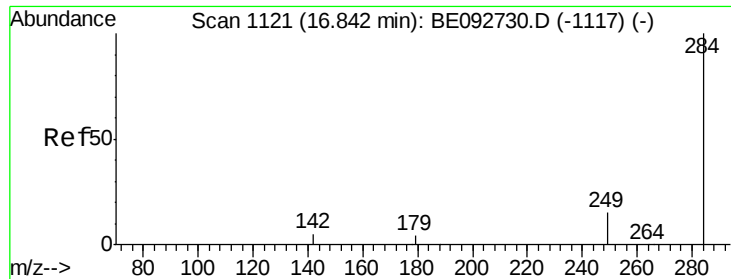
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.51 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: BE092732.D
 Acq: 15 Feb 2017 14:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	3.2	4.8#
80	9.1	2.6	3.8#





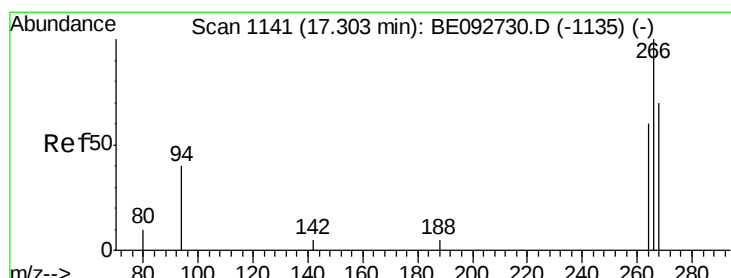
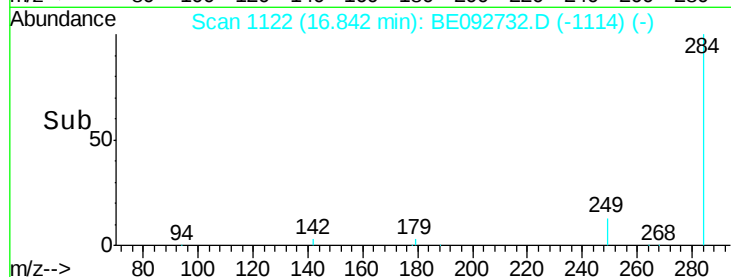
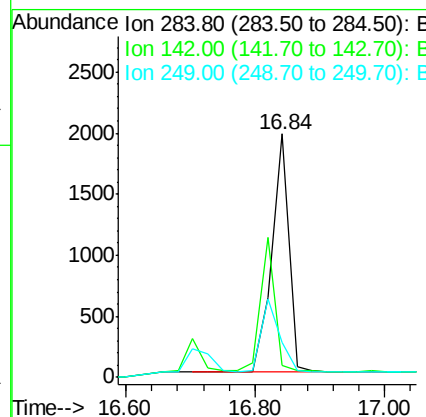
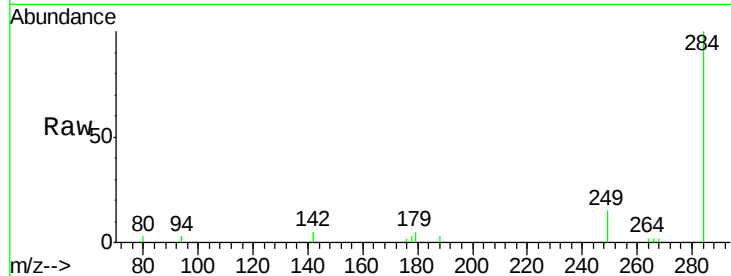
#19
Hexachlorobenzene
Concen: 1.56 ng
RT: 16.84 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	3623		
142	0.0	29.1	43.7#	
249	0.0	27.9	41.9#	

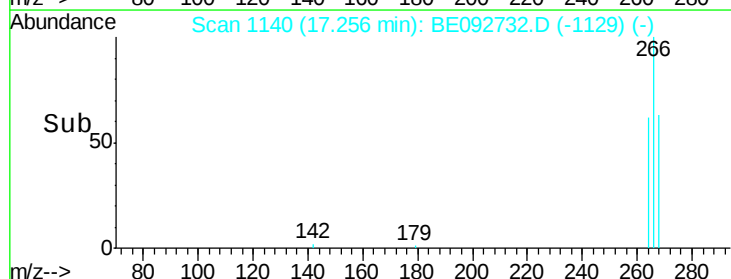
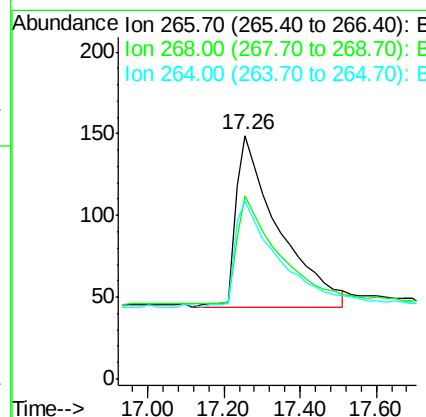
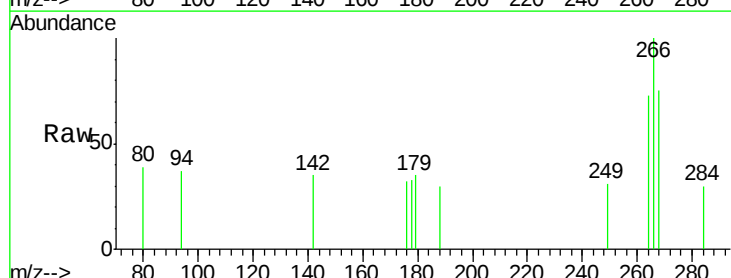
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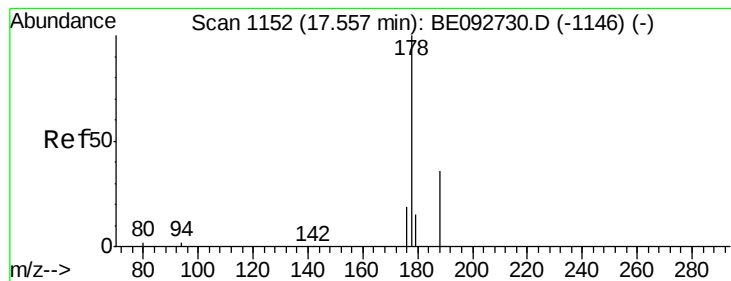
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#20
Pentachlorophenol
Concen: 1.30 ng
RT: 17.26 min Scan# 1140
Delta R.T. -0.05 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	820		
268	75.2	62.5	93.7	
264	73.2	57.2	85.8	





#21

Phenanthrene

Concen: 1.74 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Instrument :

BNA_E

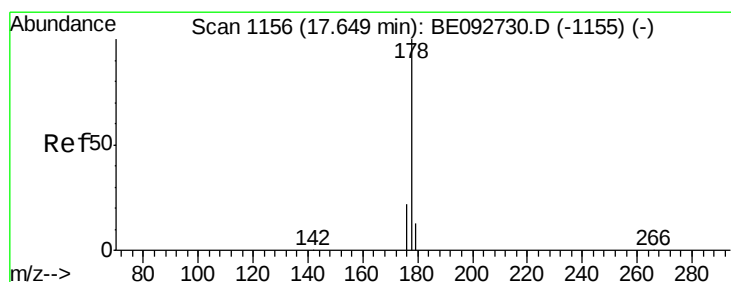
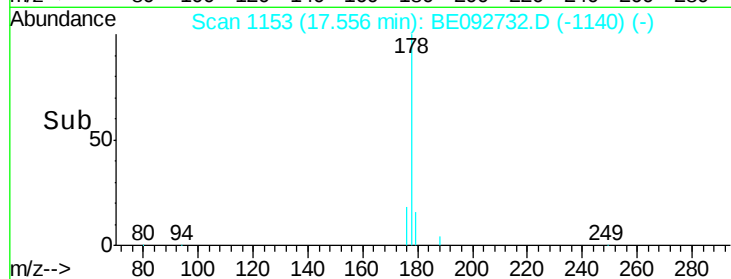
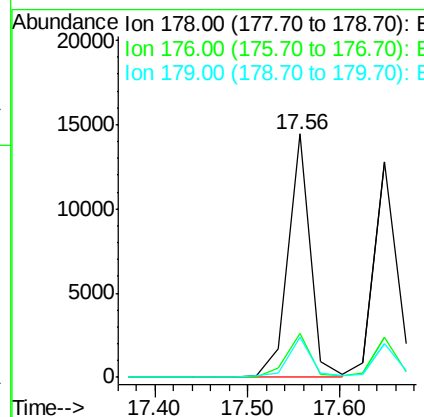
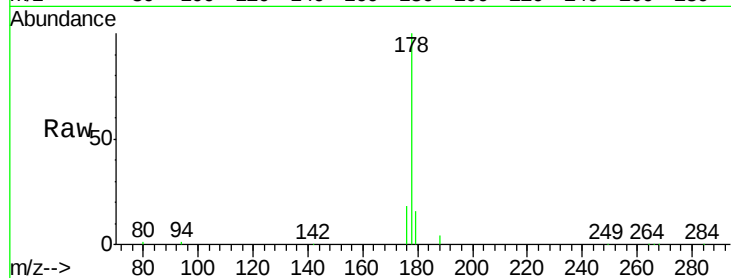
ClientSampleId :

SSTDICC1.6

Tgt Ion:	178	Resp:	23595
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	15.8	16.0	24.0#

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#22

Anthracene

Concen: 1.80 ng

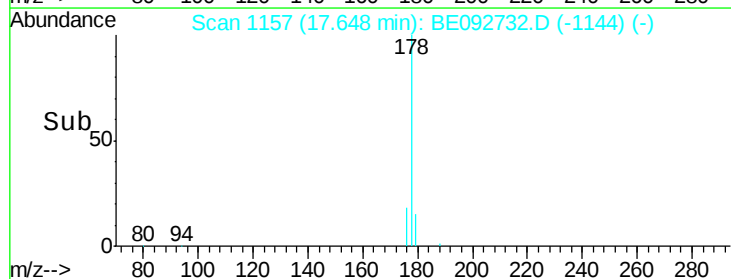
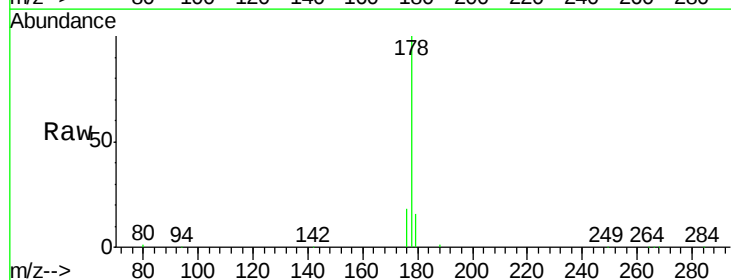
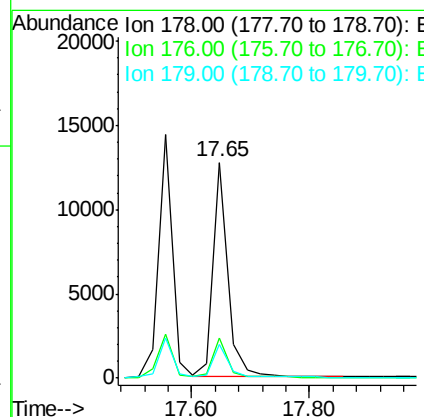
RT: 17.65 min Scan# 1157

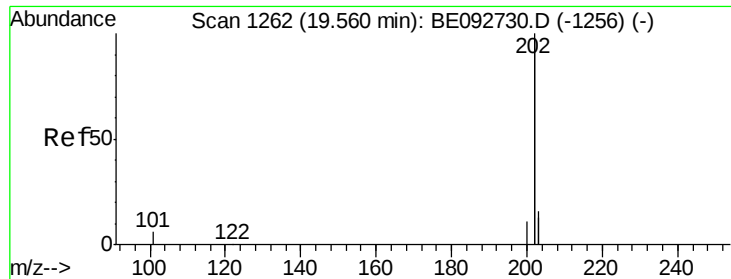
Delta R.T. -0.00 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Tgt Ion:	178	Resp:	22492
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.0	22.4
179	15.7	12.2	18.2





#23

Fluoranthene

Concen: 1.65 ng

RT: 19.56 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Instrument :

BNA_E

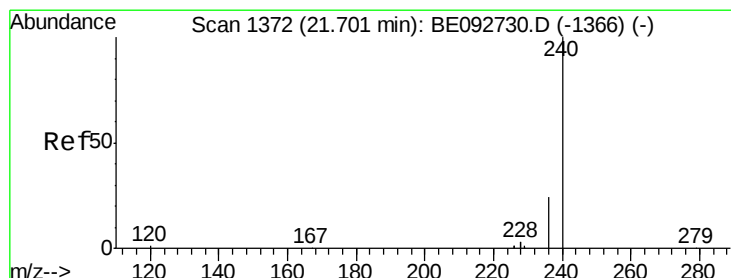
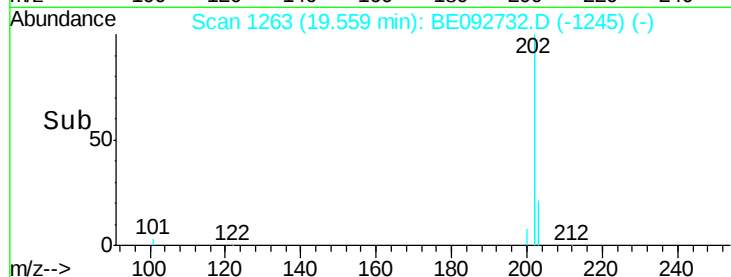
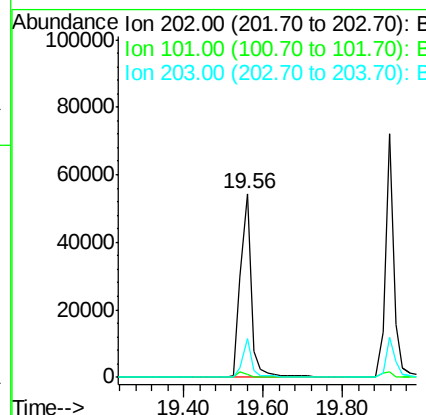
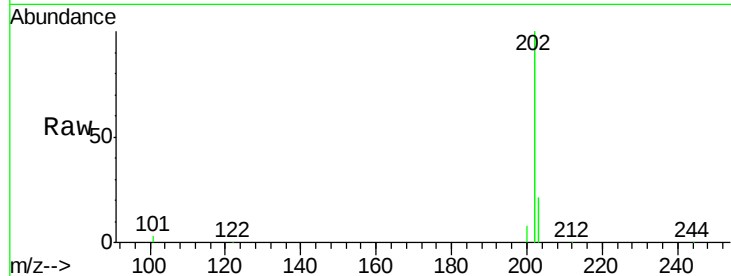
ClientSampleId :

SSTDICC1.6

Tgt Ion:	202	Resp:	99388
Ion Ratio	Lower	Upper	
202	100		
101	2.9	2.2	3.4
203	17.6	13.7	20.5

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#24

Chrysene-d12

Concen: 5.00 ng

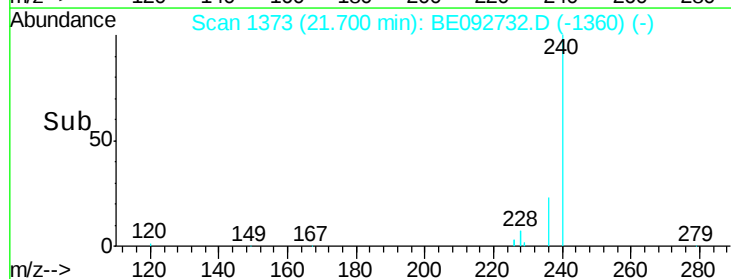
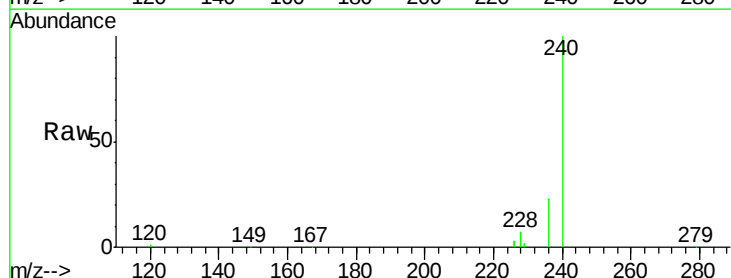
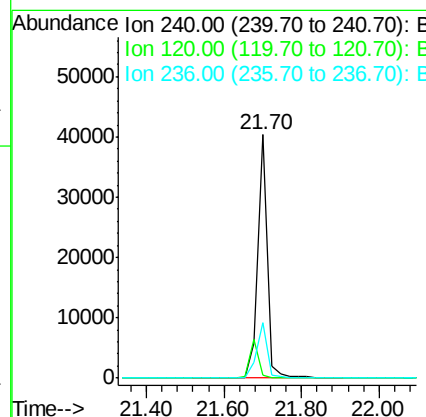
RT: 21.70 min Scan# 1373

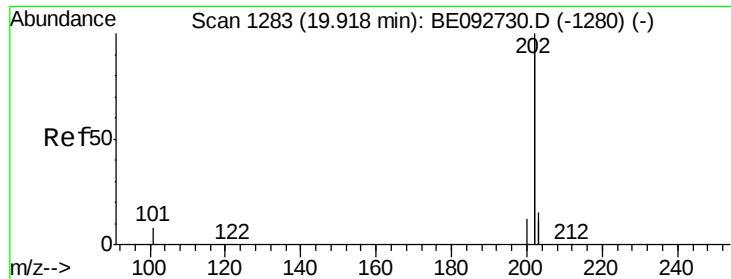
Delta R.T. -0.00 min

Lab File: BE092732.D

Acq: 15 Feb 2017 14:20

Tgt Ion:	240	Resp:	67440
Ion Ratio	Lower	Upper	
240	100		
120	1.0	2.6	4.0#
236	23.0	24.6	37.0#





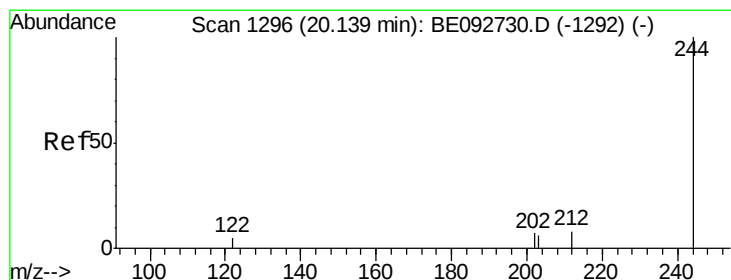
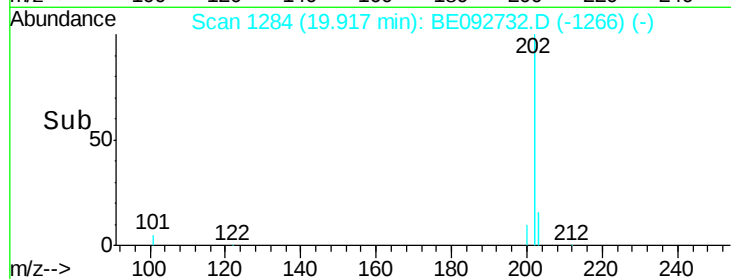
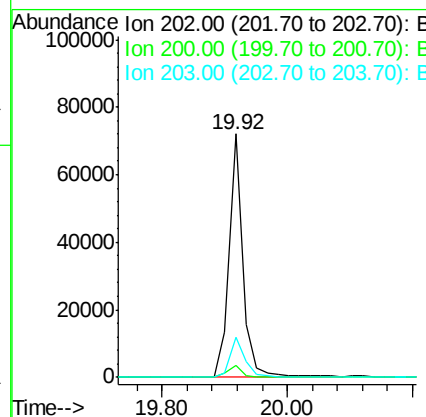
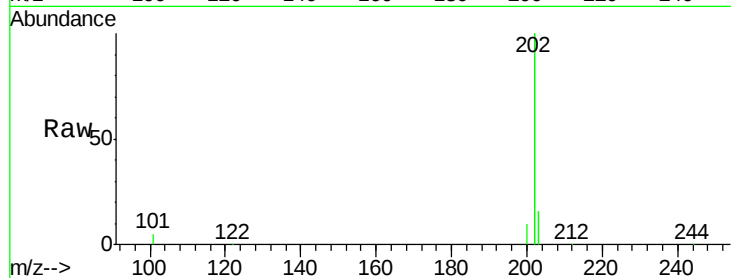
#25
 Pyrene
 Concen: 1.62 ng
 RT: 19.92 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: BE092732.D
 Acq: 15 Feb 2017 14:20

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	5.3	4.2	6.4
203	17.3	13.9	20.9

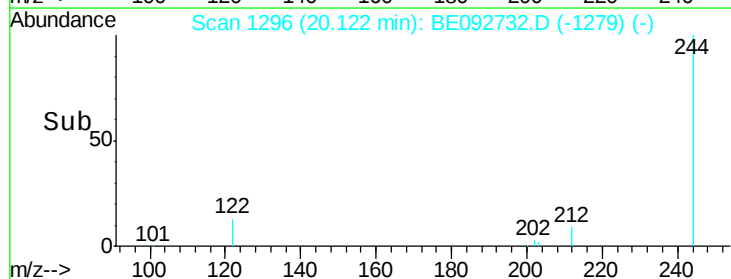
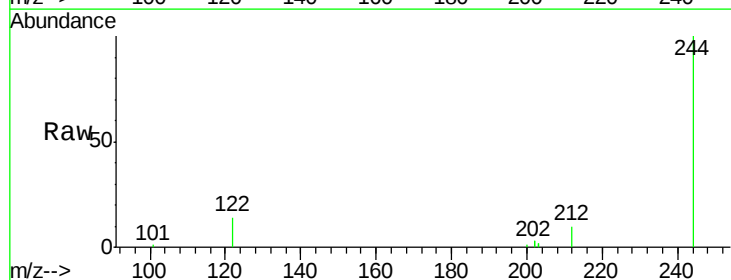
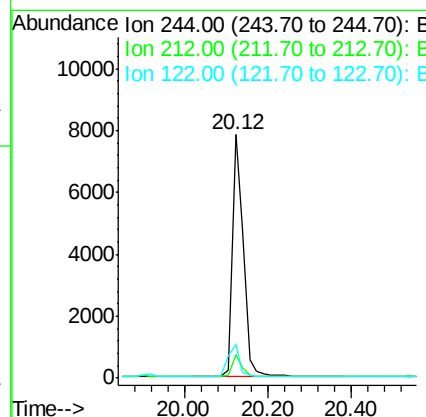
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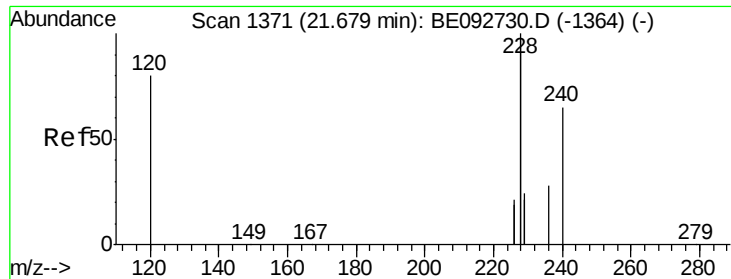
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#26
 Terphenyl-d14
 Concen: 1.50 ng
 RT: 20.12 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BE092732.D
 Acq: 15 Feb 2017 14:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.8	6.7	10.1
122	13.7	3.6	5.4#





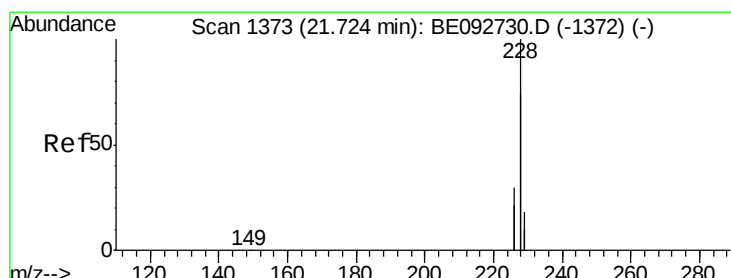
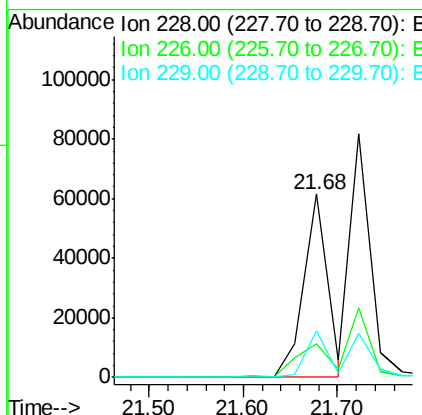
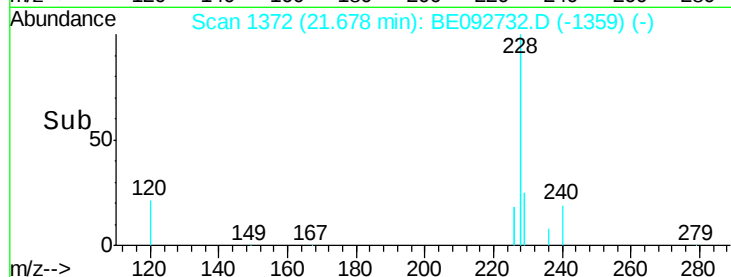
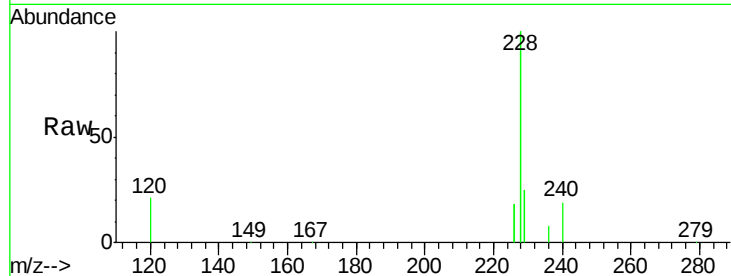
#27
Benzo(a)anthracene
Concen: 1.59 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion: 228 Resp: 105811
Ion Ratio Lower Upper
228 100
226 18.4 23.6 35.4#
229 25.2 13.3 19.9#

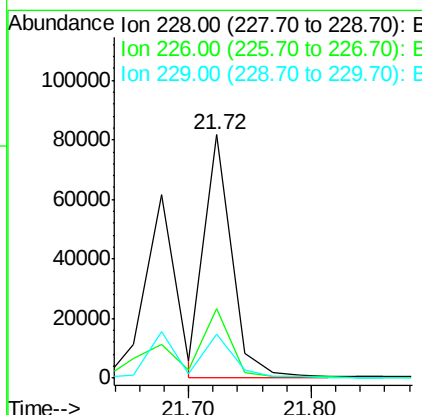
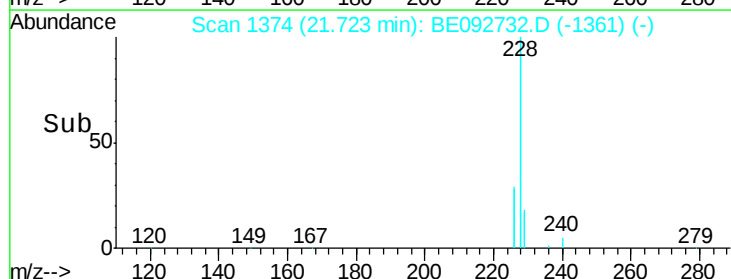
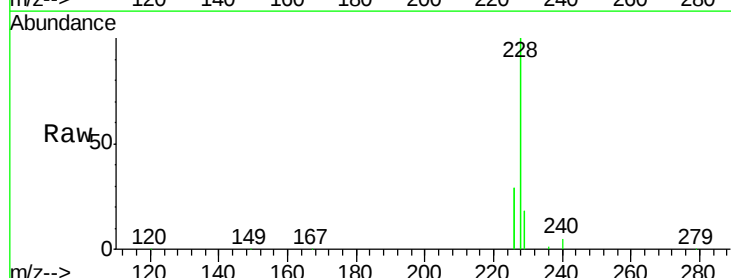
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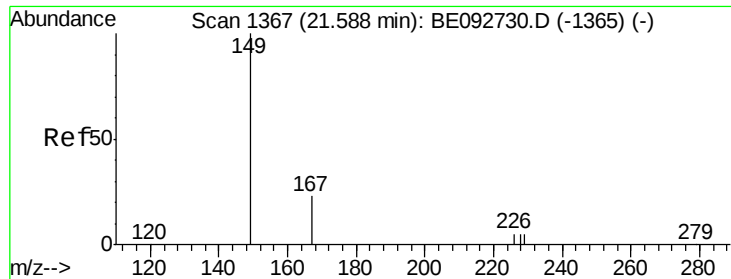
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#28
Chrysene
Concen: 1.69 ng m
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Tgt Ion: 228 Resp: 126204
Ion Ratio Lower Upper
228 100
226 28.7 36.3 54.5#
229 17.8 10.6 16.0#





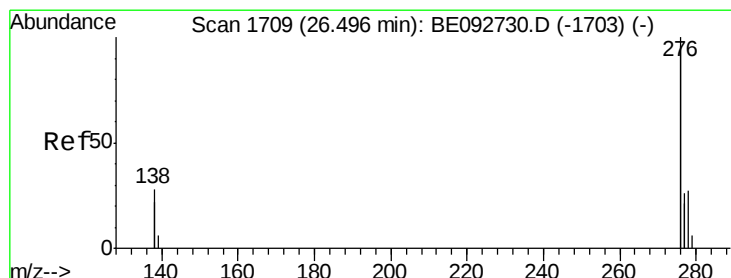
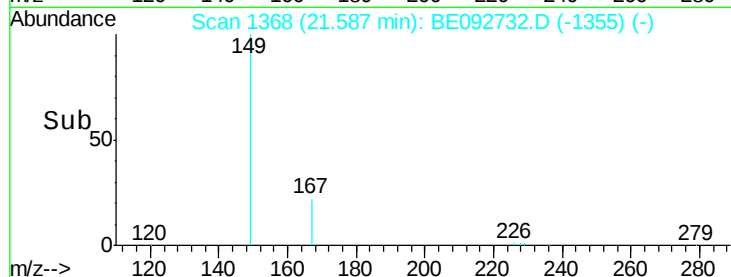
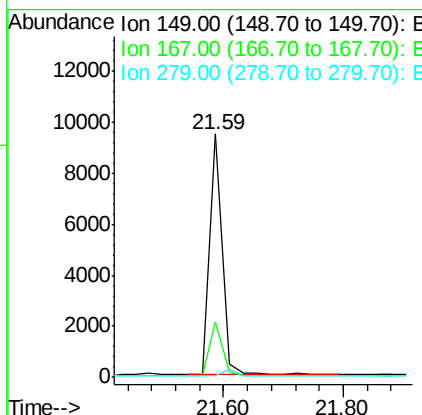
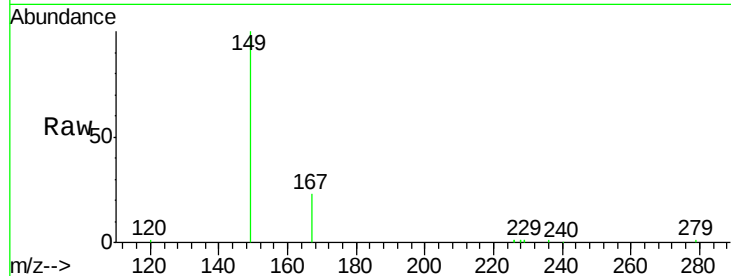
#29
Bis(2-ethylhexyl)phthalate
Concen: 1.11 ng
RT: 21.59 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.9	16.0	24.0
279	0.0	16.0	24.0

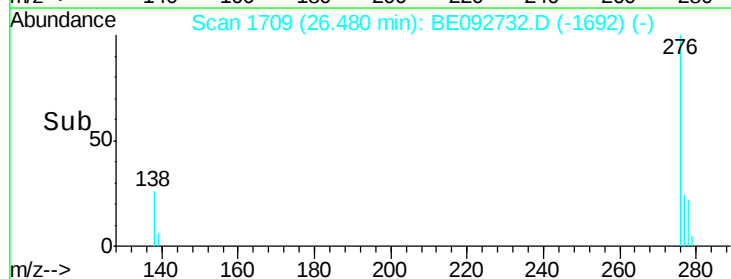
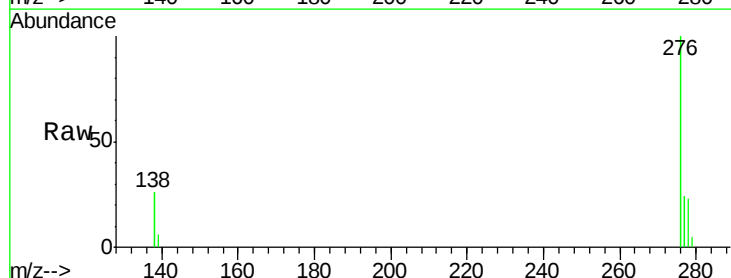
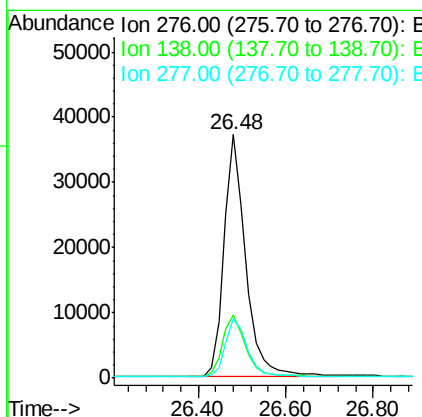
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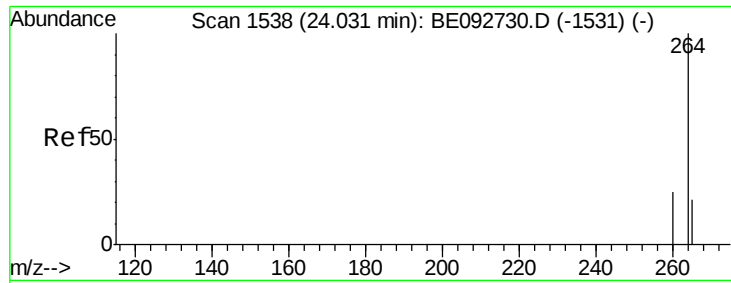
mohammad
2/16/2017 11:47:14 AM



#30
Indeno(1,2,3-cd)pyrene
Concen: 1.59 ng
RT: 26.48 min Scan# 1709
Delta R.T. -0.02 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.7	20.3	30.5
277	24.6	19.7	29.5





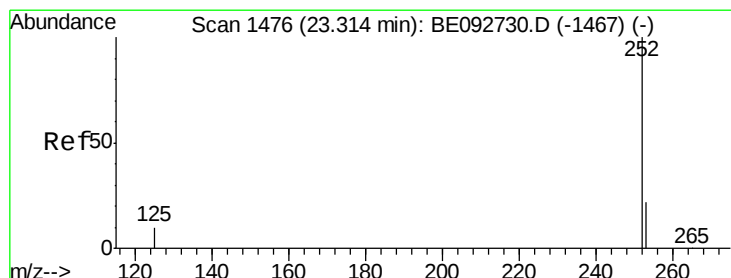
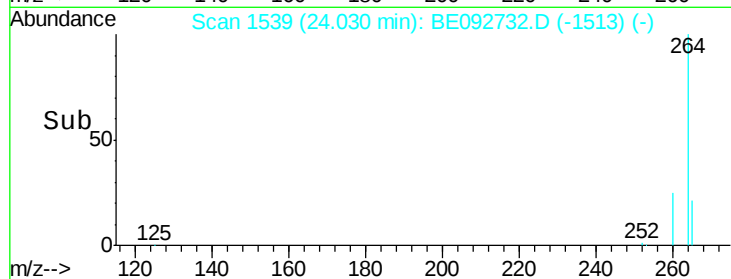
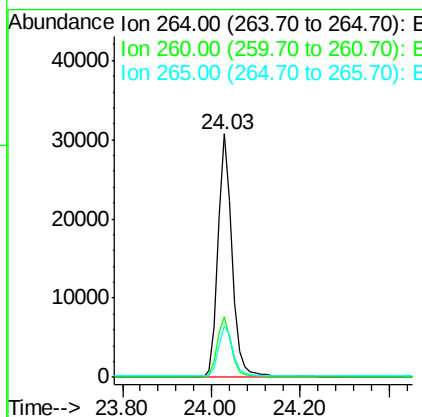
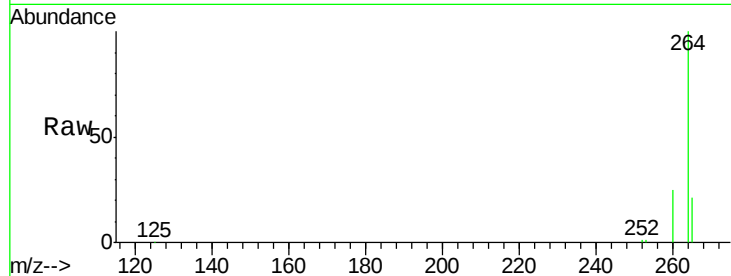
#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.03 min Scan# 1539
 Delta R.T. -0.00 min
 Lab File: BE092732.D
 Acq: 15 Feb 2017 14:20

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.1	30.1
265	21.4	17.9	26.9

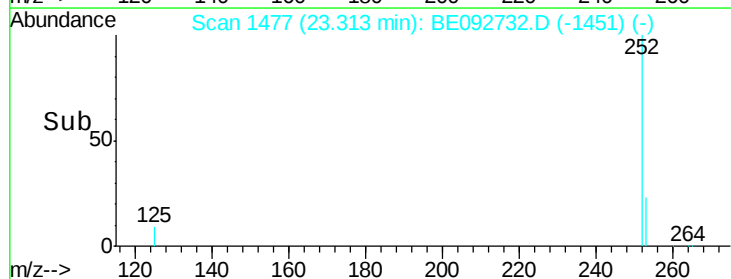
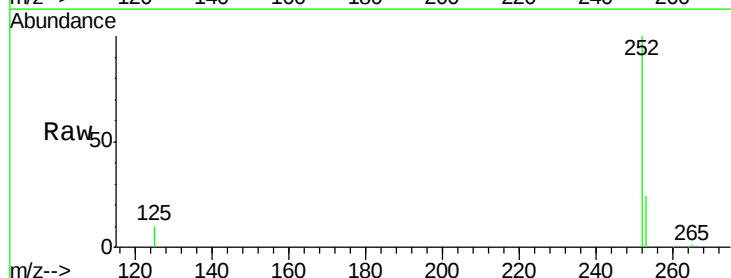
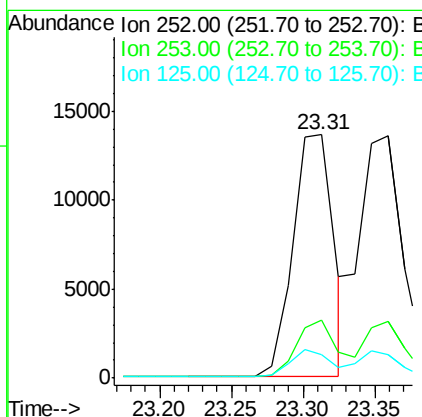
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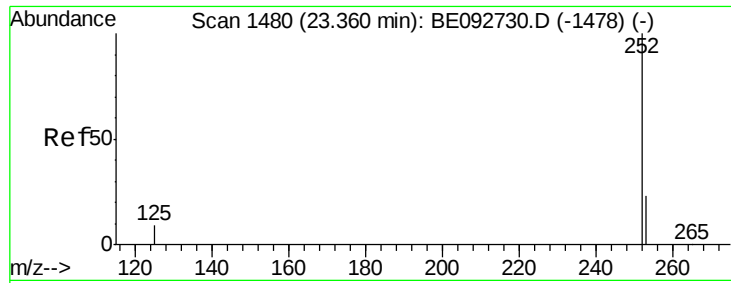
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#32
 Benzo(b)fluoranthene
 Concen: 1.63 ng
 RT: 23.31 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: BE092732.D
 Acq: 15 Feb 2017 14:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.7	28.1
125	9.8	10.5	15.7#





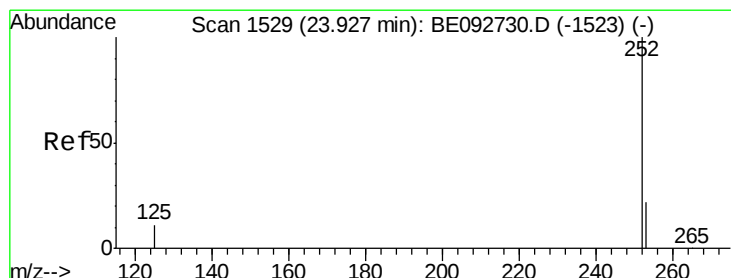
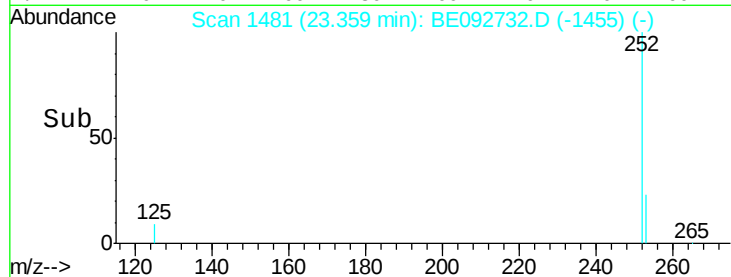
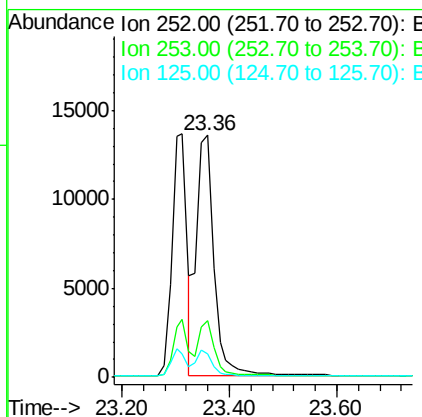
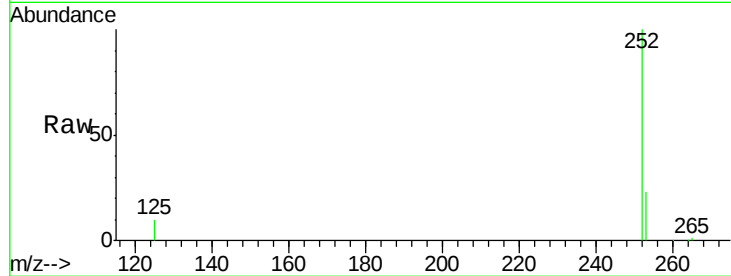
#33
Benzo(k)fluoranthene
Concen: 1.82 ng
RT: 23.36 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.3	30.5
125	9.9	9.6	14.4

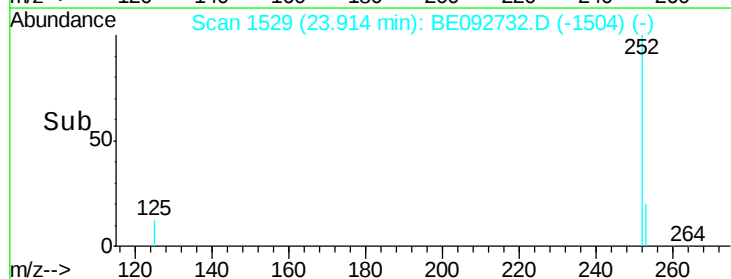
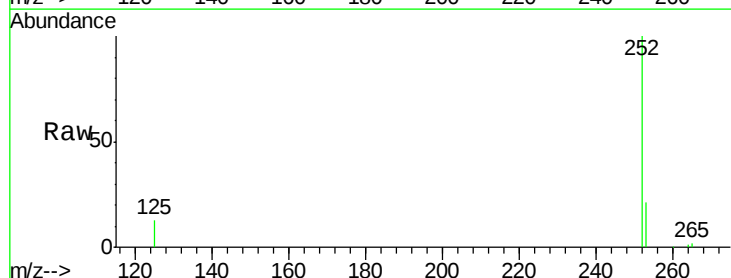
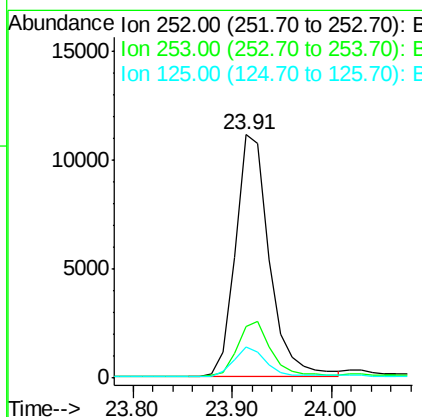
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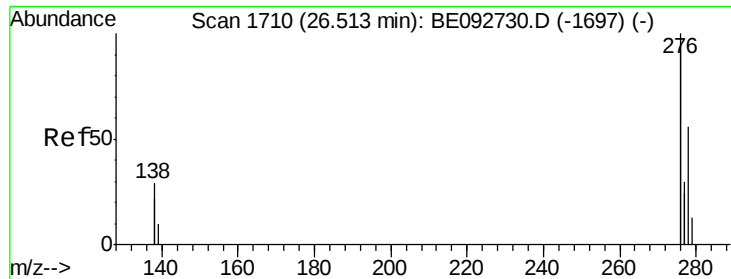
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#34
Benzo(a)pyrene
Concen: 1.69 ng
RT: 23.91 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	19.0	28.6
125	12.7	11.8	17.8





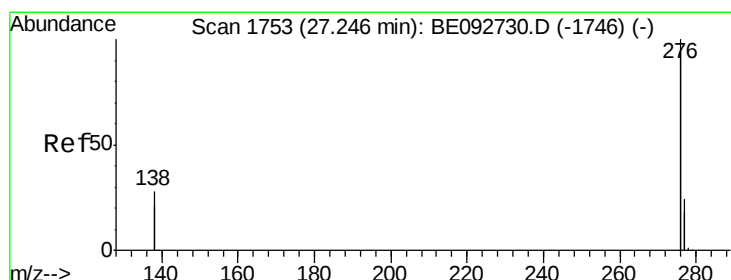
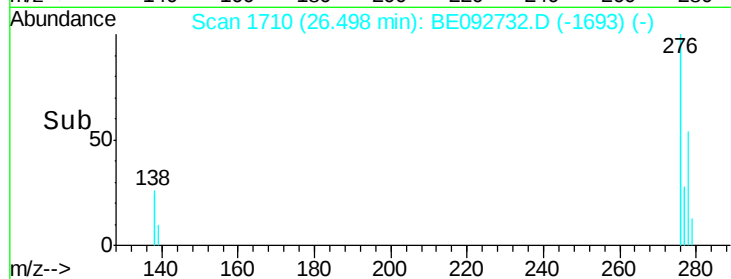
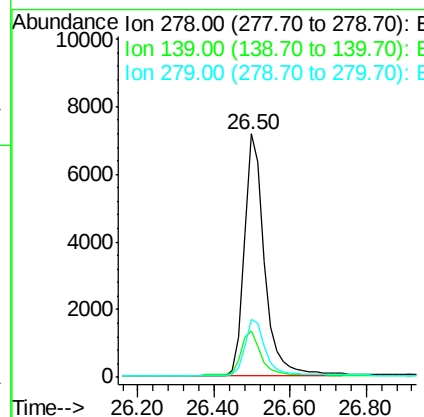
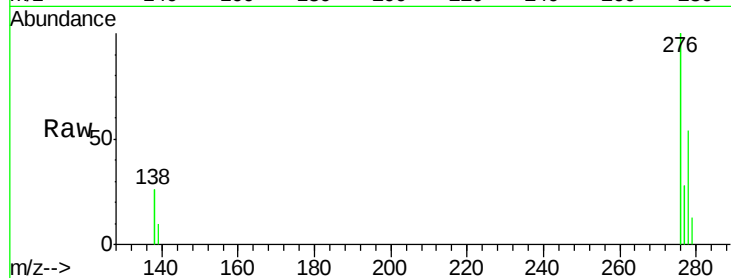
#35
Dibenzo(a,h)anthracene
Concen: 1.77 ng
RT: 26.50 min Scan# 1710
Delta R.T. -0.02 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.8	13.8	20.8
279	24.1	21.4	32.2

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#36
Benzo(g,h,i)perylene
Concen: 1.76 ng
RT: 27.25 min Scan# 1754
Delta R.T. 0.00 min
Lab File: BE092732.D
Acq: 15 Feb 2017 14:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.8
138	22.1	19.8	29.6

