

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021517\
 Data File : BE092731.D
 Acq On : 15 Feb 2017 13:44
 Operator : SJ/MA
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Manual Integrations
 APPROVED

mohammad
 2/16/2017 11:44:34 AM

Quant Time: Feb 15 14:49:04 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	9209	5.00	ng	0.00
7) Naphthalene-d8	10.89	136	43161	5.00	ng	0.00
12) Acenaphthene-d10	14.76	164	27068	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	57776	5.00	ng	0.00
24) Chrysene-d12	21.70	240	69962	5.00	ng	0.00
31) Perylene-d12	24.03	264	64784	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.62	112	1414	0.69	ng	-0.01
5) Phenol-d6	7.29	99	1811	0.72	ng	-0.02
8) Nitrobenzene-d5	9.29	82	2003	0.71	ng	-0.02
13) 2,4,6-Tribromophenol	16.27	330	438	0.64	ng	-0.01
14) 2-Fluorobiphenyl	13.39	172	5368	0.81	ng	-0.01
26) Terphenyl-d14	20.14	244	6529	0.66	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.34	88	968	0.68	ng	93
3) n-Nitrosodimethylamine	3.71	42	1037	0.62	ng	99
6) bis(2-Chloroethyl)ether	7.54	93	1971	0.74	ng	# 28
9) Naphthalene	10.93	128	7505	0.83	ng	97
10) Hexachlorobutadiene	11.22	225	1113	0.84	ng	100
11) 2-Methylnaphthalene	12.58	142	4693	0.84	ng	94
15) Acenaphthylene	14.47	152	32741	0.88	ng	100
16) Acenaphthene	14.81	154	4909	0.82	ng	91
17) Fluorene	15.81	166	6206	0.83	ng	99
19) Hexachlorobenzene	16.84	284	1797	0.82	ng	# 39
20) Pentachlorophenol	17.28	266	333	0.56	ng	93
21) Phenanthrene	17.56	178	10930	0.86	ng	# 94
22) Anthracene	17.65	178	10510	0.89	ng	100
23) Fluoranthene	19.56	202	46208	0.82	ng	99
25) Pyrene	19.92	202	50201	0.73	ng	100
27) Benzo(a)anthracene	21.68	228	51317	0.74	ng	# 83
28) Chrysene	21.72	228	61612m	0.79	ng	
29) Bis(2-ethylhexyl)phthalate	21.59	149	5508	0.43	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.50	276	61759	0.74	ng	97
32) Benzo(b)fluoranthene	23.31	252	13598	0.87	ng	97
33) Benzo(k)fluoranthene	23.36	252	14127	0.90	ng	95
34) Benzo(a)pyrene	23.93	252	12356	0.84	ng	97
35) Dibenzo(a,h)anthracene	26.51	278	12936	0.90	ng	98
36) Benzo(g,h,i)perylene	27.25	276	55014	0.90	ng	99

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

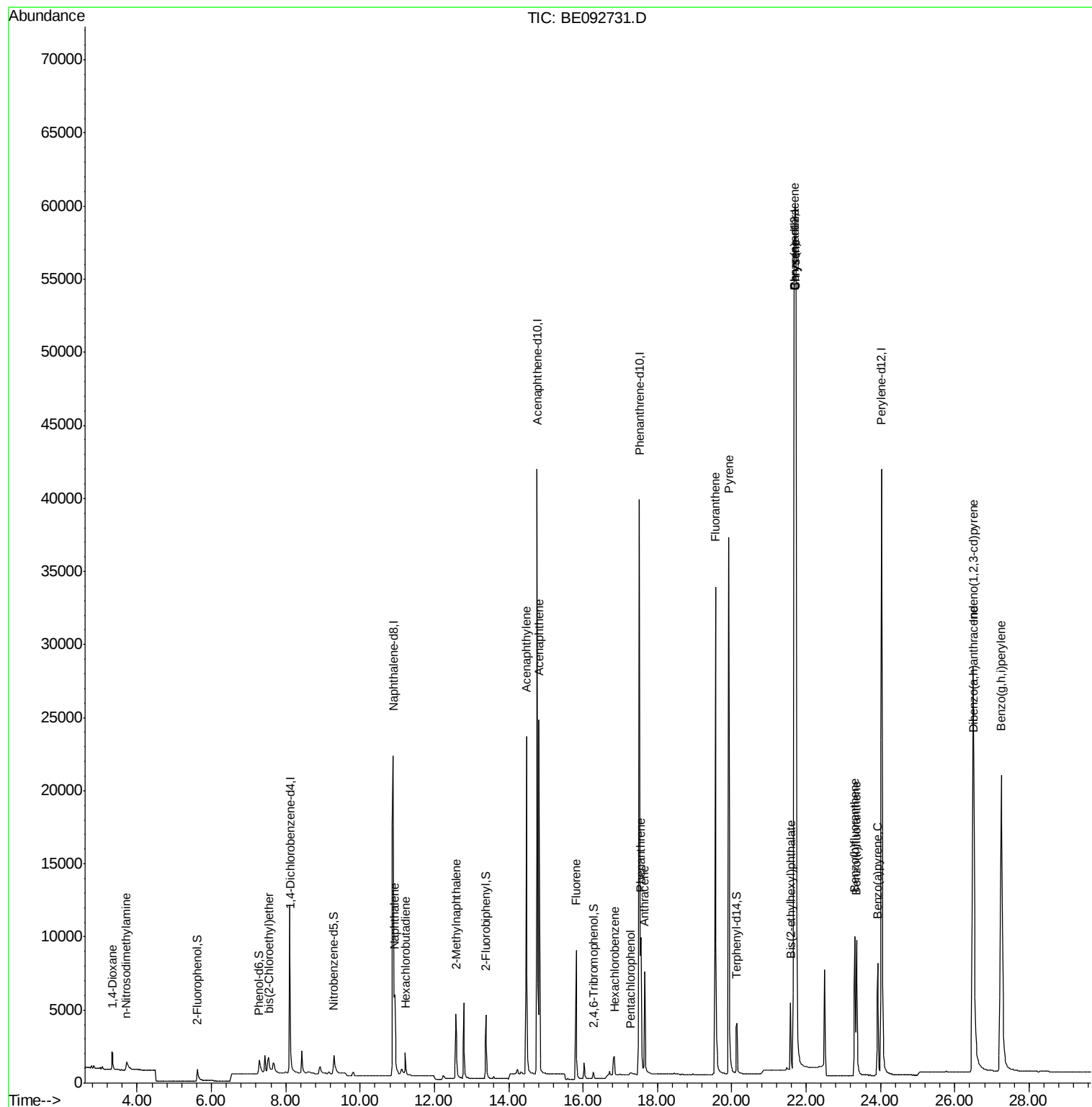
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021517\
Data File : BE092731.D
Acq On : 15 Feb 2017 13:44
Operator : SJ/MA
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

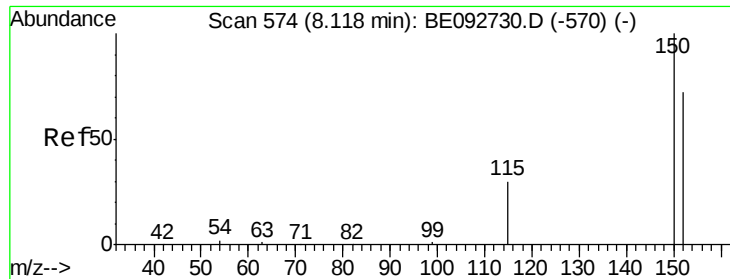
Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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2/16/2017 11:44:34 AM

Quant Time: Feb 15 14:49:04 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
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#1

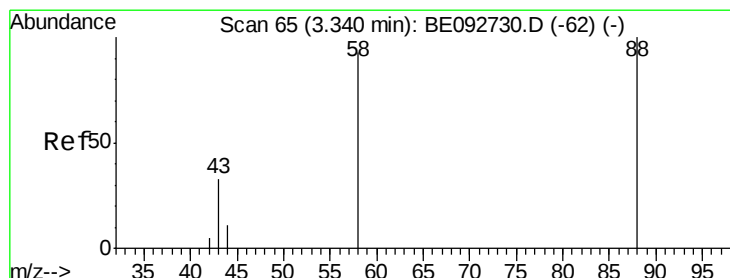
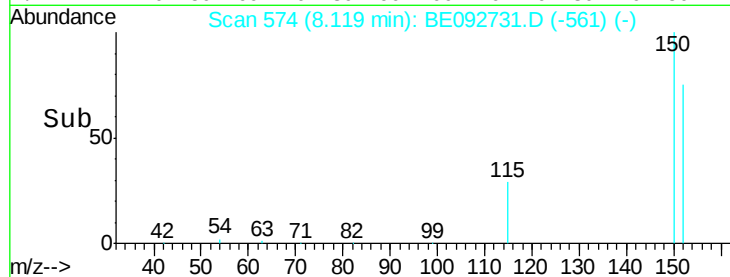
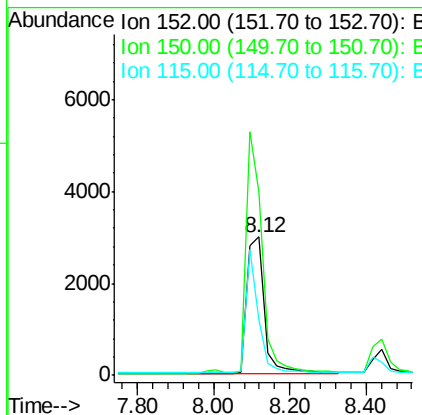
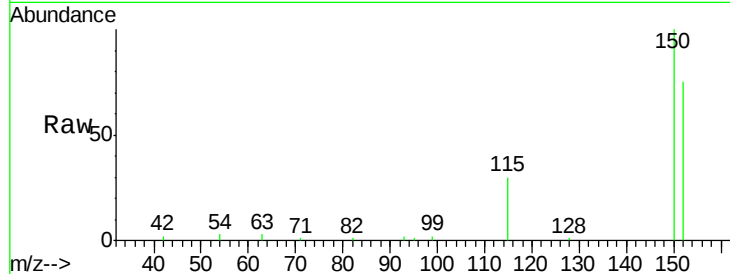
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.12 min Scan# 574
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
152	100		
150	133.1	106.0	159.0
115	39.7	31.2	46.8

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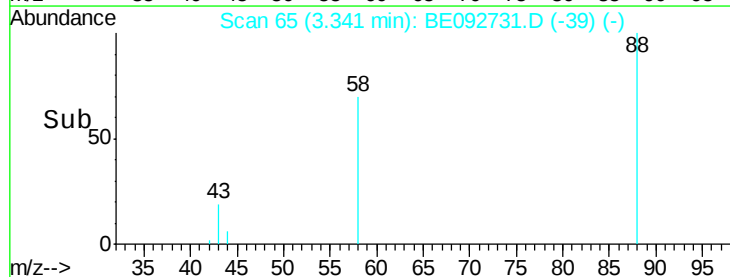
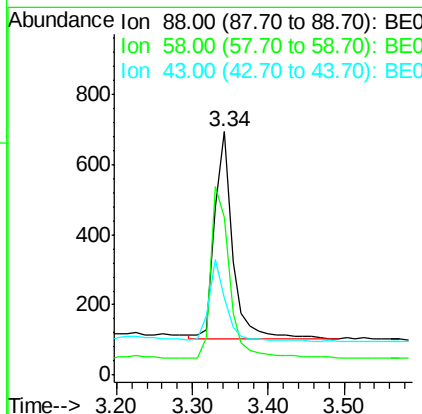
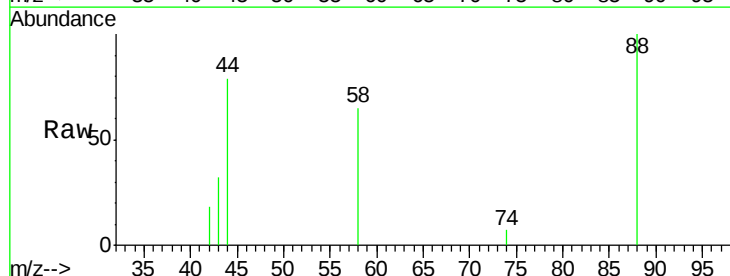
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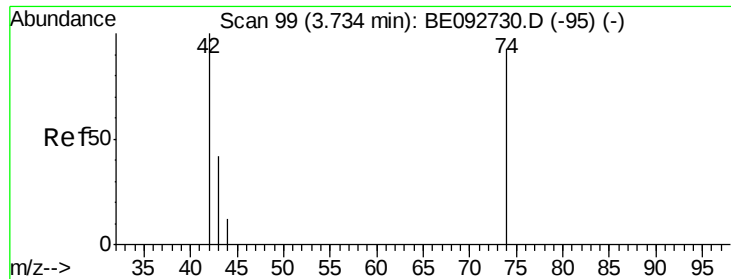


#2

1,4-Dioxane
Concen: 0.68 ng
RT: 3.34 min Scan# 65
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.3	63.6	95.4
43	38.7	28.0	42.0





#3

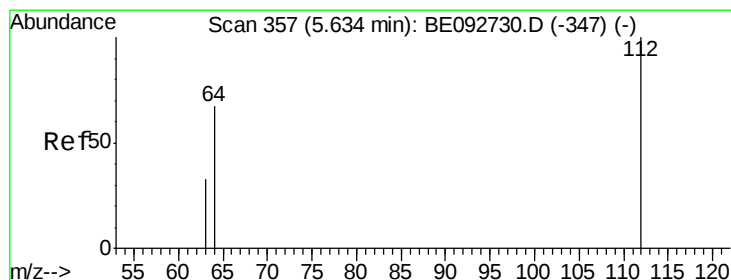
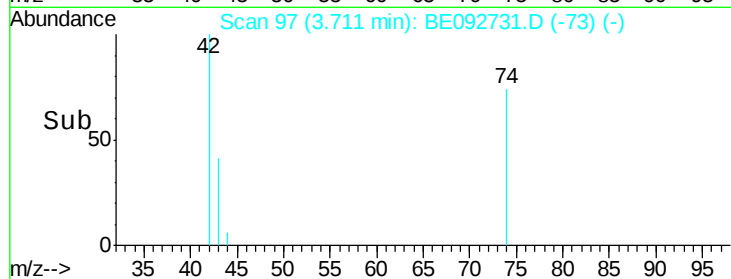
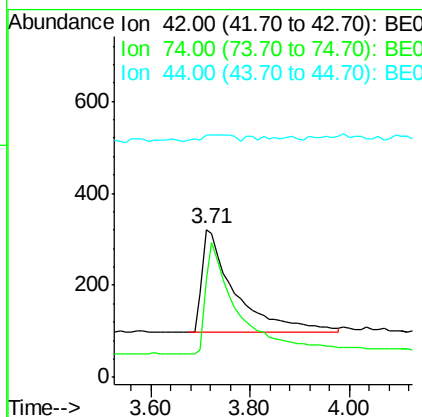
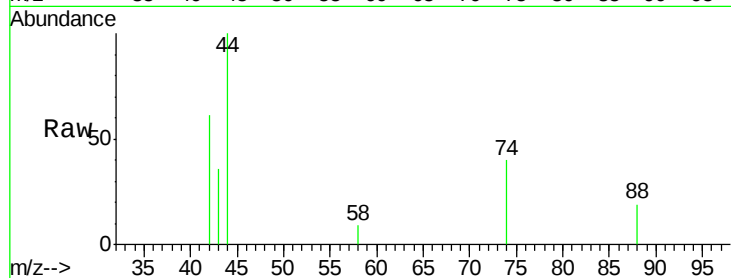
n-Nitrosodimethylamine
Concen: 0.62 ng
RT: 3.71 min Scan# 97
Delta R.T. -0.02 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion: 42 Resp: 1037
Ion Ratio Lower Upper
42 100
74 106.0 86.0 129.0
44 6.4 5.1 7.7

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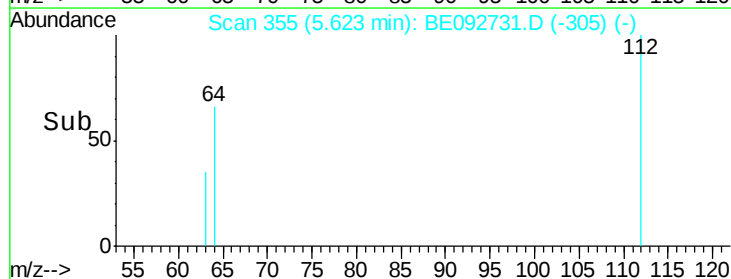
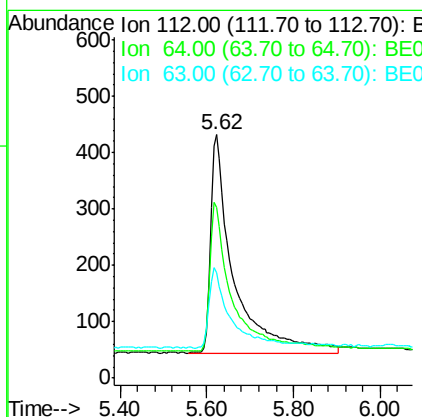
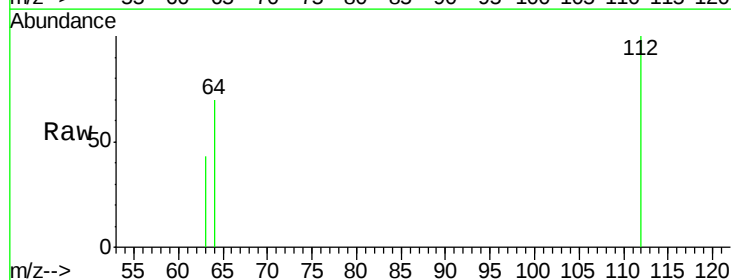
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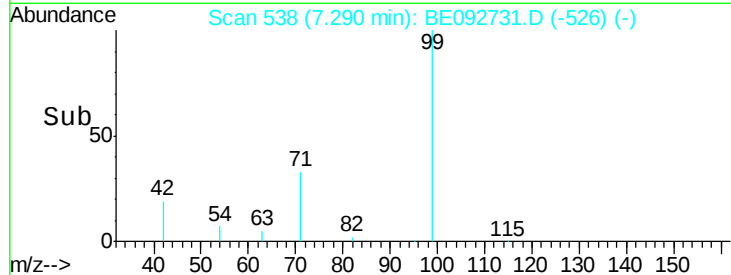
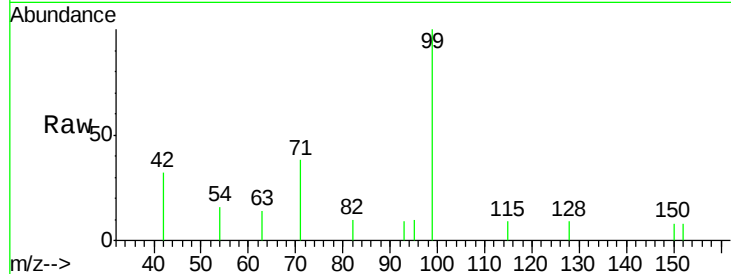
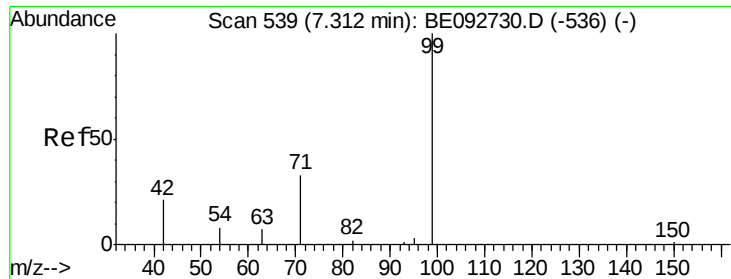


#4

2-Fluorophenol
Concen: 0.69 ng
RT: 5.62 min Scan# 355
Delta R.T. -0.01 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Tgt Ion: 112 Resp: 1414
Ion Ratio Lower Upper
112 100
64 63.5 53.5 80.3
63 34.0 27.9 41.9





#5

Phenol-d6

Concen: 0.72 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.02 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Tgt Ion:	99	Resp:	1811
Ion	Ratio	Lower	Upper
99	100		
42	24.2	16.0	24.0#
71	35.3	30.6	45.8

Instrument :

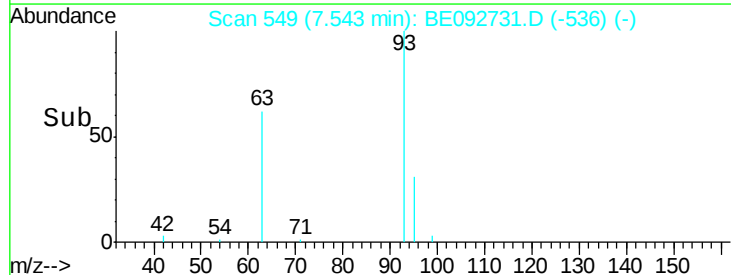
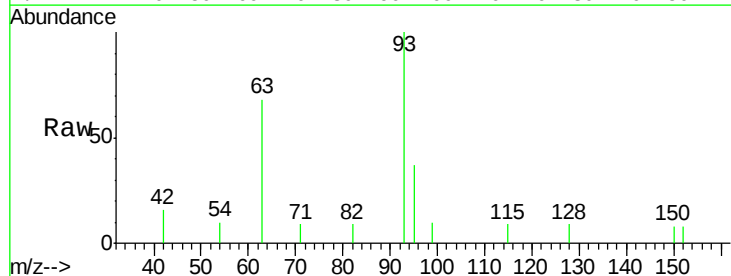
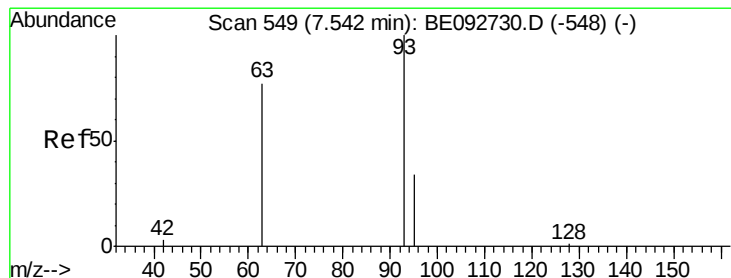
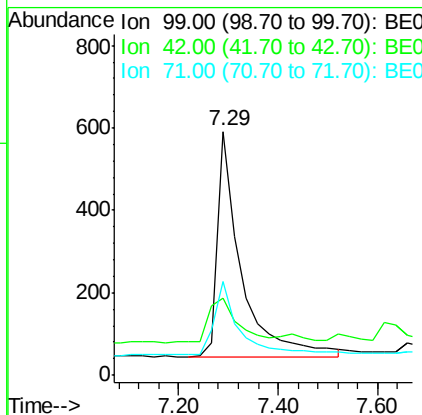
BNA_E

ClientSampleId :

SSTDIC0.8

Manual Integrations
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#6

bis(2-Chloroethyl)ether

Concen: 0.74 ng

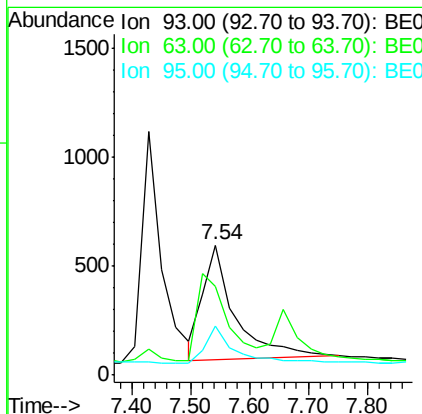
RT: 7.54 min Scan# 549

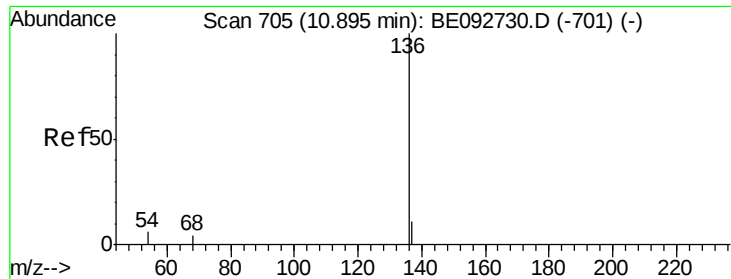
Delta R.T. 0.00 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Tgt Ion:	93	Resp:	1971
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: 10.89 min Scan# 705

Delta R.T. -0.00 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Instrument :

BNA_E

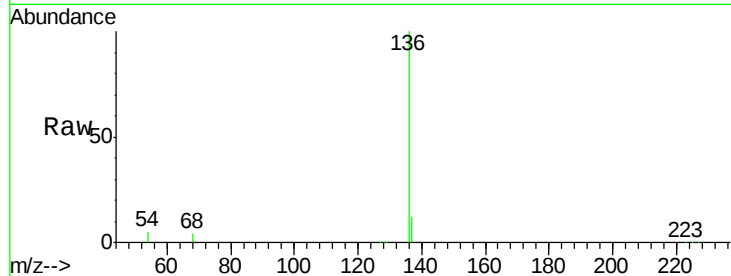
ClientSampled :

SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.2	12.4
54	5.5	9.6	14.4#
68	4.2	6.7	10.1#

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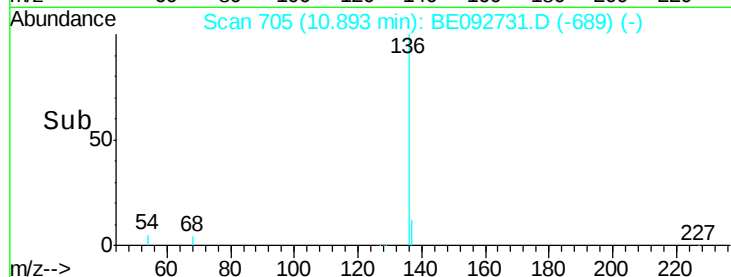
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

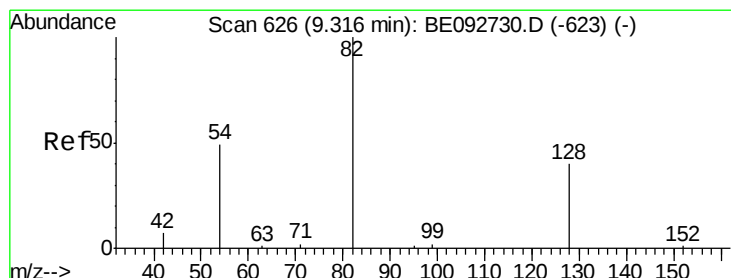
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 0.71 ng

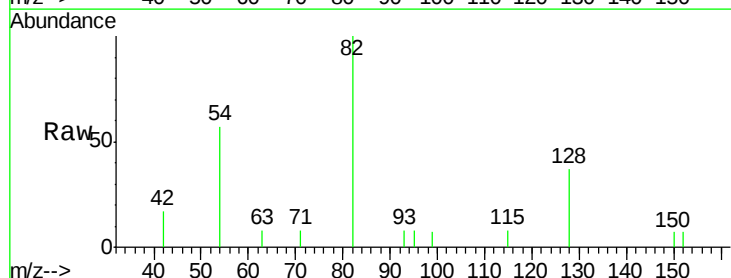
RT: 9.29 min Scan# 625

Delta R.T. -0.02 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.1	39.0	58.4#
54	57.5	44.8	67.2

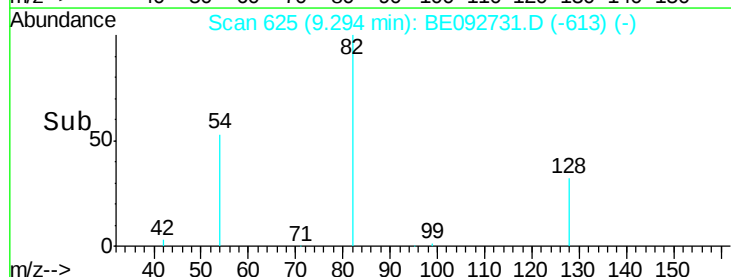


Abundance Ion 82.00 (81.70 to 82.70): BE0

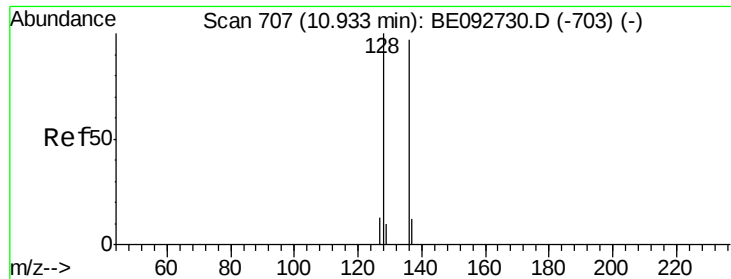
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 0.83 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Instrument :

BNA_E

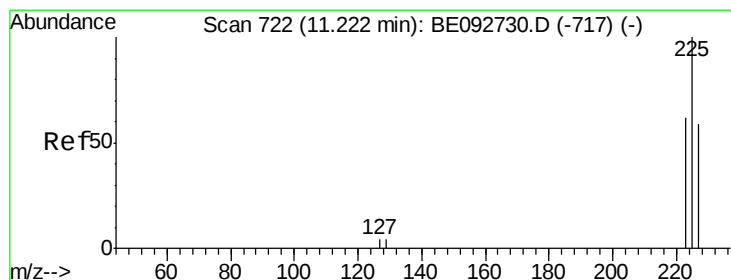
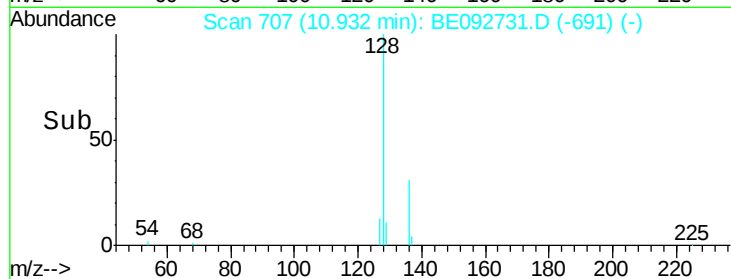
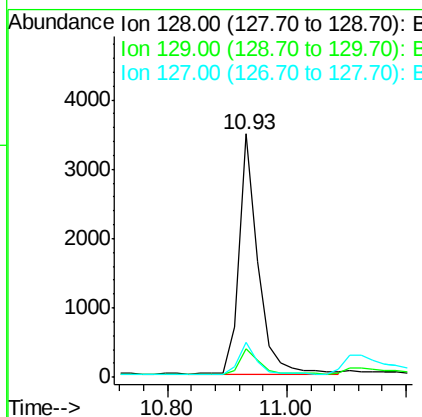
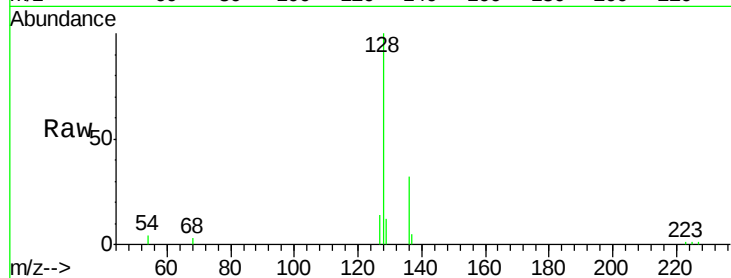
ClientSampleId :

SSTDICC0.8

Tgt Ion:	128	Resp:	7505
Ion Ratio	Lower	Upper	
128	100		
129	11.9	11.2	16.8
127	14.3	11.6	17.4

Manual Integrations
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#10

Hexachlorobutadiene

Concen: 0.84 ng

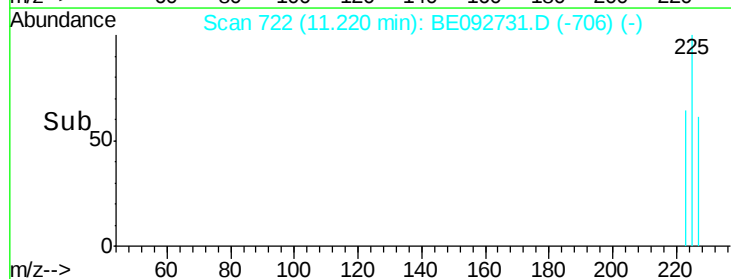
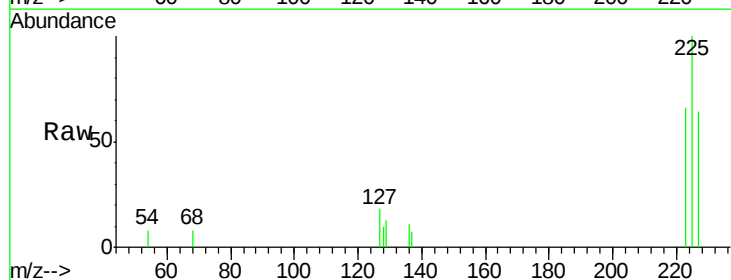
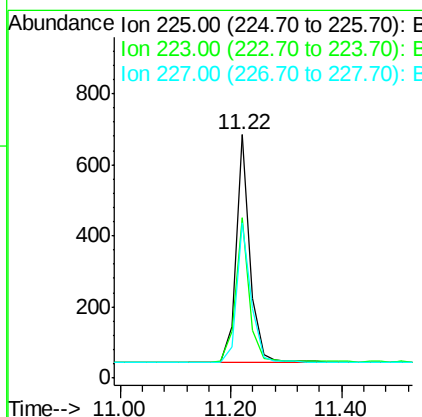
RT: 11.22 min Scan# 722

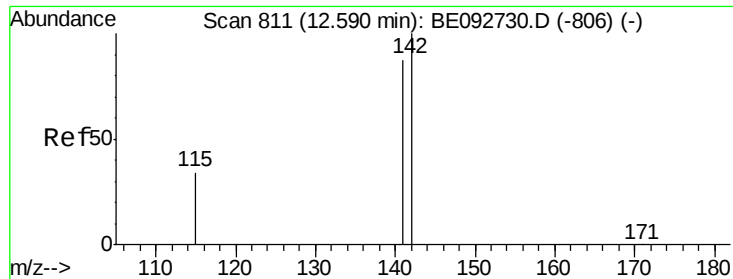
Delta R.T. -0.00 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Tgt Ion:	225	Resp:	1113
Ion Ratio	Lower	Upper	
225	100		
223	63.0	50.6	76.0
227	63.9	51.4	77.0





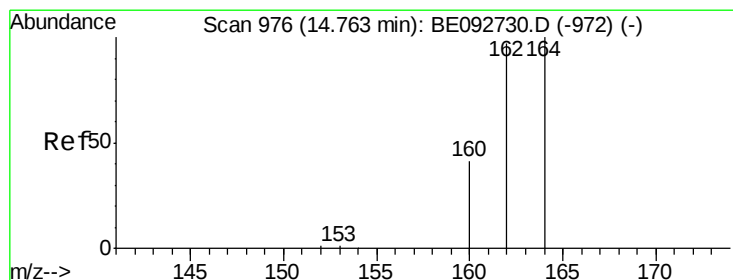
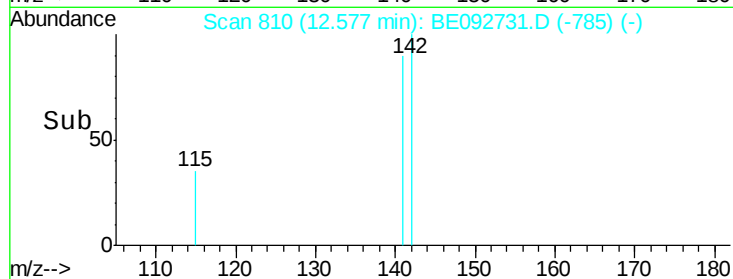
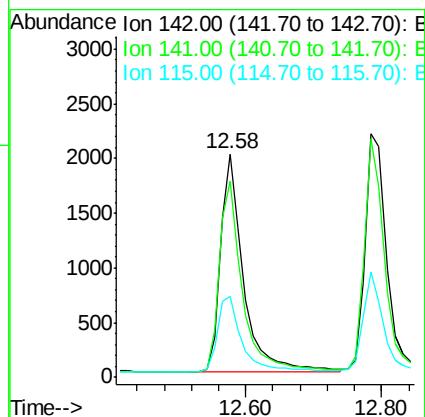
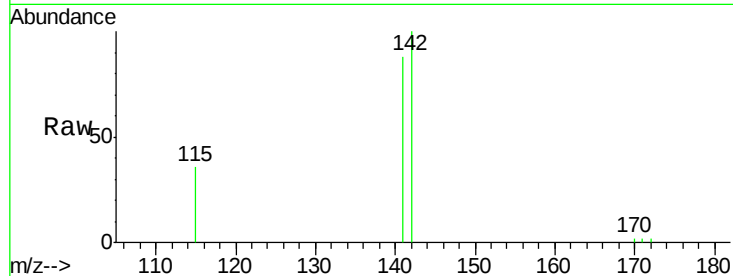
#11
2-Methylnaphthalene
Concen: 0.84 ng
RT: 12.58 min Scan# 810
Delta R.T. -0.01 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:142 Resp: 4693
Ion Ratio Lower Upper
142 100
141 87.9 73.7 110.5
115 36.2 34.0 51.0

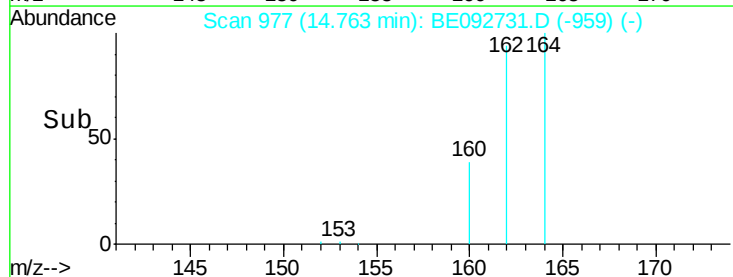
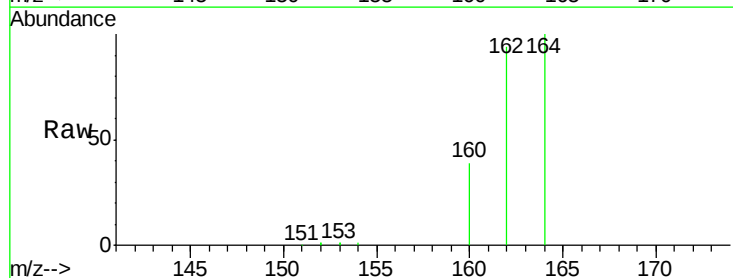
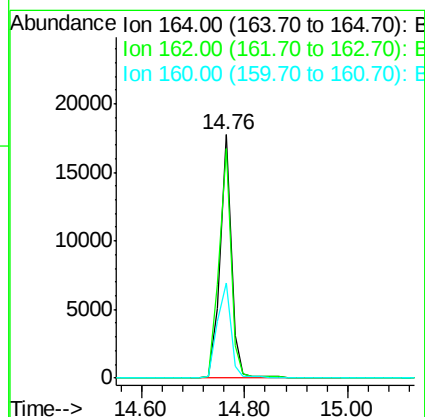
Manual Integrations
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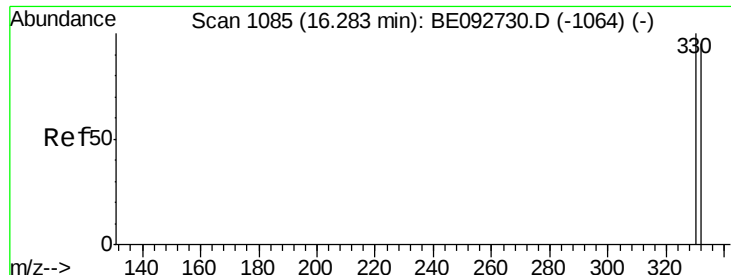
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.76 min Scan# 977
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Tgt Ion:164 Resp: 27068
Ion Ratio Lower Upper
164 100
162 94.1 71.4 107.0
160 39.3 27.4 41.2





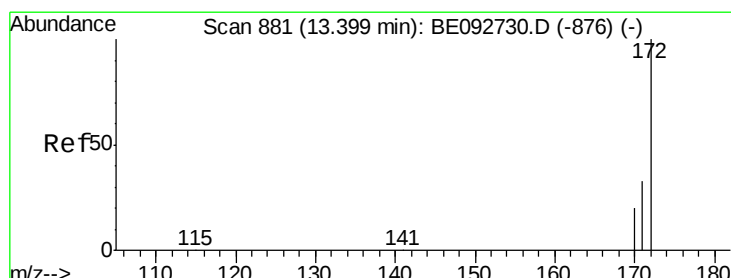
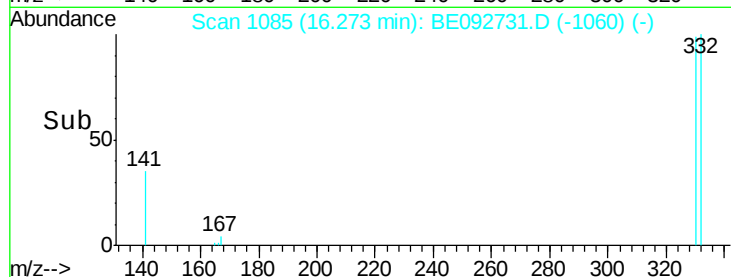
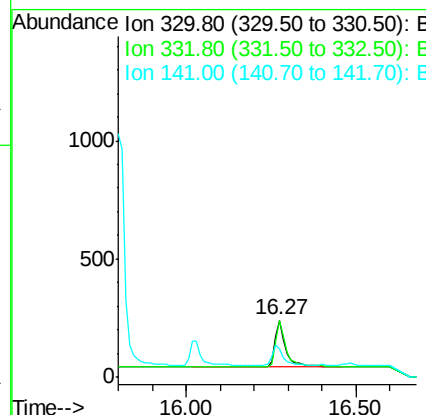
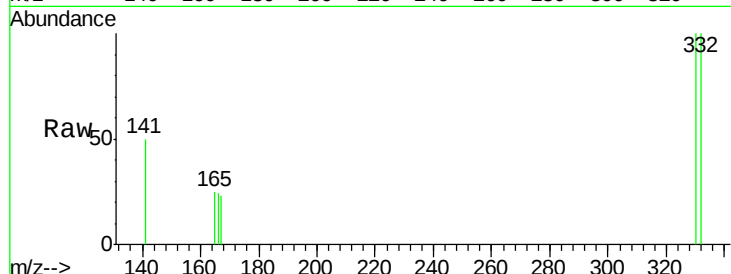
#13
 2,4,6-Tribromophenol
 Concen: 0.64 ng
 RT: 16.27 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: BE092731.D
 Acq: 15 Feb 2017 13:44

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion: 330 Resp: 438
 Ion Ratio Lower Upper
 330 100
 332 100.5 75.4 113.0
 141 46.1 31.0 46.6

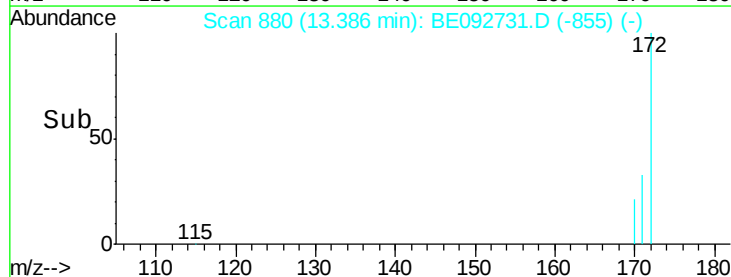
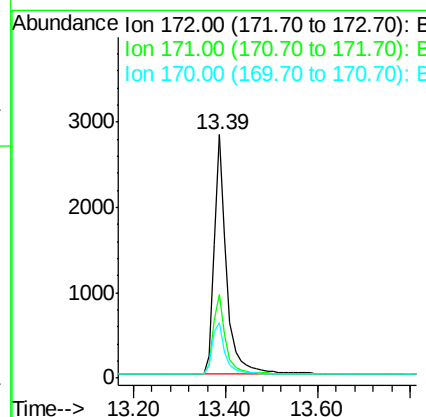
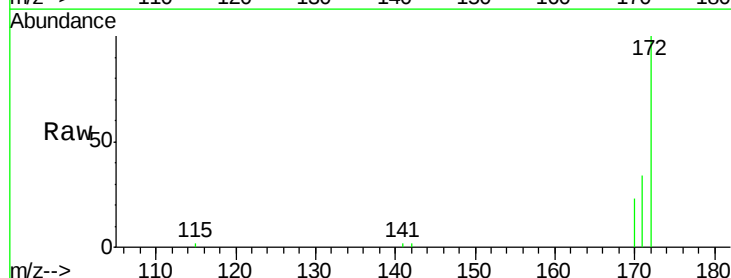
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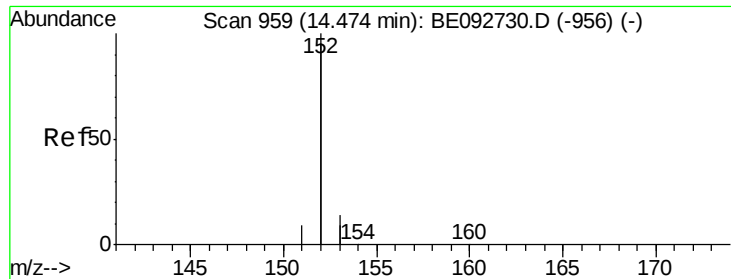
mohammad
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#14
 2-Fluorobiphenyl
 Concen: 0.81 ng
 RT: 13.39 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BE092731.D
 Acq: 15 Feb 2017 13:44

Tgt Ion: 172 Resp: 5368
 Ion Ratio Lower Upper
 172 100
 171 34.1 30.1 45.1
 170 22.6 21.8 32.6





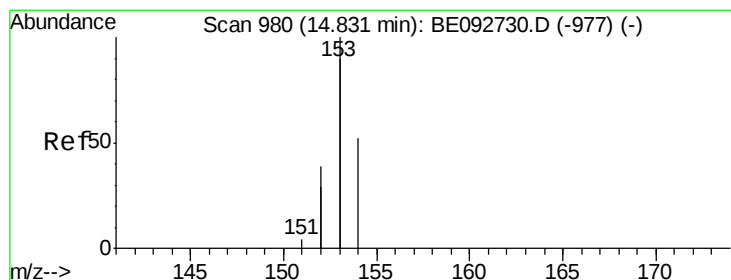
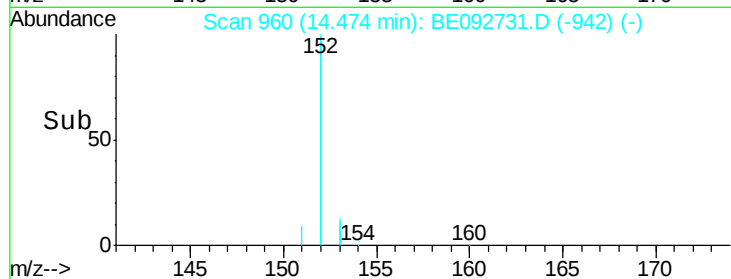
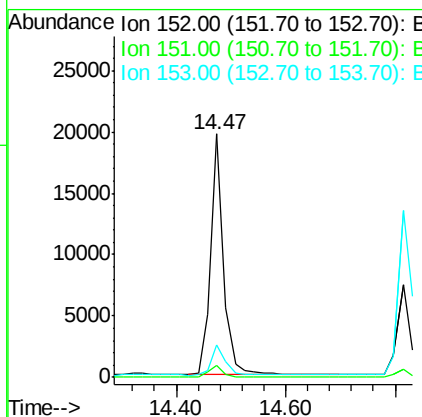
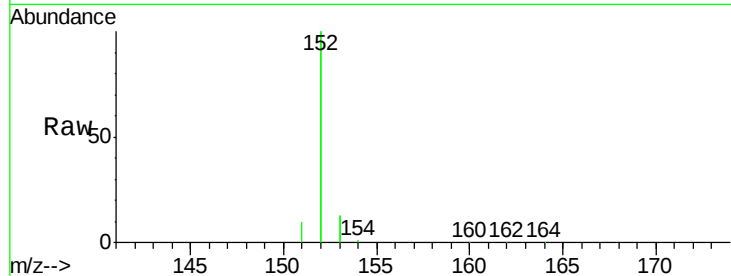
#15
Acenaphthylene
Concen: 0.88 ng
RT: 14.47 min Scan# 960
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.4	15.6

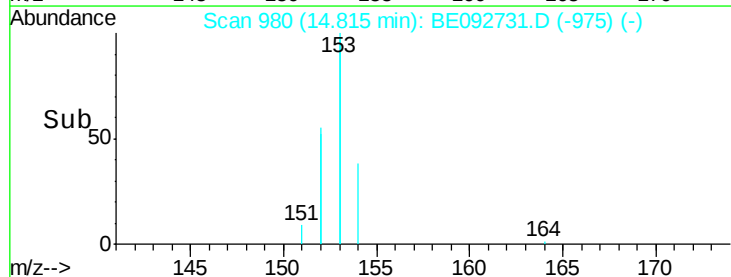
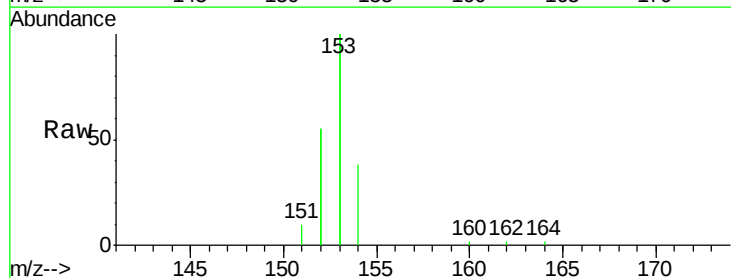
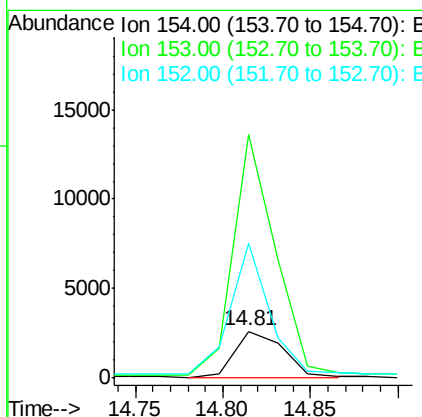
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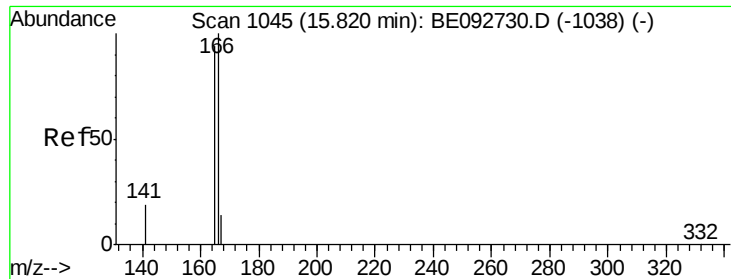
mohammad
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#16
Acenaphthene
Concen: 0.82 ng
RT: 14.81 min Scan# 980
Delta R.T. -0.02 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	456.9	350.8	526.2
152	231.5	171.1	256.7





#17

Fluorene

Concen: 0.83 ng

RT: 15.81 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Instrument :

BNA_E

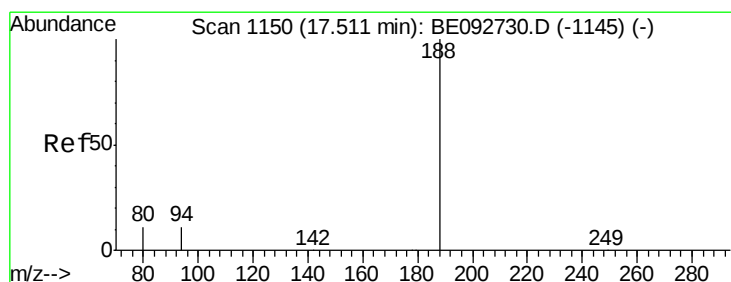
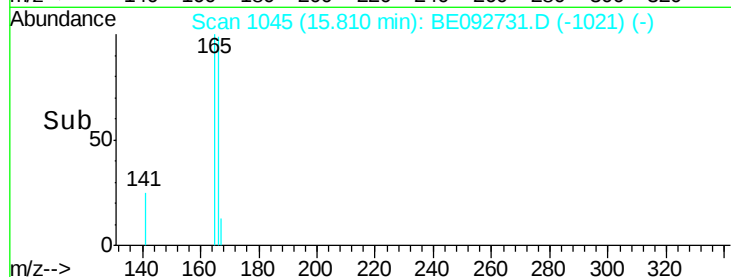
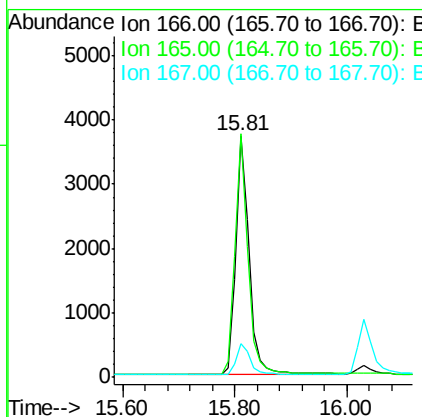
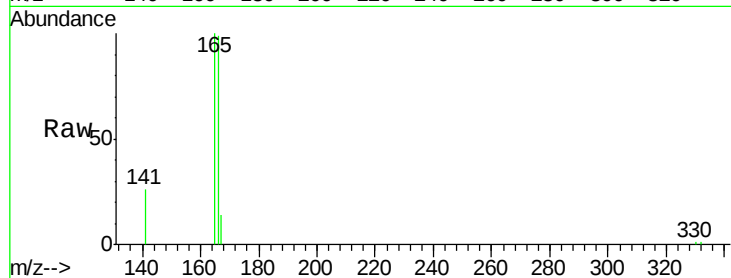
ClientSampleId :

SSTDIC0.8

Tgt Ion:	166	Resp:	6206
Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.2	117.4
167	13.4	11.0	16.4

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#18

Phenanthrene-d10

Concen: 5.00 ng

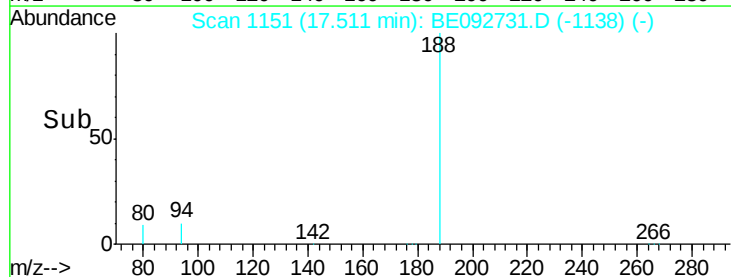
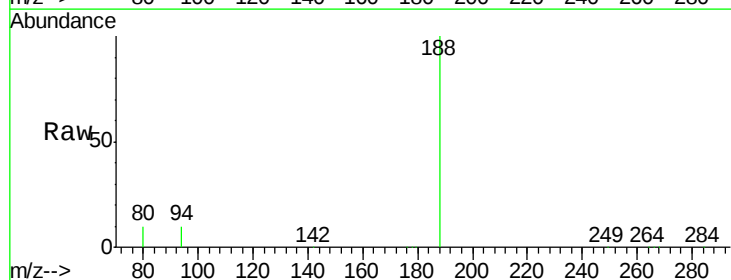
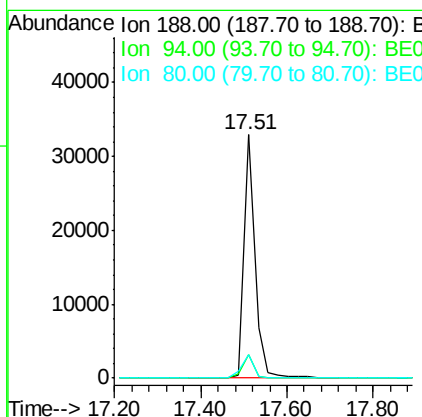
RT: 17.51 min Scan# 1151

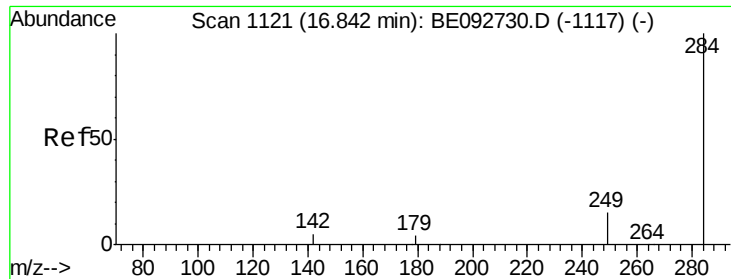
Delta R.T. 0.00 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Tgt Ion:	188	Resp:	57776
Ion	Ratio	Lower	Upper
188	100		
94	9.9	3.2	4.8#
80	9.6	2.6	3.8#





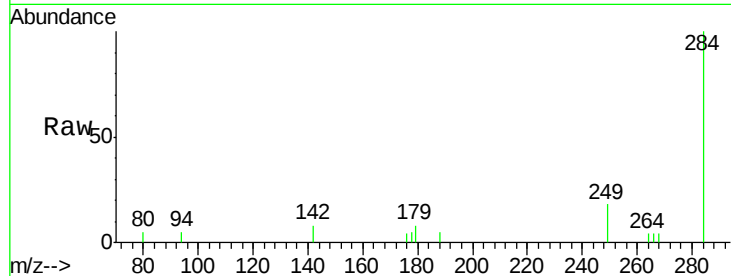
#19
Hexachlorobenzene
Concen: 0.82 ng
RT: 16.84 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

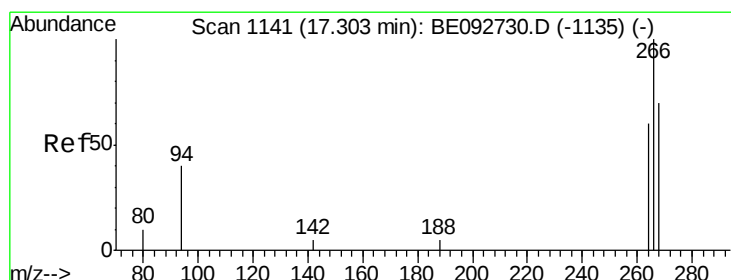
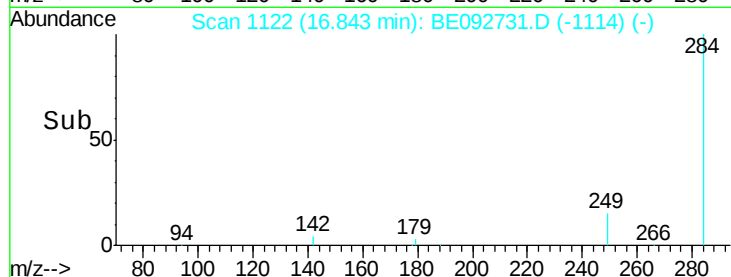
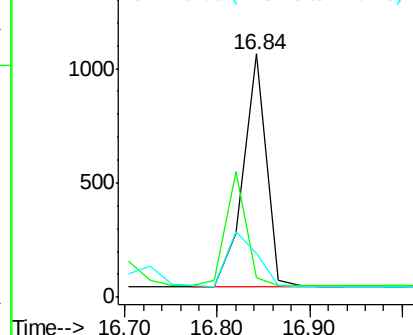
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	1797		
142	0.0	29.1	43.7#	
249	0.0	27.9	41.9#	

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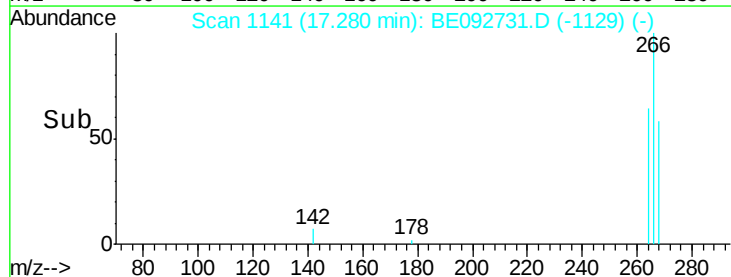
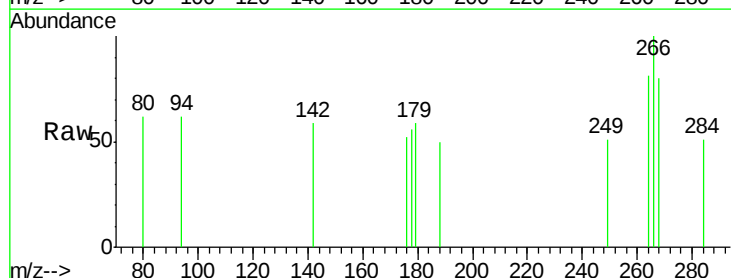
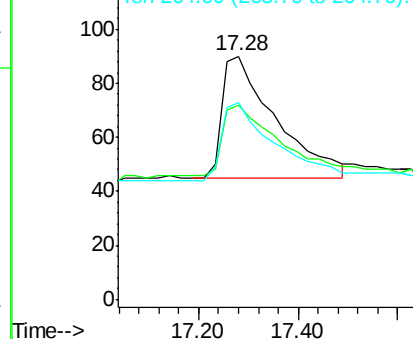
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

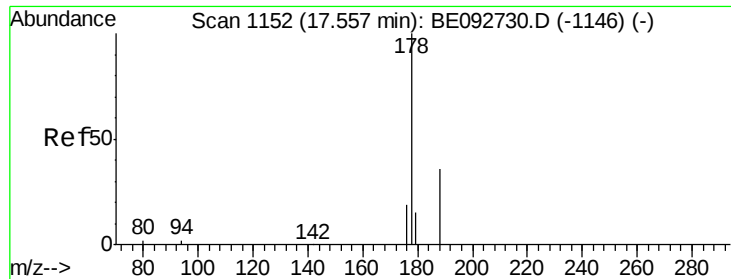


#20
Pentachlorophenol
Concen: 0.56 ng
RT: 17.28 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	333		
268	80.0	62.5	93.7	
264	81.1	57.2	85.8	

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





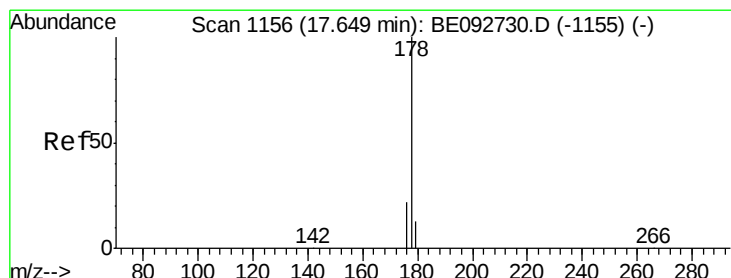
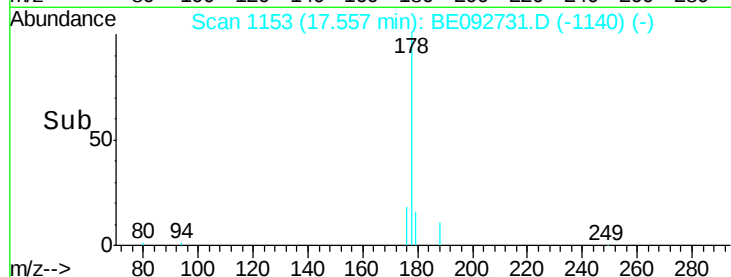
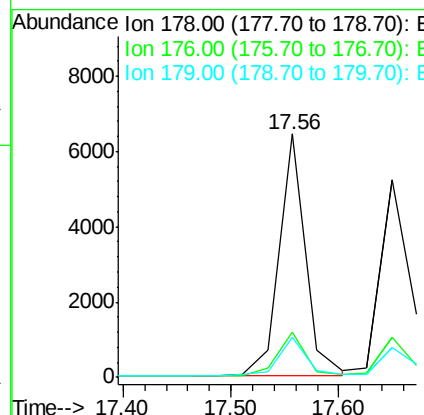
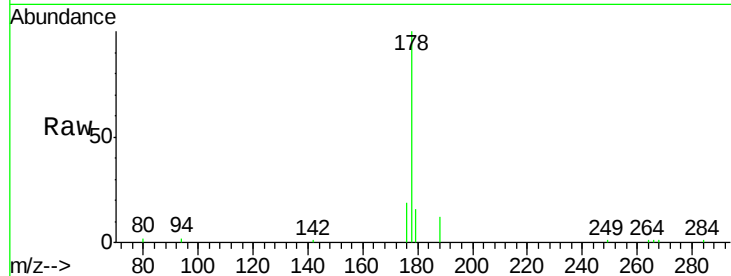
#21
Phenanthrene
Concen: 0.86 ng
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.9	16.0	24.0

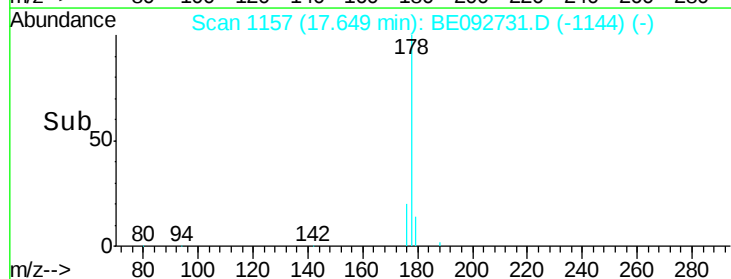
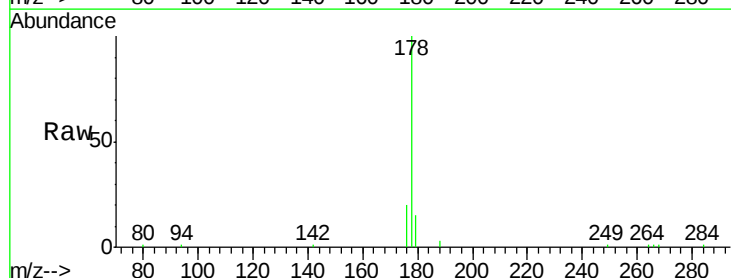
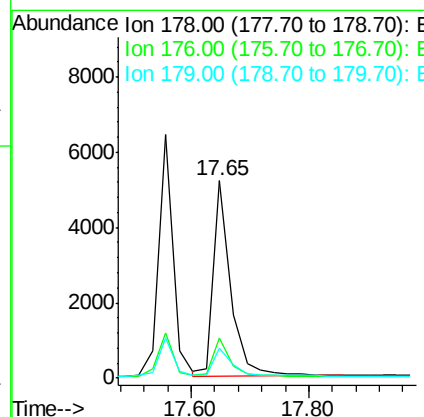
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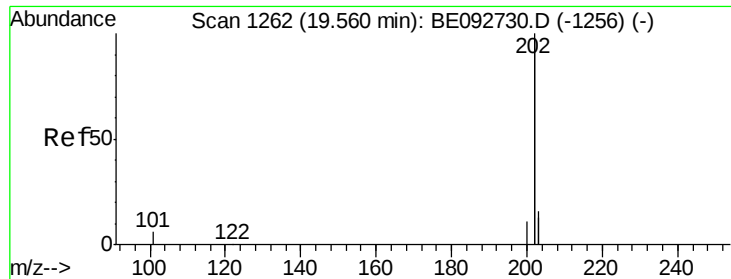
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#22
Anthracene
Concen: 0.89 ng
RT: 17.65 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.2	12.2	18.2





#23

Fluoranthene

Concen: 0.82 ng

RT: 19.56 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Instrument :

BNA_E

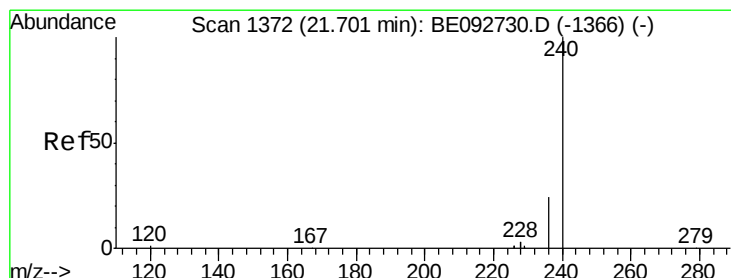
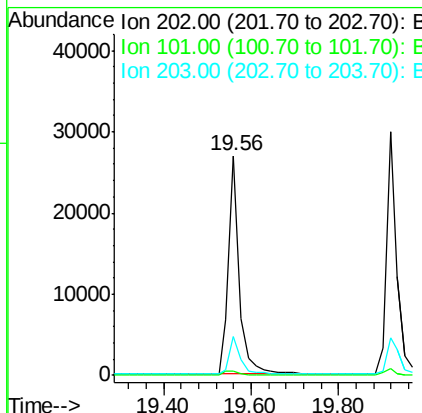
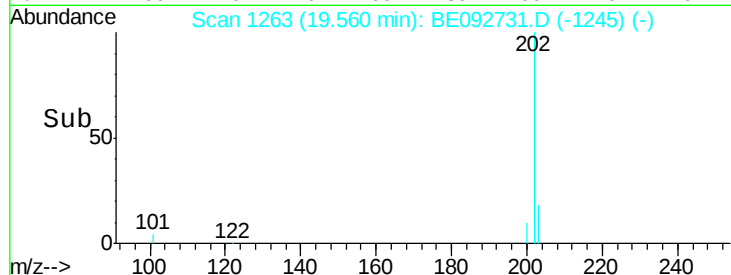
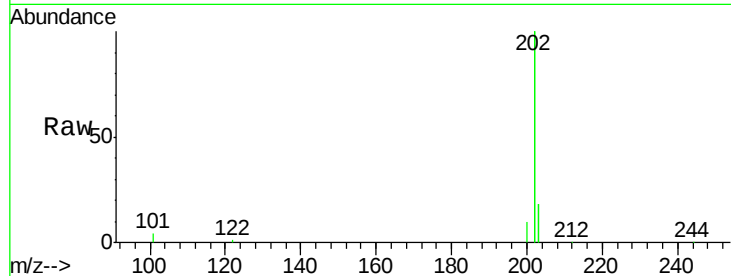
ClientSampleId :

SSTDICC0.8

Tgt Ion:	202	Resp:	46208
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

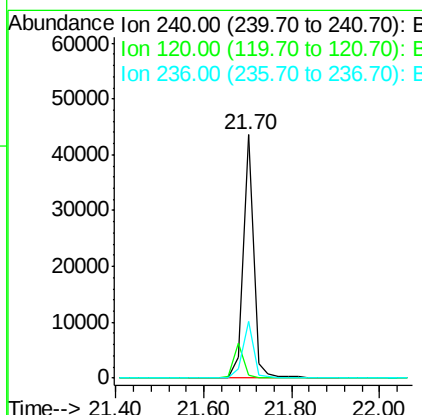
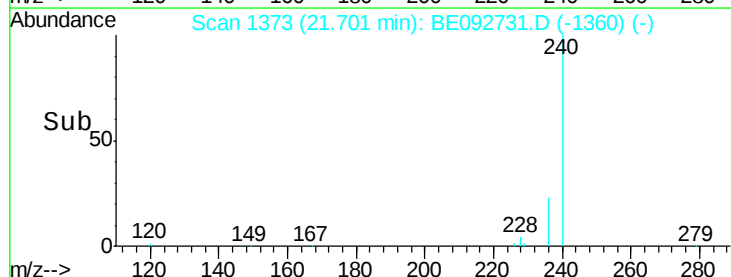
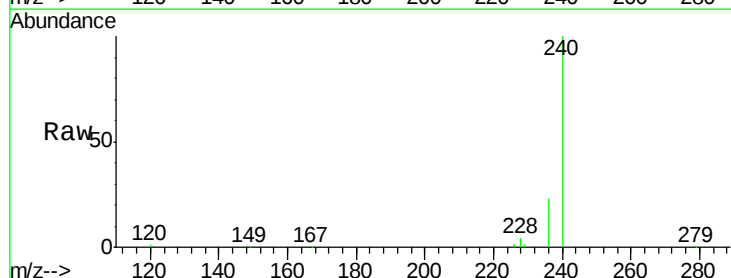
RT: 21.70 min Scan# 1373

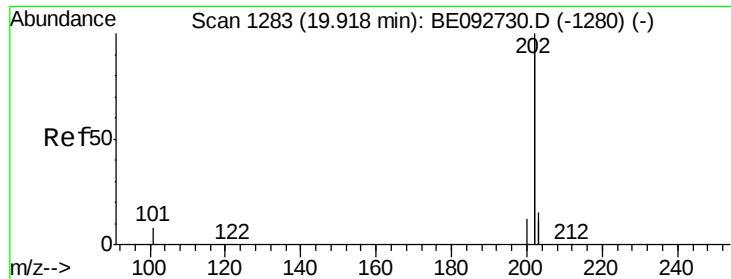
Delta R.T. 0.00 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Tgt Ion:	240	Resp:	69962
Ion Ratio	Lower	Upper	
240	100		
120	1.2	2.6	4.0#
236	23.5	24.6	37.0#





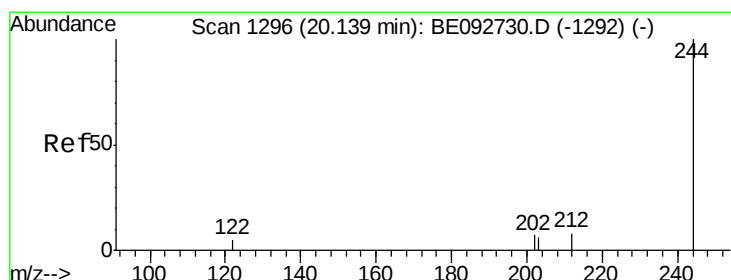
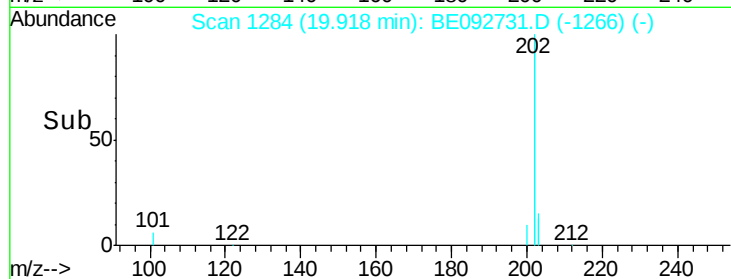
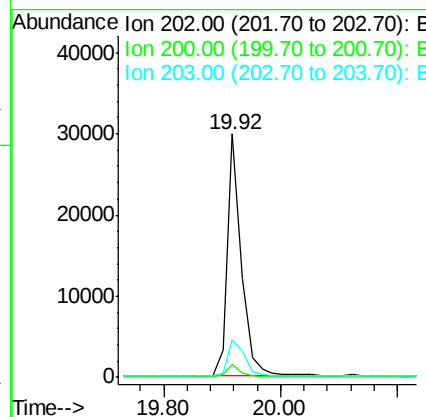
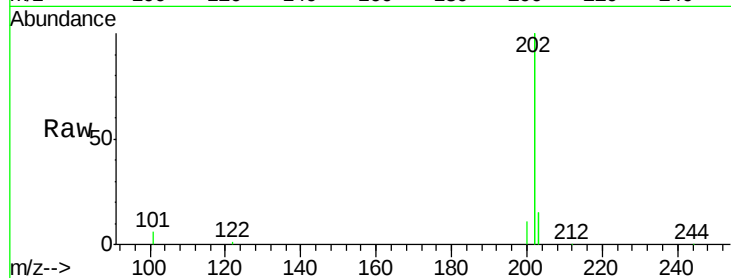
#25
 Pyrene
 Concen: 0.73 ng
 RT: 19.92 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: BE092731.D
 Acq: 15 Feb 2017 13:44

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.1	4.2	6.4
203	17.3	13.9	20.9

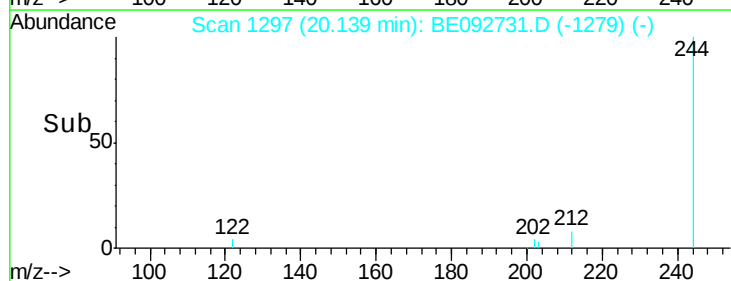
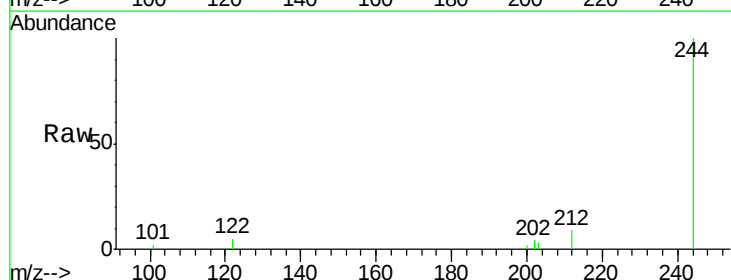
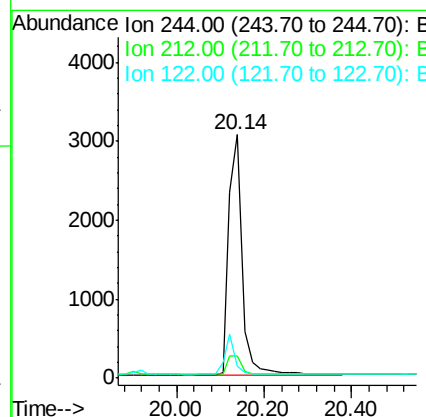
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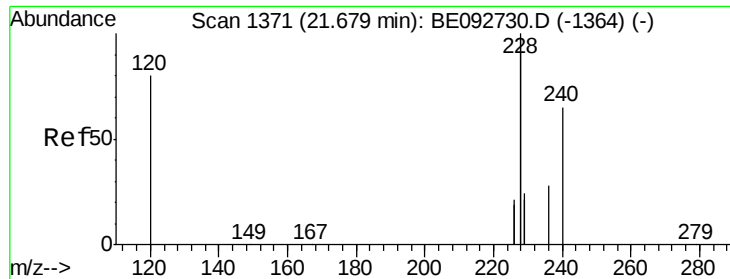
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#26
 Terphenyl-d14
 Concen: 0.66 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: BE092731.D
 Acq: 15 Feb 2017 13:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.7	10.1
122	5.1	3.6	5.4





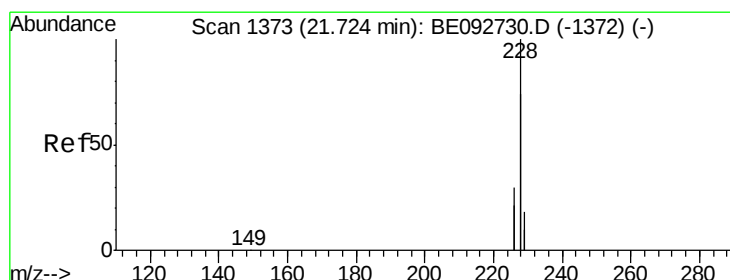
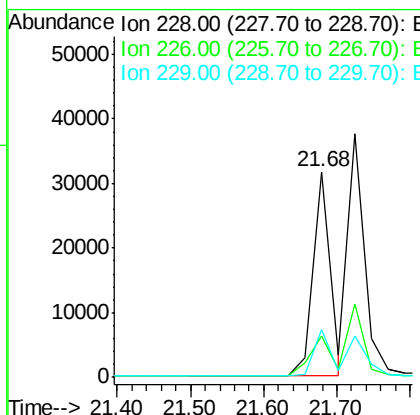
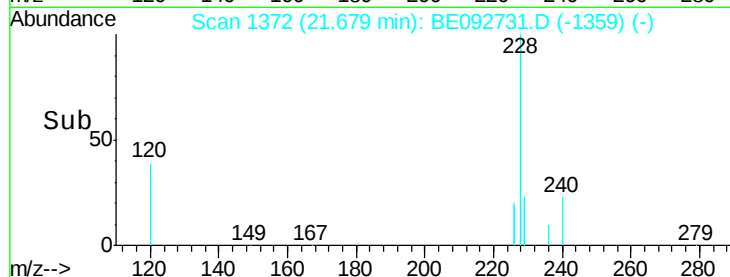
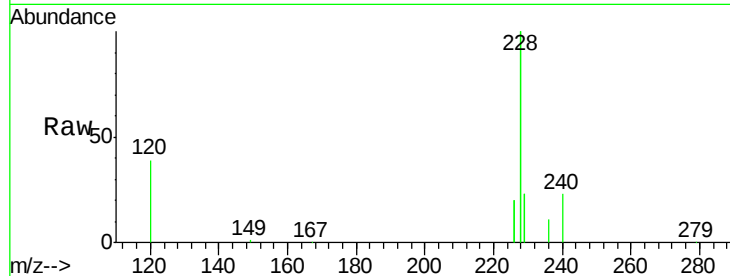
#27
Benzo(a)anthracene
Concen: 0.74 ng
RT: 21.68 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
228	100		
226	20.2	23.6	35.4#
229	23.3	13.3	19.9#

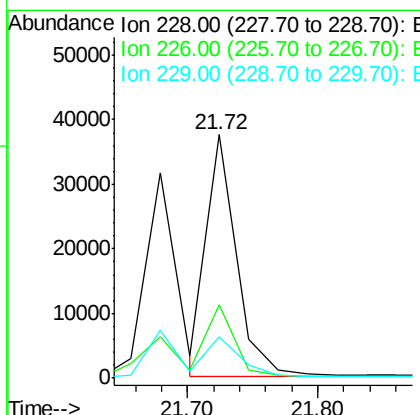
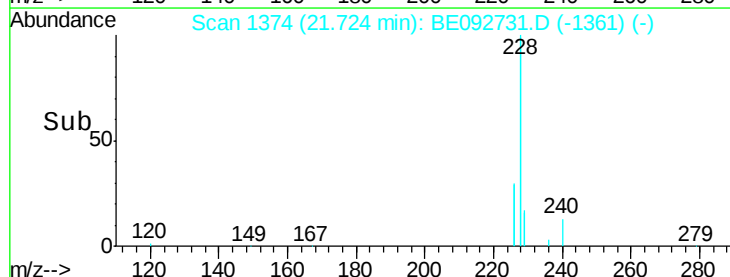
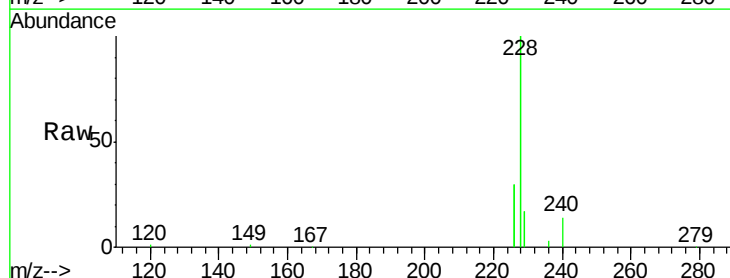
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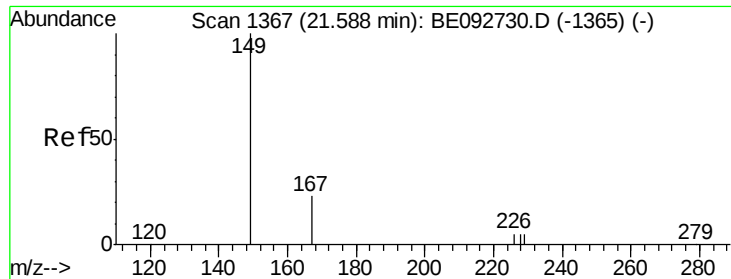
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#28
Chrysene
Concen: 0.79 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	36.3	54.5#
229	16.7	10.6	16.0#





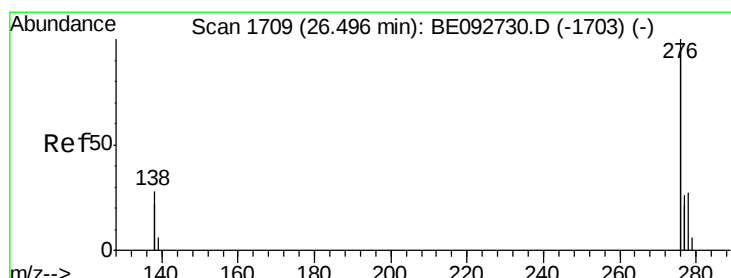
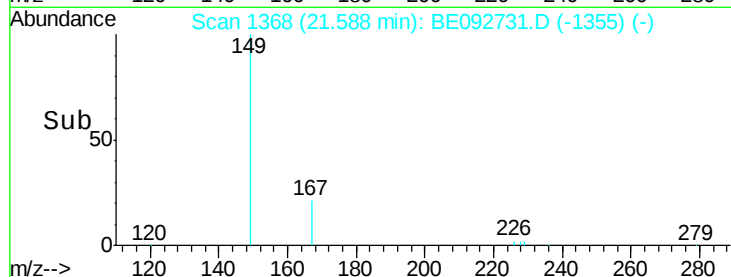
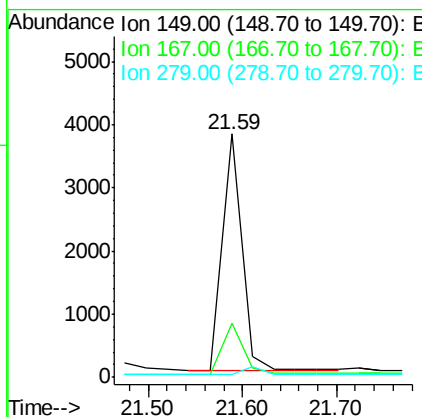
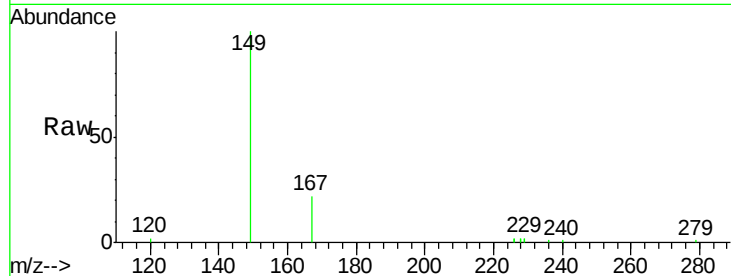
#29
Bis(2-ethylhexyl)phthalate
Concen: 0.43 ng
RT: 21.59 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.8	16.0	24.0
279	0.0	16.0	24.0

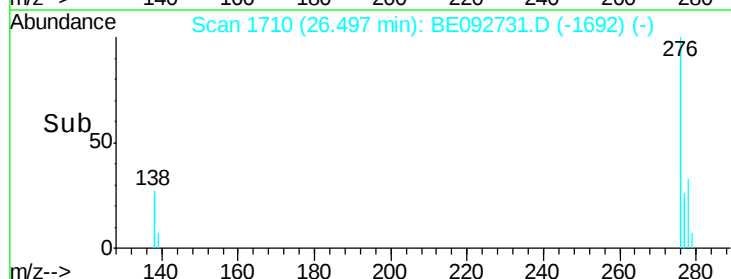
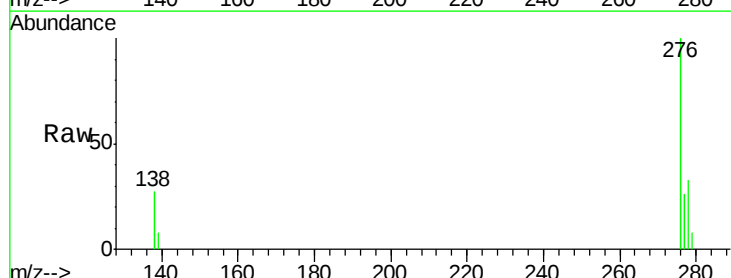
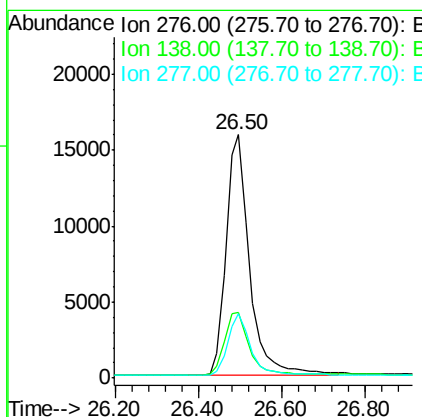
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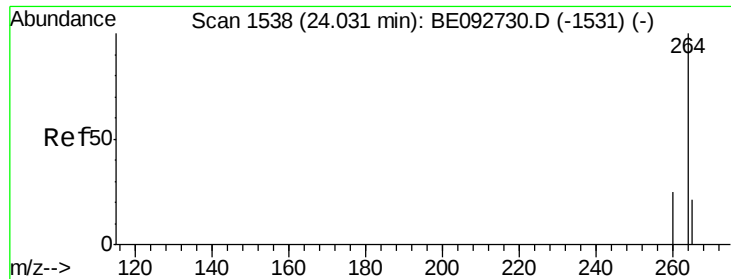
mohammad
2/16/2017 11:44:34 AM



#30
Indeno(1,2,3-cd)pyrene
Concen: 0.74 ng
RT: 26.50 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.7	20.3	30.5
277	24.8	19.7	29.5





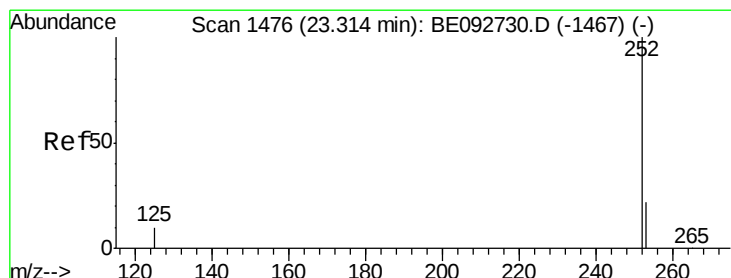
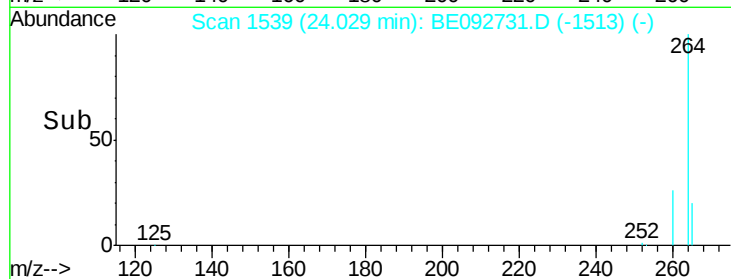
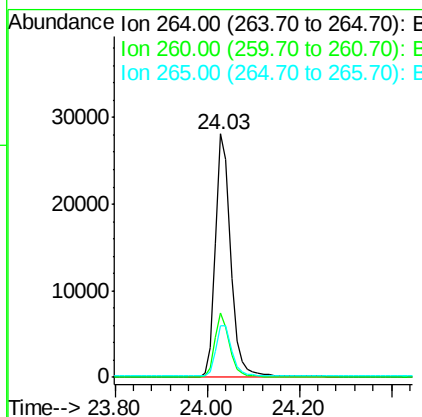
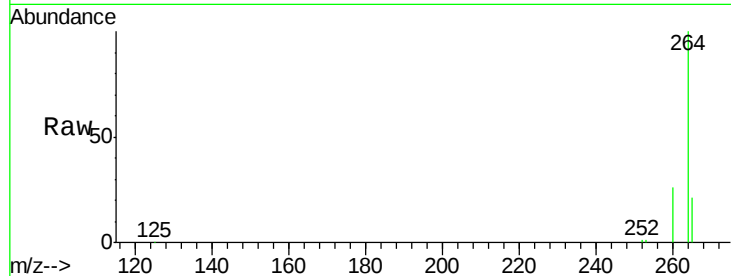
#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.03 min Scan# 1539
 Delta R.T. -0.00 min
 Lab File: BE092731.D
 Acq: 15 Feb 2017 13:44

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.1	30.1
265	21.0	17.9	26.9

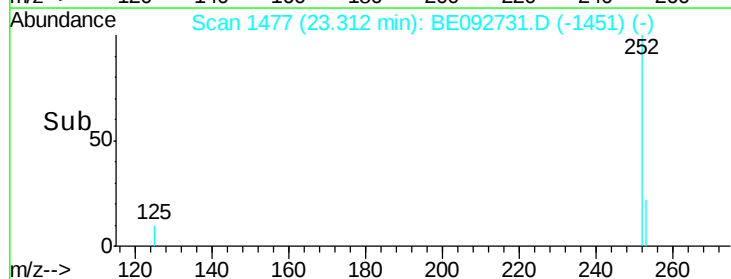
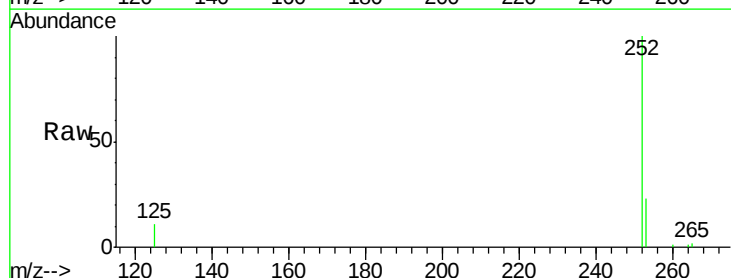
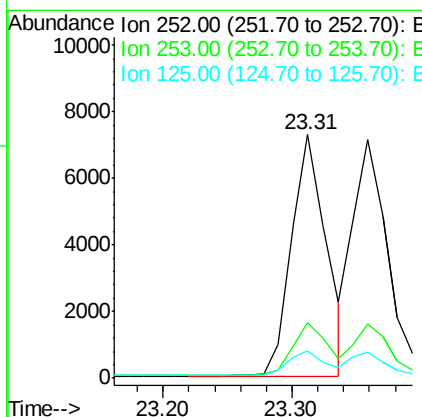
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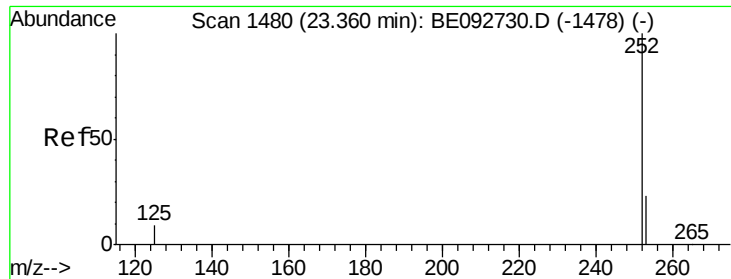
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#32
 Benzo(b)fluoranthene
 Concen: 0.87 ng
 RT: 23.31 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: BE092731.D
 Acq: 15 Feb 2017 13:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	11.0	10.5	15.7





#33

Benzo(k)fluoranthene

Concen: 0.90 ng

RT: 23.36 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Instrument :

BNA_E

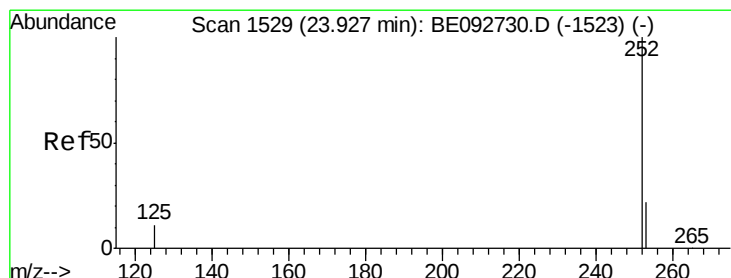
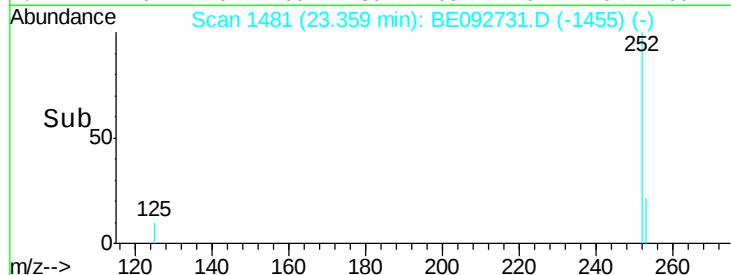
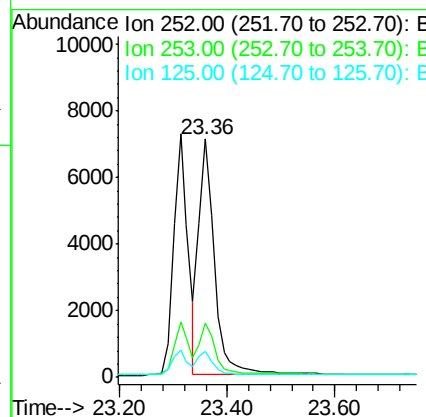
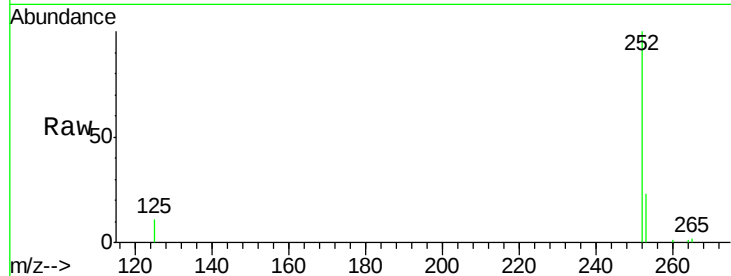
ClientSampleId :

SSTDIC0.8

Tgt Ion:	252	Resp:	14127
Ion Ratio	Lower	Upper	
252	100		
253	22.5	20.3	30.5
125	11.0	9.6	14.4

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#34

Benzo(a)pyrene

Concen: 0.84 ng

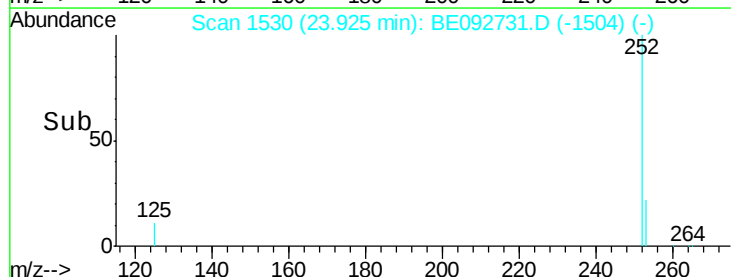
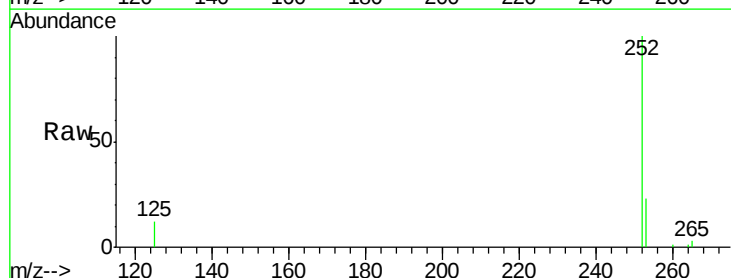
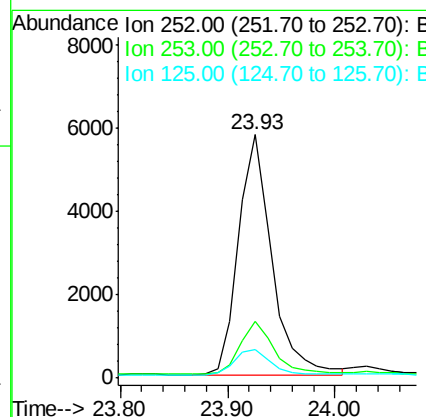
RT: 23.93 min Scan# 1530

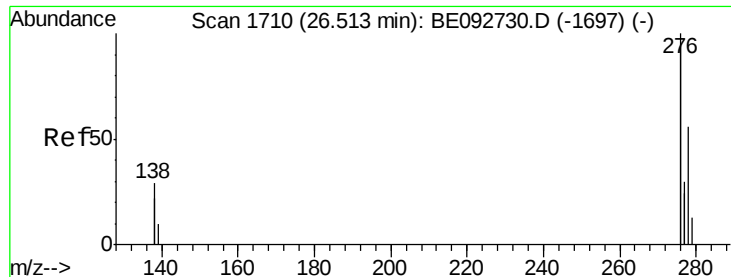
Delta R.T. -0.00 min

Lab File: BE092731.D

Acq: 15 Feb 2017 13:44

Tgt Ion:	252	Resp:	12356
Ion Ratio	Lower	Upper	
252	100		
253	23.2	19.0	28.6
125	12.0	11.8	17.8





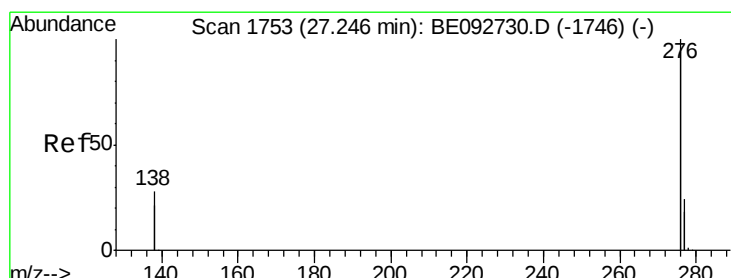
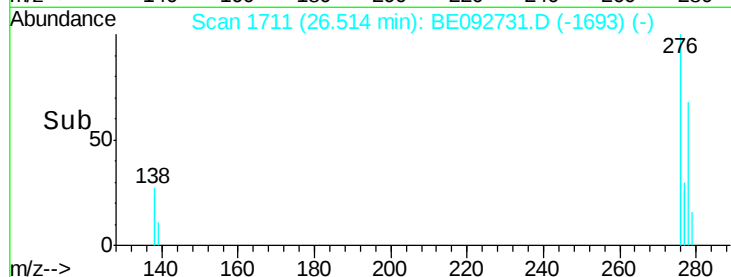
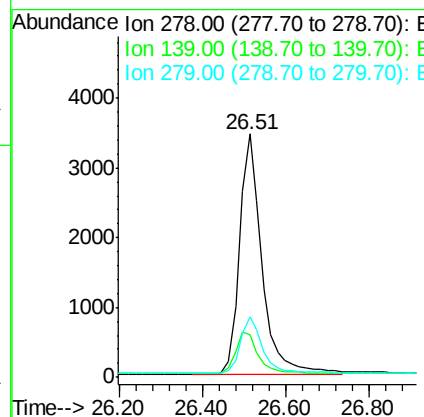
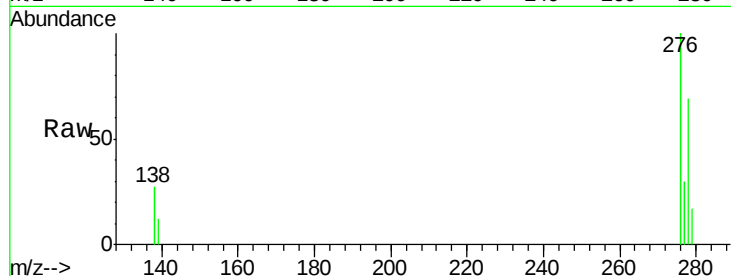
#35
Dibenzo(a,h)anthracene
Concen: 0.90 ng
RT: 26.51 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.8	20.8
279	24.8	21.4	32.2

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#36
Benzo(g,h,i)perylene
Concen: 0.90 ng
RT: 27.25 min Scan# 1754
Delta R.T. 0.00 min
Lab File: BE092731.D
Acq: 15 Feb 2017 13:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.8	29.8
138	24.8	19.8	29.6

