

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020117\
 Data File : BE092707.D
 Acq On : 1 Feb 2017 9:58
 Operator : SJ/MA
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Manual Integrations
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mohammad
 2/2/2017 10:14:18 AM

Quant Time: Feb 01 12:32:28 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	14647	5.00	ng	-0.02
7) Naphthalene-d8	10.91	136	65120	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	40598	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	84787	5.00	ng	0.00
24) Chrysene-d12	21.72	240	89700	5.00	ng	0.00
31) Perylene-d12	24.06	264	105069	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.64	112	1523	0.47	ng	-0.01
5) Phenol-d6	7.31	99	1886	0.47	ng	-0.02
8) Nitrobenzene-d5	9.32	82	1768	0.42	ng	-0.02
13) 2,4,6-Tribromophenol	16.28	330	474	0.52	ng	-0.01
14) 2-Fluorobiphenyl	13.40	172	4163	0.42	ng	-0.02
26) Terphenyl-d14	20.16	244	5342	0.42	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	867	0.38	ng	98
3) n-Nitrosodimethylamine	3.73	42	1034	0.39	ng	# 97
6) bis(2-Chloroethyl)ether	7.54	93	1678	0.39	ng	90
9) Naphthalene	10.95	128	5498	0.40	ng	98
10) Hexachlorobutadiene	11.24	225	856	0.43	ng	99
11) 2-Methylnaphthalene	12.59	142	3363	0.40	ng	94
15) Acenaphthylene	14.49	152	22925	0.41	ng	100
16) Acenaphthene	14.83	154	3654	0.41	ng	97
17) Fluorene	15.83	166	4460	0.40	ng	99
19) Hexachlorobenzene	16.87	284	1272m	0.37	ng	
20) Pentachlorophenol	17.21	266	516	0.59	ng	94
21) Phenanthrene	17.58	178	7259	0.39	ng	95
22) Anthracene	17.67	178	7326	0.42	ng	99
23) Fluoranthene	19.58	202	34900	0.42	ng	99
25) Pyrene	19.93	202	36744	0.42	ng	100
27) Benzo(a)anthracene	21.70	228	40470	0.46	ng	# 73
28) Chrysene	21.75	228	37323m	0.38	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	11058	0.82	ng	# 68
30) Indeno(1,2,3-cd)pyrene	26.53	276	49085	0.46	ng	97
32) Benzo(b)fluoranthene	23.34	252	10440	0.41	ng	98
33) Benzo(k)fluoranthene	23.38	252	10678	0.42	ng	98
34) Benzo(a)pyrene	23.95	252	10048	0.42	ng	100
35) Dibenzo(a,h)anthracene	26.55	278	9984	0.43	ng	# 94
36) Benzo(g,h,i)perylene	27.30	276	41698	0.42	ng	98

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

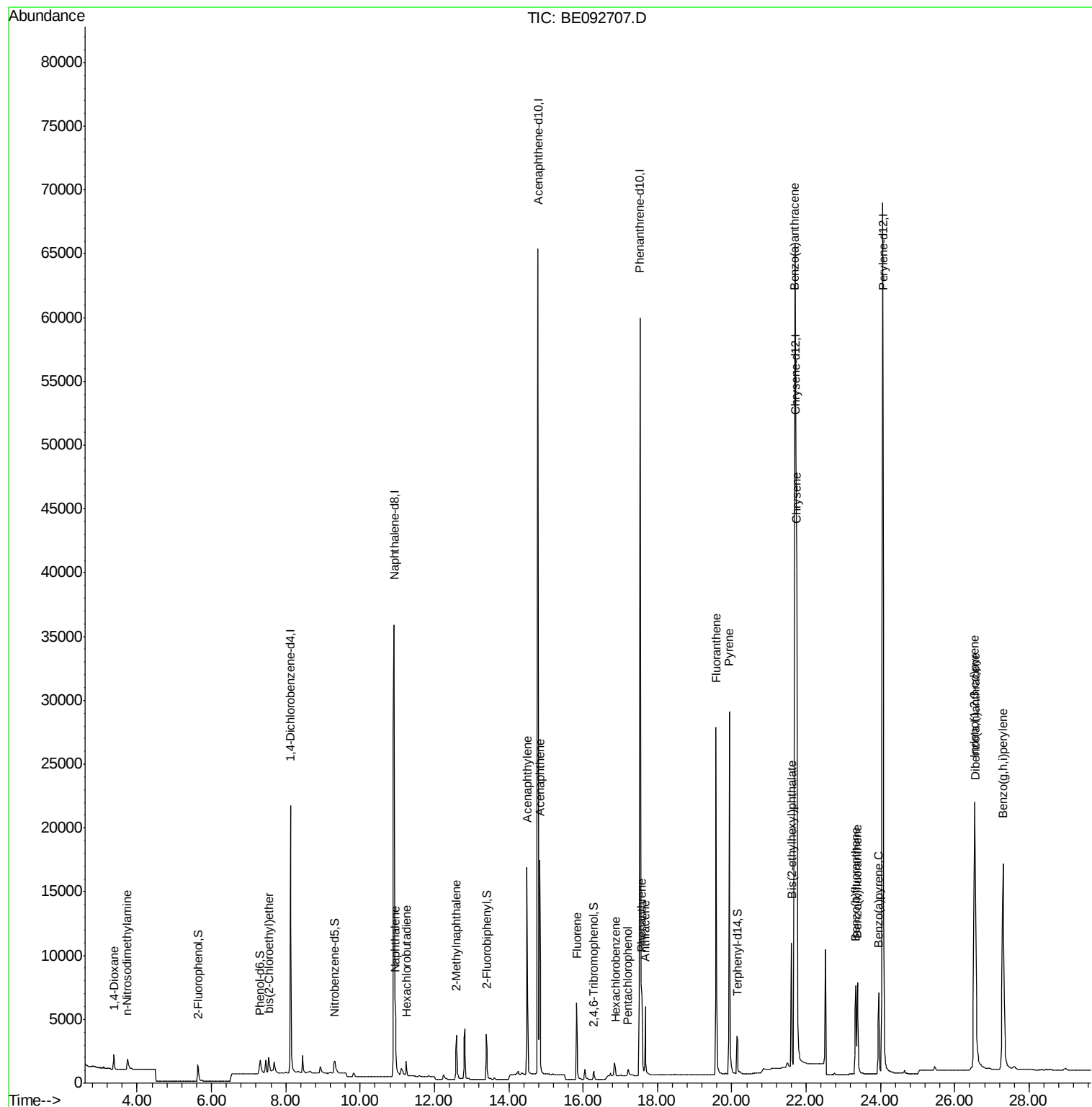
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020117\
Data File : BE092707.D
Acq On : 1 Feb 2017 9:58
Operator : SJ/MA
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

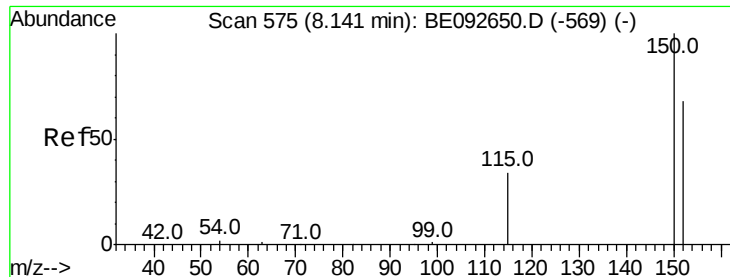
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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2/2/2017 10:14:18 AM

Quant Time: Feb 01 12:32:28 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 17 10:14:01 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.12 min Scan# 574

Delta R.T. -0.02 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Instrument :

BNA_E

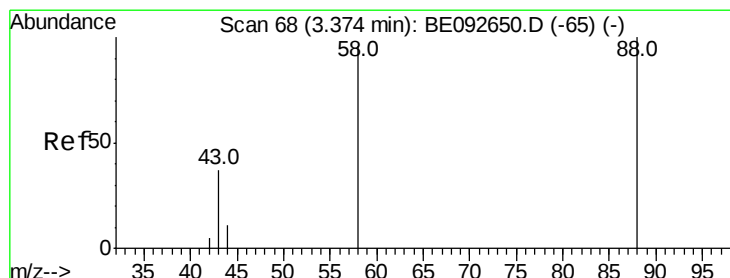
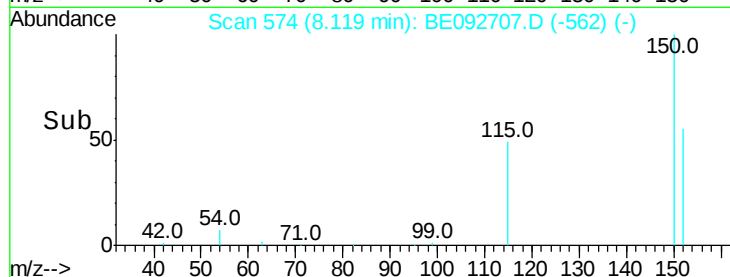
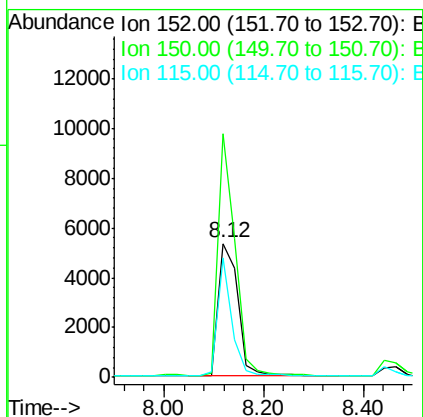
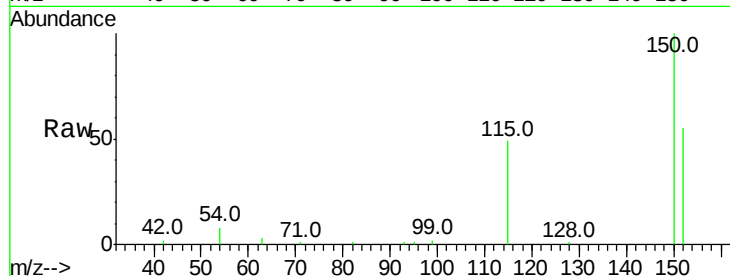
ClientSampleId :

SSTDCCC0.4

Tot Ion	Ratio	Lower	Upper
152	100		
150	182.2	106.0	159.0#
115	89.2	31.2	46.8#

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#2

1,4-Dioxane

Concen: 0.38 ng

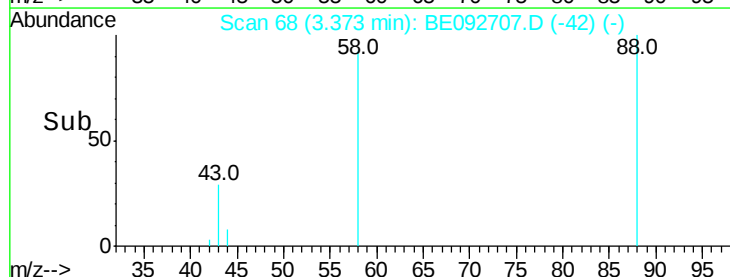
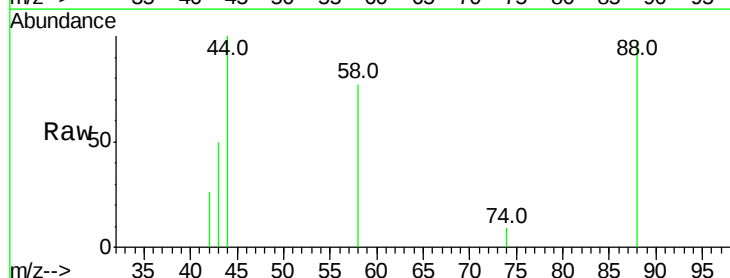
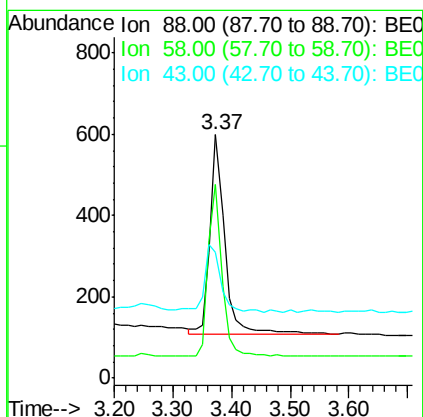
RT: 3.37 min Scan# 68

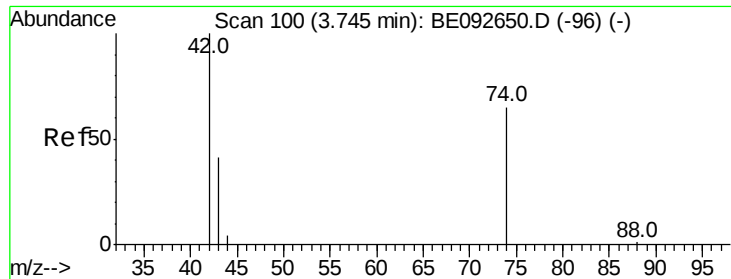
Delta R.T. -0.00 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	78.8	63.6	95.4
43	36.8	28.0	42.0





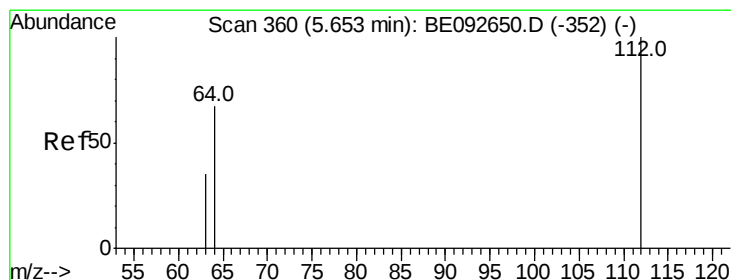
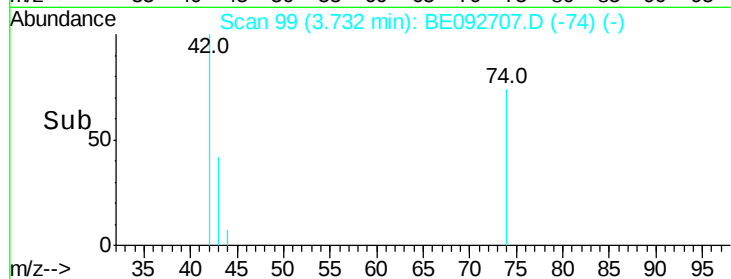
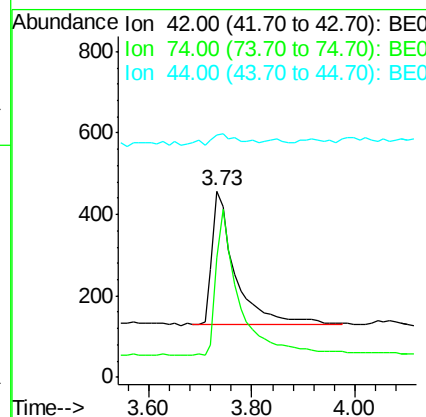
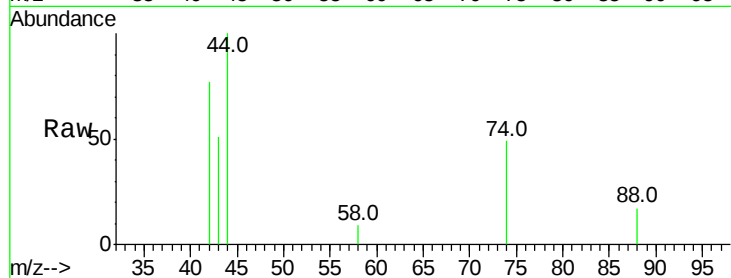
#3
n-Nitrosodimethylamine
Concen: 0.39 ng
RT: 3.73 min Scan# 99
Delta R.T. -0.01 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Instrument :
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ClientSampleId :
SSTDCCC0.4

Tot Ion	Ratio	Lower	Upper
42	100		
74	109.9	86.0	129.0
44	11.0	5.1	7.7#

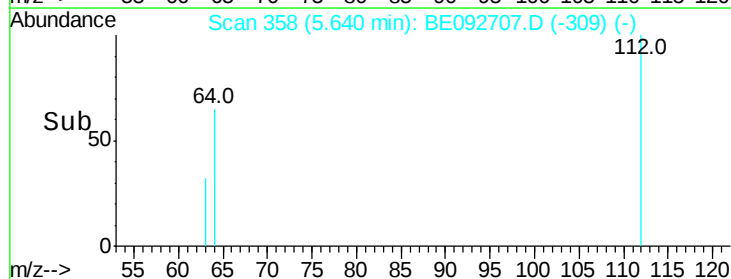
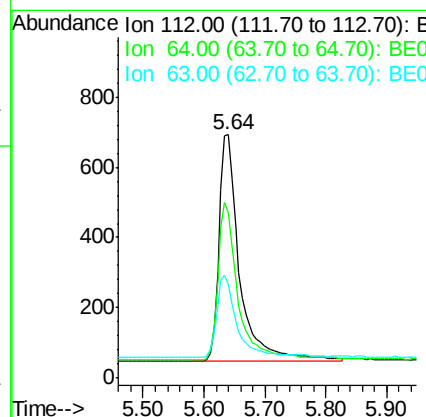
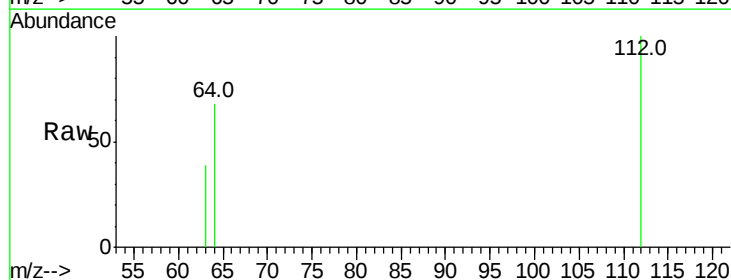
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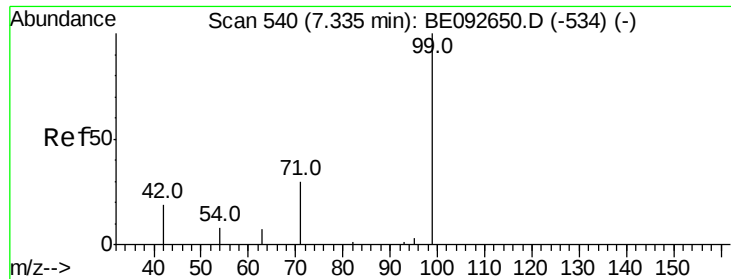
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#4
2-Fluorophenol
Concen: 0.47 ng
RT: 5.64 min Scan# 358
Delta R.T. -0.01 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	53.5	80.3
63	35.1	27.9	41.9





#5

Phenol-d6

Concen: 0.47 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Instrument :

BNA_E

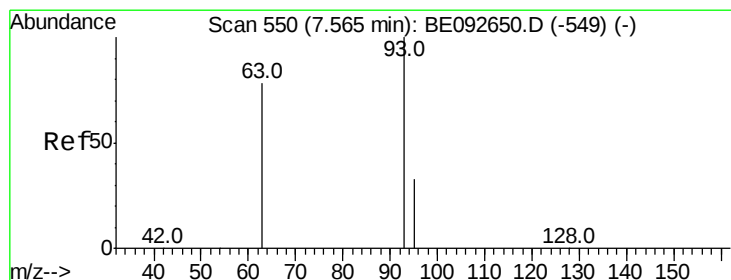
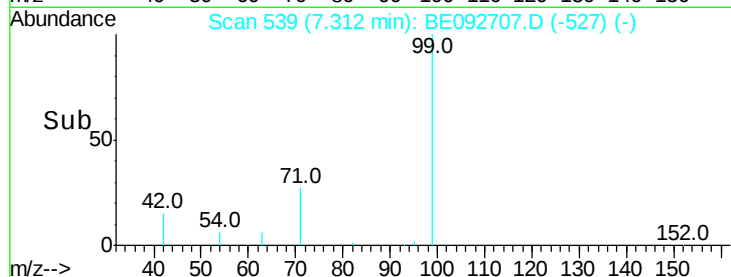
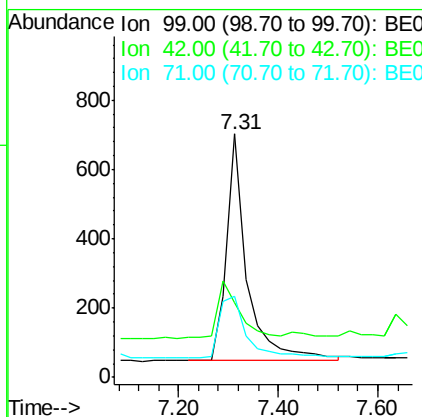
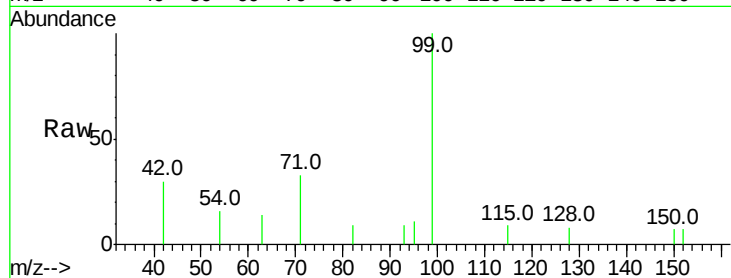
ClientSampleId :

SSTDCCC0.4

Tot Ion:	99	Resp:	1886
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	37.8	30.6	45.8

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#6

bis(2-Chloroethyl)ether

Concen: 0.39 ng

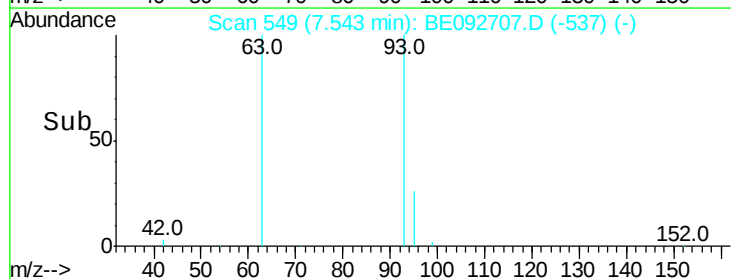
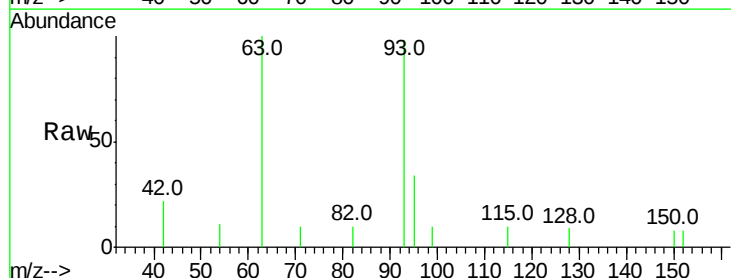
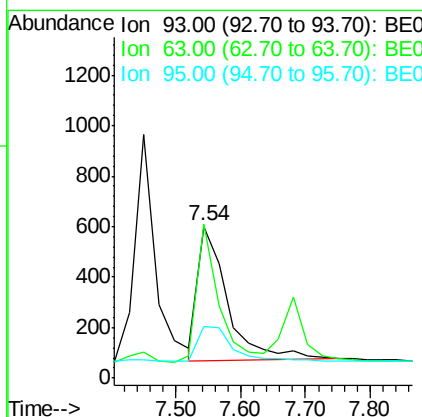
RT: 7.54 min Scan# 549

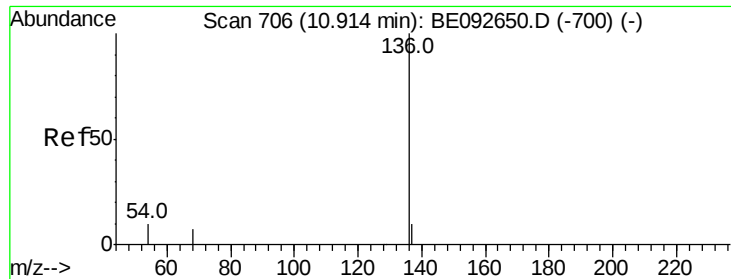
Delta R.T. -0.02 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Tgt Ion:	93	Resp:	1678
Ion Ratio	Lower	Upper	
93	100		
63	77.7	71.6	107.4
95	31.0	24.0	36.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Instrument :

BNA_E

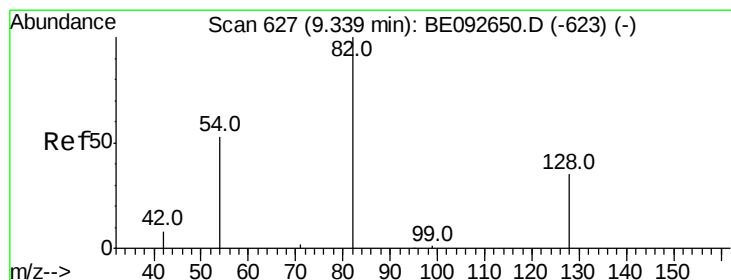
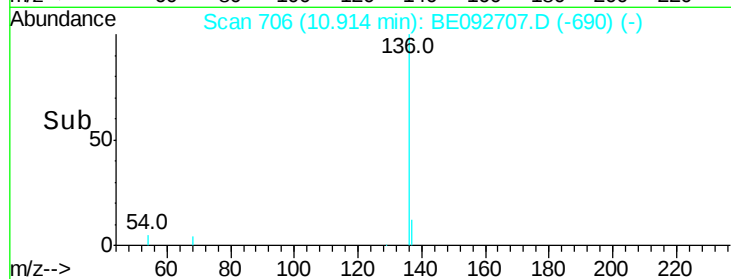
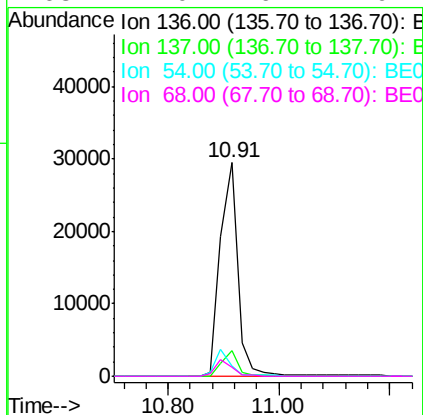
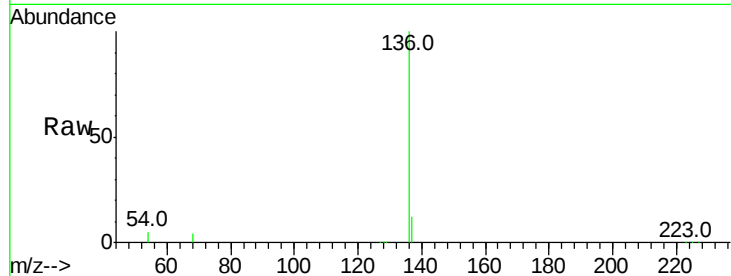
ClientSampleId :

SSTDCCC0.4

Tot Ion:	136	Resp:	65120
Ion Ratio	Lower	Upper	
136	100		
137	11.8	8.2	12.4
54	5.0	9.6	14.4#
68	4.0	6.7	10.1#

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#8

Nitrobenzene-d5

Concen: 0.42 ng

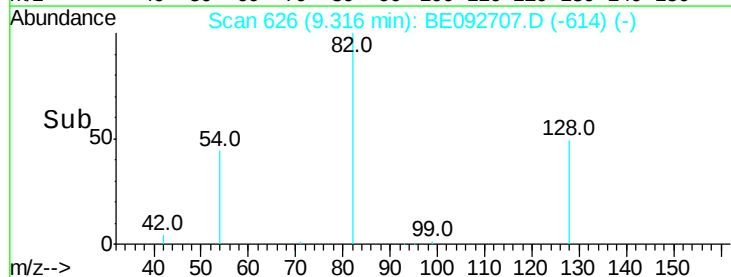
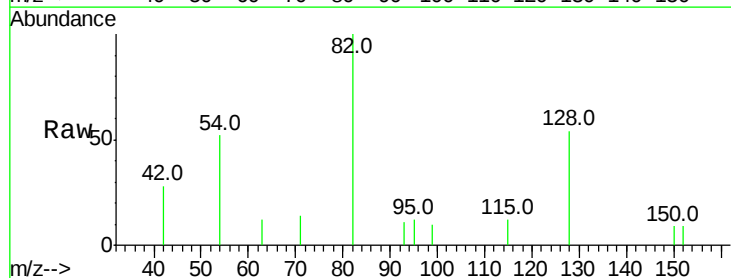
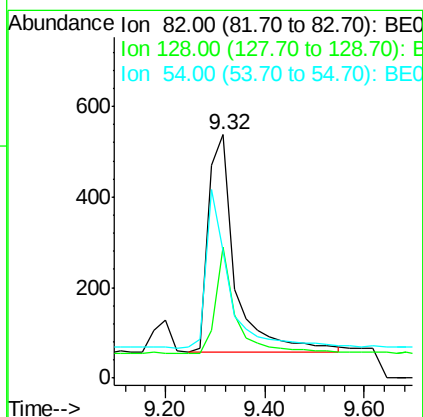
RT: 9.32 min Scan# 626

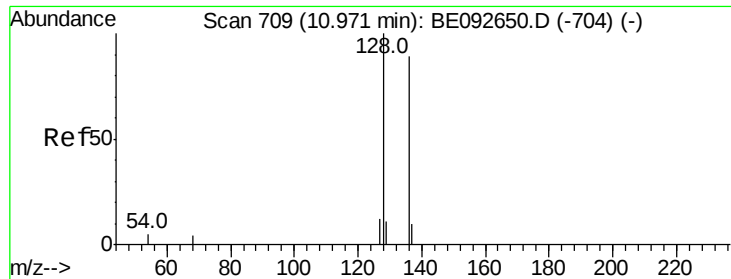
Delta R.T. -0.02 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Tgt Ion:	82	Resp:	1768
Ion Ratio	Lower	Upper	
82	100		
128	53.7	39.0	58.4
54	52.2	44.8	67.2





#9

Naphthalene

Concen: 0.40 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Instrument :

BNA_E

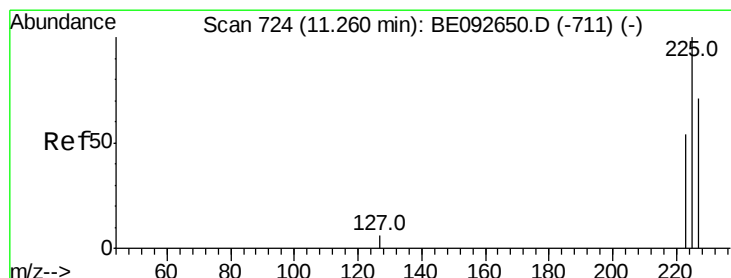
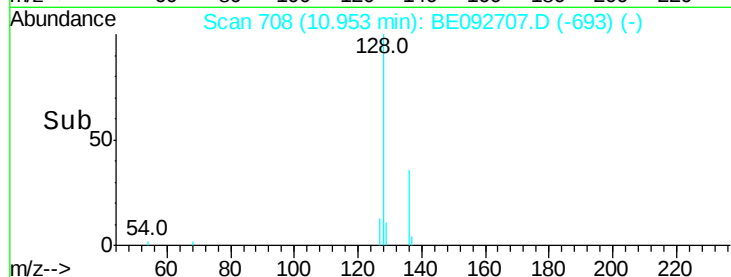
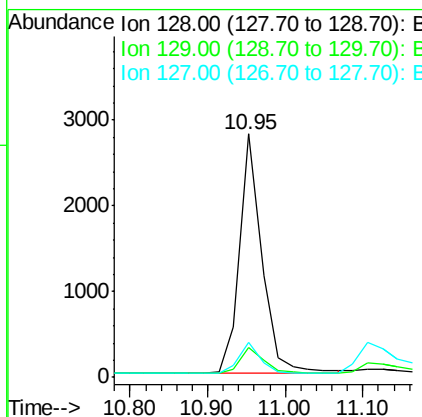
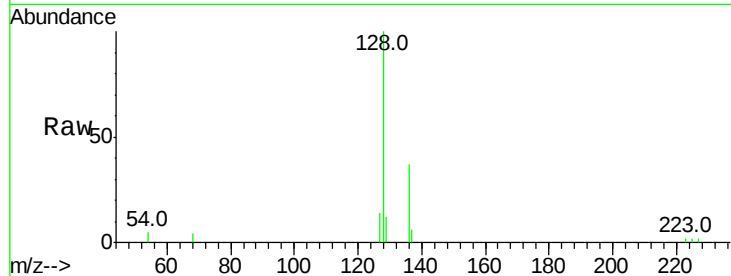
ClientSampleId :

SSTDCCC0.4

Tot Ion:	128	Resp:	5498
Ion Ratio	Lower	Upper	
128	100		
129	12.5	11.2	16.8
127	14.1	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 0.43 ng

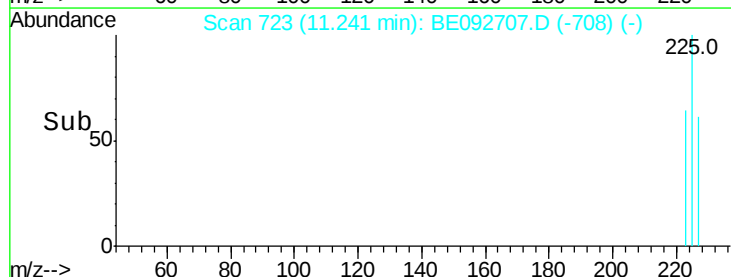
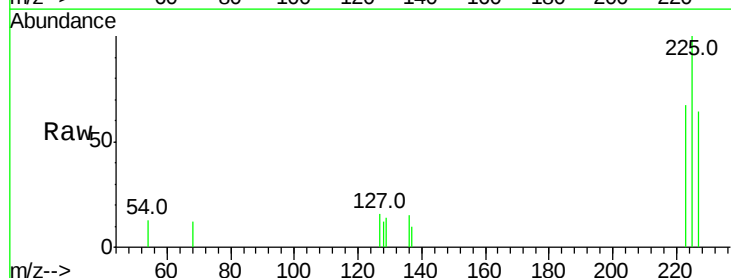
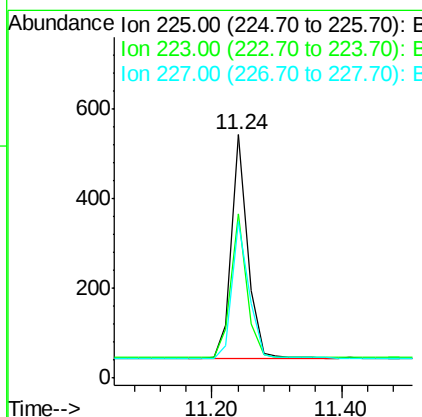
RT: 11.24 min Scan# 723

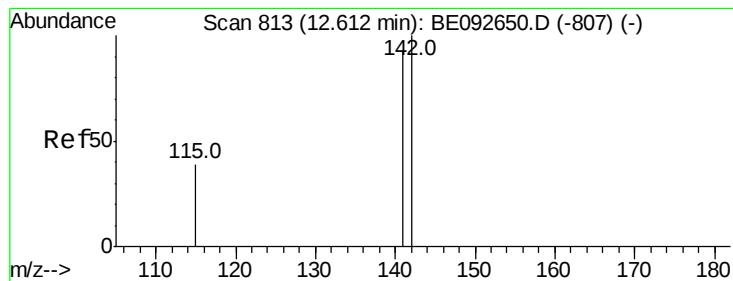
Delta R.T. -0.02 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Tgt Ion:	225	Resp:	856
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.6	76.0
227	63.3	51.4	77.0





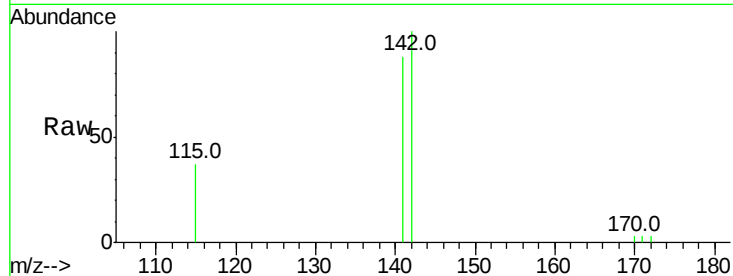
#11
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.59 min Scan# 811
Delta R.T. -0.02 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	73.7	110.5
115	37.4	34.0	51.0

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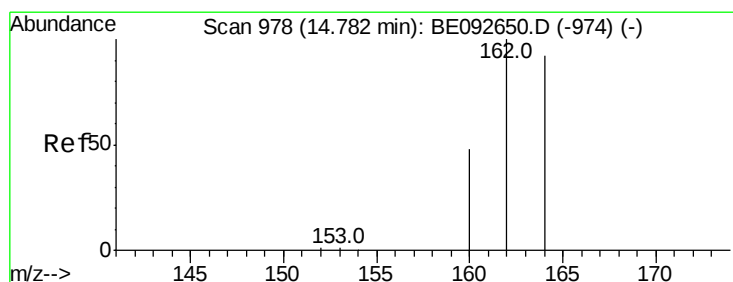
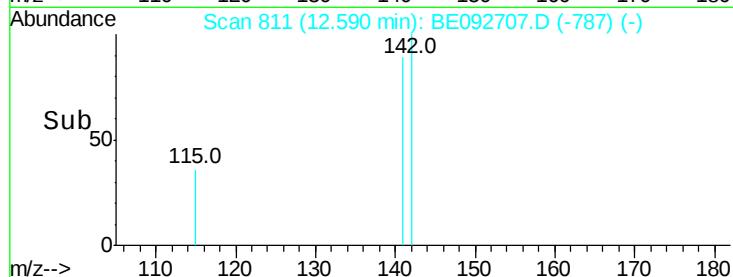
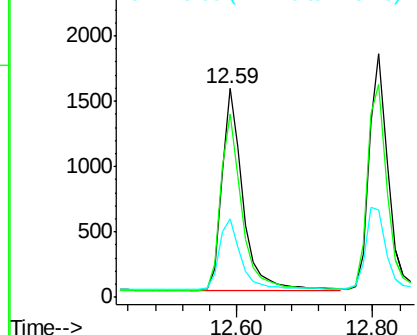


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 977
Delta R.T. -0.00 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

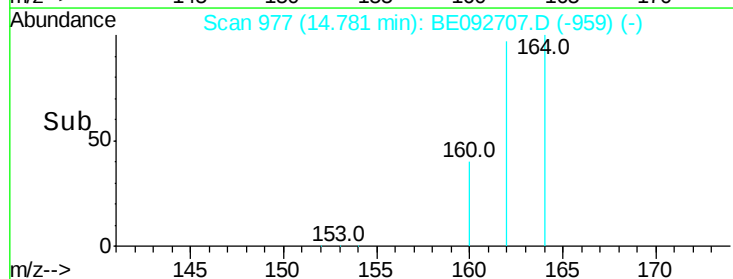
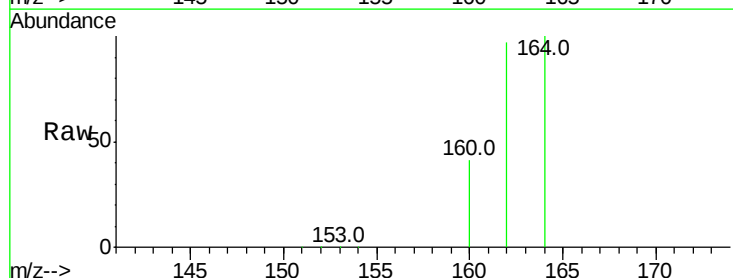
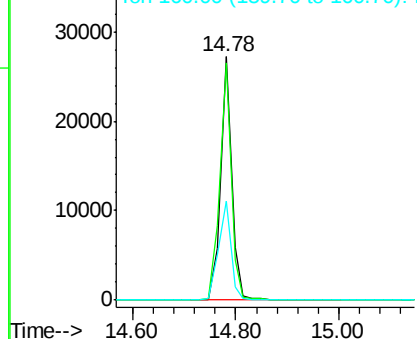
Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.3	71.4	107.0
160	40.6	27.4	41.2

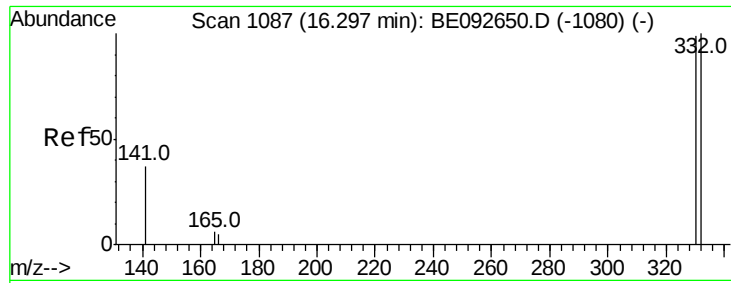
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





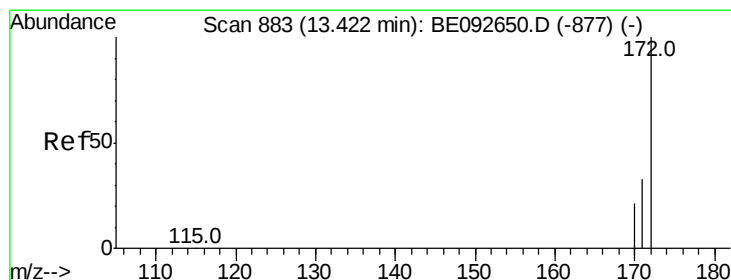
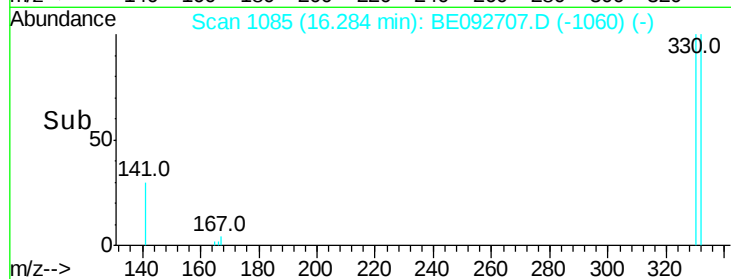
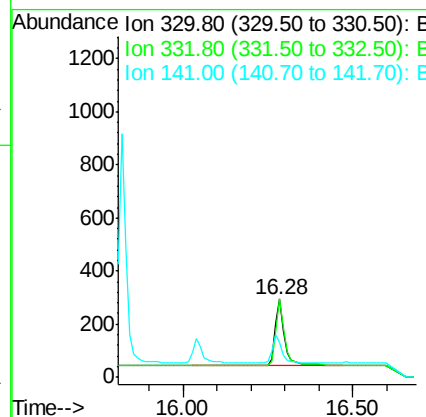
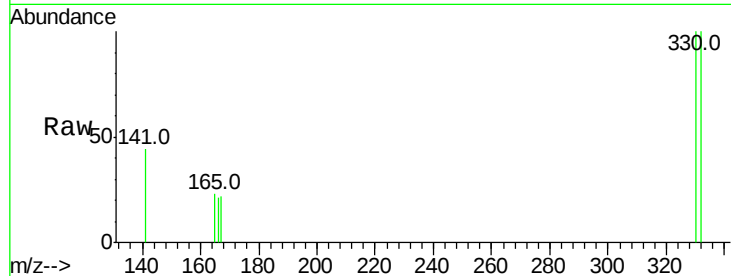
#13
 2,4,6-Tribromophenol
 Concen: 0.52 ng
 RT: 16.28 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: BE092707.D
 Acq: 1 Feb 2017 9:58

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.3	75.4	113.0
141	43.5	31.0	46.6

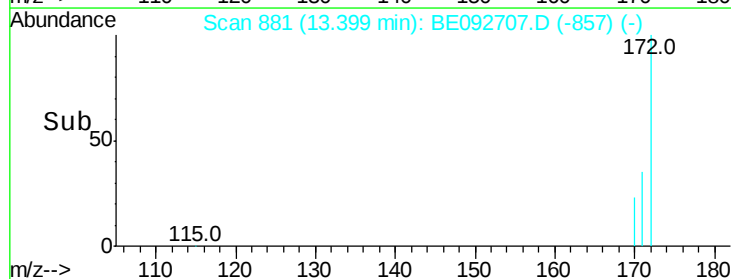
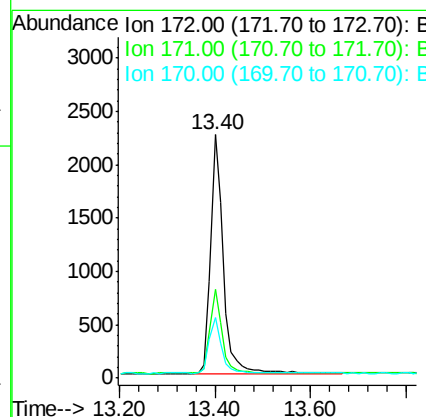
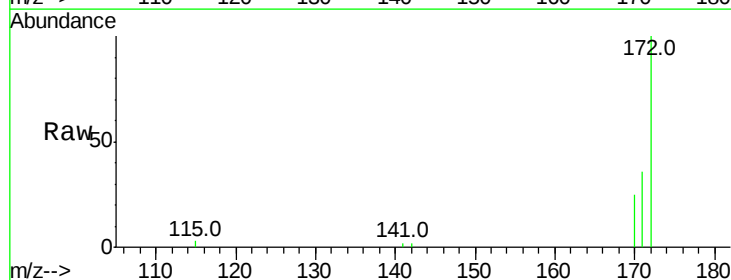
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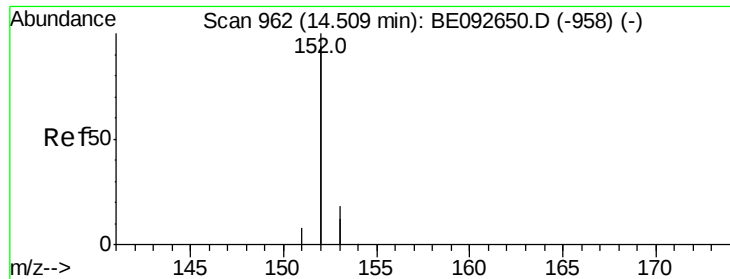
mohammad
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#14
 2-Fluorobiphenyl
 Concen: 0.42 ng
 RT: 13.40 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BE092707.D
 Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.1	45.1
170	24.9	21.8	32.6





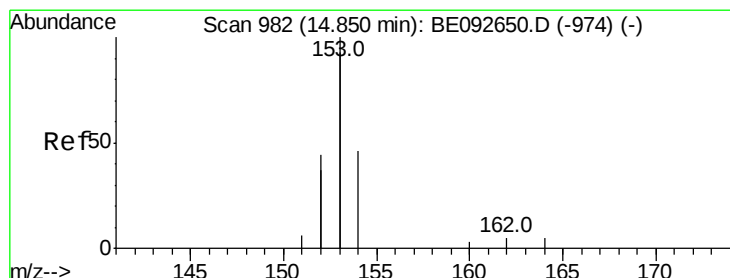
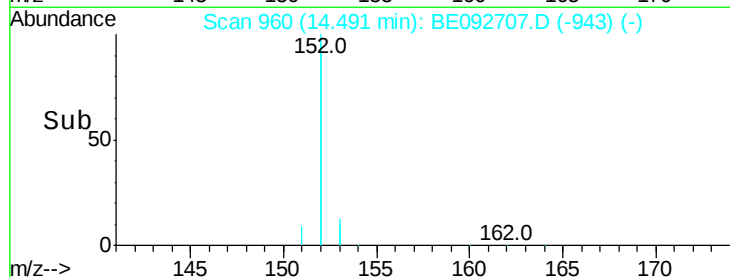
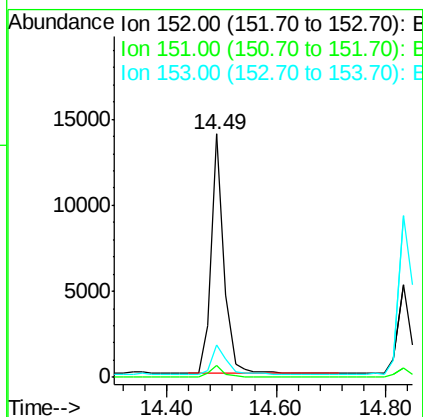
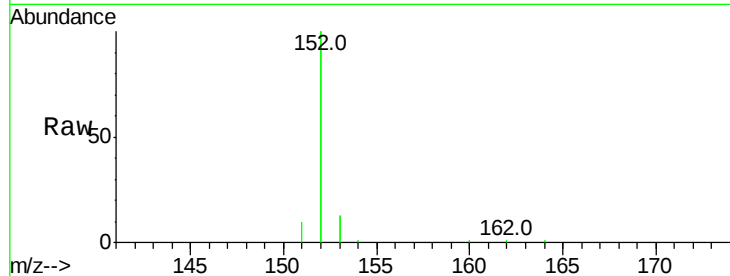
#15
Acenaphthylene
Concen: 0.41 ng
RT: 14.49 min Scan# 960
Delta R.T. -0.02 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	12.9	10.4	15.6

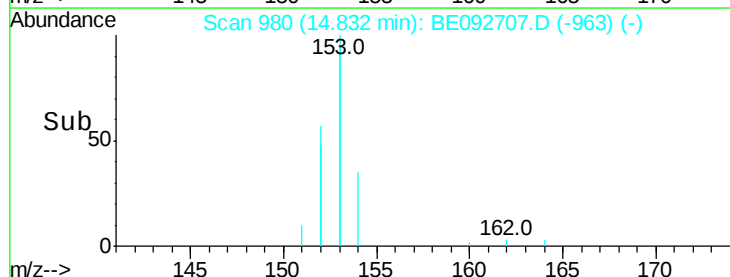
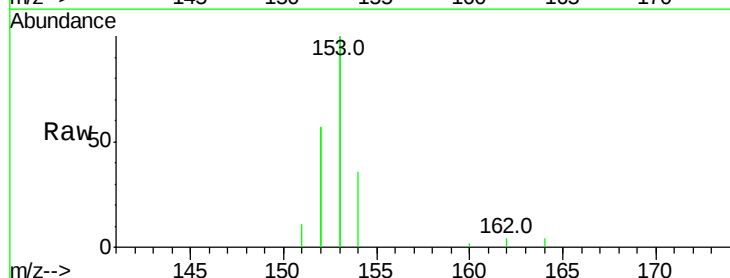
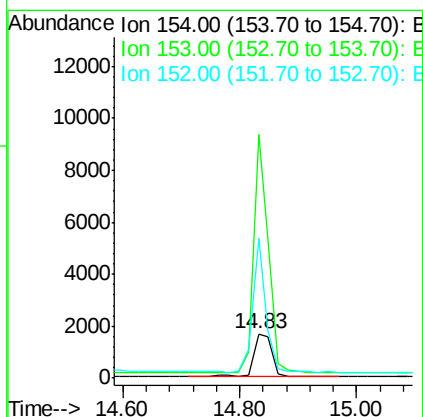
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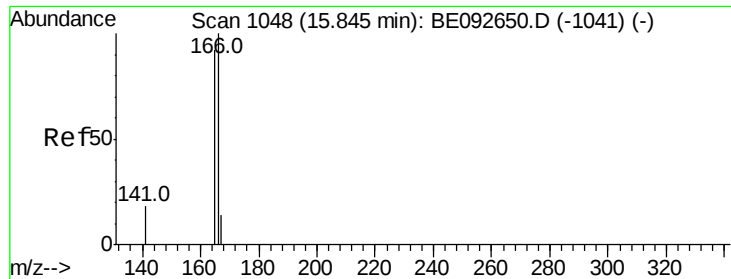
mohammad
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#16
Acenaphthene
Concen: 0.41 ng
RT: 14.83 min Scan# 980
Delta R.T. -0.02 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	441.7	350.8	526.2
152	223.2	171.1	256.7





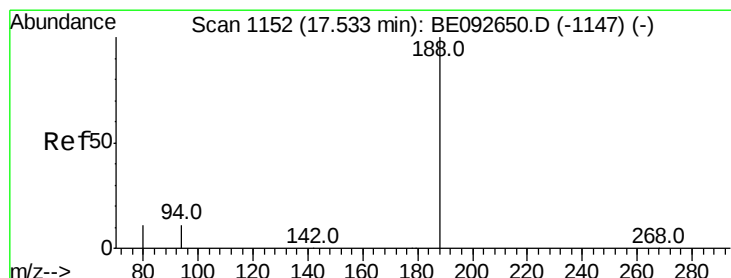
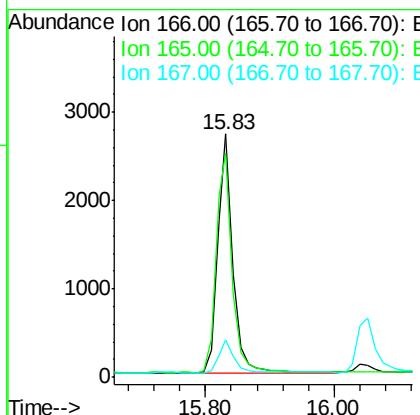
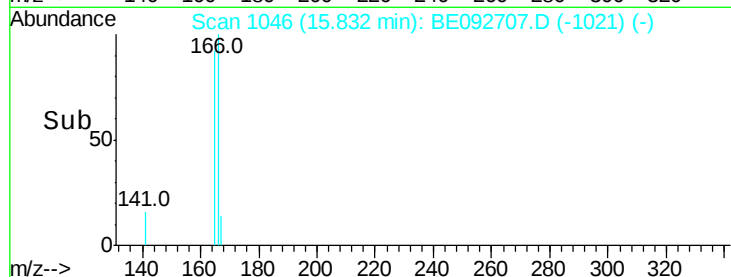
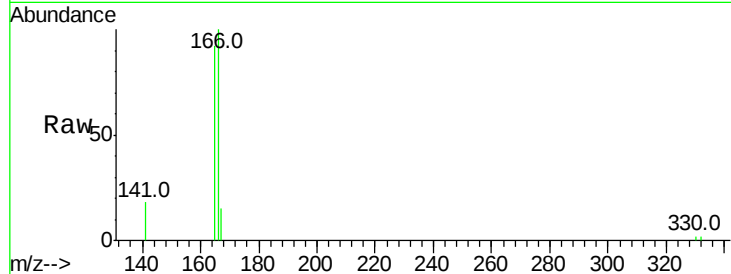
#17
Fluorene
 Concen: 0.40 ng
 RT: 15.83 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BE092707.D
 Acq: 1 Feb 2017 9:58

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.4
167	13.2	11.0	16.4

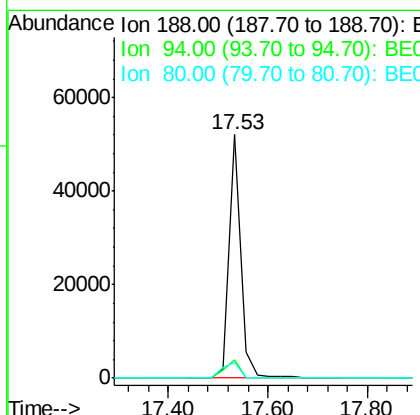
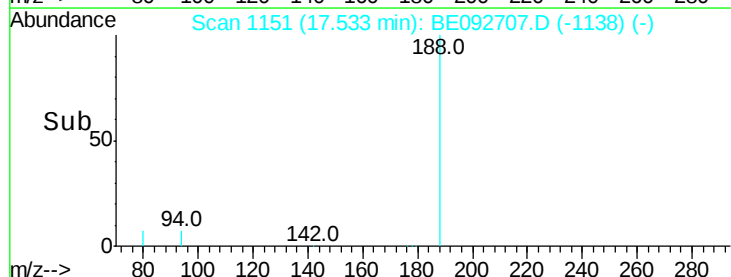
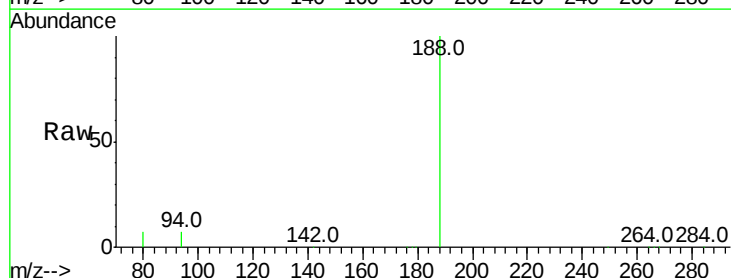
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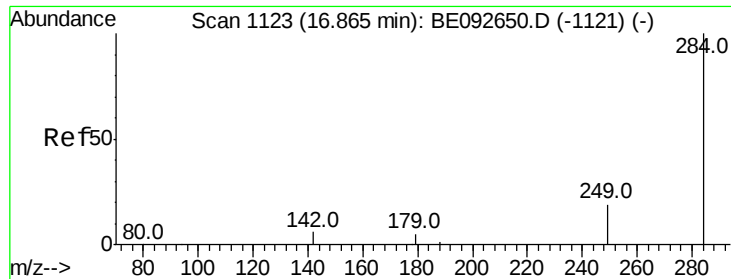
mohammad
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.53 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: BE092707.D
 Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	3.2	4.8#
80	6.7	2.6	3.8#





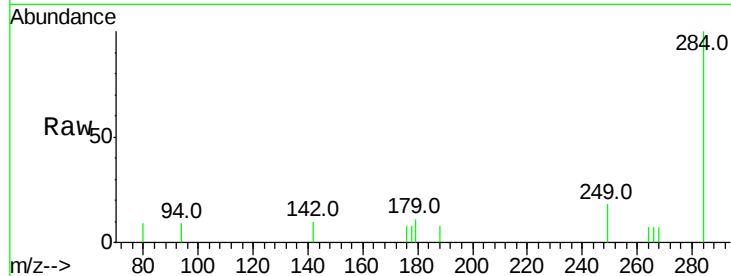
#19
Hexachlorobenzene
Concen: 0.37 ng/ml
RT: 16.87 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

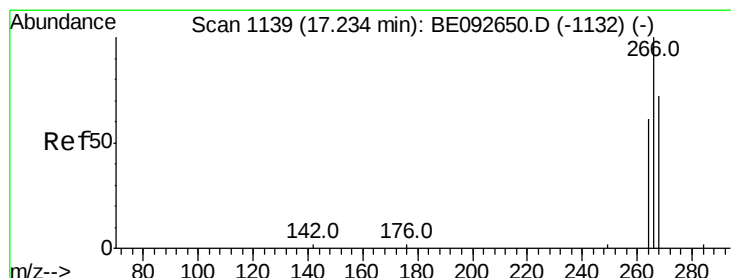
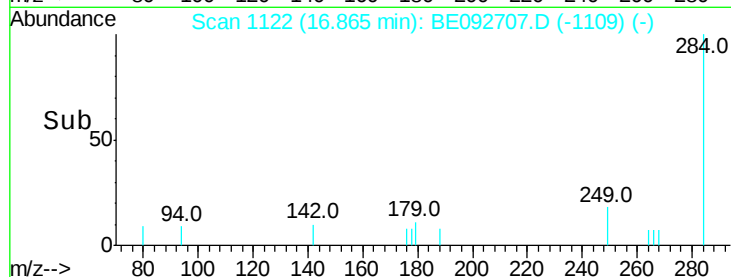
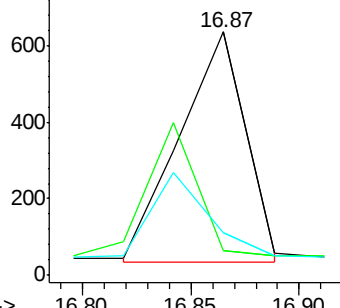
Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	0.0	27.9	41.9#

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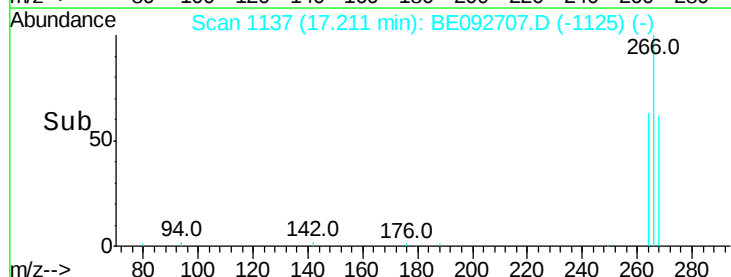
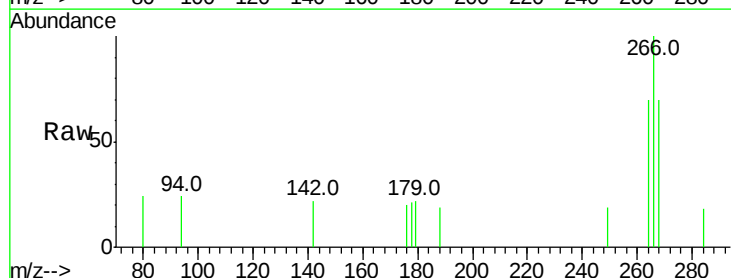
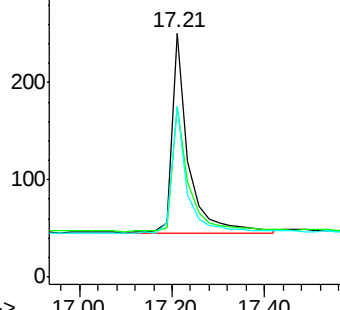
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

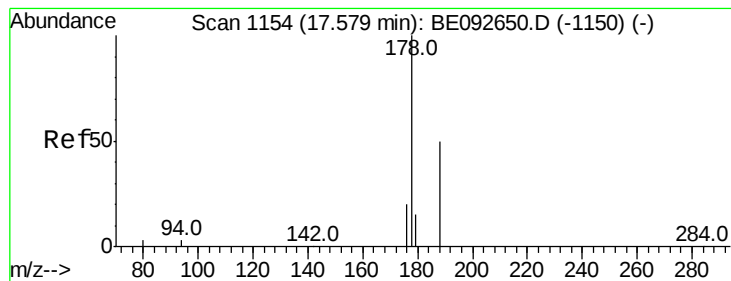


#20
Pentachlorophenol
Concen: 0.59 ng/ml
RT: 17.21 min Scan# 1137
Delta R.T. -0.02 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Lower	Upper
266	100		
268	69.7	62.5	93.7
264	69.7	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: 0.39 ng

RT: 17.58 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Instrument :

BNA_E

ClientSampleId :

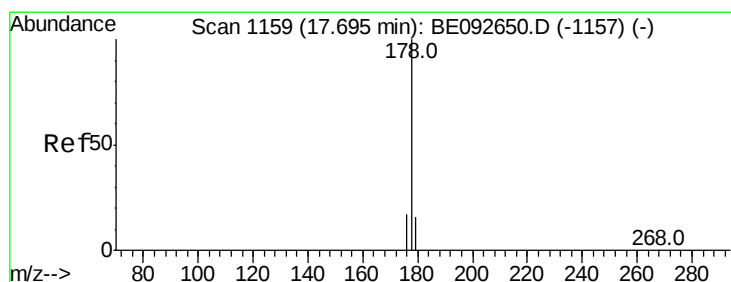
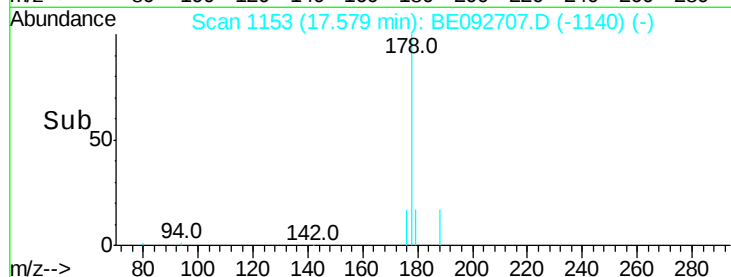
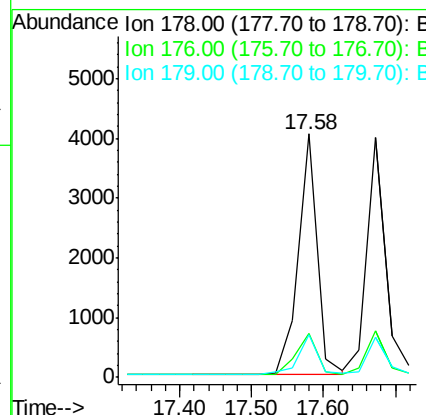
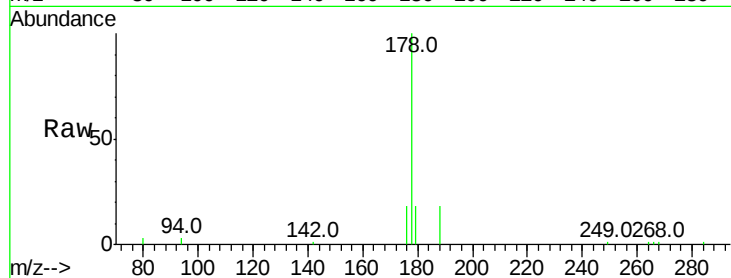
SSTDCCC0.4

Tot Ion:178 Resp: 7259

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	16.3	16.0	24.0

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#22

Anthracene

Concen: 0.42 ng

RT: 17.67 min Scan# 1157

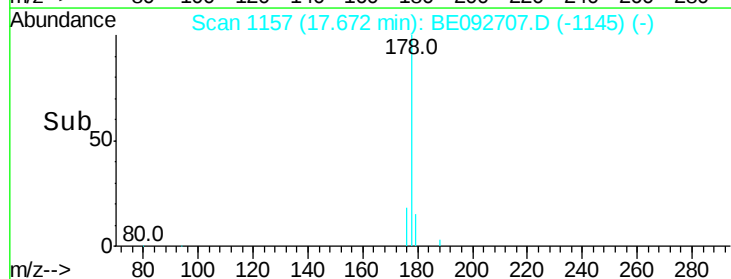
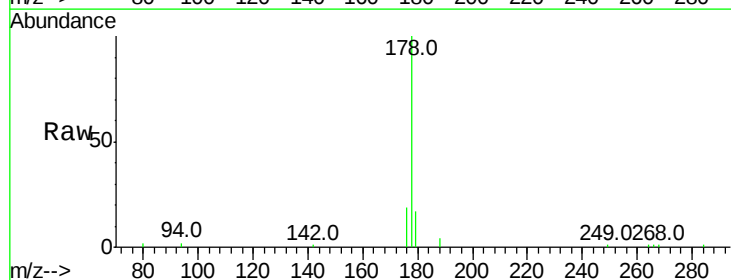
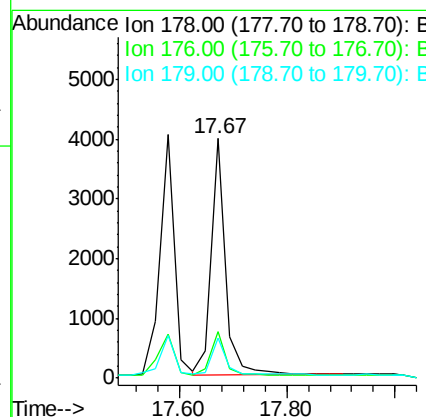
Delta R.T. -0.02 min

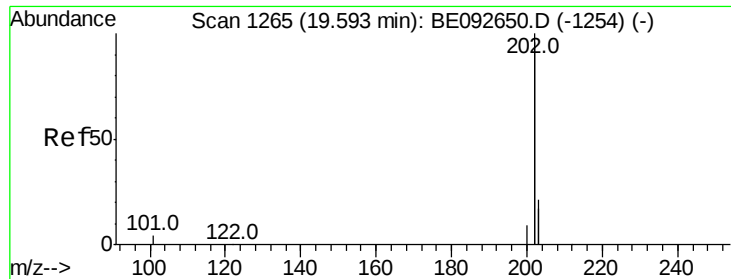
Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Tgt Ion:178 Resp: 7326

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.8	12.2	18.2





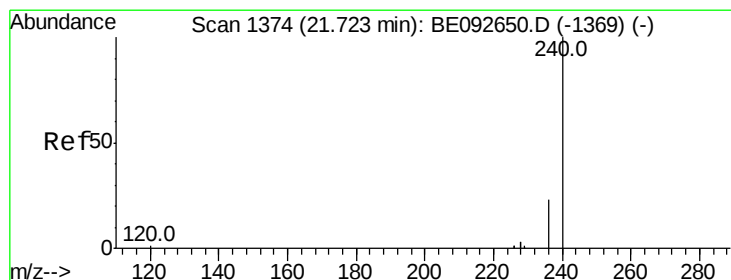
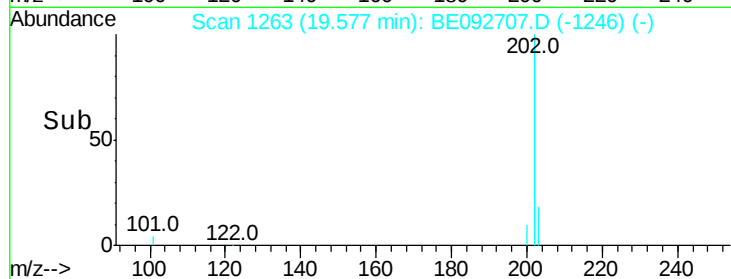
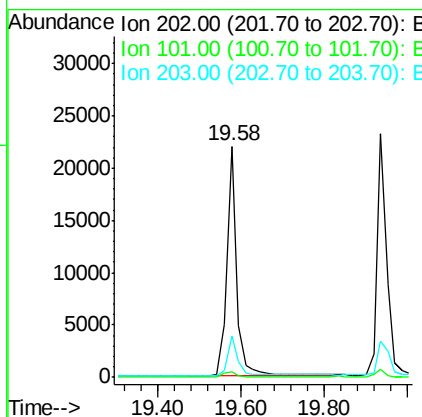
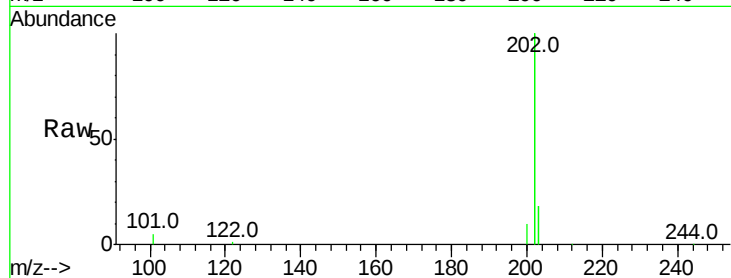
#23
 Fluoranthene
 Concen: 0.42 ng
 RT: 19.58 min Scan# 1263
 Delta R.T. -0.02 min
 Lab File: BE092707.D
 Acq: 1 Feb 2017 9:58

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tot Ion	Ratio	Resp	Lower	Upper
202	100	34900		
101	2.9		2.2	3.4
203	17.5		13.7	20.5

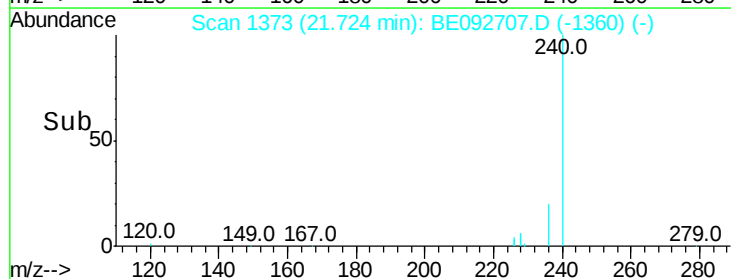
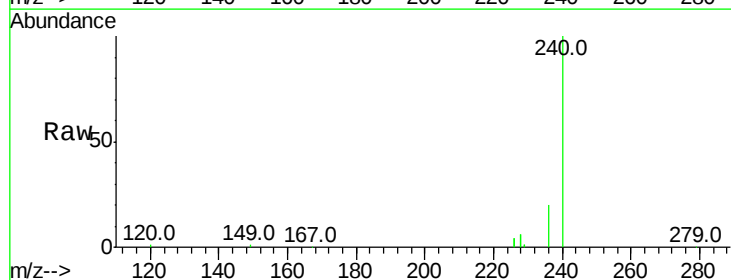
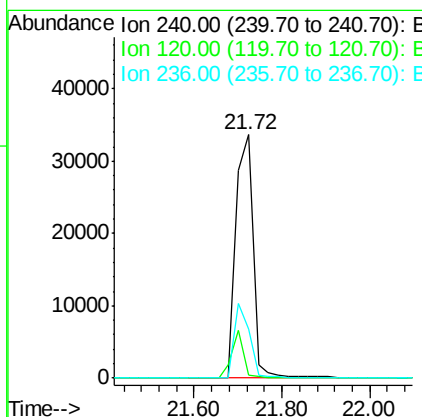
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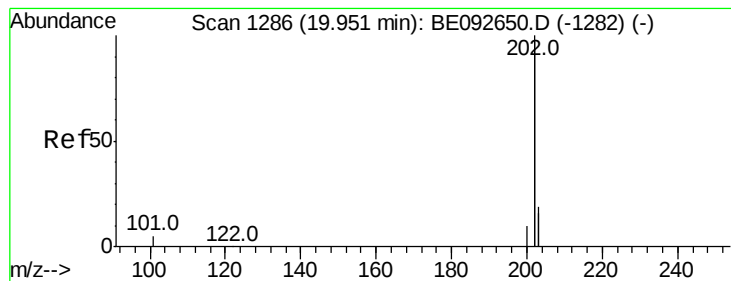
mohammad
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#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.72 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092707.D
 Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	89700		
120	1.1		2.6	4.0#
236	20.4		24.6	37.0#





#25

Pvrene

Concen: 0.42 ng

RT: 19.93 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Instrument :

BNA_E

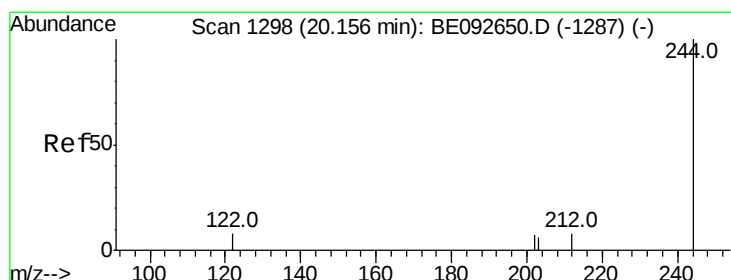
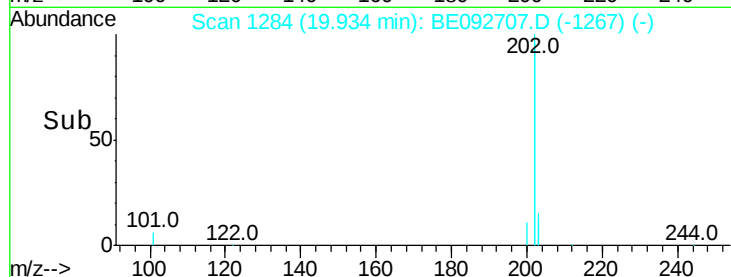
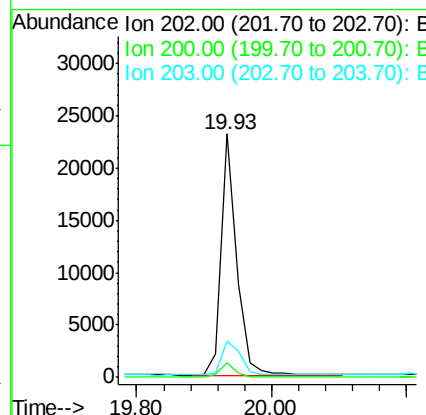
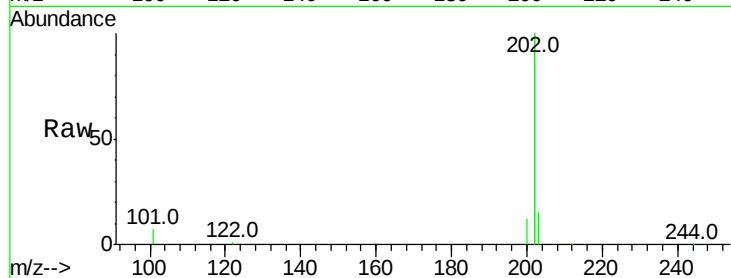
ClientSampleId :

SSTDCCC0.4

Tot Ion:	202	Resp:	36744
Ion Ratio	Lower	Upper	
202	100		
200	5.4	4.2	6.4
203	17.5	13.9	20.9

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#26

Terphenyl-d14

Concen: 0.42 ng

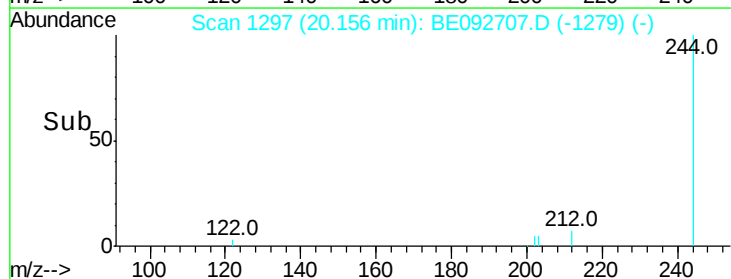
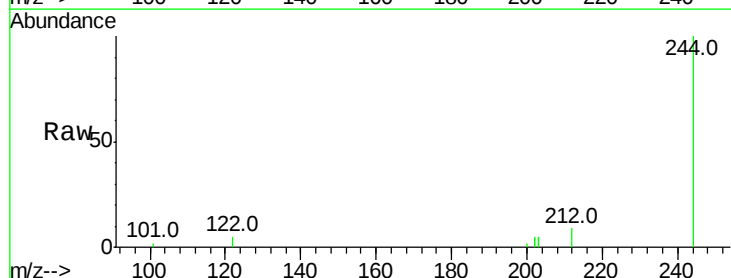
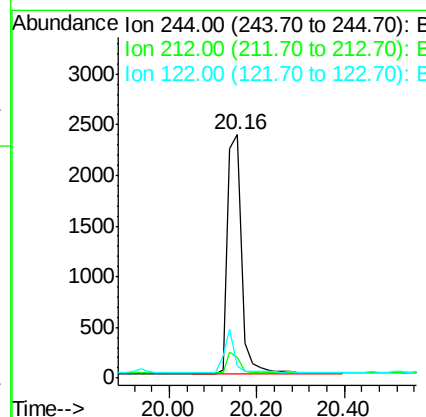
RT: 20.16 min Scan# 1297

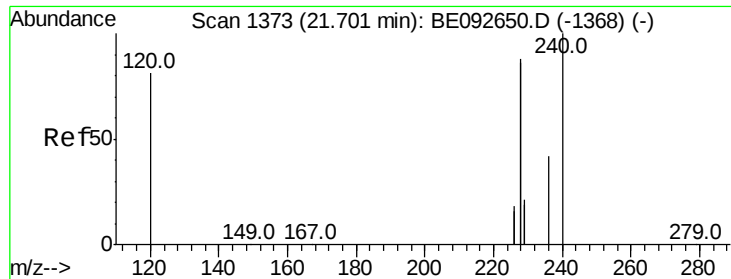
Delta R.T. 0.00 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Tgt Ion:	244	Resp:	5342
Ion Ratio	Lower	Upper	
244	100		
212	8.5	6.7	10.1
122	4.9	3.6	5.4





#27

Benzo(a)anthracene

Concen: 0.46 ng

RT: 21.70 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Instrument :

BNA_E

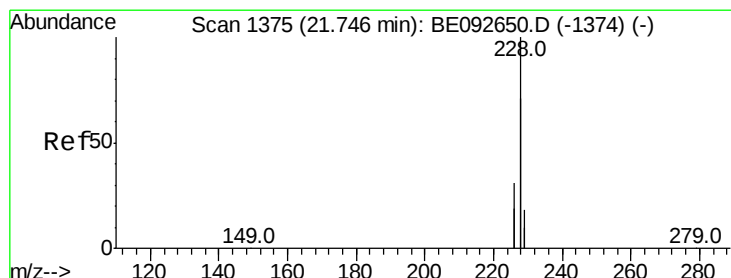
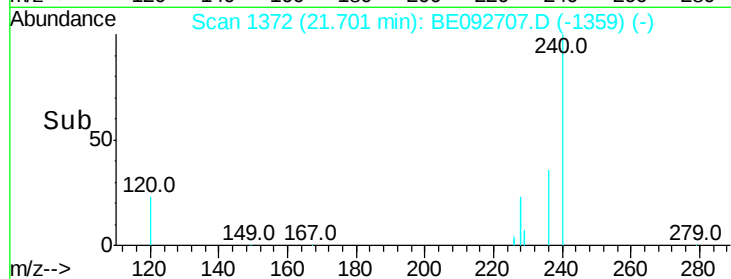
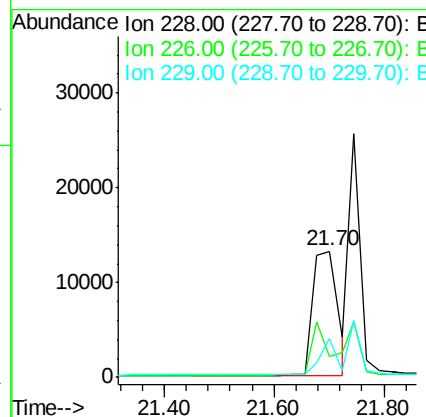
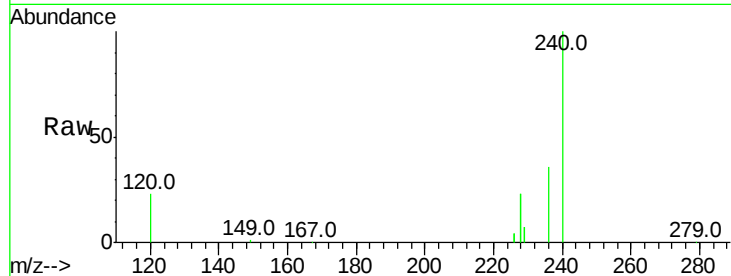
ClientSampleId :

SSTDCCC0.4

Tot Ion	Ratio	Lower	Upper
228	100		
226	16.9	23.6	35.4#
229	30.5	13.3	19.9#

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#28

Chrysene

Concen: 0.38 ng m

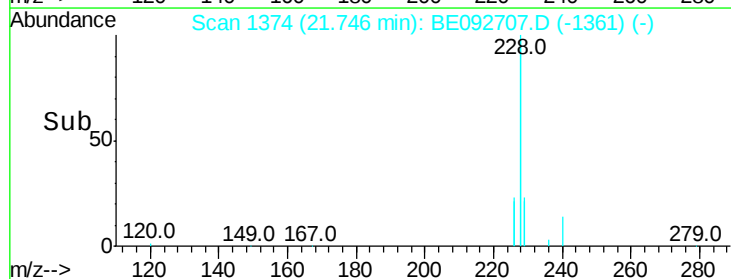
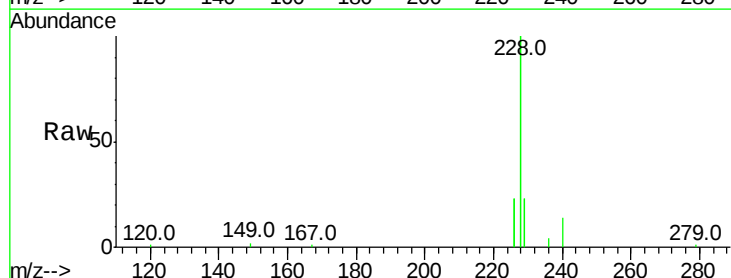
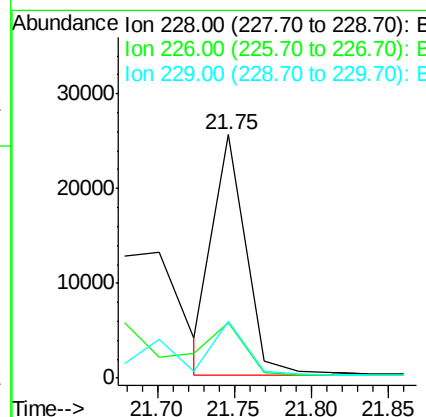
RT: 21.75 min Scan# 1374

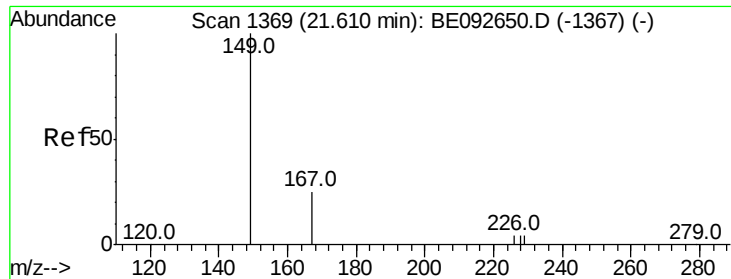
Delta R.T. 0.00 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	22.7	36.3	54.5#
229	23.3	10.6	16.0#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.82 ng

RT: 21.61 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Instrument :

BNA_E

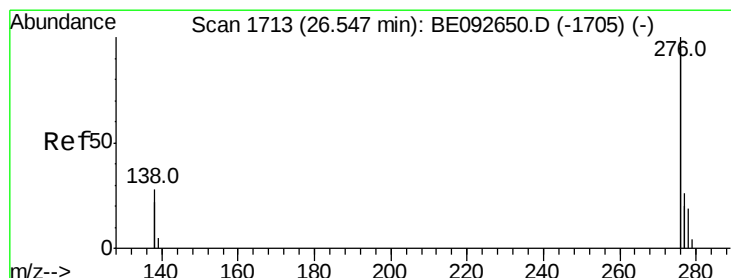
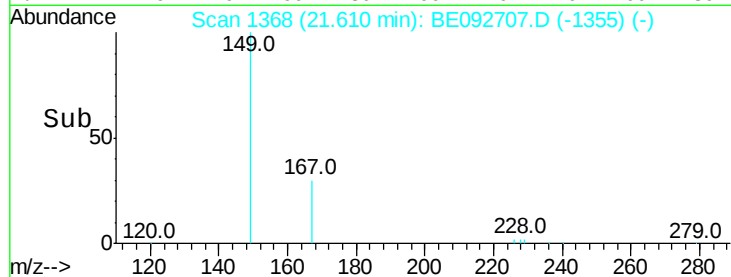
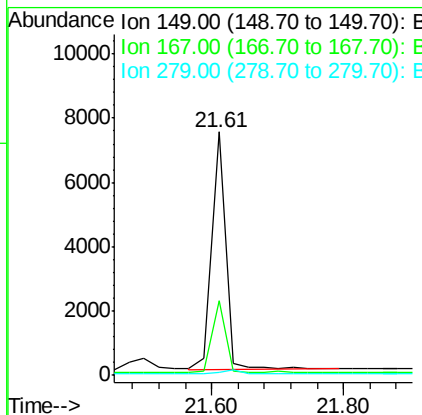
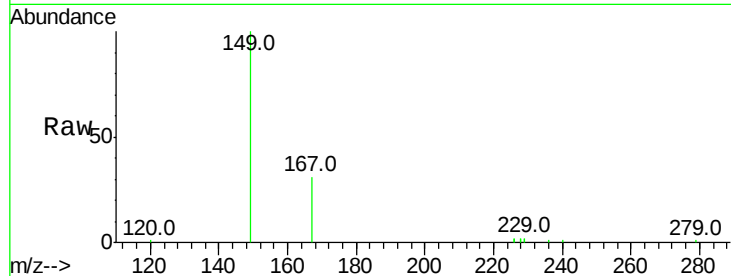
ClientSampleId :

SSTDCCC0.4

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.3	16.0	24.0#
279	0.0	16.0	24.0#

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#30

Indeno(1,2,3-cd)pyrene

Concen: 0.46 ng

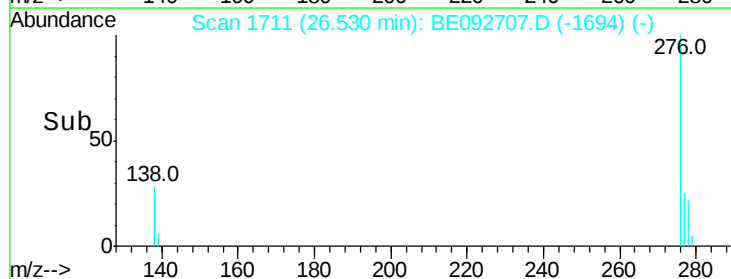
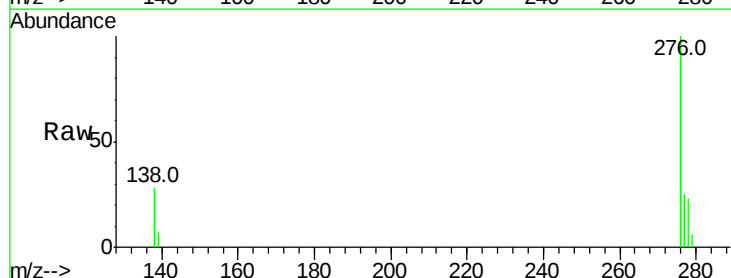
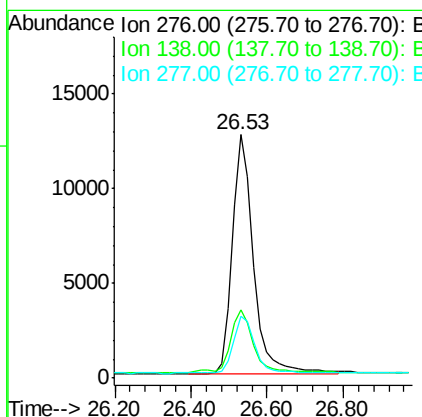
RT: 26.53 min Scan# 1711

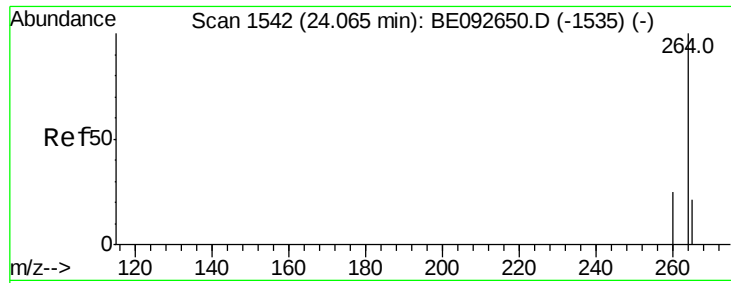
Delta R.T. -0.02 min

Lab File: BE092707.D

Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.2	20.3	30.5
277	24.9	19.7	29.5





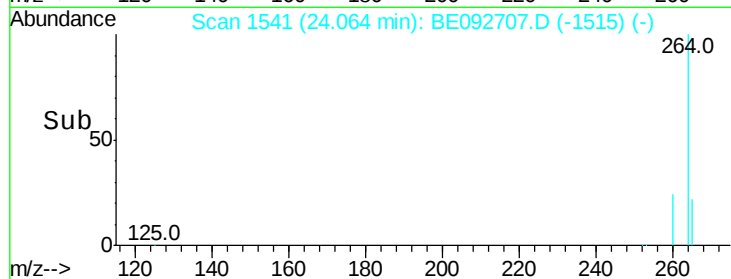
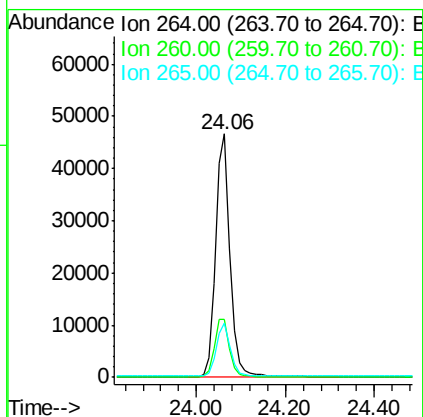
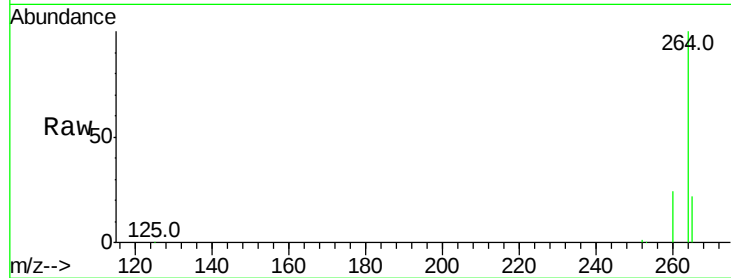
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1541
Delta R.T. -0.00 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.1	20.1	30.1	
265	22.4	17.9	26.9	

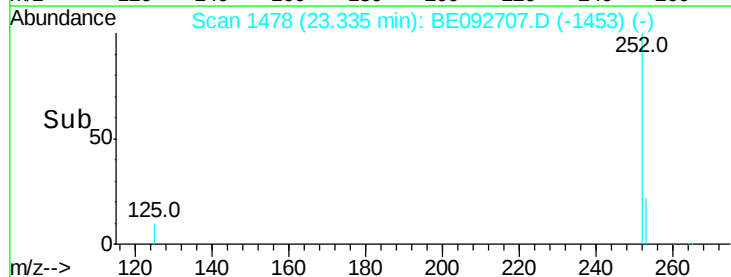
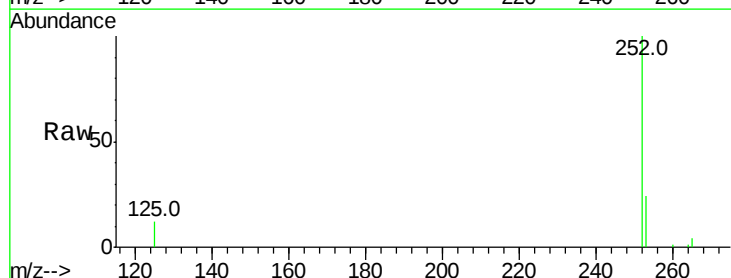
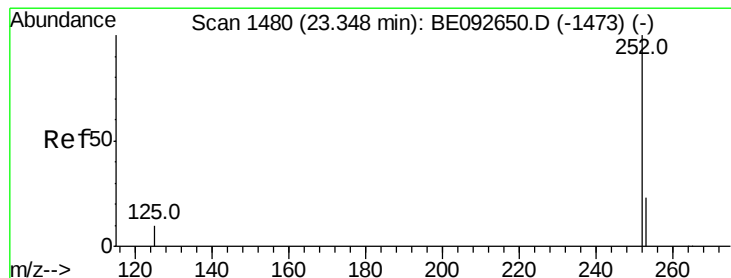
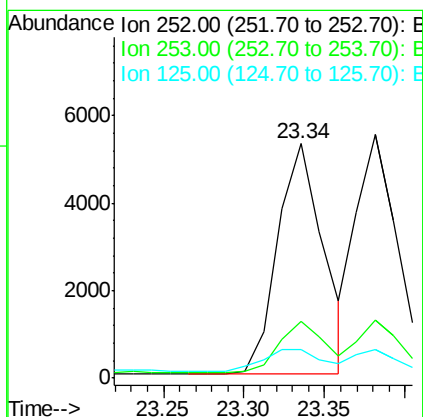
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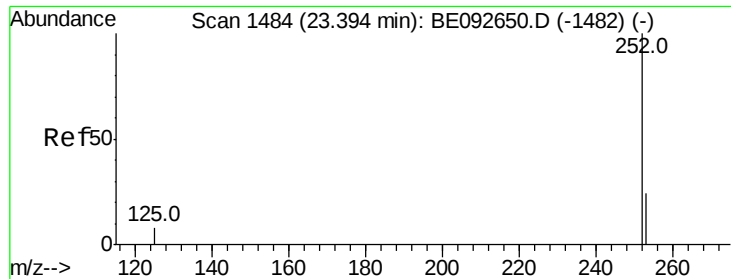
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#32
Benzo(b)fluoranthene
Concen: 0.41 ng
RT: 23.34 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.4	18.7	28.1	
125	12.4	10.5	15.7	





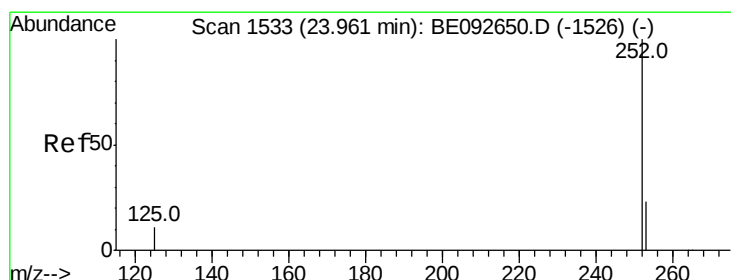
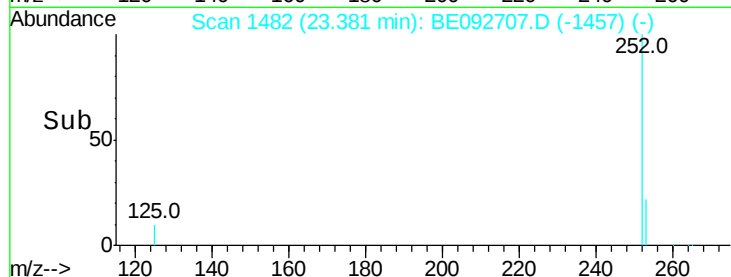
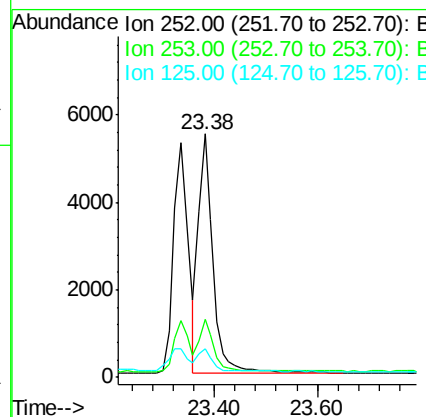
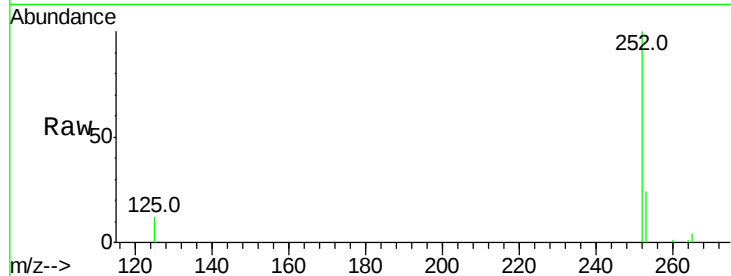
#33
Benzo(k)fluoranthene
Concen: 0.42 ng
RT: 23.38 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	20.3	30.5
125	11.8	9.6	14.4

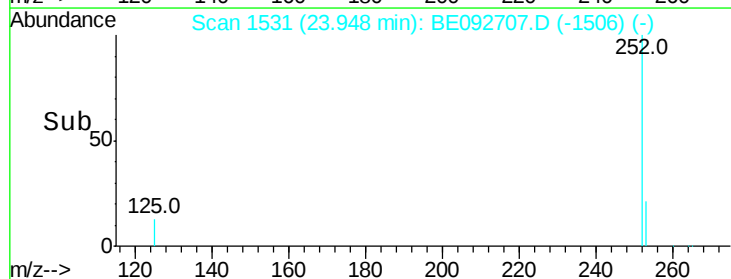
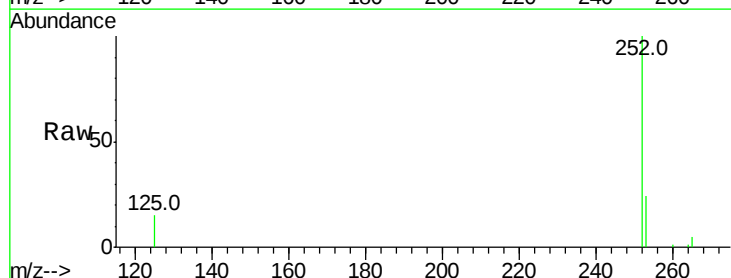
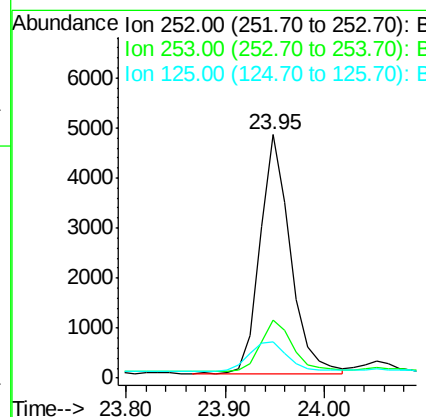
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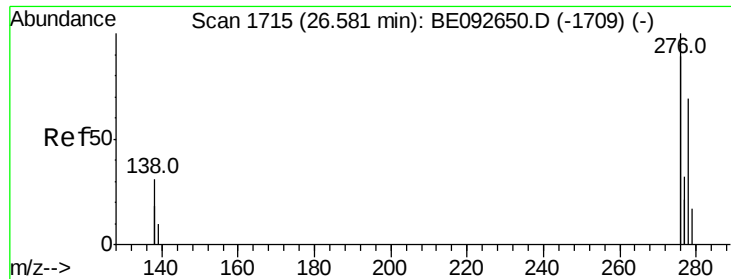
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#34
Benzo(a)pyrene
Concen: 0.42 ng
RT: 23.95 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.0	28.6
125	15.1	11.8	17.8





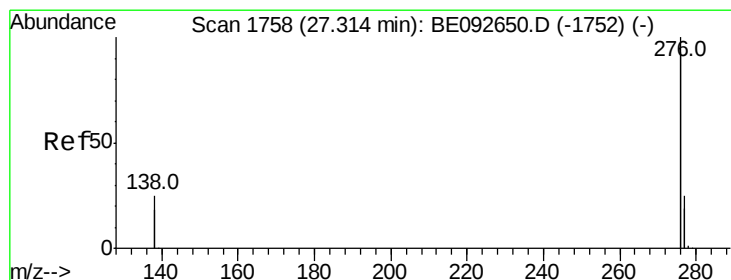
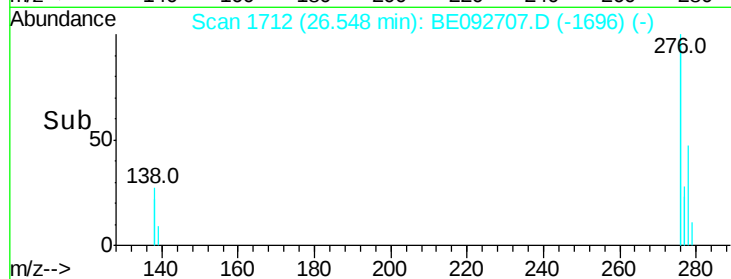
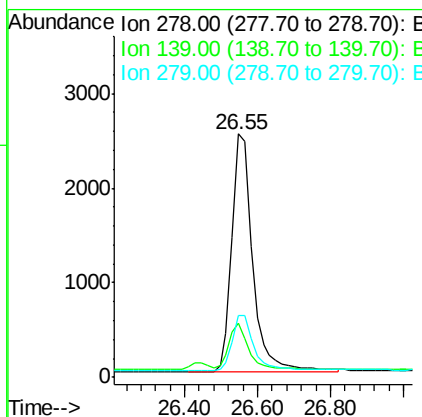
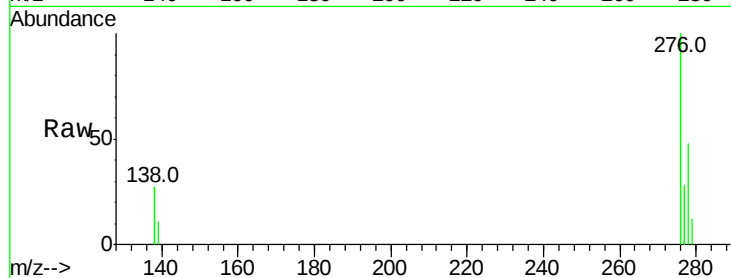
#35
Dibenzo(a,h)anthracene
Concen: 0.43 ng
RT: 26.55 min Scan# 1712
Delta R.T. -0.03 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.1	13.8	20.8#
279	25.3	21.4	32.2

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#36
Benzo(g,h,i)perylene
Concen: 0.42 ng
RT: 27.30 min Scan# 1756
Delta R.T. -0.02 min
Lab File: BE092707.D
Acq: 1 Feb 2017 9:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.8	29.8
138	23.5	19.8	29.6

