

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013117\
 Data File : BE092701.D
 Acq On : 31 Jan 2017 23:58
 Operator : SJ/MA
 Sample : I1505-03 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-01B

Manual Integrations
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Quant Time: Feb 01 03:16:11 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	8.14	152	10878	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	53944	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	35977	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	76467	5.00	ng	0.00
24) Chrysene-d12	21.72	240	69464	5.00	ng	0.00
31) Perylene-d12	24.07	264	80427	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	2239	0.92	ng	0.00
5) Phenol-d6	7.31	99	2825	0.95	ng	-0.02
8) Nitrobenzene-d5	9.36	82	1248m	0.36	ng	0.02
13) 2,4,6-Tribromophenol	16.31	330	643	0.73	ng	0.01
14) 2-Fluorobiphenyl	13.42	172	3661	0.41	ng	0.00
26) Terphenyl-d14	20.14	244	4804	0.49	ng	-0.02
Target Compounds						
9) Naphthalene	10.97	128	781	0.07	ng	# 68
11) 2-Methylnaphthalene	12.64	142	203	0.03	ng	# 83
15) Acenaphthylene	14.49	152	21460	0.43	ng	99
16) Acenaphthene	14.85	154	814	0.10	ng	83
17) Fluorene	15.84	166	1065	0.11	ng	94
21) Phenanthrene	17.58	178	23171	1.37	ng	94
22) Anthracene	17.67	178	5876	0.38	ng	97
23) Fluoranthene	19.58	202	191301	2.56	ng	100
25) Pyrene	19.93	202	216392	3.16	ng	94
27) Benzo(a)anthracene	21.70	228	120288m	1.76	ng	
28) Chrysene	21.75	228	106050m	1.38	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	609	0.25	ng	# 50
30) Indeno(1,2,3-cd)pyrene	26.53	276	60735	0.73	ng	97
32) Benzo(b)fluoranthene	23.34	252	34913m	1.79	ng	
33) Benzo(k)fluoranthene	23.37	252	9089m	0.47	ng	
34) Benzo(a)pyrene	23.95	252	24473	1.34	ng	98
35) Dibenzo(a,h)anthracene	26.53	278	3870	0.22	ng	# 78
36) Benzo(g,h,i)perylene	27.30	276	66142	0.88	ng	96

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

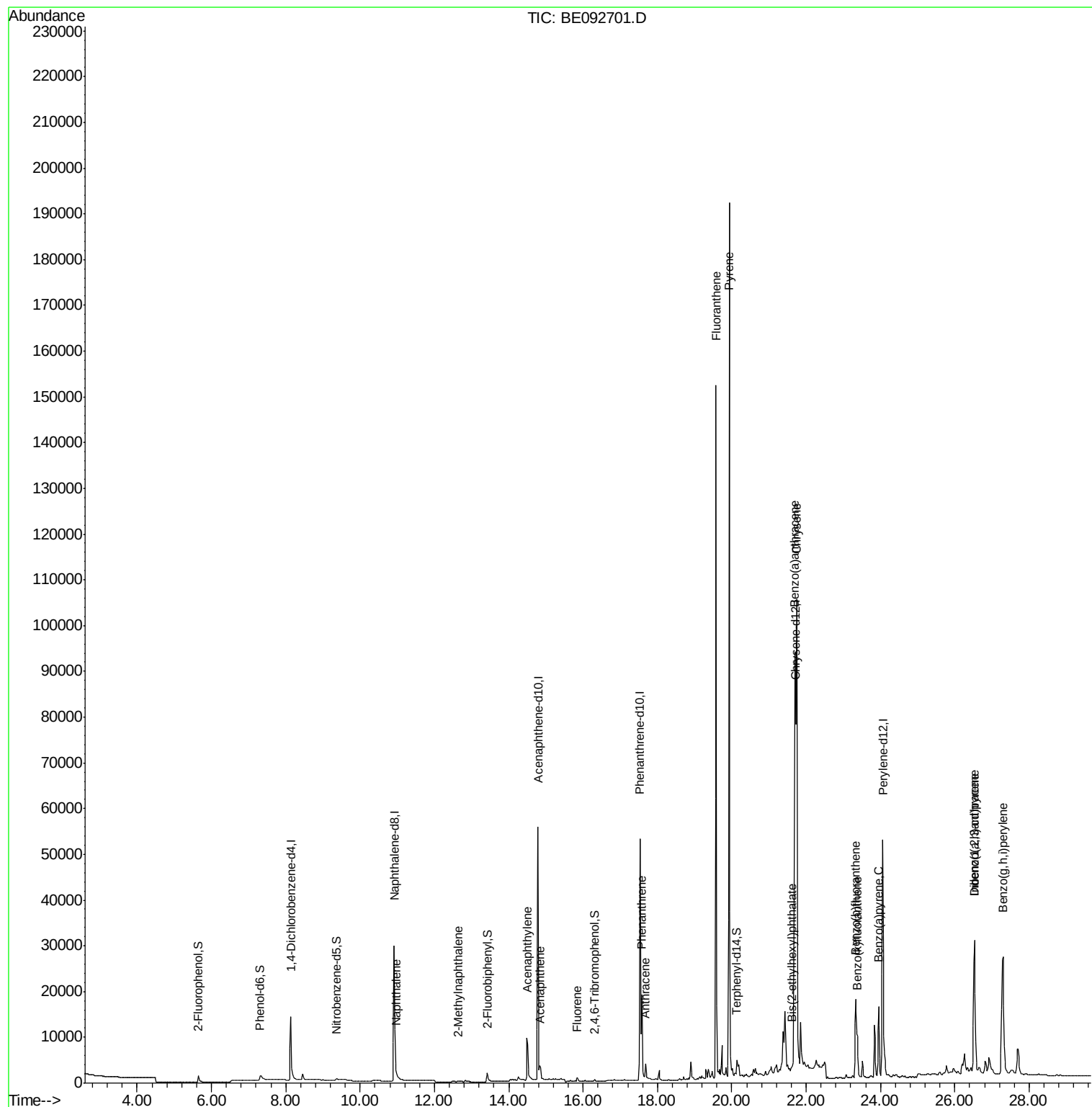
Data Path : Z:\HPCHEM1\BNA E\DATA\BE013117\
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ALS Vial : 14 Sample Multiplier: 1

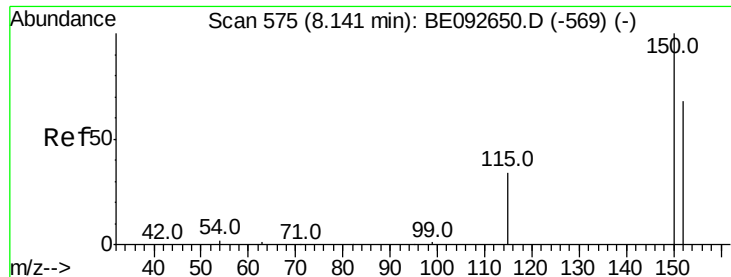
Instrument :
BNA_E
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SB-01B

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#1

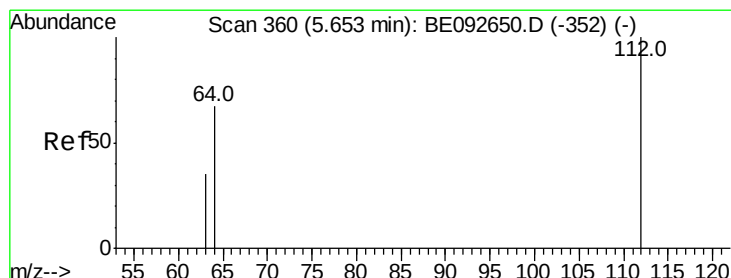
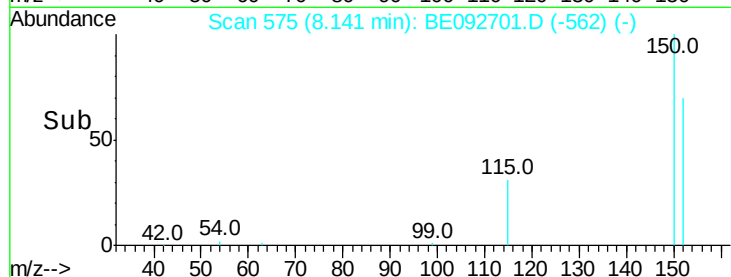
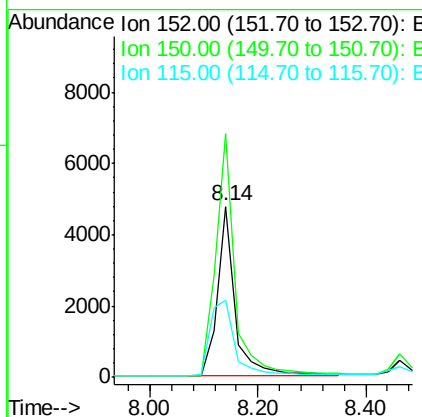
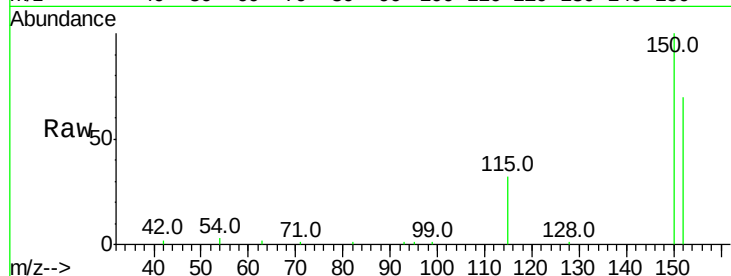
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. 0.00 min
Lab File: BE092701.D
Acq: 31 Jan 2017 23:58

Instrument :
BNA_E
ClientSampleId :
SB-01B

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.2	106.0	159.0
115	45.3	31.2	46.8

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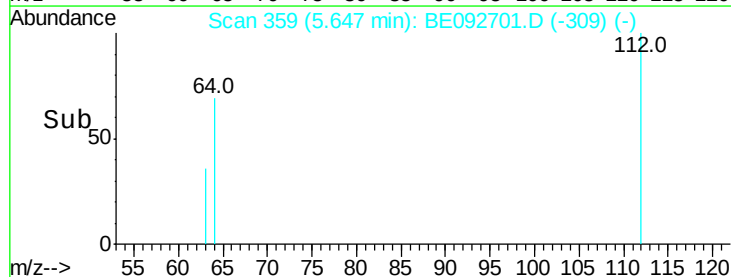
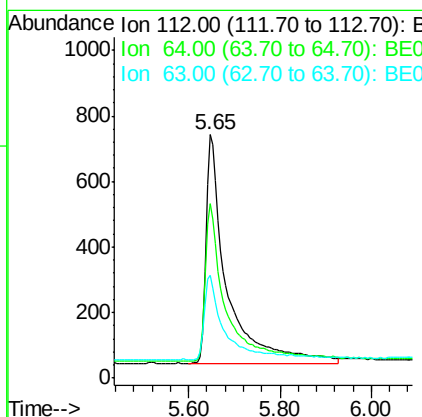
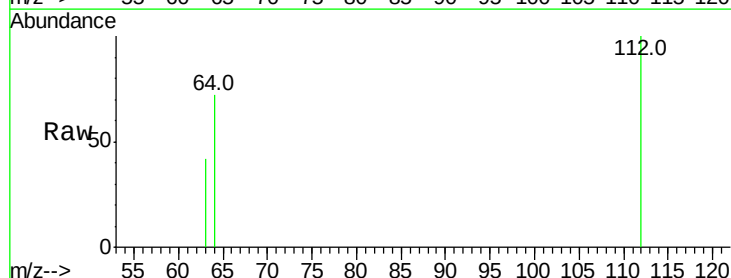
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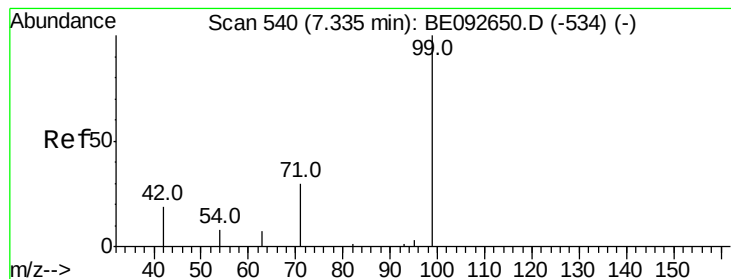


#4

2-Fluorophenol
Concen: 0.92 ng
RT: 5.65 min Scan# 359
Delta R.T. -0.01 min
Lab File: BE092701.D
Acq: 31 Jan 2017 23:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	53.5	80.3
63	34.3	27.9	41.9





#5

Phenol-d6

Concen: 0.95 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Instrument :

BNA_E

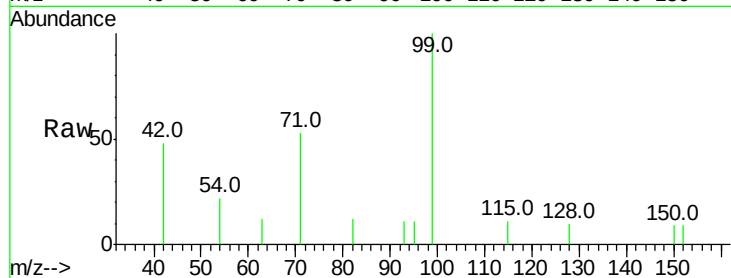
ClientSampled :

SB-01B

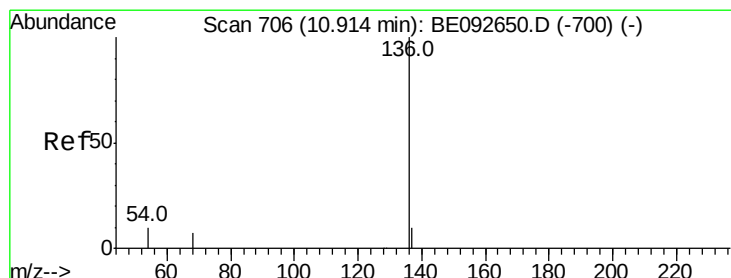
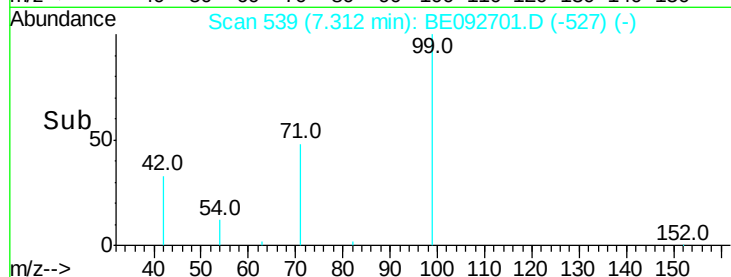
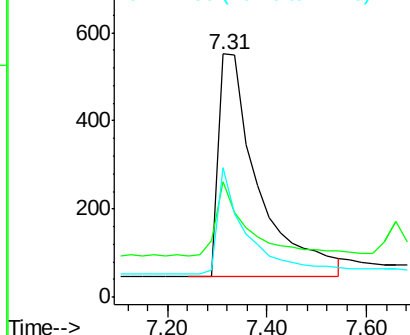
Tot Ion:	99	Resp:	2825
Ion Ratio	Lower	Upper	
99	100		
42	25.5	16.0	24.0#
71	35.2	30.6	45.8

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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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

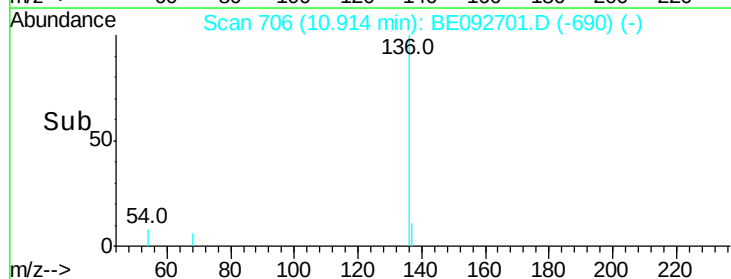
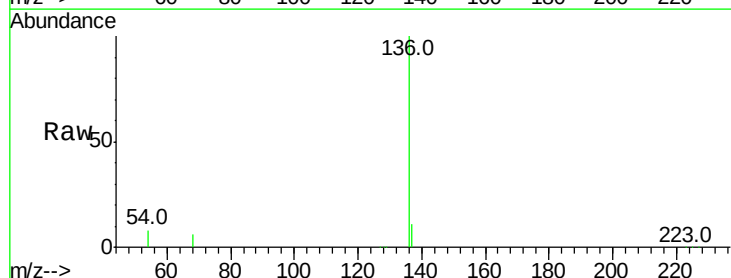
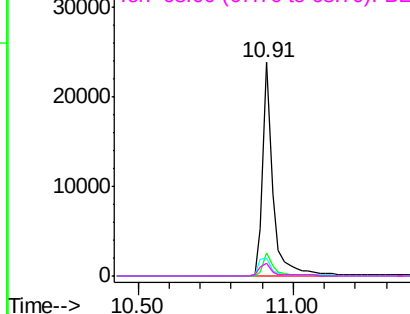
Delta R.T. 0.00 min

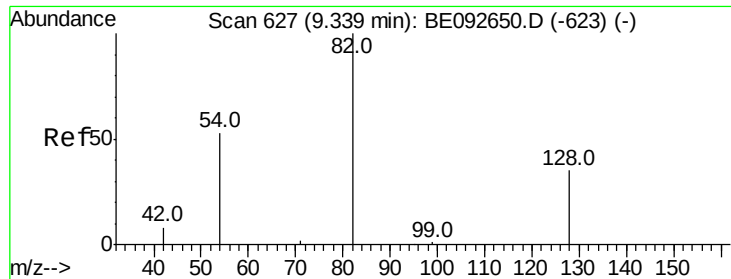
Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Tgt Ion:	136	Resp:	53944
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.2	12.4
54	8.2	9.6	14.4#
68	6.0	6.7	10.1#

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





#8

Nitrobenzene-d5

Concen: 0.36 ng/ml

RT: 9.36 min Scan# 628

Delta R.T. 0.02 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Instrument :

BNA_E

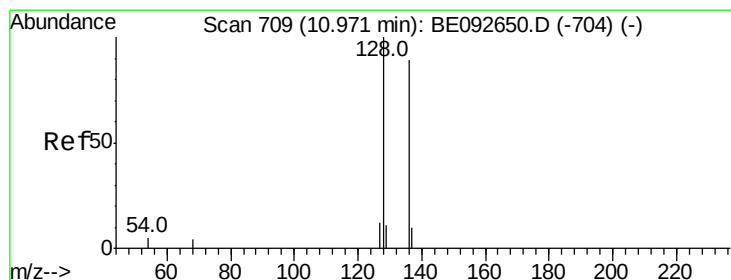
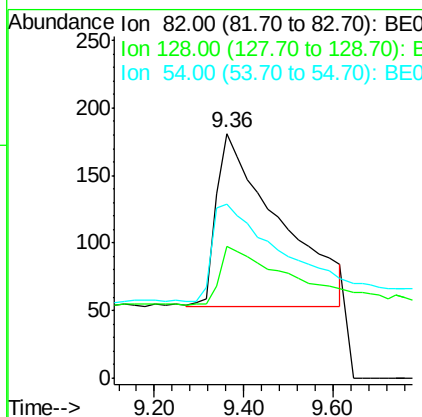
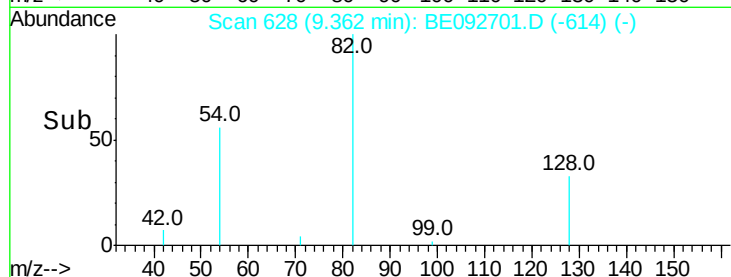
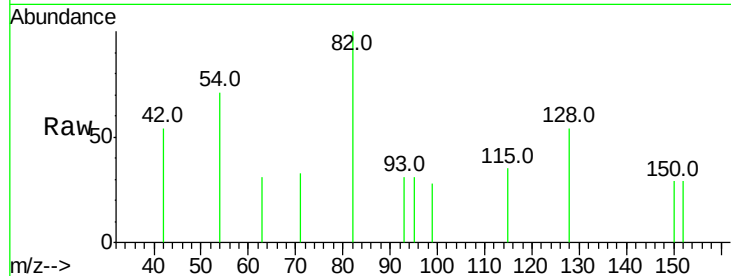
ClientSampled :

SB-01B

Tot Ion:	82	Resp:	1248
Ion Ratio	Lower	Upper	
82	100		
128	53.6	39.0	58.4
54	71.3	44.8	67.2#

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#9

Naphthalene

Concen: 0.07 ng

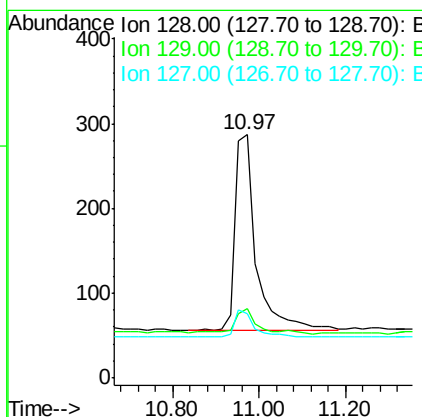
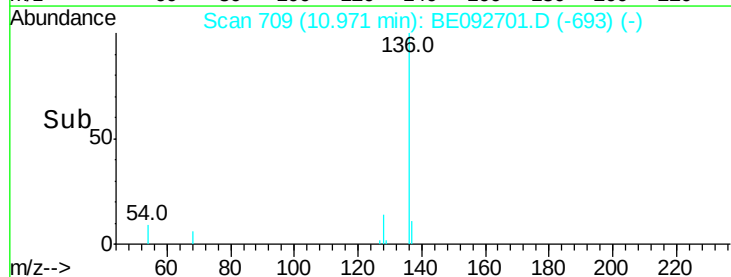
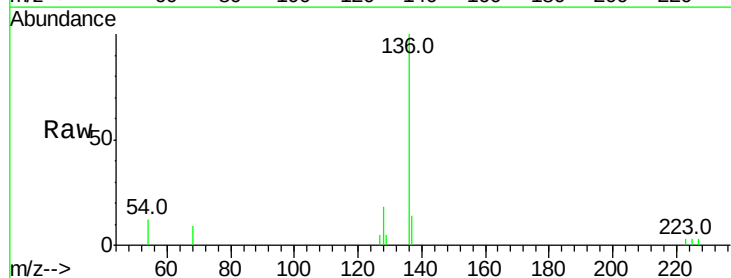
RT: 10.97 min Scan# 709

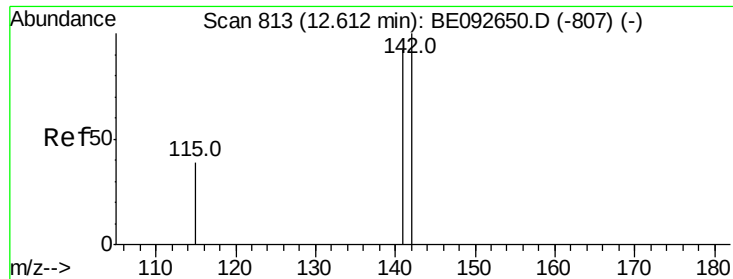
Delta R.T. 0.00 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Tgt Ion:	128	Resp:	781
Ion Ratio	Lower	Upper	
128	100		
129	28.2	11.2	16.8#
127	26.5	11.6	17.4#





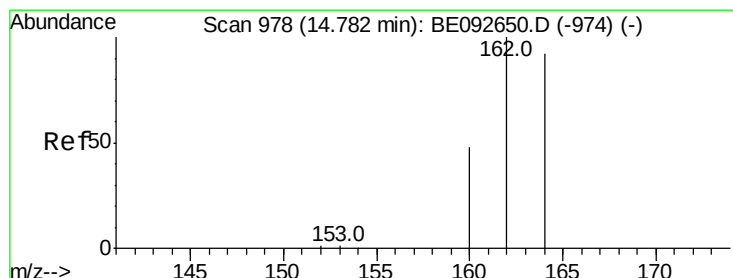
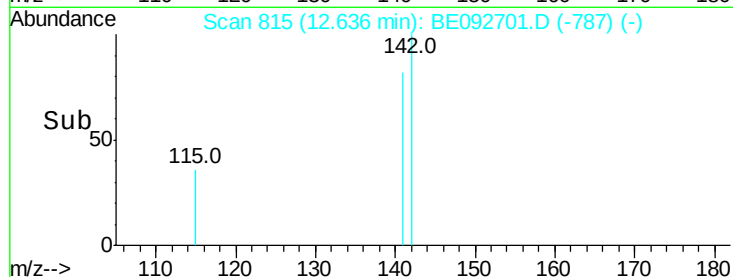
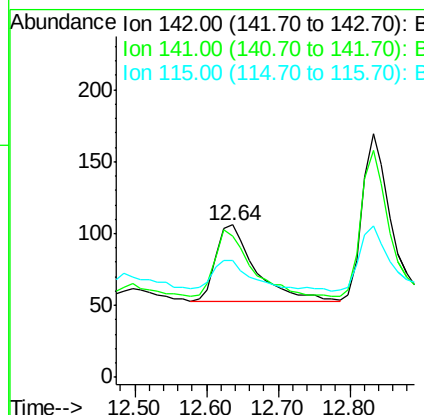
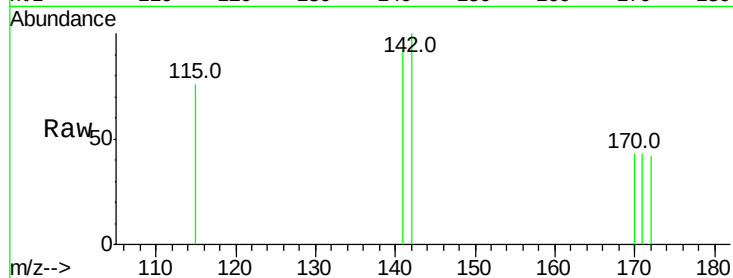
#11
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.64 min Scan# 815
Delta R.T. 0.02 min
Lab File: BE092701.D
Acq: 31 Jan 2017 23:58

Instrument :
BNA_E
ClientSampled :
SB-01B

Tot Ion:142 Resp: 203
Ion Ratio Lower Upper
142 100
141 92.5 73.7 110.5
115 76.4 34.0 51.0#

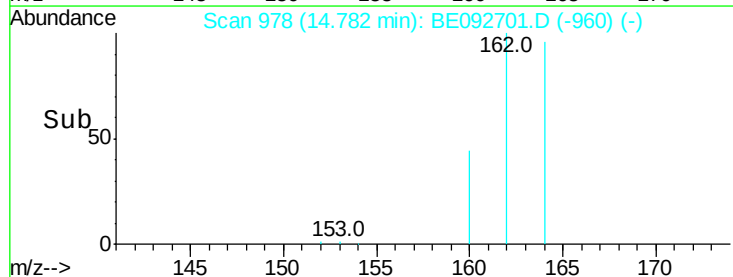
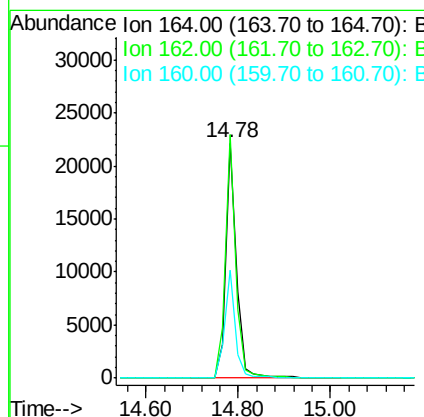
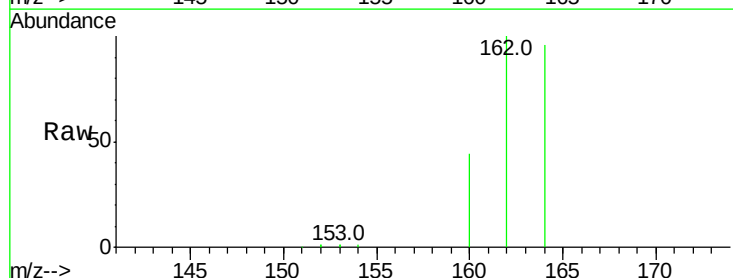
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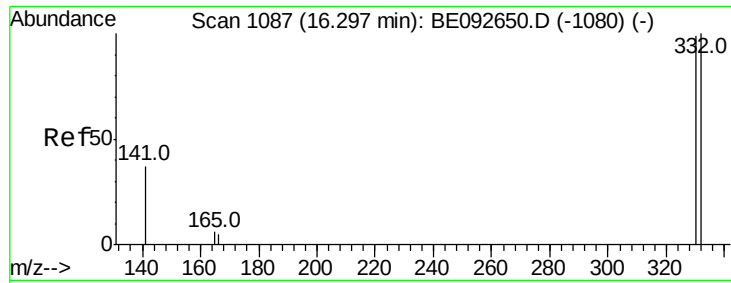
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 978
Delta R.T. 0.00 min
Lab File: BE092701.D
Acq: 31 Jan 2017 23:58

Tgt Ion:164 Resp: 35977
Ion Ratio Lower Upper
164 100
162 103.8 71.4 107.0
160 45.8 27.4 41.2#





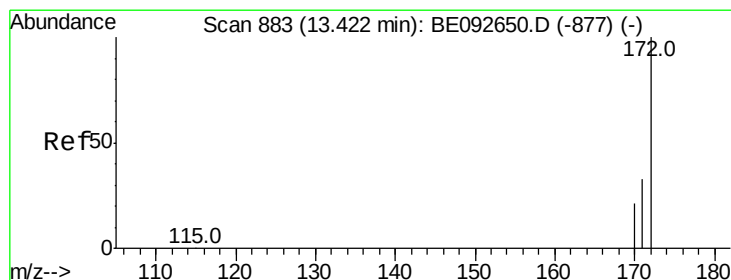
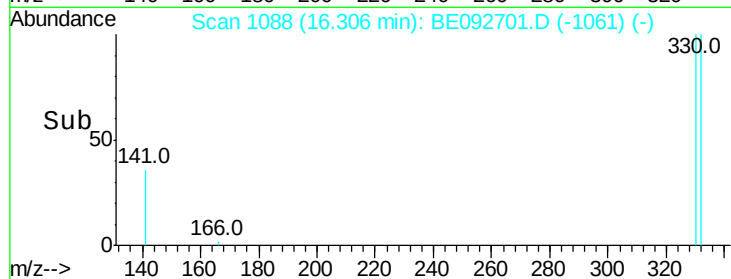
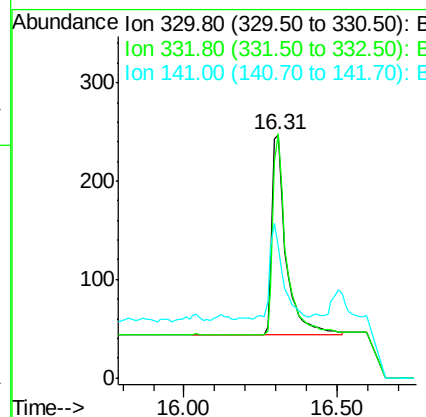
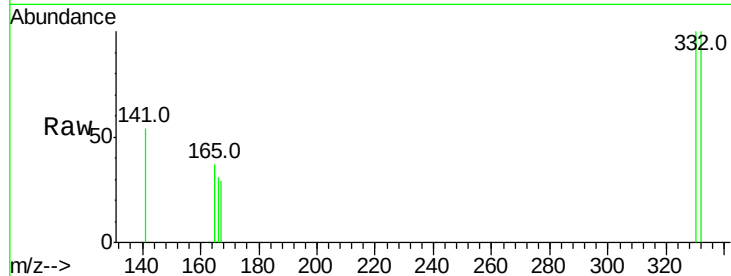
#13
 2,4,6-Tribromophenol
 Concen: 0.73 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: BE092701.D
 Acq: 31 Jan 2017 23:58

Instrument :
 BNA_E
 ClientSampleId :
 SB-01B

Tot Ion:330 Resp: 643
 Ion Ratio Lower Upper
 330 100
 332 97.8 75.4 113.0
 141 44.3 31.0 46.6

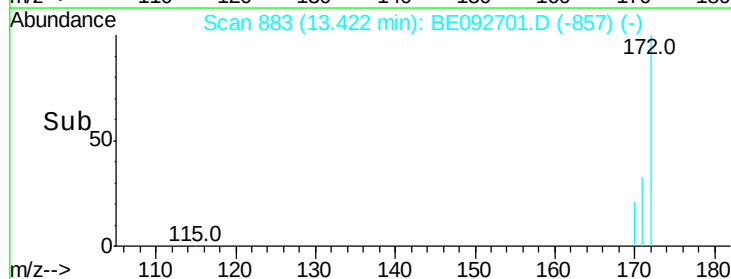
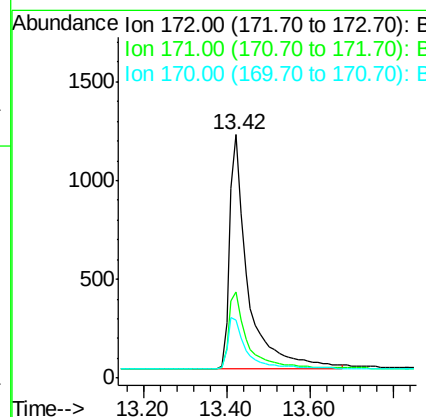
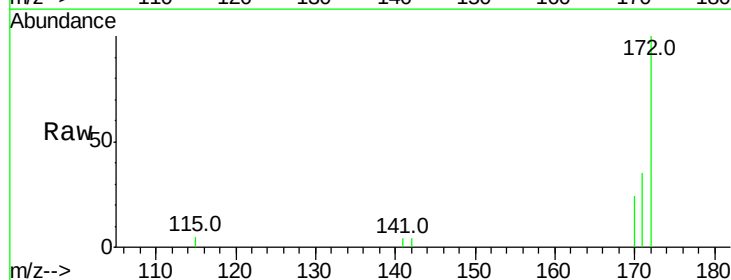
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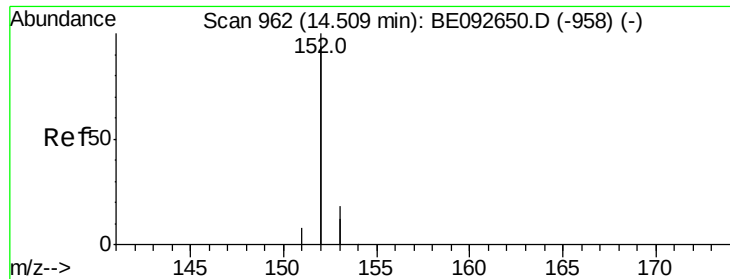
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#14
 2-Fluorobiphenyl
 Concen: 0.41 ng
 RT: 13.42 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: BE092701.D
 Acq: 31 Jan 2017 23:58

Tgt Ion:172 Resp: 3661
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.1 45.1
 170 24.0 21.8 32.6





#15

Acenaphthylene

Concen: 0.43 ng

RT: 14.49 min Scan# 961

Delta R.T. -0.02 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Instrument :

BNA_E

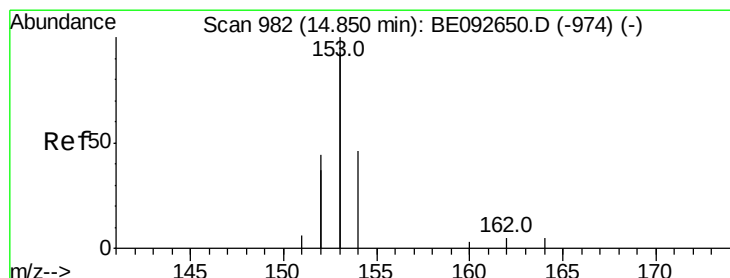
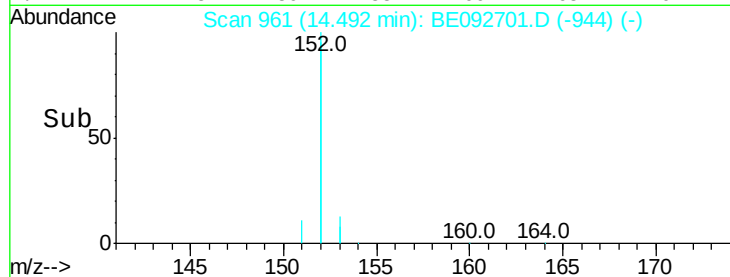
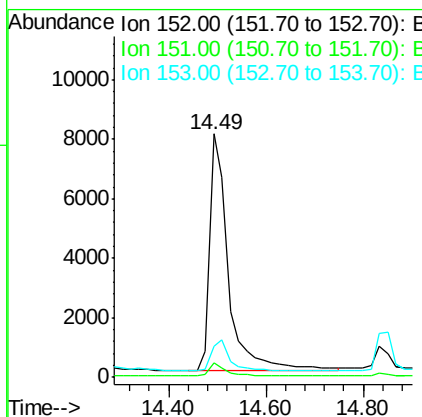
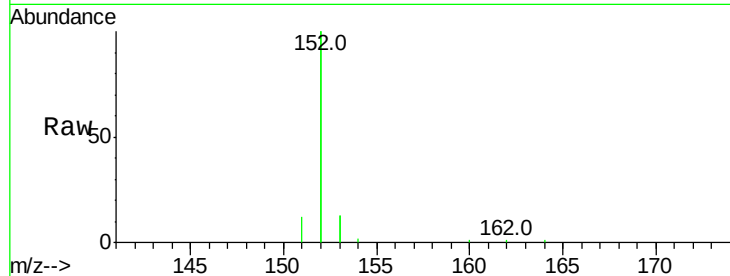
ClientSampled :

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Tot Ion:	152	Resp:	21460
Ion Ratio	Lower	Upper	
152	100		
151	4.9	3.9	5.9
153	12.6	10.4	15.6

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#16

Acenaphthene

Concen: 0.10 ng

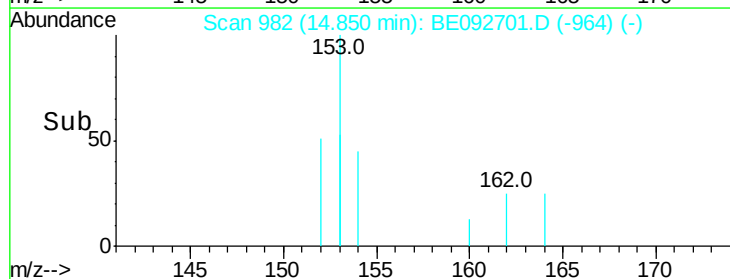
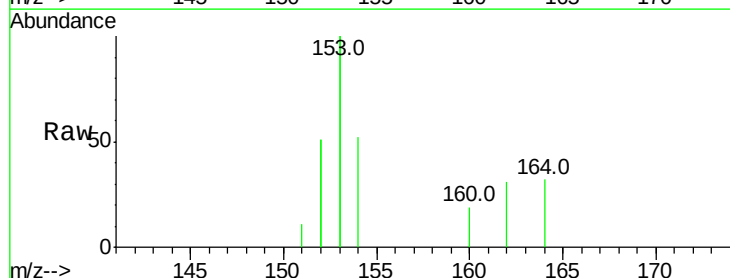
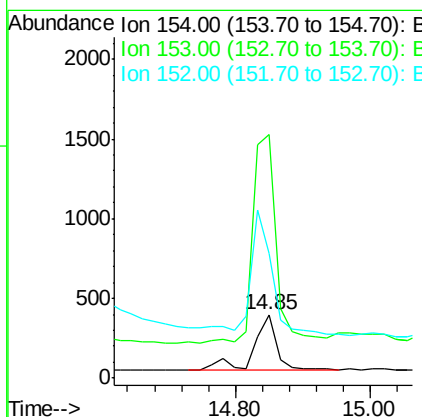
RT: 14.85 min Scan# 982

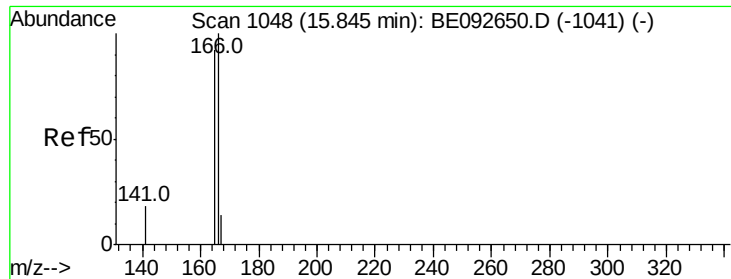
Delta R.T. 0.00 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Tgt Ion:	154	Resp:	814
Ion Ratio	Lower	Upper	
154	100		
153	381.9	350.8	526.2
152	202.9	171.1	256.7





#17

Fluorene

Concen: 0.11 ng

RT: 15.84 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Instrument :

BNA_E

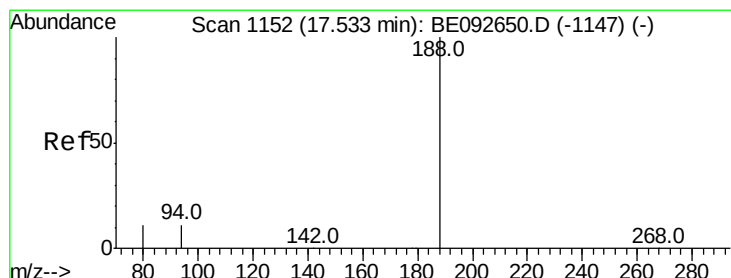
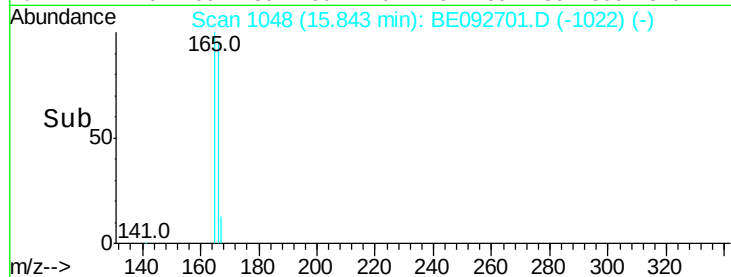
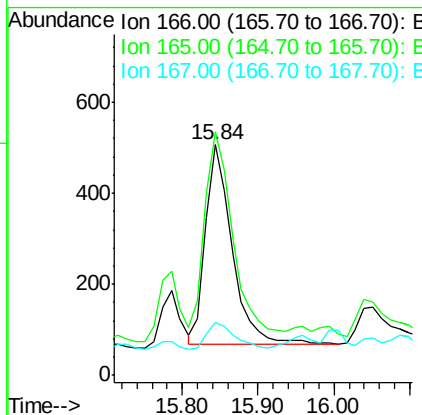
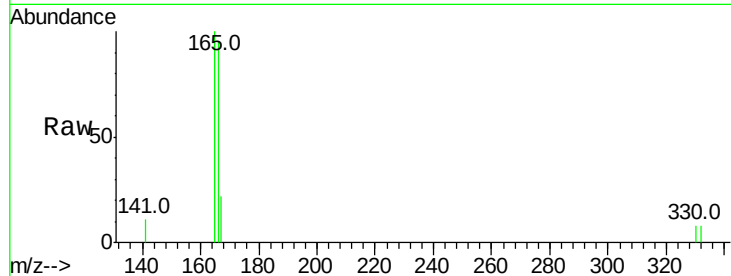
ClientSampleId :

SB-01B

Tot Ion:	166	Resp:	1065
Ion	Ratio	Lower	Upper
166	100		
165	105.1	78.2	117.4
167	13.8	11.0	16.4

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#18

Phenanthrene-d10

Concen: 5.00 ng

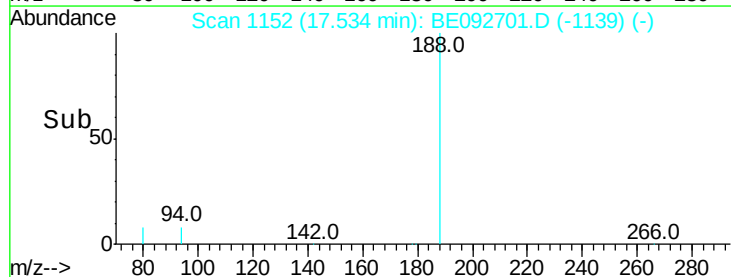
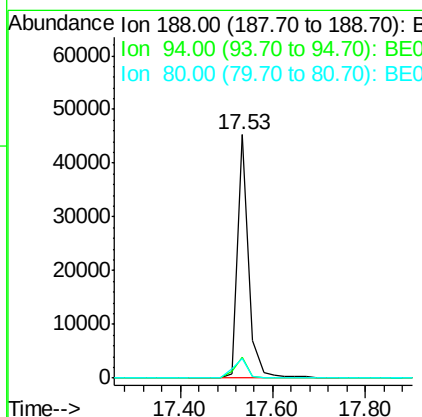
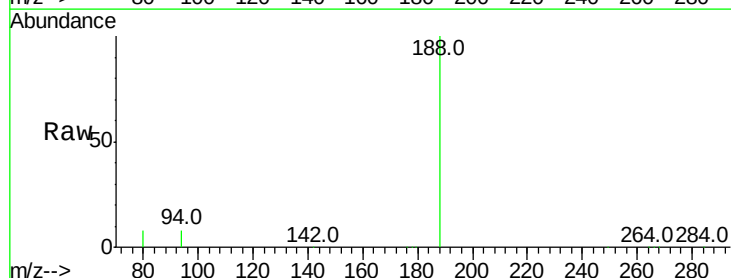
RT: 17.53 min Scan# 1152

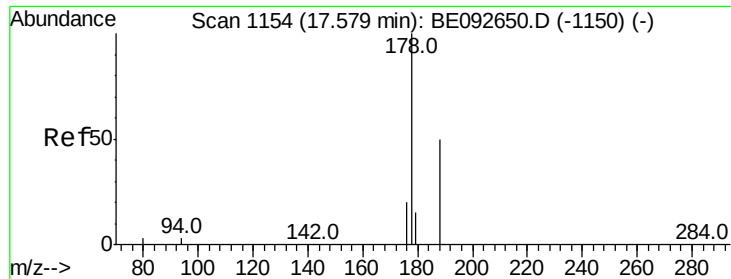
Delta R.T. 0.00 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Tgt Ion:	188	Resp:	76467
Ion	Ratio	Lower	Upper
188	100		
94	8.3	3.2	4.8#
80	7.9	2.6	3.8#





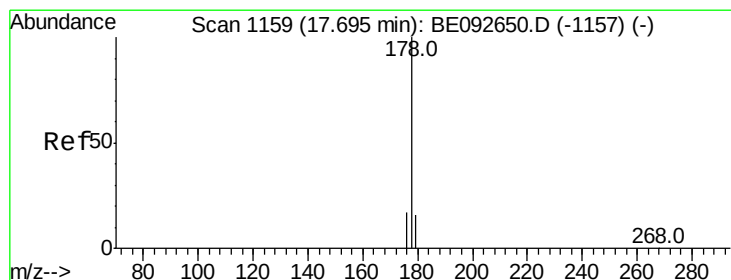
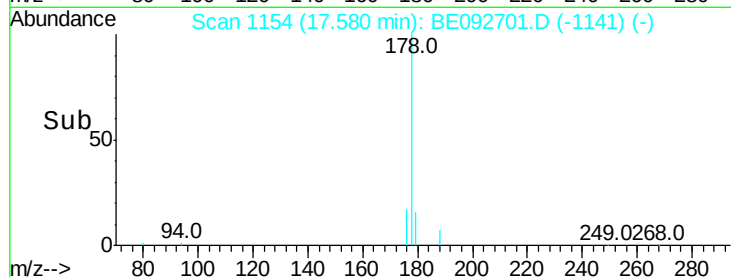
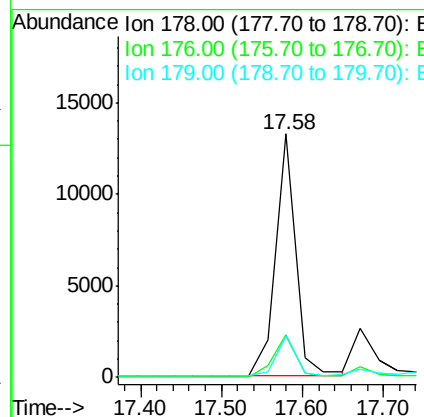
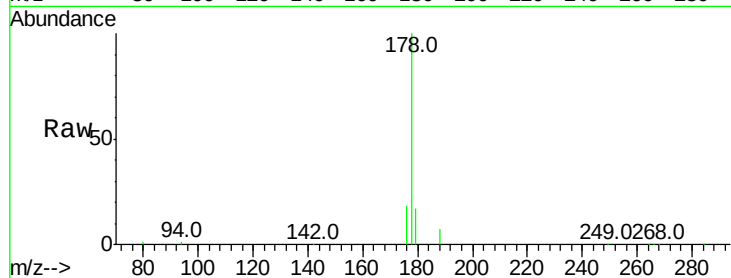
#21
Phenanthrene
Concen: 1.37 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092701.D
Acq: 31 Jan 2017 23:58

Instrument :
BNA_E
ClientSampleId :
SB-01B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	16.1	16.0	24.0

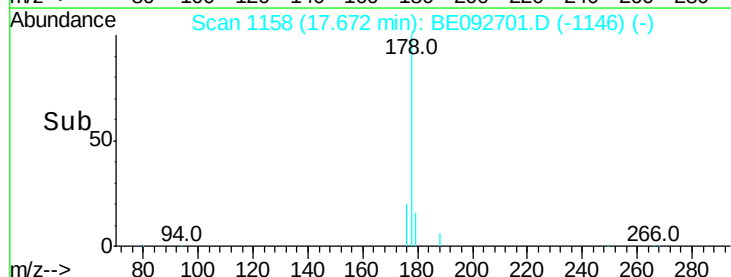
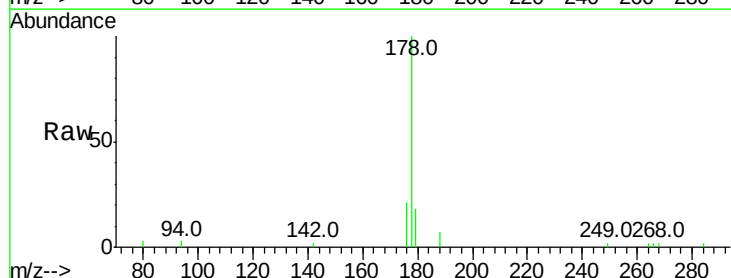
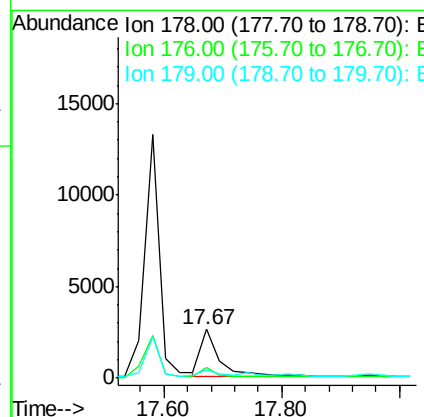
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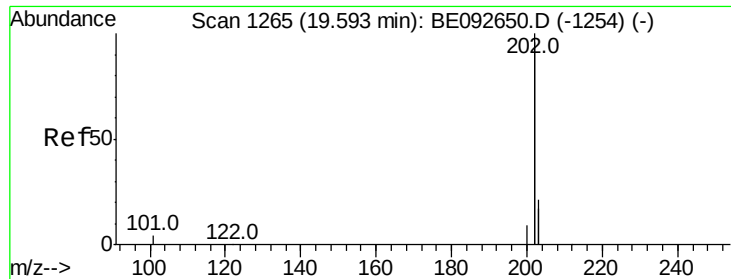
mohammad
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#22
Anthracene
Concen: 0.38 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092701.D
Acq: 31 Jan 2017 23:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.0	22.4
179	13.2	12.2	18.2





#23

Fluoranthene

Concen: 2.56 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Instrument :

BNA_E

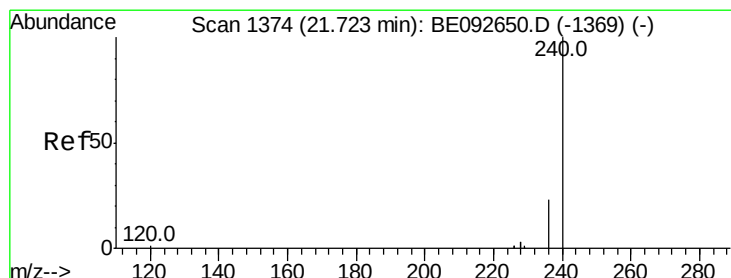
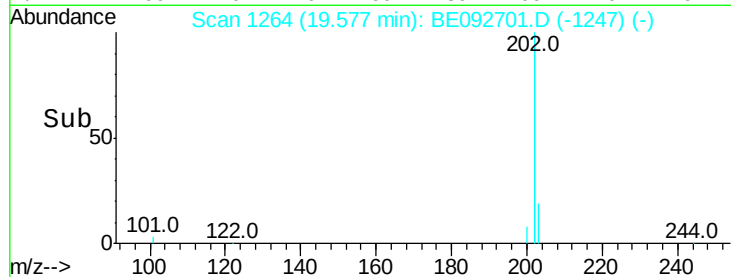
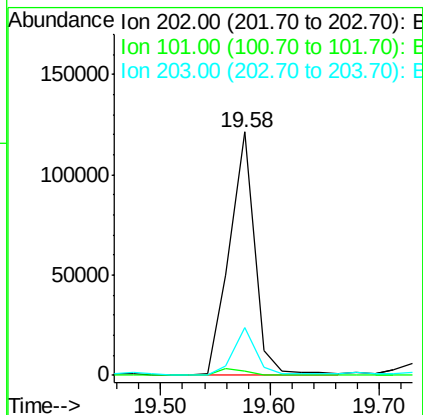
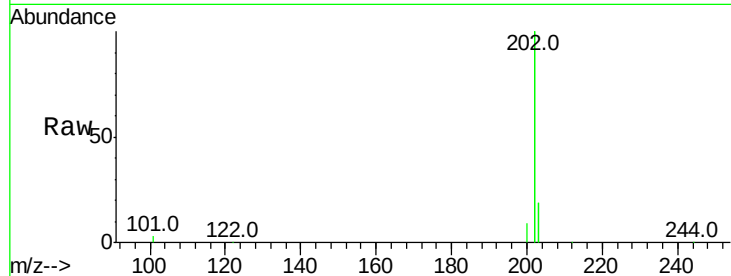
ClientSampleId :

SB-01B

Tot Ion:	202	Resp:	191301
Ion Ratio	Lower	Upper	
202	100		
101	2.8	2.2	3.4
203	16.9	13.7	20.5

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#24

Chrysene-d12

Concen: 5.00 ng

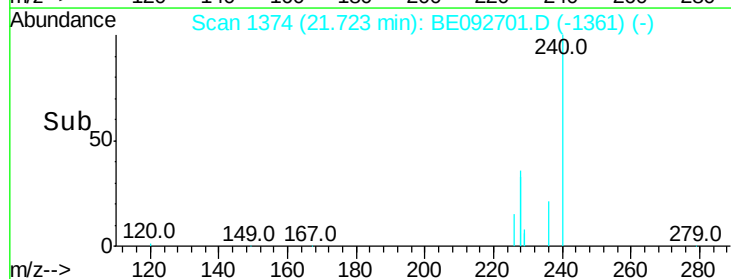
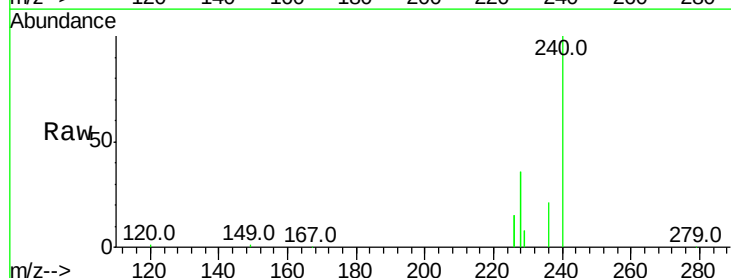
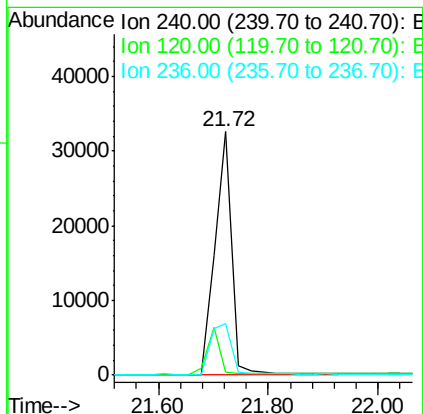
RT: 21.72 min Scan# 1374

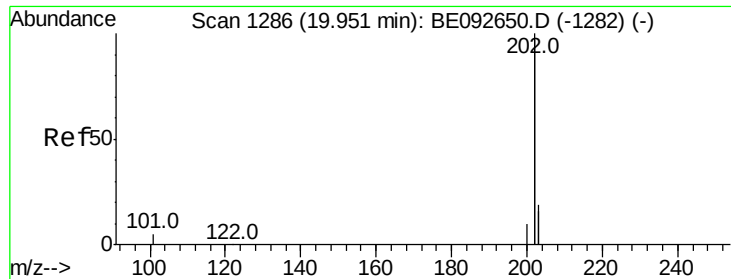
Delta R.T. -0.00 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Tgt Ion:	240	Resp:	69464
Ion Ratio	Lower	Upper	
240	100		
120	1.0	2.6	4.0#
236	21.3	24.6	37.0#





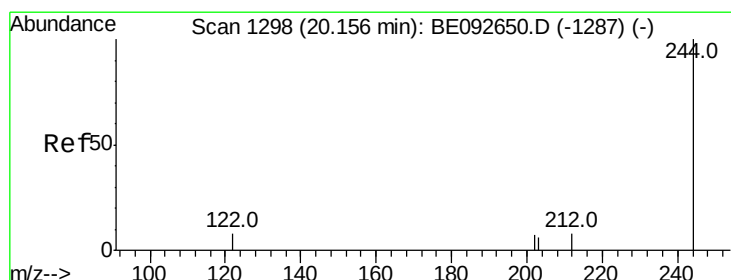
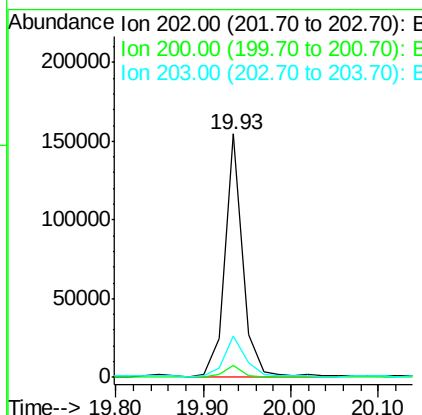
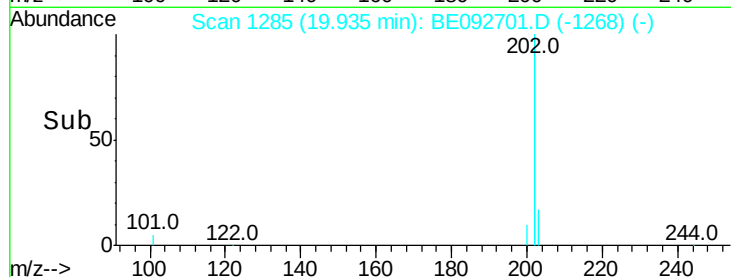
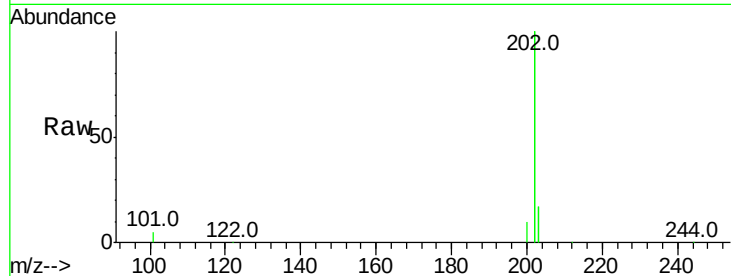
#25
 Pvrene
 Concen: 3.16 ng
 RT: 19.93 min Scan# 1285
 Delta R.T. -0.02 min
 Lab File: BE092701.D
 Acq: 31 Jan 2017 23:58

Instrument :
 BNA_E
 ClientSampleId :
 SB-01B

Tot Ion:	202	Resp:	216392
Ion Ratio	Lower	Upper	
202	100		
200	5.2	4.2	6.4
203	20.7	13.9	20.9

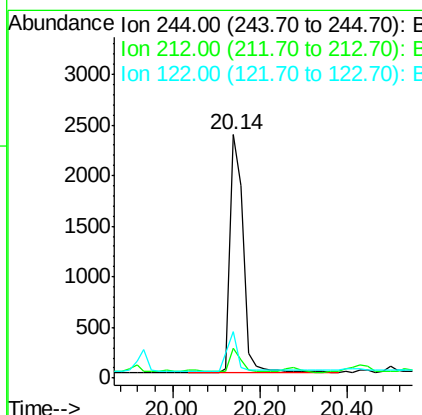
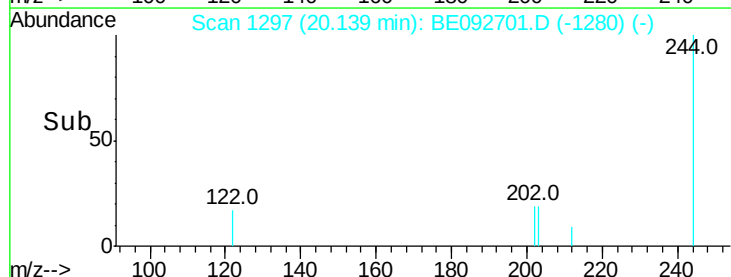
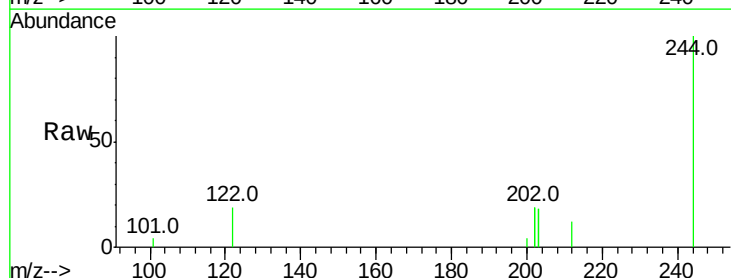
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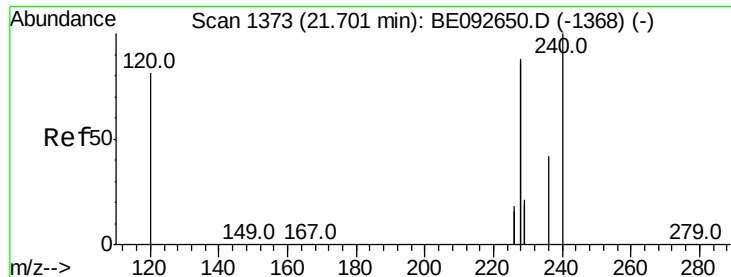
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#26
 Terphenyl-d14
 Concen: 0.49 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BE092701.D
 Acq: 31 Jan 2017 23:58

Tgt Ion:	244	Resp:	4804
Ion Ratio	Lower	Upper	
244	100		
212	12.1	6.7	10.1#
122	19.2	3.6	5.4#





#27

Benzo(a)anthracene

Concen: 1.76 ng m

RT: 21.70 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Instrument :

BNA_E

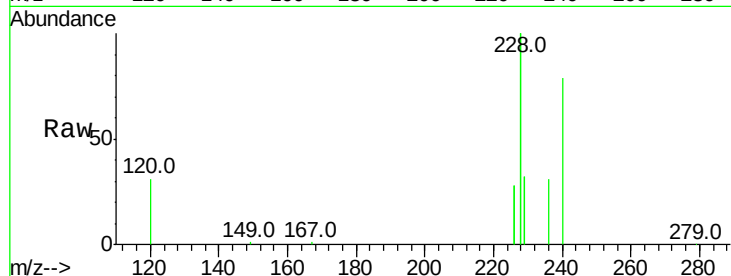
ClientSampleId :

SB-01B

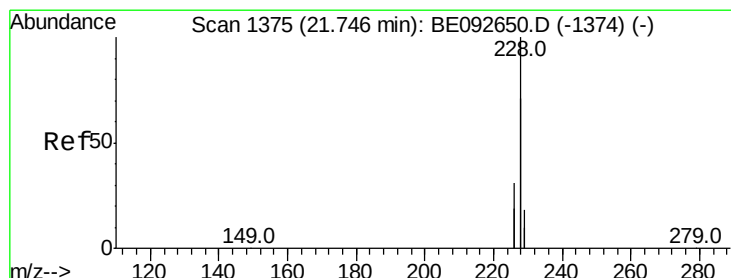
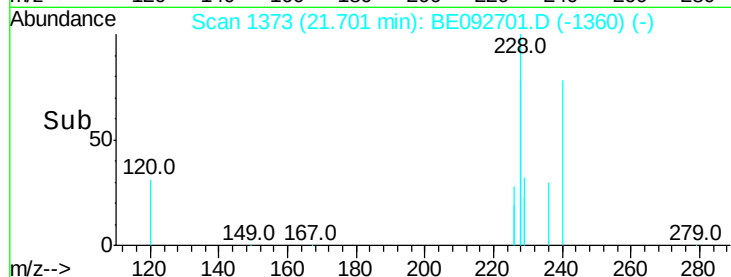
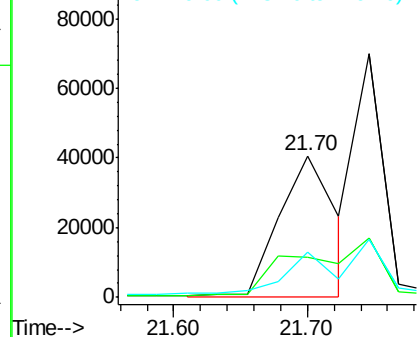
Tot Ion:	228	Resp:	120288
Ion Ratio	Lower	Upper	
228	100		
226	28.3	23.6	35.4
229	32.2	13.3	19.9#

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#28

Chrysene

Concen: 1.38 ng m

RT: 21.75 min Scan# 1375

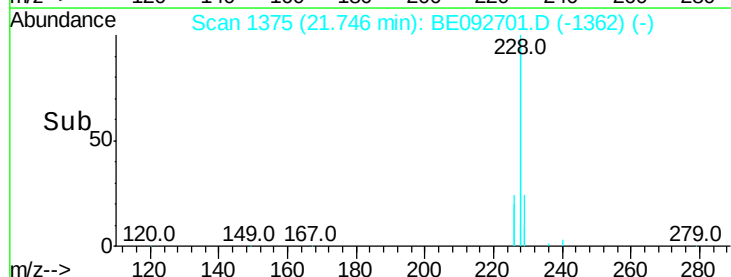
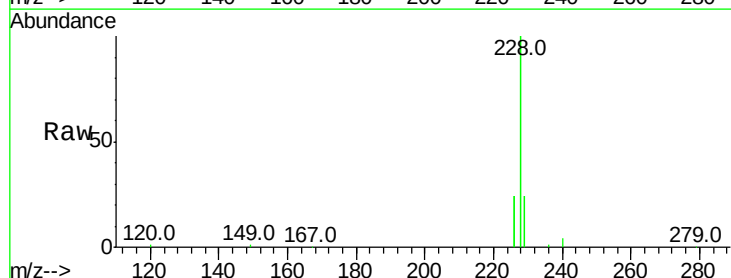
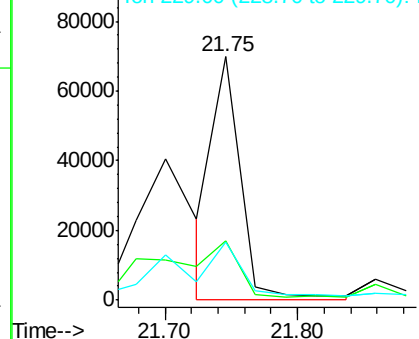
Delta R.T. -0.00 min

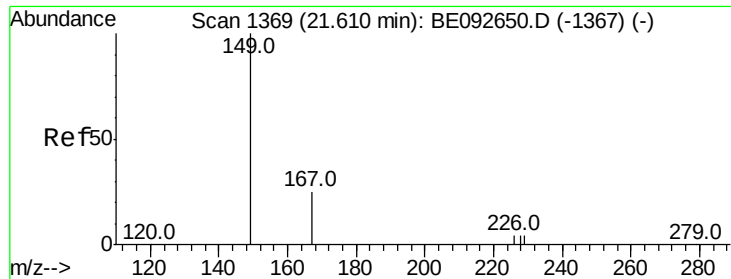
Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Tgt Ion:	228	Resp:	106050
Ion Ratio	Lower	Upper	
228	100		
226	24.2	36.3	54.5#
229	23.9	10.6	16.0#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





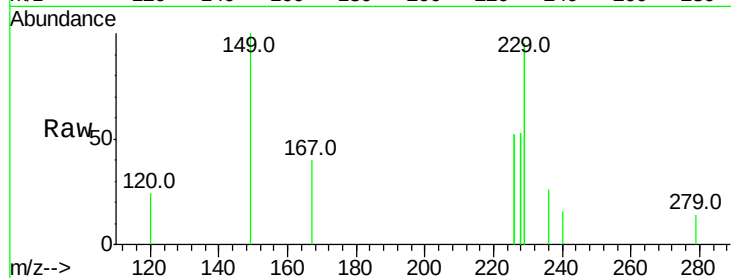
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.25 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: BE092701.D
 Acq: 31 Jan 2017 23:58

Instrument :
 BNA_E
 ClientSampleId :
 SB-01B

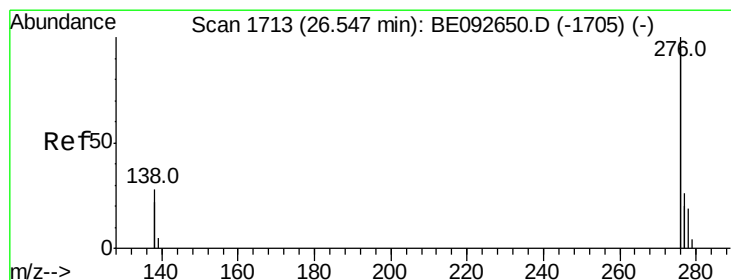
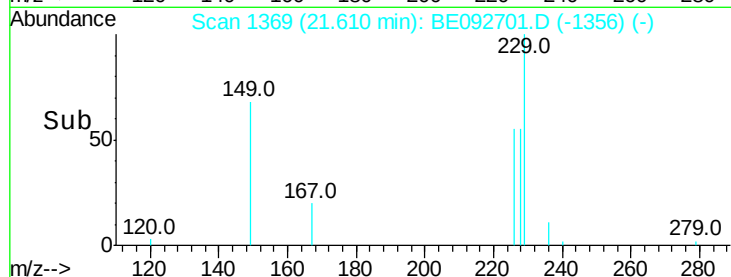
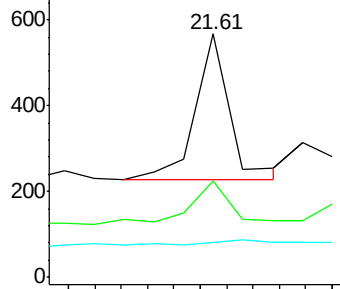
Tot Ion	Ratio	Lower	Upper
149	100		
167	46.1	16.0	24.0#
279	0.0	16.0	24.0#

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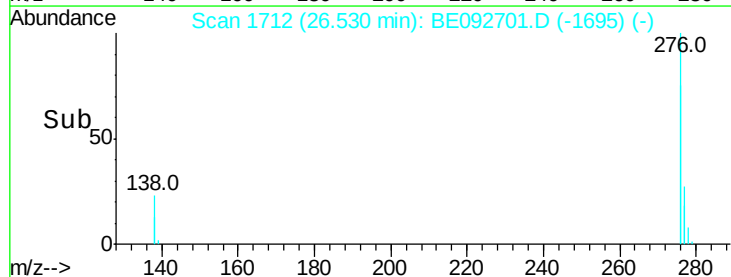
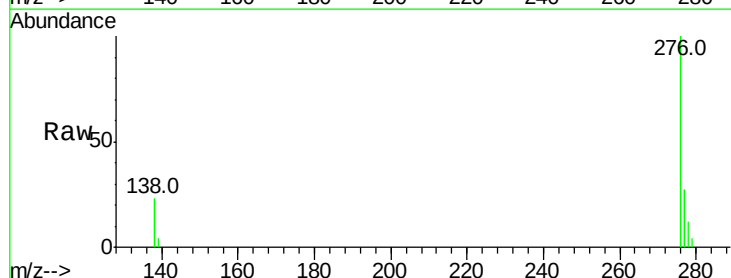
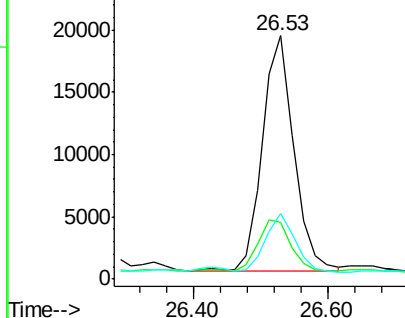
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

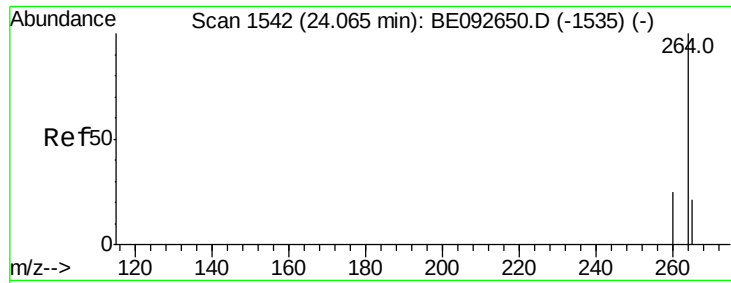


#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.73 ng
 RT: 26.53 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BE092701.D
 Acq: 31 Jan 2017 23:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.3	30.5
277	23.5	19.7	29.5

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





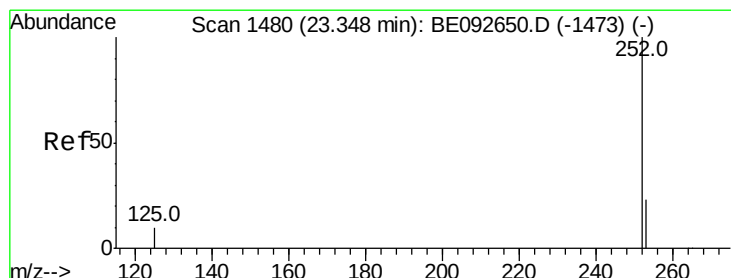
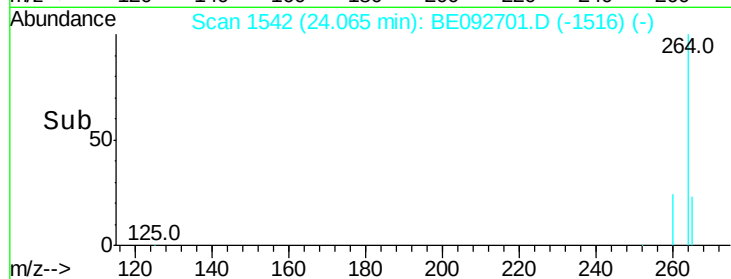
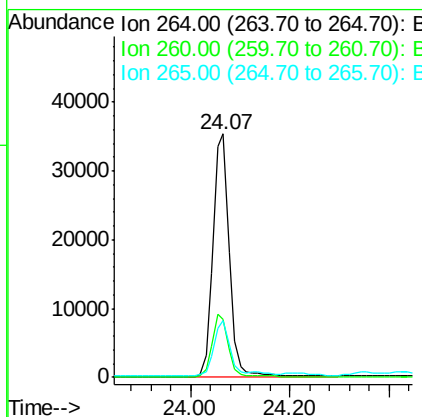
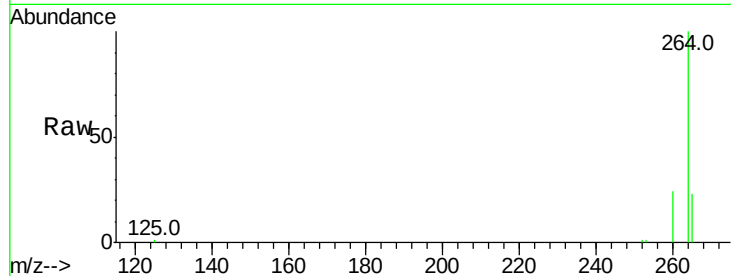
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.07 min Scan# 1542
Delta R.T. 0.00 min
Lab File: BE092701.D
Acq: 31 Jan 2017 23:58

Instrument :
BNA_E
ClientSampleId :
SB-01B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.1	30.1
265	23.2	17.9	26.9

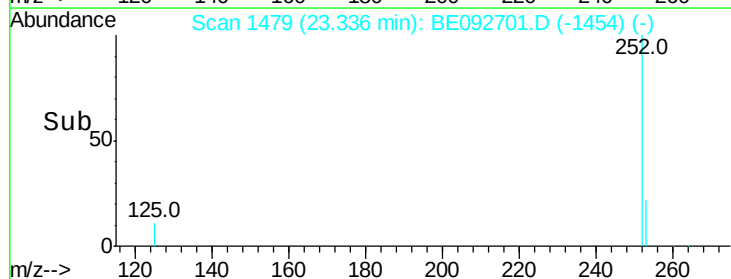
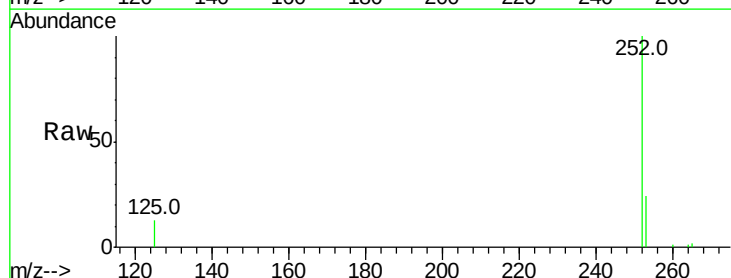
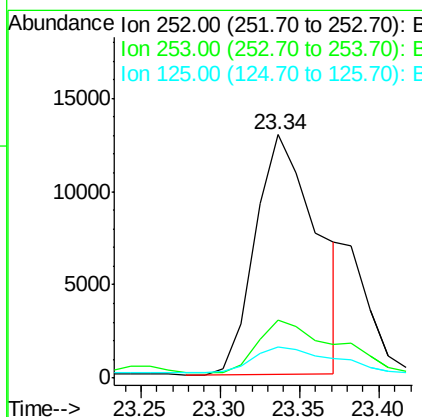
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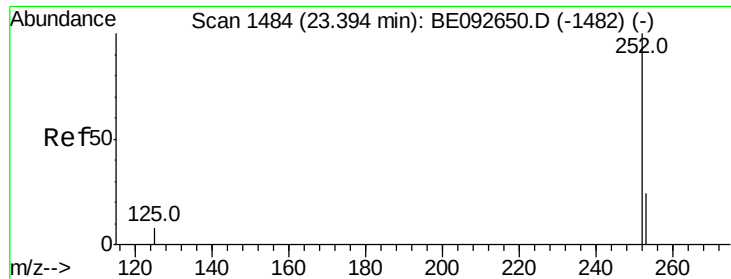
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#32
Benzo(b)fluoranthene
Concen: 1.79 ng m
RT: 23.34 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BE092701.D
Acq: 31 Jan 2017 23:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.7	28.1
125	13.0	10.5	15.7





#33

Benzo(k)fluoranthene

Concen: 0.47 ng

RT: 23.37 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Instrument :

BNA_E

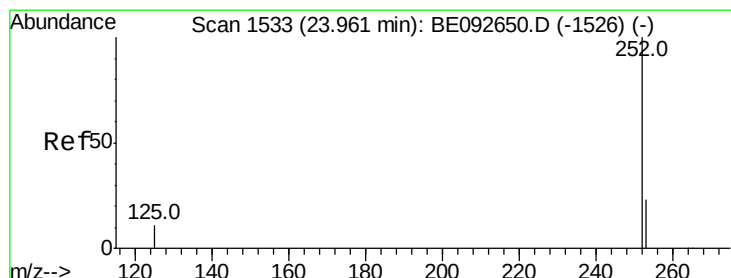
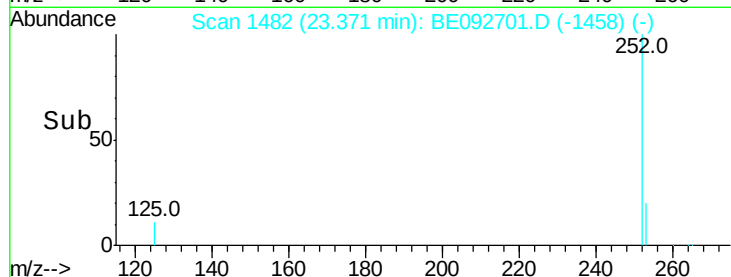
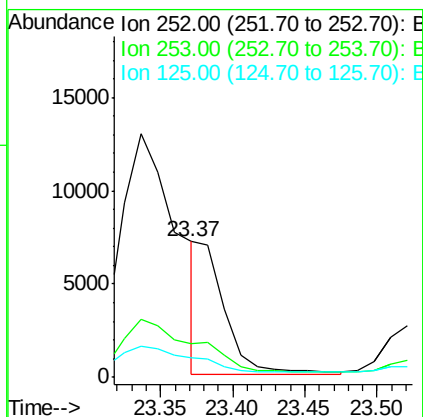
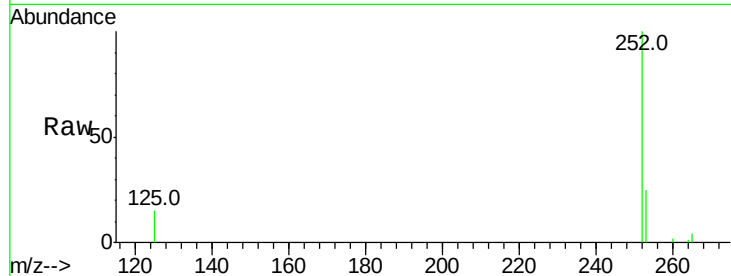
ClientSampleId :

SB-01B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.3	30.5
125	14.8	9.6	14.4

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#34

Benzo(a)pyrene

Concen: 1.34 ng

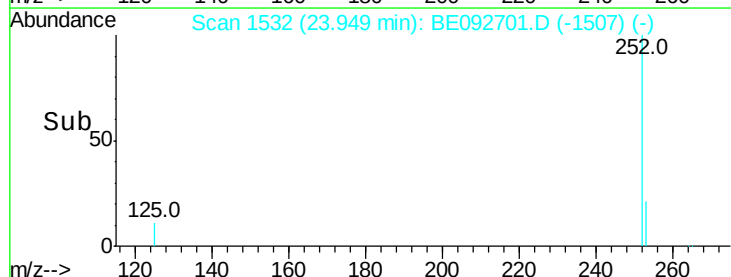
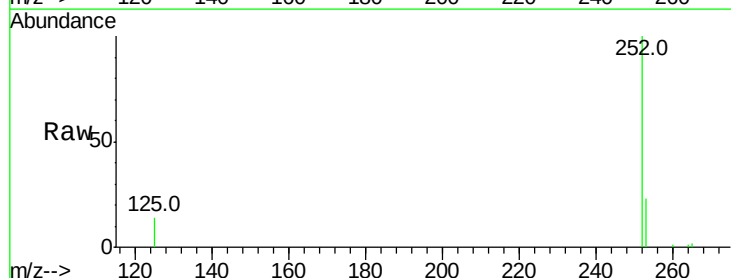
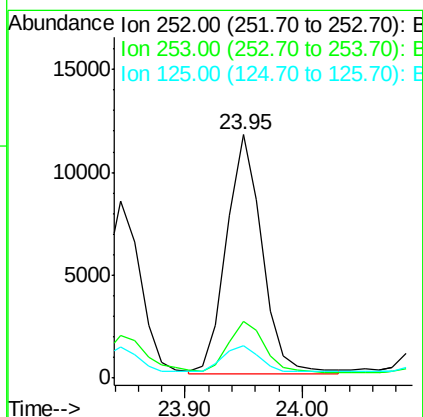
RT: 23.95 min Scan# 1532

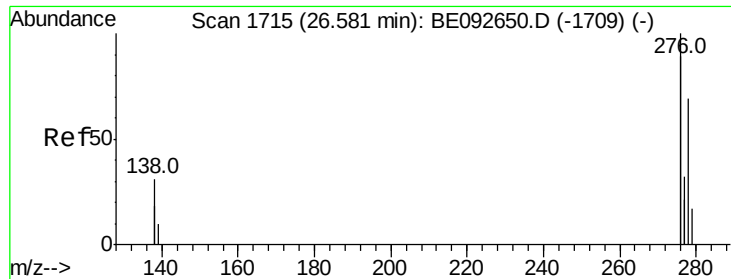
Delta R.T. -0.01 min

Lab File: BE092701.D

Acq: 31 Jan 2017 23:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.6
125	13.5	11.8	17.8





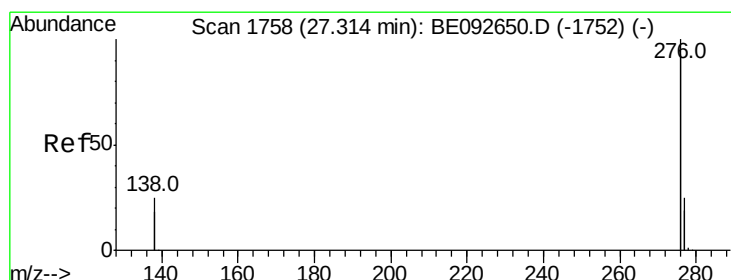
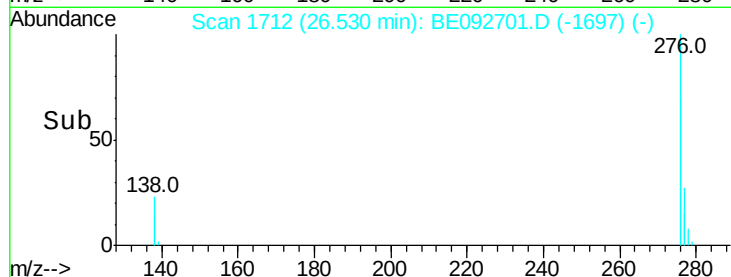
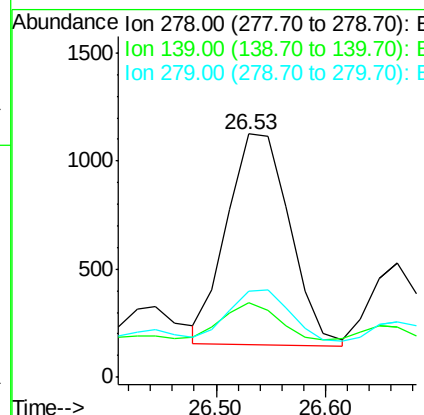
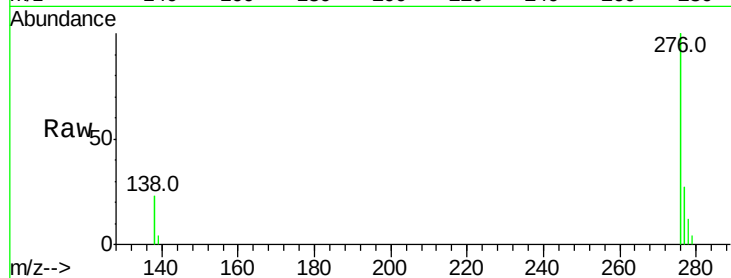
#35
Dibenzo(a,h)anthracene
Concen: 0.22 ng
RT: 26.53 min Scan# 1712
Delta R.T. -0.05 min
Lab File: BE092701.D
Acq: 31 Jan 2017 23:58

Instrument :
BNA_E
ClientSampled :
SB-01B

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.6	13.8	20.8#
279	35.4	21.4	32.2#

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#36
Benzo(g,h,i)perylene
Concen: 0.88 ng
RT: 27.30 min Scan# 1757
Delta R.T. -0.02 min
Lab File: BE092701.D
Acq: 31 Jan 2017 23:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.8	29.8
138	23.0	19.8	29.6

