

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013117\
 Data File : BE092698.D
 Acq On : 31 Jan 2017 22:07
 Operator : SJ/MA
 Sample : I1505-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-01C

Manual Integrations
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Quant Time: Feb 01 03:06:02 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	11670	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	51848	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	32349	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	69938	5.00	ng	0.00
24) Chrysene-d12	21.72	240	73967	5.00	ng	0.00
31) Perylene-d12	24.07	264	83527	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.64	112	13947	5.35	ng	-0.01
5) Phenol-d6	7.31	99	11137	3.49	ng	-0.02
8) Nitrobenzene-d5	9.32	82	17048	5.07	ng	-0.02
13) 2,4,6-Tribromophenol	16.27	330	9201	9.61	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	40167	5.05	ng	-0.02
26) Terphenyl-d14	20.14	244	46659	4.46	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.95	128	7722	0.71	ng	96
11) 2-Methylnaphthalene	12.59	142	3013	0.45	ng	97
15) Acenaphthylene	14.49	152	3170	0.07	ng	# 89
16) Acenaphthene	14.85	154	1459	0.20	ng	93
17) Fluorene	15.83	166	1499	0.17	ng	98
21) Phenanthrene	17.58	178	3359	0.22	ng	99
22) Anthracene	17.67	178	645	0.05	ng	97
23) Fluoranthene	19.58	202	6455	0.09	ng	# 97
25) Pyrene	19.93	202	6604	0.09	ng	# 86
27) Benzo(a)anthracene	21.70	228	4397m	0.06	ng	
28) Chrysene	21.75	228	2941m	0.04	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	7551	0.71	ng	# 71
30) Indeno(1,2,3-cd)pyrene	26.55	276	4572	0.05	ng	95
32) Benzo(b)fluoranthene	23.35	252	1738m	0.09	ng	
33) Benzo(k)fluoranthene	23.37	252	653m	0.03	ng	
34) Benzo(a)pyrene	23.96	252	1171	0.06	ng	# 55
36) Benzo(a,h,i)perylene	27.31	276	4925	0.06	ng	# 77

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

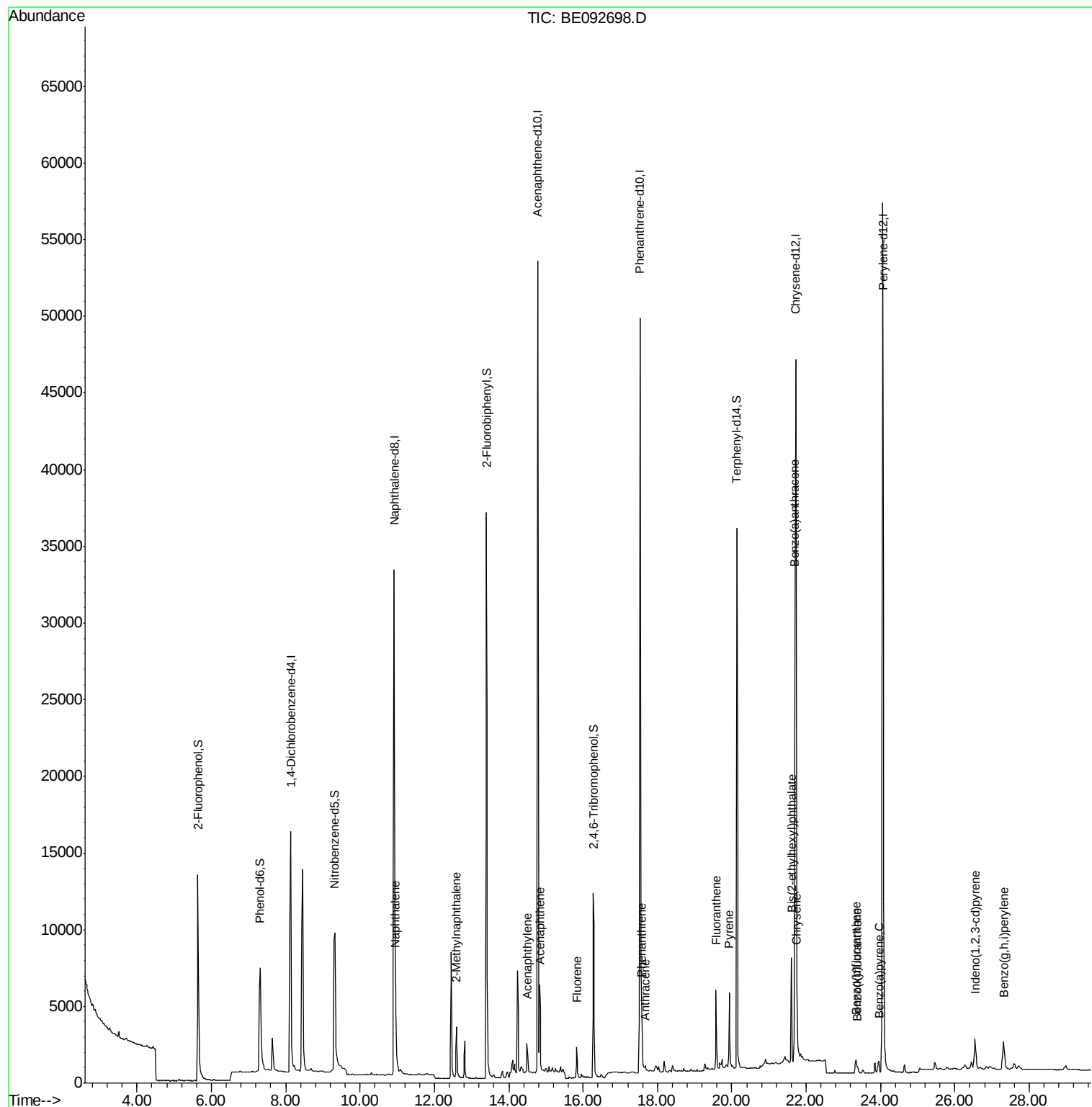
Data Path : Z:\HPCHEM1\BNA E\DATA\BE013117\
Data File : BE092698.D
Acq On : 31 Jan 2017 22:07
Operator : SJ/MA
Sample : I1505-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

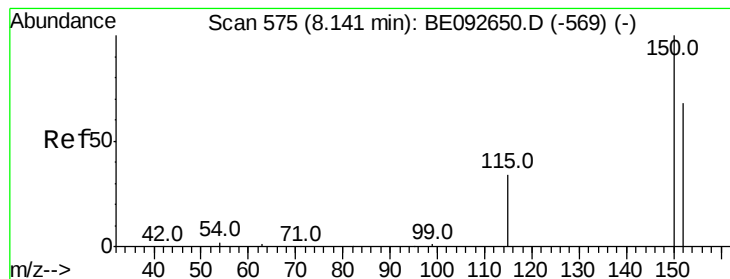
Instrument :
BNA_E
ClientSampleId :
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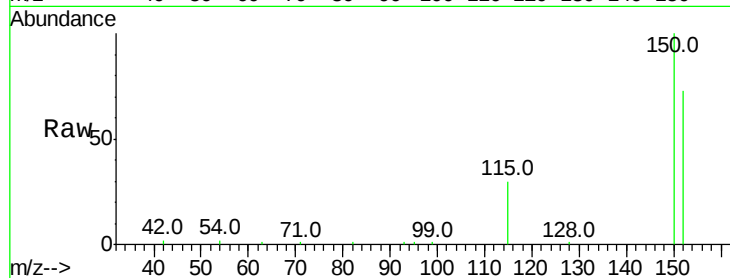
Quant Time: Feb 01 03:06:02 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 17 10:14:01 2017
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.14 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BE092698.D
 Acq: 31 Jan 2017 22:07

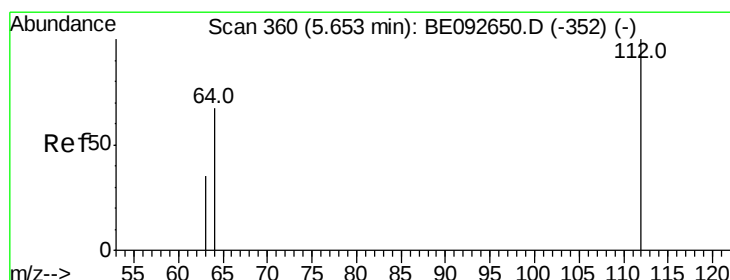
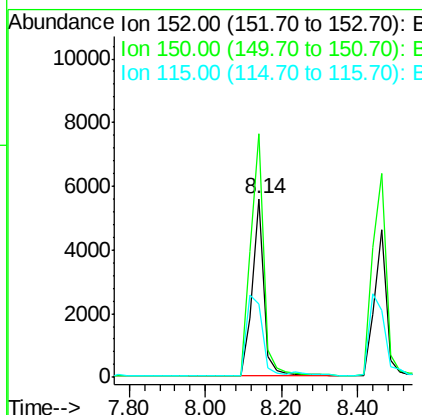
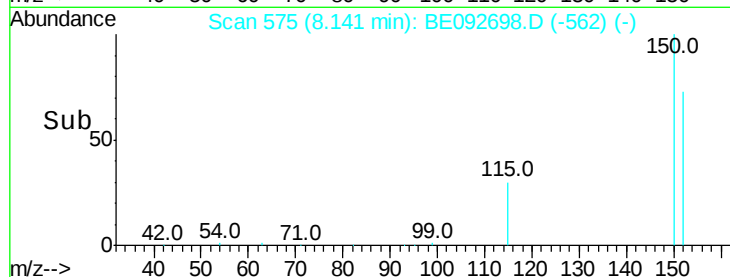
Instrument :
 BNA_E
 ClientSampleID :
 SB-01C



Tot Ion:152 Resp: 11670
 Ion Ratio Lower Upper
 152 100
 150 136.3 106.0 159.0
 115 41.2 31.2 46.8

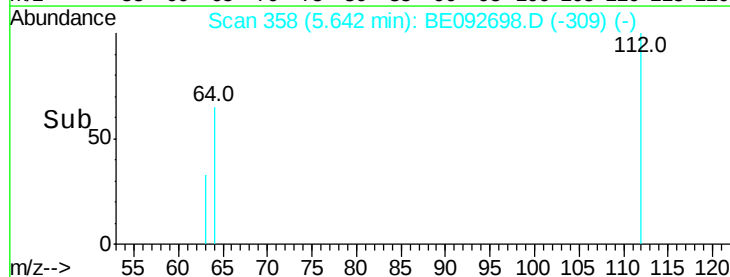
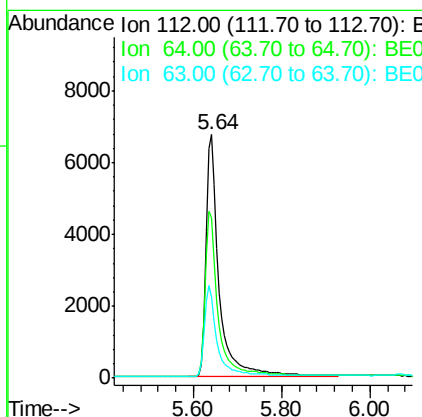
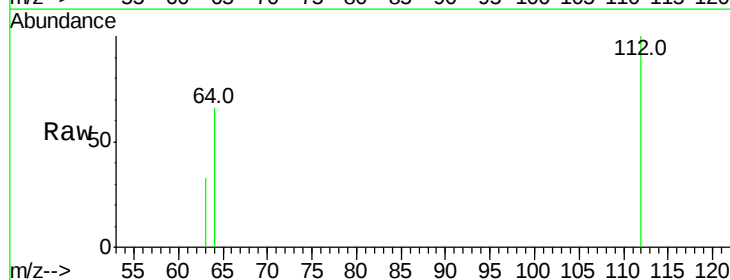
Manual Integrations
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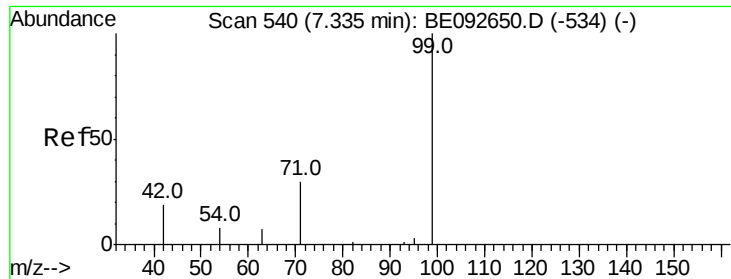
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#4
 2-Fluorophenol
 Concen: 5.35 ng
 RT: 5.64 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: BE092698.D
 Acq: 31 Jan 2017 22:07

Tgt Ion:112 Resp: 13947
 Ion Ratio Lower Upper
 112 100
 64 68.1 53.5 80.3
 63 36.8 27.9 41.9





#5

Phenol-d6

Concen: 3.49 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092698.D

Acq: 31 Jan 2017 22:07

Instrument :

BNA_E

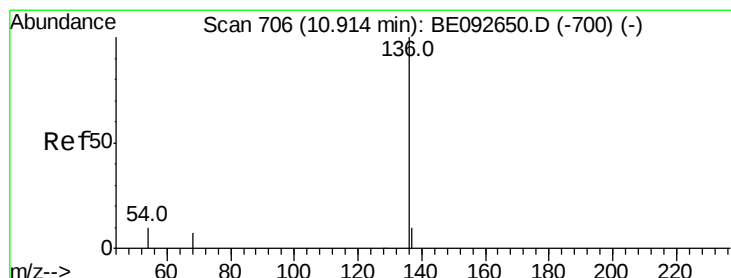
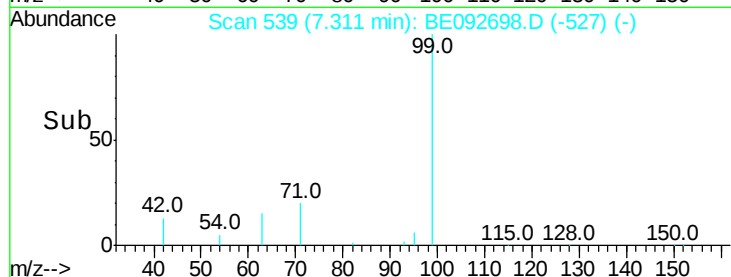
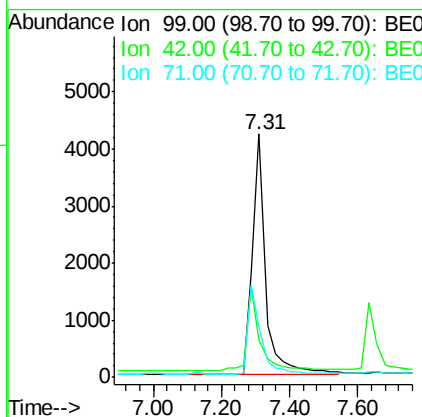
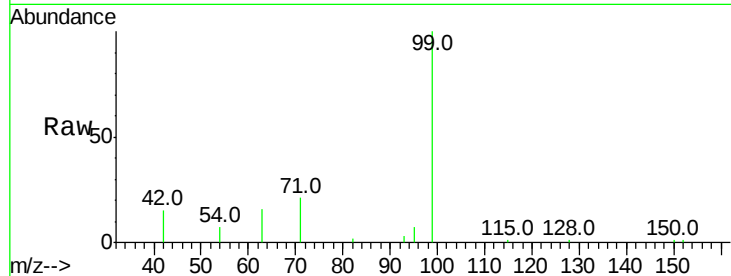
ClientSampled :

SB-01C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		11137		
42	0.0	16.0	24.0#		
71	0.0	30.6	45.8#		

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#7

Naphthalene-d8

Concen: 5.00 ng

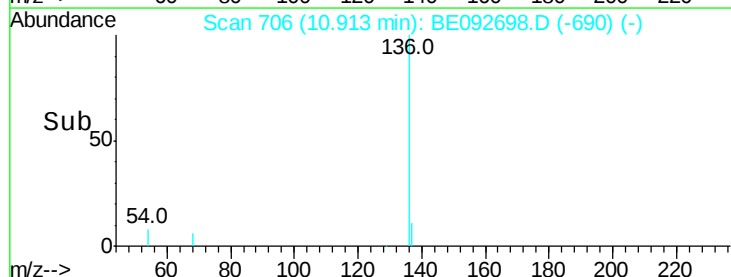
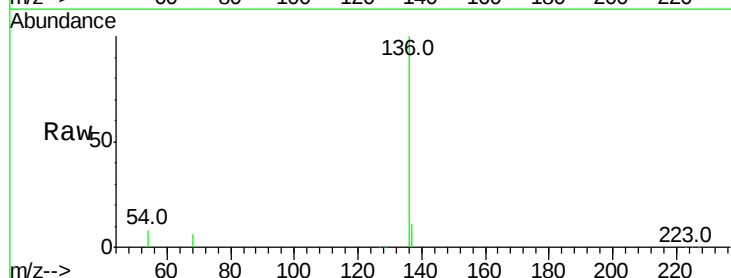
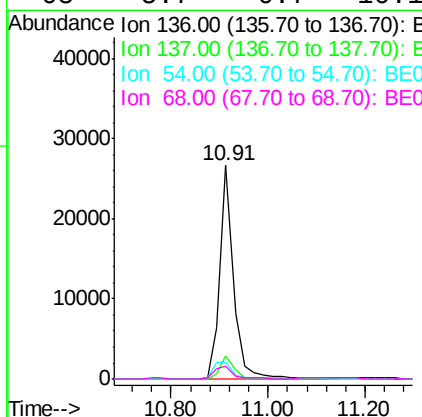
RT: 10.91 min Scan# 706

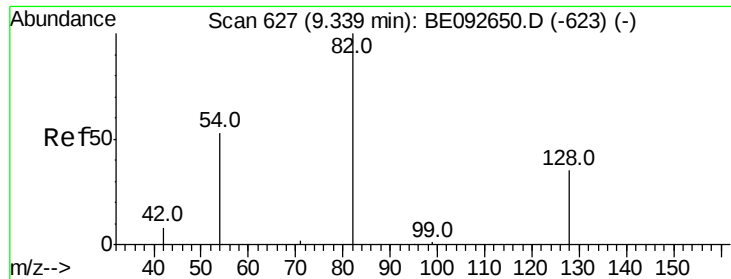
Delta R.T. -0.00 min

Lab File: BE092698.D

Acq: 31 Jan 2017 22:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		51848		
137	11.0	8.2	12.4		
54	7.8	9.6	14.4#		
68	5.7	6.7	10.1#		





#8

Nitrobenzene-d5

Concen: 5.07 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092698.D

Acq: 31 Jan 2017 22:07

Instrument :

BNA_E

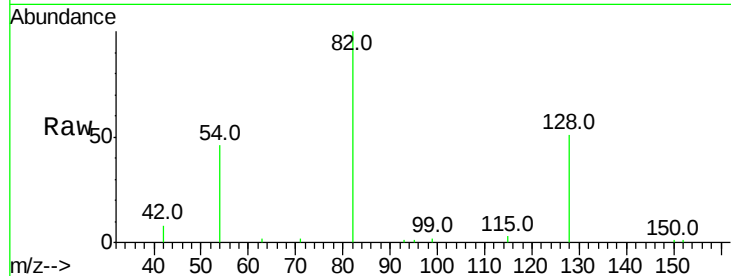
ClientSampleId :

SB-01C

Tot Ion:	82	Resp:	17048
Ion Ratio	Lower	Upper	
82	100		
128	50.8	39.0	58.4
54	46.1	44.8	67.2

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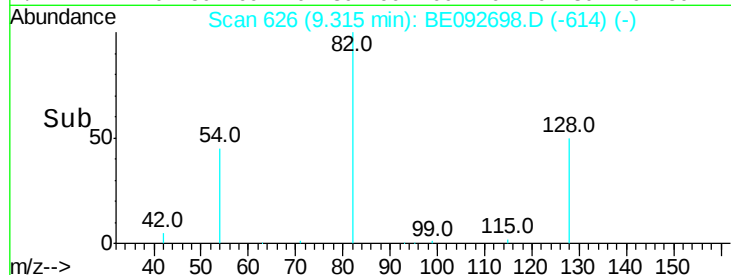
Abundance Ion 82.00 (81.70 to 82.70): BE092650.D (-623) (-)

Ion 128.00 (127.70 to 128.70): BE092650.D (-623) (-)

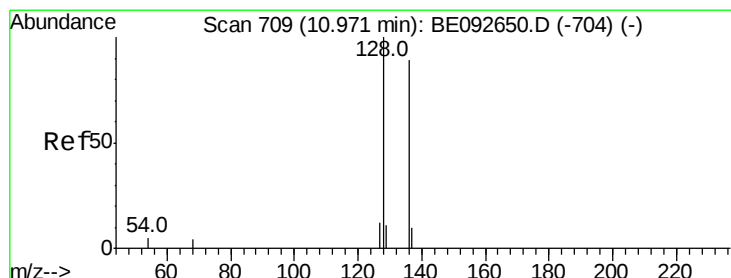
Ion 54.00 (53.70 to 54.70): BE092650.D (-623) (-)

9.32

Time-->



Time-->



#9

Naphthalene

Concen: 0.71 ng

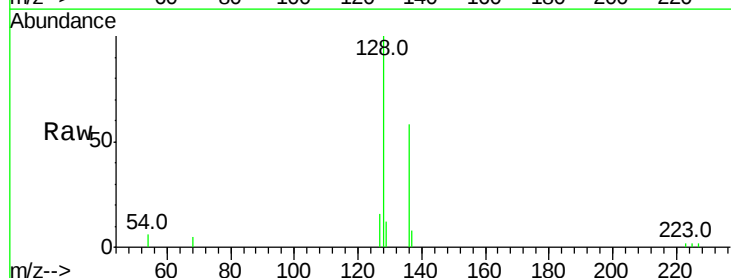
RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092698.D

Acq: 31 Jan 2017 22:07

Tgt Ion:	128	Resp:	7722
Ion Ratio	Lower	Upper	
128	100		
129	12.1	11.2	16.8
127	15.6	11.6	17.4



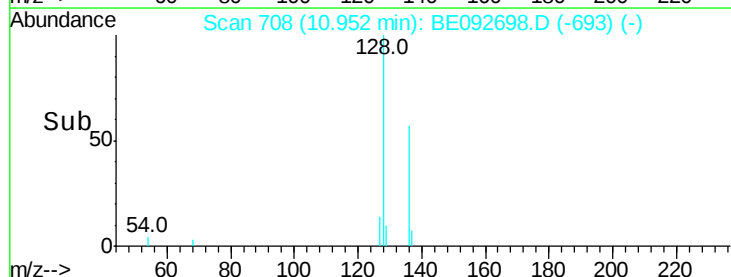
Abundance Ion 128.00 (127.70 to 128.70): BE092650.D (-704) (-)

Ion 129.00 (128.70 to 129.70): BE092650.D (-704) (-)

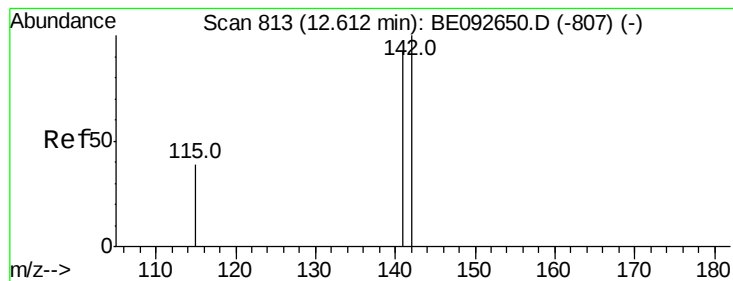
Ion 127.00 (126.70 to 127.70): BE092650.D (-704) (-)

10.95

Time-->



Time-->



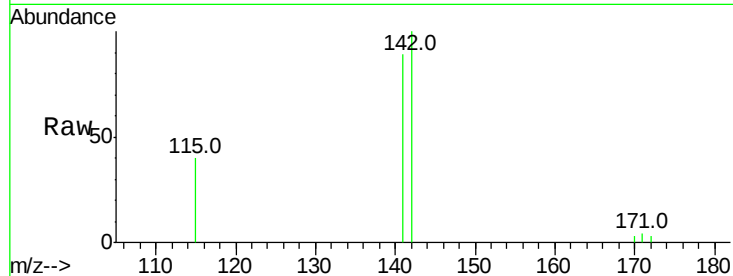
#11
2-Methylnaphthalene
Concen: 0.45 ng
RT: 12.59 min Scan# 811
Delta R.T. -0.02 min
Lab File: BE092698.D
Acq: 31 Jan 2017 22:07

Instrument :
BNA_E
ClientSampleId :
SB-01C

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	73.7	110.5
115	40.3	34.0	51.0

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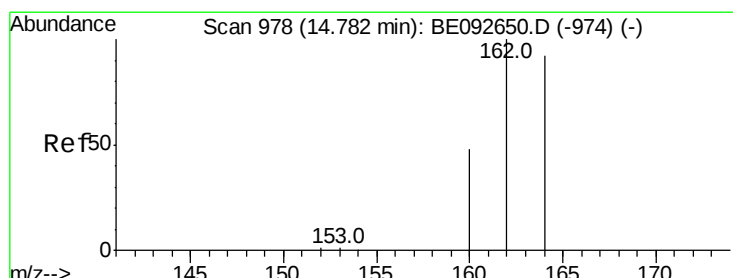
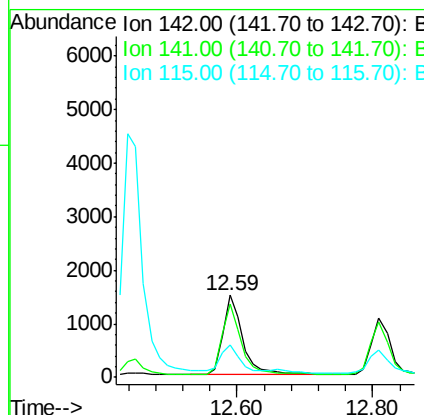
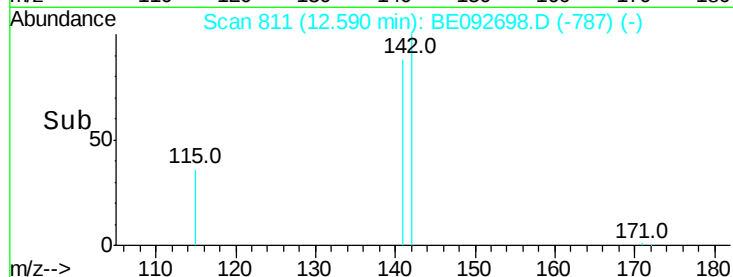


Abundance

Ion 142.00 (141.70 to 142.70): E

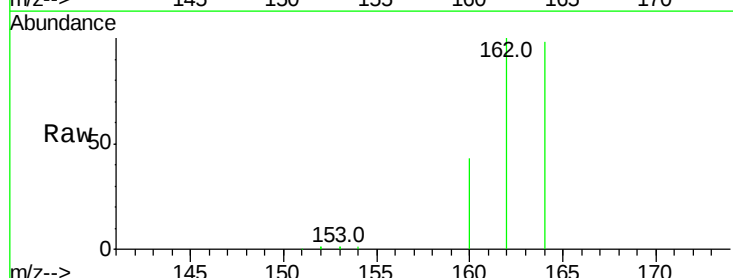
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 978
Delta R.T. 0.00 min
Lab File: BE092698.D
Acq: 31 Jan 2017 22:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	71.4	107.0
160	44.1	27.4	41.2#

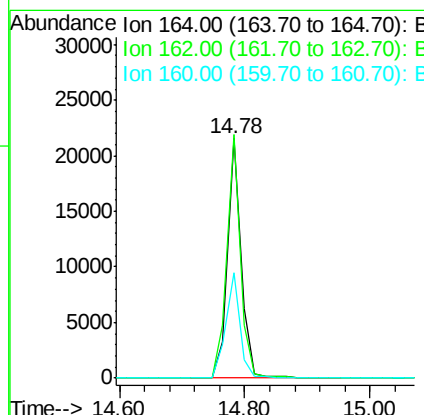
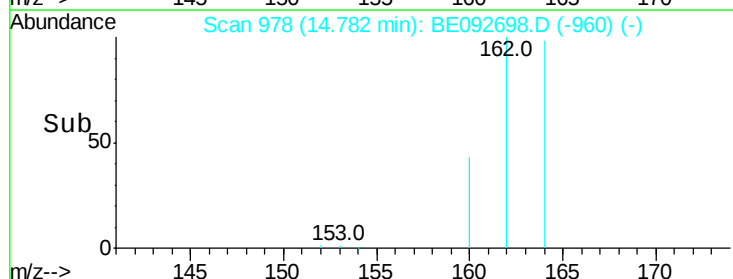


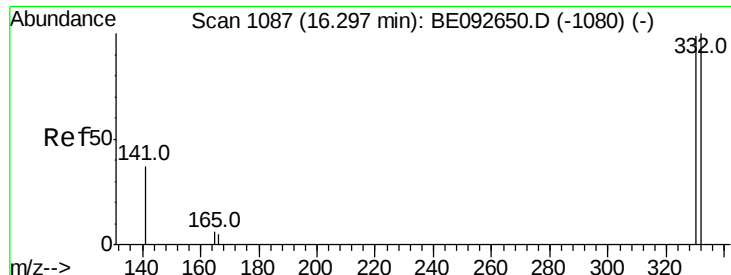
Abundance

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





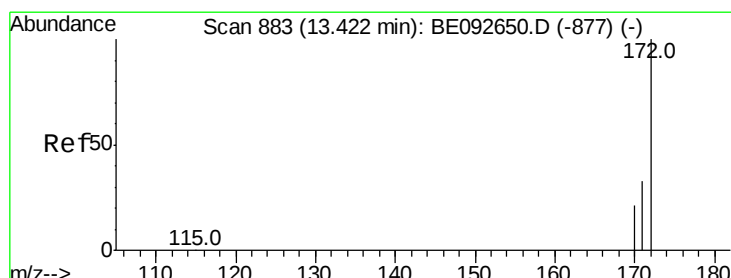
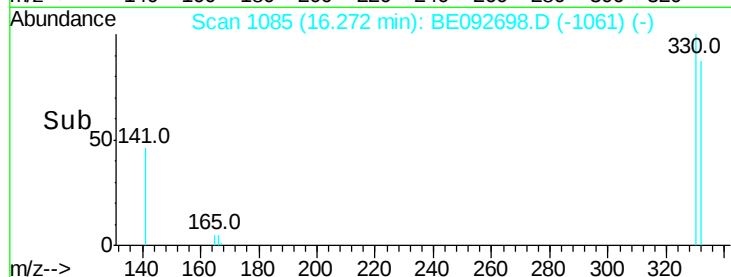
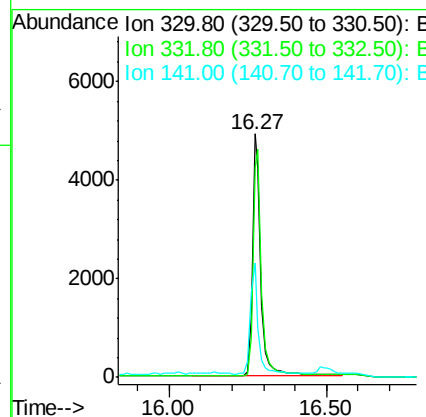
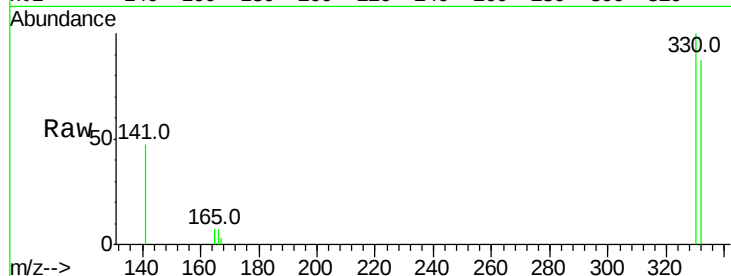
#13
 2,4,6-Tribromophenol
 Concen: 9.61 ng
 RT: 16.27 min Scan# 1085
 Delta R.T. -0.02 min
 Lab File: BE092698.D
 Acq: 31 Jan 2017 22:07

Instrument :
 BNA_E
 ClientSampleId :
 SB-01C

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.4	113.0
141	43.8	31.0	46.6

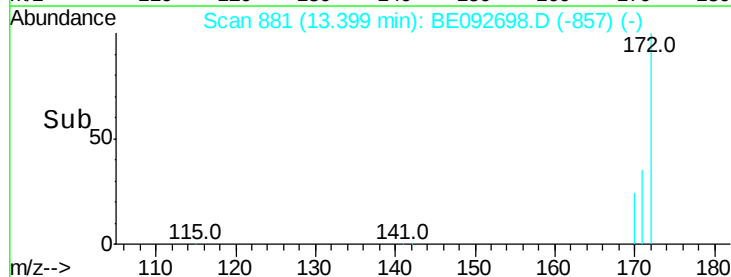
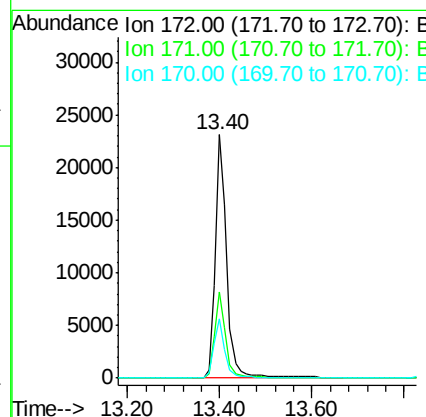
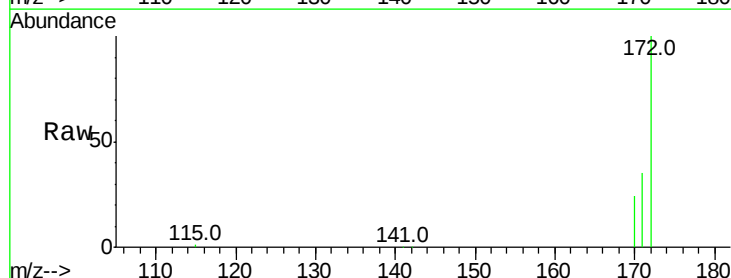
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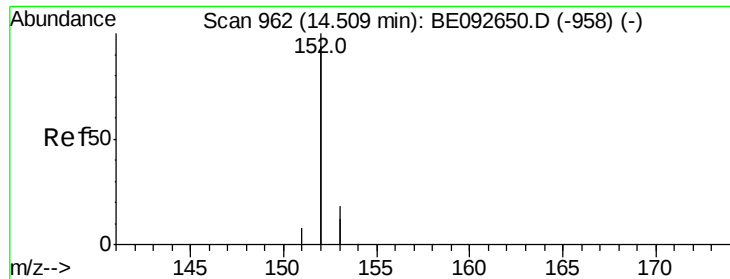
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#14
 2-Fluorobiphenyl
 Concen: 5.05 ng
 RT: 13.40 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BE092698.D
 Acq: 31 Jan 2017 22:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.1	45.1
170	24.3	21.8	32.6





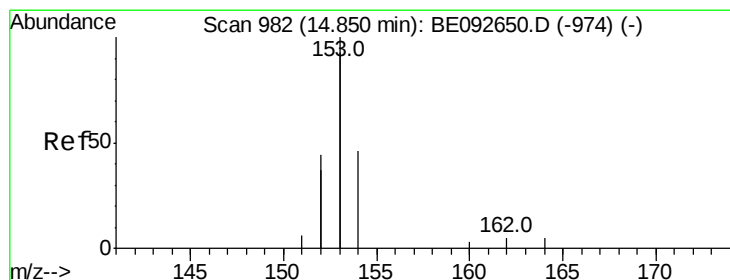
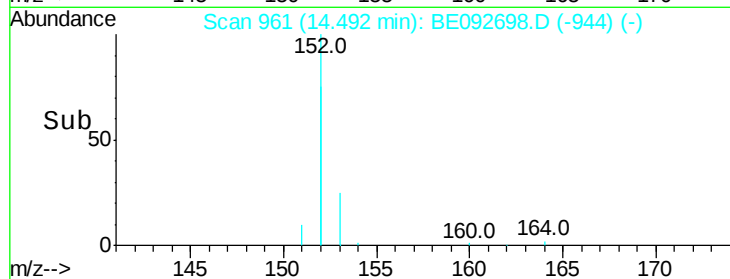
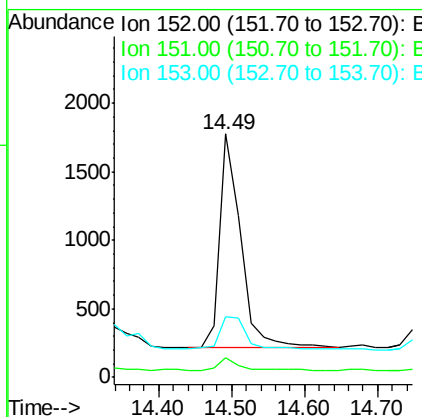
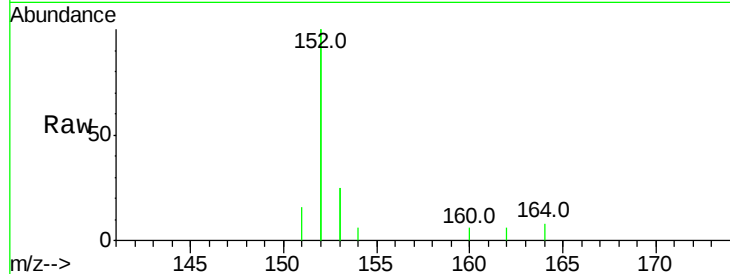
#15
Acenaphthylene
Concen: 0.07 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092698.D
Acq: 31 Jan 2017 22:07

Instrument :
BNA_E
ClientSampleId :
SB-01C

Tot Ion	Ratio	Lower	Upper
152	100		
151	5.7	3.9	5.9
153	18.6	10.4	15.6

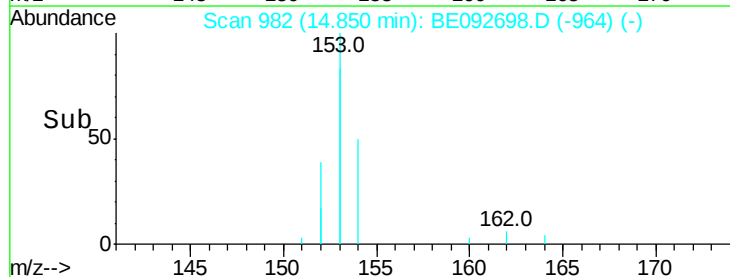
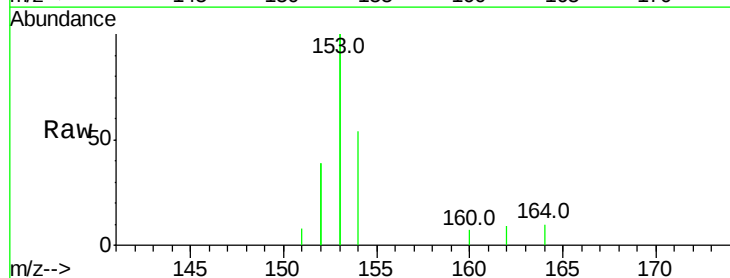
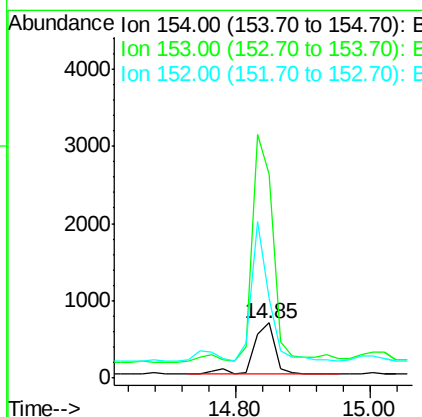
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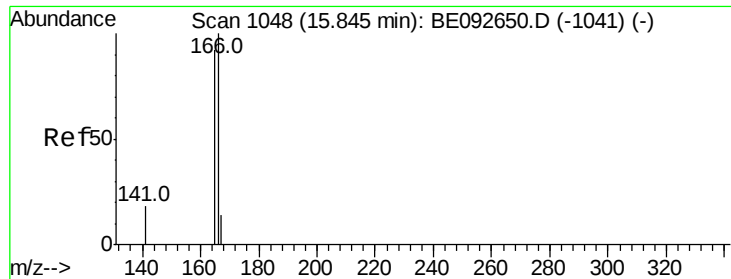
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#16
Acenaphthene
Concen: 0.20 ng
RT: 14.85 min Scan# 982
Delta R.T. 0.00 min
Lab File: BE092698.D
Acq: 31 Jan 2017 22:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	415.5	350.8	526.2
152	216.9	171.1	256.7





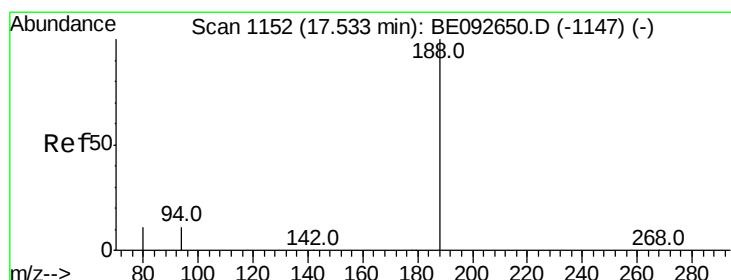
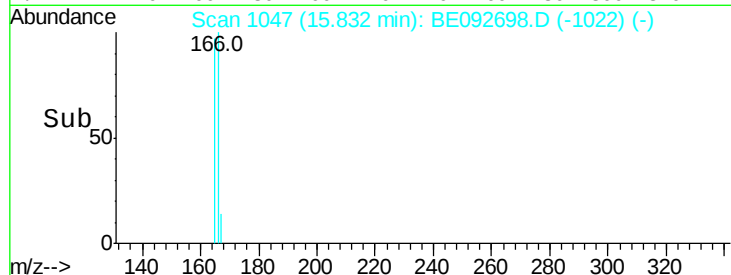
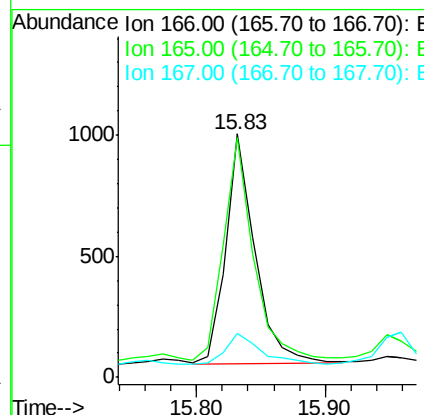
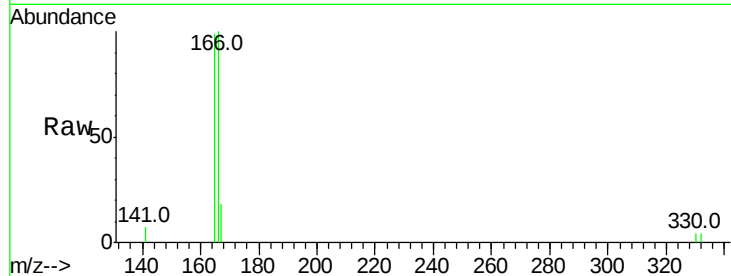
#17
Fluorene
 Concen: 0.17 ng
 RT: 15.83 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BE092698.D
 Acq: 31 Jan 2017 22:07

Instrument :
 BNA_E
 ClientSampleId :
 SB-01C

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.2	117.4
167	16.1	11.0	16.4

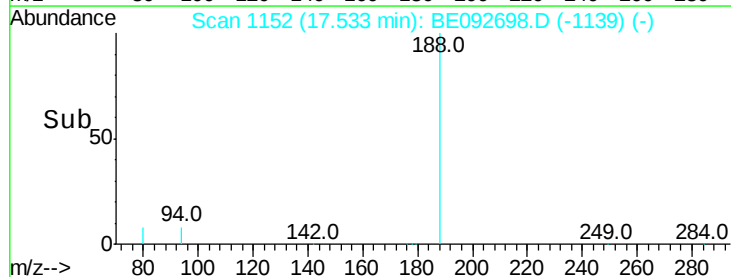
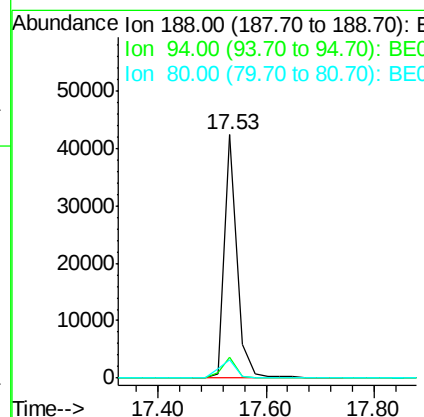
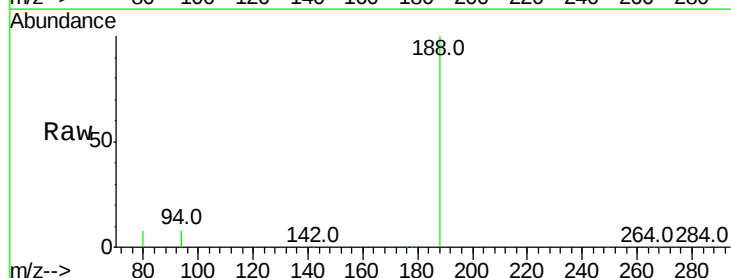
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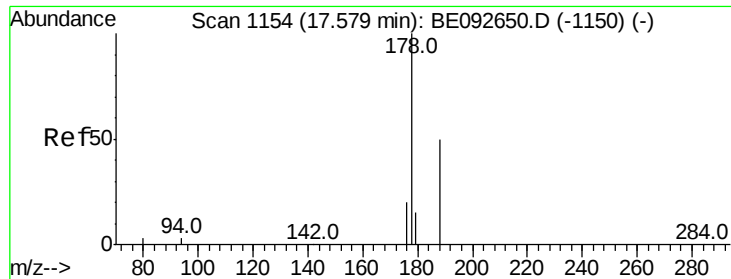
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.53 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BE092698.D
 Acq: 31 Jan 2017 22:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	3.2	4.8#
80	7.8	2.6	3.8#





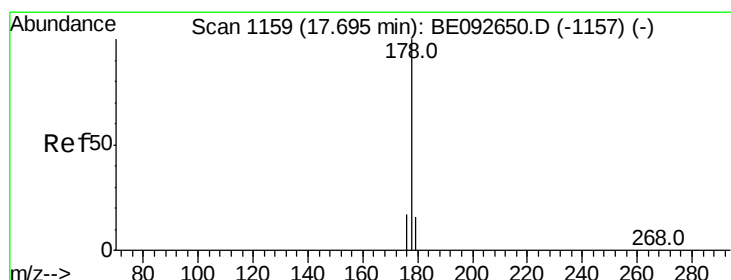
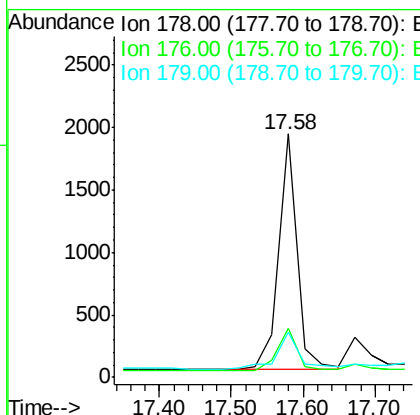
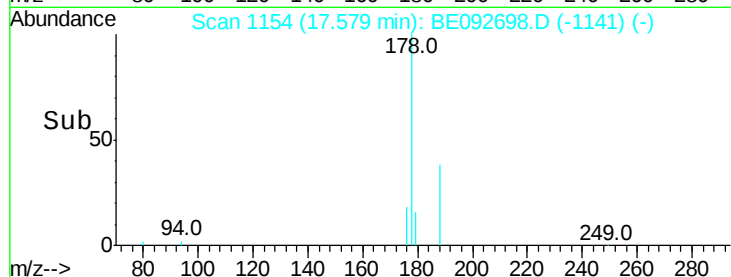
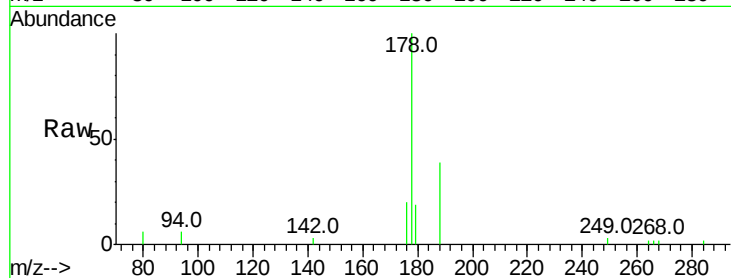
#21
Phenanthrene
Concen: 0.22 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092698.D
Acq: 31 Jan 2017 22:07

Instrument :
BNA_E
ClientSampled :
SB-01C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	19.2	16.0	24.0

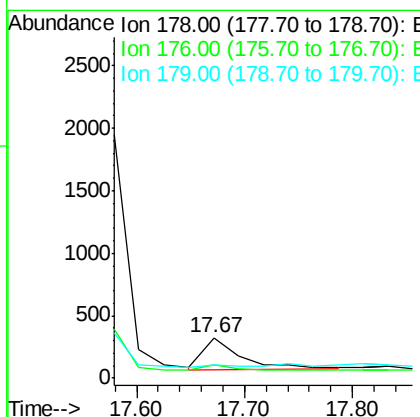
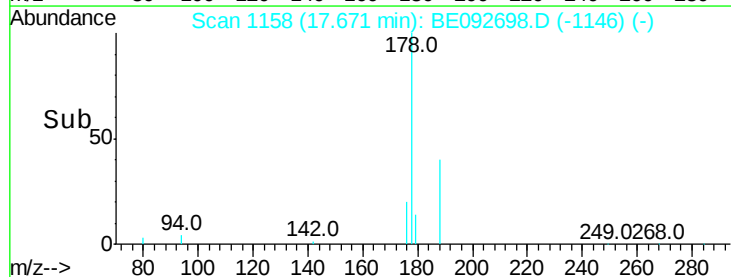
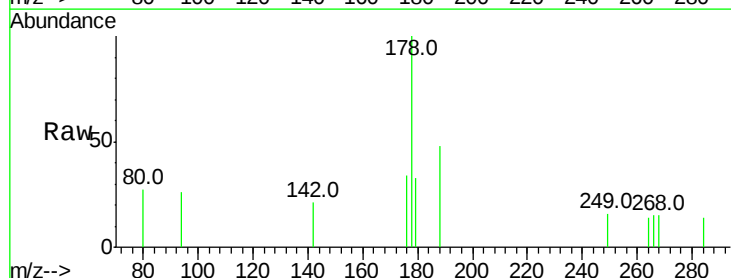
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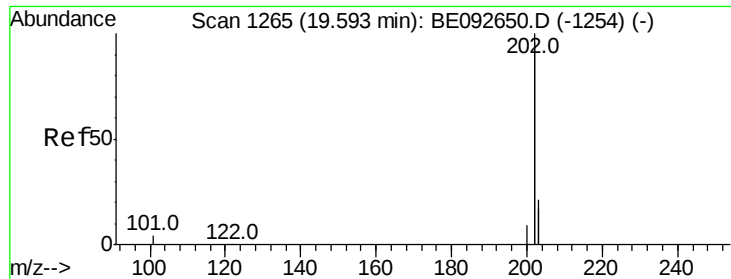
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#22
Anthracene
Concen: 0.05 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092698.D
Acq: 31 Jan 2017 22:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	16.7	12.2	18.2





#23

Fluoranthene

Concen: 0.09 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092698.D

Acq: 31 Jan 2017 22:07

Instrument :

BNA_E

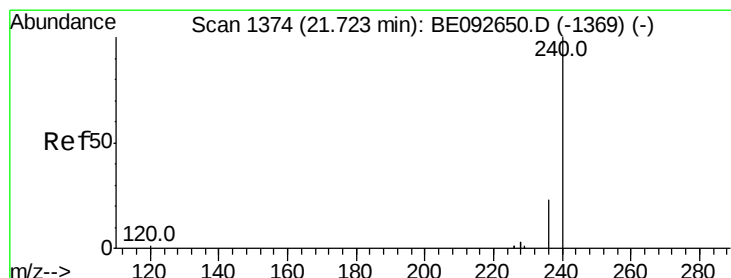
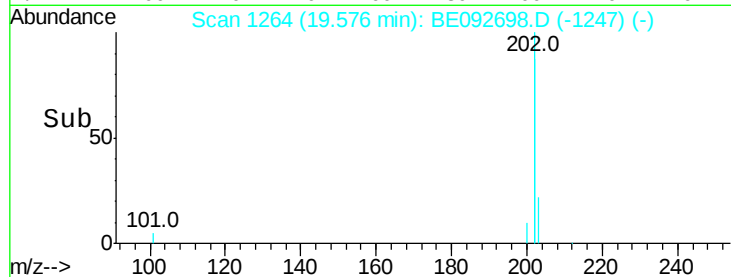
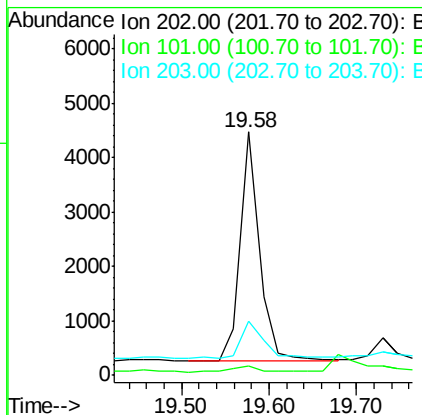
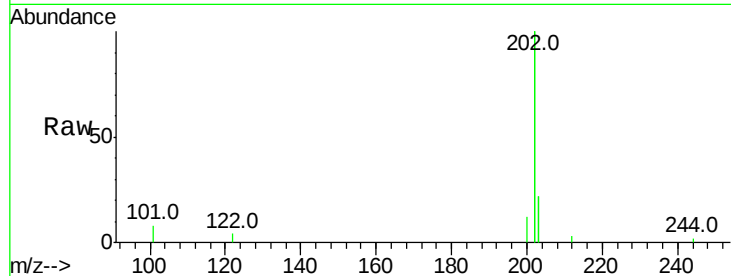
ClientSampleId :

SB-01C

Tot Ion:	202	Resp:	6455
Ion Ratio	Lower	Upper	
202	100		
101	3.8	2.2	3.4#
203	18.5	13.7	20.5

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#24

Chrysene-d12

Concen: 5.00 ng

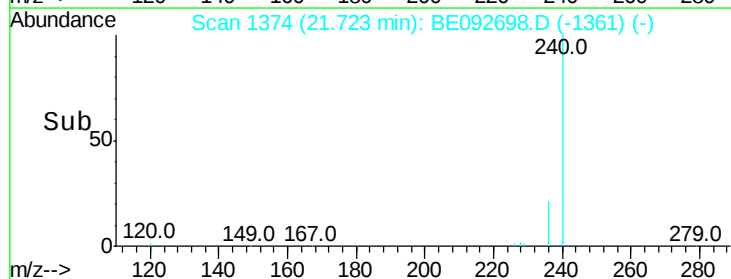
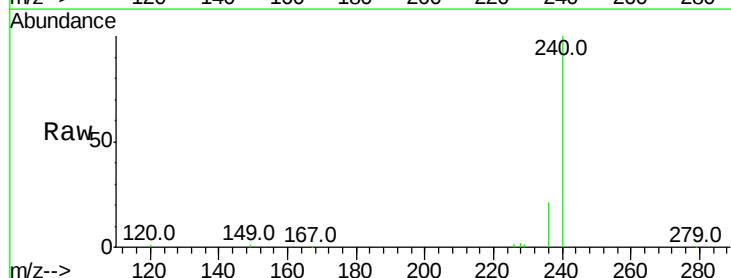
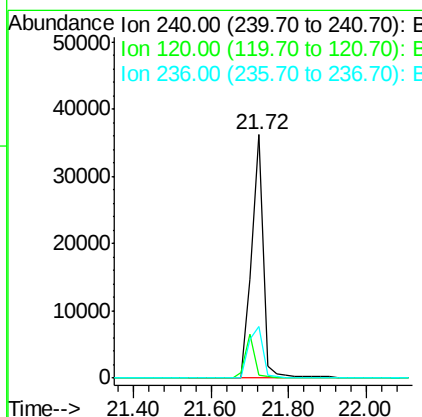
RT: 21.72 min Scan# 1374

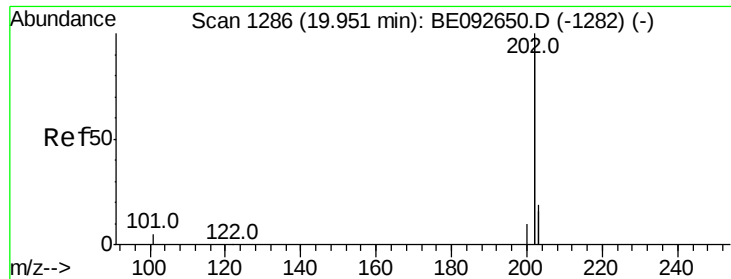
Delta R.T. 0.00 min

Lab File: BE092698.D

Acq: 31 Jan 2017 22:07

Tgt Ion:	240	Resp:	73967
Ion Ratio	Lower	Upper	
240	100		
120	1.0	2.6	4.0#
236	21.4	24.6	37.0#





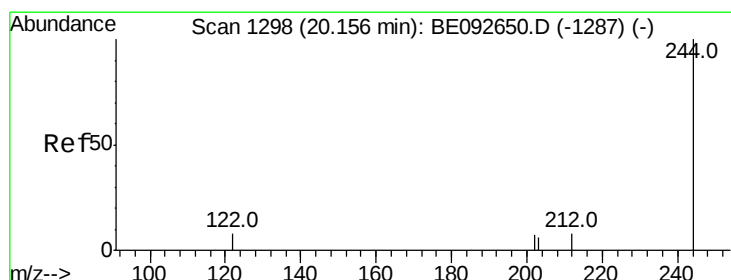
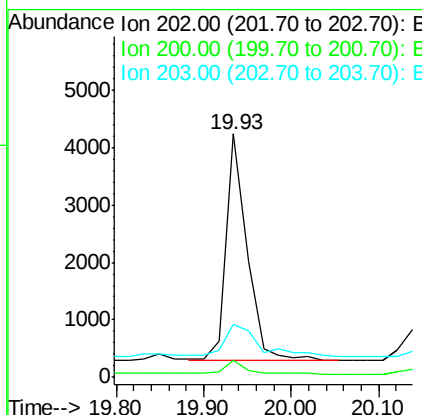
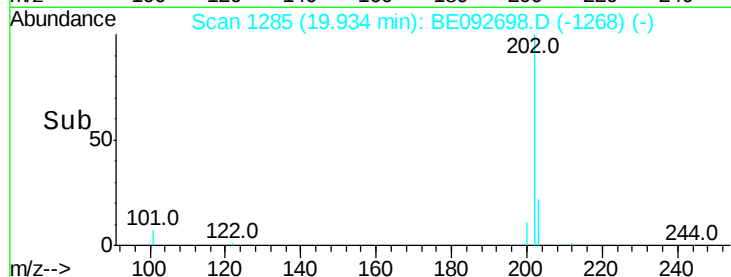
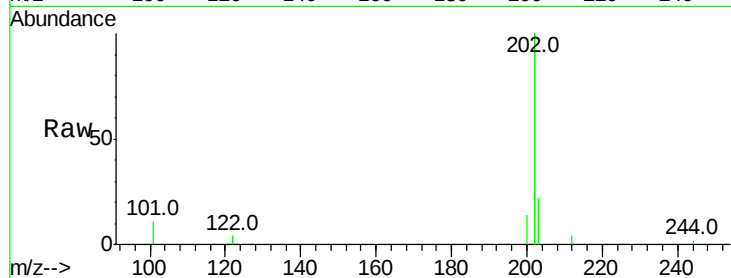
#25
Pvrene
Concen: 0.09 ng
RT: 19.93 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BE092698.D
Acq: 31 Jan 2017 22:07

Instrument :
BNA_E
ClientSampled :
SB-01C

Tot Ion	Ratio	Lower	Upper
202	100		
200	5.6	4.2	6.4
203	25.3	13.9	20.9#

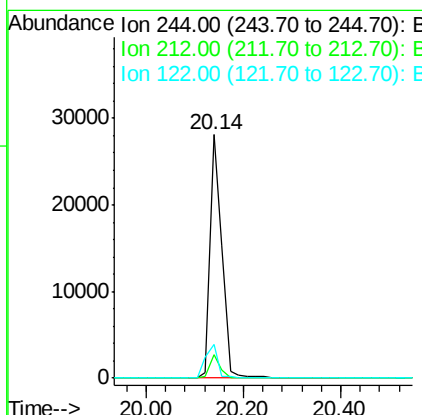
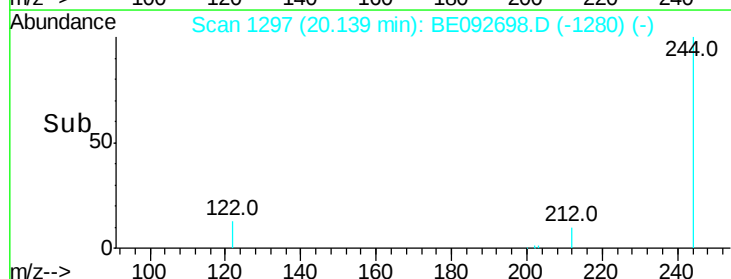
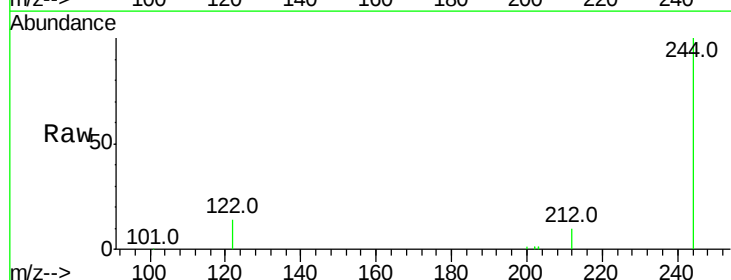
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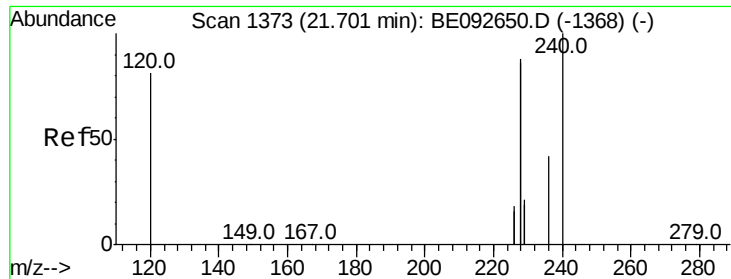
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#26
Terphenyl-d14
Concen: 4.46 ng
RT: 20.14 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BE092698.D
Acq: 31 Jan 2017 22:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.8	6.7	10.1
122	13.6	3.6	5.4#





#27

Benzo(a)anthracene

Concen: 0.06 ng m

RT: 21.70 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092698.D

Acq: 31 Jan 2017 22:07

Instrument :

BNA_E

ClientSampled :

SB-01C

Tot Ion:228 Resp: 4397

Ion Ratio Lower Upper

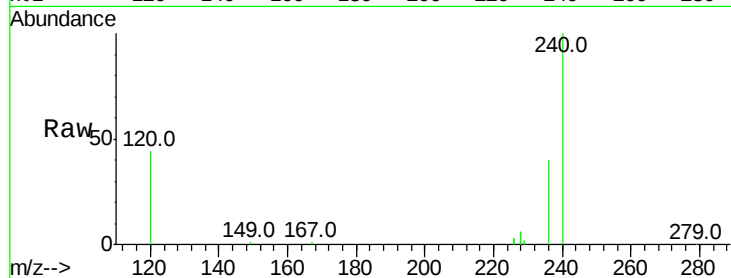
228 100

226 44.4 23.6 35.4#

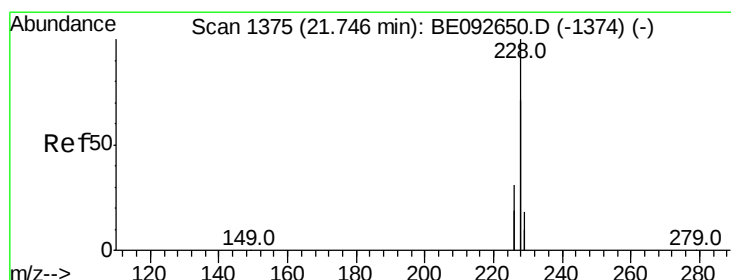
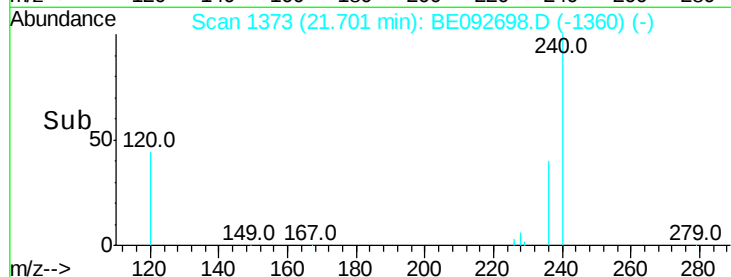
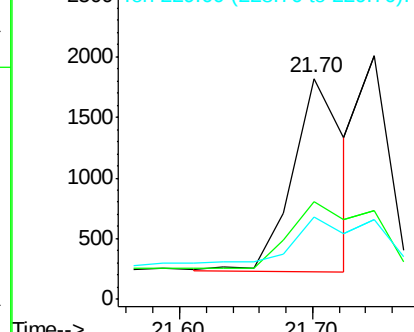
229 37.4 13.3 19.9#

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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: 0.04 ng m

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092698.D

Acq: 31 Jan 2017 22:07

Tgt Ion:228 Resp: 2941

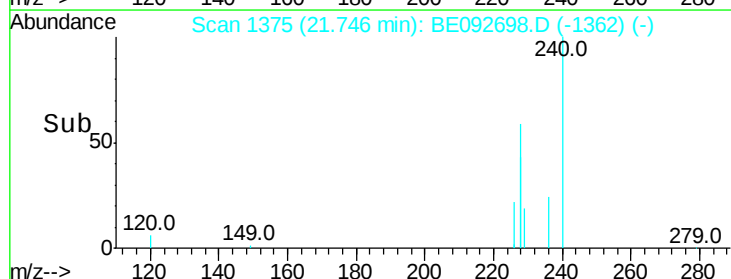
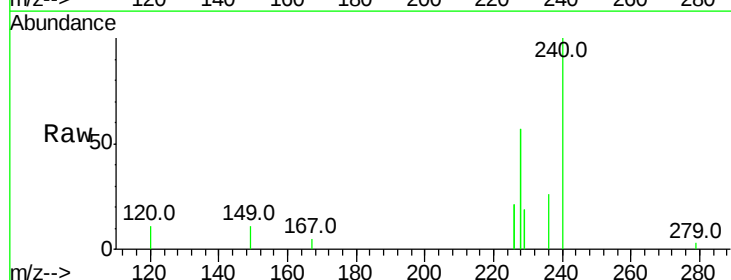
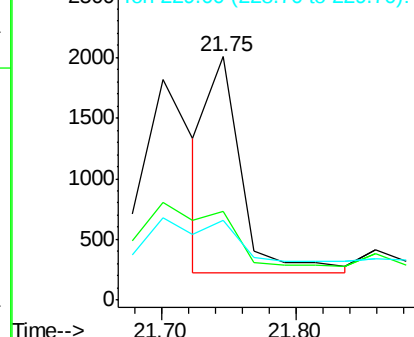
Ion Ratio Lower Upper

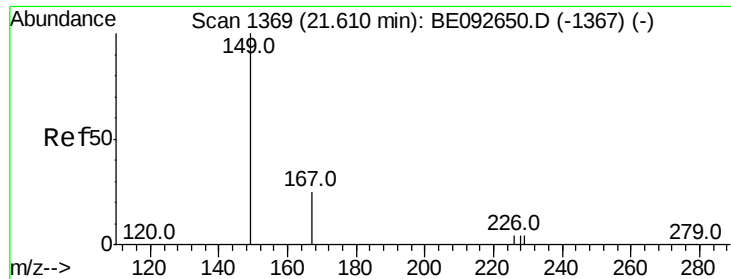
228 100

226 36.6 36.3 54.5

229 32.8 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





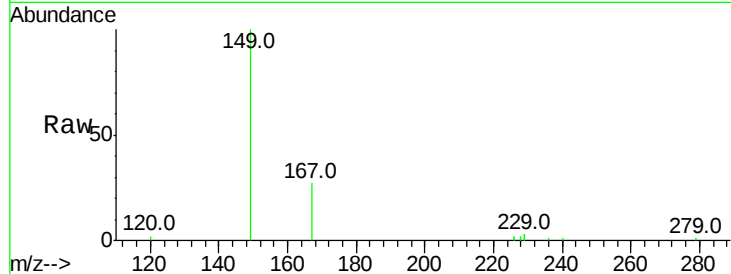
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.71 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BE092698.D
 Acq: 31 Jan 2017 22:07

Instrument :
 BNA_E
 ClientSampleId :
 SB-01C

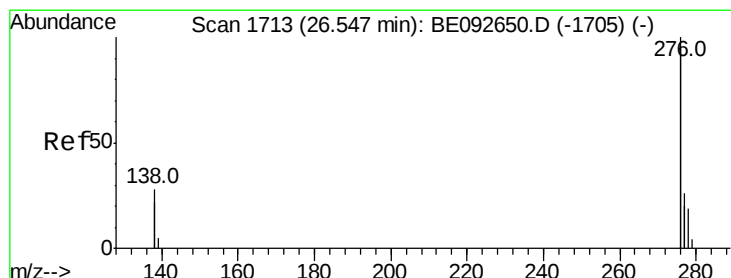
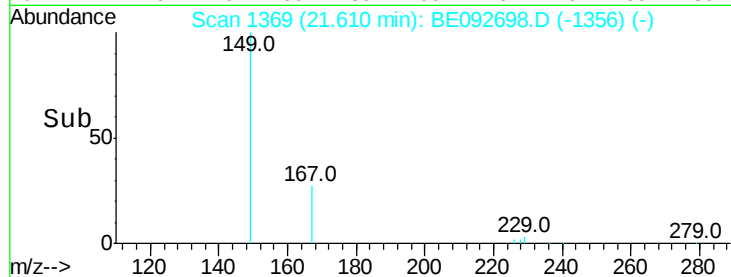
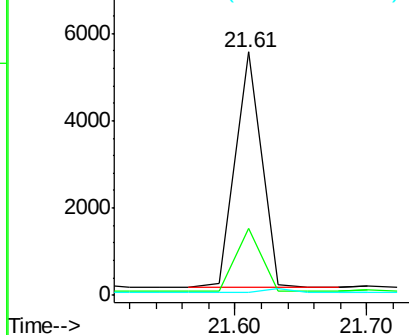
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.7	16.0	24.0#
279	0.0	16.0	24.0#

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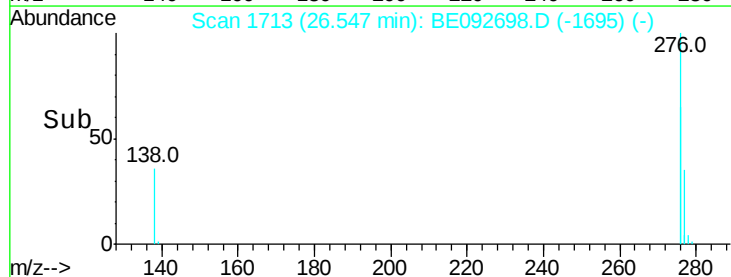
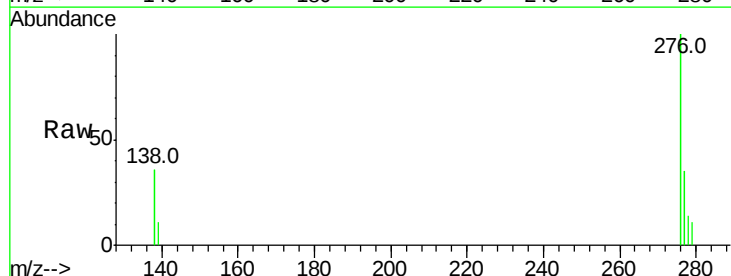
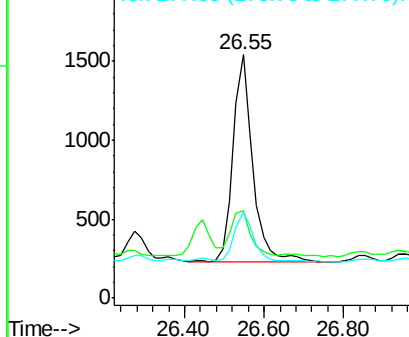
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

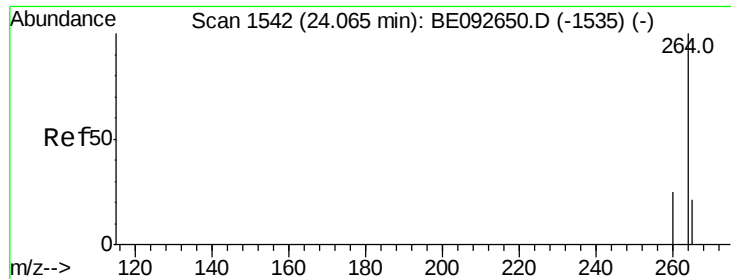


#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng
 RT: 26.55 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BE092698.D
 Acq: 31 Jan 2017 22:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.3	30.5
277	23.1	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





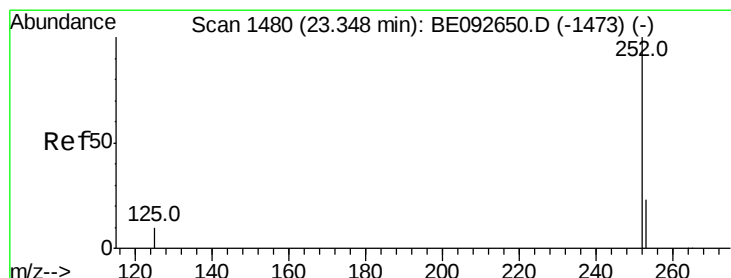
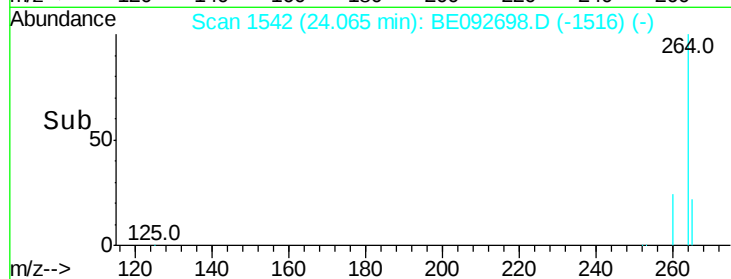
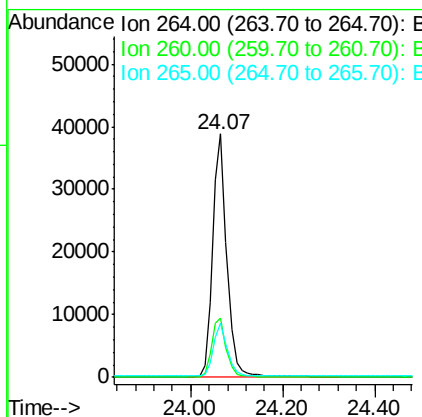
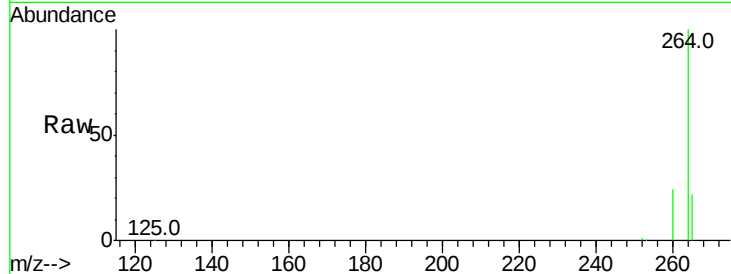
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.07 min Scan# 1542
Delta R.T. 0.00 min
Lab File: BE092698.D
Acq: 31 Jan 2017 22:07

Instrument :
BNA_E
ClientSampleId :
SB-01C

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.1	30.1
265	22.1	17.9	26.9

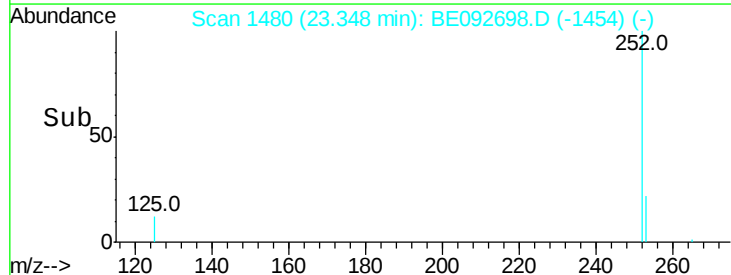
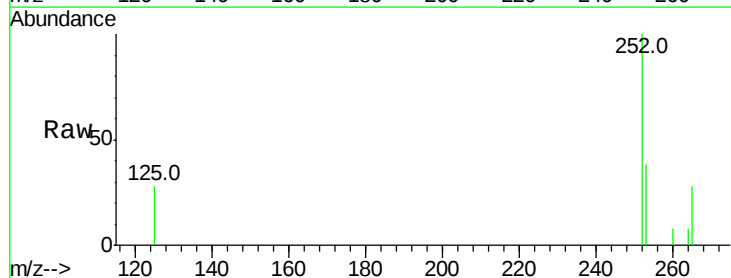
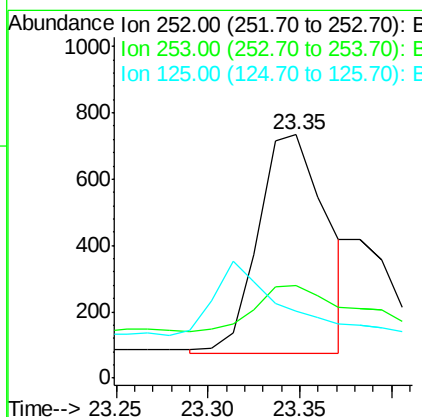
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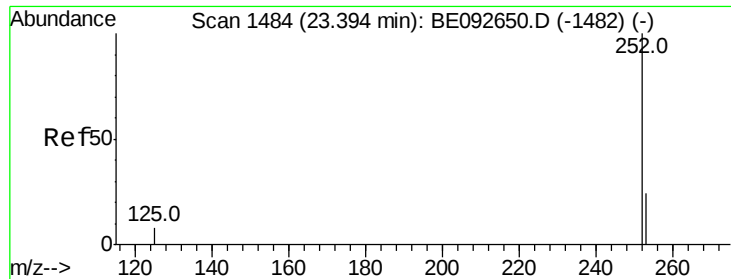
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#32
Benzo(b)fluoranthene
Concen: 0.09 ng m
RT: 23.35 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BE092698.D
Acq: 31 Jan 2017 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.3	18.7	28.1#
125	27.7	10.5	15.7#





#33

Benzo(k)fluoranthene

Concen: 0.03 ng m

RT: 23.37 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BE092698.D

Acq: 31 Jan 2017 22:07

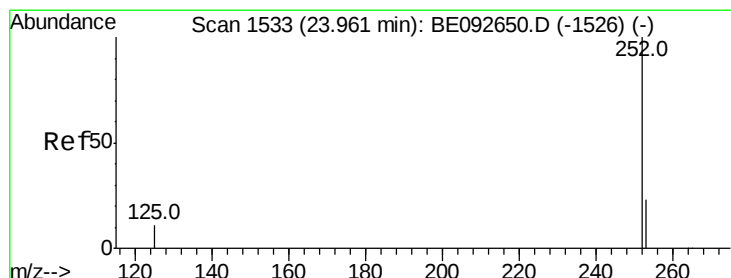
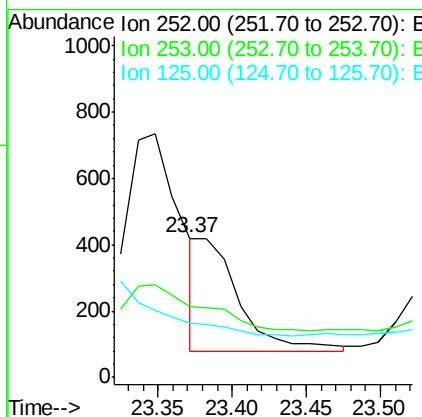
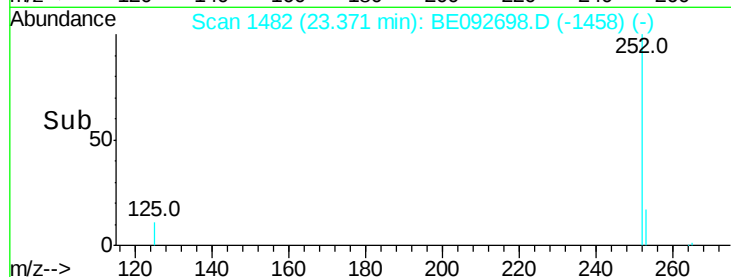
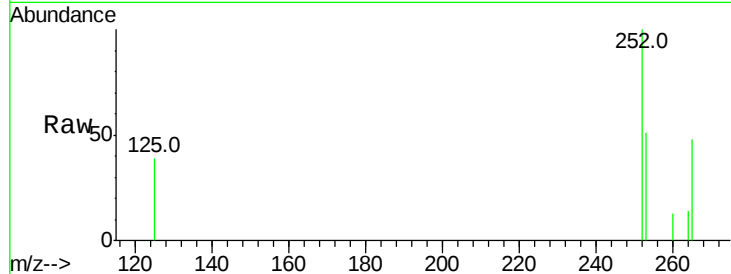
Instrument :
BNA_E

ClientSampled :
SB-01C

Tot Ion	Ratio	Lower	Upper
252	100		
253	51.0	20.3	30.5#
125	39.0	9.6	14.4#

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#34

Benzo(a)pyrene

Concen: 0.06 ng

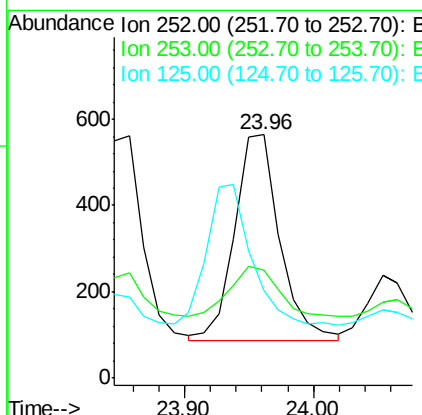
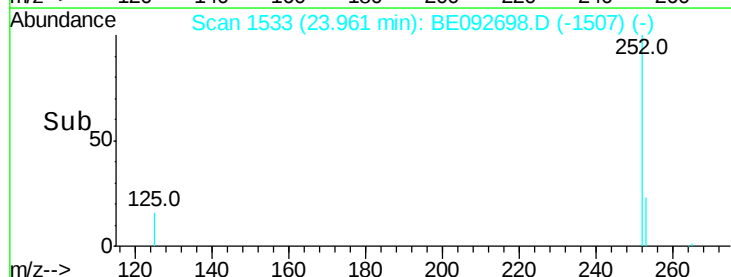
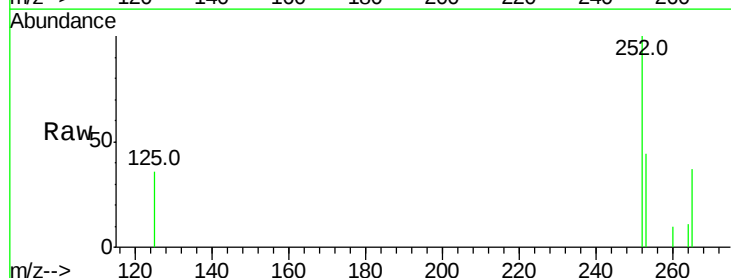
RT: 23.96 min Scan# 1533

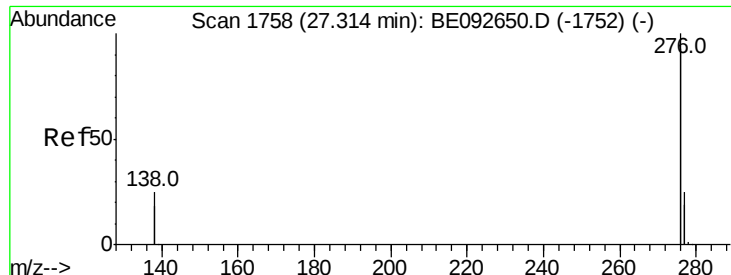
Delta R.T. 0.00 min

Lab File: BE092698.D

Acq: 31 Jan 2017 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	44.1	19.0	28.6#
125	35.8	11.8	17.8#





#36

Benzo(a,h,i)perylene

Concen: 0.06 ng

RT: 27.31 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BE092698.D

Acq: 31 Jan 2017 22:07

Instrument :

BNA_E

ClientSampleId :

SB-01C

Tot Ion:	276	Resp:	4925
Ion Ratio	Lower	Upper	
276	100		
277	36.2	19.8	29.8#
138	36.4	19.8	29.6#

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