

Data Path : Z:\HPCHEM1\BNA_E\Data\BE103116\
 Data File : BE092487.D
 Acq On : 31 Oct 2016 19:44
 Operator : UM/SJ
 Sample : H5475-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 WOOLSTON-TS-004MSD

Quant Time: Nov 01 11:14:18 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 15:25:33 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	11577	5.00	ng	0.00
7) Naphthalene-d8	10.95	136	53711	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	35679	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	68204	5.00	ng	0.00
24) Chrysene-d12	21.75	240	94049	5.00	ng	0.00
31) Perylene-d12	24.12	264	78440	5.00	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	29360	13.57	ng	-0.02
5) Phenol-d6	7.34	99	43930	13.49	ng	-0.02
8) Nitrobenzene-d5	9.32	82	19962	5.21	ng	-0.05
13) 2,4,6-Tribromophenol	16.31	330	12850	13.21	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	42078	4.84	ng	-0.01
26) Terphenyl-d14	20.17	244	57904	4.98	ng	-0.02

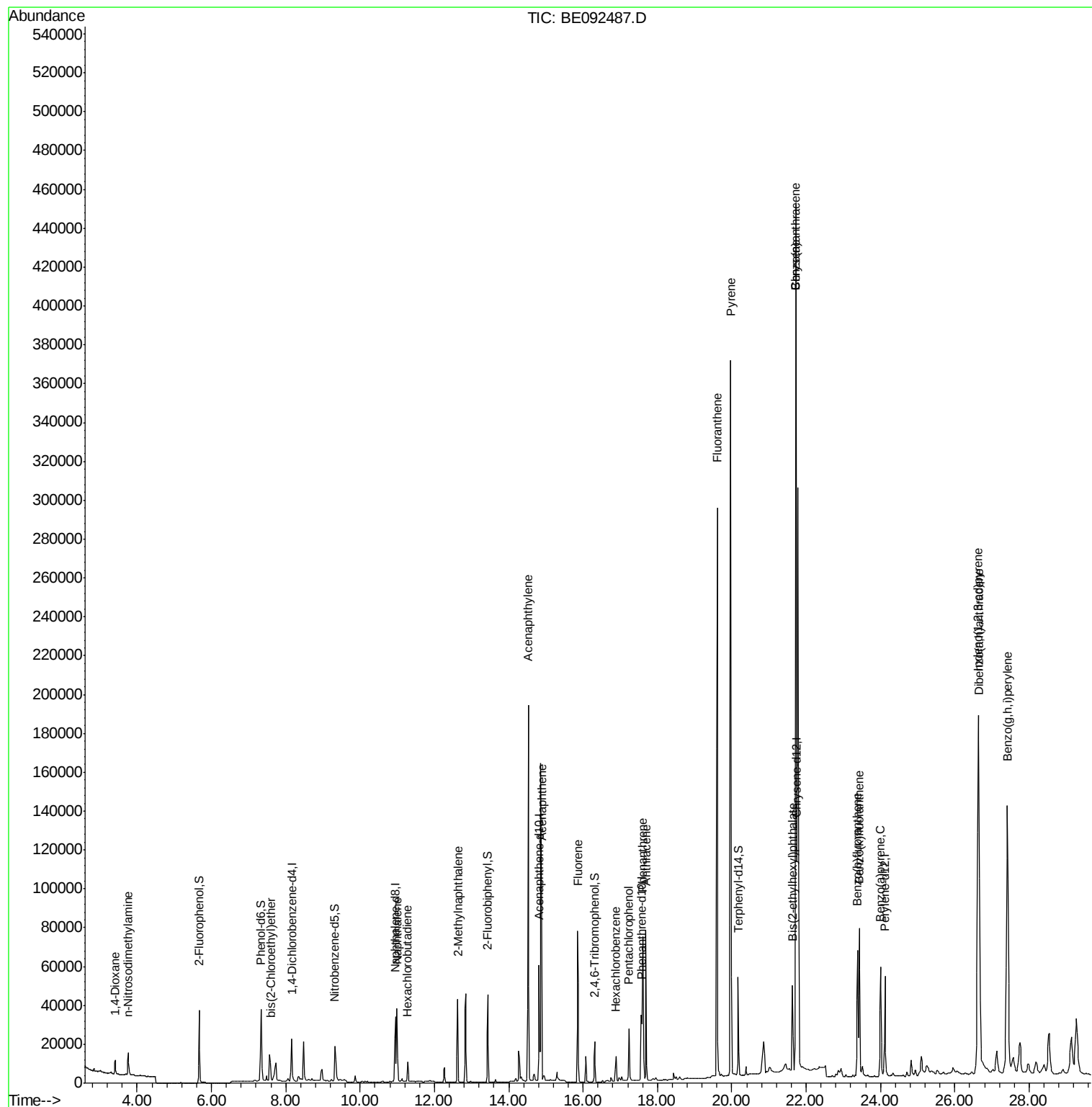
Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	4637	3.73	ng	# 55
3) n-Nitrosodimethylamine	3.74	42	8953	4.61	ng	# 96
6) bis(2-Chloroethyl)ether	7.59	93	14298	4.35	ng	# 27
9) Naphthalene	10.99	128	51888	4.47	ng	# 95
10) Hexachlorobutadiene	11.28	225	7754	4.35	ng	100
11) 2-Methylnaphthalene	12.62	142	35865	4.78	ng	# 85
15) Acenaphthylene	14.53	152	245018	4.80	ng	100
16) Acenaphthene	14.88	154	36659	4.50	ng	95
17) Fluorene	15.86	166	49374	5.07	ng	100
19) Hexachlorobenzene	16.89	284	14436	4.73	ng	# 62
20) Pentachlorophenol	17.23	266	19398	22.86	ng	85
21) Phenanthrene	17.60	178	86714	4.92	ng	# 95
22) Anthracene	17.70	178	89915	5.67	ng	99
23) Fluoranthene	19.61	202	397589	5.69	ng	97
25) Pyrene	19.97	202	405625	4.95	ng	98
27) Benzo(a)anthracene	21.72	228	804876	9.25	ng	92
28) Chrysene	21.72	228	806249	8.82	ng	# 72
29) Bis(2-ethylhexyl)phthalate	21.63	149	64968	6.18	ng	# 73
30) Indeno(1,2,3-cd)pyrene	26.63	276	400944	4.97	ng	# 94
32) Benzo(b)fluoranthene	23.38	252	91513	4.68	ng	97
33) Benzo(k)fluoranthene	23.43	252	89404	4.62	ng	# 74
34) Benzo(a)pyrene	24.01	252	91032	5.15	ng	98
35) Dibenzo(a,h)anthracene	26.65	278	84653	5.13	ng	# 94
36) Benzo(g,h,i)perylene	27.42	276	342473	4.81	ng	99

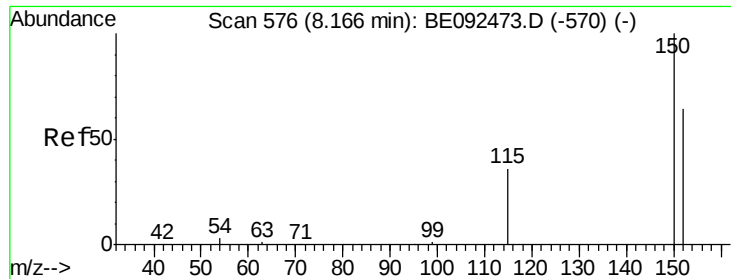
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 8 Sample Multiplier: 1

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Quant Time: Nov 01 11:14:18 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 25 15:25:33 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MSD

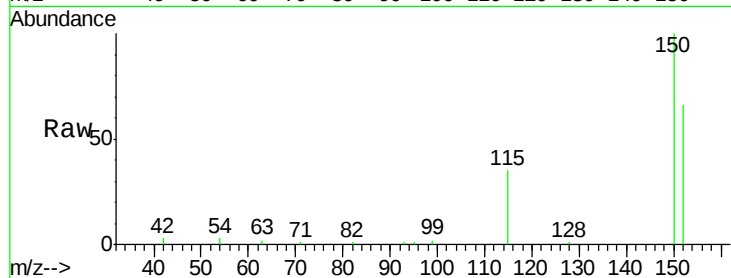
Tgt Ion:152 Resp: 11577

Ion Ratio Lower Upper

152 100

150 150.7 106.0 159.0

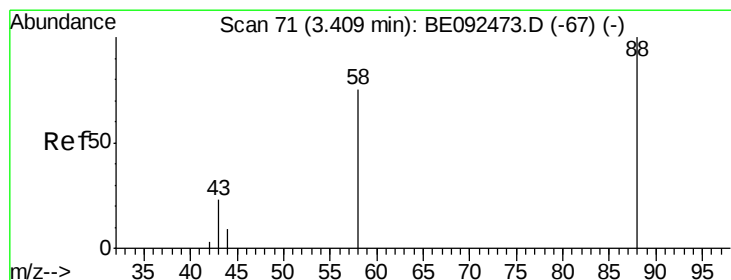
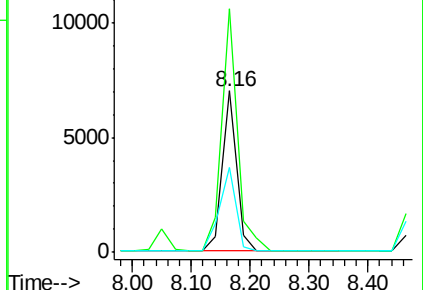
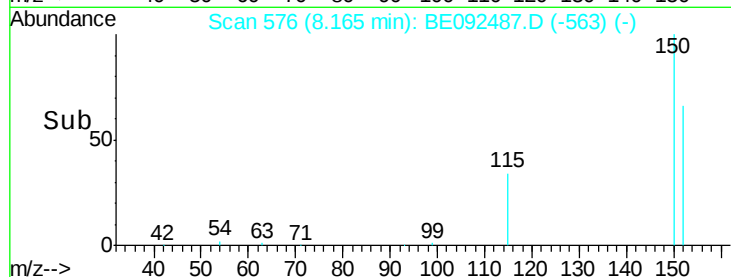
115 52.7 31.2 46.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.73 ng

RT: 3.41 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

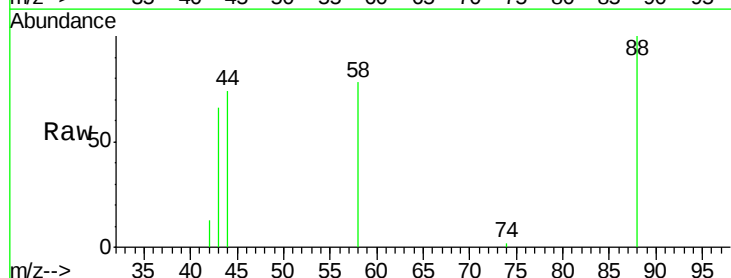
Tgt Ion: 88 Resp: 4637

Ion Ratio Lower Upper

88 100

58 88.1 63.6 95.4

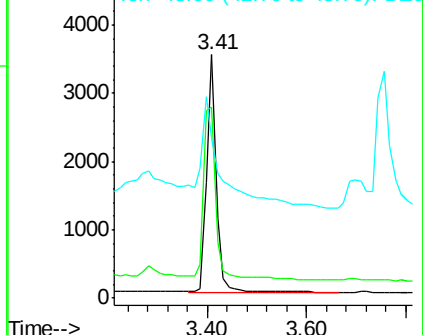
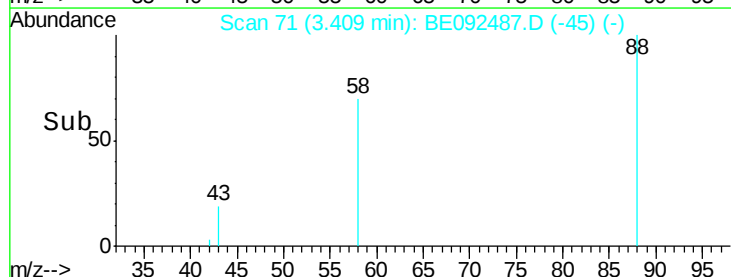
43 107.2 28.0 42.0#

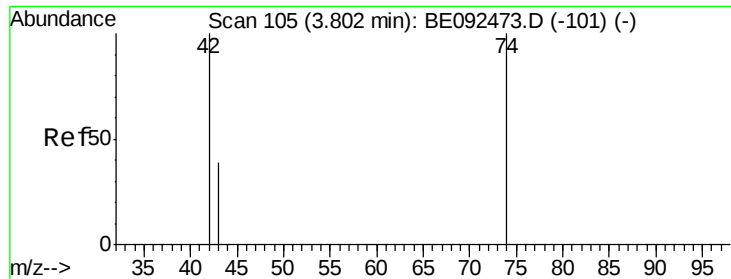


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.61 ng

RT: 3.74 min Scan# 100

Delta R.T. -0.06 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MSD

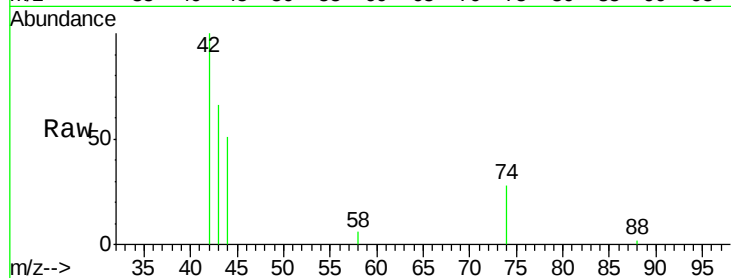
Tgt Ion: 42 Resp: 8953

Ion Ratio Lower Upper

42 100

74 109.0 86.0 129.0

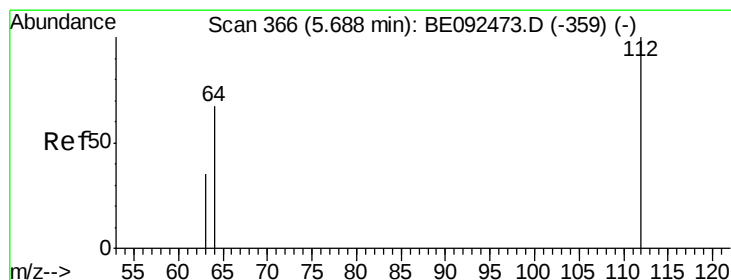
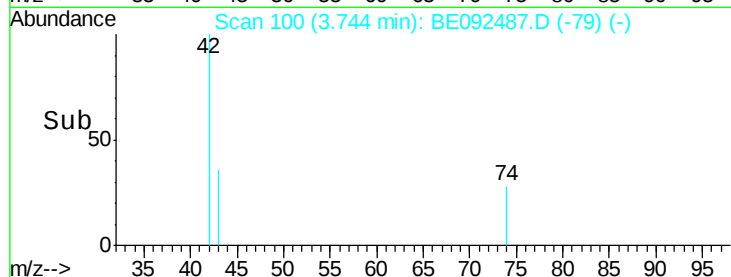
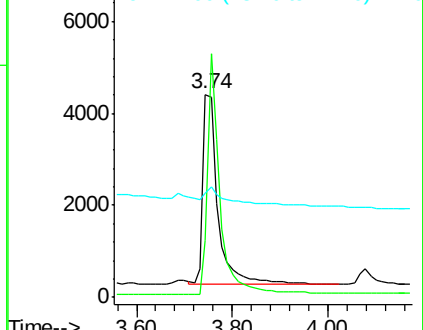
44 22.2 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 13.57 ng

RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

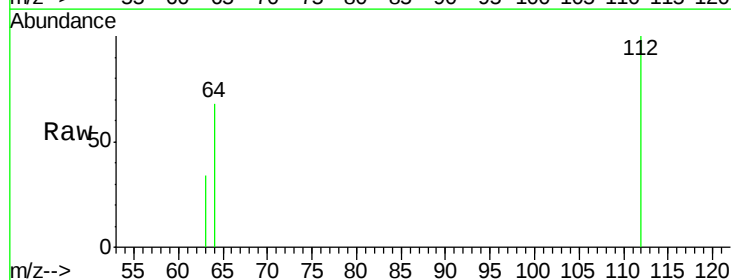
Tgt Ion: 112 Resp: 29360

Ion Ratio Lower Upper

112 100

64 69.0 53.5 80.3

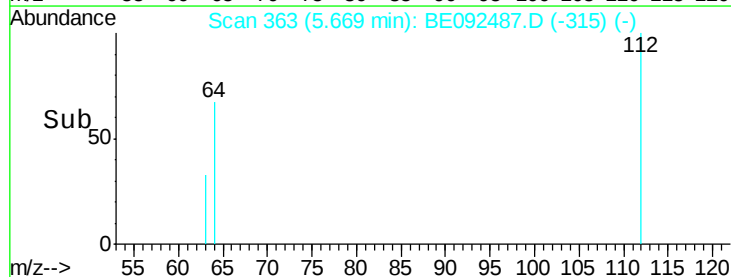
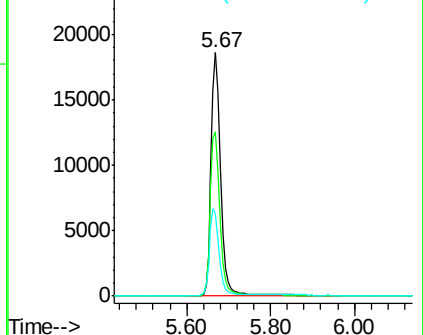
63 36.5 27.9 41.9

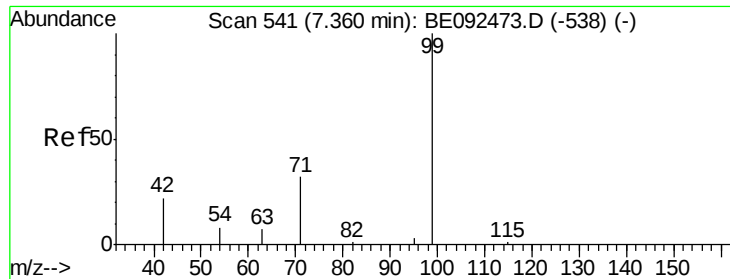


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 13.49 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MSD

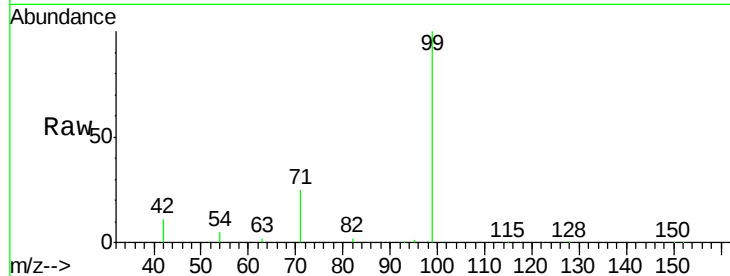
Tgt Ion: 99 Resp: 43930

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

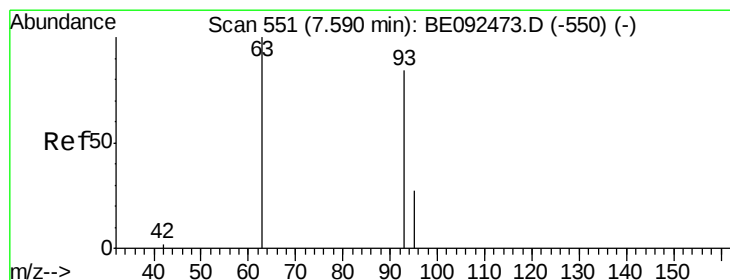
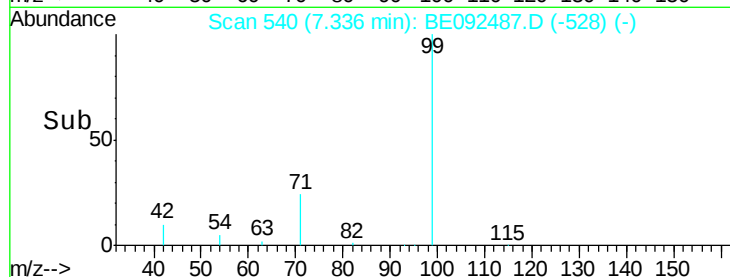
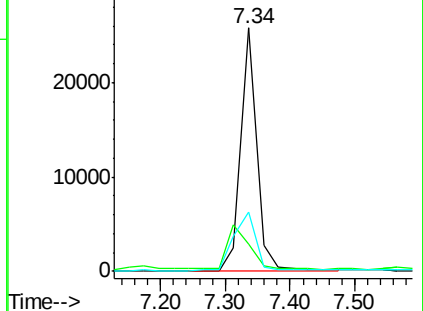
71 33.2 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 4.35 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

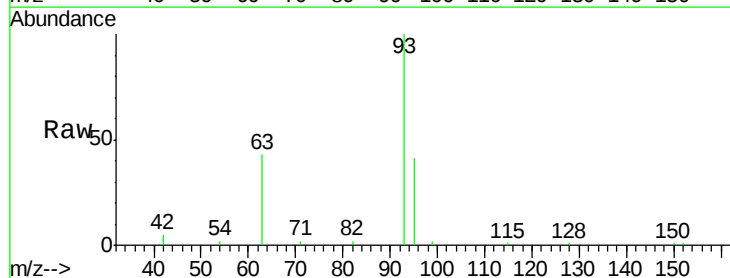
Tgt Ion: 93 Resp: 14298

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

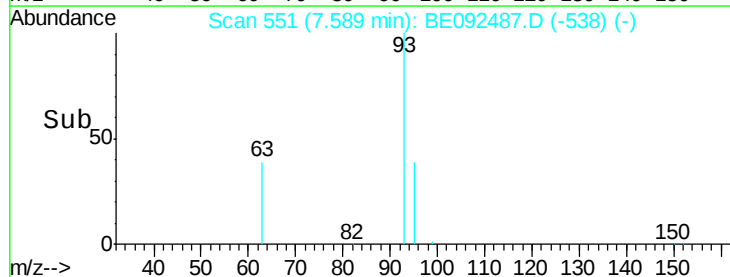
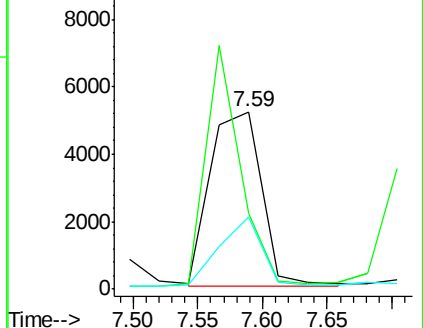
95 32.8 24.0 36.0

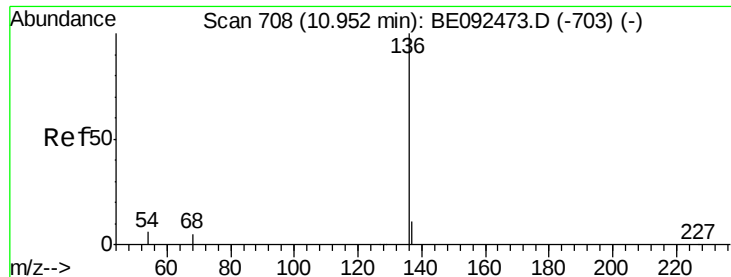


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

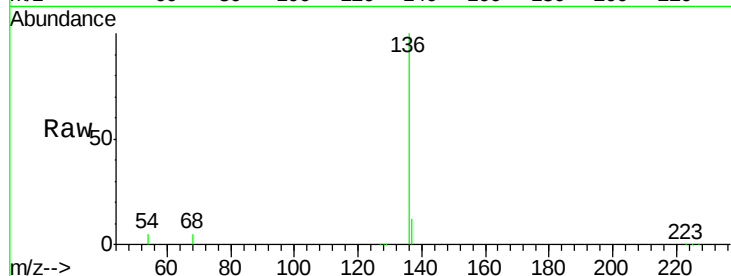
Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MSD

Tgt Ion:	136	Resp:	53711
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.2	12.4
54	5.4	9.6	14.4#
68	4.9	6.7	10.1#



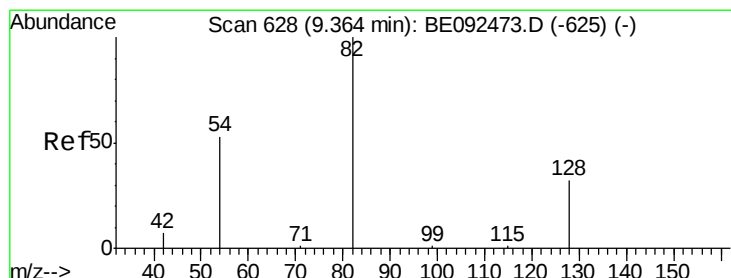
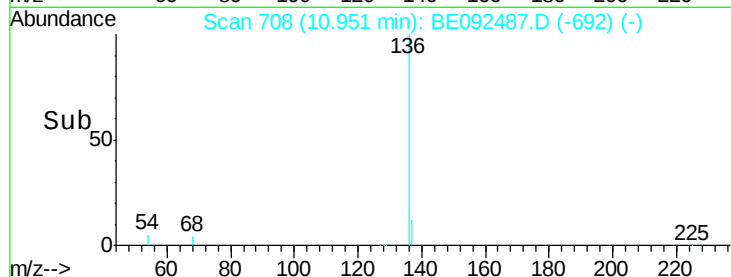
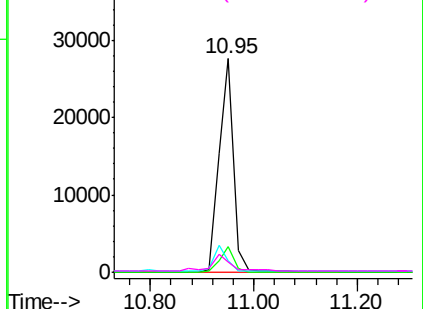
Abundance

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: 5.21 ng

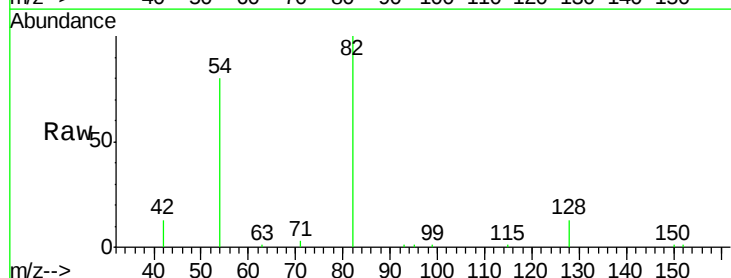
RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Tgt Ion:	82	Resp:	19962
Ion	Ratio	Lower	Upper
82	100		
128	12.7	39.0	58.4#
54	80.2	44.8	67.2#

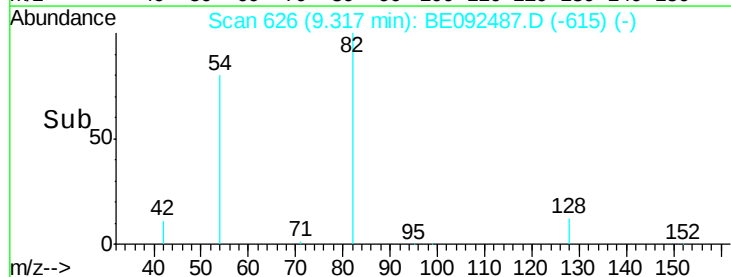
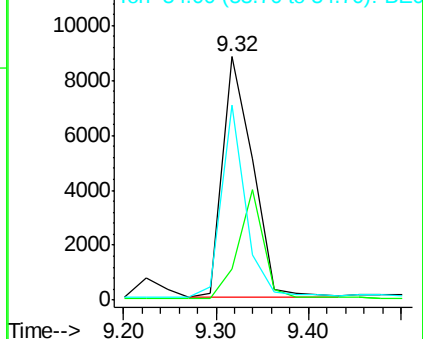


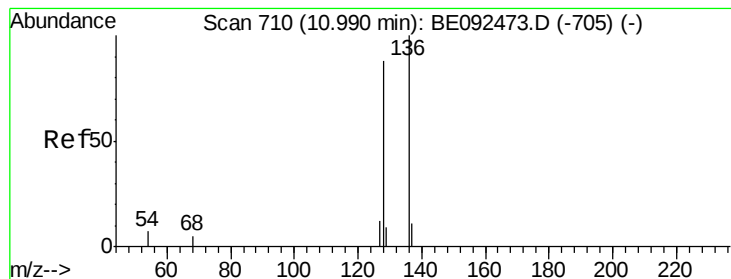
Abundance

Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 4.47 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MSD

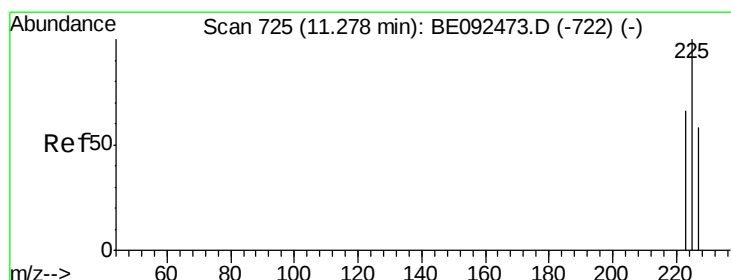
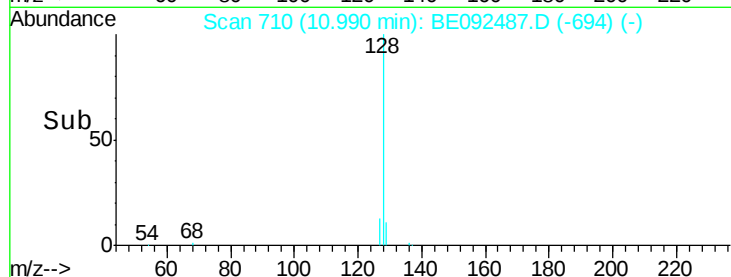
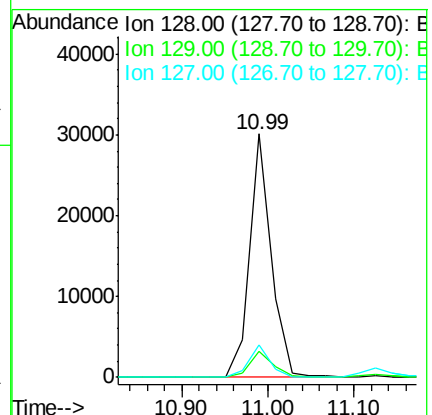
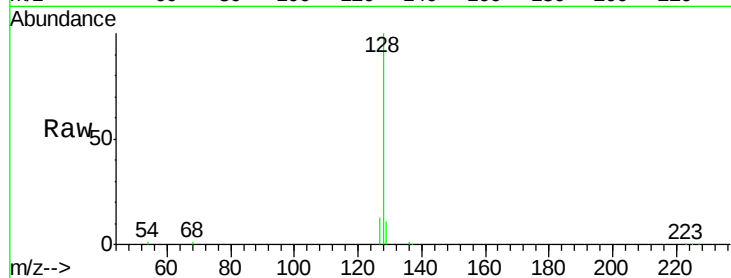
Tgt Ion:128 Resp: 51888

Ion Ratio Lower Upper

128 100

129 10.8 11.2 16.8#

127 13.2 11.6 17.4



#10

Hexachlorobutadiene

Concen: 4.35 ng

RT: 11.28 min Scan# 725

Delta R.T. -0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

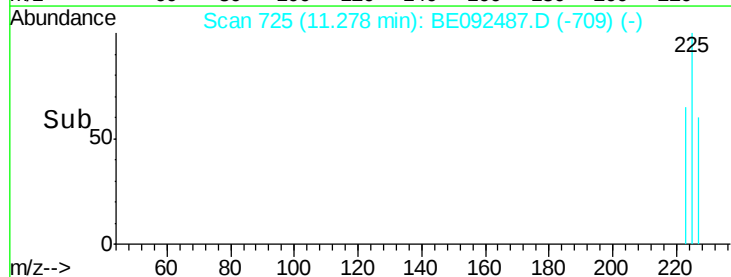
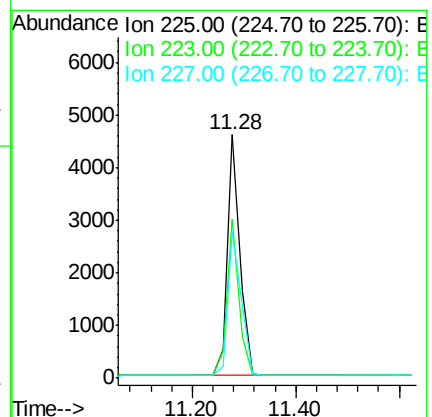
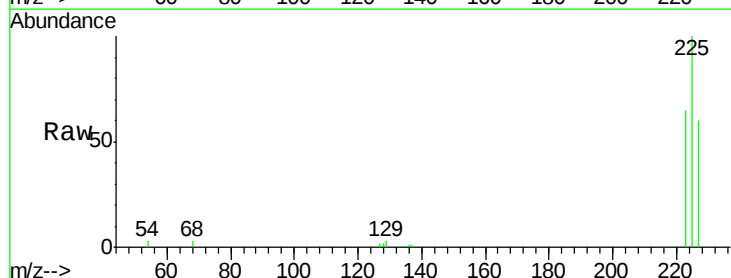
Tgt Ion:225 Resp: 7754

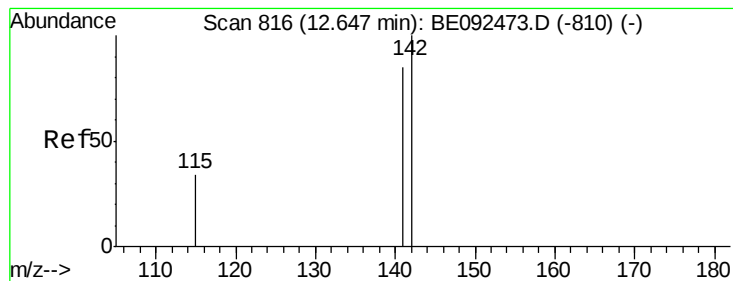
Ion Ratio Lower Upper

225 100

223 62.7 50.6 76.0

227 64.2 51.4 77.0





#11

2-Methylnaphthalene

Concen: 4.78 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.02 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Instrument :

BNA_E

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WOOLSTON-TS-004MSD

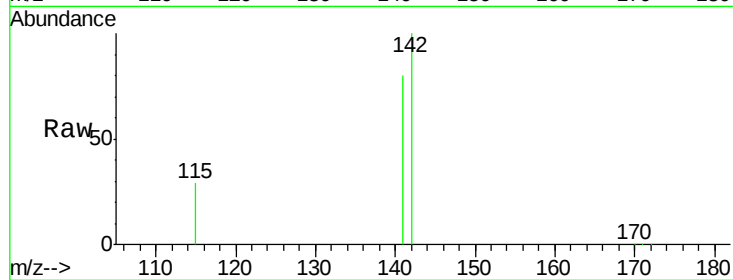
Tgt Ion:142 Resp: 35865

Ion Ratio Lower Upper

142 100

141 80.0 73.7 110.5

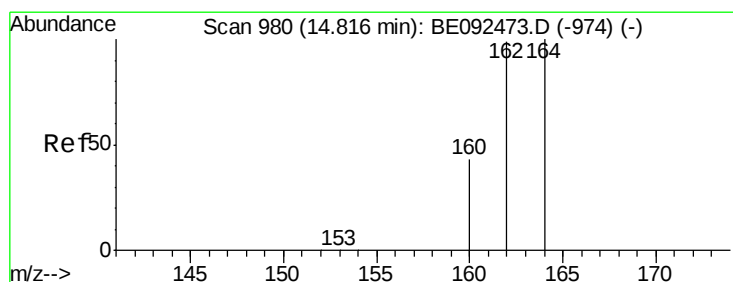
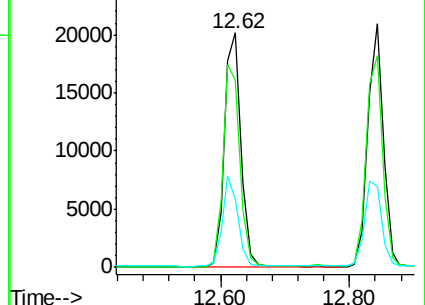
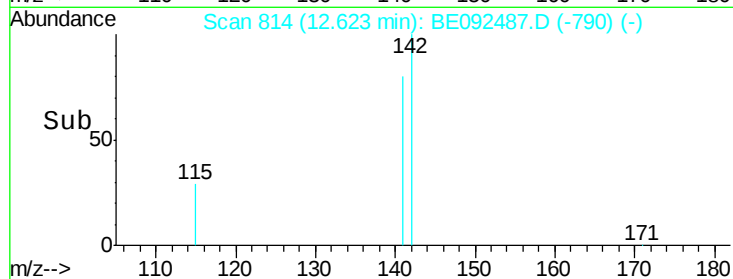
115 29.2 34.0 51.0#



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: 14.81 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

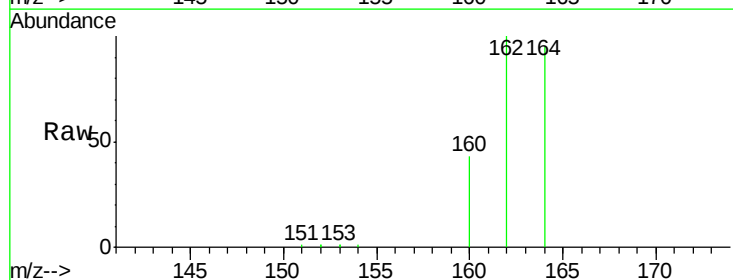
Tgt Ion:164 Resp: 35679

Ion Ratio Lower Upper

164 100

162 104.7 71.4 107.0

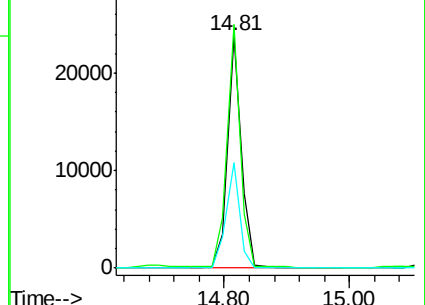
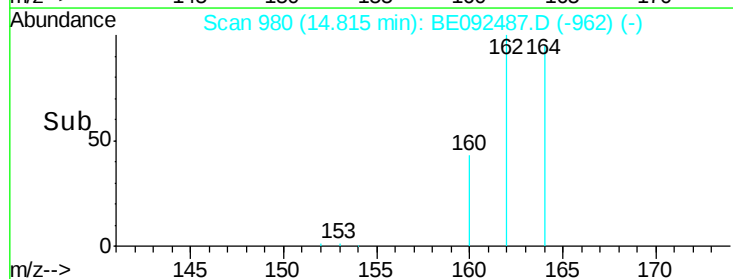
160 45.5 27.4 41.2#

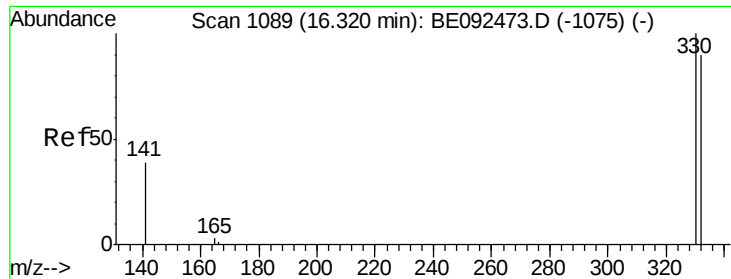


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

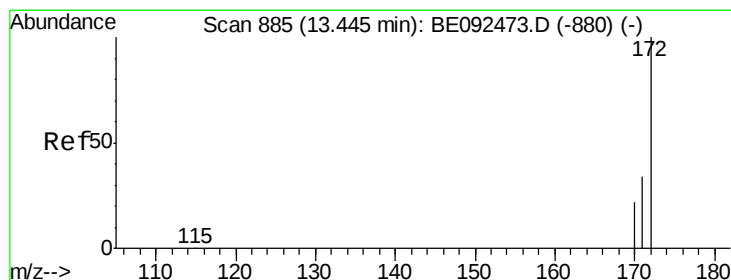
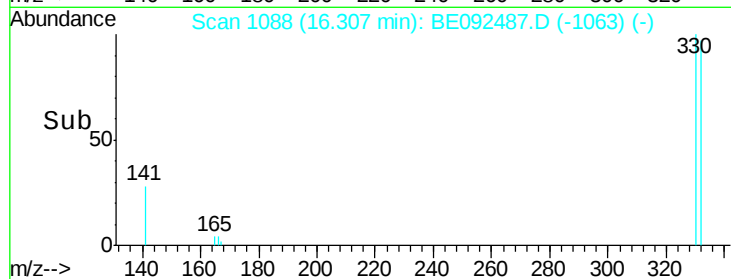
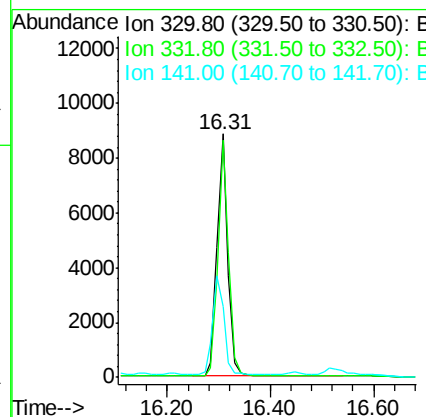
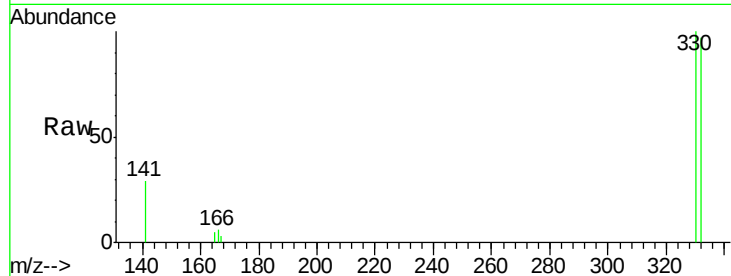




#13
 2,4,6-Tribromophenol
 Concen: 13.21 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BE092487.D
 Acq: 31 Oct 2016 19:44

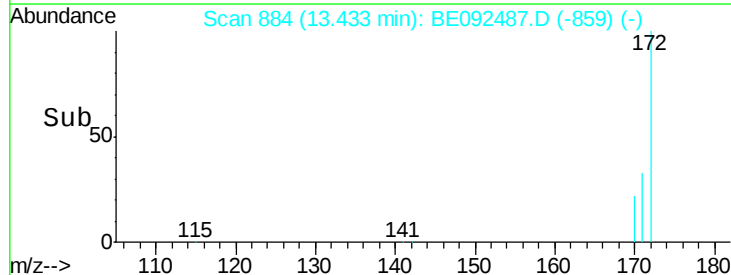
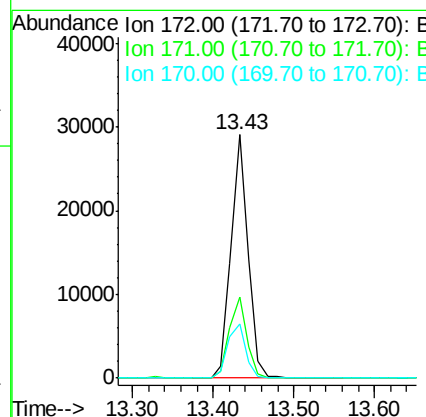
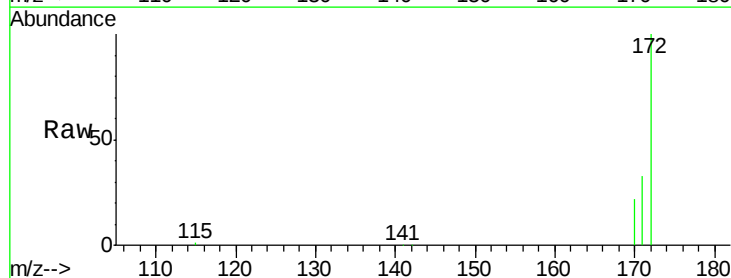
Instrument :
 BNA_E
 ClientSampleId :
 WOOLSTON-TS-004MSD

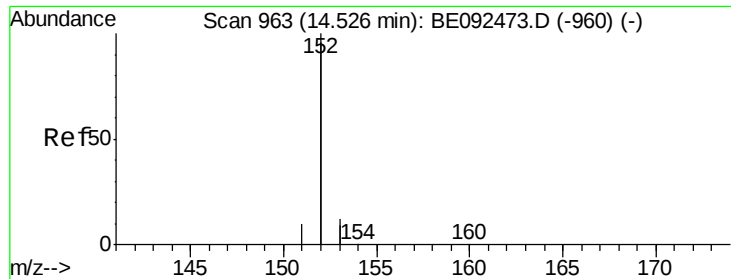
Tgt Ion: 330 Resp: 12850
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.4 113.0
 141 42.6 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.84 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092487.D
 Acq: 31 Oct 2016 19:44

Tgt Ion: 172 Resp: 42078
 Ion Ratio Lower Upper
 172 100
 171 33.5 30.1 45.1
 170 22.0 21.8 32.6





#15

Acenaphthylene

Concen: 4.80 ng

RT: 14.53 min Scan# 963

Delta R.T. -0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MSD

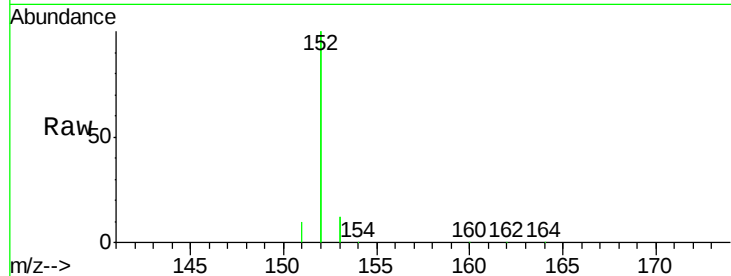
Tgt Ion:152 Resp: 245018

Ion Ratio Lower Upper

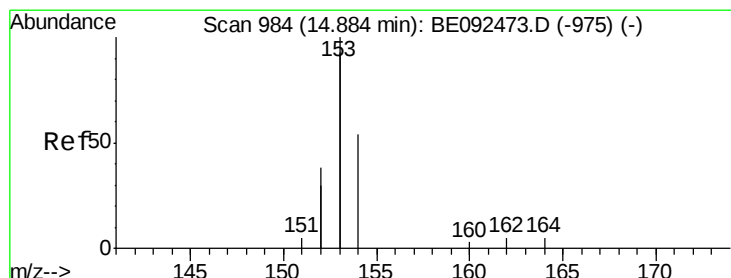
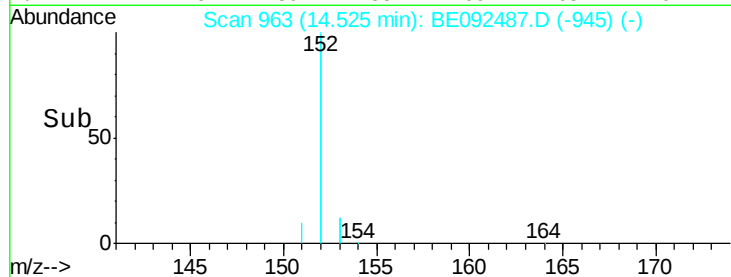
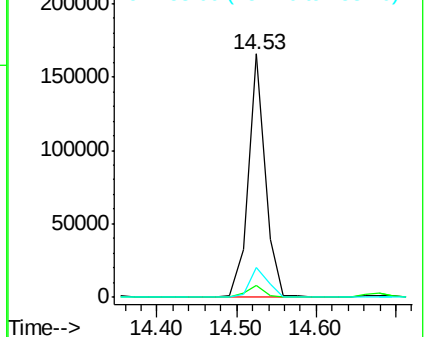
152 100

151 4.9 3.9 5.9

153 13.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 4.50 ng

RT: 14.88 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

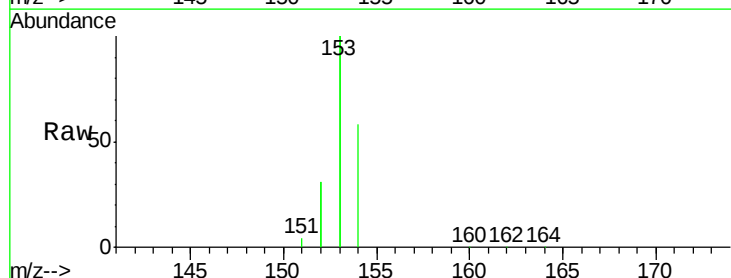
Tgt Ion:154 Resp: 36659

Ion Ratio Lower Upper

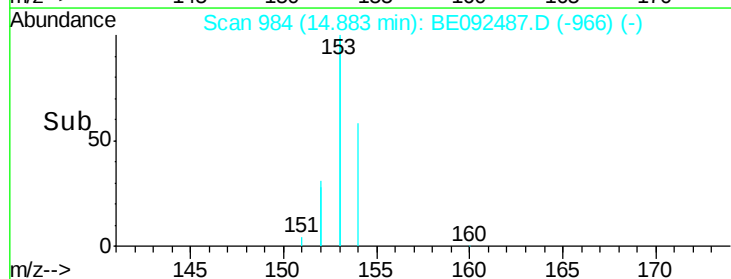
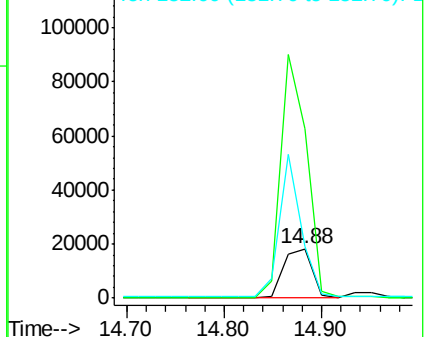
154 100

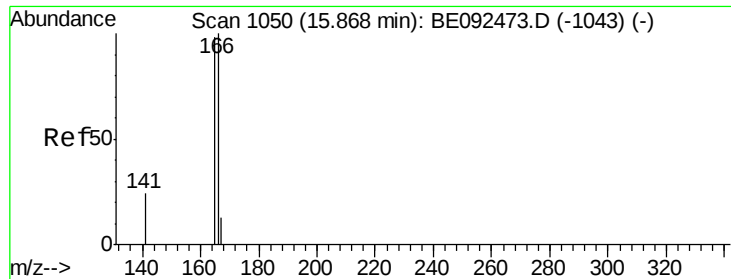
153 449.4 350.8 526.2

152 223.0 171.1 256.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 5.07 ng

RT: 15.86 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MSD

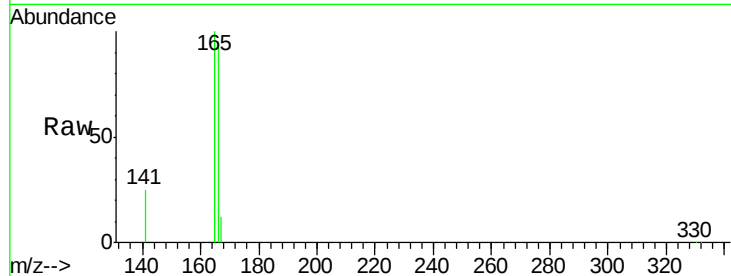
Tgt Ion:166 Resp: 49374

Ion Ratio Lower Upper

166 100

165 98.1 78.2 117.4

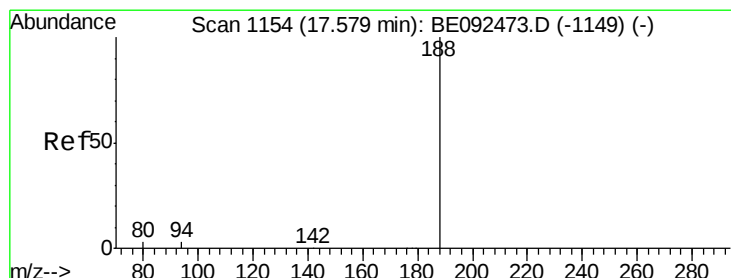
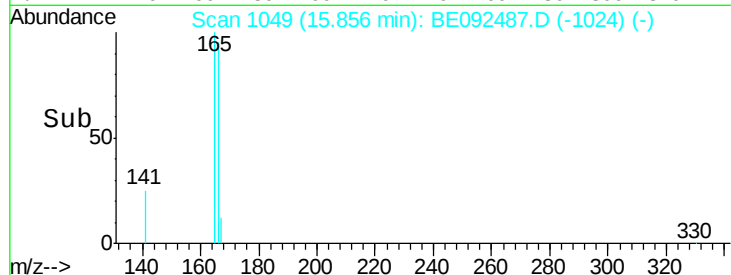
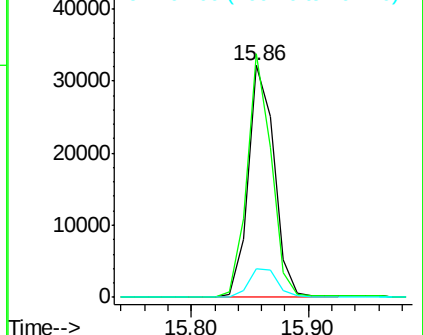
167 13.4 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

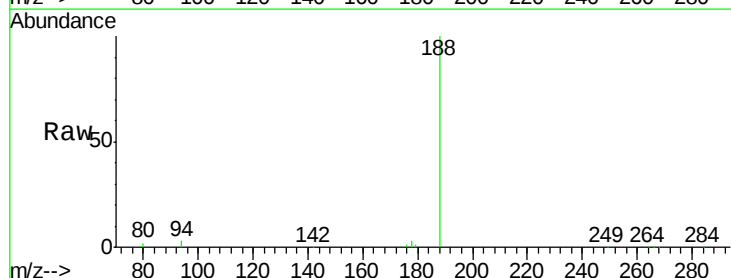
Tgt Ion:188 Resp: 68204

Ion Ratio Lower Upper

188 100

94 2.8 3.2 4.8#

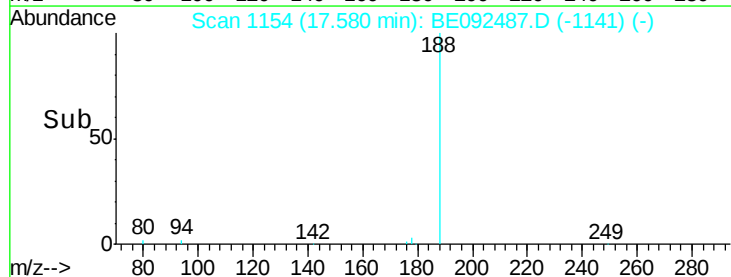
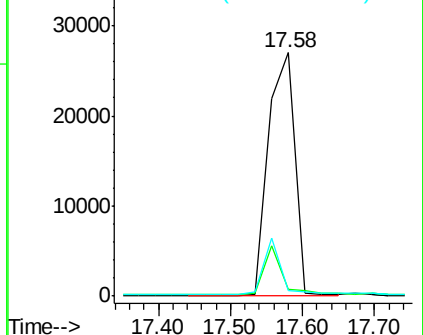
80 2.3 2.6 3.8#

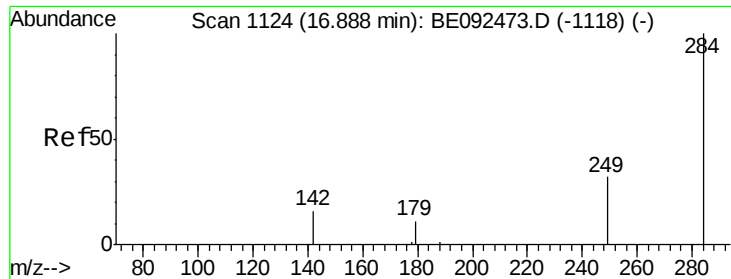


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

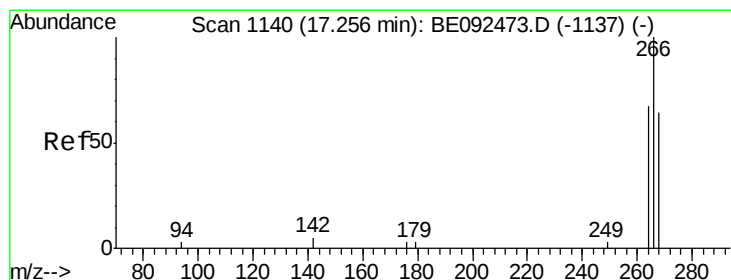
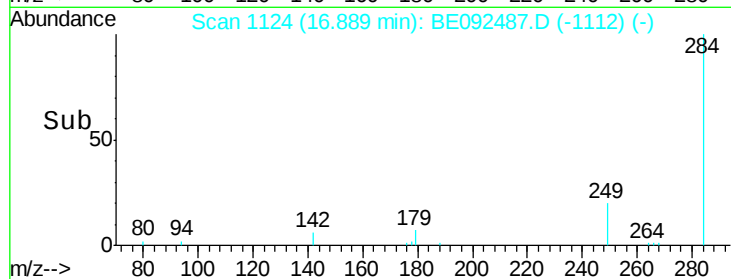
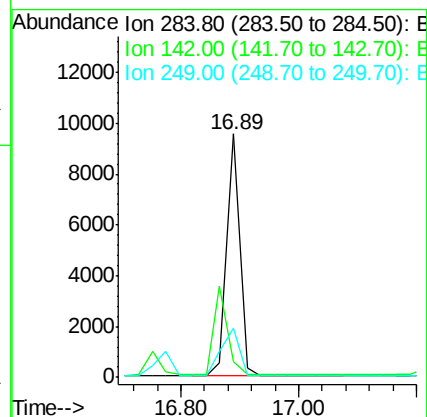
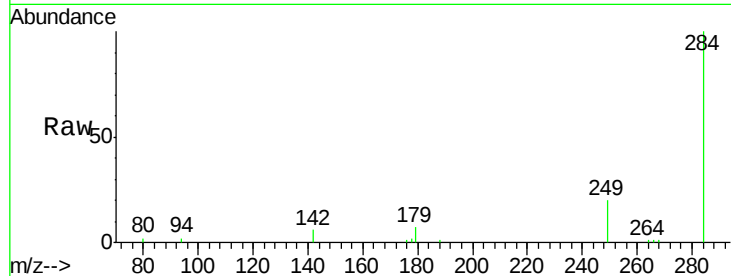




#19
Hexachlorobenzene
Concen: 4.73 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092487.D
Acq: 31 Oct 2016 19:44

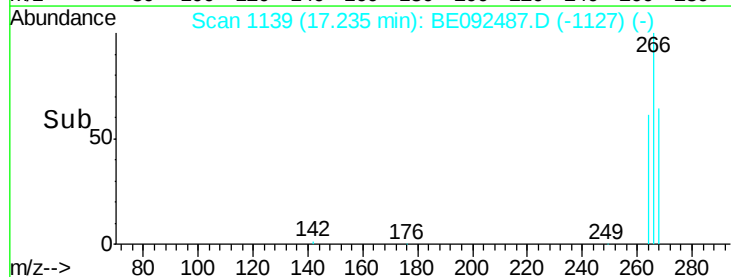
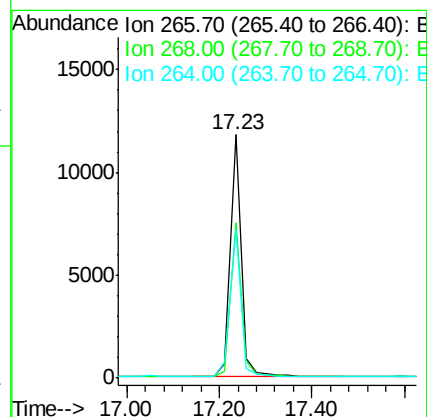
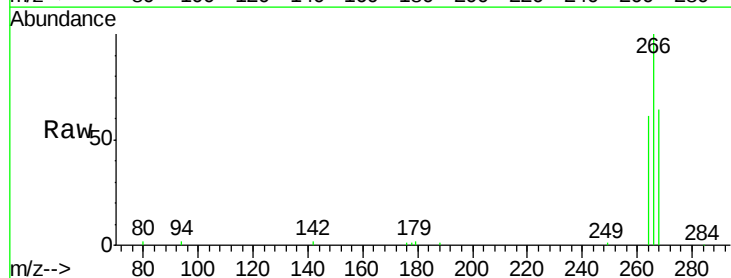
Instrument :
BNA_E
ClientSampleId :
WOOLSTON-TS-004MSD

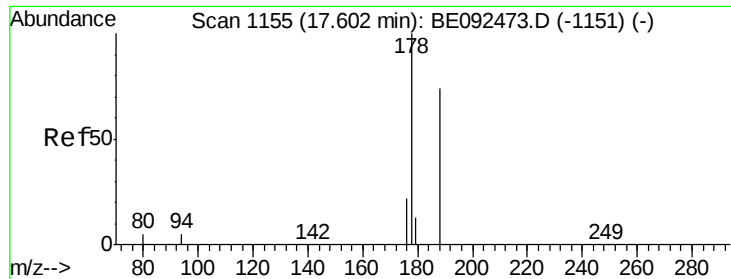
Tgt Ion: 284 Resp: 14436
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 27.3 27.9 41.9#



#20
Pentachlorophenol
Concen: 22.86 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092487.D
Acq: 31 Oct 2016 19:44

Tgt Ion: 266 Resp: 19398
Ion Ratio Lower Upper
266 100
268 63.9 62.5 93.7
264 61.0 57.2 85.8





#21

Phenanthrene

Concen: 4.92 ng

RT: 17.60 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MSD

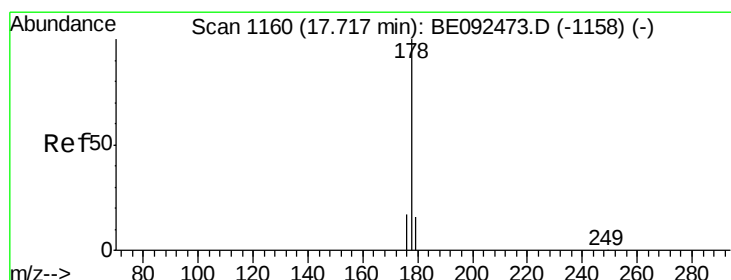
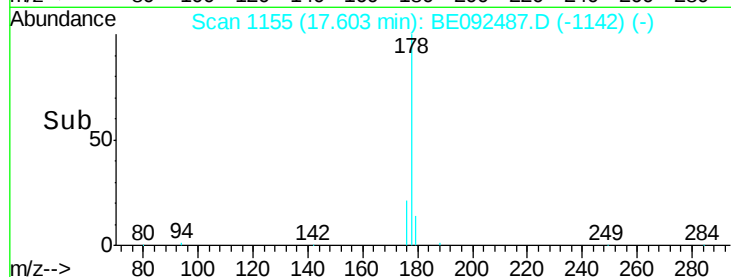
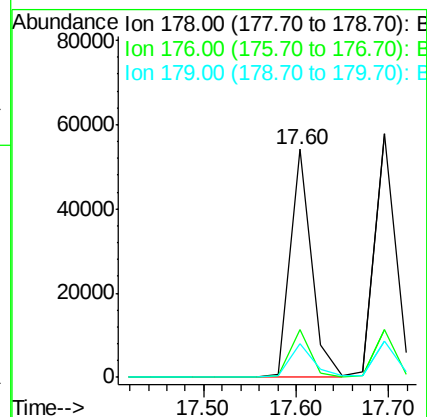
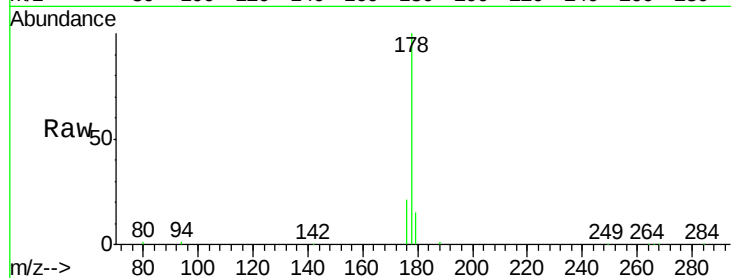
Tgt Ion:178 Resp: 86714

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

179 15.8 16.0 24.0#



#22

Anthracene

Concen: 5.67 ng

RT: 17.70 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

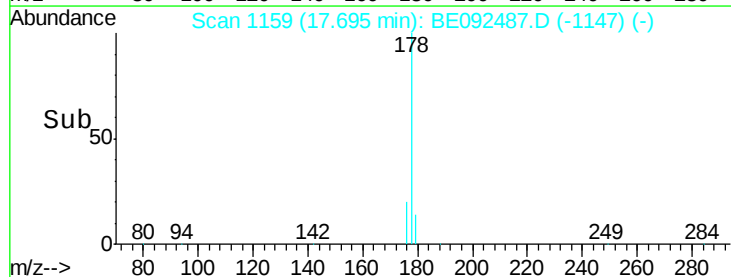
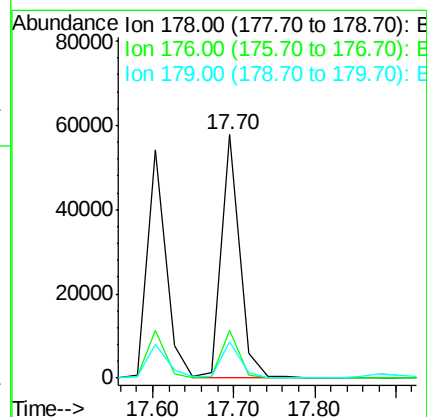
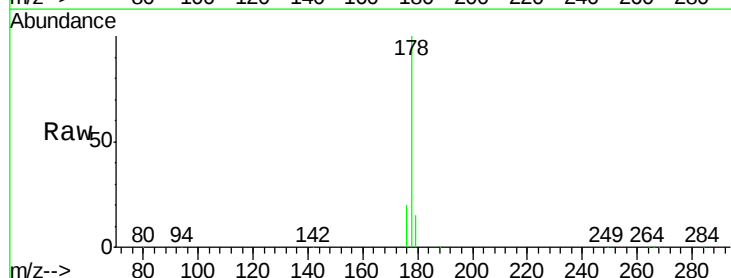
Tgt Ion:178 Resp: 89915

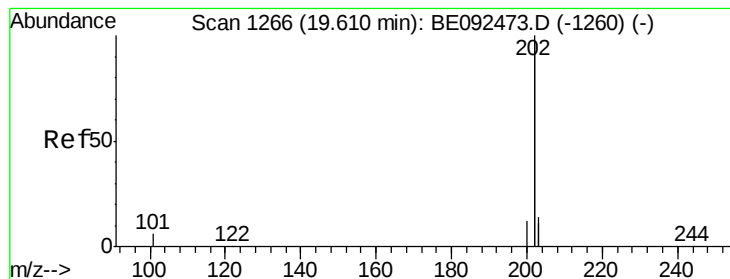
Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.4

179 15.1 12.2 18.2





#23

Fluoranthene

Concen: 5.69 ng

RT: 19.61 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MSD

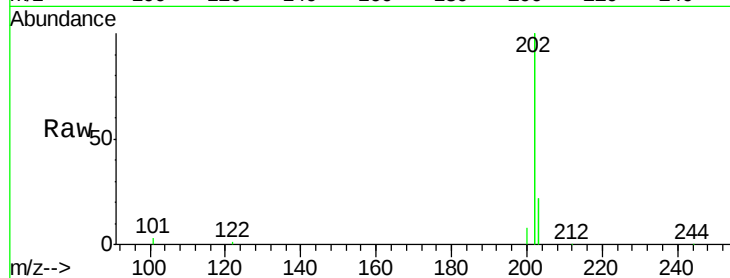
Tgt Ion: 202 Resp: 397589

Ion Ratio Lower Upper

202 100

101 3.0 2.2 3.4

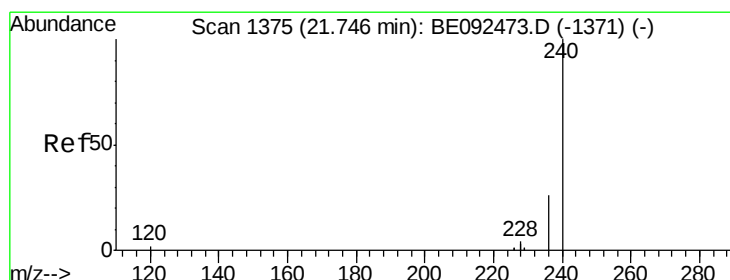
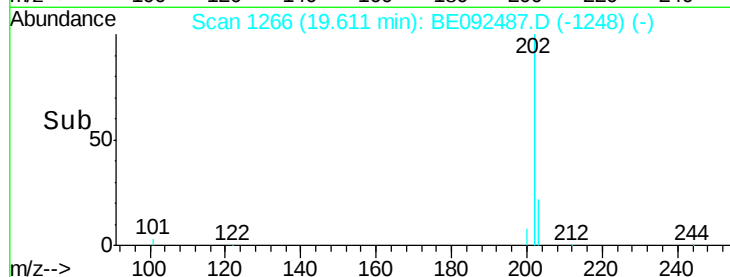
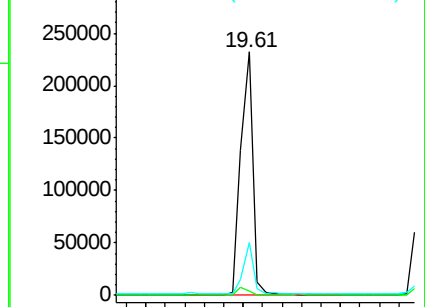
203 18.4 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

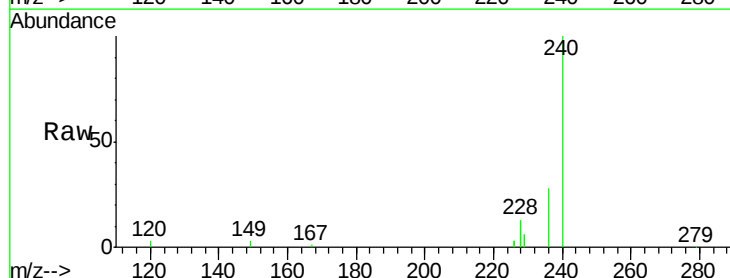
Tgt Ion: 240 Resp: 94049

Ion Ratio Lower Upper

240 100

120 2.7 2.6 4.0

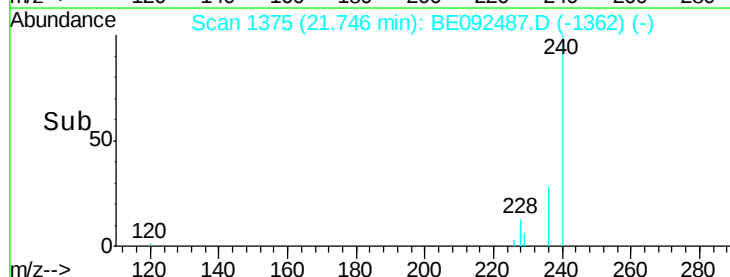
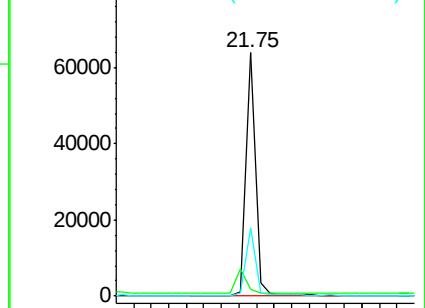
236 28.0 24.6 37.0

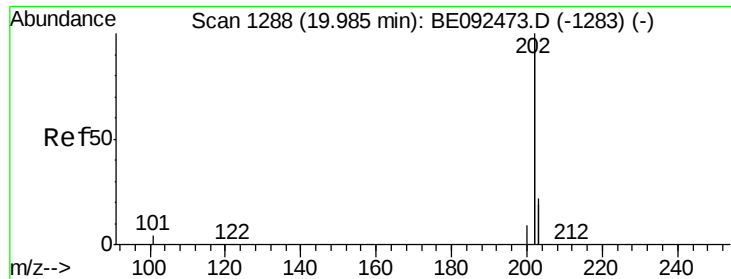


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

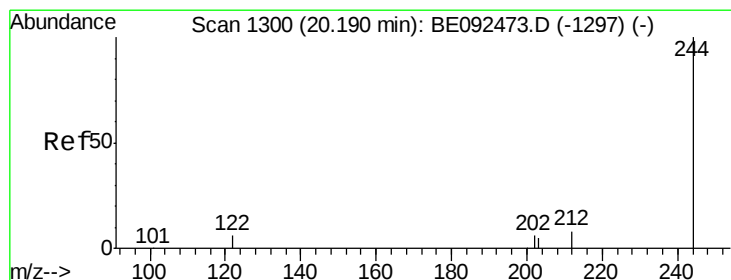
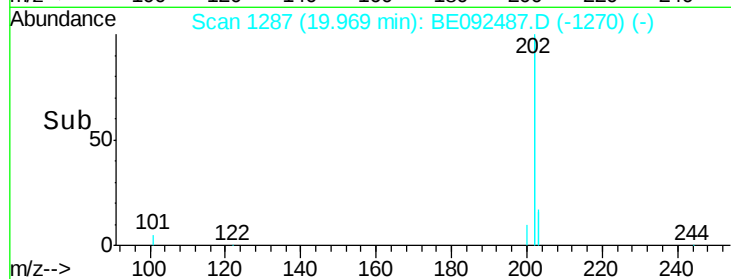
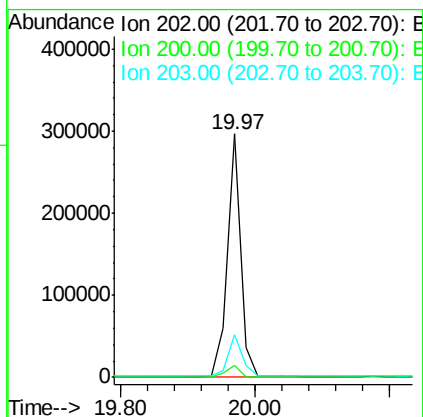
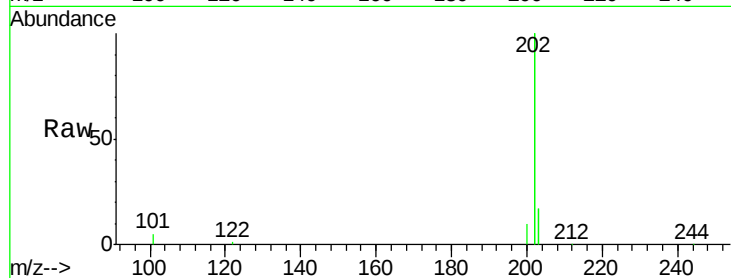




#25
 Pyrene
 Concen: 4.95 ng
 RT: 19.97 min Scan# 1287
 Delta R.T. -0.02 min
 Lab File: BE092487.D
 Acq: 31 Oct 2016 19:44

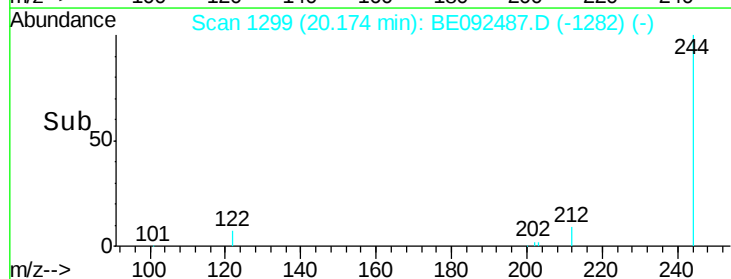
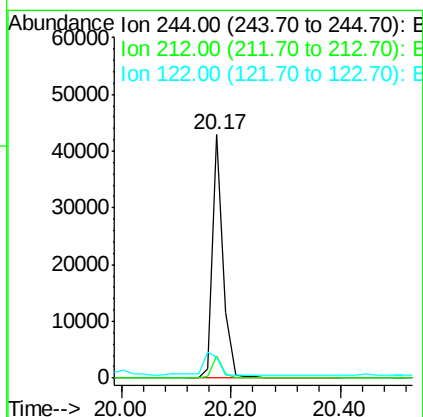
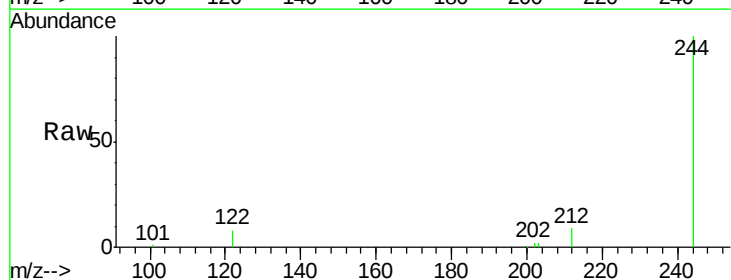
Instrument :
 BNA_E
 ClientSampleId :
 WOOLSTON-TS-004MSD

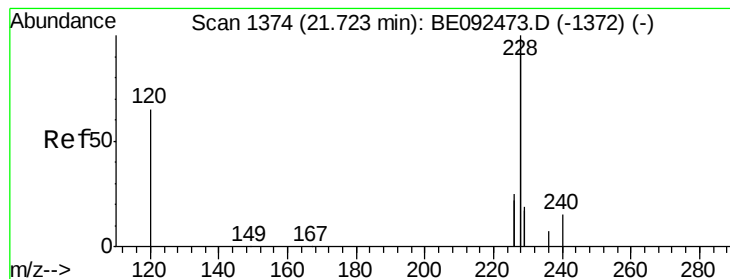
Tgt Ion: 202 Resp: 405625
 Ion Ratio Lower Upper
 202 100
 200 5.4 4.2 6.4
 203 18.5 13.9 20.9



#26
 Terphenyl-d14
 Concen: 4.98 ng
 RT: 20.17 min Scan# 1299
 Delta R.T. -0.02 min
 Lab File: BE092487.D
 Acq: 31 Oct 2016 19:44

Tgt Ion: 244 Resp: 57904
 Ion Ratio Lower Upper
 244 100
 212 9.0 6.7 10.1
 122 8.4 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 9.25 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MSD

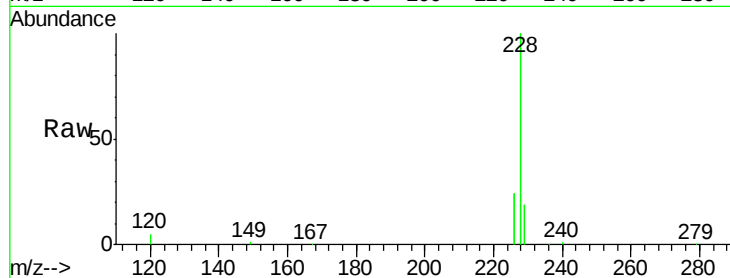
Tgt Ion:228 Resp: 804876

Ion Ratio Lower Upper

228 100

226 24.4 23.6 35.4

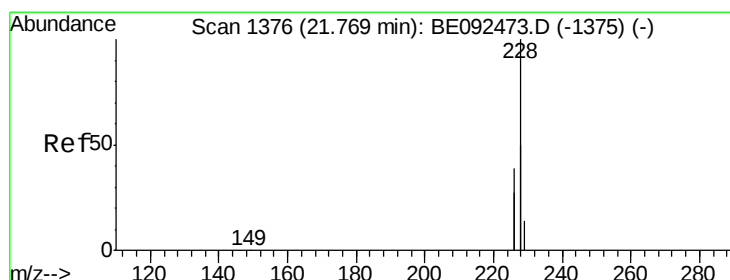
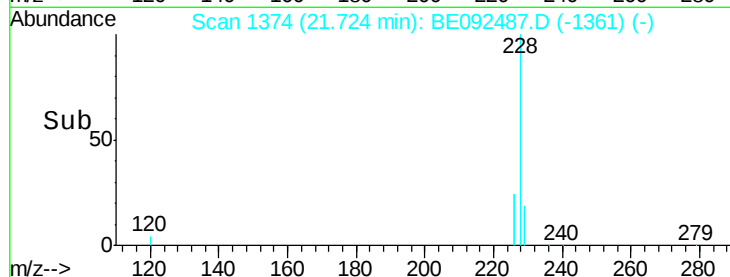
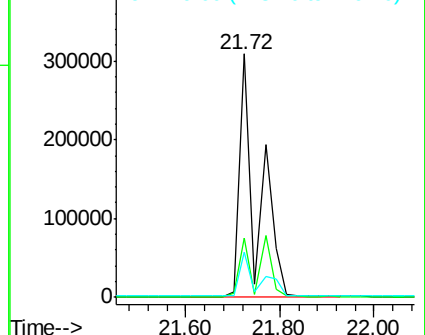
229 18.6 13.3 19.9



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: 8.82 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.04 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

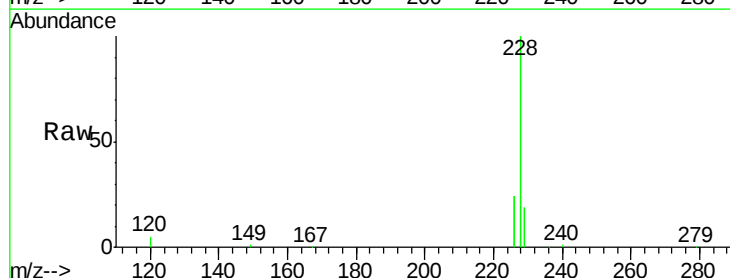
Tgt Ion:228 Resp: 806249

Ion Ratio Lower Upper

228 100

226 24.4 36.3 54.5#

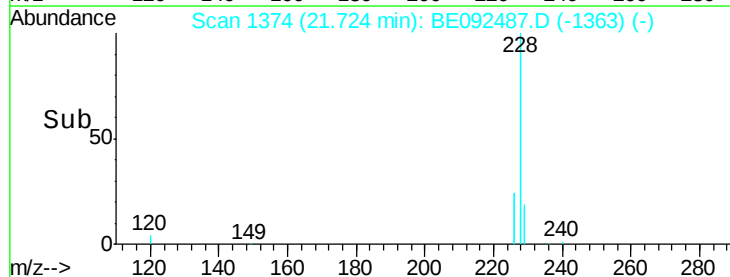
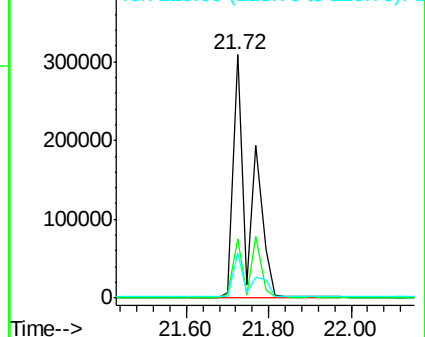
229 18.6 10.6 16.0#

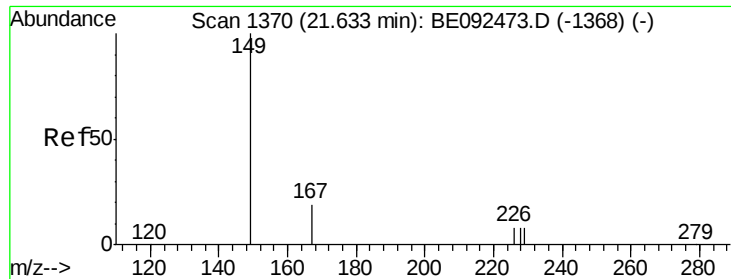


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

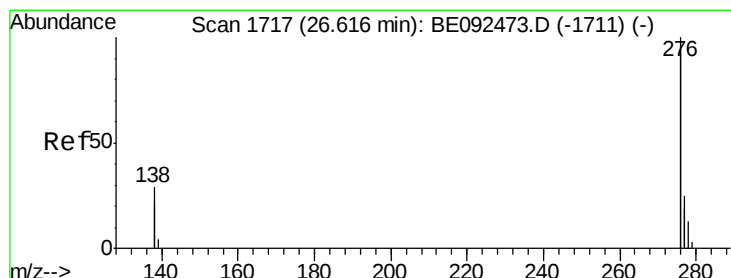
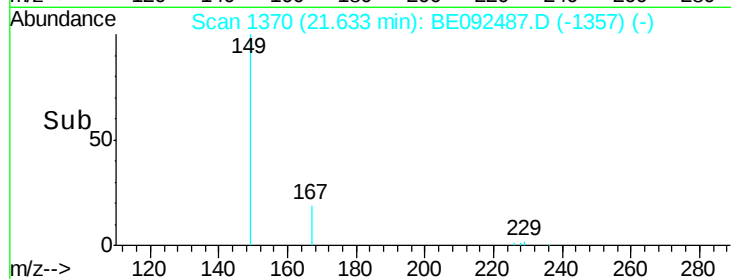
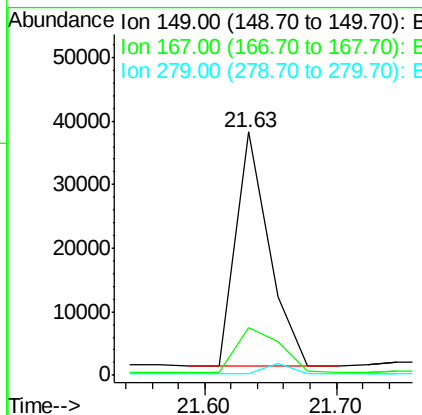
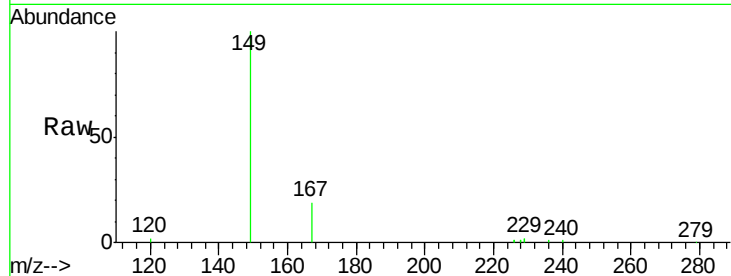




#29
 Bis(2-ethylhexyl)phthalate
 Concen: 6.18 ng
 RT: 21.63 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: BE092487.D
 Acq: 31 Oct 2016 19:44

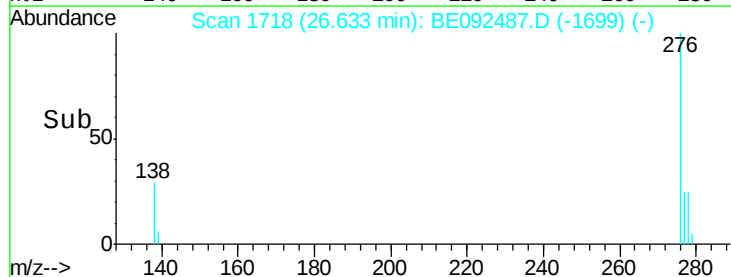
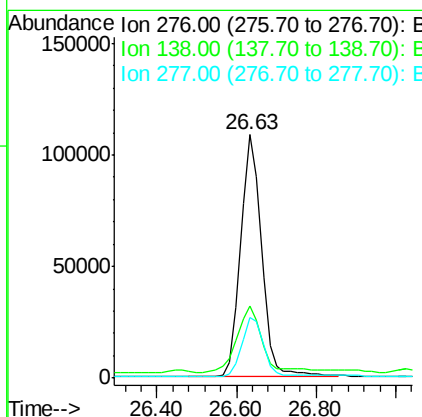
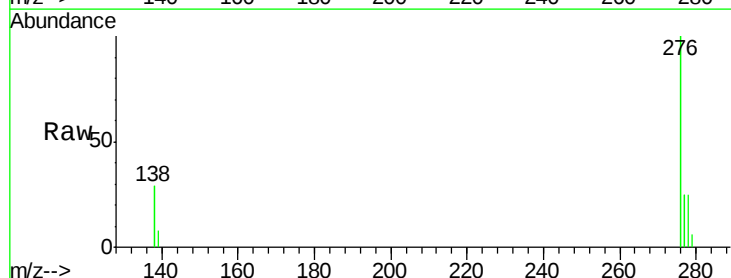
Instrument :
 BNA_E
 ClientSampleId :
 WOOLSTON-TS-004MSD

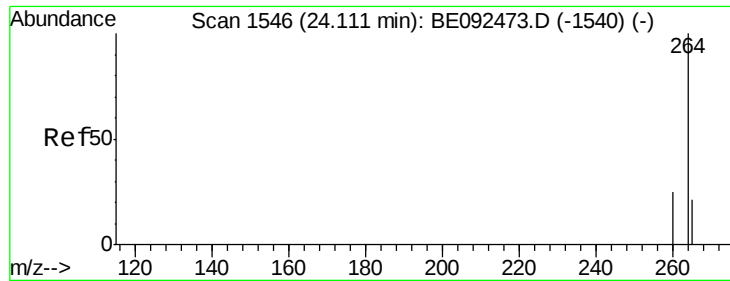
Tgt Ion: 149 Resp: 64968
 Ion Ratio Lower Upper
 149 100
 167 24.9 16.0 24.0#
 279 0.0 16.0 24.0#



#30
 Indeno(1,2,3-cd)pyrene
 Concen: 4.97 ng
 RT: 26.63 min Scan# 1718
 Delta R.T. 0.02 min
 Lab File: BE092487.D
 Acq: 31 Oct 2016 19:44

Tgt Ion: 276 Resp: 400944
 Ion Ratio Lower Upper
 276 100
 138 30.8 20.3 30.5#
 277 24.7 19.7 29.5

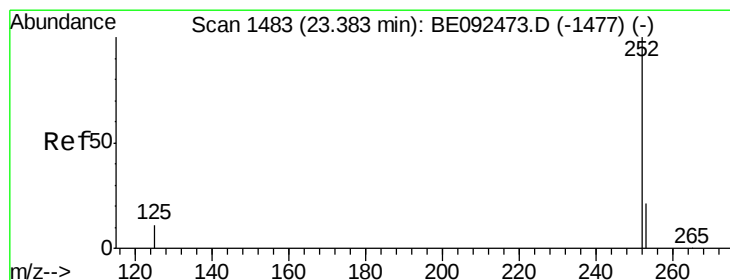
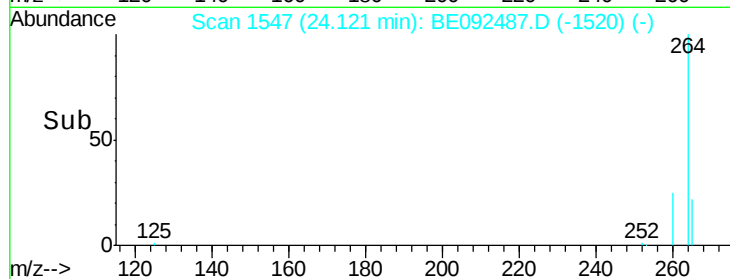
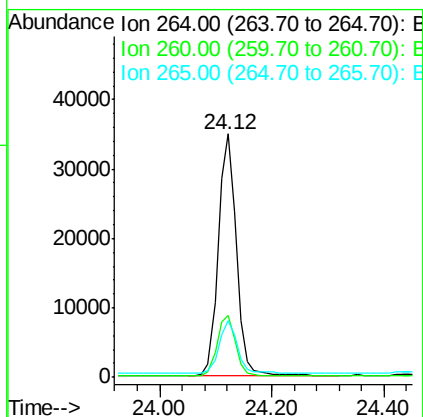
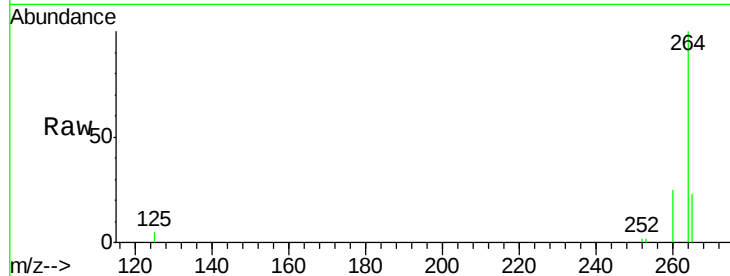




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.01 min
Lab File: BE092487.D
Acq: 31 Oct 2016 19:44

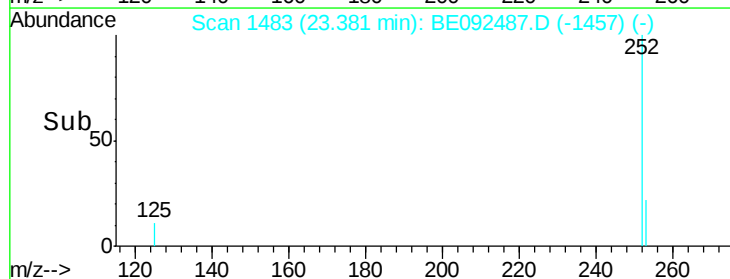
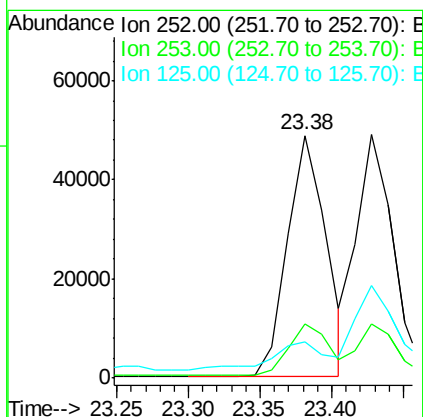
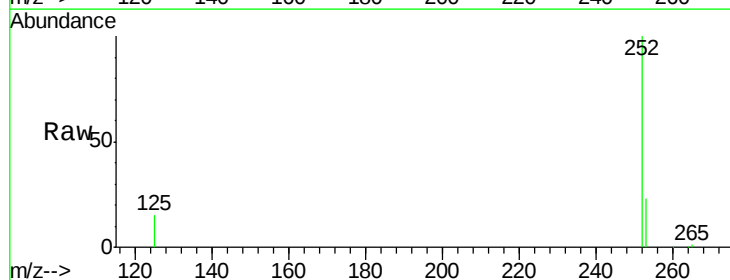
Instrument :
BNA_E
ClientSampleId :
WOOLSTON-TS-004MSD

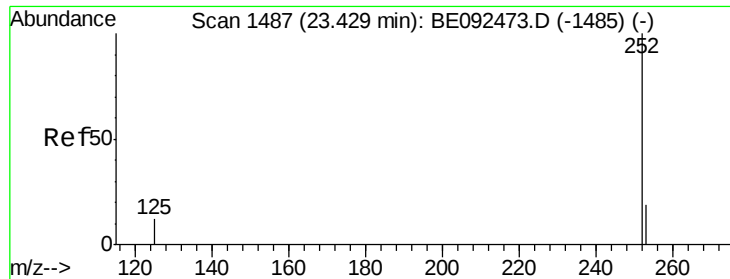
Tgt Ion: 264 Resp: 78440
Ion Ratio Lower Upper
264 100
260 25.4 20.1 30.1
265 23.3 17.9 26.9



#32
Benzo(b)fluoranthene
Concen: 4.68 ng
RT: 23.38 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE092487.D
Acq: 31 Oct 2016 19:44

Tgt Ion: 252 Resp: 91513
Ion Ratio Lower Upper
252 100
253 22.6 18.7 28.1
125 15.0 10.5 15.7





#33

Benzo(k)fluoranthene

Concen: 4.62 ng

RT: 23.43 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MSD

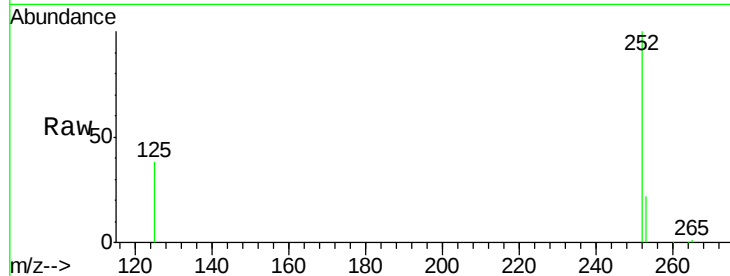
Tgt Ion:252 Resp: 89404

Ion Ratio Lower Upper

252 100

253 22.1 20.3 30.5

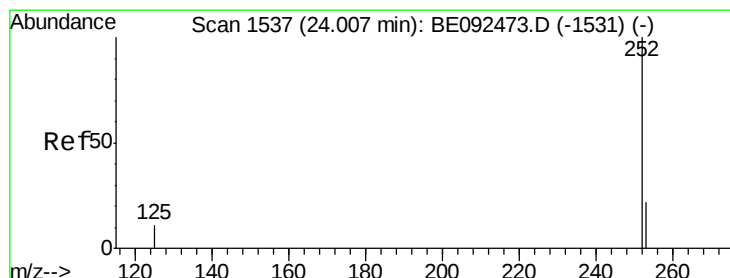
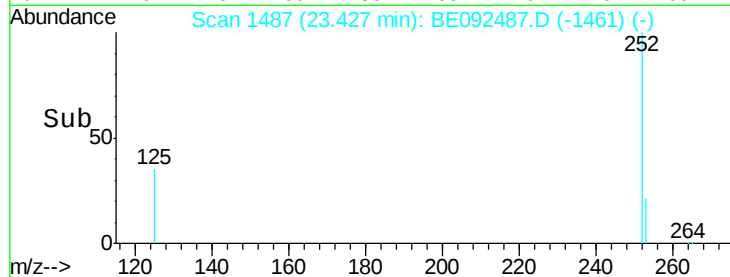
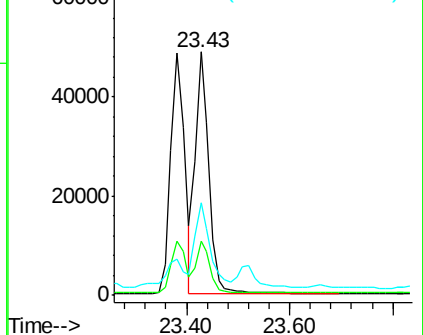
125 38.2 9.6 14.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(a)pyrene

Concen: 5.15 ng

RT: 24.01 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE092487.D

Acq: 31 Oct 2016 19:44

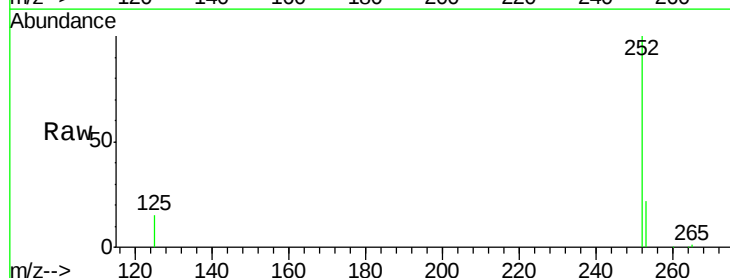
Tgt Ion:252 Resp: 91032

Ion Ratio Lower Upper

252 100

253 22.1 19.0 28.6

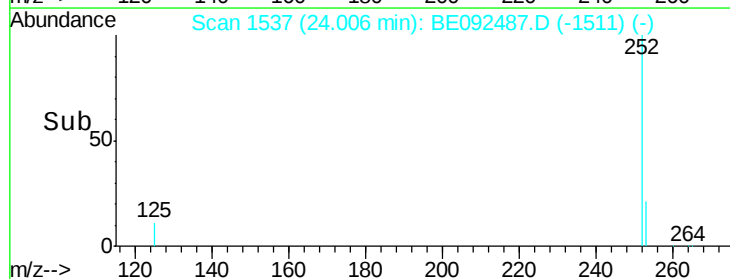
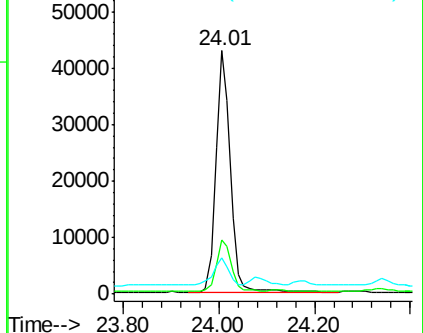
125 14.8 11.8 17.8

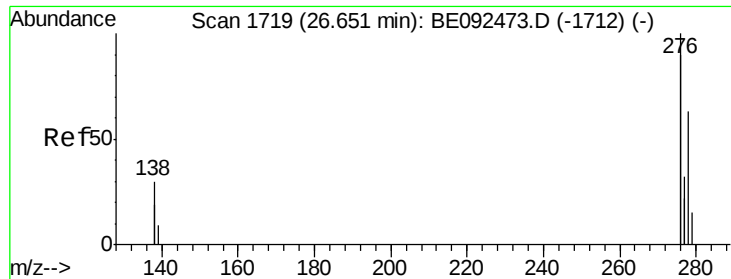


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

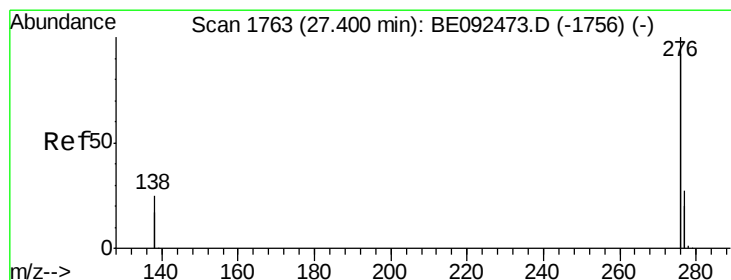
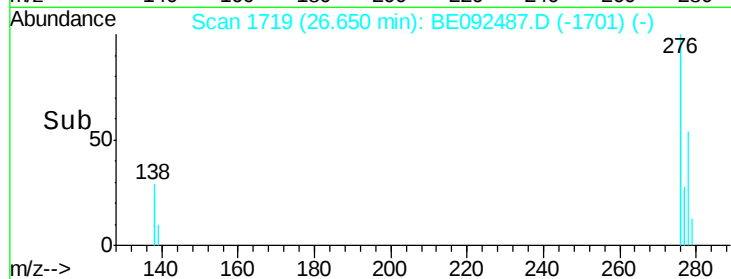
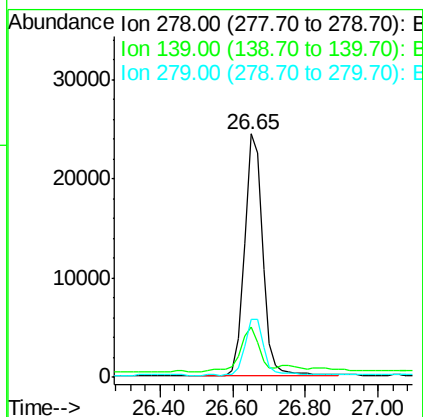
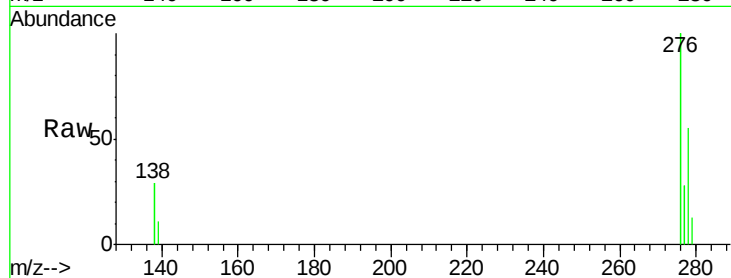




#35
Dibenzo(a,h)anthracene
Concen: 5.13 ng
RT: 26.65 min Scan# 1719
Delta R.T. -0.00 min
Lab File: BE092487.D
Acq: 31 Oct 2016 19:44

Instrument :
BNA_E
ClientSampleId :
WOOLSTON-TS-004MSD

Tgt Ion: 278 Resp: 84653
Ion Ratio Lower Upper
278 100
139 20.8 13.8 20.8#
279 24.0 21.4 32.2



#36
Benzo(g,h,i)perylene
Concen: 4.81 ng
RT: 27.42 min Scan# 1764
Delta R.T. 0.02 min
Lab File: BE092487.D
Acq: 31 Oct 2016 19:44

Tgt Ion: 276 Resp: 342473
Ion Ratio Lower Upper
276 100
277 24.1 19.8 29.8
138 24.7 19.8 29.6

