

Data Path : Z:\HPCHEM1\BNA E\Data\BE091316\
 Data File : Be092381.d
 Acq On : 13 Sep 2016 16:31
 Operator : UM/SJ
 Sample : PB93350BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 13 17:40:33 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 19:34:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	10180	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	40402	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	21770	5.00	ng	0.02
18) Phenanthrene-d10	17.58	188	49330	5.00	ng	0.02
24) Chrysene-d12	21.75	240	53569	5.00	ng	0.00
31) Perylene-d12	24.12	264	56633	5.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.67	112	18349	7.58	ng	-0.02
5) Phenol-d6	7.34	99	22632	7.01	ng	-0.02
8) Nitrobenzene-d5	9.34	82	9051	3.12	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	4552	6.75	ng	0.00
14) 2-Fluorobiphenyl	13.44	172	20988	3.14	ng	0.00
26) Terphenyl-d14	20.19	244	28309	3.57	ng	0.02

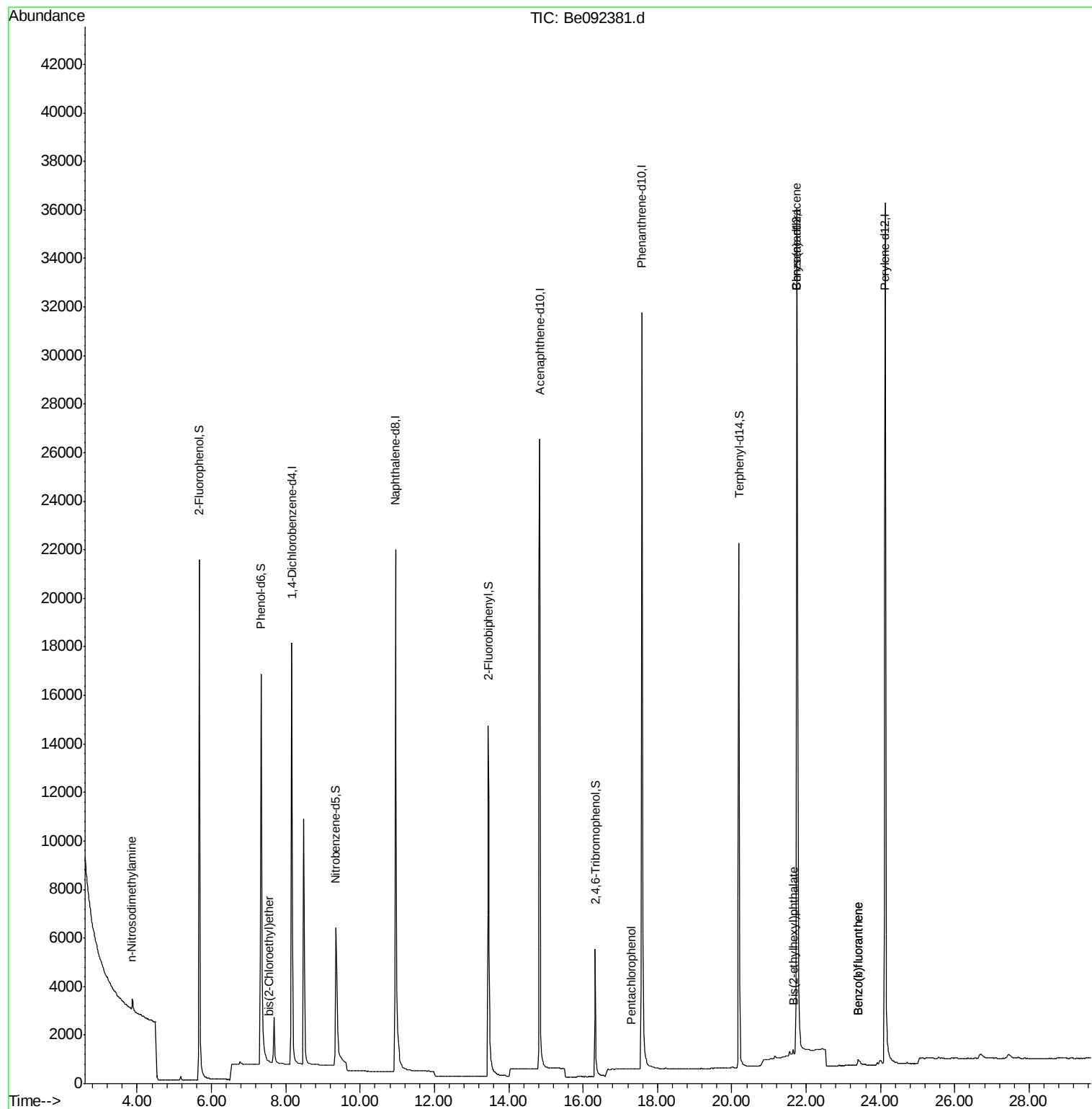
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.86	42	83	0.13	ng	# 3
6) bis(2-Chloroethyl)ether	7.54	93	4	0.07	ng	# 15
20) Pentachlorophenol	17.30	266	10	0.08	ng	# 73
27) Benzo(a)anthracene	21.75	228	1918	0.03	ng	# 58
28) Chrysene	21.75	228	1937	Below Cal		# 70
29) Bis(2-ethylhexyl)phthalate	21.66	149	312	0.12	ng	# 58
32) Benzo(b)fluoranthene	23.40	252	864	0.06	ng	# 1
33) Benzo(k)fluoranthene	23.40	252	864	0.06	ng	# 3

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

Data Path : Z:\HPCHEM1\BNA E\Data\BE091316\
Data File : Be092381.d
Acq On : 13 Sep 2016 16:31
Operator : UM/SJ
Sample : PB93350BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: Sep 13 17:40:33 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090216.M
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QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration



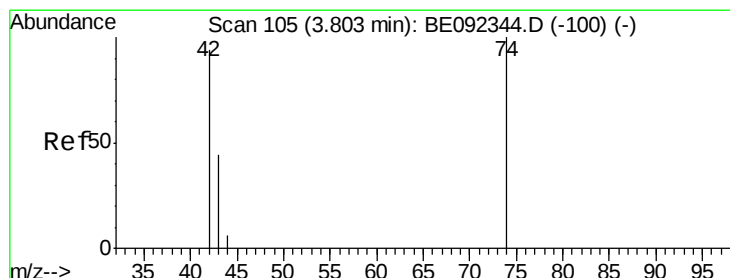
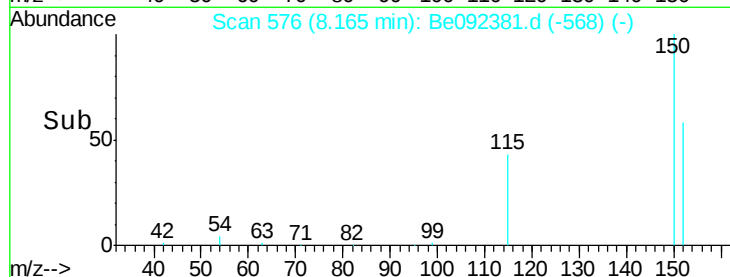
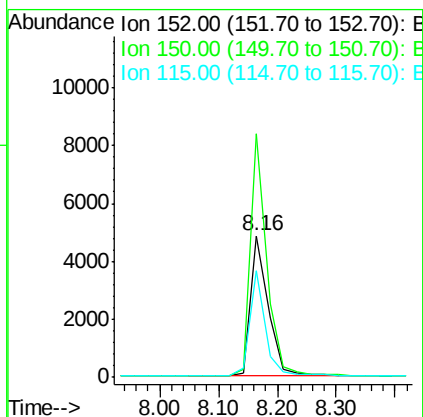
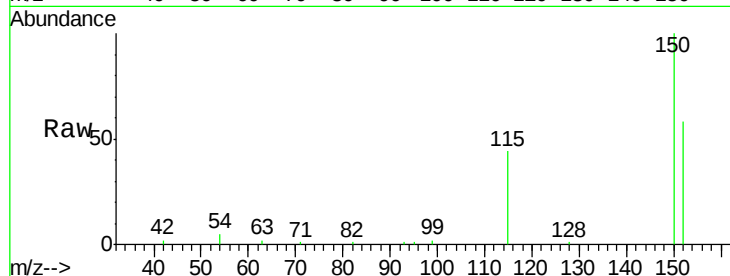


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.02 min
Lab File: Be092381.d
Acq: 13 Sep 2016 16:31

Instrument :
BNA_E
ClientSampleId :

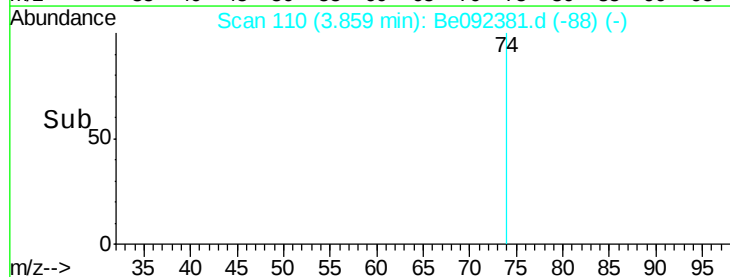
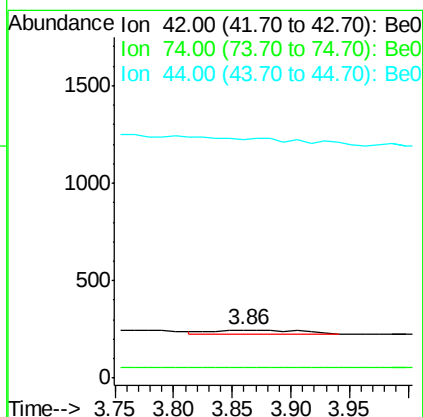
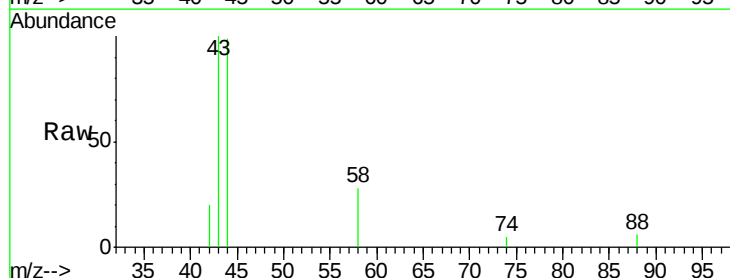
Tot Ion:152 Resp: 10180
Ion Ratio Lower Upper
152 100
150 172.2 106.0 159.0#
115 75.0 31.2 46.8#

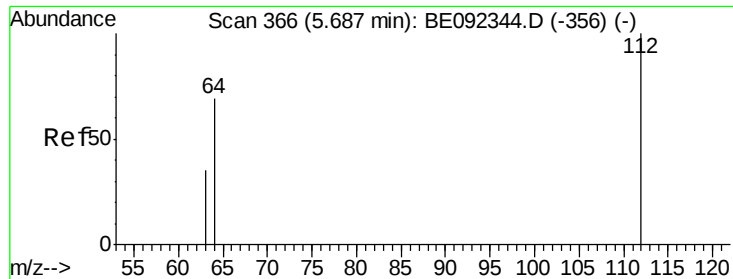


#3

n-Nitrosodimethylamine
Concen: 0.13 ng
RT: 3.86 min Scan# 110
Delta R.T. 0.06 min
Lab File: Be092381.d
Acq: 13 Sep 2016 16:31

Tgt Ion: 42 Resp: 83
Ion Ratio Lower Upper
42 100
74 1.2 86.0 129.0#
44 0.0 5.1 7.7#





#4

2-Fluorophenol

Concen: 7.58 ng

RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092381.d

Acq: 13 Sep 2016 16:31

Instrument :

BNA_E

ClientSampled :

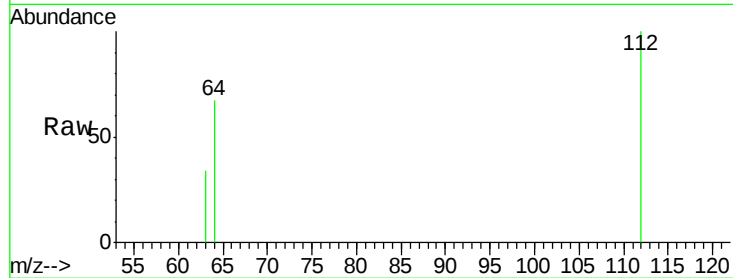
Tot Ion:112 Resp: 18349

Ion Ratio Lower Upper

112 100

64 67.5 53.5 80.3

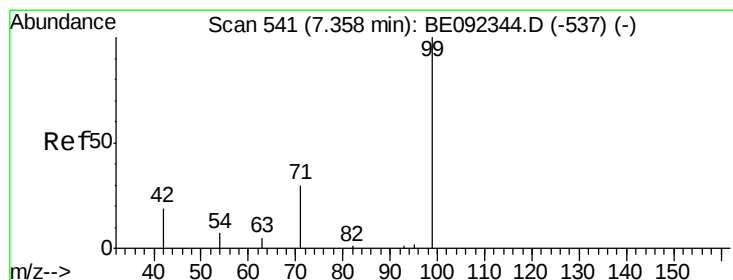
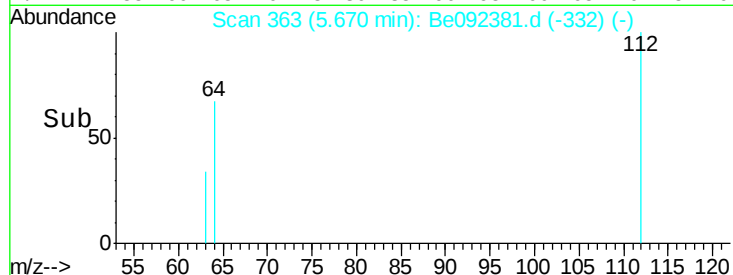
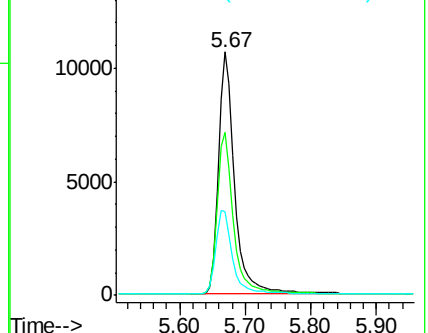
63 35.9 27.9 41.9



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: 7.01 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092381.d

Acq: 13 Sep 2016 16:31

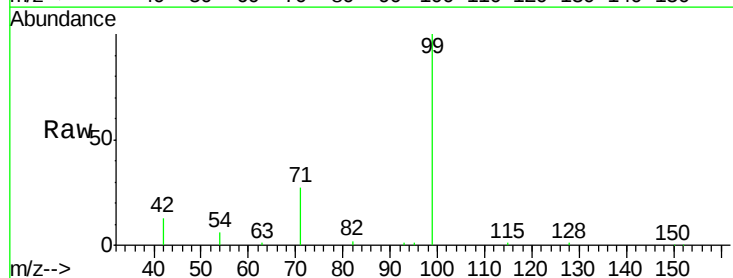
Tgt Ion: 99 Resp: 22632

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

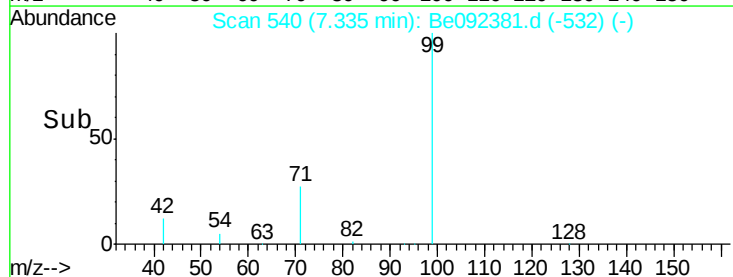
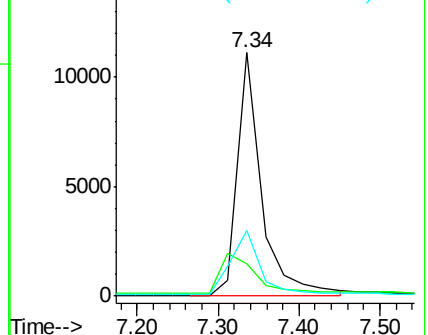
71 33.2 30.6 45.8

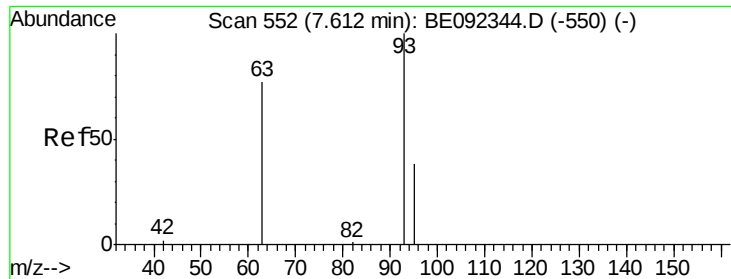


Abundance Ion 99.00 (98.70 to 99.70): Be0

Ion 42.00 (41.70 to 42.70): Be0

Ion 71.00 (70.70 to 71.70): Be0





#6

bis(2-Chloroethyl)ether

Concen: 0.07 ng

RT: 7.54 min Scan# 549

Delta R.T. -0.07 min

Lab File: BE092381.d

Acq: 13 Sep 2016 16:31

Instrument :

BNA_E

ClientSampleId :

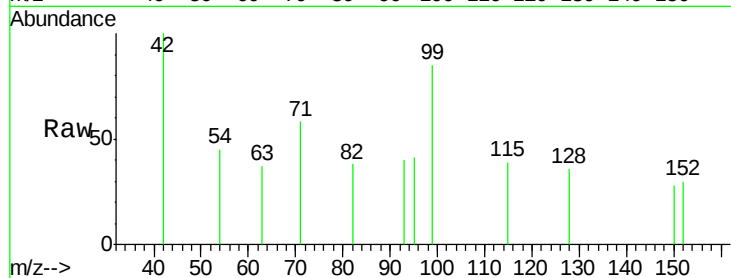
Tot Ion: 93 Resp: 4

Ion Ratio Lower Upper

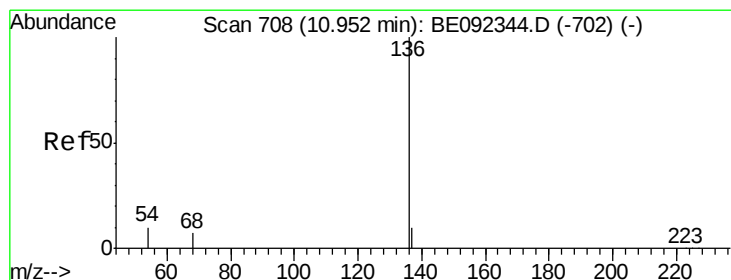
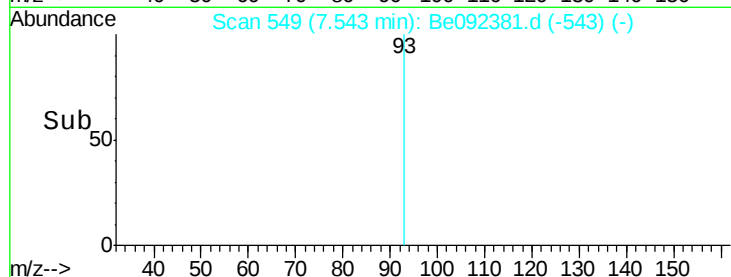
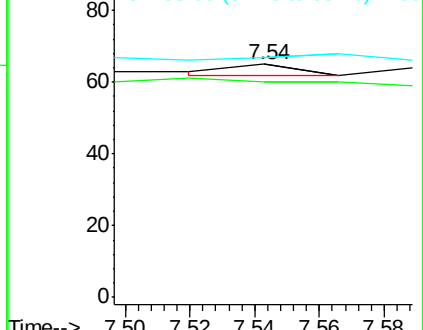
93 100

63 0.0 71.6 107.4#

95 0.0 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: BE092381.d

Acq: 13 Sep 2016 16:31

Tgt Ion: 136 Resp: 40402

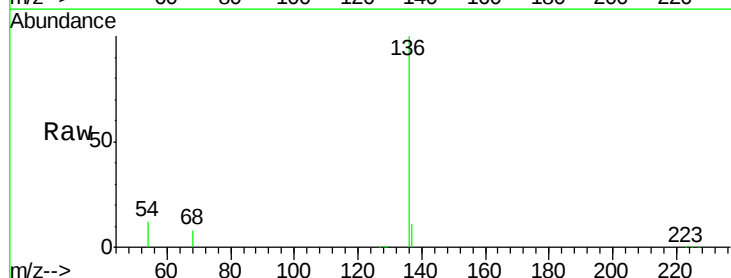
Ion Ratio Lower Upper

136 100

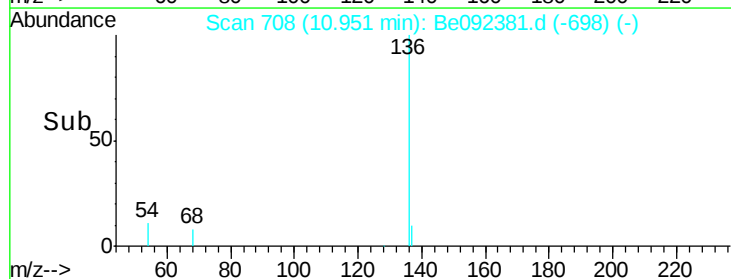
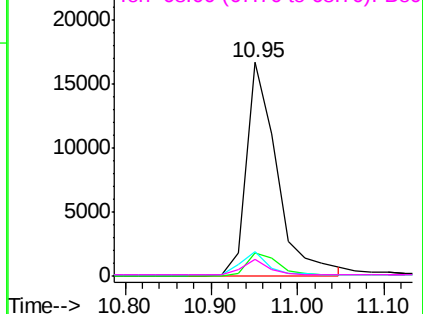
137 10.6 8.2 12.4

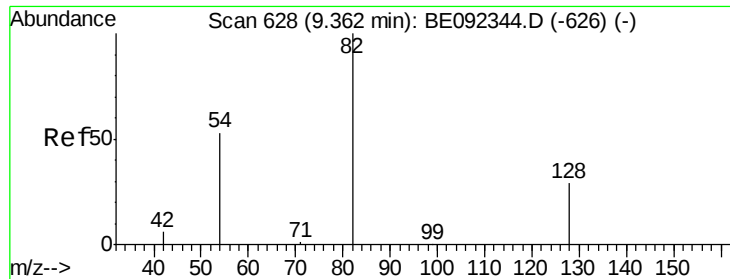
54 11.6 9.6 14.4

68 8.0 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: 3.12 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092381.d

Acq: 13 Sep 2016 16:31

Instrument :

BNA_E

ClientSampleId :

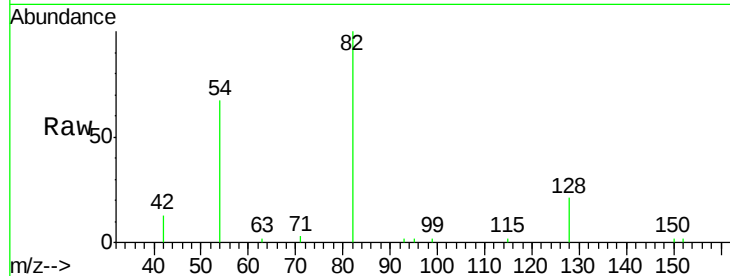
Tot Ion: 82 Resp: 9051

Ion Ratio Lower Upper

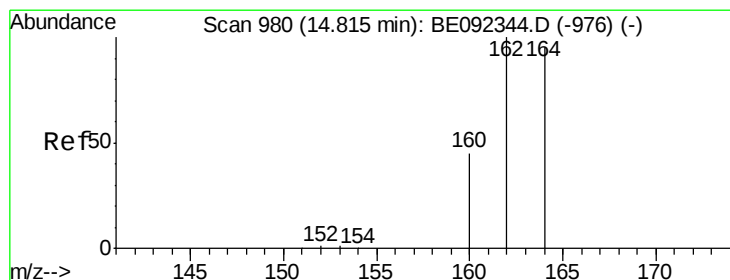
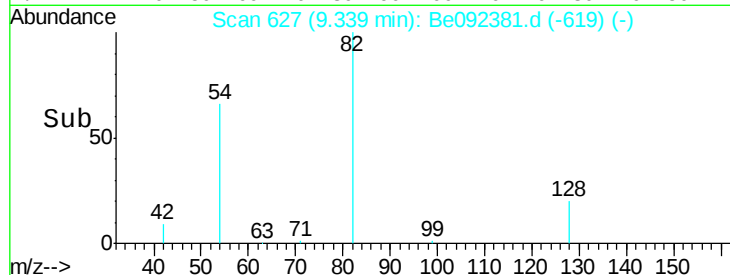
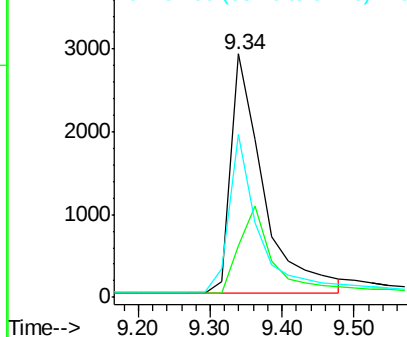
82 100

128 21.1 39.0 58.4#

54 67.1 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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 981

Delta R.T. 0.02 min

Lab File: BE092381.d

Acq: 13 Sep 2016 16:31

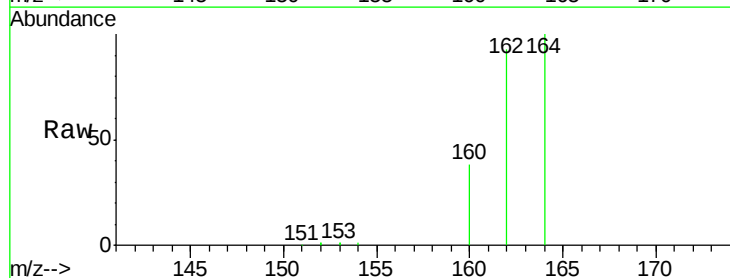
Tgt Ion: 164 Resp: 21770

Ion Ratio Lower Upper

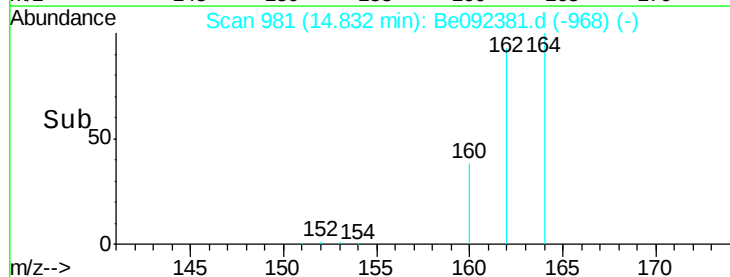
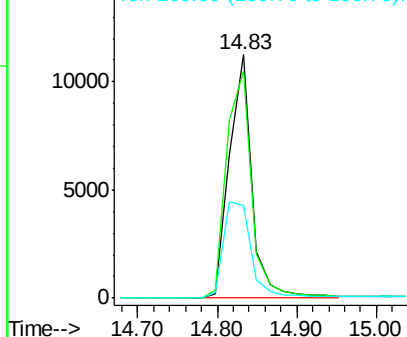
164 100

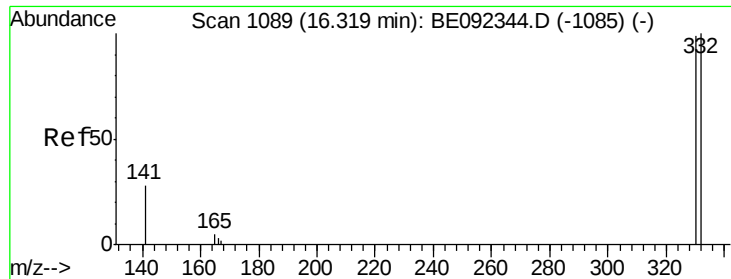
162 93.1 71.4 107.0

160 38.1 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

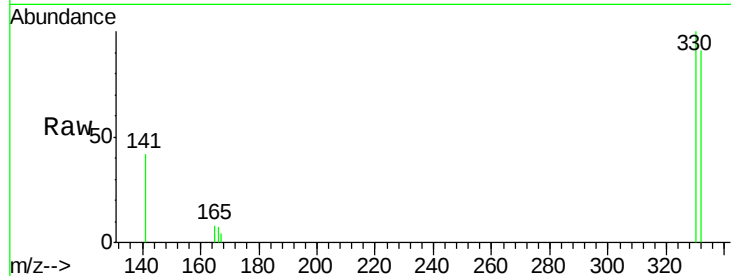




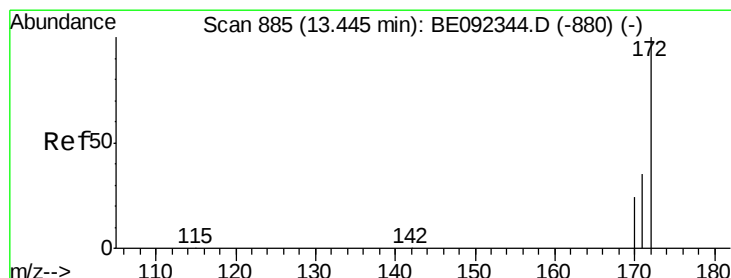
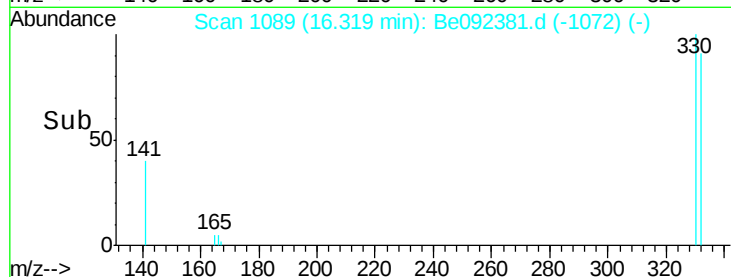
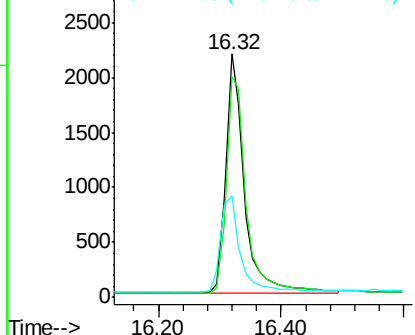
#13
 2,4,6-Tribromophenol
 Concen: 6.75 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BE092381.d
 Acq: 13 Sep 2016 16:31

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 4552
 Ion Ratio Lower Upper
 330 100
 332 96.9 75.4 113.0
 141 42.4 31.0 46.6

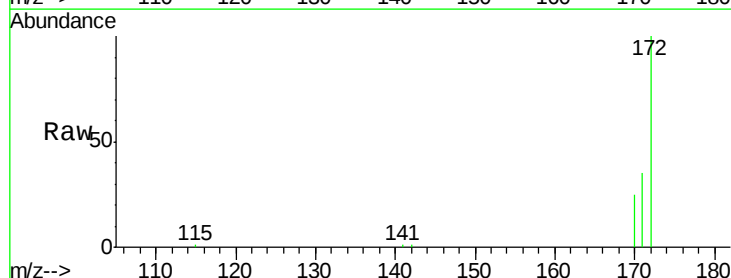


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

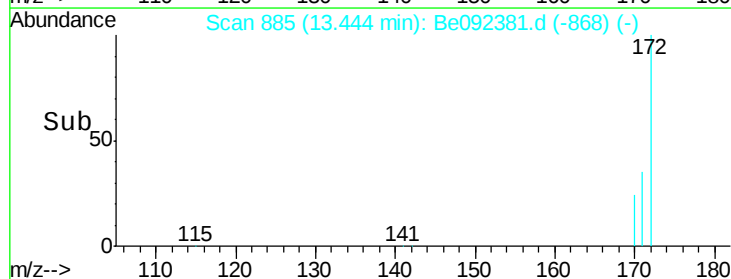
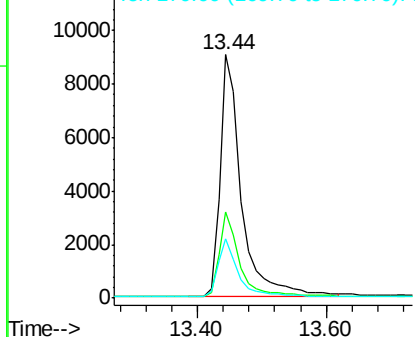


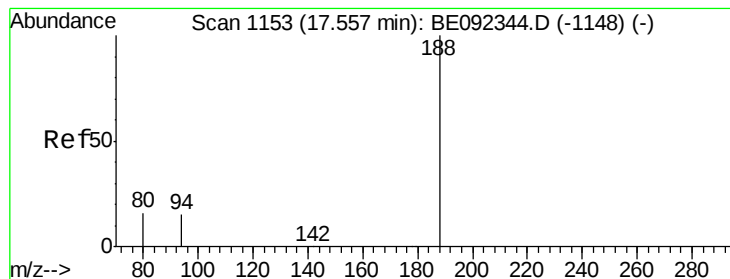
#14
 2-Fluorobiphenyl
 Concen: 3.14 ng
 RT: 13.44 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BE092381.d
 Acq: 13 Sep 2016 16:31

Tgt Ion:172 Resp: 20988
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.1 45.1
 170 24.5 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.02 min

Lab File: Be092381.d

Acq: 13 Sep 2016 16:31

Instrument :

BNA_E

ClientSampleId :

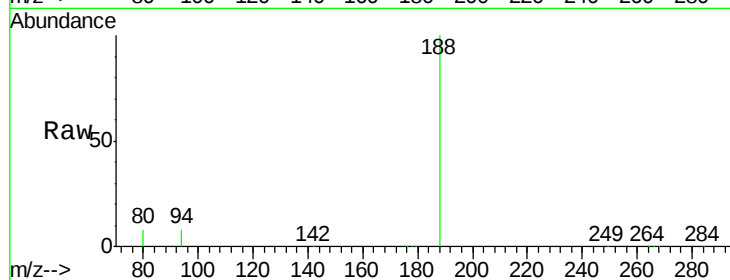
Tot Ion:188 Resp: 49330

Ion Ratio Lower Upper

188 100

94 8.0 3.2 4.8#

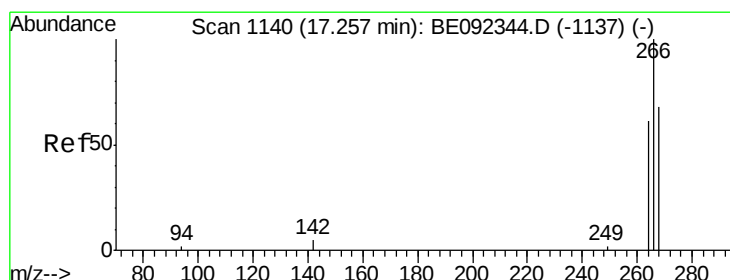
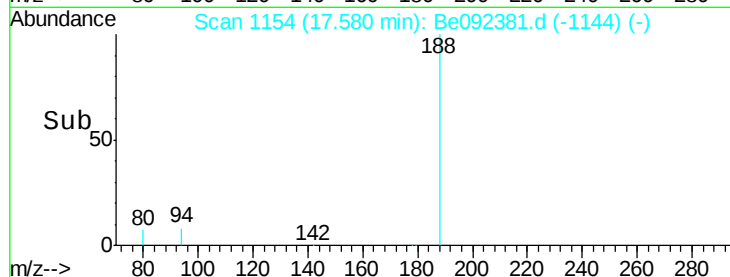
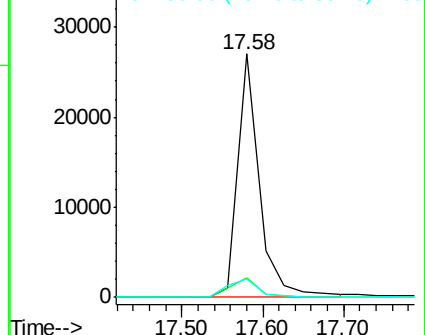
80 7.5 2.6 3.8#



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



#20

Pentachlorophenol

Concen: 0.08 ng

RT: 17.30 min Scan# 1142

Delta R.T. 0.05 min

Lab File: Be092381.d

Acq: 13 Sep 2016 16:31

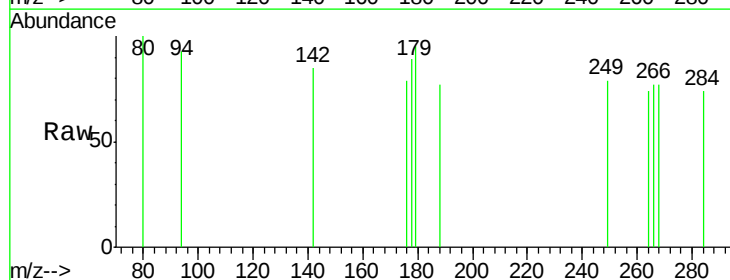
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

268 100.0 62.5 93.7#

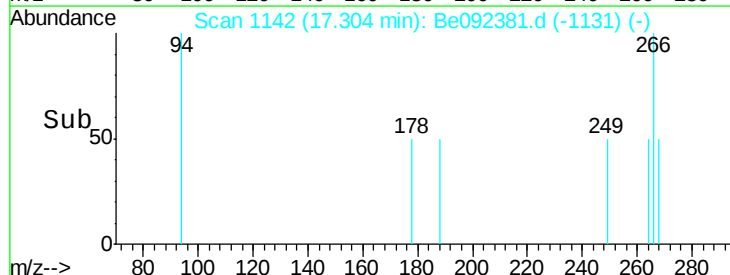
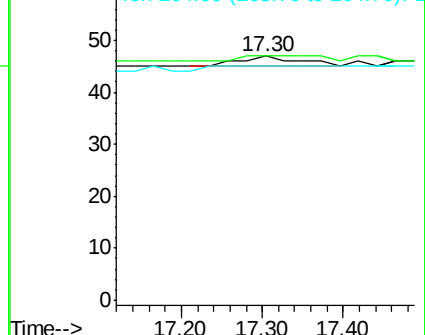
264 95.7 57.2 85.8#

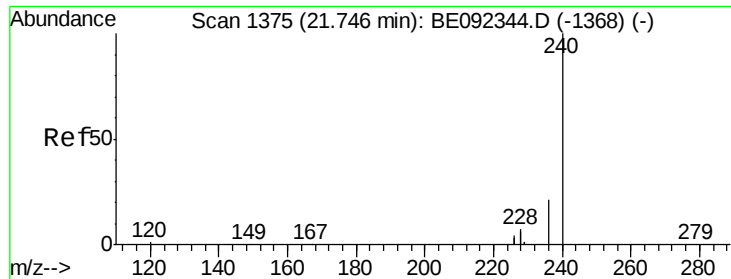


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

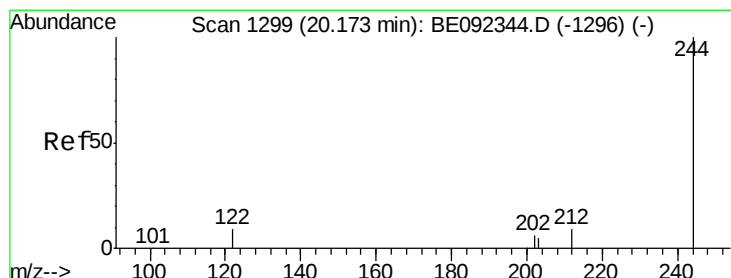
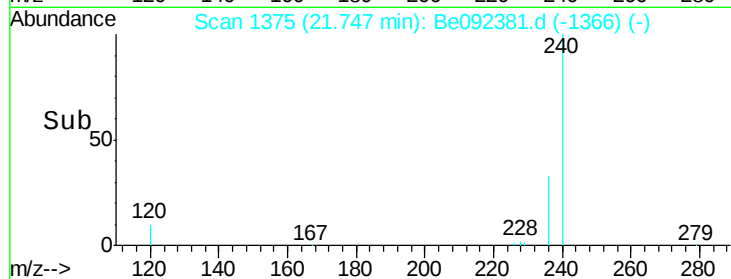
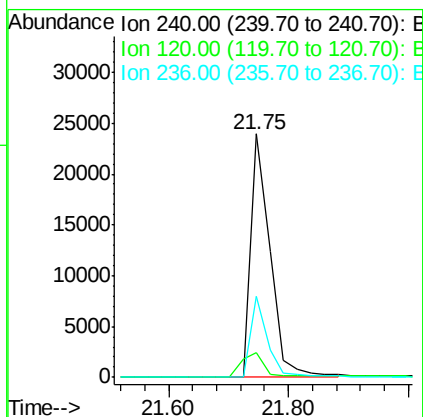
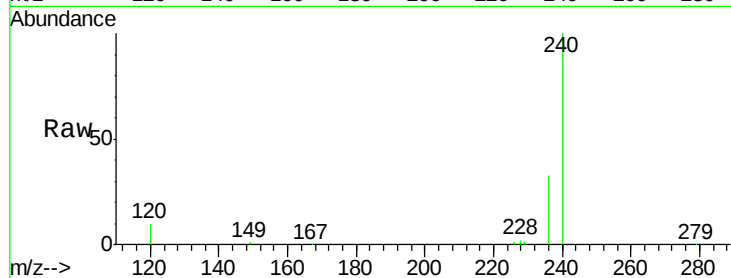




#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.75 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: BE092381.d
 Acq: 13 Sep 2016 16:31

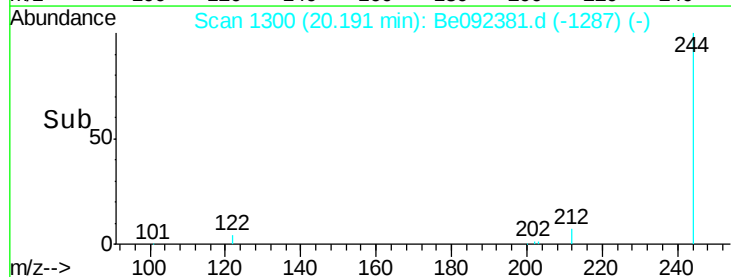
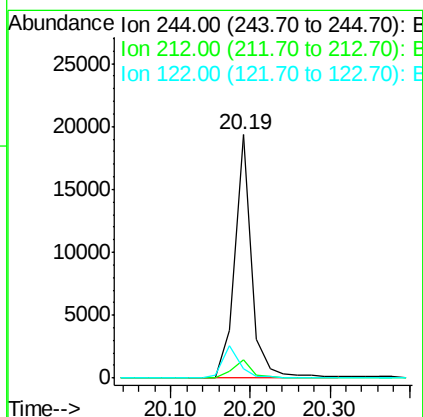
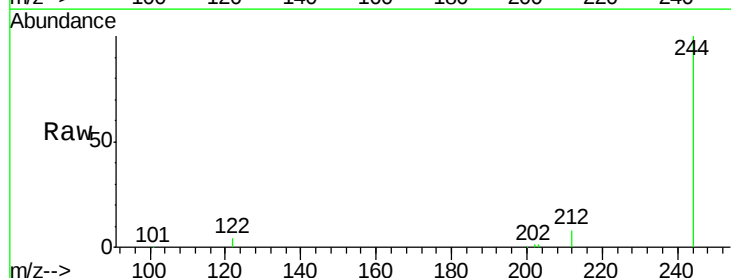
Instrument :
 BNA_E
 ClientSampleId :

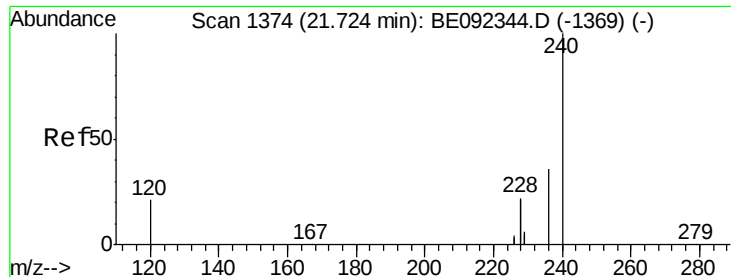
Tot Ion:240 Resp: 53569
 Ion Ratio Lower Upper
 240 100
 120 10.2 2.6 4.0#
 236 33.0 24.6 37.0



#26
 Terphenyl-d14
 Concen: 3.57 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.02 min
 Lab File: BE092381.d
 Acq: 13 Sep 2016 16:31

Tgt Ion:244 Resp: 28309
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.7 10.1
 122 3.9 3.6 5.4

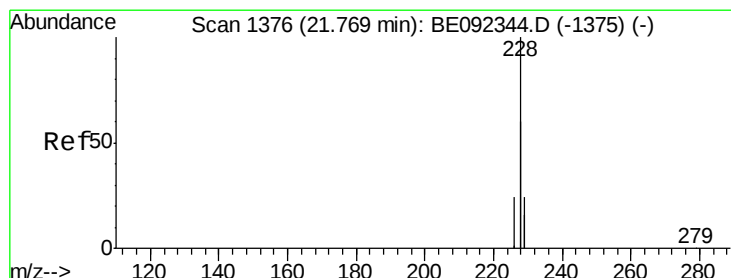
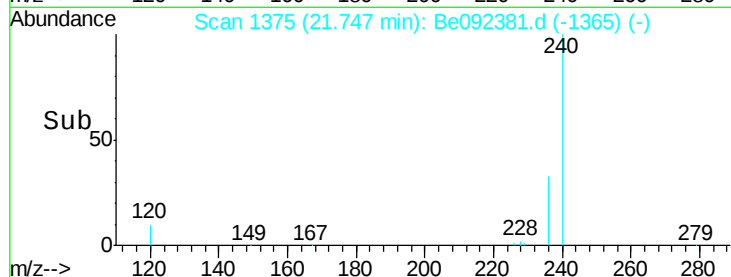
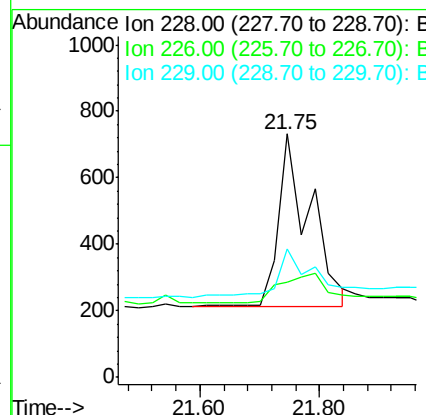
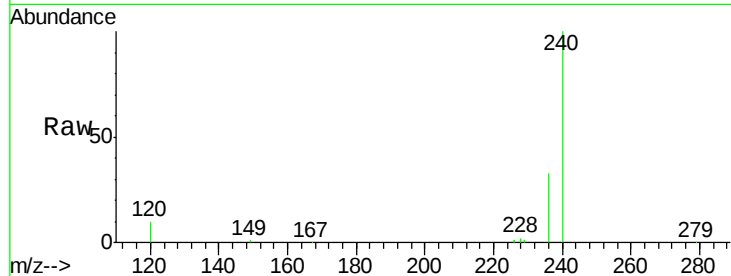




#27
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.02 min
Lab File: BE092381.d
Acq: 13 Sep 2016 16:31

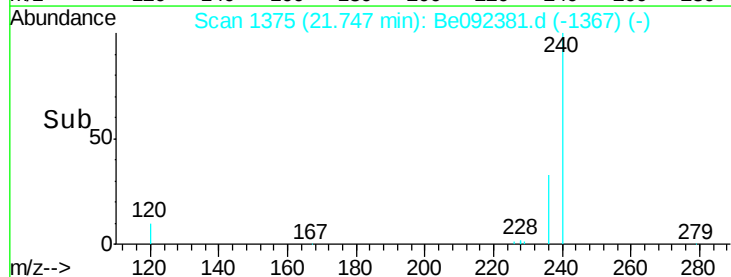
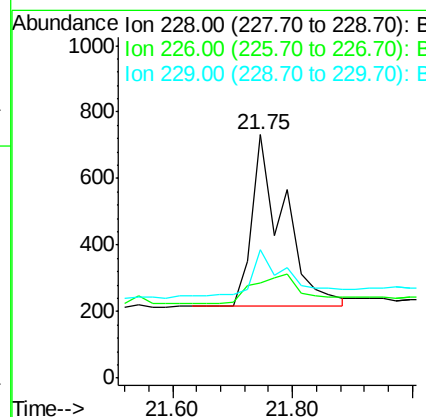
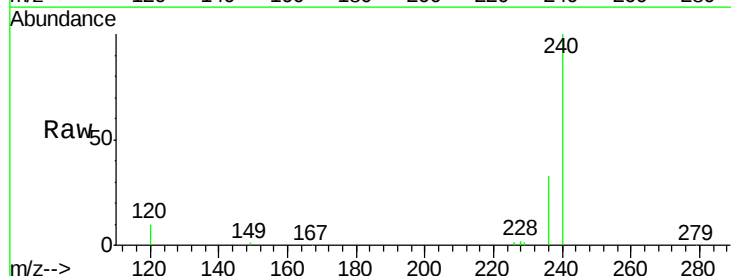
Instrument :
BNA_E
ClientSampled :

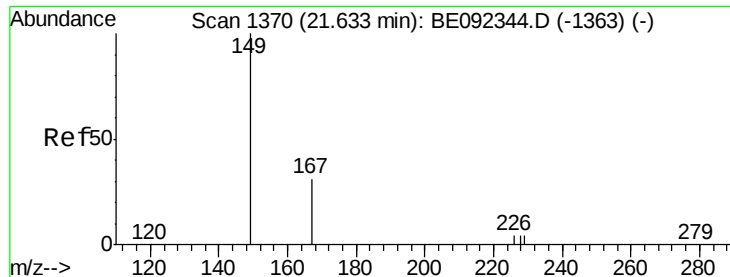
Tot Ion:228 Resp: 1918
Ion Ratio Lower Upper
228 100
226 39.1 23.6 35.4#
229 52.7 13.3 19.9#



#28
Chrysene
Concen: Below Cal
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092381.d
Acq: 13 Sep 2016 16:31

Tgt Ion:228 Resp: 1937
Ion Ratio Lower Upper
228 100
226 39.1 36.3 54.5
229 52.7 10.6 16.0#

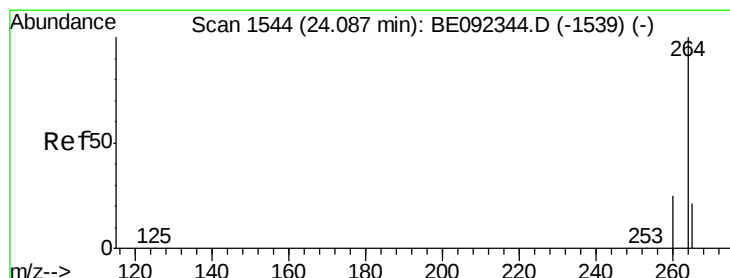
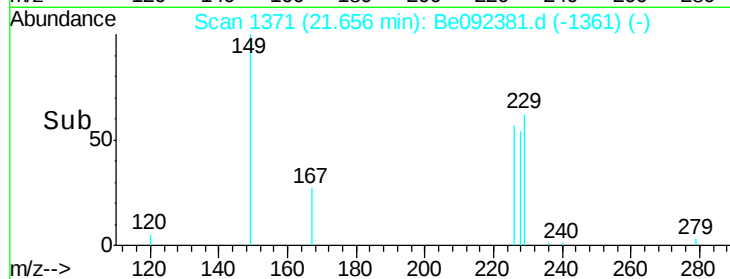
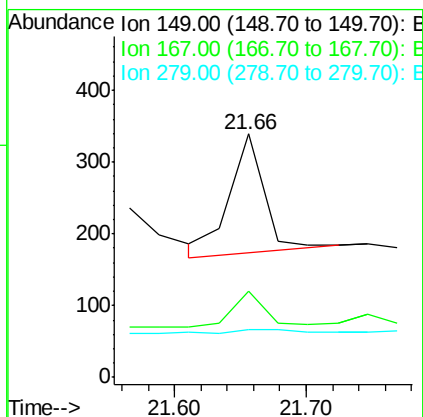
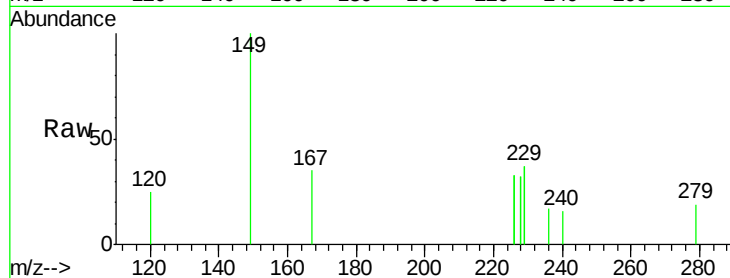




#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.12 ng
 RT: 21.66 min Scan# 1371
 Delta R.T. 0.02 min
 Lab File: BE092381.d
 Acq: 13 Sep 2016 16:31

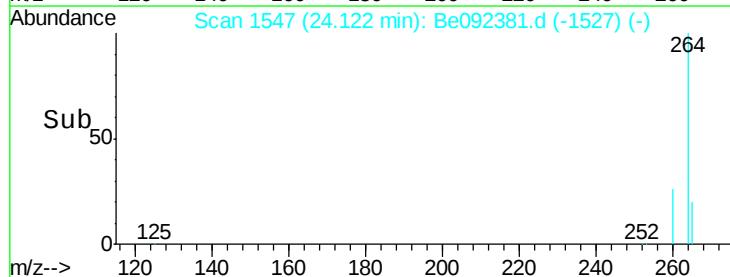
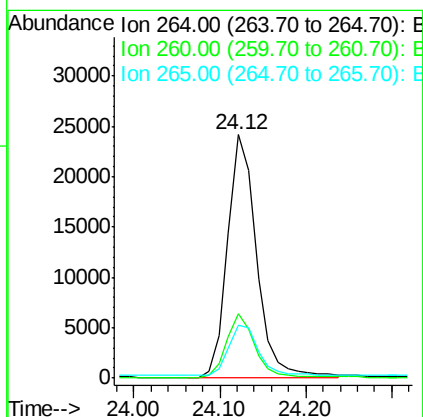
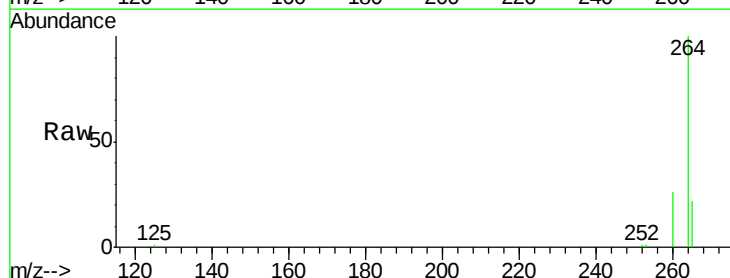
Instrument :
 BNA_E
 ClientSampleId :

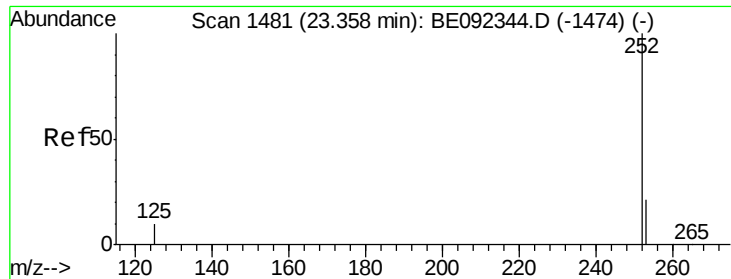
Tot Ion:149 Resp: 312
 Ion Ratio Lower Upper
 149 100
 167 38.8 16.0 24.0#
 279 0.0 16.0 24.0#



#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.12 min Scan# 1547
 Delta R.T. 0.04 min
 Lab File: BE092381.d
 Acq: 13 Sep 2016 16:31

Tgt Ion:264 Resp: 56633
 Ion Ratio Lower Upper
 264 100
 260 26.4 20.1 30.1
 265 21.5 17.9 26.9





#32

Benzo(b)fluoranthene

Concen: 0.06 ng

RT: 23.40 min Scan# 1485

Delta R.T. 0.05 min

Lab File: BE092381.d

Acq: 13 Sep 2016 16:31

Instrument :

BNA_E

ClientSampleId :

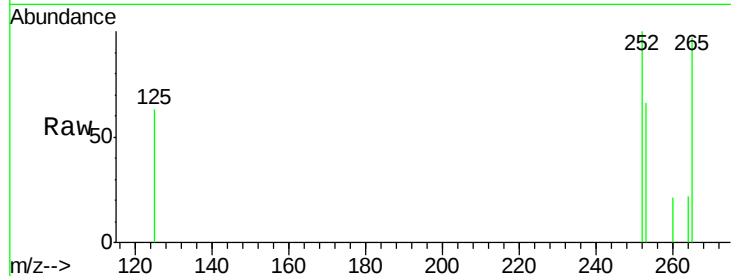
Tot Ion:252 Resp: 864

Ion Ratio Lower Upper

252 100

253 66.3 18.7 28.1#

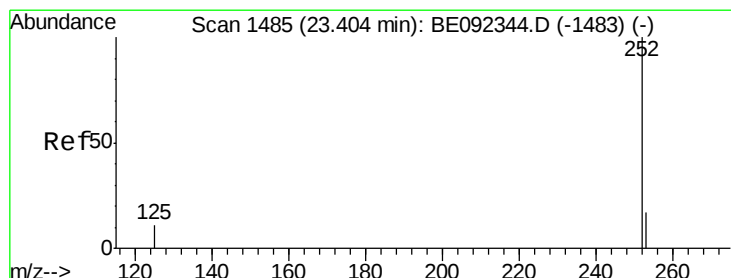
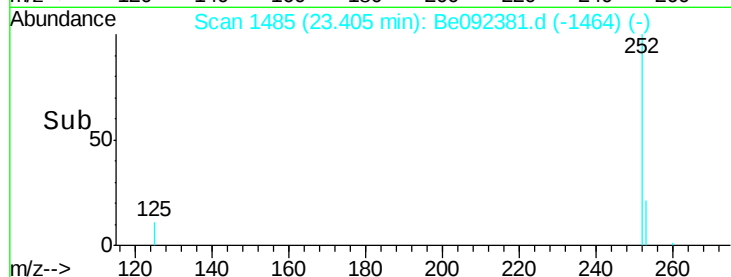
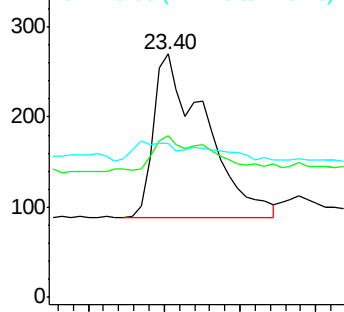
125 63.3 10.5 15.7#



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



#33

Benzo(k)fluoranthene

Concen: 0.06 ng

RT: 23.40 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BE092381.d

Acq: 13 Sep 2016 16:31

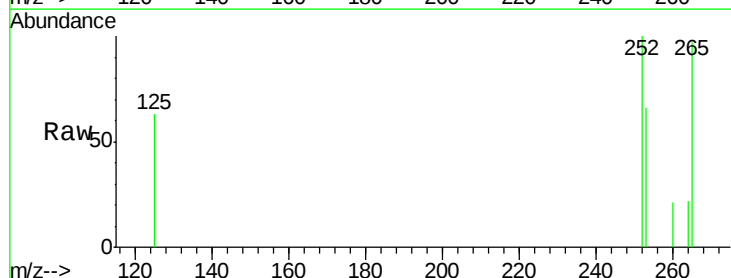
Tgt Ion:252 Resp: 864

Ion Ratio Lower Upper

252 100

253 66.3 20.3 30.5#

125 63.3 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

