

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082515\
 Data File : BE090632.D
 Acq On : 26 Aug 2015 2:22
 Operator : UM/IZ
 Sample : G3401-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 26 03:29:49 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 14 16:52:42 2015
 Response via : Initial Calibration

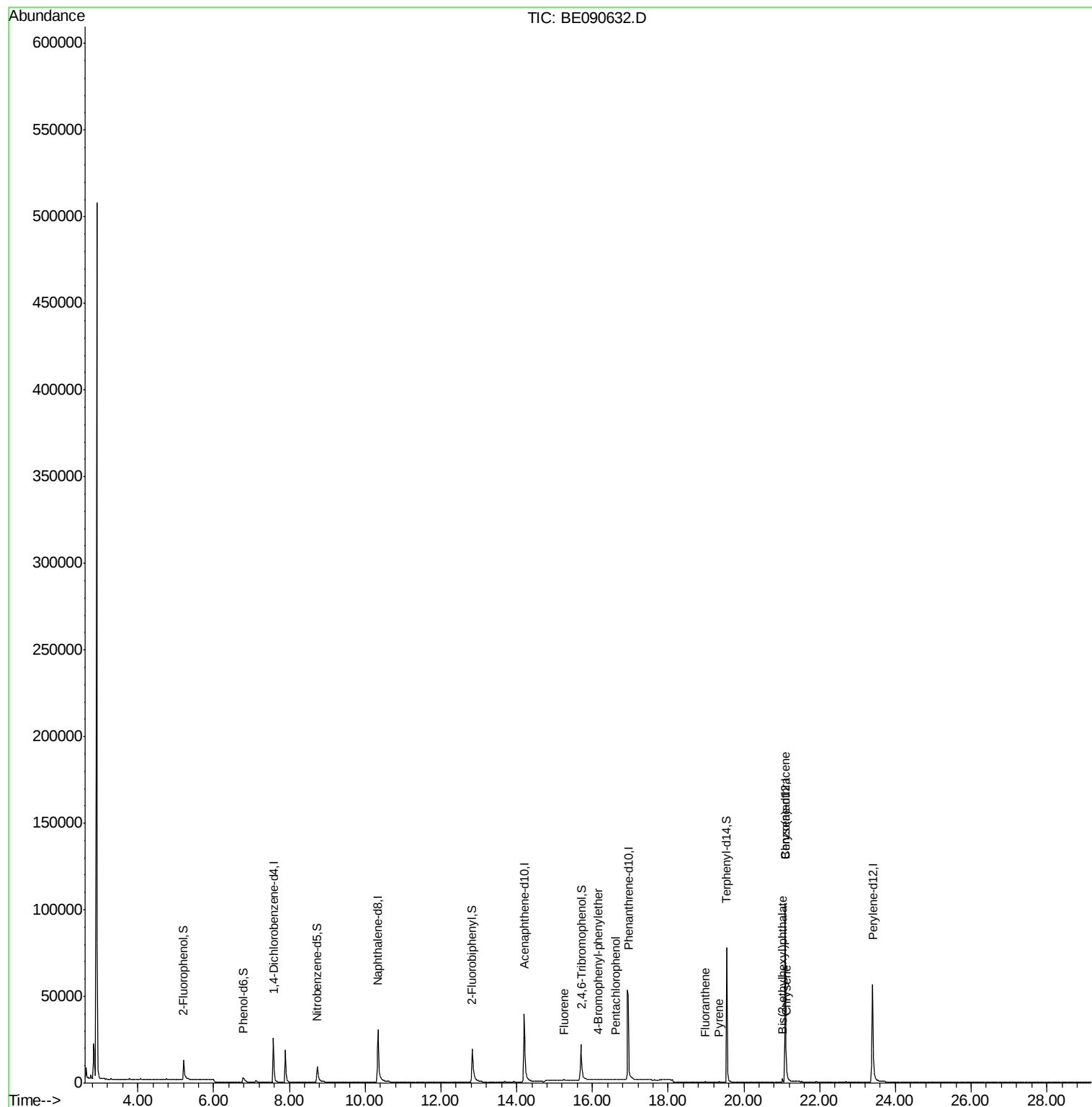
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	14974	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	64411	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	38375	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	103279	5.00	ng	0.00
25) Chrysene-d12	21.09	240	115163	5.00	ng	0.00
32) Perylene-d12	23.40	264	98483	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	11695	2.70	ng	0.00
5) Phenol-d6	6.78	99	8314	1.31	ng	0.00
7) Nitrobenzene-d5	8.74	82	17634	3.44	ng	0.02
13) 2,4,6-Tribromophenol	15.71	330	13062	8.84	ng	0.00
14) 2-Fluorobiphenyl	12.83	172	41141	3.59	ng	0.01
27) Terphenyl-d14	19.55	244	89976	4.27	ng	0.00
Target Compounds						
17) Fluorene	15.26	166	318	0.02	ng	Qvalue # 74
19) 4-Bromophenyl-phenylether	16.14	248	89	0.02	ng	95
21) Pentachlorophenol	16.61	266	20	0.31	ng	# 67
24) Fluoranthene	18.98	202	723	0.03	ng	# 94
26) Pyrene	19.34	202	777	0.02	ng	# 95
28) Benzo(a)anthracene	21.09	228	806	0.03	ng	# 87
29) Chrysene	21.13	228	698	0.02	ng	# 81
30) Bis(2-ethylhexyl)phthalate	21.02	149	1694	0.23	ng	98

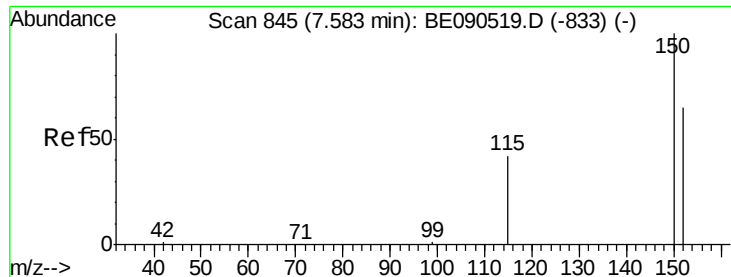
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BE090632.D
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ALS Vial : 21 Sample Multiplier: 1

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BNA_E
ClientSampleId :

Quant Time: Aug 26 03:29:49 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE081415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 14 16:52:42 2015
Response via : Initial Calibration

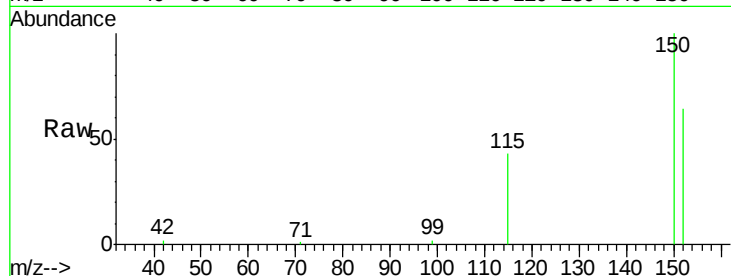




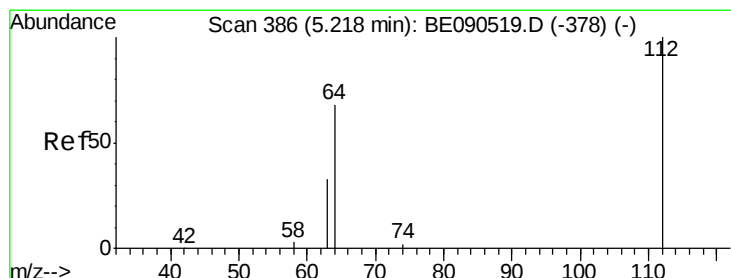
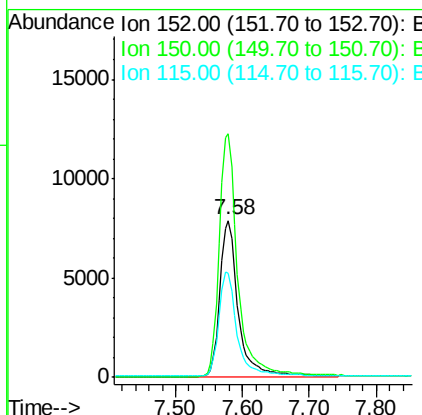
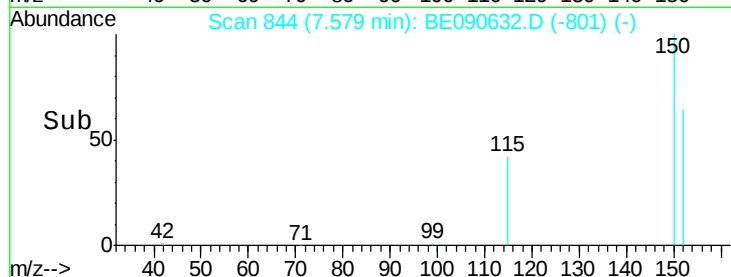
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.58 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BE090632.D
 Acq: 26 Aug 2015 2:22

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 14974
 Ion Ratio Lower Upper
 152 100
 150 155.3 123.0 184.4
 115 66.1 48.9 73.3

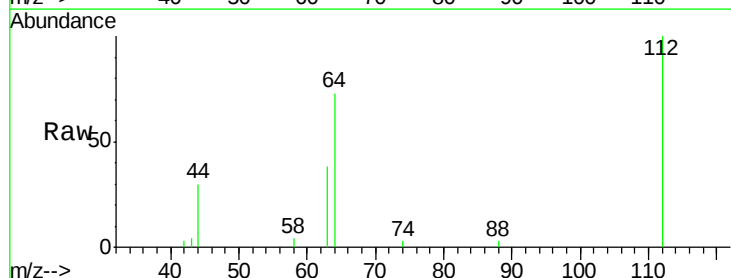


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

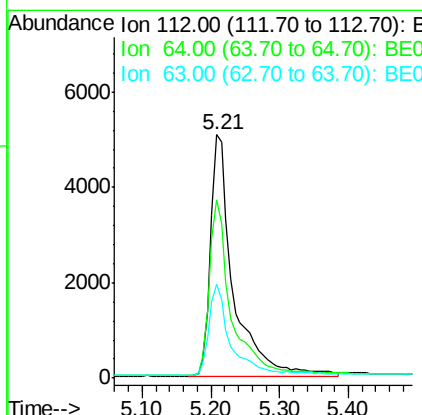
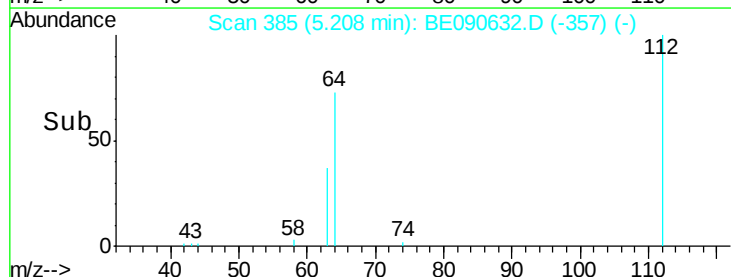


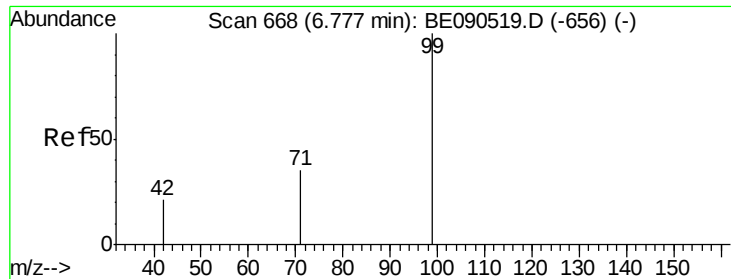
#4
 2-Fluorophenol
 Concen: 2.70 ng
 RT: 5.21 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: BE090632.D
 Acq: 26 Aug 2015 2:22

Tgt Ion:112 Resp: 11695
 Ion Ratio Lower Upper
 112 100
 64 70.5 37.1 55.7#
 63 35.7 19.5 29.3#



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: 1.31 ng

RT: 6.78 min Scan# 668

Delta R.T. 0.00 min

Lab File: BE090632.D

Acq: 26 Aug 2015 2:22

Instrument :

BNA_E

ClientSampled :

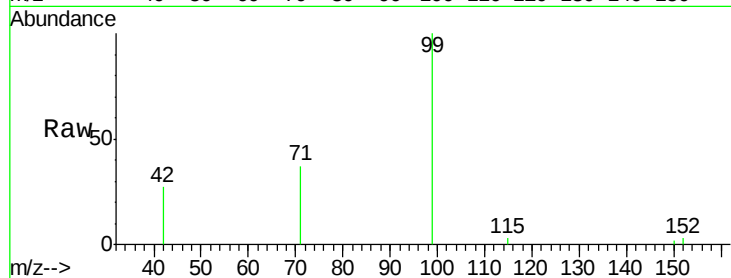
Tot Ion: 99 Resp: 8314

Ion Ratio Lower Upper

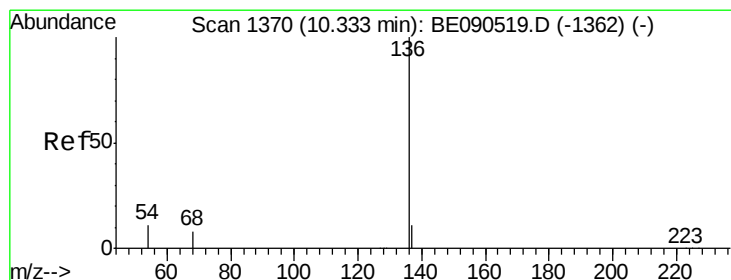
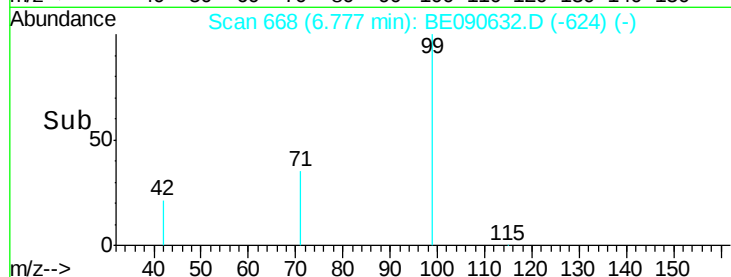
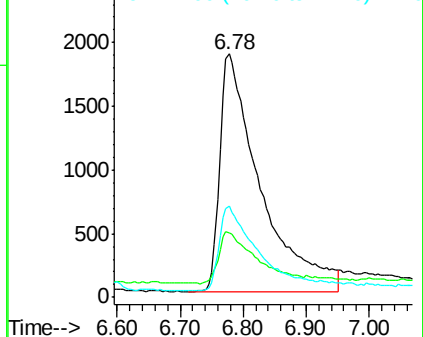
99 100

42 20.2 18.2 27.4

71 35.8 27.4 41.0



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BE090632.D

Acq: 26 Aug 2015 2:22

Tgt Ion: 136 Resp: 64411

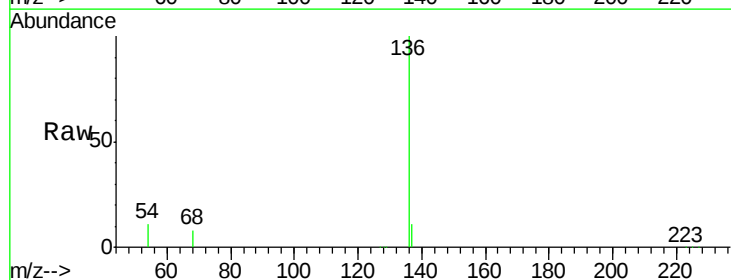
Ion Ratio Lower Upper

136 100

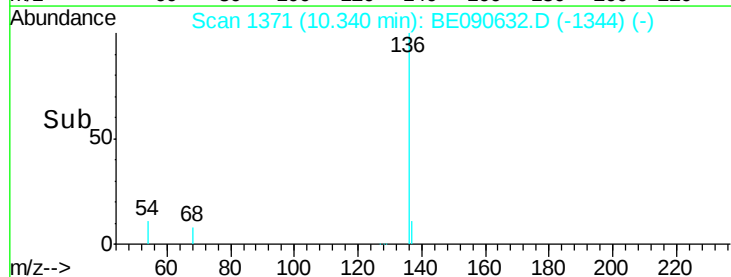
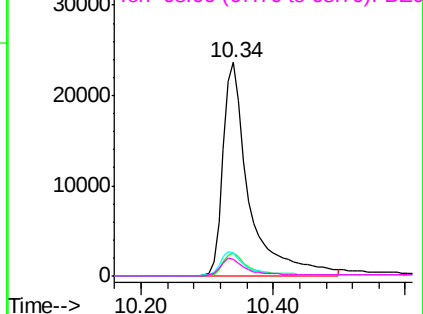
137 11.0 8.7 13.1

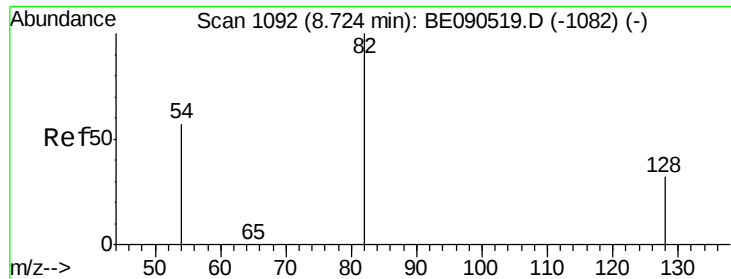
54 10.8 9.4 14.0

68 7.9 6.5 9.7



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





#7

Nitrobenzene-d5

Concen: 3.44 ng

RT: 8.74 min Scan# 1095

Delta R.T. 0.02 min

Lab File: BE090632.D

Acq: 26 Aug 2015 2:22

Instrument :

BNA_E

ClientSampleId :

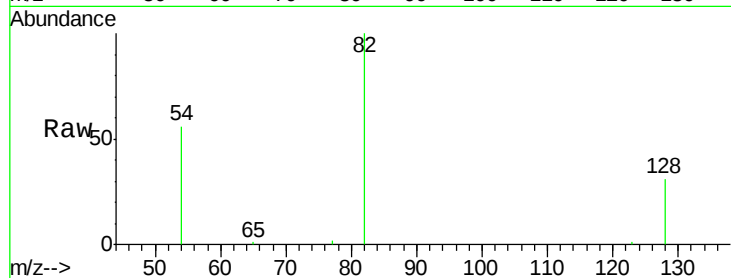
Tot Ion: 82 Resp: 17634

Ion Ratio Lower Upper

82 100

128 30.8 25.0 37.6

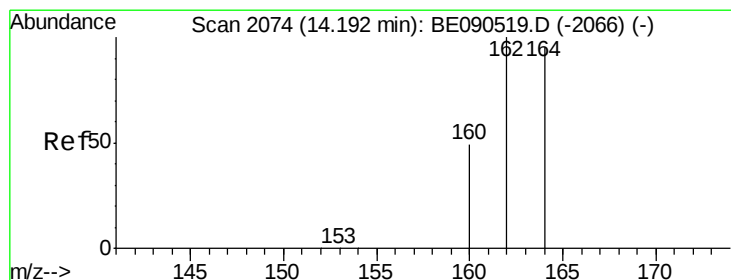
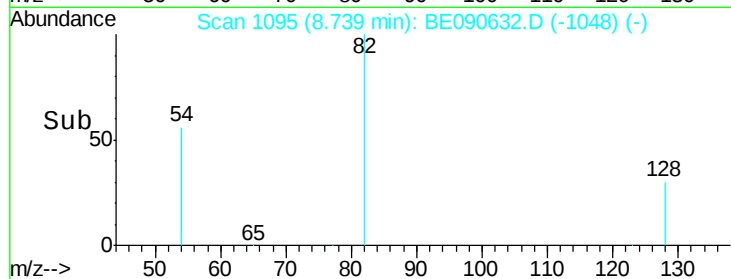
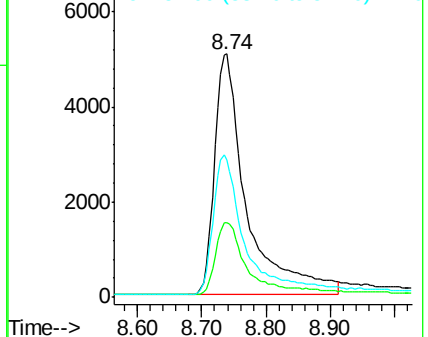
54 56.3 48.8 73.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.01 min

Lab File: BE090632.D

Acq: 26 Aug 2015 2:22

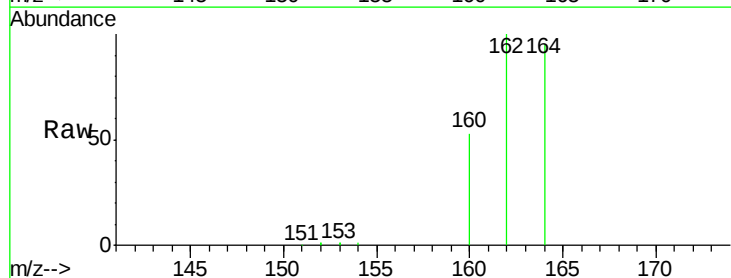
Tgt Ion: 164 Resp: 38375

Ion Ratio Lower Upper

164 100

162 105.7 81.8 122.8

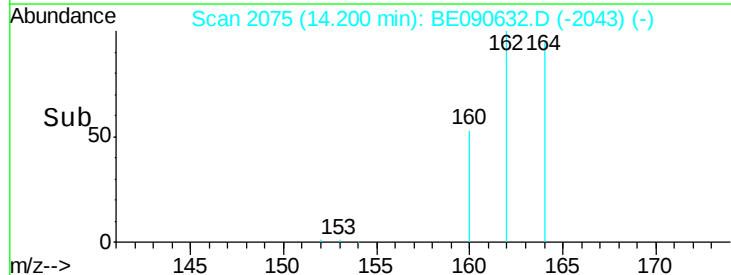
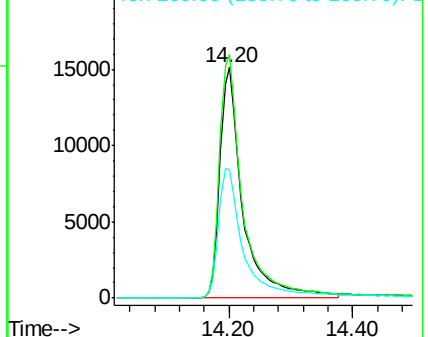
160 56.0 44.2 66.4

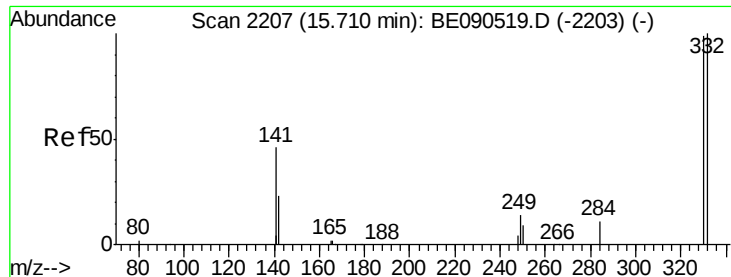


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

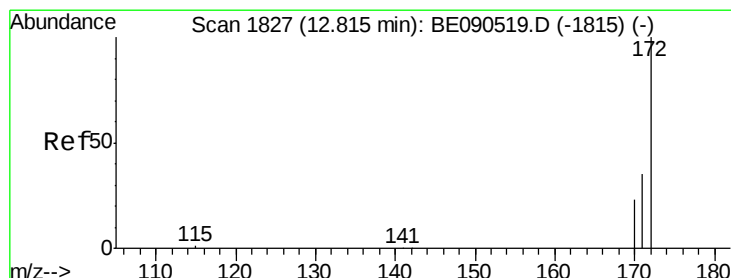
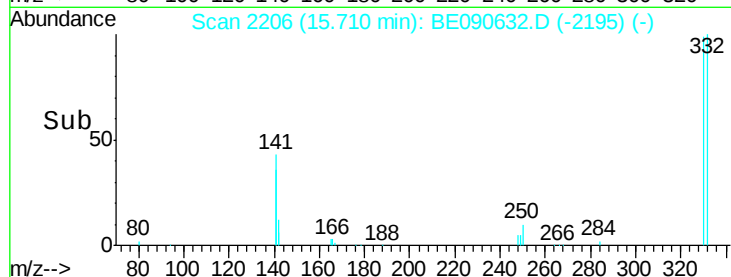
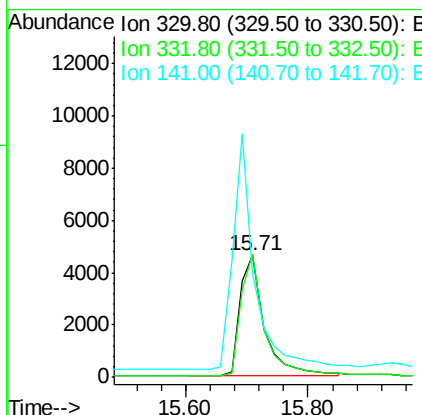
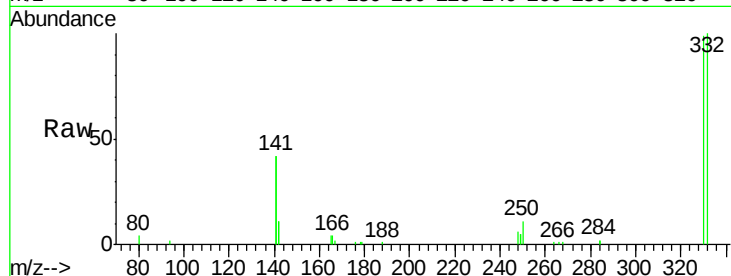




#13
 2,4,6-Tribromophenol
 Concen: 8.84 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BE090632.D
 Acq: 26 Aug 2015 2:22

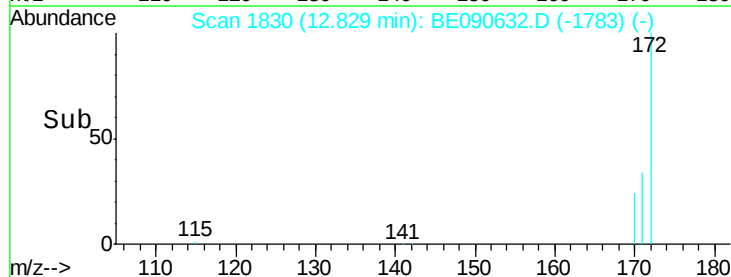
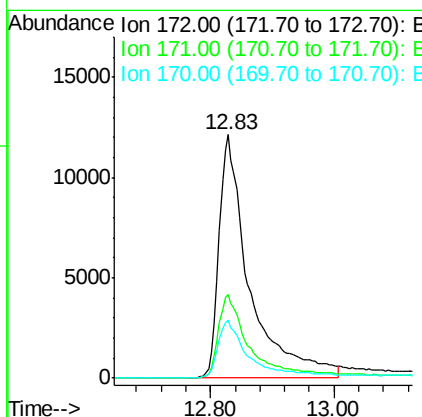
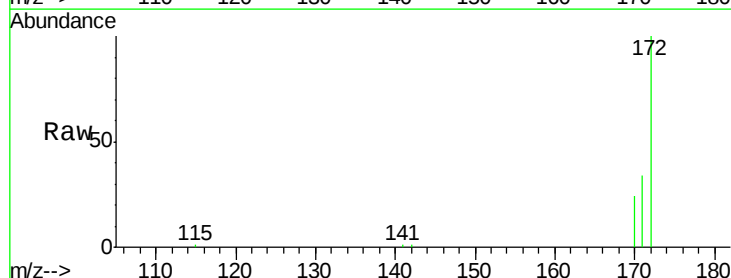
Instrument :
 BNA_E
 ClientSampleId :

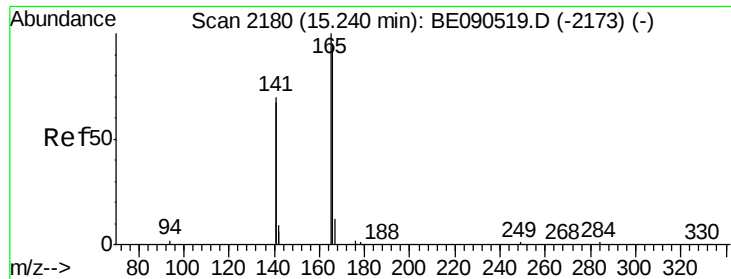
Tot Ion:330 Resp: 13062
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.8 113.6
 141 172.4 114.4 171.6#



#14
 2-Fluorobiphenyl
 Concen: 3.59 ng
 RT: 12.83 min Scan# 1830
 Delta R.T. 0.01 min
 Lab File: BE090632.D
 Acq: 26 Aug 2015 2:22

Tgt Ion:172 Resp: 41141
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.5 42.7
 170 23.8 19.8 29.8

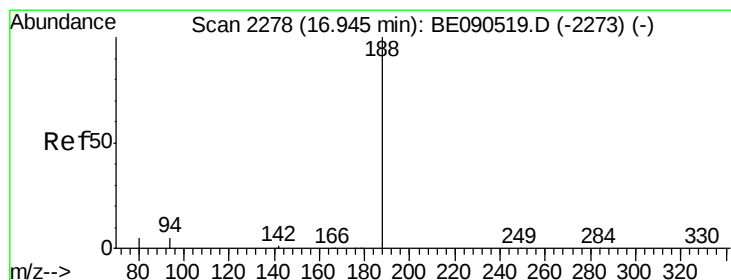
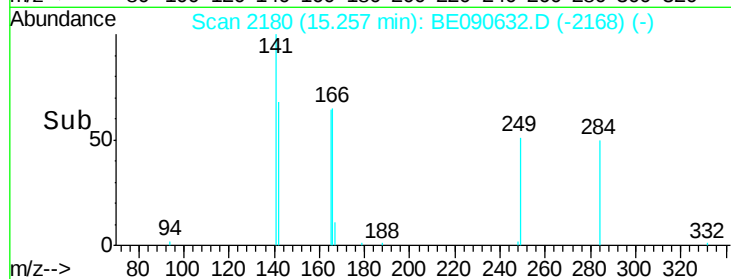
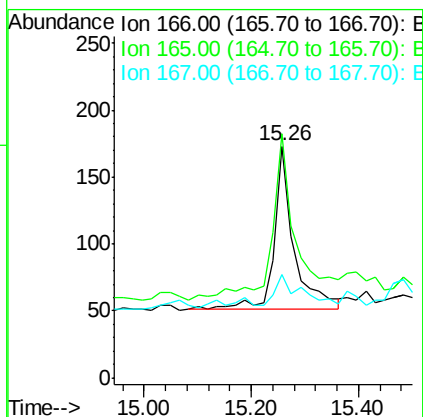
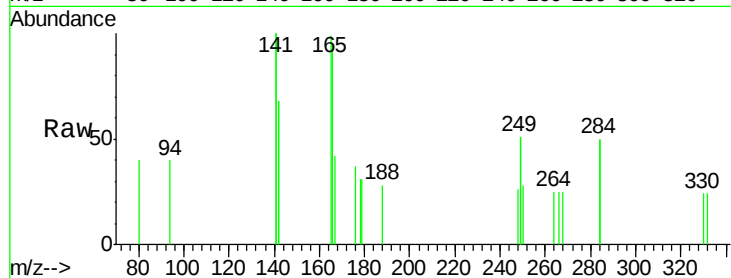




#17
Fluorene
 Concen: 0.02 ng
 RT: 15.26 min Scan# 2180
 Delta R.T. 0.02 min
 Lab File: BE090632.D
 Acq: 26 Aug 2015 2:22

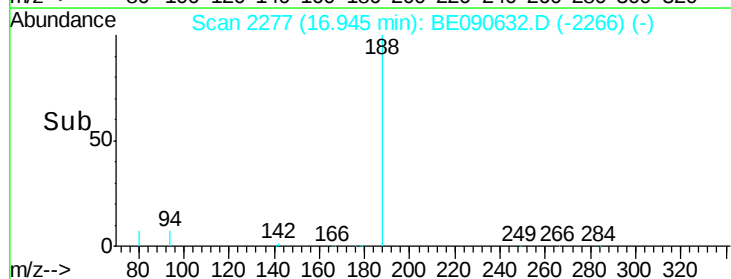
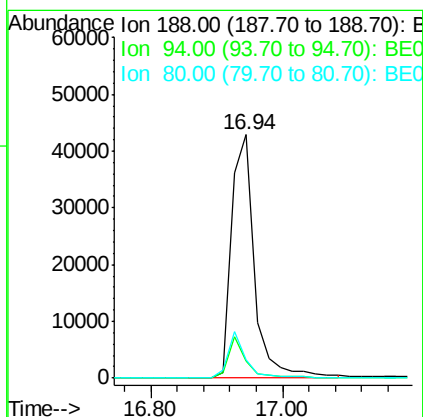
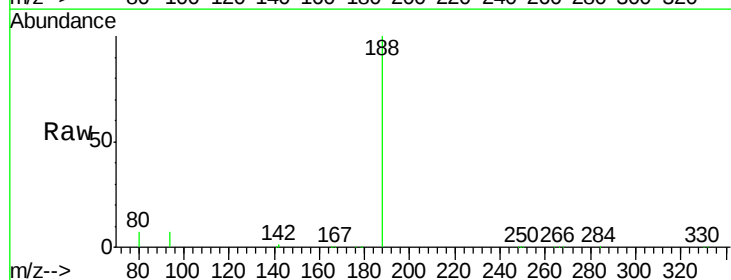
Instrument :
 BNA_E
 ClientSampleId :

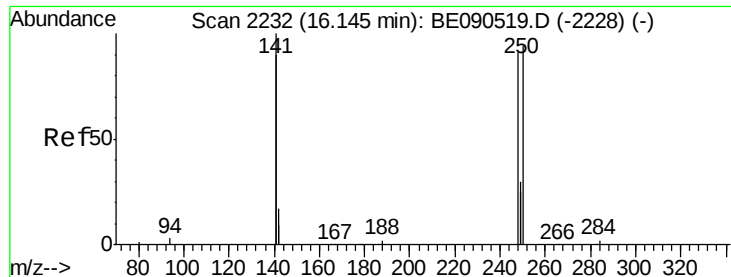
Tot Ion	Ratio	Lower	Upper
166	100		
165	127.7	81.5	122.3#
167	24.8	11.4	17.0#



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BE090632.D
 Acq: 26 Aug 2015 2:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.7	8.5
80	7.3	5.8	8.8

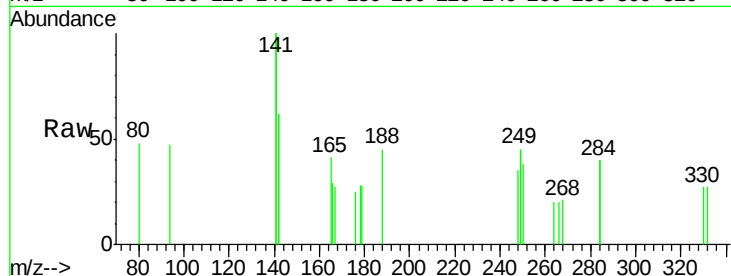




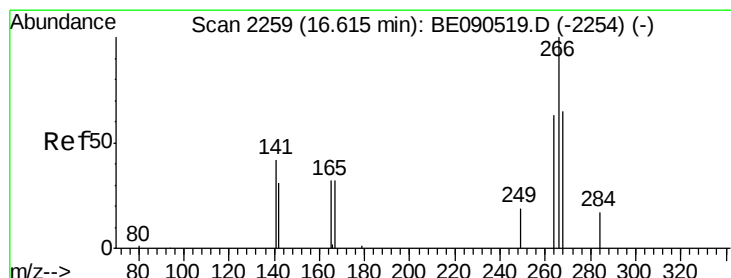
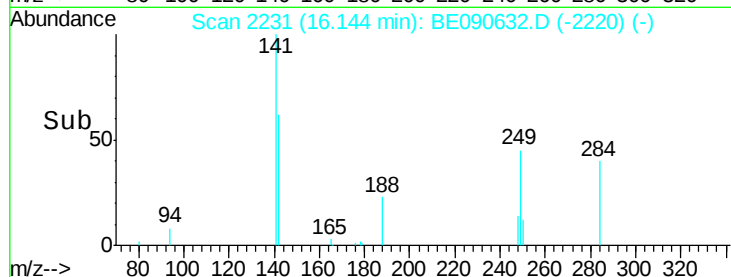
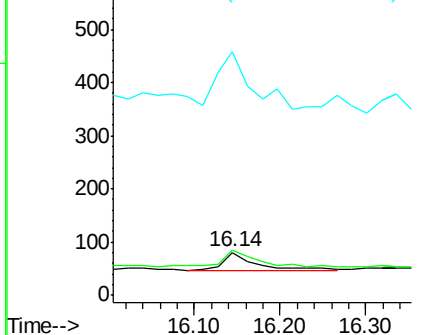
#19
4-Bromophenyl-phenylether
Concen: 0.02 ng
RT: 16.14 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BE090632.D
Acq: 26 Aug 2015 2:22

Instrument :
BNA_E
ClientSampled :

Tot Ion:248 Resp: 89
Ion Ratio Lower Upper
248 100
250 85.4 79.0 118.6
141 295.5 239.5 359.3

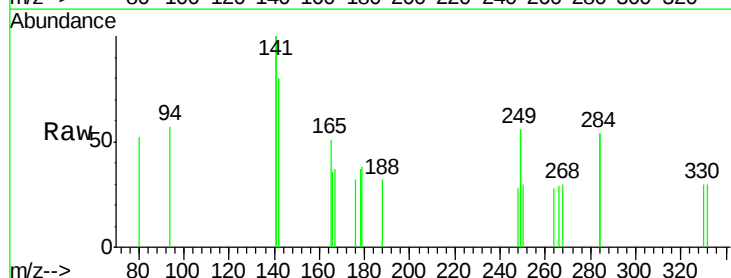


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

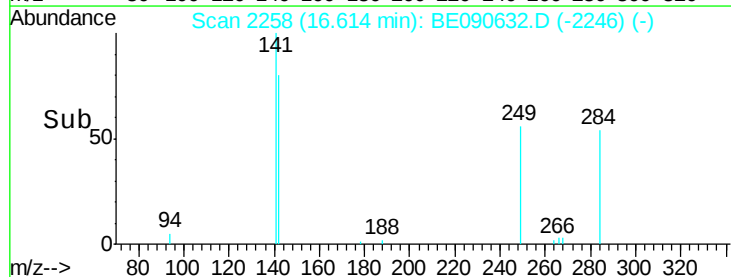
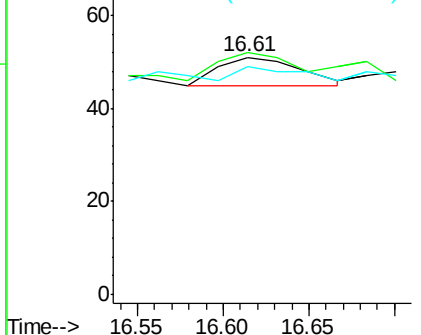


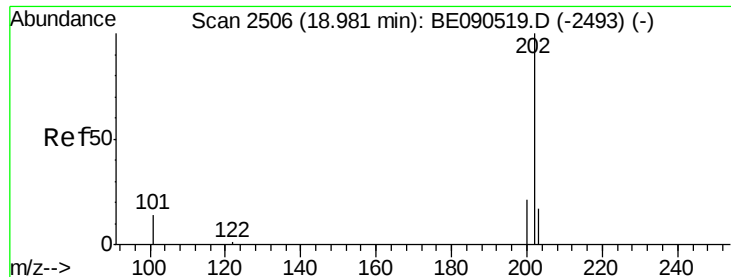
#21
Pentachlorophenol
Concen: 0.31 ng
RT: 16.61 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BE090632.D
Acq: 26 Aug 2015 2:22

Tgt Ion:266 Resp: 20
Ion Ratio Lower Upper
266 100
268 102.0 58.5 87.7#
264 96.1 56.0 84.0#



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

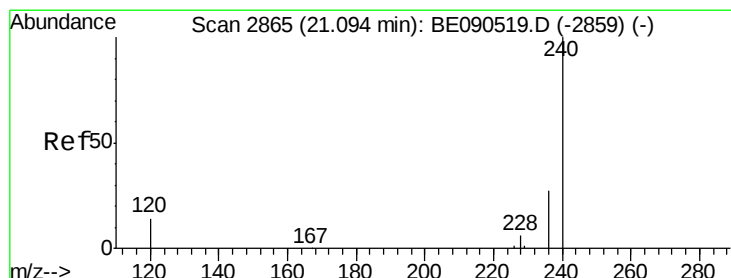
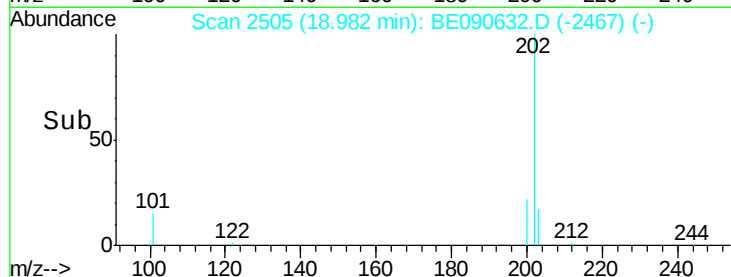
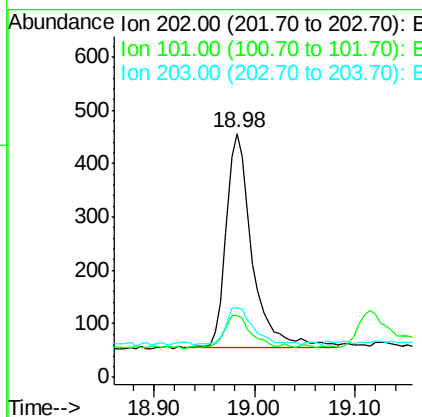
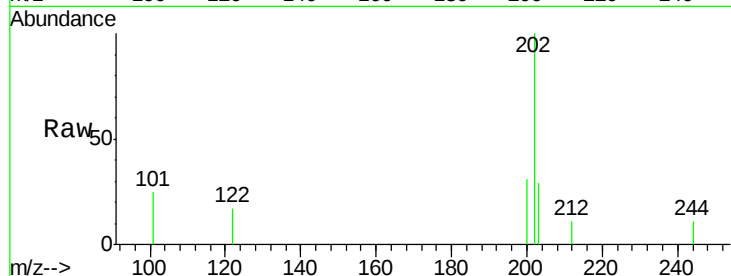




#24
 Fluoranthene
 Concen: 0.03 ng
 RT: 18.98 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: BE090632.D
 Acq: 26 Aug 2015 2:22

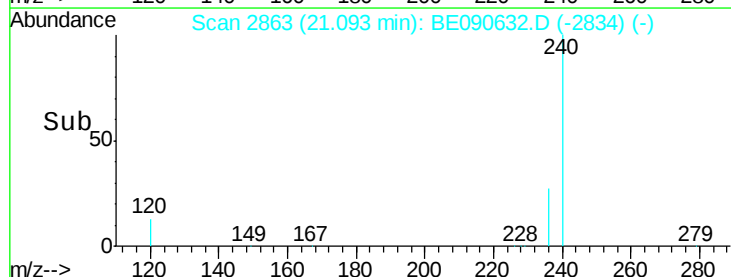
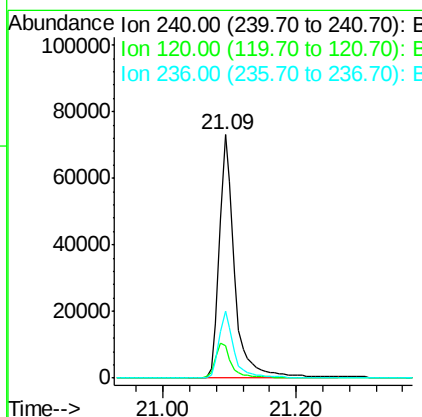
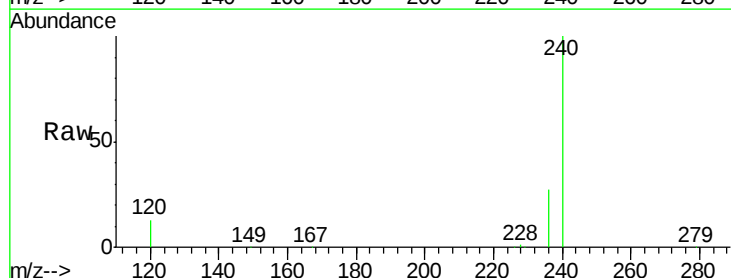
Instrument :
 BNA_E
 ClientSampleId :

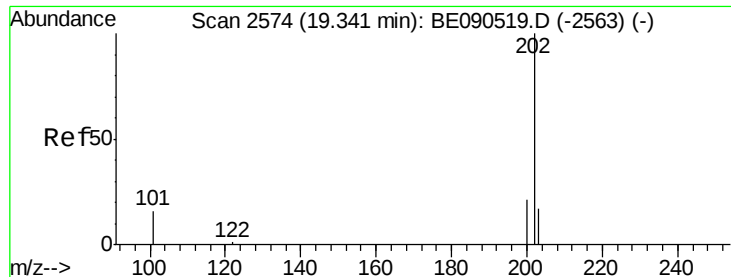
Tot Ion	Ratio	Lower	Upper
202	100		
101	16.2	10.3	15.5#
203	18.8	13.7	20.5



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.09 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: BE090632.D
 Acq: 26 Aug 2015 2:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.3	12.5#
236	27.3	21.0	31.4

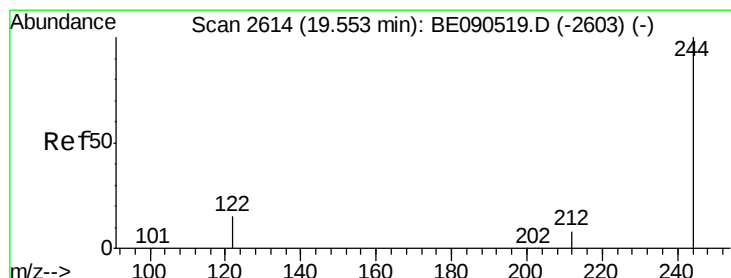
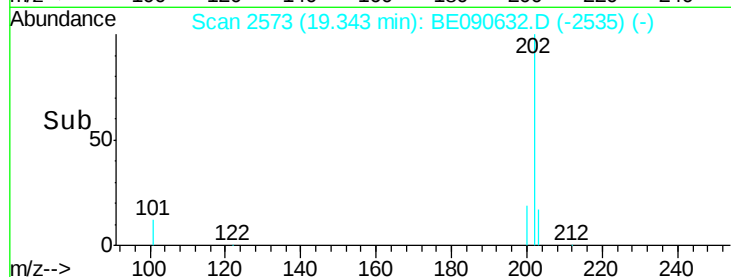
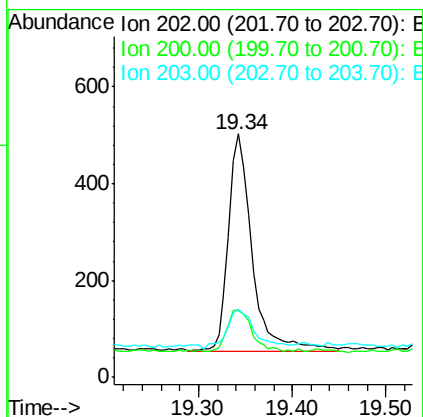
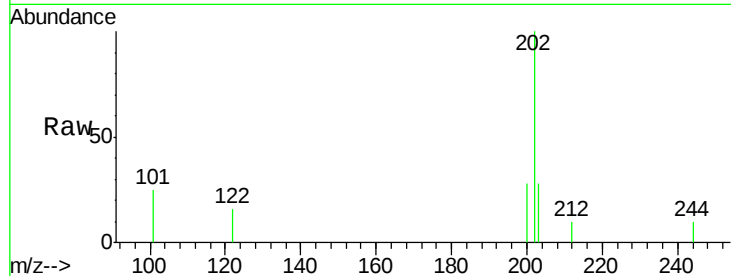




#26
Pvrene
Concen: 0.02 ng
RT: 19.34 min Scan# 2573
Delta R.T. 0.00 min
Lab File: BE090632.D
Acq: 26 Aug 2015 2:22

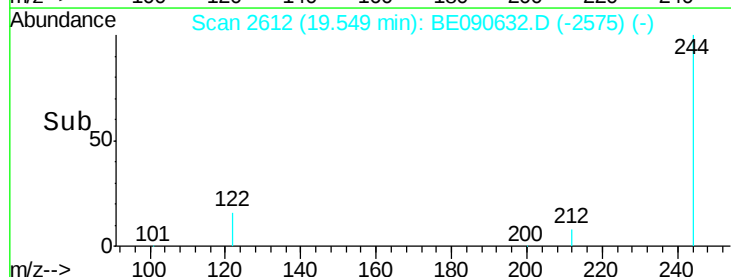
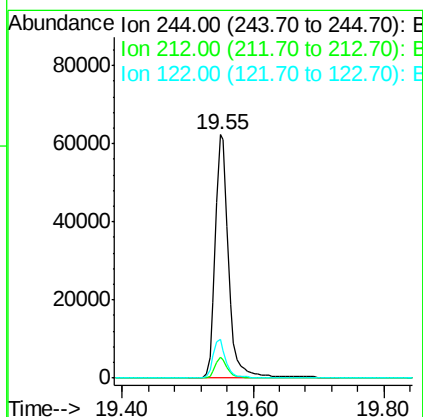
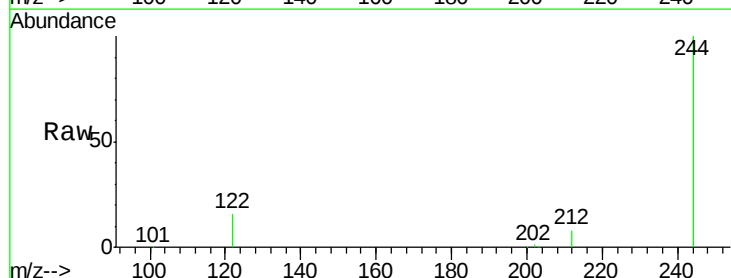
Instrument :
BNA_E
ClientSampleId :

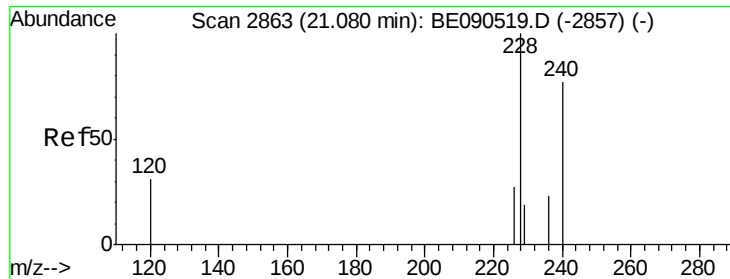
Tot Ion:202 Resp: 777
Ion Ratio Lower Upper
202 100
200 20.3 16.7 25.1
203 21.5 13.8 20.8#



#27
Terphenyl-d14
Concen: 4.27 ng
RT: 19.55 min Scan# 2612
Delta R.T. -0.00 min
Lab File: BE090632.D
Acq: 26 Aug 2015 2:22

Tgt Ion:244 Resp: 89976
Ion Ratio Lower Upper
244 100
212 8.4 6.6 9.8
122 16.0 10.2 15.4#





#28

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.09 min Scan# 2862

Delta R.T. 0.01 min

Lab File: BE090632.D

Acq: 26 Aug 2015 2:22

Instrument :

BNA_E

ClientSampleId :

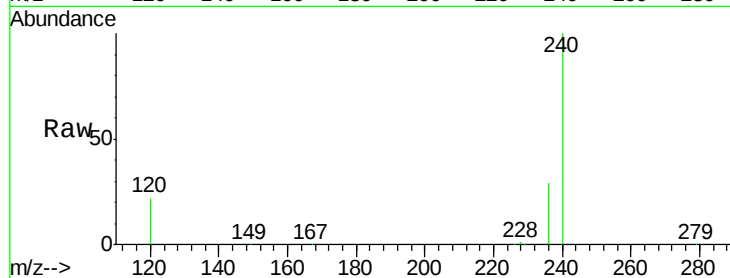
Tot Ion:228 Resp: 806

Ion Ratio Lower Upper

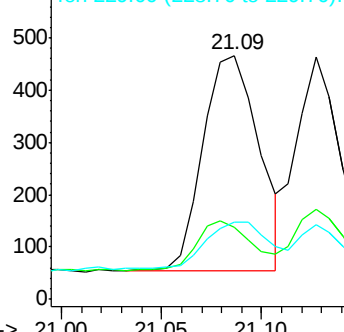
228 100

226 29.4 21.9 32.9

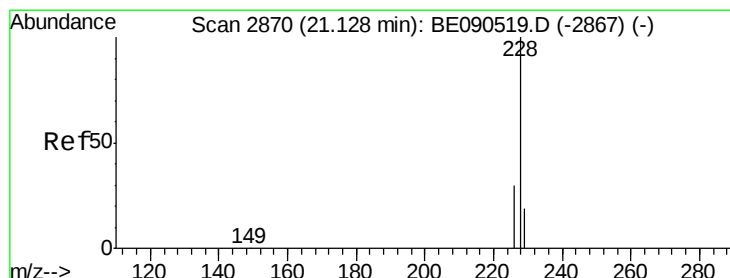
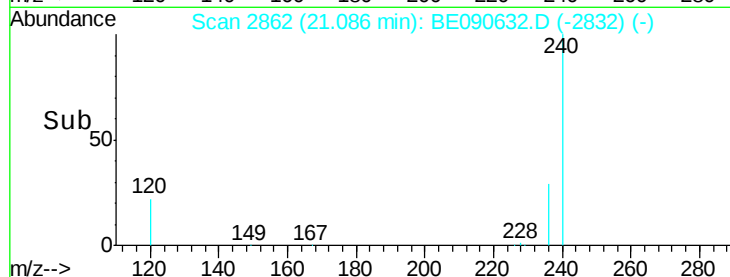
229 31.5 15.4 23.0#



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



Time--> 21.00 21.05 21.10



#29

Chrysene

Concen: 0.02 ng

RT: 21.13 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BE090632.D

Acq: 26 Aug 2015 2:22

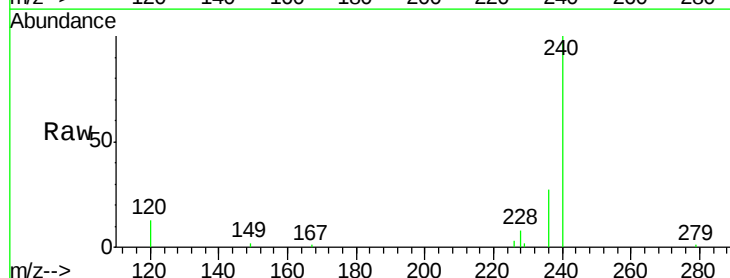
Tgt Ion:228 Resp: 698

Ion Ratio Lower Upper

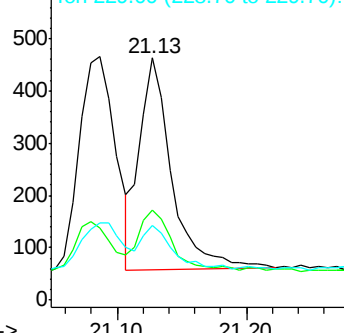
228 100

226 37.1 23.1 34.7#

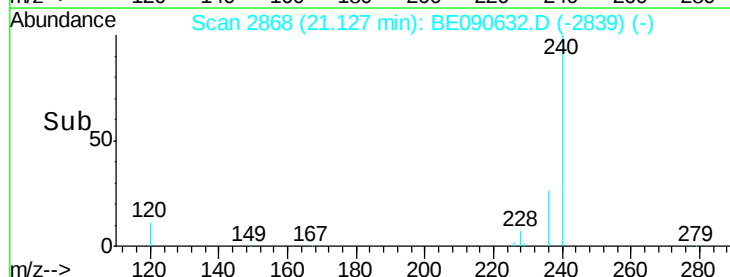
229 30.7 15.8 23.8#

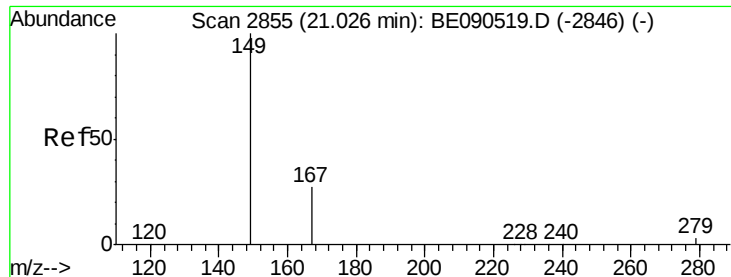


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.10 21.20





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.23 ng

RT: 21.02 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BE090632.D

Acq: 26 Aug 2015 2:22

Instrument :

BNA_E

ClientSampleId :

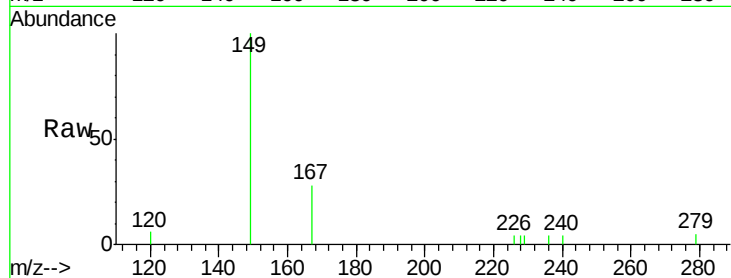
Tot Ion:149 Resp: 1694

Ion Ratio Lower Upper

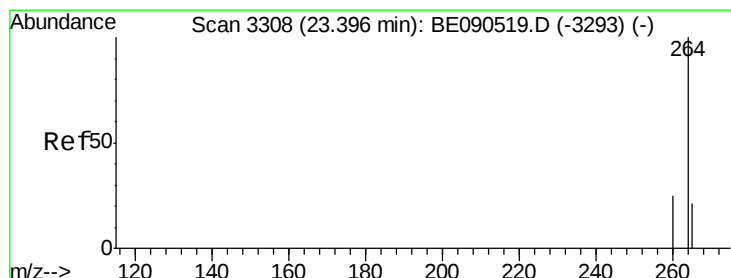
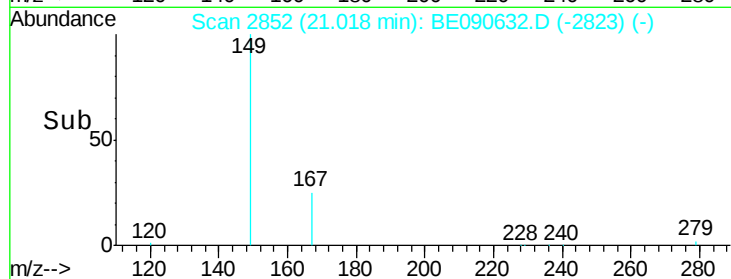
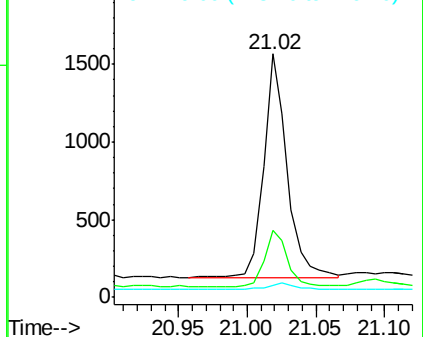
149 100

167 25.9 19.8 29.8

279 3.2 2.4 3.6



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. 0.00 min

Lab File: BE090632.D

Acq: 26 Aug 2015 2:22

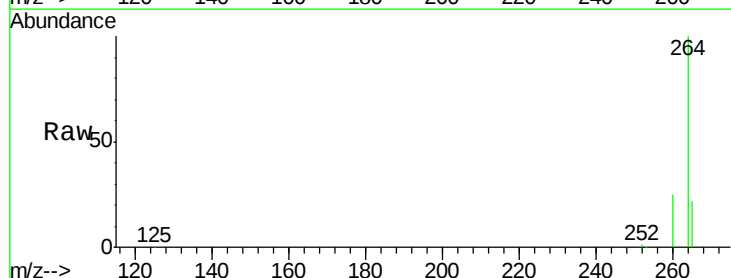
Tgt Ion:264 Resp: 98483

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

265 21.7 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

