

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051117\
 Data File : BE093006.D
 Acq On : 11 May 2017 21:13
 Operator : SJ/MA
 Sample : I3058-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 12 01:25:08 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	849	0.40	ng	-0.02
7) Naphthalene-d8	10.52	136	3526	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1673	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4555	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5494	0.40	ng	0.00
34) Perylene-d12	23.69	264	4689	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	408	0.18	ng	0.00
5) Phenol-d6	6.92	99	328	0.11	ng	-0.02
8) Nitrobenzene-d5	8.88	82	1201	0.44	ng	-0.02
11) 2-Methylnaphthalene-d10	12.11	152	1761	0.35	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	206	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	3544	0.53	ng	0.00
25) Fluoranthene-d10	19.14	212	4917	0.41	ng	-0.02
29) Terphenyl-d14	19.74	244	6537	0.67	ng	0.00

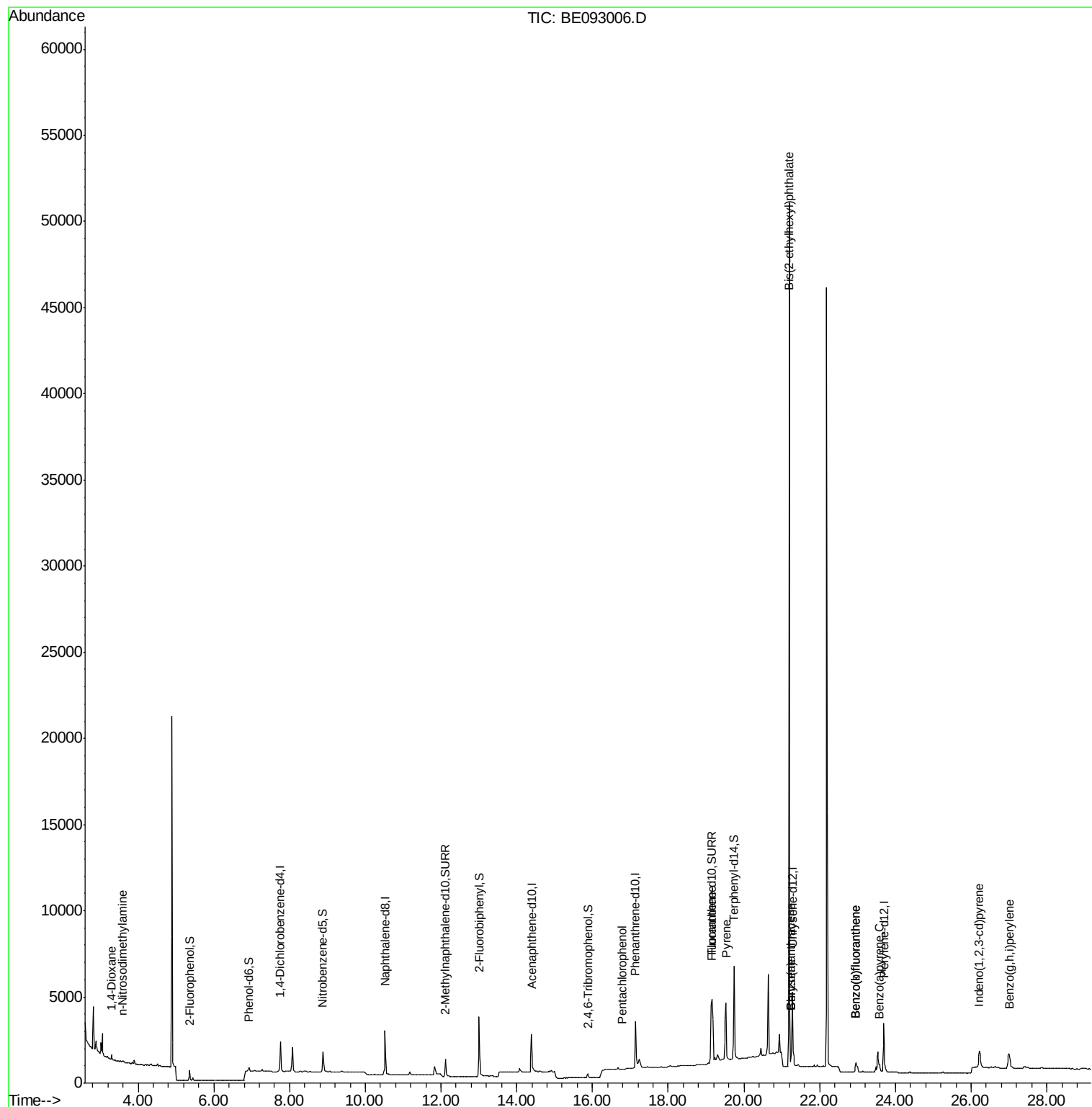
Target Compounds						Qvalue
2) 1,4-Dioxane	3.30	88	160	0.09	ng	# 29
3) n-Nitrosodimethylamine	3.59	42	44	0.03	ng	# 1
21) Hexachlorobenzene	16.38	284	9	Below Cal		# 100
22) Pentachlorophenol	16.79	266	9	0.09	ng	# 86
23) Phenanthrene	17.19	178	345	Below Cal		# 90
26) Fluoranthene	19.16	202	5226	0.09	ng	# 59
28) Pyrene	19.53	202	4728	0.07	ng	# 87
30) Benzo(a)anthracene	21.25	228	763	0.06	ng	# 60
31) Chrysene	21.25	228	763	0.05	ng	# 62
32) Bis(2-ethylhexyl)phthalate	21.20	149	45637	6.80	ng	98
33) Indeno(1,2,3-cd)pyrene	26.22	276	2274	0.04	ng	97
35) Benzo(b)fluoranthene	22.95	252	1436	0.09	ng	# 57
36) Benzo(k)fluoranthene	22.95	252	1431	0.09	ng	# 60
37) Benzo(a)pyrene	23.58	252	653	0.05	ng	# 53
39) Benzo(a,h,i)perylene	27.00	276	2171	0.04	ng	# 60

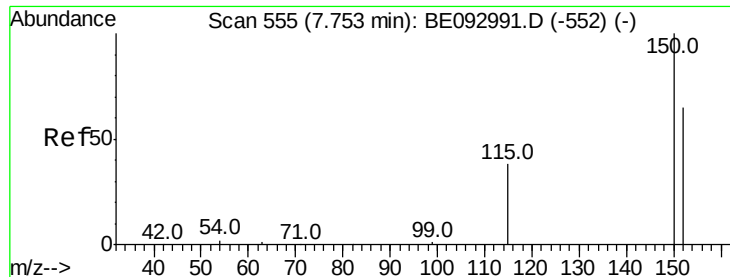
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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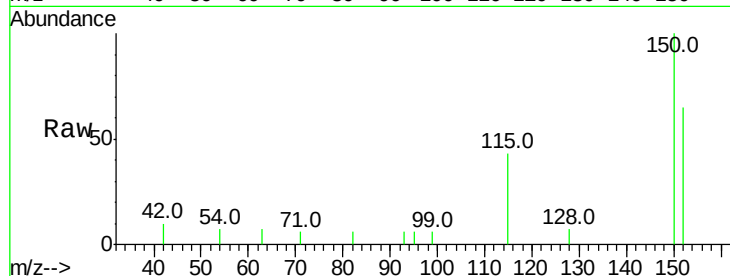


#1

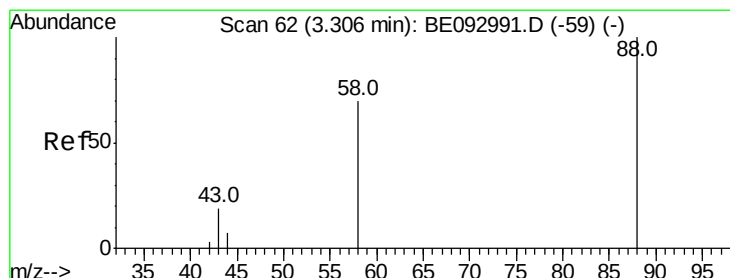
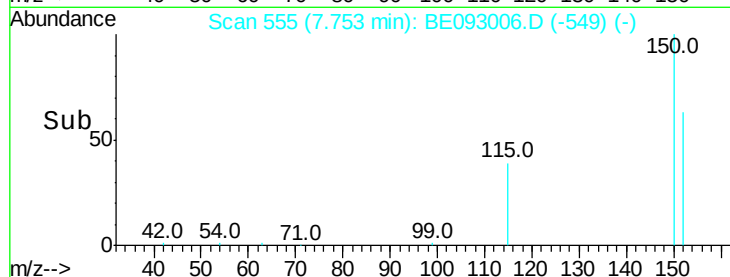
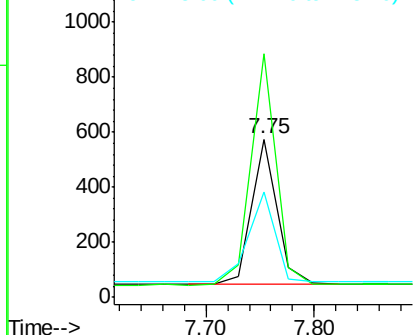
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. -0.02 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 849
Ion Ratio Lower Upper
152 100
150 154.2 125.1 187.7
115 66.6 55.7 83.5



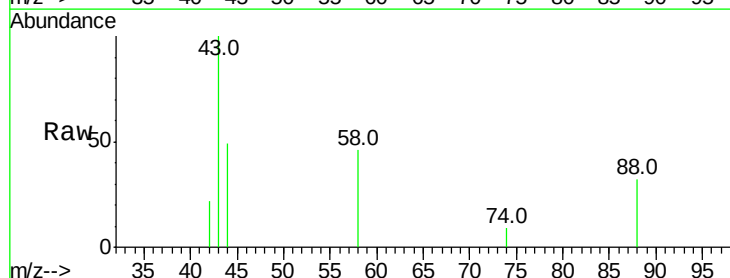
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



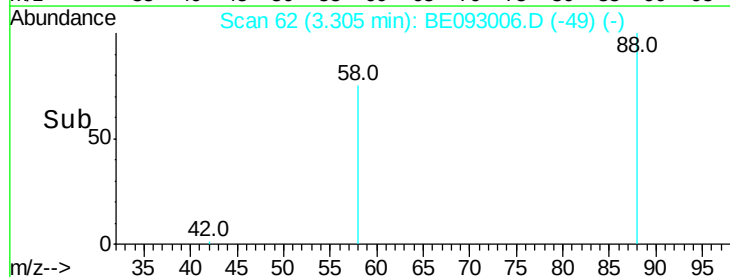
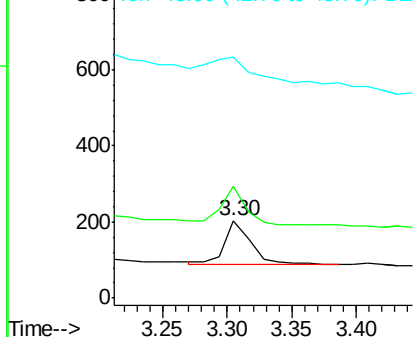
#2

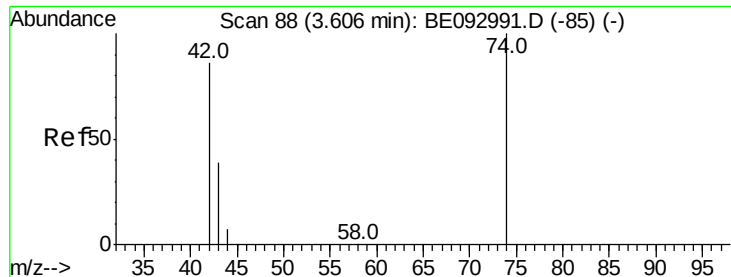
1,4-Dioxane
Concen: 0.09 ng
RT: 3.30 min Scan# 62
Delta R.T. -0.00 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

Tgt Ion: 88 Resp: 160
Ion Ratio Lower Upper
88 100
58 92.5 62.2 93.4
43 143.8 23.2 34.8#



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: 0.03 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE093006.D

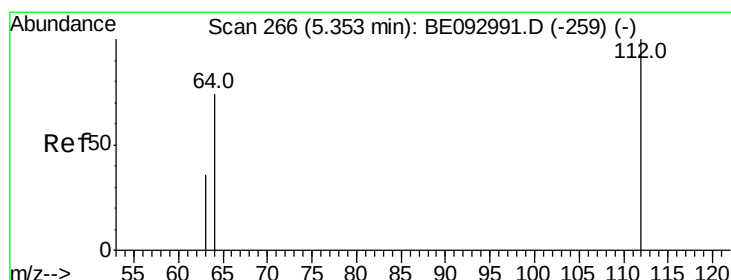
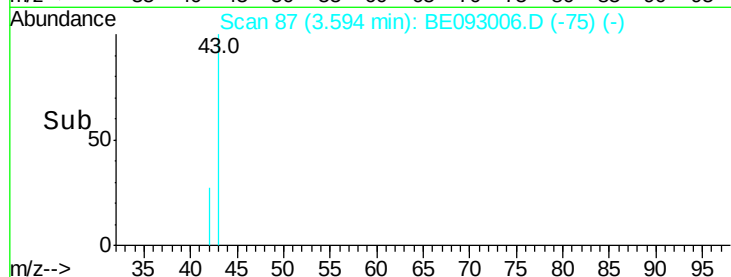
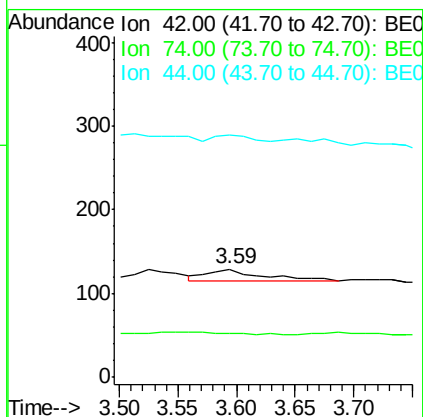
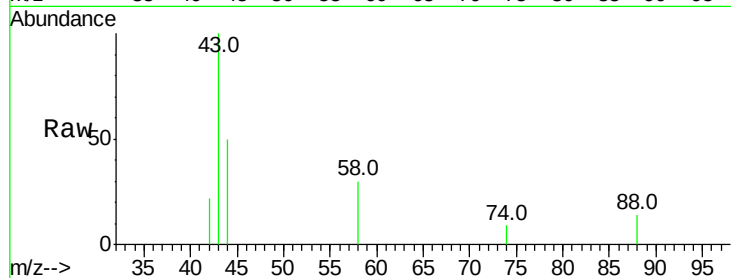
Acq: 11 May 2017 21:13

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	42	Resp:	44
Ion	Ratio	Lower	Upper
42	100		
74	0.0	99.1	148.7#
44	38.6	7.4	11.2#



#4

2-Fluorophenol

Concen: 0.18 ng

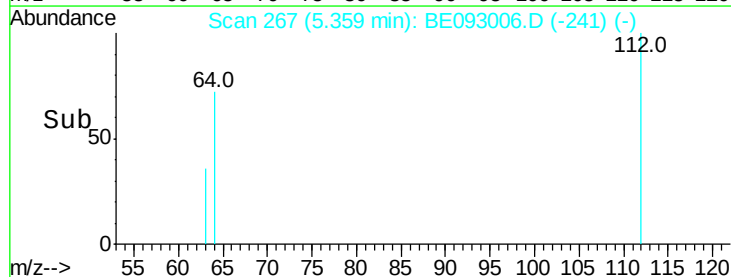
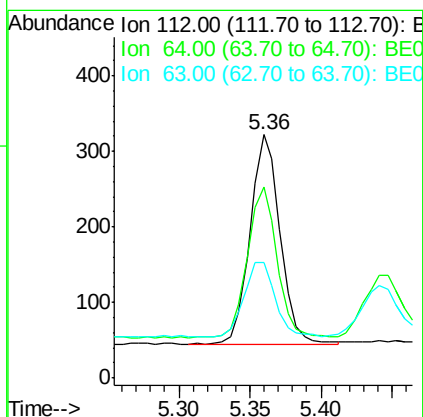
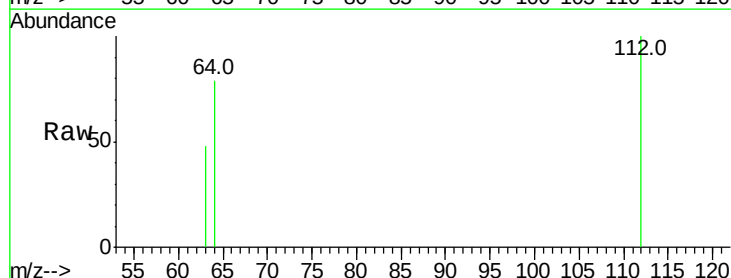
RT: 5.36 min Scan# 267

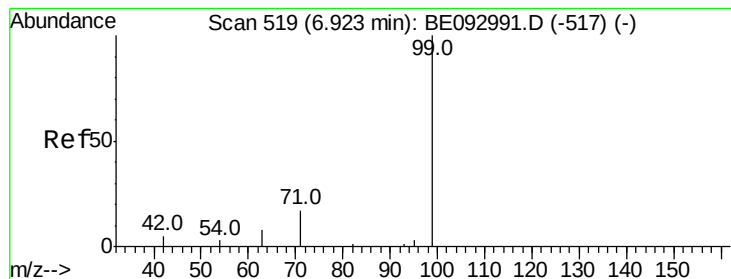
Delta R.T. 0.00 min

Lab File: BE093006.D

Acq: 11 May 2017 21:13

Tgt Ion:	112	Resp:	408
Ion	Ratio	Lower	Upper
112	100		
64	71.8	56.4	84.6
63	36.0	29.3	43.9





#5

Phenol-d6

Concen: 0.11 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093006.D

Acq: 11 May 2017 21:13

Instrument :

BNA_E

ClientSampled :

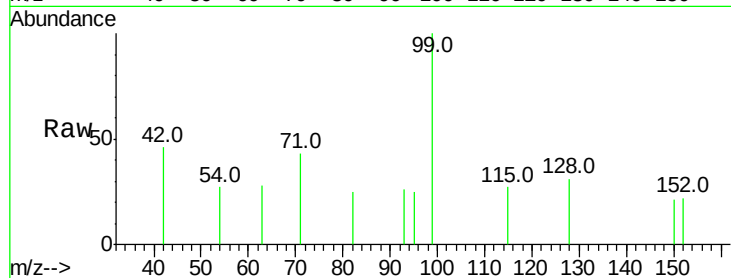
Tot Ion: 99 Resp: 328

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

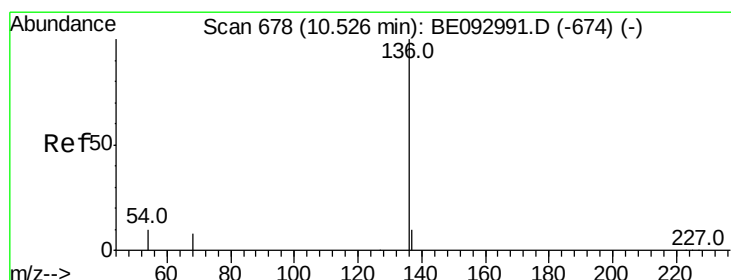
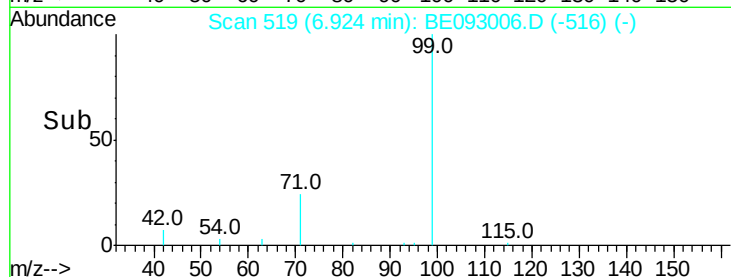
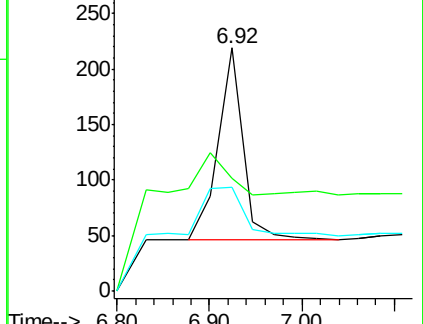
71 40.9 0.0 0.0#



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



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093006.D

Acq: 11 May 2017 21:13

Tgt Ion: 136 Resp: 3526

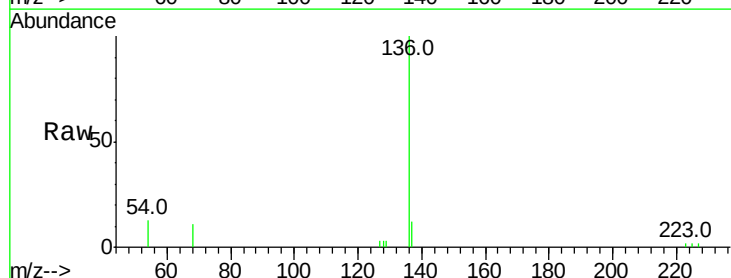
Ion Ratio Lower Upper

136 100

137 12.1 9.8 14.8

54 13.2 10.3 15.5

68 11.5 9.0 13.4

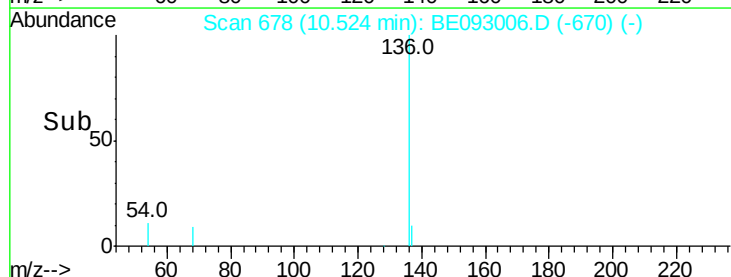
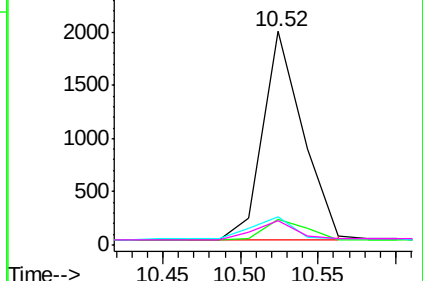


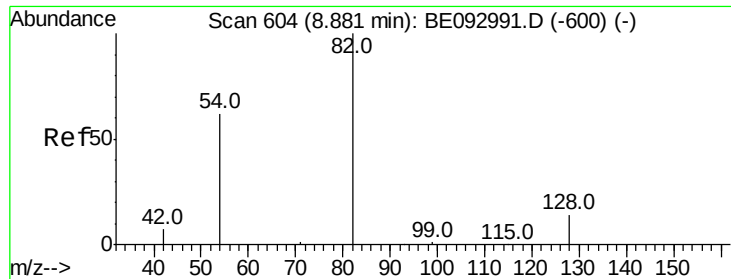
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.44 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093006.D

Acq: 11 May 2017 21:13

Instrument :

BNA_E

ClientSampleId :

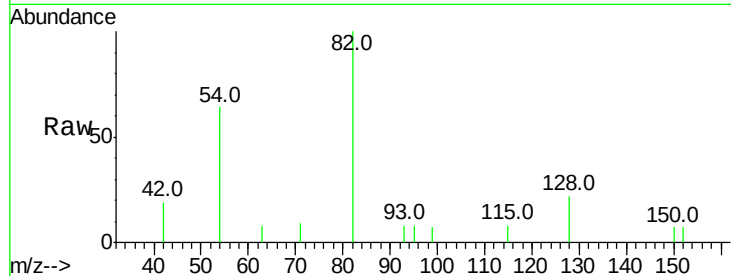
Tot Ion: 82 Resp: 1201

Ion Ratio Lower Upper

82 100

128 21.9 17.0 25.4

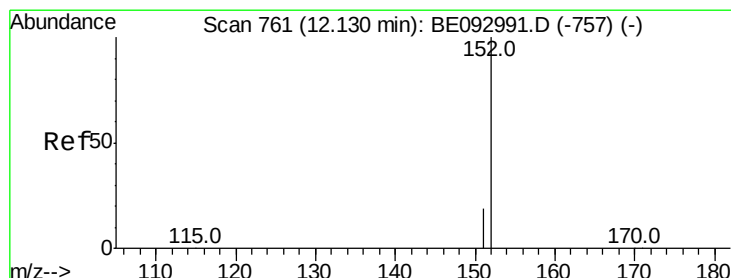
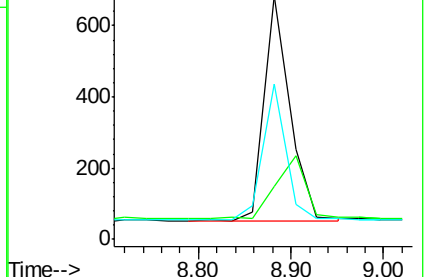
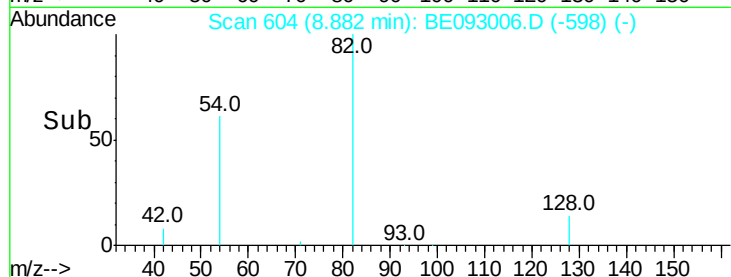
54 63.9 53.8 80.6



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



#11

2-Methylnaphthalene-d10

Concen: 0.35 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093006.D

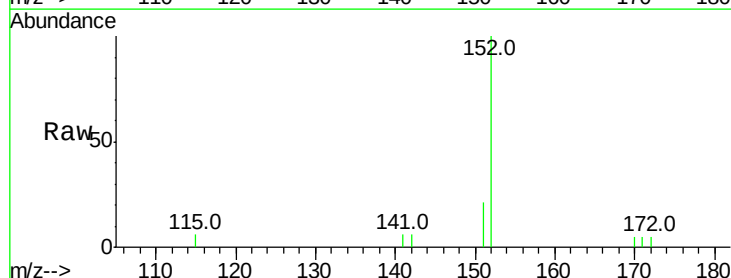
Acq: 11 May 2017 21:13

Tgt Ion: 152 Resp: 1761

Ion Ratio Lower Upper

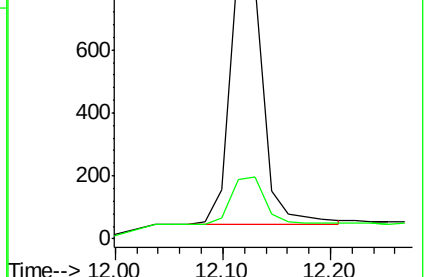
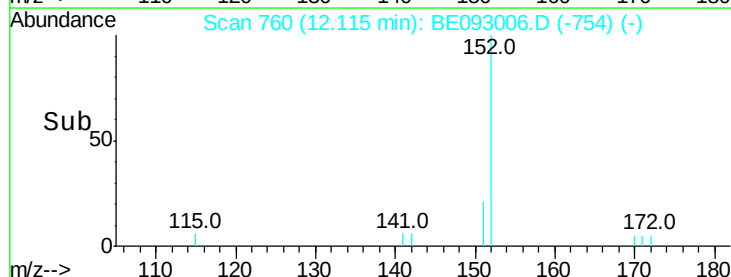
152 100

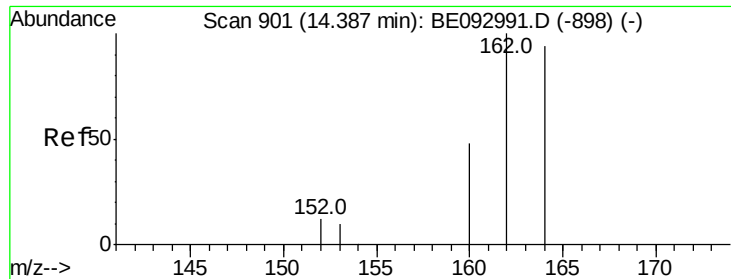
151 18.6 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0

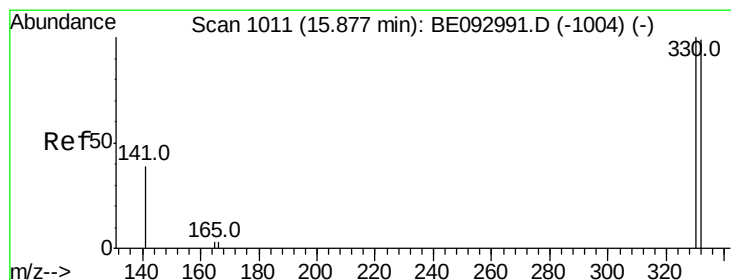
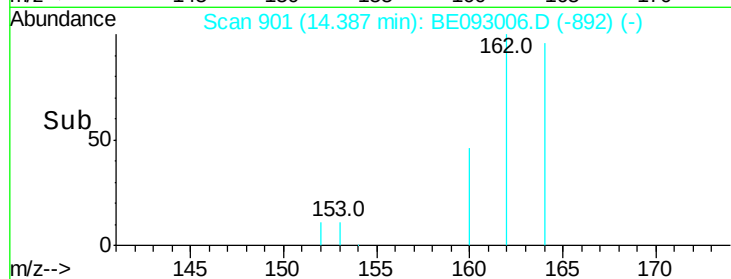
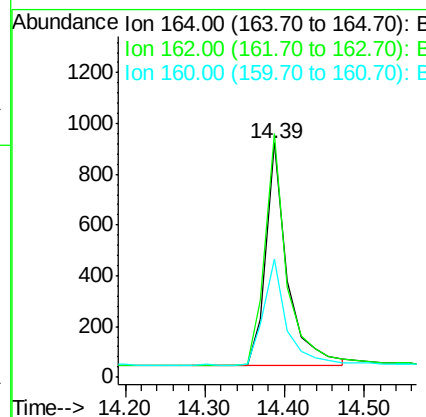
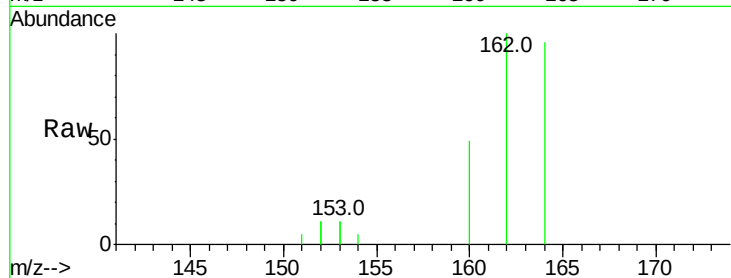




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

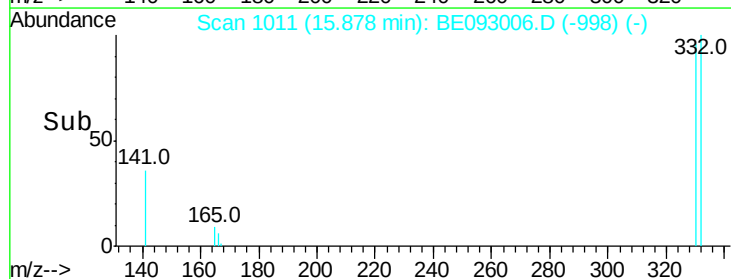
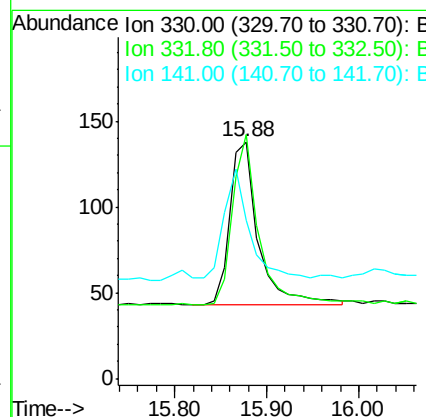
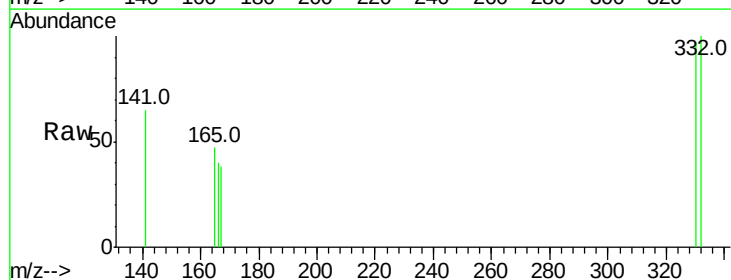
Instrument :
BNA_E
ClientSampleId :

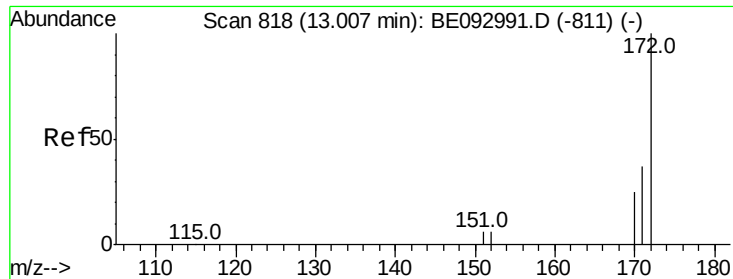
Tot Ion:164 Resp: 1673
Ion Ratio Lower Upper
164 100
162 103.8 84.6 127.0
160 50.4 41.8 62.6



#14
2,4,6-Tribromophenol
Concen: 0.45 ng
RT: 15.88 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

Tgt Ion:330 Resp: 206
Ion Ratio Lower Upper
330 100
332 95.6 77.7 116.5
141 57.8 56.2 84.4

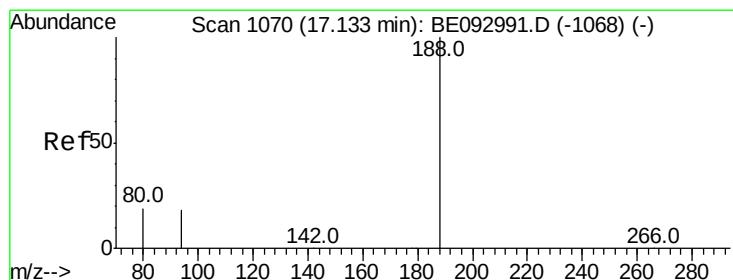
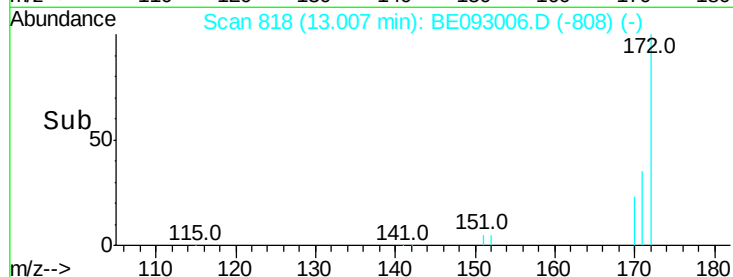
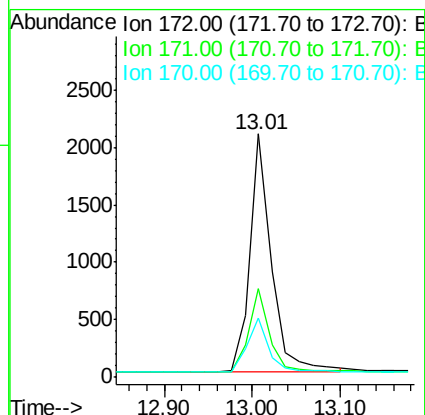
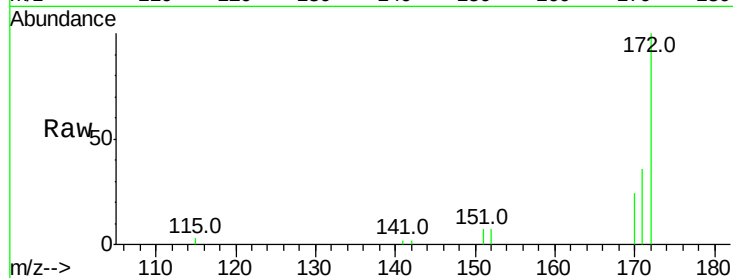




#15
2-Fluorobiphenyl
Concen: 0.53 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

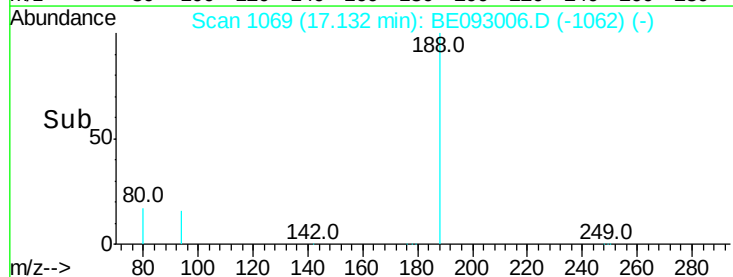
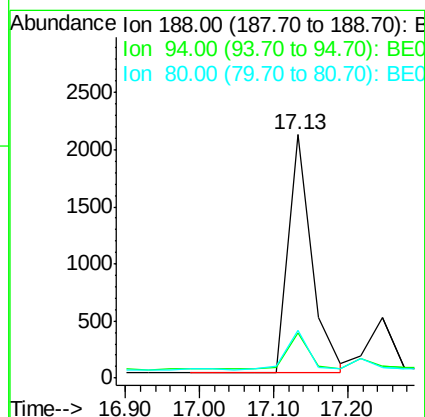
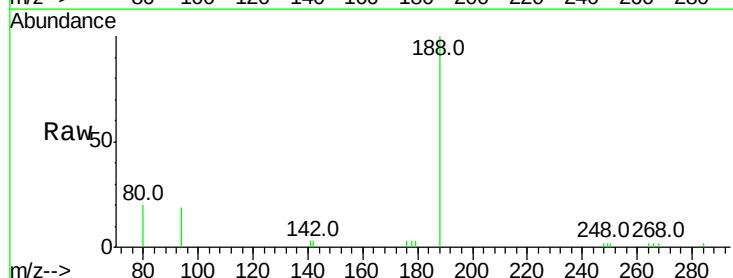
Instrument :
BNA_E
ClientSampleId :

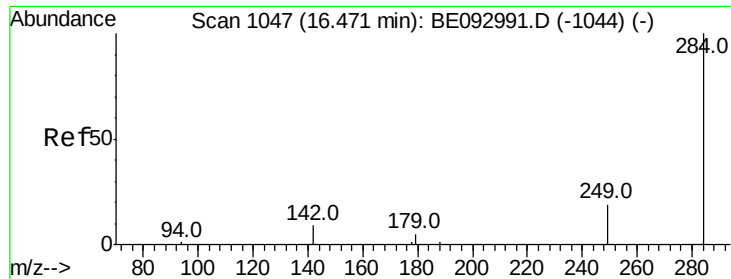
Tot Ion:172 Resp: 3544
Ion Ratio Lower Upper
172 100
171 36.2 29.8 44.6
170 24.3 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1069
Delta R.T. -0.00 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

Tgt Ion:188 Resp: 4555
Ion Ratio Lower Upper
188 100
94 18.7 11.3 16.9#
80 19.7 11.7 17.5#





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.38 min Scan# 1043

Delta R.T. -0.08 min

Lab File: BE093006.D

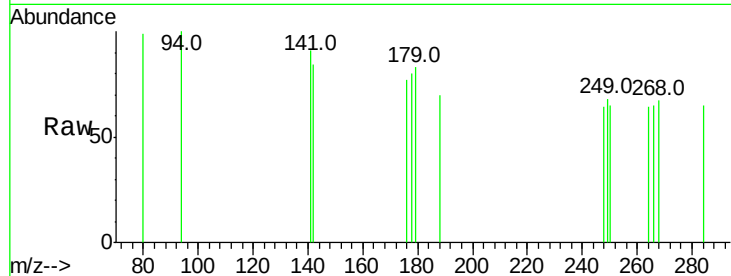
Acq: 11 May 2017 21:13

Instrument :

BNA_E

ClientSampled :

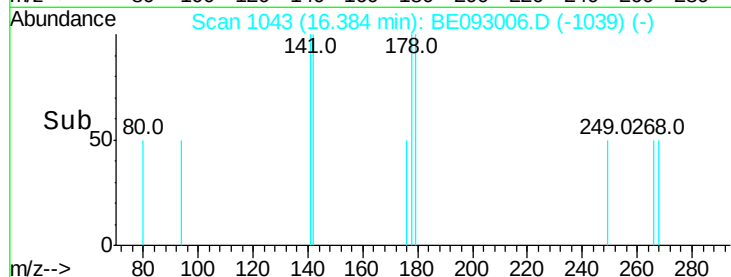
Tot Ion:	284	Resp:	9
Ion	Ratio	Lower	Upper
284	100		
142	244.4	0.0	0.0#
249	0.0	0.0	0.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

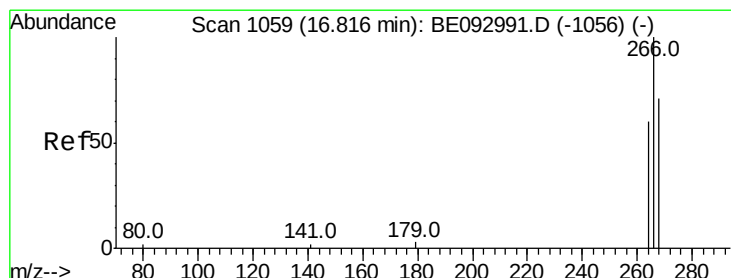
Ion 249.00 (248.70 to 249.70): E



Abundance

16.38

Time-->



#22

Pentachlorophenol

Concen: 0.09 ng

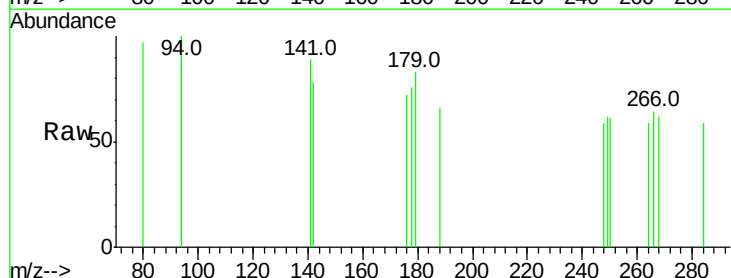
RT: 16.79 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BE093006.D

Acq: 11 May 2017 21:13

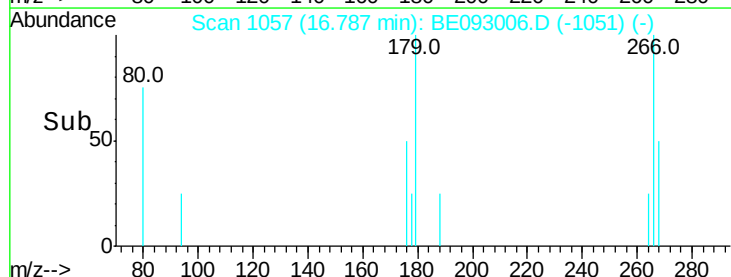
Tgt Ion:	266	Resp:	9
Ion	Ratio	Lower	Upper
266	100		
264	91.8	58.2	87.2#
268	95.9	71.9	107.9



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

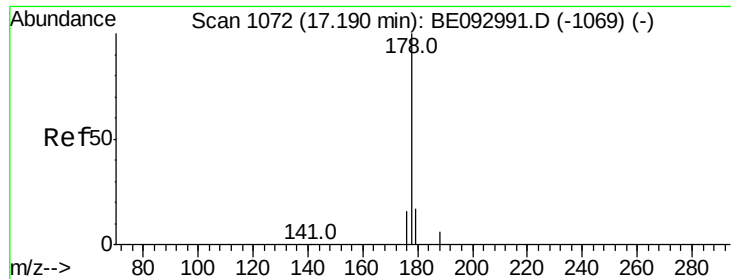
Ion 268.00 (267.70 to 268.70): E



Abundance

16.79

Time-->



#23

Phenanthrene

Concen: Below Cal

RT: 17.19 min Scan# 1071

Delta R.T. 0.01 min

Lab File: BE093006.D

Acq: 11 May 2017 21:13

Instrument :

BNA_E

ClientSampleId :

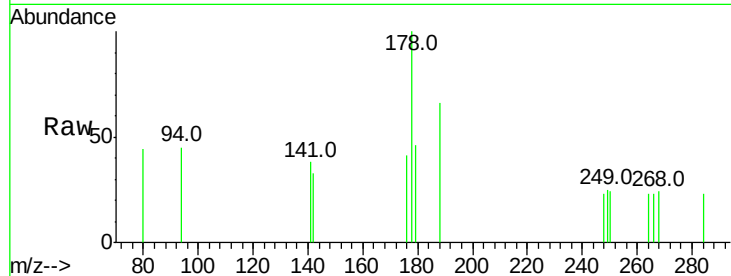
Tot Ion:178 Resp: 345

Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.4

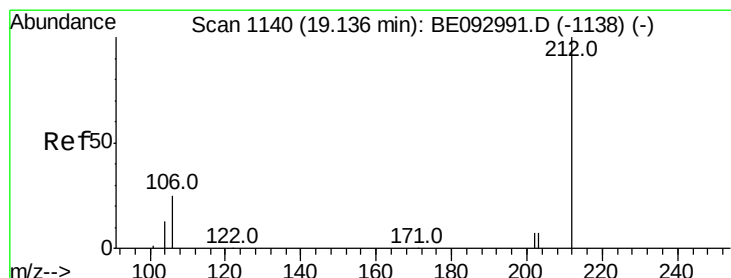
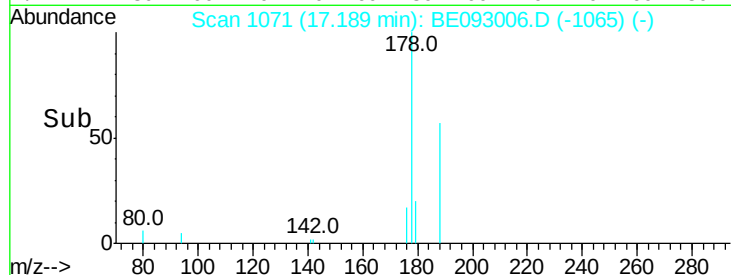
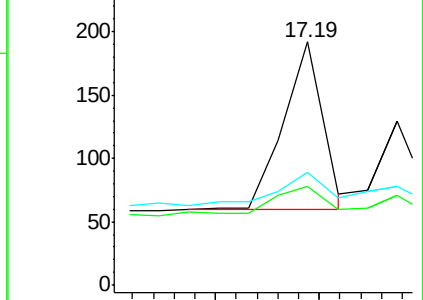
179 24.6 12.7 19.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.41 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE093006.D

Acq: 11 May 2017 21:13

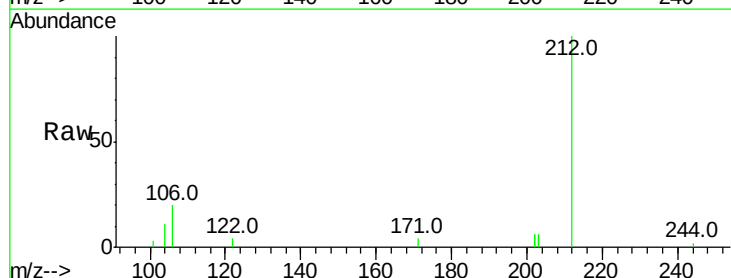
Tgt Ion:212 Resp: 4917

Ion Ratio Lower Upper

212 100

106 17.2 0.0 0.0#

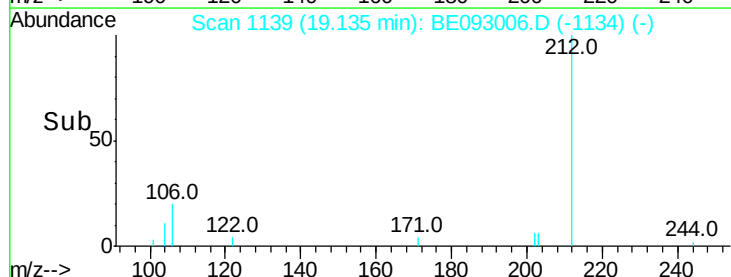
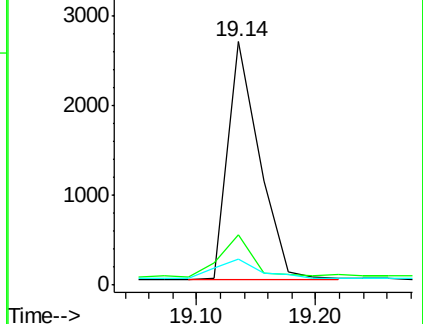
104 11.2 0.0 0.0#

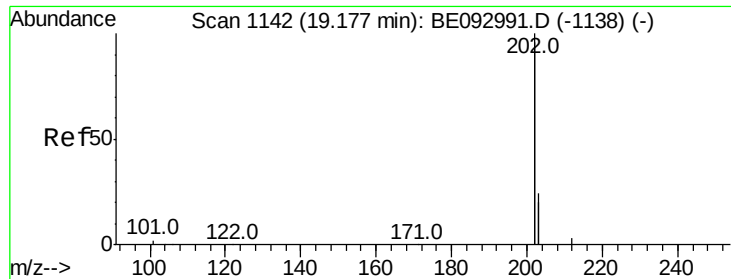


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

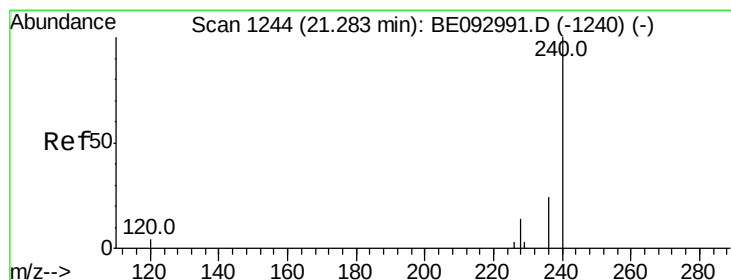
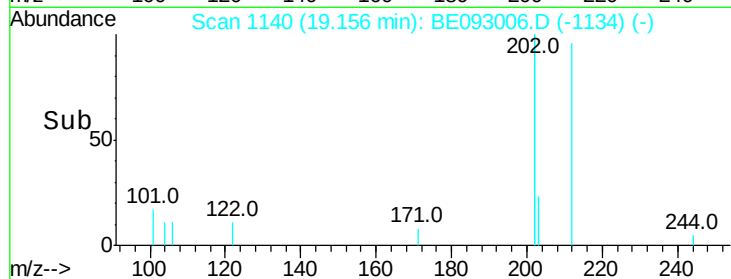
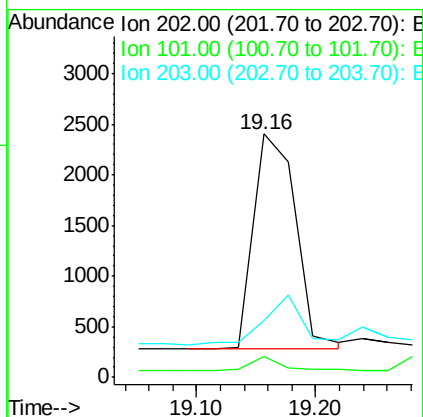
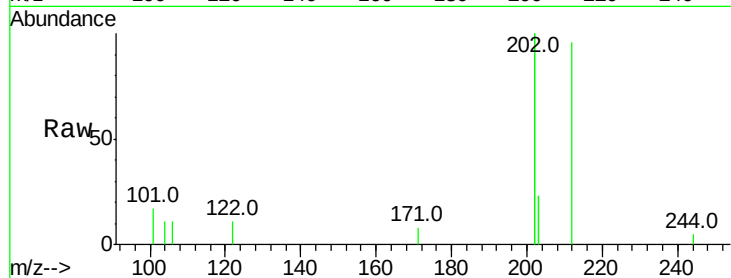




#26
 Fluoranthene
 Concen: 0.09 ng
 RT: 19.16 min Scan# 1140
 Delta R.T. -0.02 min
 Lab File: BE093006.D
 Acq: 11 May 2017 21:13

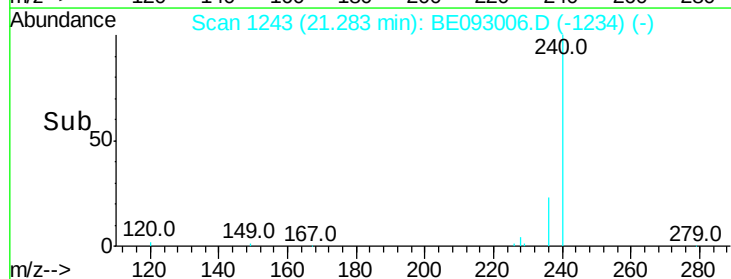
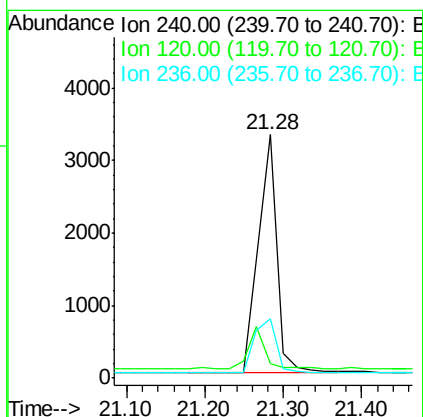
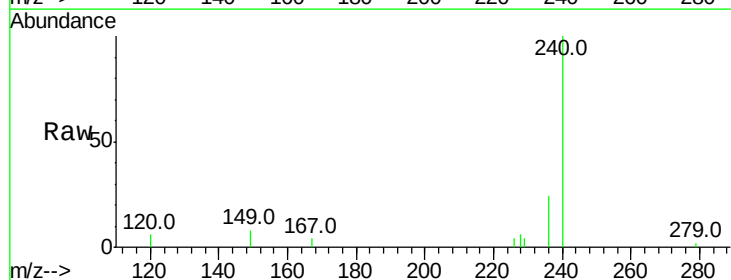
Instrument :
 BNA_E
 ClientSampleId :

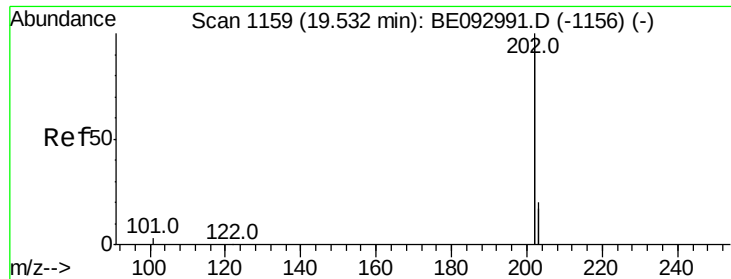
Tot Ion:202 Resp: 5226
 Ion Ratio Lower Upper
 202 100
 101 5.5 0.0 0.0#
 203 0.0 14.4 21.6#



#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.28 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BE093006.D
 Acq: 11 May 2017 21:13

Tgt Ion:240 Resp: 5494
 Ion Ratio Lower Upper
 240 100
 120 6.1 4.6 7.0
 236 24.3 20.8 31.2

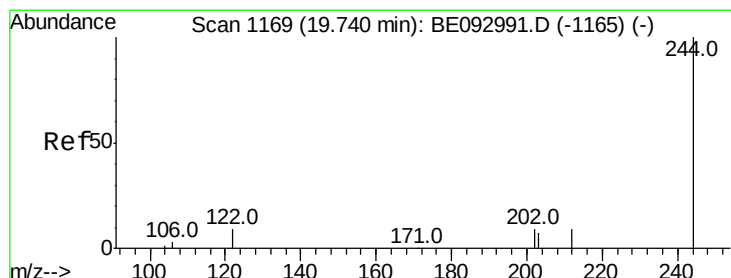
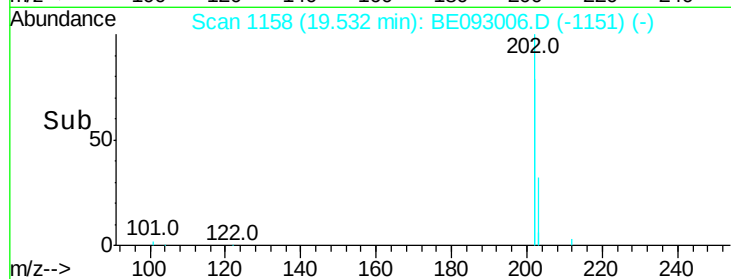
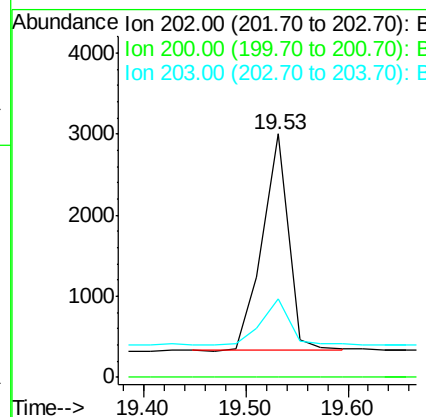
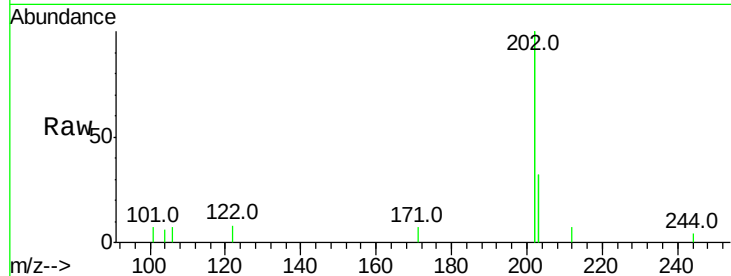




#28
Pvrene
Concen: 0.07 ng
RT: 19.53 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

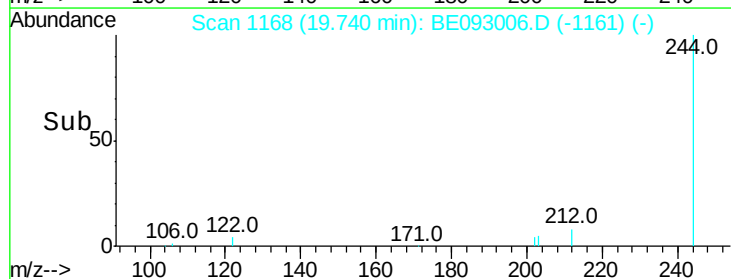
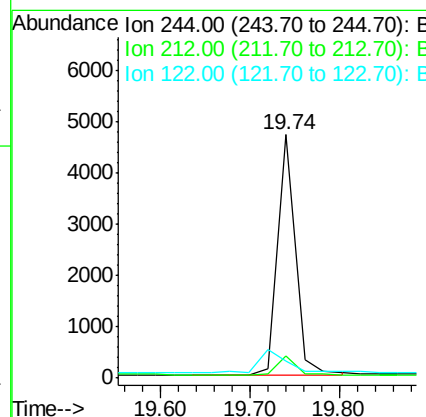
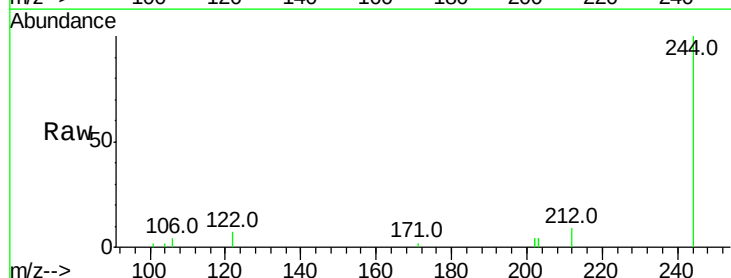
Instrument :
BNA_E
ClientSampleId :

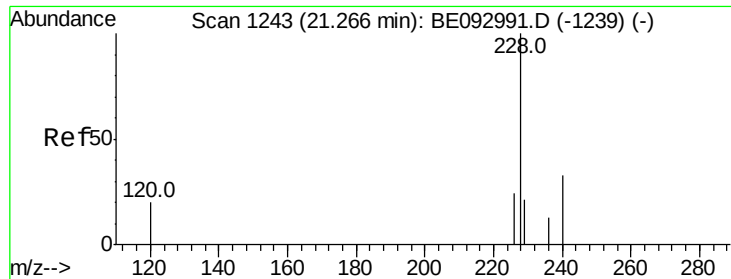
Tot Ion:202 Resp: 4728
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 22.8 13.7 20.5#



#29
Terphenyl-d14
Concen: 0.67 ng
RT: 19.74 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

Tgt Ion:244 Resp: 6537
Ion Ratio Lower Upper
244 100
212 9.3 10.6 16.0#
122 6.9 15.4 23.0#

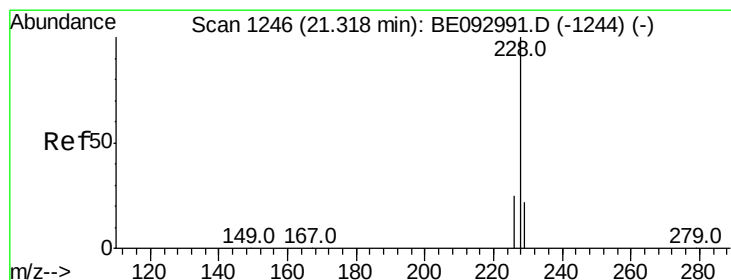
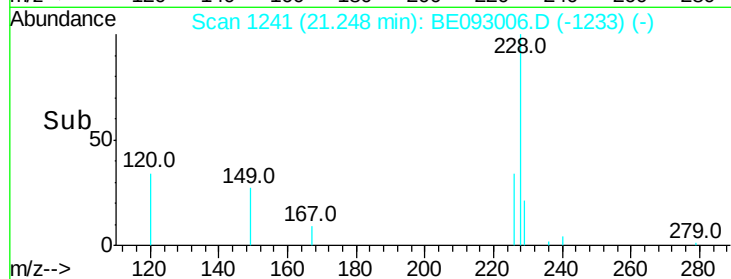
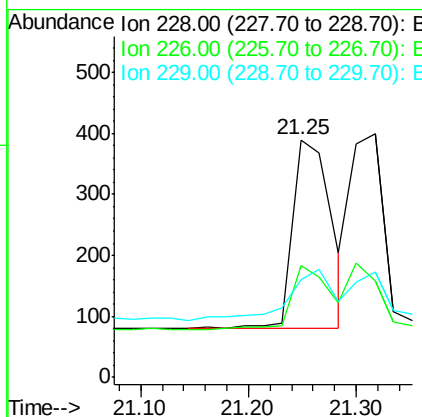
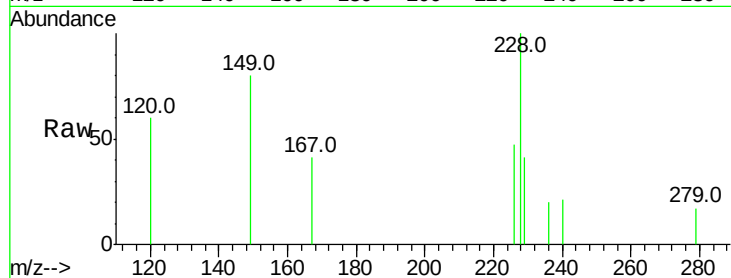




#30
Benzo(a)anthracene
Concen: 0.06 ng
RT: 21.25 min Scan# 1241
Delta R.T. -0.02 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

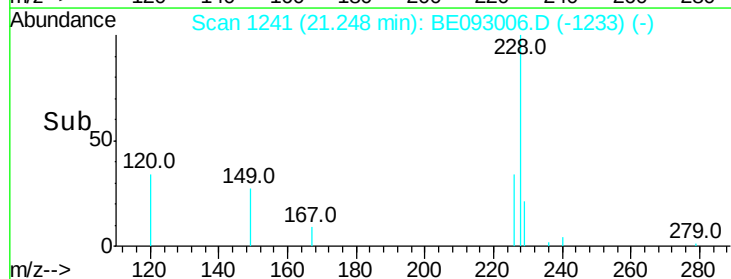
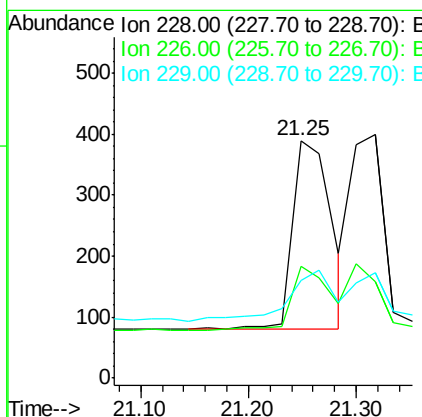
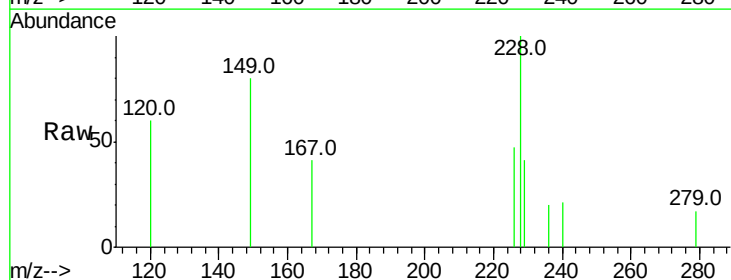
Instrument :
BNA_E
ClientSampled :

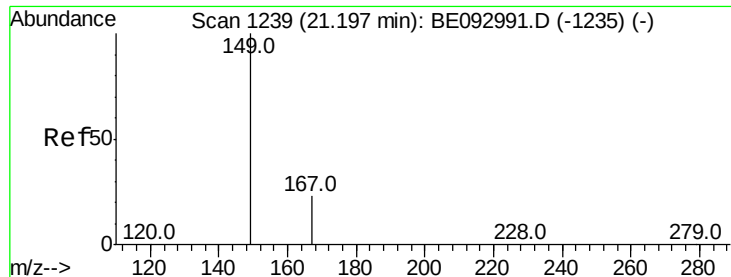
Tot Ion:228 Resp: 763
Ion Ratio Lower Upper
228 100
226 47.2 19.7 29.5#
229 41.3 19.2 28.8#



#31
Chrysene
Concen: 0.05 ng
RT: 21.25 min Scan# 1241
Delta R.T. -0.07 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

Tgt Ion:228 Resp: 763
Ion Ratio Lower Upper
228 100
226 47.2 21.5 32.3#
229 41.3 18.6 28.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 6.80 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093006.D

Acq: 11 May 2017 21:13

Instrument :

BNA_E

ClientSampleId :

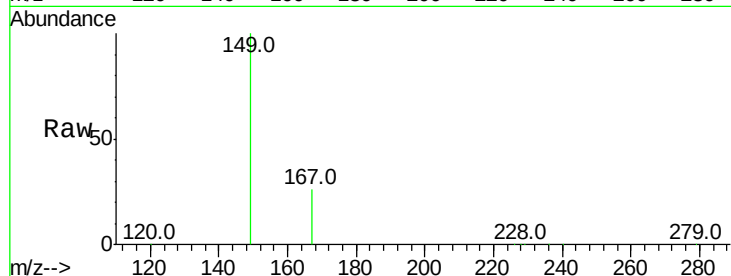
Tot Ion:149 Resp: 45637

Ion Ratio Lower Upper

149 100

167 26.3 20.1 30.1

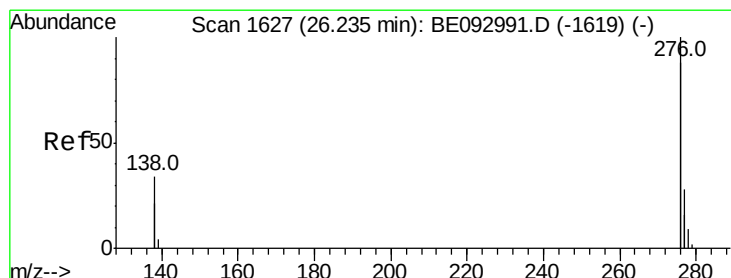
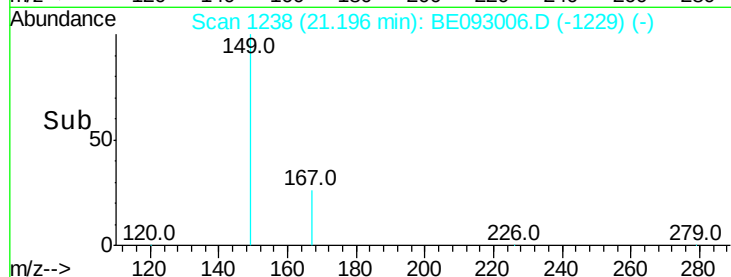
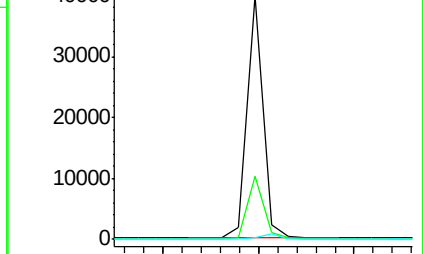
279 2.4 2.2 3.4



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng

RT: 26.22 min Scan# 1625

Delta R.T. -0.02 min

Lab File: BE093006.D

Acq: 11 May 2017 21:13

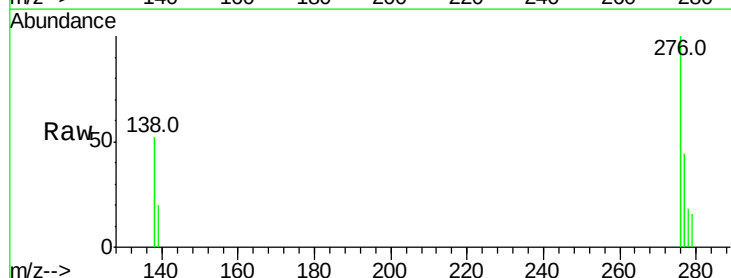
Tgt Ion:276 Resp: 2274

Ion Ratio Lower Upper

276 100

138 33.8 27.4 41.2

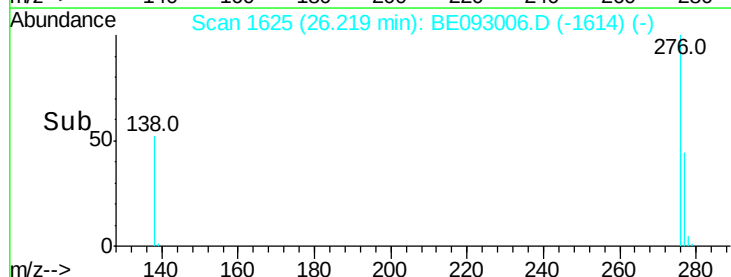
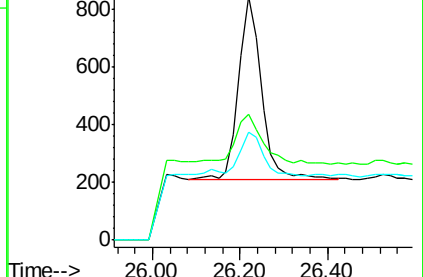
277 22.7 20.1 30.1

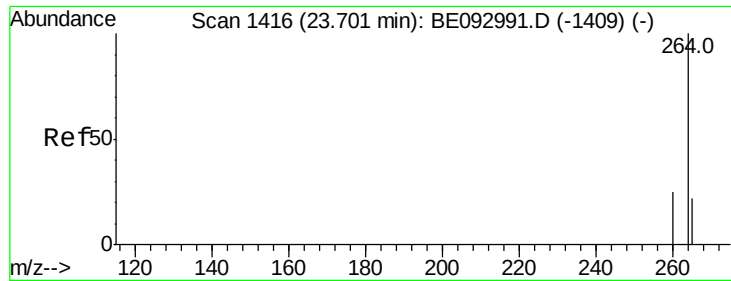


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



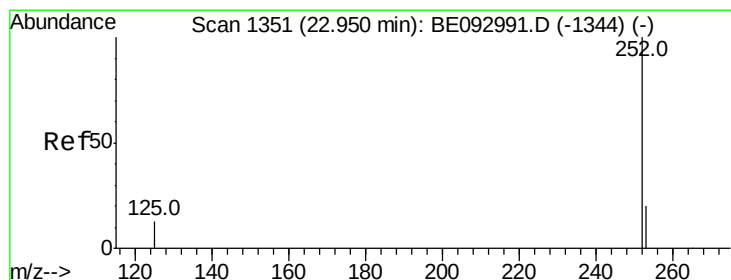
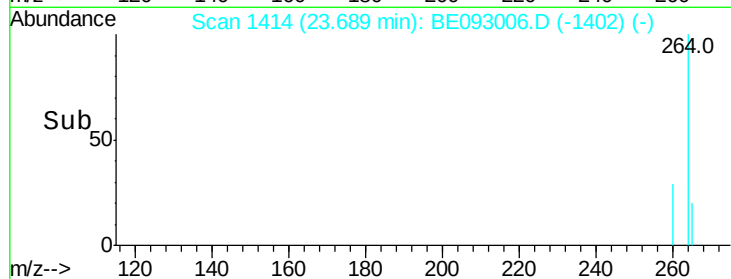
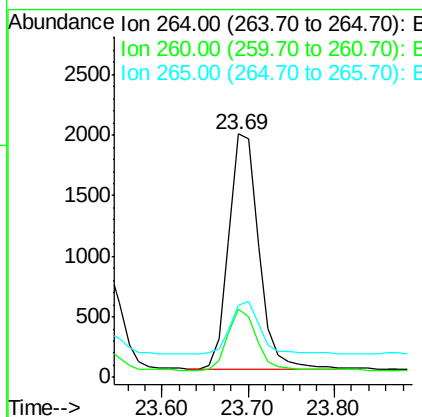
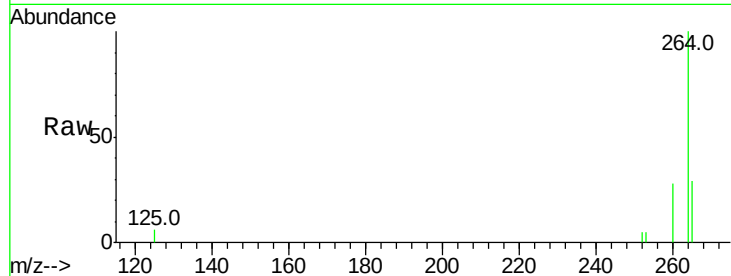


#34
Pervlene-d12
Concen: 0.40 ng
RT: 23.69 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

Instrument :
BNA_E
ClientSampled :

Tot Ion:264 Resp: 4689

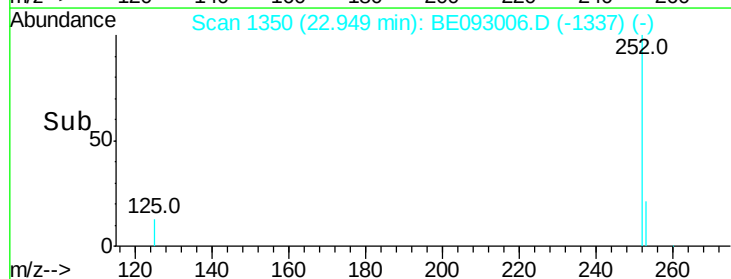
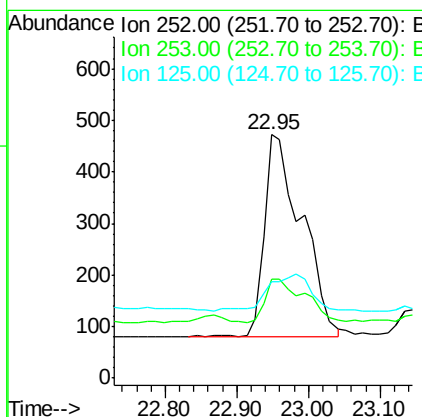
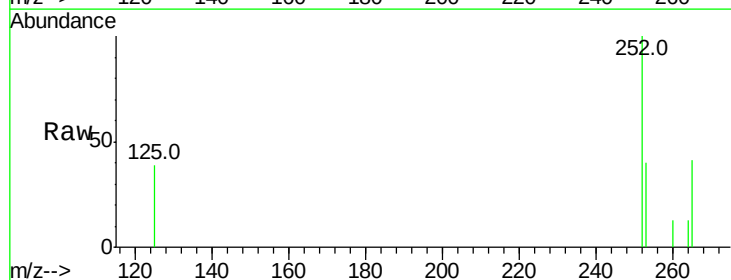
Ion	Ratio	Lower	Upper
264	100		
260	28.1	21.0	31.4
265	29.5	24.6	36.8

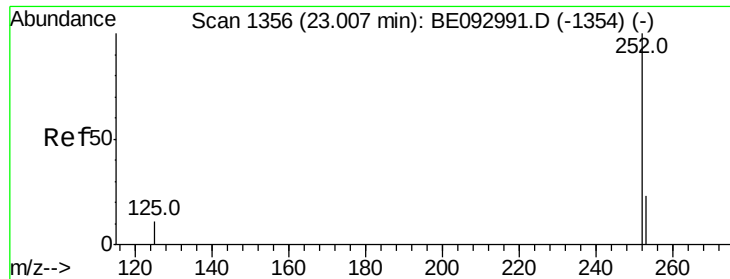


#35
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 22.95 min Scan# 1350
Delta R.T. -0.00 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

Tgt Ion:252 Resp: 1436

Ion	Ratio	Lower	Upper
252	100		
253	40.5	18.5	27.7#
125	39.4	13.4	20.0#

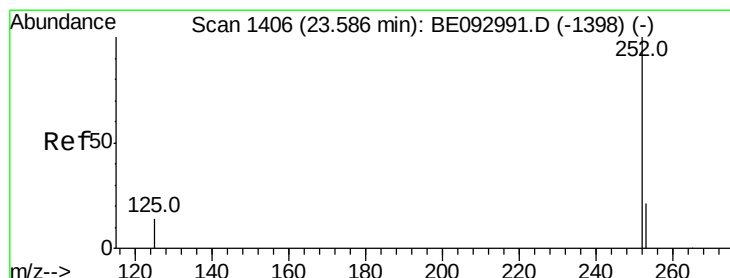
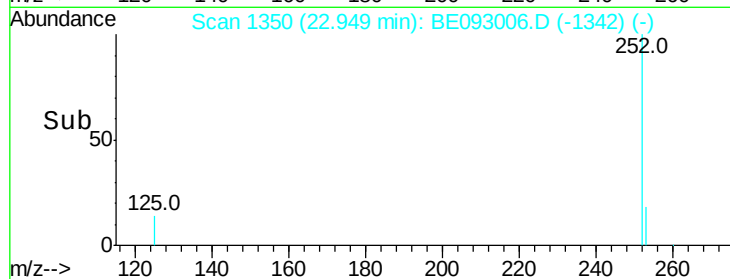
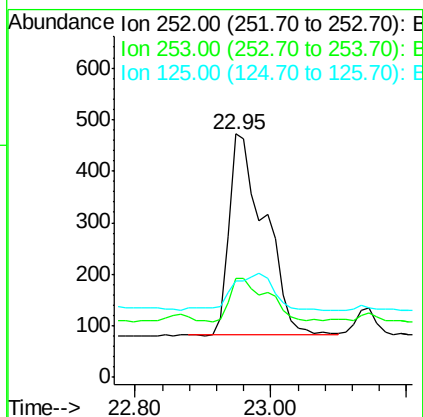
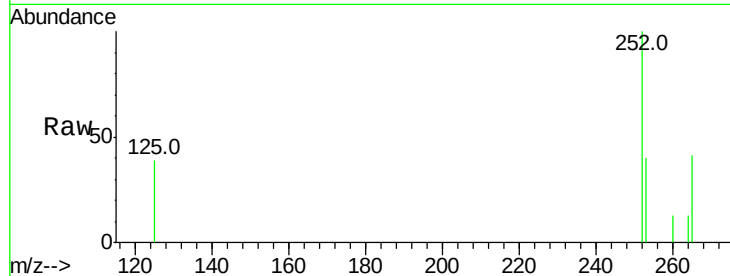




#36
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.95 min Scan# 1350
Delta R.T. -0.06 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

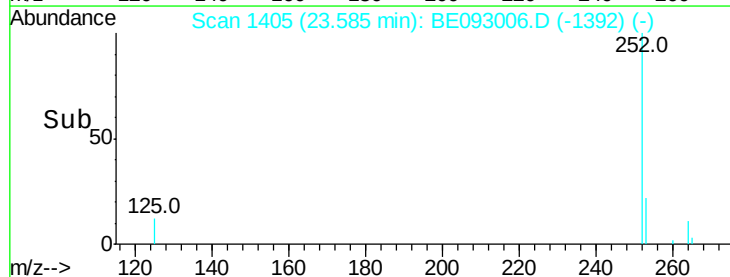
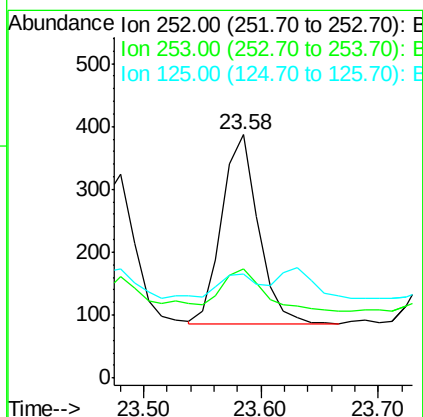
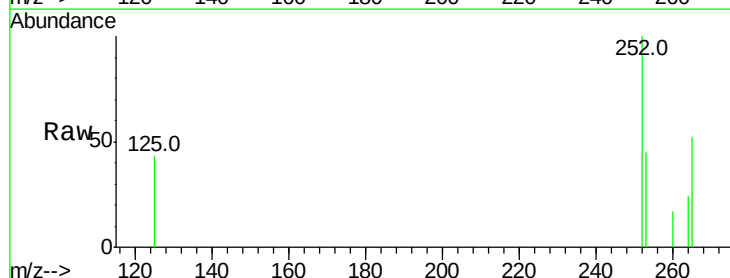
Instrument :
BNA_E
ClientSampleId :

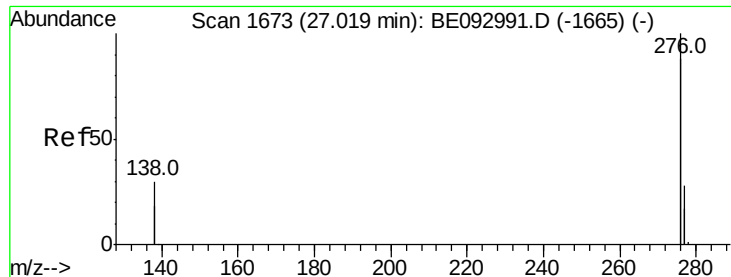
Tot Ion:252 Resp: 1431
Ion Ratio Lower Upper
252 100
253 40.5 20.3 30.5#
125 39.4 12.2 18.4#



#37
Benzo(a)pyrene
Concen: 0.05 ng
RT: 23.58 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BE093006.D
Acq: 11 May 2017 21:13

Tgt Ion:252 Resp: 653
Ion Ratio Lower Upper
252 100
253 45.0 19.9 29.9#
125 42.9 14.6 21.8#





#39

Benzo(a,h,i)perylene

Concen: 0.04 ng

RT: 27.00 min Scan# 1671

Delta R.T. 0.00 min

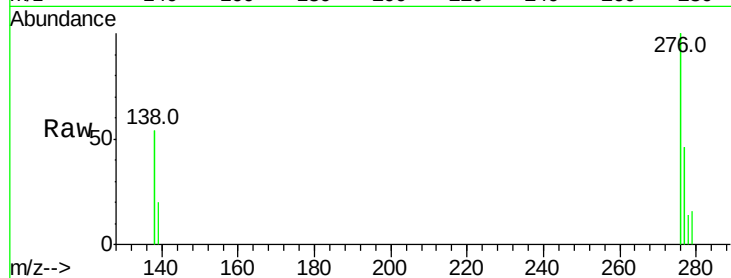
Lab File: BE093006.D

Acq: 11 May 2017 21:13

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 2171

Ion Ratio Lower Upper

276 100

277 45.7 21.2 31.8#

138 54.0 24.5 36.7#

