

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051019\
 Data File : BE099600.D
 Acq On : 10 May 2019 15:55
 Operator : JU/SJ
 Sample : PB119621BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 11 01:01:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 09 13:32:58 2019
 Response via : Initial Calibration

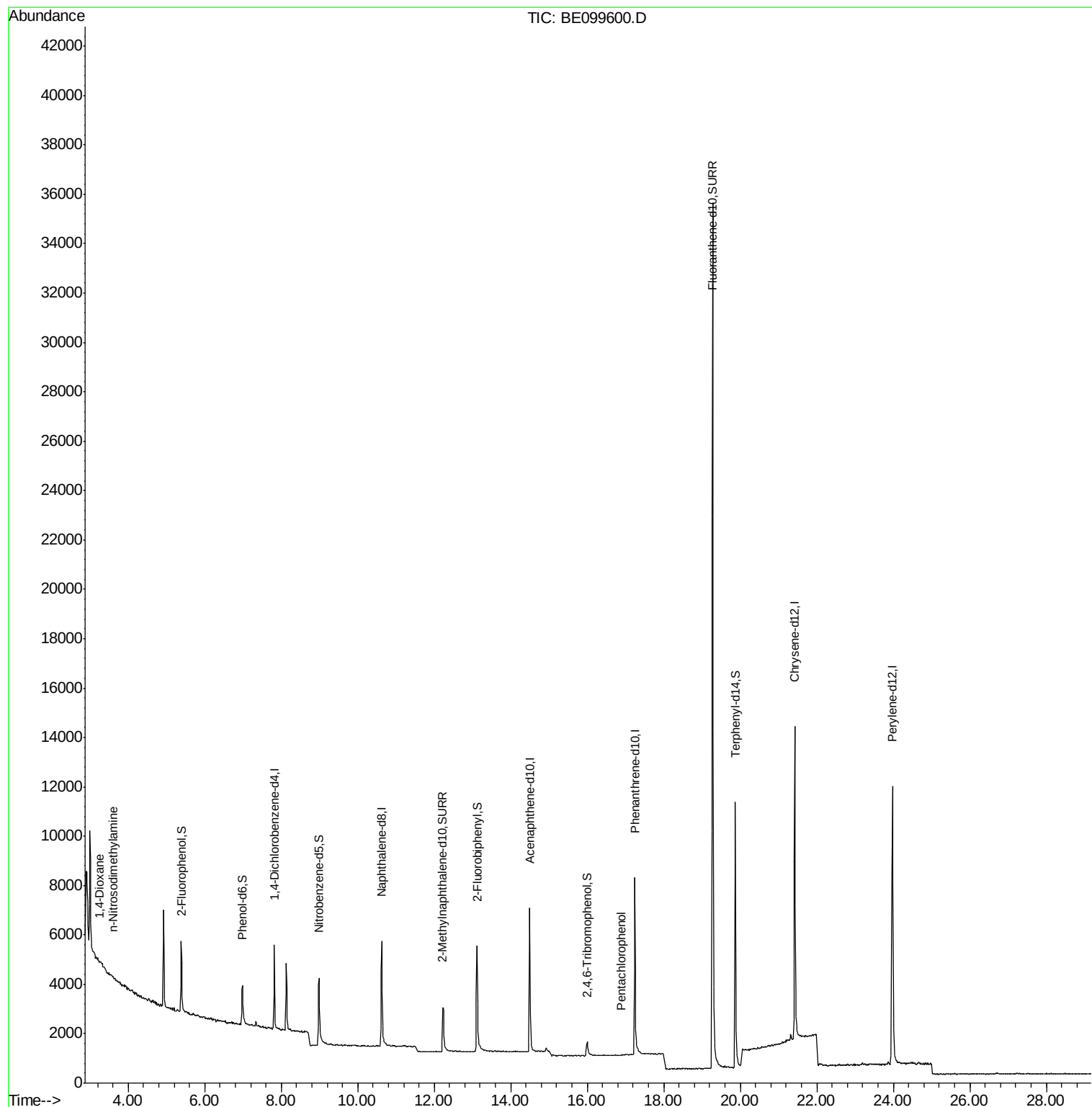
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1875	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	6554	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4449	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	13002	0.40	ng	0.00
27) Chrysene-d12	21.43	240	15934	0.40	ng	0.00
34) Perylene-d12	23.97	264	19180	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	1792	0.35	ng	0.00
5) Phenol-d6	6.99	99	2380	0.35	ng	0.00
8) Nitrobenzene-d5	8.99	82	1690	0.27	ng	0.01
11) 2-Methylnaphthalene-d10	12.22	152	3731	0.34	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	642	0.24	ng	0.01
15) 2-Fluorobiphenyl	13.12	172	5724	0.33	ng	0.00
25) Fluoranthene-d10	19.28	212	58312	0.34	ng	0.00
29) Terphenyl-d14	19.87	244	11917	0.42	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.25	88	115	0.044	ng	# 34
3) n-Nitrosodimethylamine	3.60	42	59	0.036	ng	# 1
22) Pentachlorophenol	16.89	266	6	0.251	ng	# 67

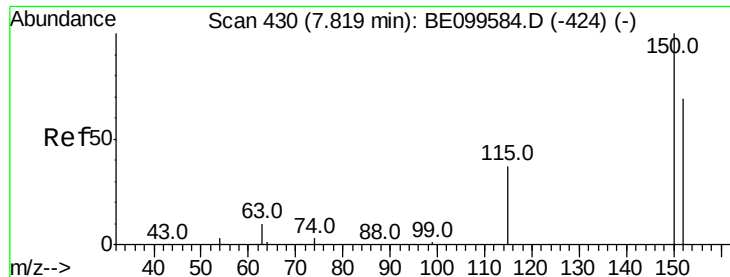
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099600.D

Acq: 10 May 2019 15:55

Instrument :

BNA_E

ClientSampleId :

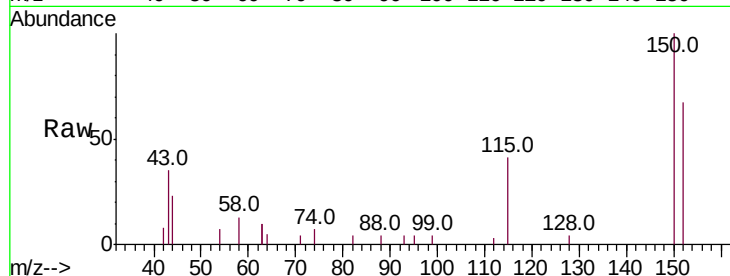
Tot Ion:152 Resp: 1875

Ion Ratio Lower Upper

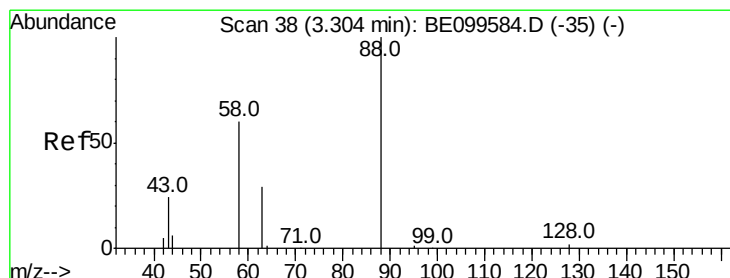
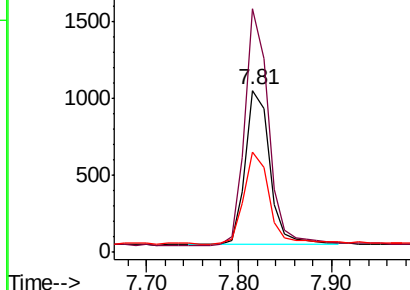
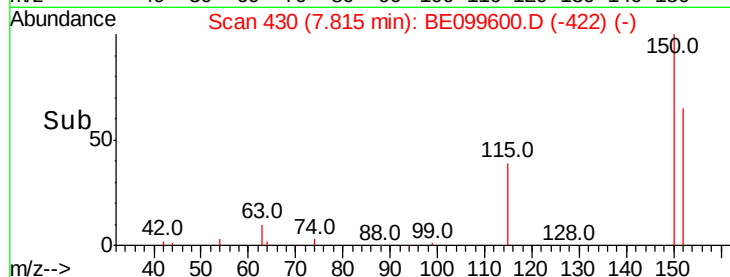
152 100

150 150.0 114.2 171.4

115 62.2 45.4 68.0



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: 0.044 ng

RT: 3.25 min Scan# 34

Delta R.T. -0.05 min

Lab File: BE099600.D

Acq: 10 May 2019 15:55

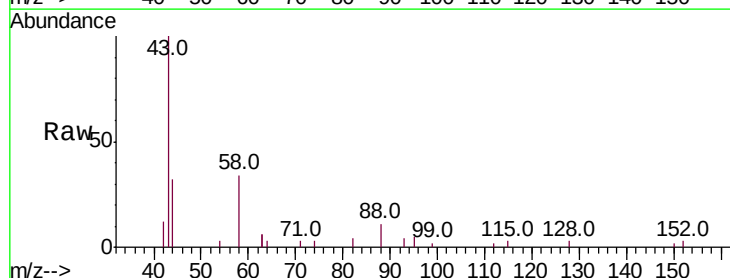
Tgt Ion: 88 Resp: 115

Ion Ratio Lower Upper

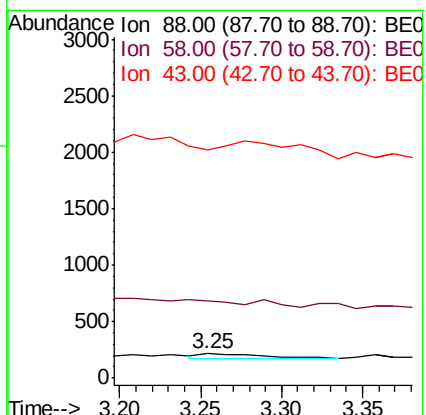
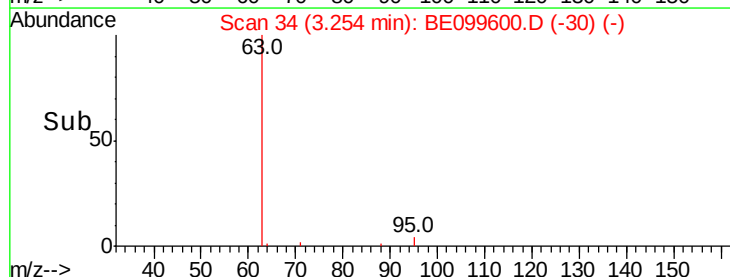
88 100

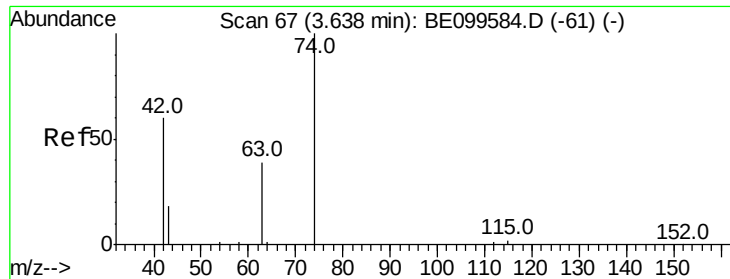
58 0.0 41.3 61.9#

43 0.0 21.0 31.6#



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: 0.036 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.04 min

Lab File: BE099600.D

Acq: 10 May 2019 15:55

Instrument :

BNA_E

ClientSampleId :

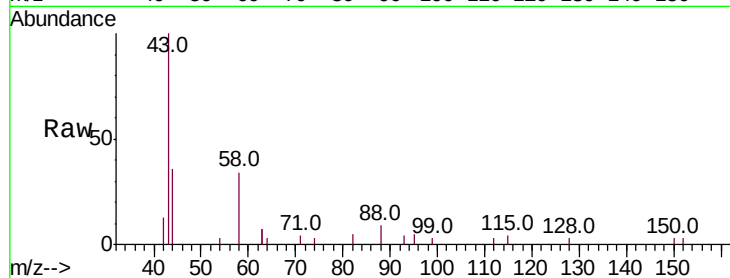
Tot Ion: 42 Resp: 59

Ion Ratio Lower Upper

42 100

74 8.5 136.9 205.3#

44 127.1 7.1 10.7#



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

800

600

400

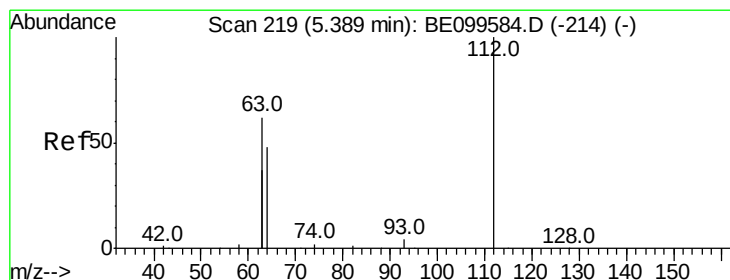
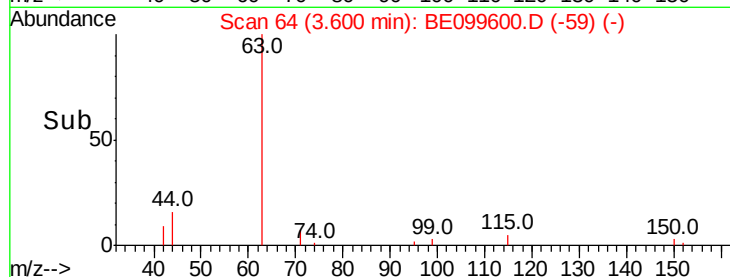
200

0

3.55

3.60

Time-->



#4

2-Fluorophenol

Concen: 0.349 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099600.D

Acq: 10 May 2019 15:55

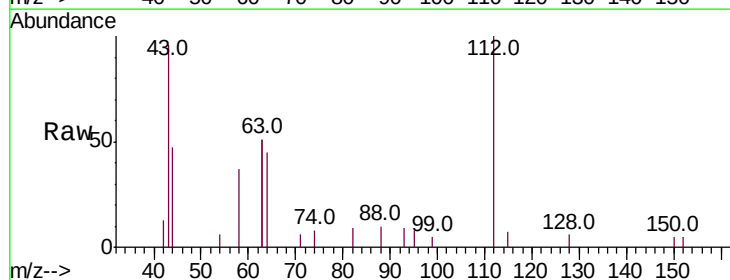
Tgt Ion: 112 Resp: 1792

Ion Ratio Lower Upper

112 100

64 54.1 46.2 69.4

63 122.3 100.2 150.4



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

2000

1500

1000

500

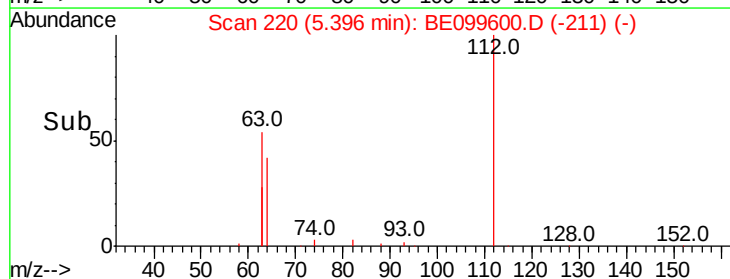
0

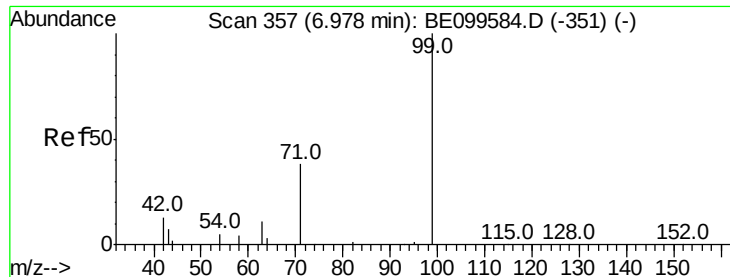
5.30

5.40

5.50

Time-->





#5

Phenol-d6

Concen: 0.353 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.01 min

Lab File: BE099600.D

Acq: 10 May 2019 15:55

Instrument :

BNA_E

ClientSampled :

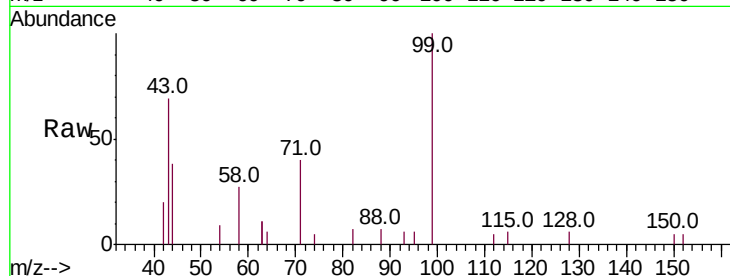
Tot Ion: 99 Resp: 2380

Ion Ratio Lower Upper

99 100

42 16.3 13.8 20.8

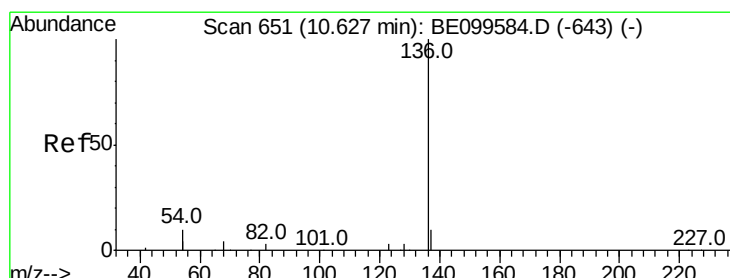
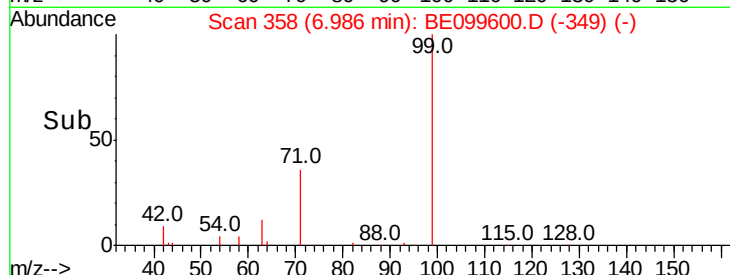
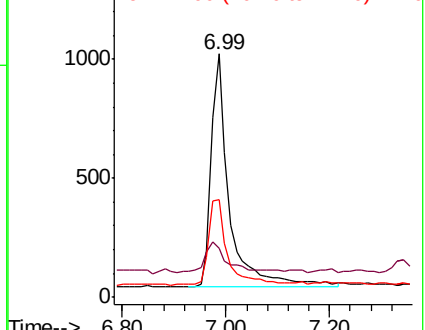
71 40.3 32.2 48.4



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: 0.400 ng

RT: 10.63 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE099600.D

Acq: 10 May 2019 15:55

Tgt Ion: 136 Resp: 6554

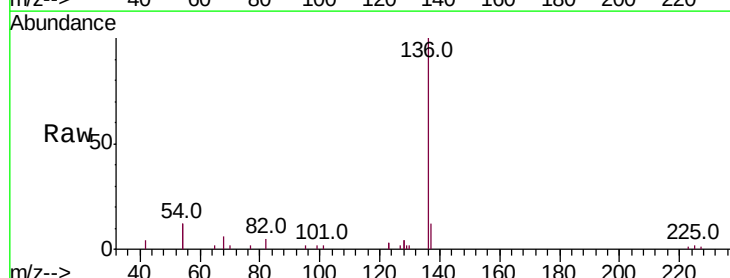
Ion Ratio Lower Upper

136 100

137 11.9 9.1 13.7

54 23.8 16.5 24.7

68 6.3 4.5 6.7

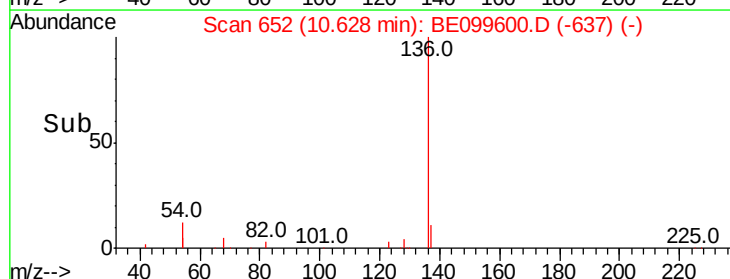
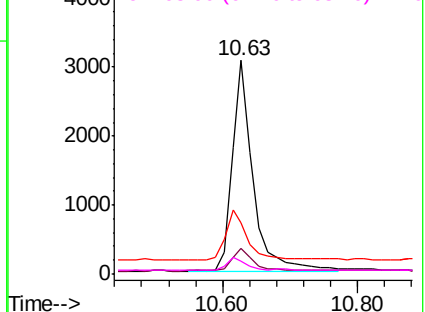


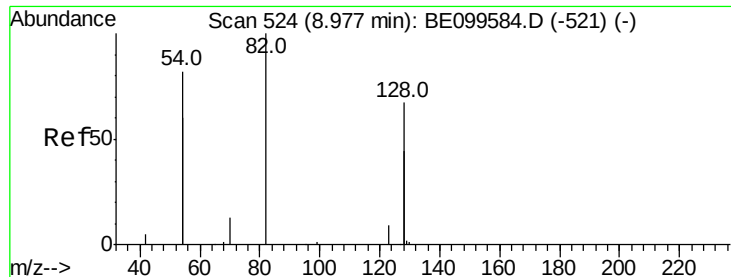
Abundance Ion 136.00 (135.70 to 136.70): E

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

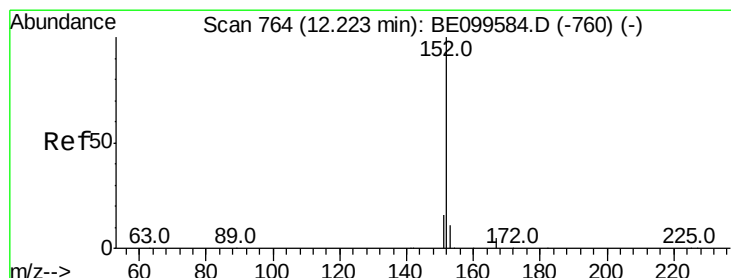
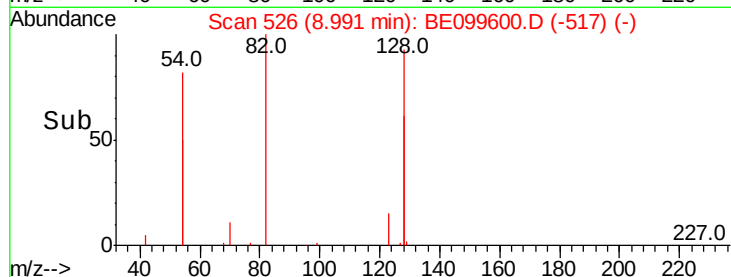
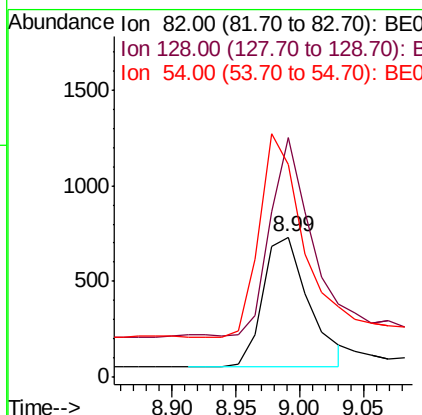
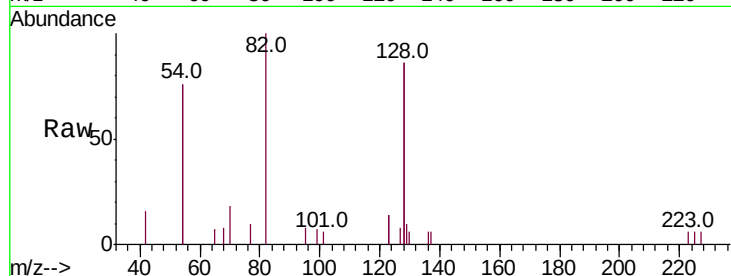




#8
 Nitrobenzene-d5
 Concen: 0.275 ng
 RT: 8.99 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: BE099600.D
 Acq: 10 May 2019 15:55

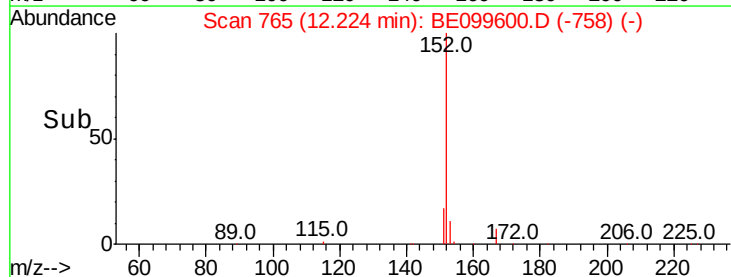
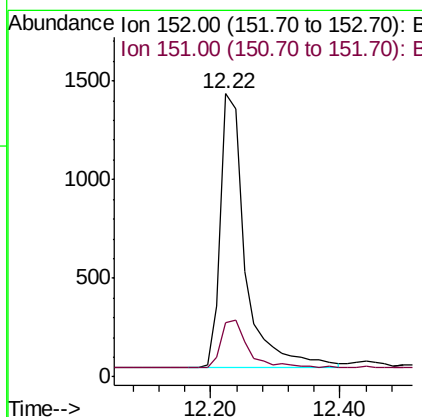
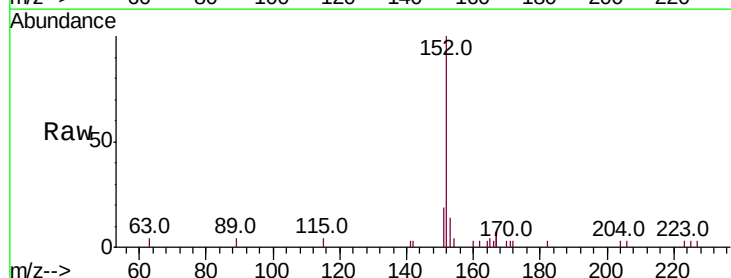
Instrument :
 BNA_E
 ClientSampleId :

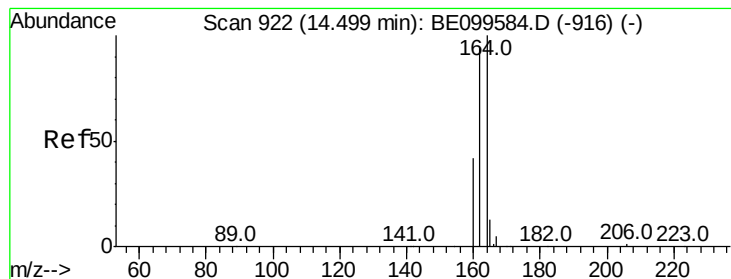
Tot Ion: 82 Resp: 1690
 Ion Ratio Lower Upper
 82 100
 128 171.2 101.5 152.3#
 54 151.8 123.8 185.6



#11
 2-Methylnaphthalene-d10
 Concen: 0.340 ng
 RT: 12.22 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BE099600.D
 Acq: 10 May 2019 15:55

Tgt Ion: 152 Resp: 3731
 Ion Ratio Lower Upper
 152 100
 151 19.4 16.2 24.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.50 min Scan# 923

Delta R.T. 0.00 min

Lab File: BE099600.D

Acq: 10 May 2019 15:55

Instrument :

BNA_E

ClientSampleId :

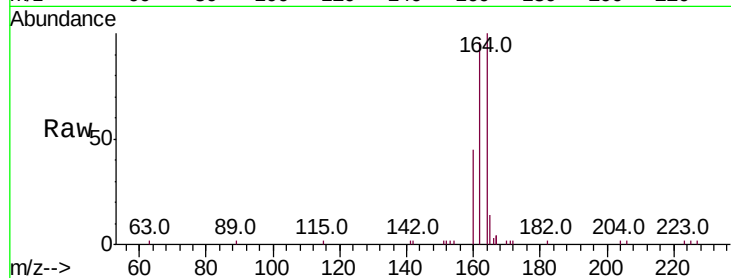
Tot Ion:164 Resp: 4449

Ion Ratio Lower Upper

164 100

162 95.8 75.3 112.9

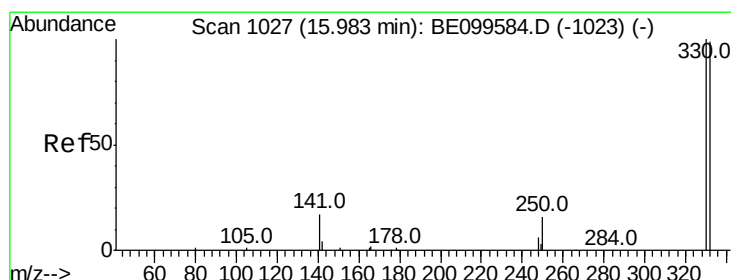
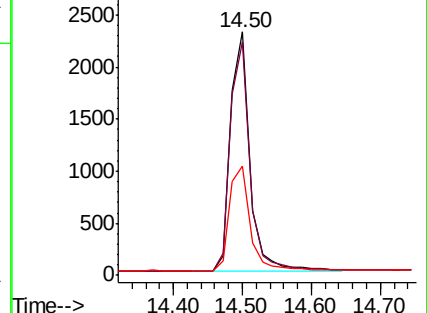
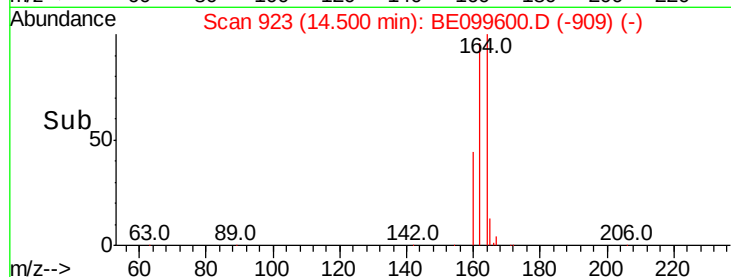
160 44.8 34.7 52.1



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



#14

2,4,6-Tribromophenol

Concen: 0.243 ng

RT: 16.00 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BE099600.D

Acq: 10 May 2019 15:55

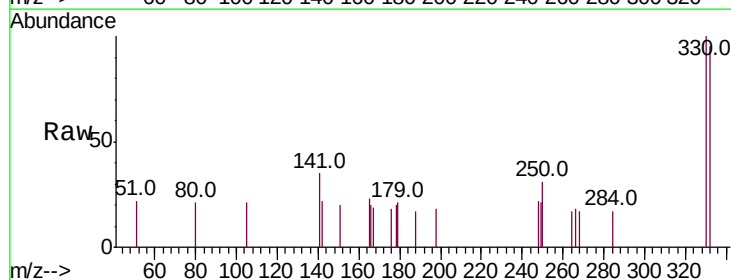
Tgt Ion:330 Resp: 642

Ion Ratio Lower Upper

330 100

332 100.0 78.7 118.1

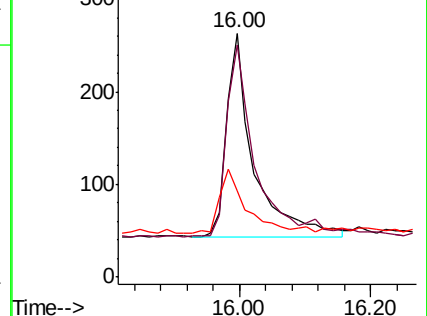
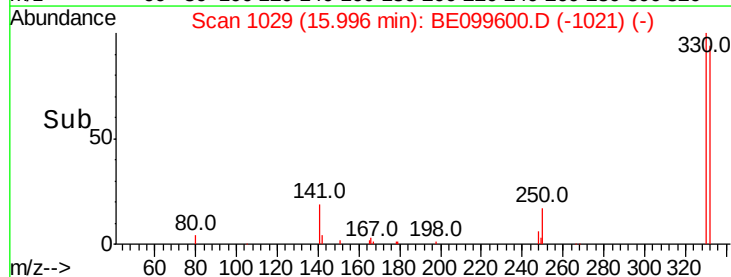
141 32.2 22.3 33.5

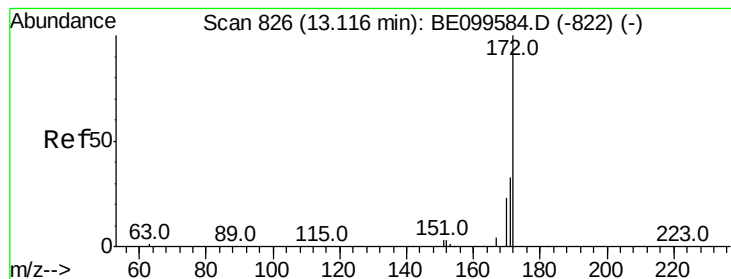


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

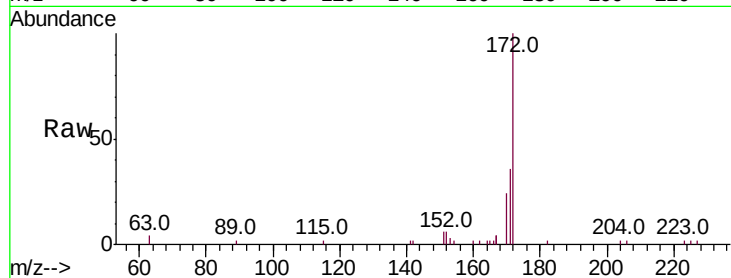




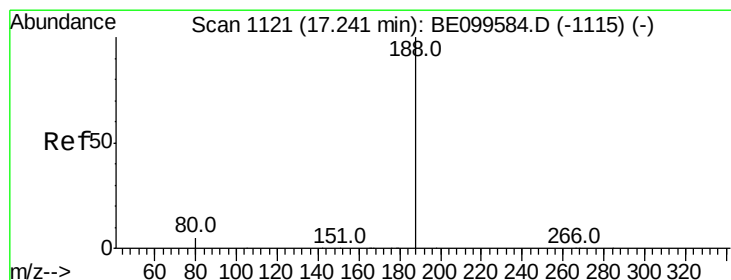
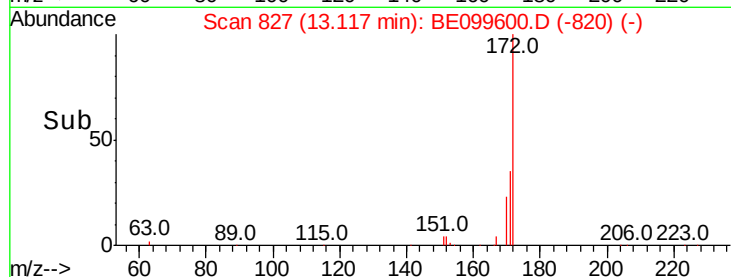
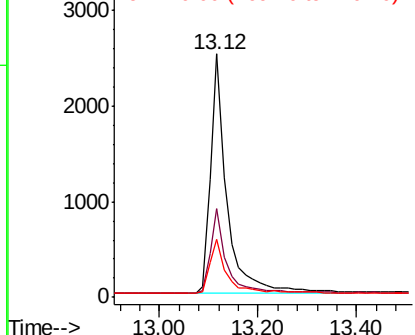
#15
 2-Fluorobiphenyl
 Concen: 0.332 ng
 RT: 13.12 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: BE099600.D
 Acq: 10 May 2019 15:55

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:172 Resp: 5724
 Ion Ratio Lower Upper
 172 100
 171 36.3 27.5 41.3
 170 24.0 19.1 28.7

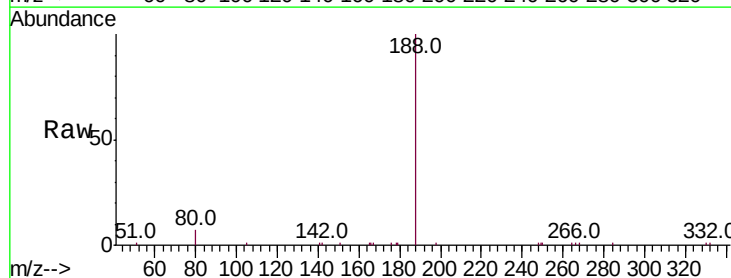


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

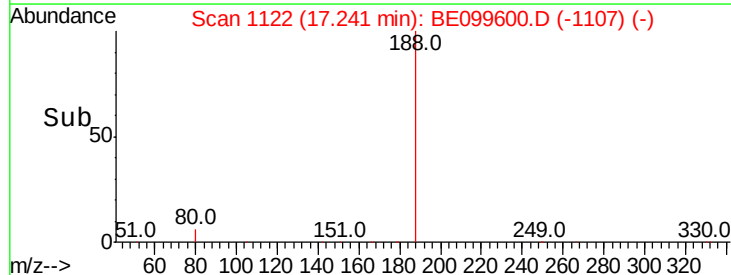
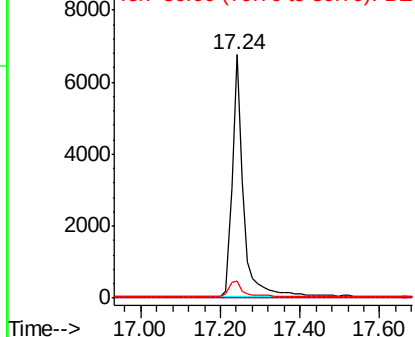


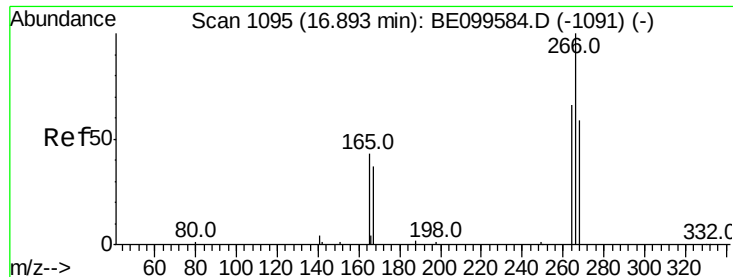
#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.24 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: BE099600.D
 Acq: 10 May 2019 15:55

Tgt Ion:188 Resp: 13002
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 6.9 4.4 6.6#



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

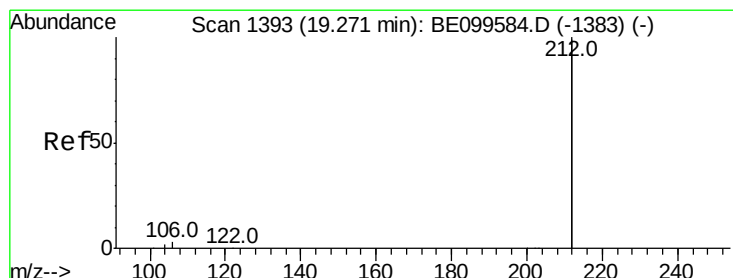
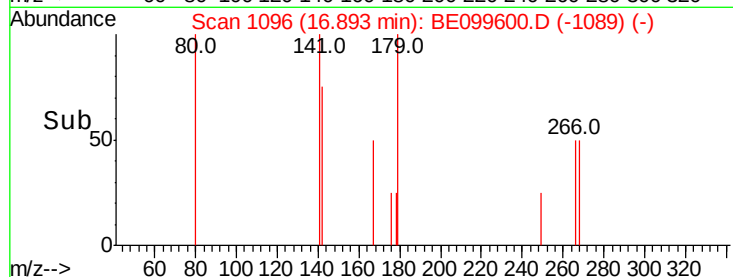
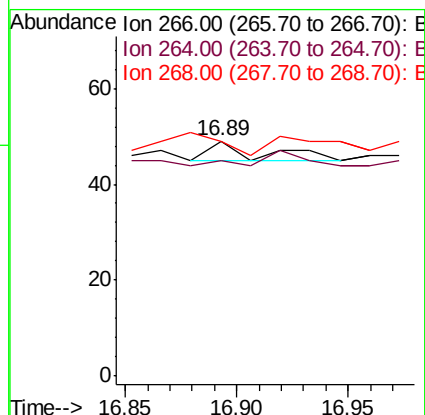
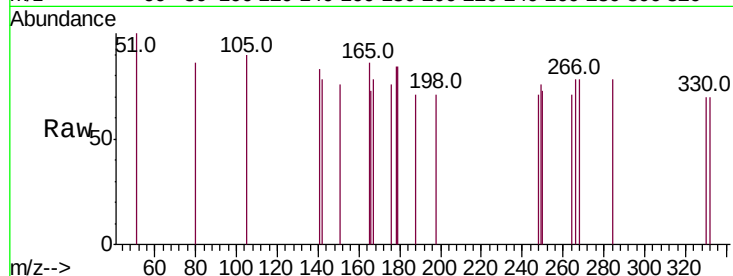




#22
 Pentachlorophenol
 Concen: 0.251 ng
 RT: 16.89 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: BE099600.D
 Acq: 10 May 2019 15:55

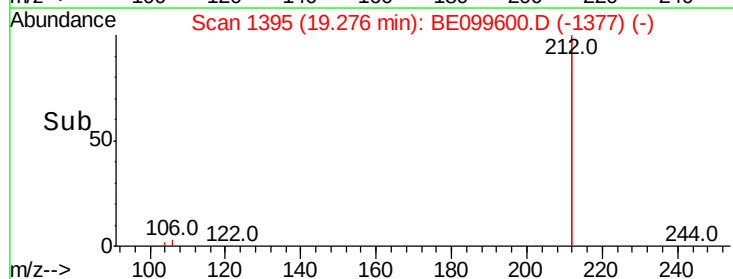
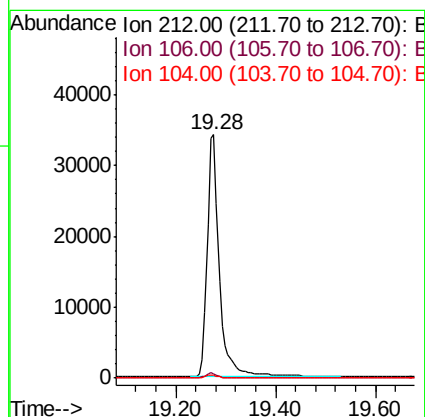
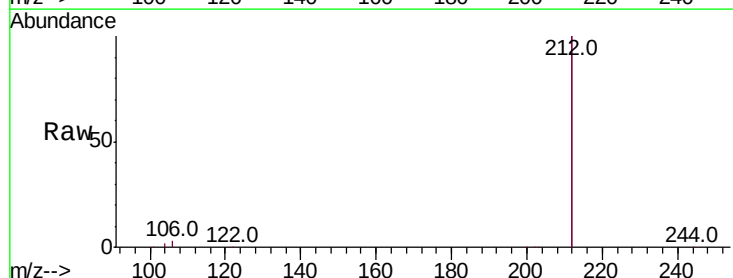
Instrument :
 BNA_E
 ClientSampleId :

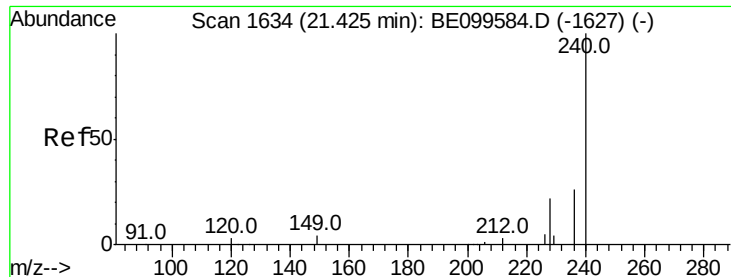
Tot Ion:266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 91.8 57.3 85.9#
 268 100.0 53.5 80.3#



#25
 Fluoranthene-d10
 Concen: 0.341 ng
 RT: 19.28 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: BE099600.D
 Acq: 10 May 2019 15:55

Tgt Ion:212 Resp: 58312
 Ion Ratio Lower Upper
 212 100
 106 1.8 1.4 2.2
 104 1.1 0.9 1.3





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE099600.D

Acq: 10 May 2019 15:55

Instrument :

BNA_E

ClientSampleId :

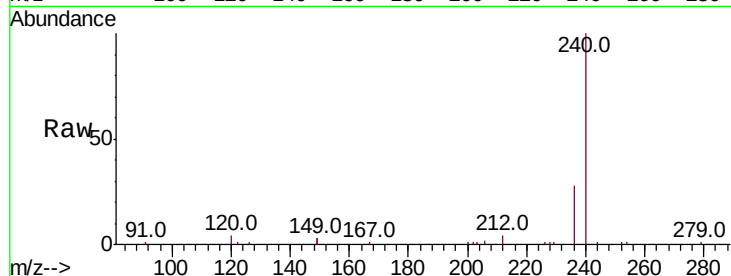
Tot Ion:240 Resp: 15934

Ion Ratio Lower Upper

240 100

120 4.2 3.2 4.8

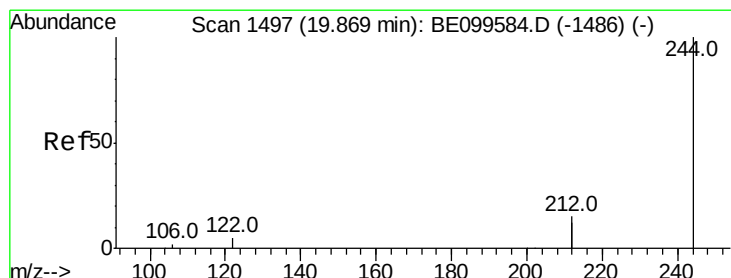
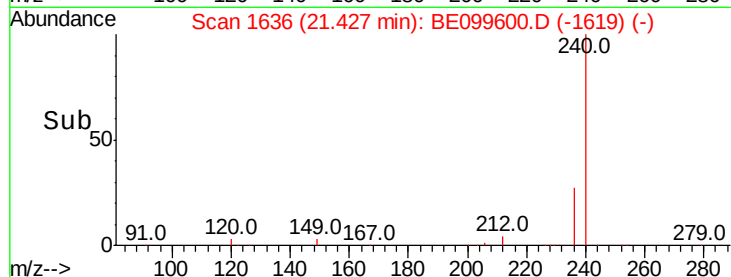
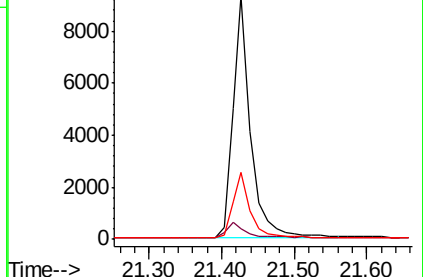
236 27.5 21.0 31.6



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



#29

Terphenyl-d14

Concen: 0.421 ng

RT: 19.87 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE099600.D

Acq: 10 May 2019 15:55

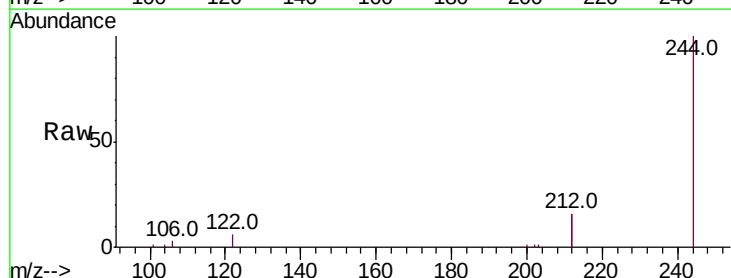
Tgt Ion:244 Resp: 11917

Ion Ratio Lower Upper

244 100

212 31.8 24.4 36.6

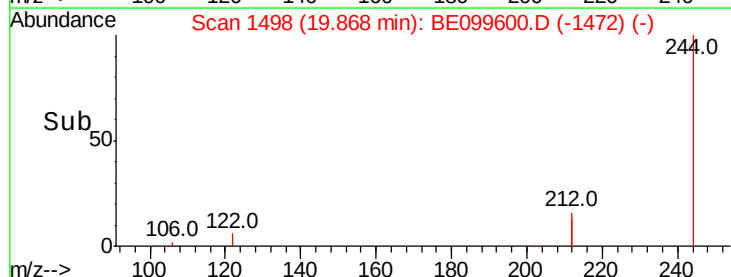
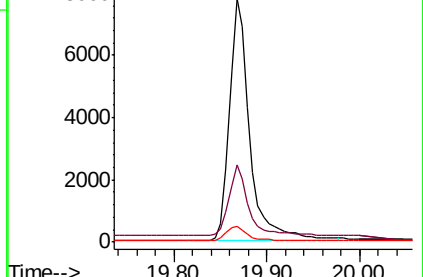
122 6.5 4.6 6.8

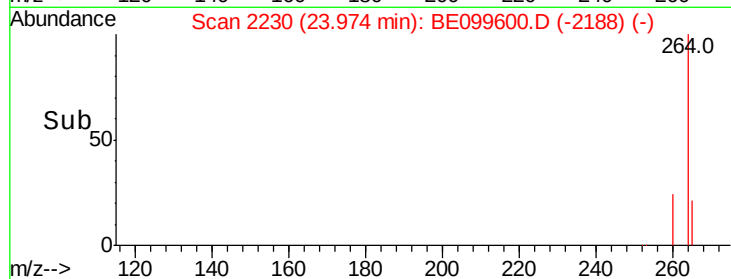
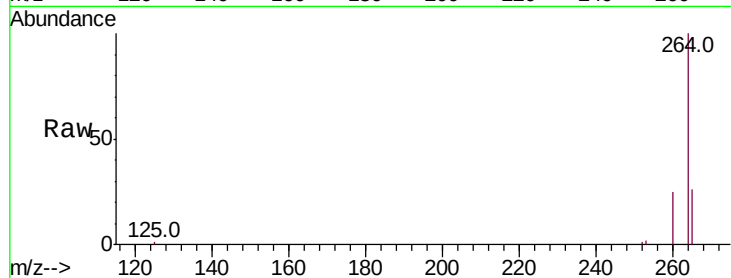
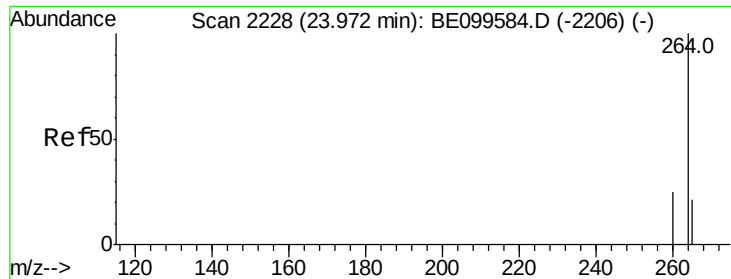


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.97 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BE099600.D

Acq: 10 May 2019 15:55

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 19180

Ion Ratio Lower Upper

264 100

260 24.7 20.3 30.5

265 25.5 20.9 31.3

