

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061419\
 Data File : BE100043.D
 Acq On : 15 Jun 2019 3:09
 Operator : JU/SJ
 Sample : K3315-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE104D3-20190607

Quant Time: Jun 15 05:08:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 14:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	877	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	3136	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	2397	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	6825	0.40	ng	0.00
27) Chrysene-d12	21.40	240	8590	0.40	ng	0.00
34) Perylene-d12	23.93	264	9972	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	379	0.16	ng	0.00
5) Phenol-d6	6.98	99	256	0.08	ng	0.00
8) Nitrobenzene-d5	8.98	82	1287	0.43	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	1968	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	466	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4235	0.47	ng	-0.01
25) Fluoranthene-d10	19.24	212	34261	0.34	ng	-0.01
29) Terphenyl-d14	19.84	244	10493	0.68	ng	-0.01

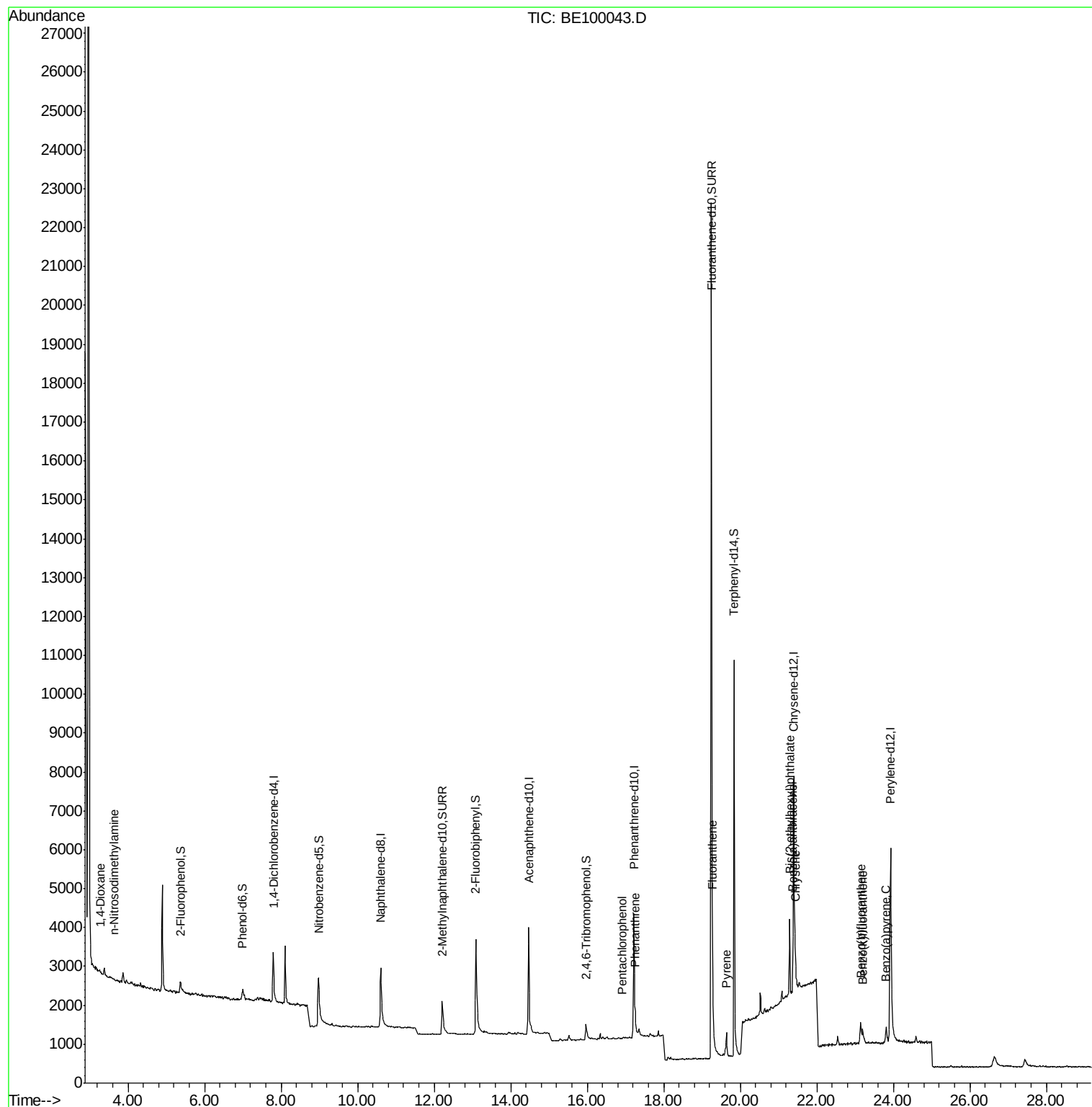
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	43	0.033	ng	# 29
3) n-Nitrosodimethylamine	3.62	42	30	0.040	ng	# 100
22) Pentachlorophenol	16.91	266	9	0.304	ng	# 84
23) Phenanthrene	17.25	178	410	0.025	ng	# 99
26) Fluoranthene	19.28	202	715	0.025	ng	# 95
28) Pyrene	19.64	202	667	0.030	ng	# 95
30) Benzo(a)anthracene	21.38	228	706	0.028	ng	# 73
31) Chrysene	21.44	228	775	0.029	ng	# 81
32) Bis(2-ethylhexyl)phthalate	21.29	149	2586	0.070	ng	# 100
35) Benzo(b)fluoranthene	23.15	252	700	0.025	ng	# 19
36) Benzo(k)fluoranthene	23.20	252	724	0.025	ng	# 25
37) Benzo(a)pyrene	23.82	252	618	0.022	ng	# 1

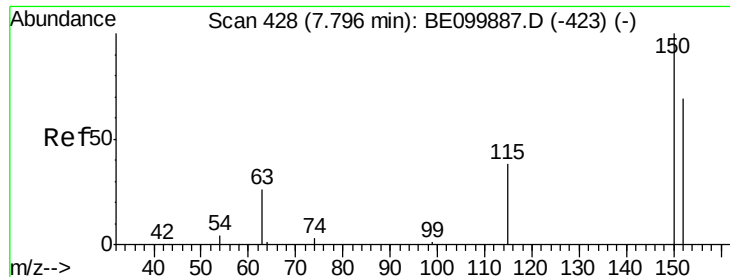
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.79 min Scan# 428

Delta R.T. -0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Instrument :

BNA_E

ClientSampleId :

RE104D3-20190607

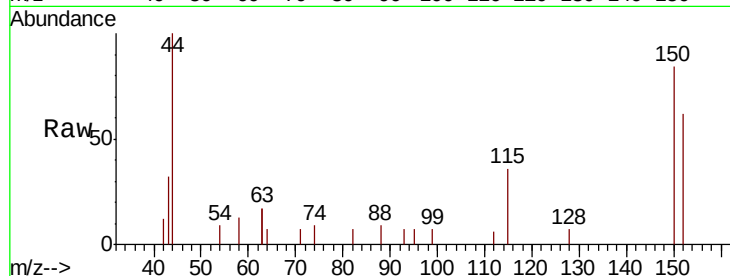
Tgt Ion: 152 Resp: 877

Ion Ratio Lower Upper

152 100

150 135.8 111.0 166.6

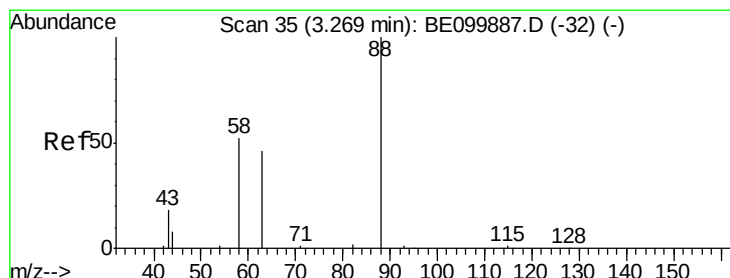
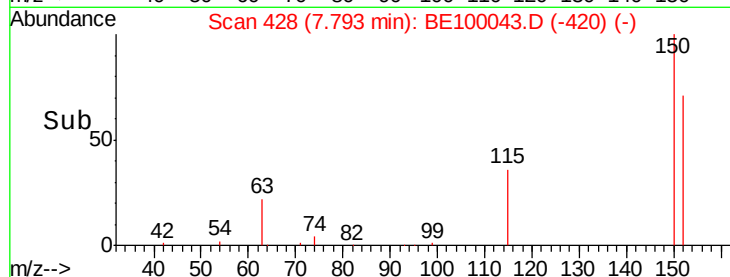
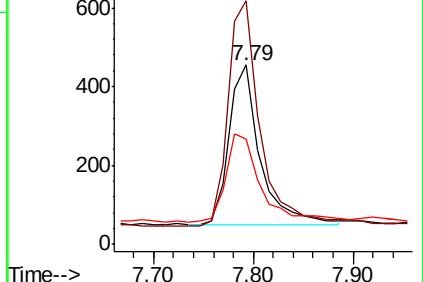
115 58.7 50.7 76.1



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: 0.033 ng

RT: 3.28 min Scan# 36

Delta R.T. 0.01 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

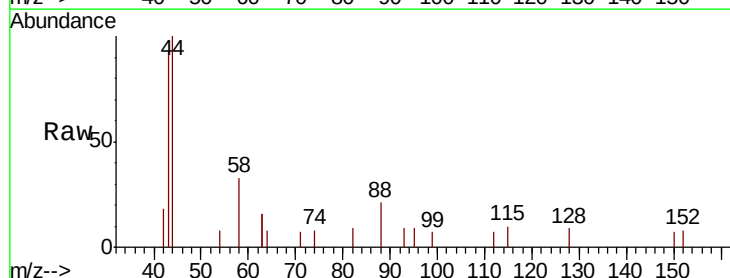
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

58 0.0 48.8 73.2#

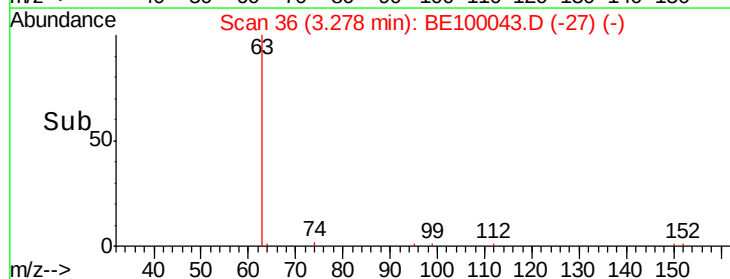
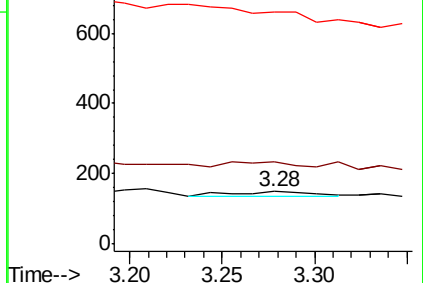
43 0.0 19.0 28.6#

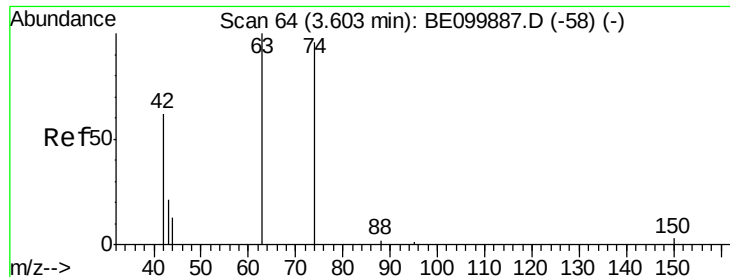


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.040 ng

RT: 3.62 min Scan# 66

Delta R.T. 0.02 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Instrument :

BNA_E

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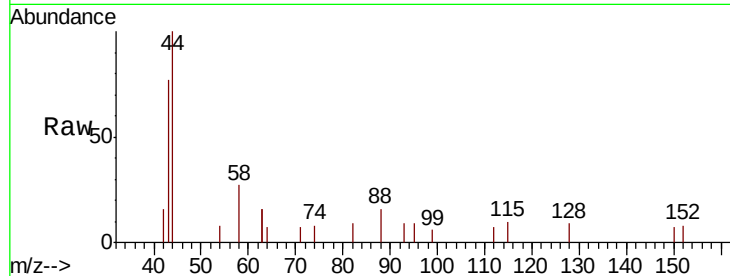
Tgt Ion: 42 Resp: 30

Ion Ratio Lower Upper

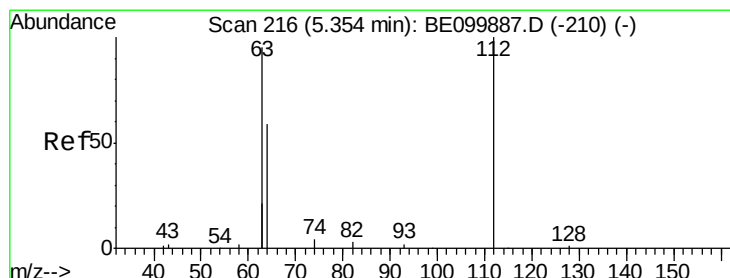
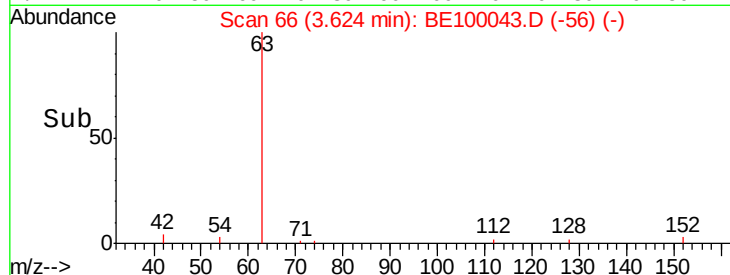
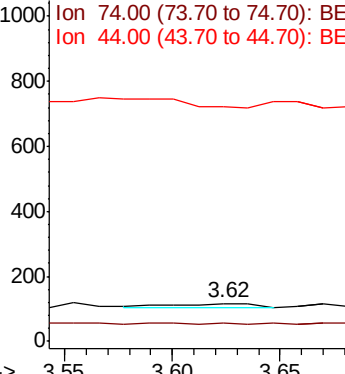
42 100

74 30.0 0.0 0.0#

44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.160 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

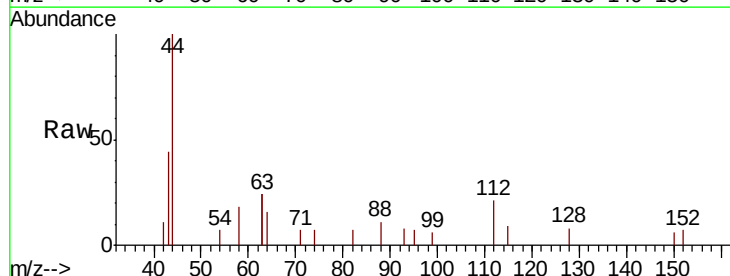
Tgt Ion: 112 Resp: 379

Ion Ratio Lower Upper

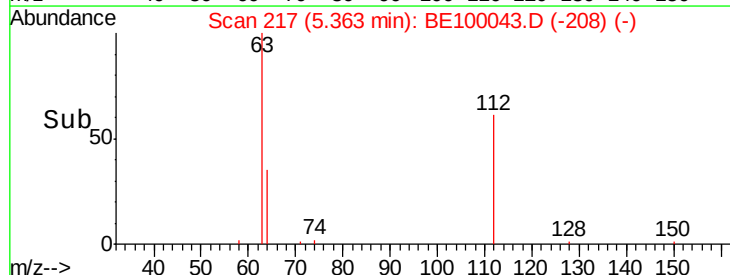
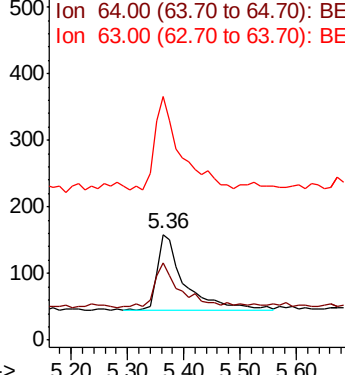
112 100

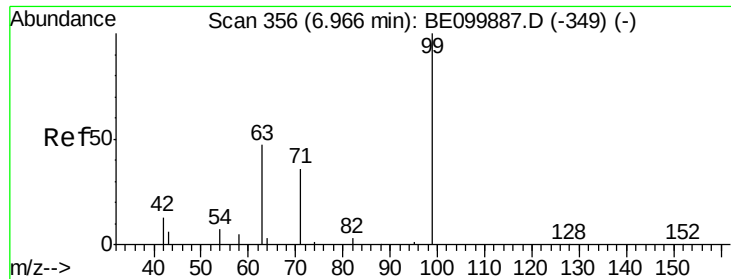
64 60.9 44.1 66.1

63 117.4 87.8 131.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.084 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Instrument :

BNA_E

ClientSampleId :

RE104D3-20190607

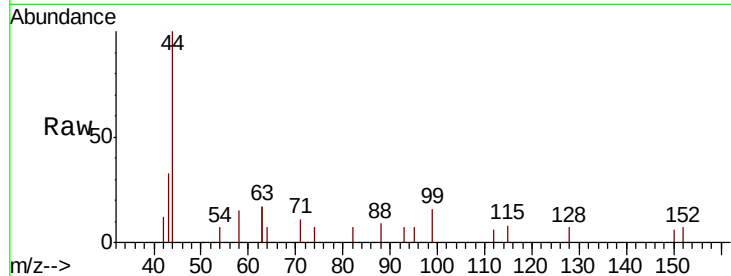
Tgt Ion: 99 Resp: 256

Ion Ratio Lower Upper

99 100

42 0.0 15.9 23.9#

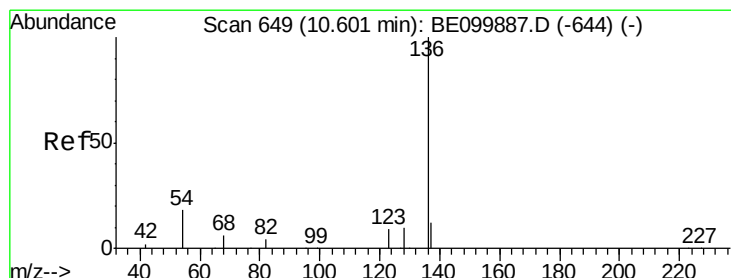
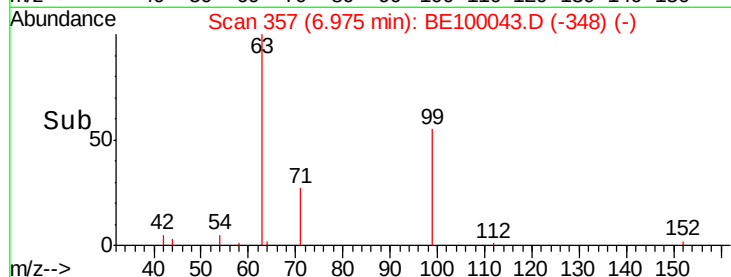
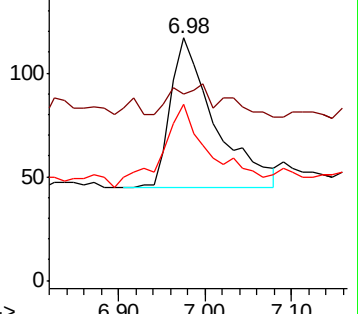
71 60.2 34.6 52.0#



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Tgt Ion: 136 Resp: 3136

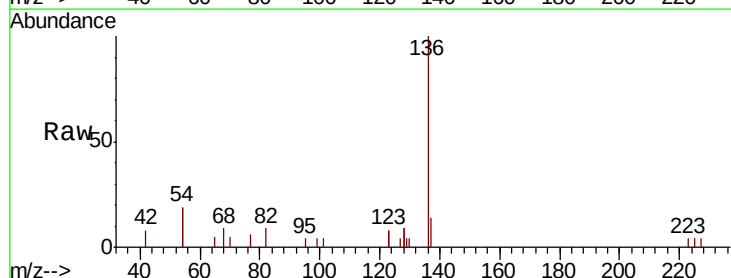
Ion Ratio Lower Upper

136 100

137 14.1 12.3 18.5

54 37.5 28.2 42.4

68 9.1 7.8 11.8

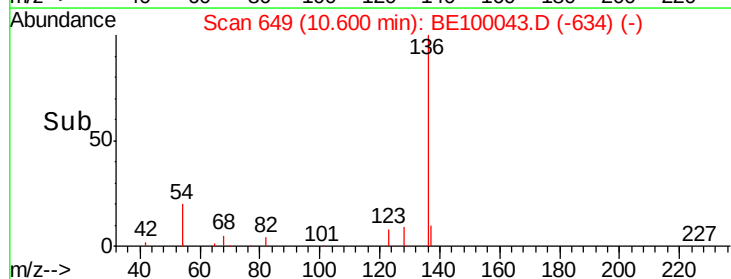
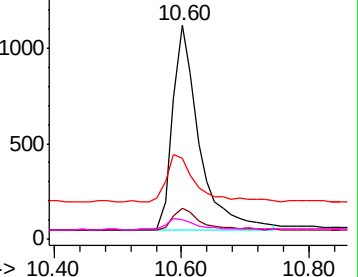


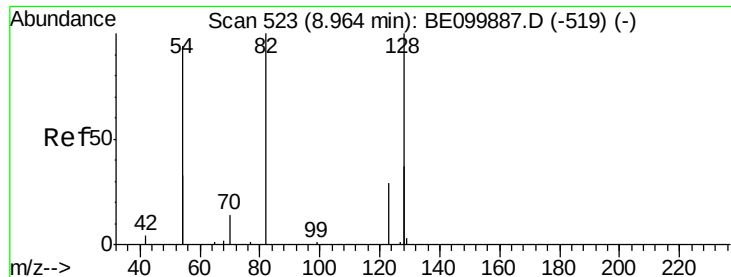
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.433 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Instrument :

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RE104D3-20190607

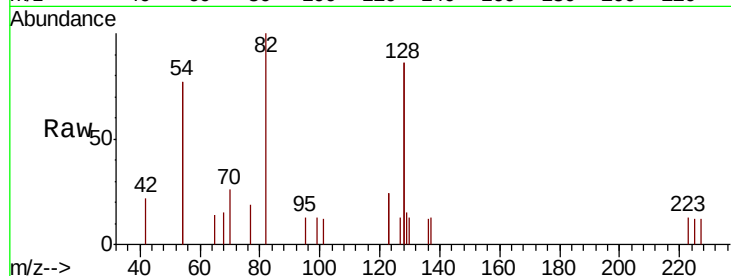
Tgt Ion: 82 Resp: 1287

Ion Ratio Lower Upper

82 100

128 172.6 137.3 205.9

54 154.2 129.7 194.5



Abundance Ion 82.00 (81.70 to 82.70): BE1

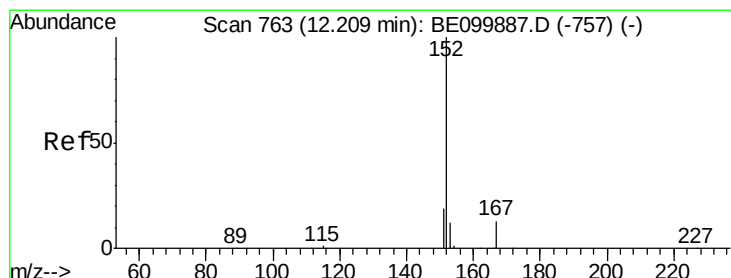
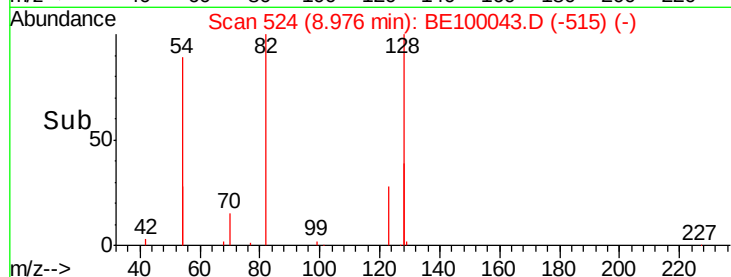
Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

8.98

Time-->

8.80 8.90 9.00 9.10



#11

2-Methylnaphthalene-d10

Concen: 0.360 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE100043.D

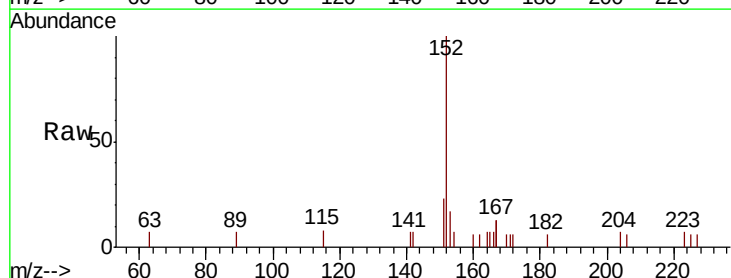
Acq: 15 Jun 2019 3:09

Tgt Ion: 152 Resp: 1968

Ion Ratio Lower Upper

152 100

151 18.0 15.2 22.8



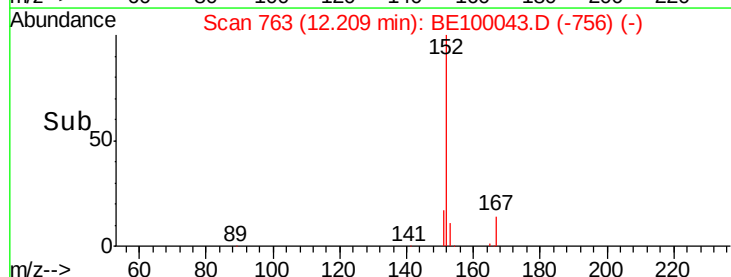
Abundance Ion 152.00 (151.70 to 152.70): E

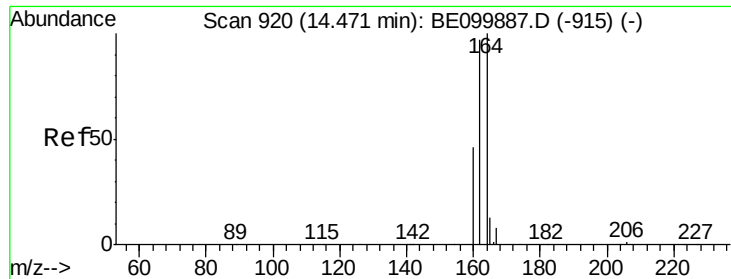
Ion 151.00 (150.70 to 151.70): E

12.21

Time-->

12.20 12.40

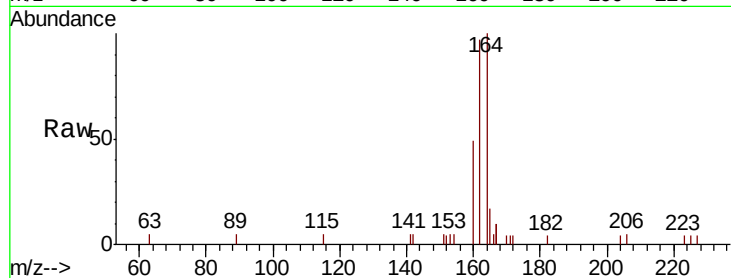




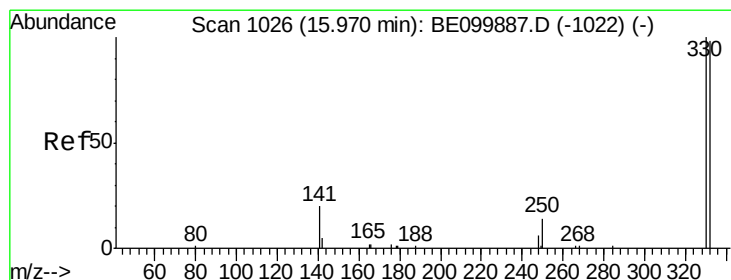
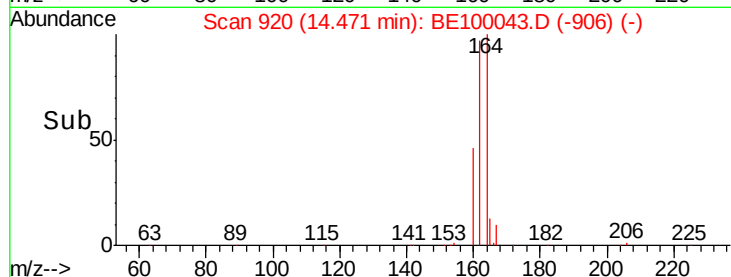
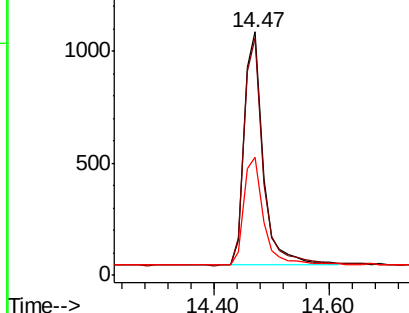
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: BE100043.D
 Acq: 15 Jun 2019 3:09

Instrument :
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 ClientSampleId :
 RE104D3-20190607

Tgt Ion:164 Resp: 2397
 Ion Ratio Lower Upper
 164 100
 162 97.2 77.8 116.8
 160 48.5 38.2 57.4

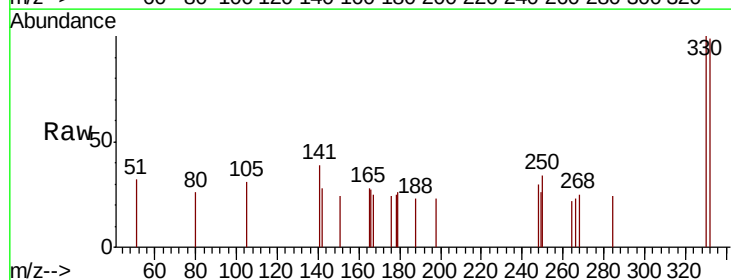


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

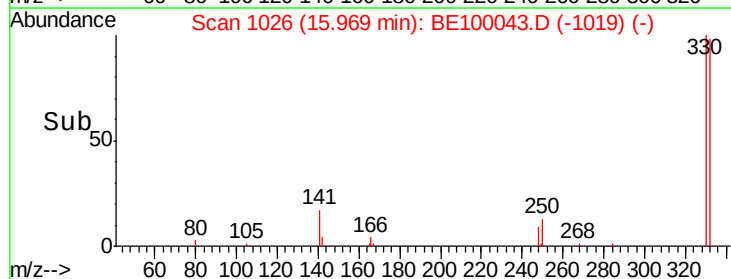
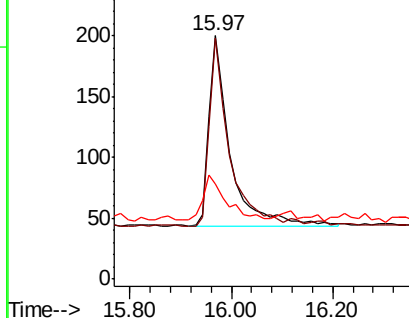


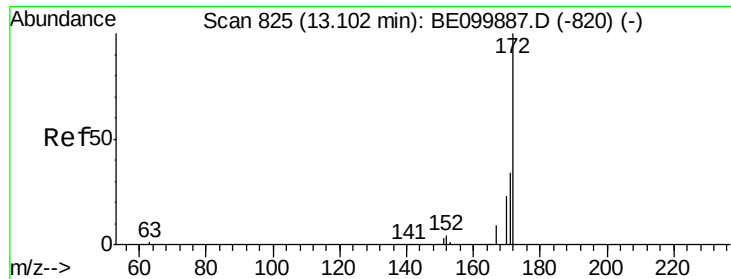
#14
 2,4,6-Tribromophenol
 Concen: 0.263 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BE100043.D
 Acq: 15 Jun 2019 3:09

Tgt Ion:330 Resp: 466
 Ion Ratio Lower Upper
 330 100
 332 90.3 76.7 115.1
 141 23.8 21.0 31.6



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

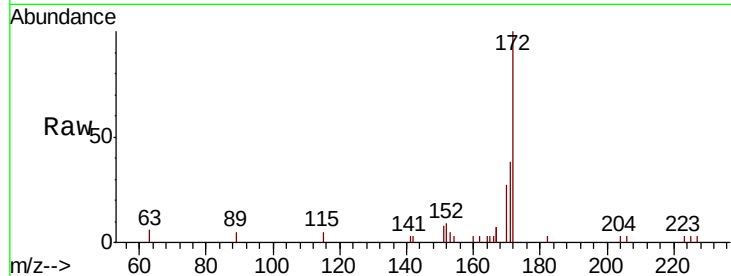




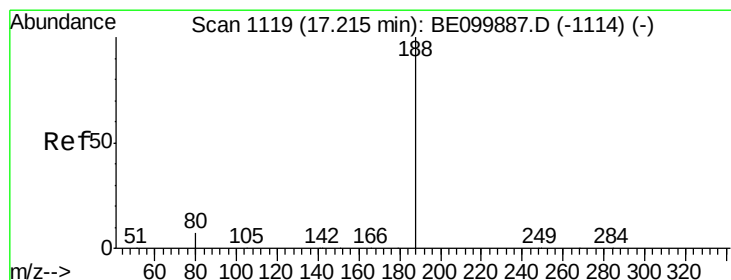
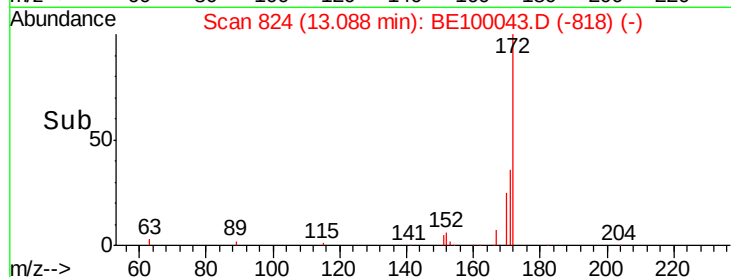
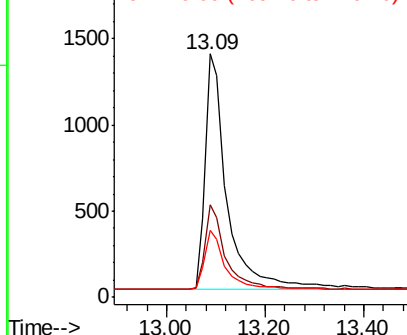
#15
2-Fluorobiphenyl
Concen: 0.466 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE100043.D
Acq: 15 Jun 2019 3:09

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion:172 Resp: 4235
Ion Ratio Lower Upper
172 100
171 38.0 29.2 43.8
170 27.4 21.2 31.8

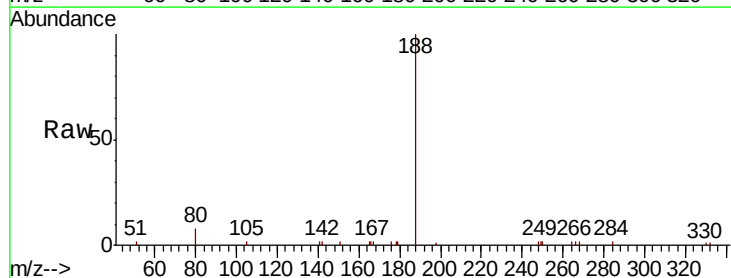


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

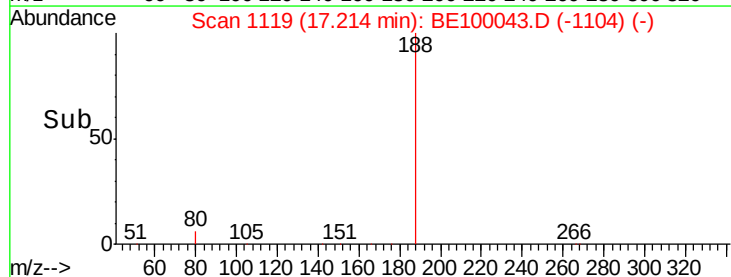
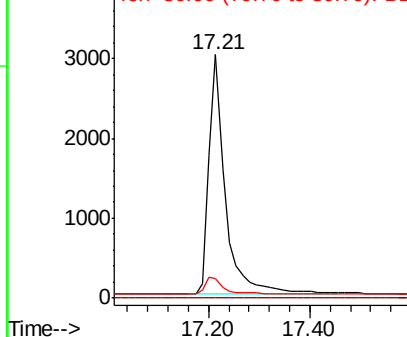


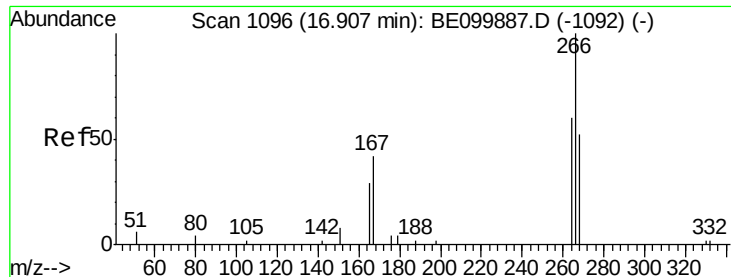
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE100043.D
Acq: 15 Jun 2019 3:09

Tgt Ion:188 Resp: 6825
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.8 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1





#22

Pentachlorophenol

Concen: 0.304 ng

RT: 16.91 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

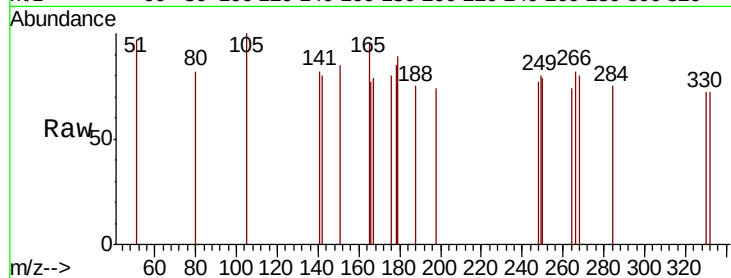
Instrument :

BNA_E

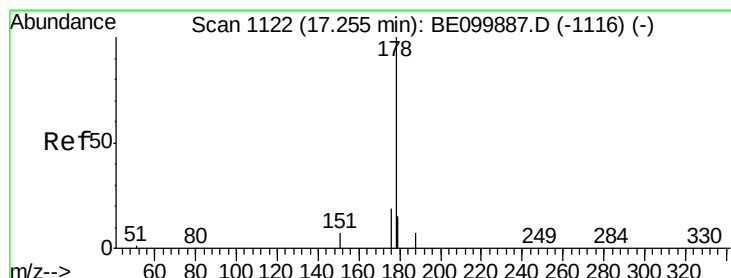
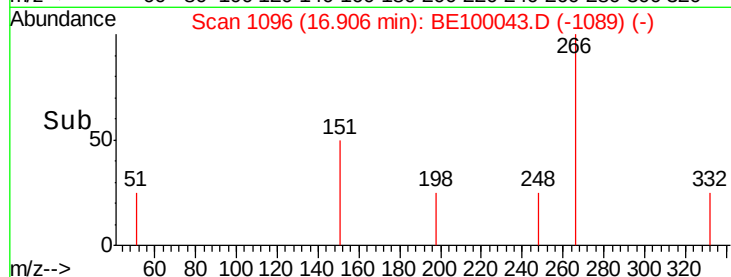
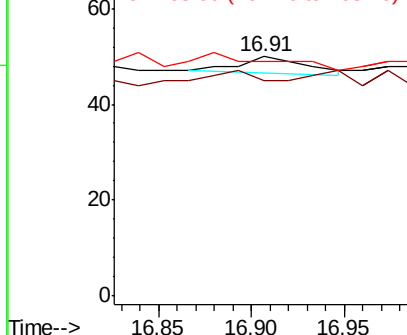
ClientSampleId :

RE104D3-20190607

Tgt Ion:	266	Resp:	9
Ion	Ratio	Lower	Upper
266	100		
264	90.0	62.2	93.2
268	98.0	65.5	98.3



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



#23

Phenanthrene

Concen: 0.025 ng

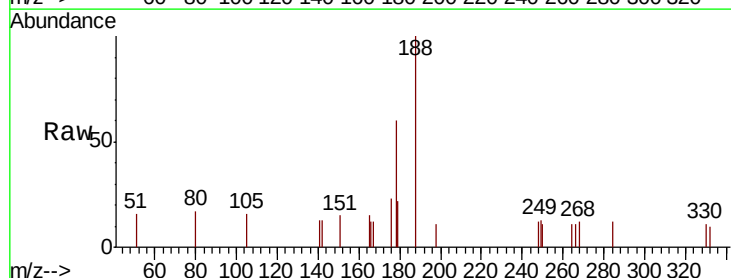
RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

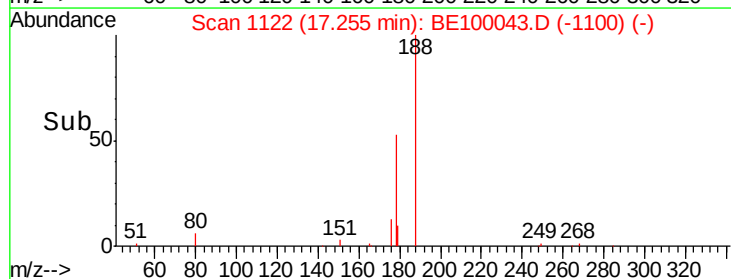
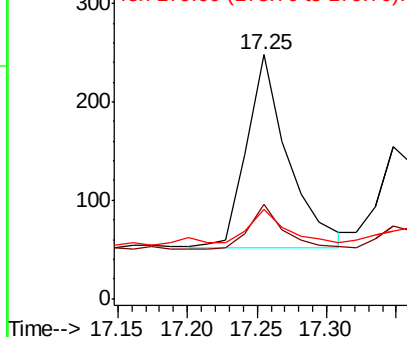
Lab File: BE100043.D

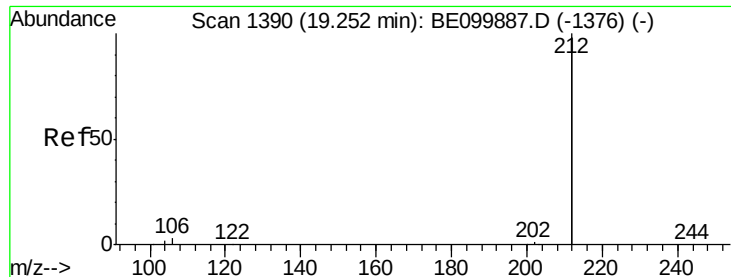
Acq: 15 Jun 2019 3:09

Tgt Ion:	178	Resp:	410
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.9	12.4	18.6



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: 0.345 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Instrument :

BNA_E

ClientSampleId :

RE104D3-20190607

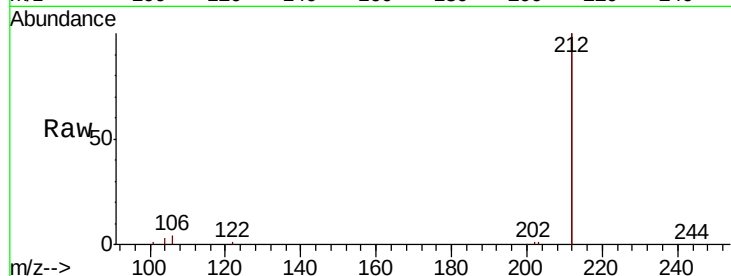
Tgt Ion:212 Resp: 34261

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

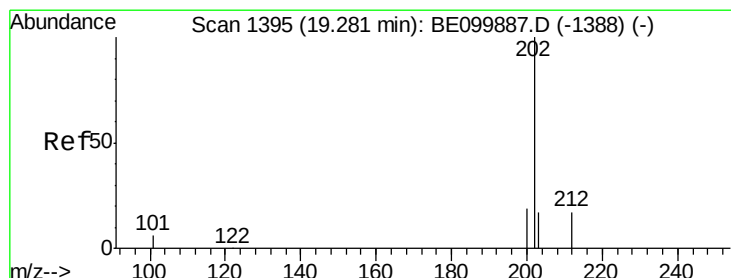
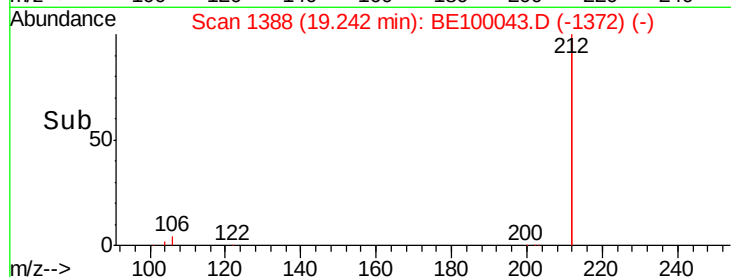
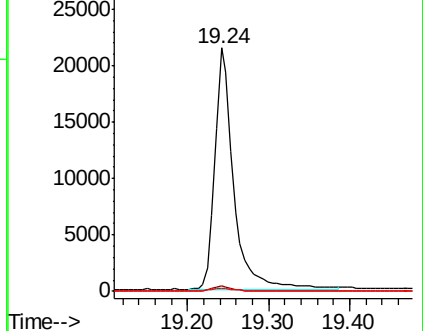
104 1.1 0.9 1.3



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: 0.025 ng

RT: 19.28 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

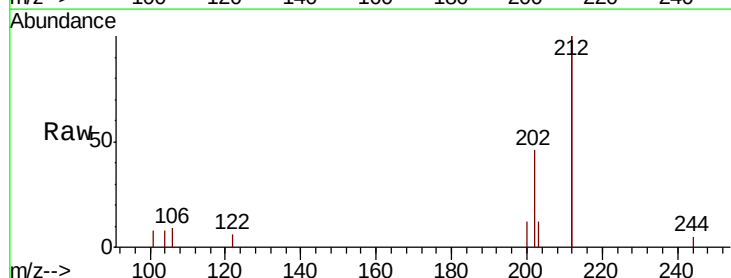
Tgt Ion:202 Resp: 715

Ion Ratio Lower Upper

202 100

101 9.7 5.4 8.0#

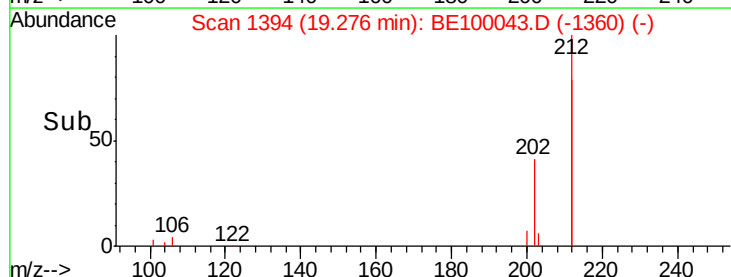
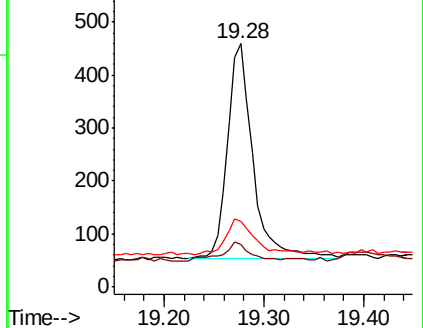
203 18.2 13.2 19.8

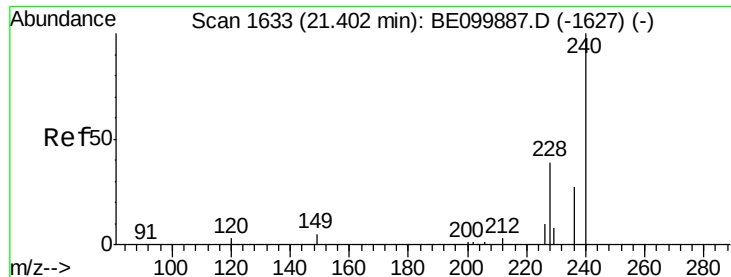


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Instrument :

BNA_E

ClientSampleId :

RE104D3-20190607

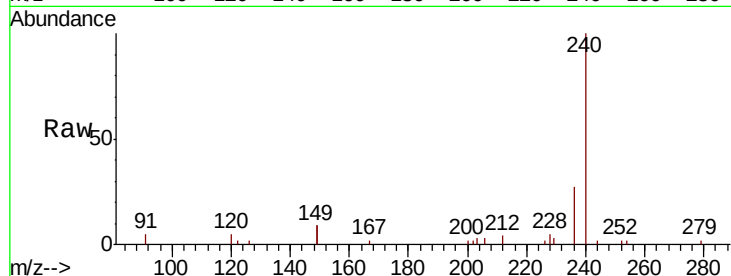
Tgt Ion:240 Resp: 8590

Ion Ratio Lower Upper

240 100

120 5.0 3.8 5.6

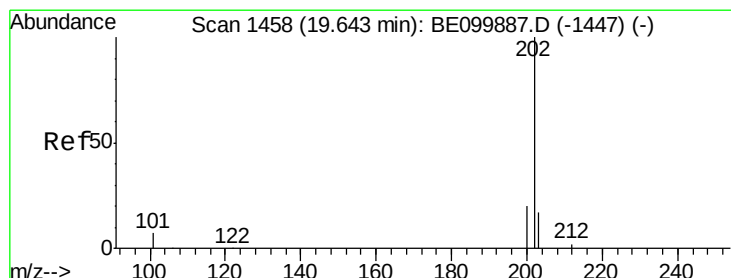
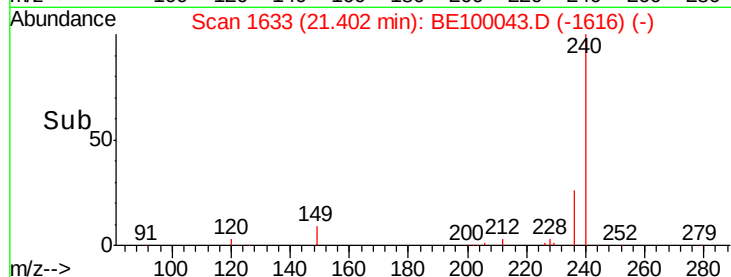
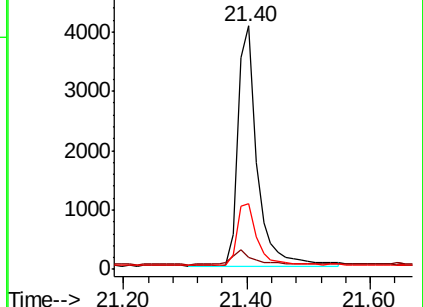
236 27.1 22.0 33.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.030 ng

RT: 19.64 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

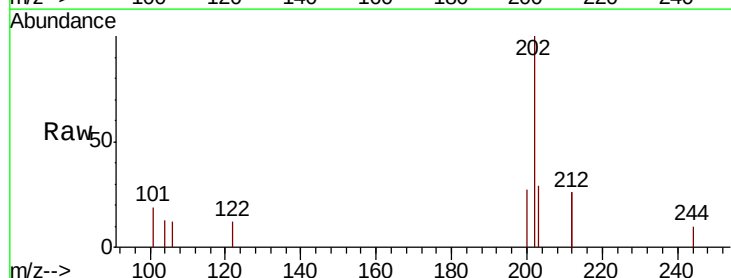
Tgt Ion:202 Resp: 667

Ion Ratio Lower Upper

202 100

200 20.5 15.5 23.3

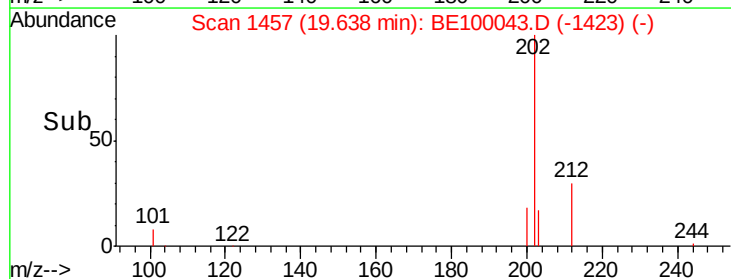
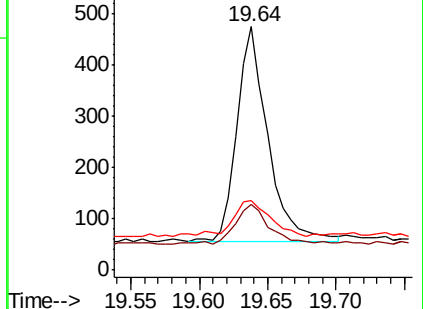
203 21.1 14.0 21.0#

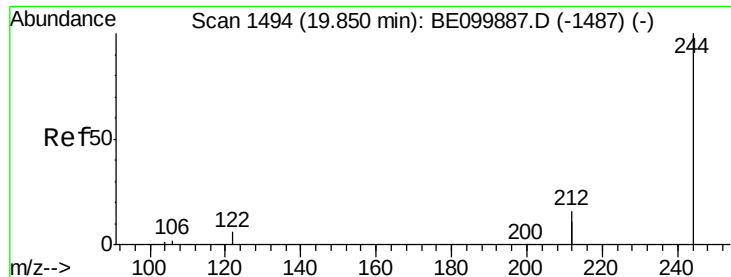


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.679 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Instrument :

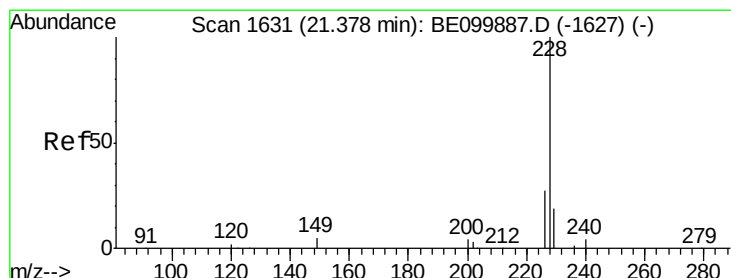
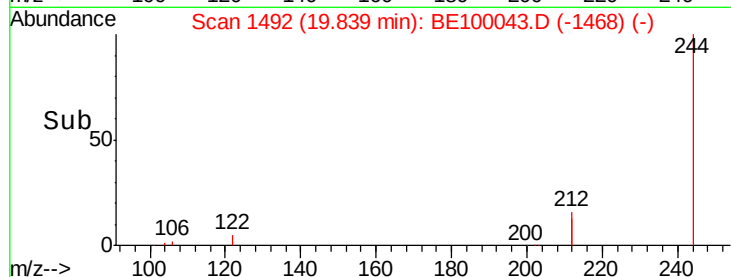
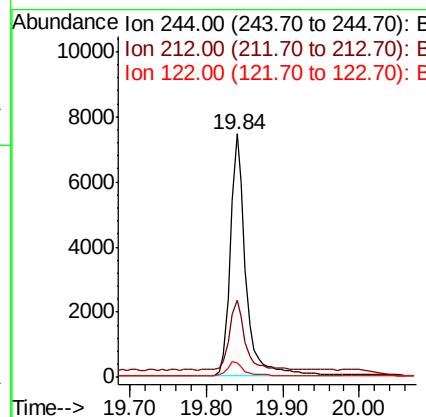
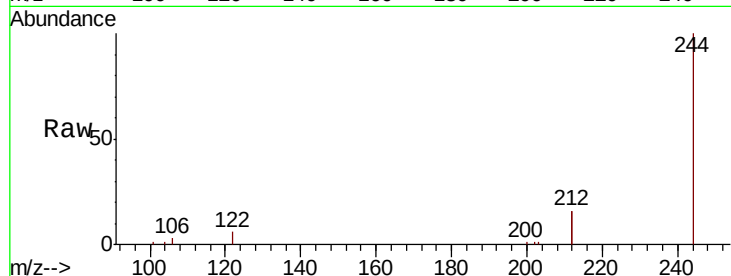
BNA_E

ClientSampleId :

RE104D3-20190607

Tgt Ion:244 Resp: 10493

Ion	Ratio	Lower	Upper
244	100		
212	31.5	25.7	38.5
122	5.9	5.5	8.3



#30

Benzo(a)anthracene

Concen: 0.028 ng

RT: 21.38 min Scan# 1631

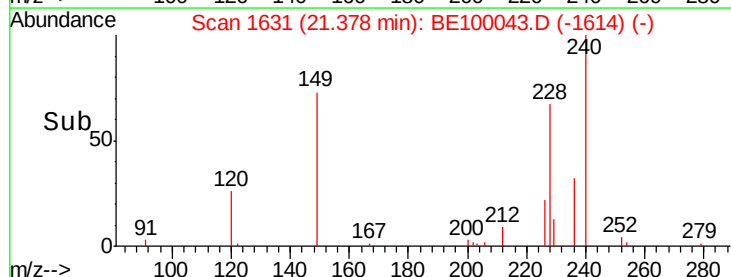
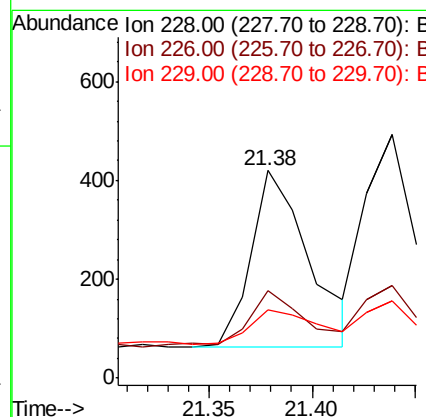
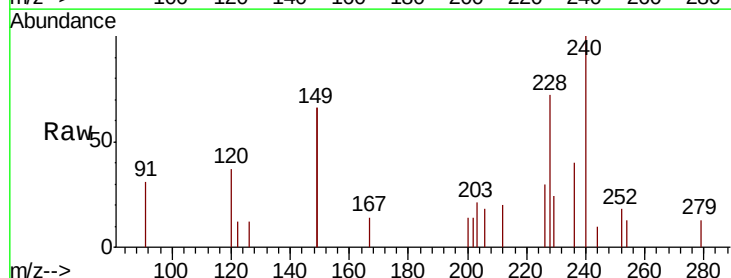
Delta R.T. 0.00 min

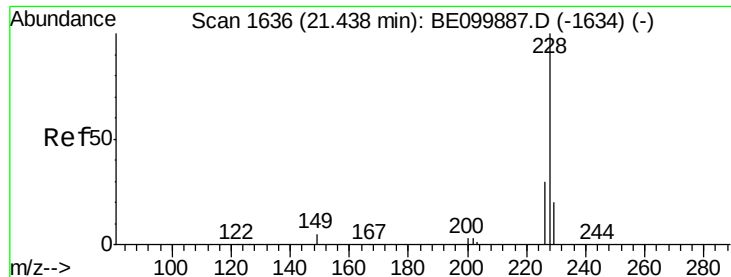
Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Tgt Ion:228 Resp: 706

Ion	Ratio	Lower	Upper
228	100		
226	41.9	22.5	33.7#
229	33.1	15.9	23.9#





#31

Chrysene

Concen: 0.029 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Instrument :

BNA_E

ClientSampleId :

RE104D3-20190607

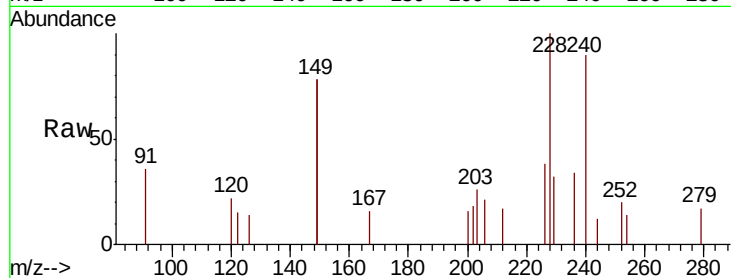
Tgt Ion:228 Resp: 775

Ion Ratio Lower Upper

228 100

226 37.9 24.1 36.1#

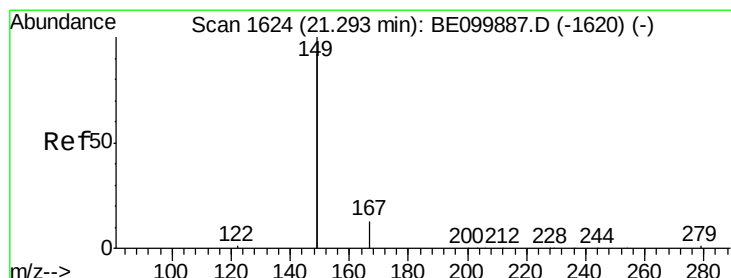
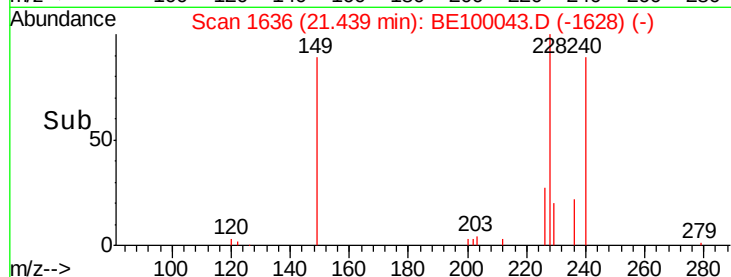
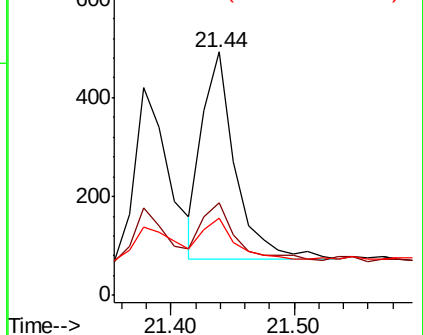
229 31.6 16.1 24.1#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.070 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

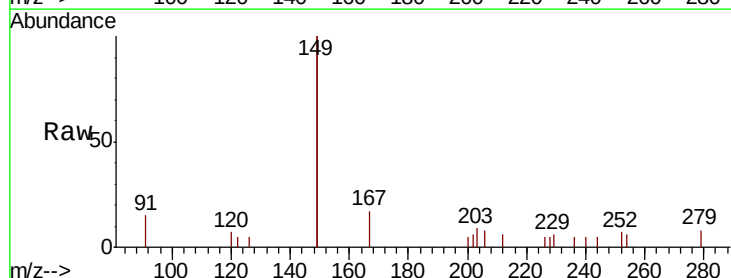
Tgt Ion:149 Resp: 2586

Ion Ratio Lower Upper

149 100

167 7.3 5.9 8.9

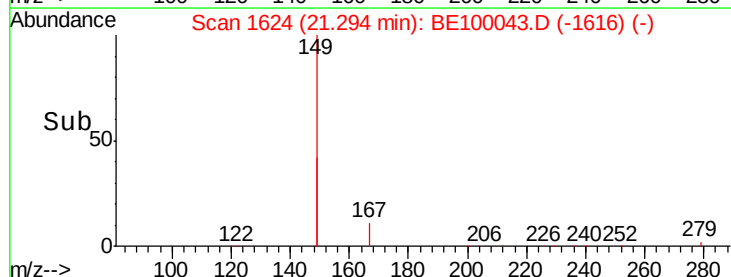
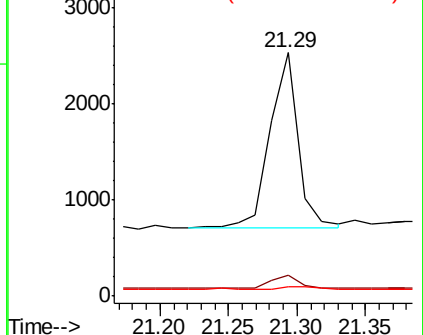
279 1.9 1.2 1.8#

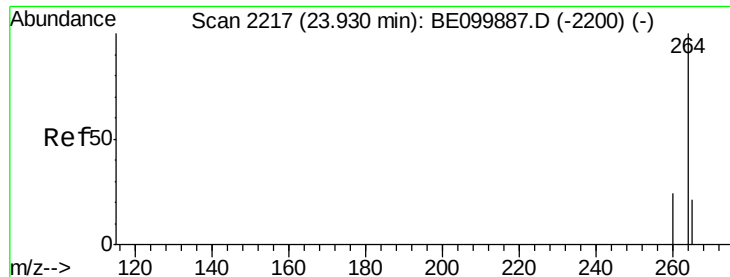


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Instrument :

BNA_E

ClientSampleId :

RE104D3-20190607

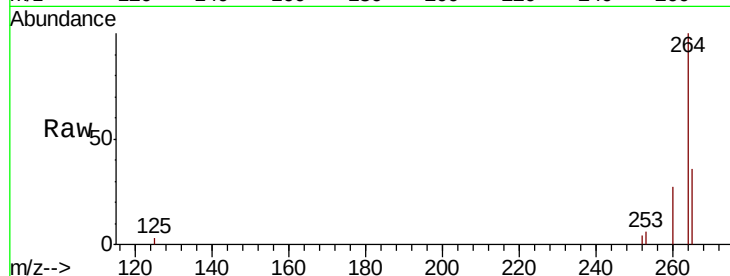
Tgt Ion: 264 Resp: 9972

Ion Ratio Lower Upper

264 100

260 26.6 20.2 30.2

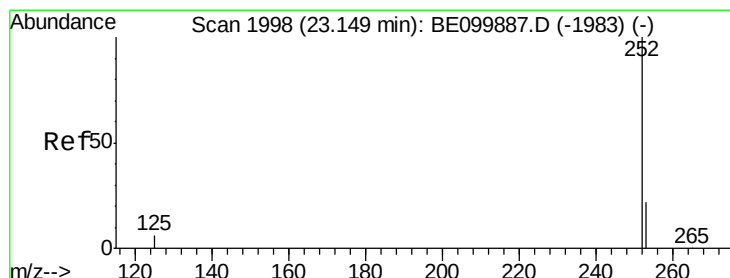
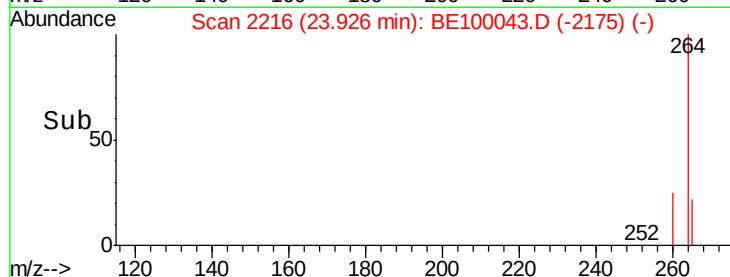
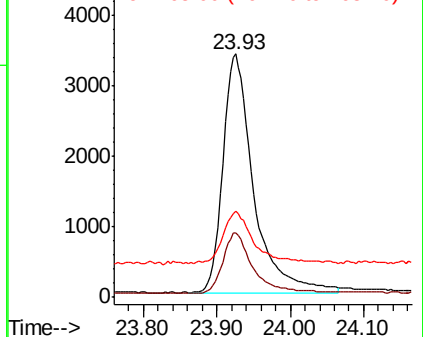
265 35.6 22.0 33.0#



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



#35

Benzo(b)fluoranthene

Concen: 0.025 ng

RT: 23.15 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

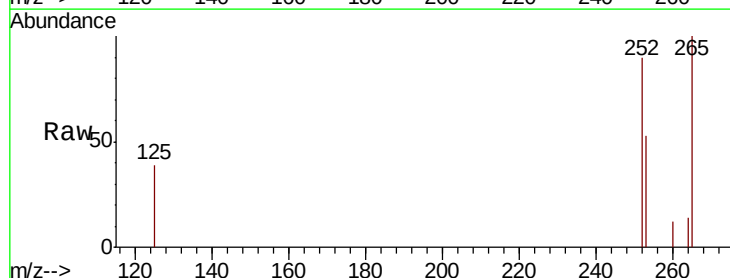
Tgt Ion: 252 Resp: 700

Ion Ratio Lower Upper

252 100

253 59.2 18.7 28.1#

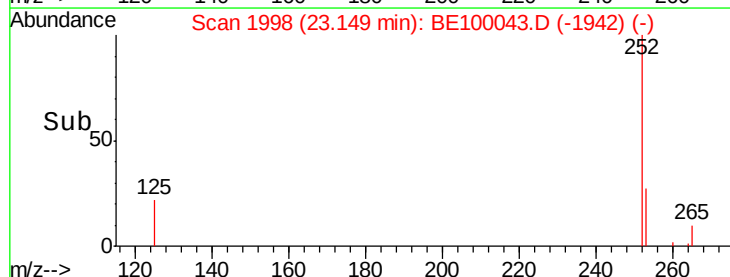
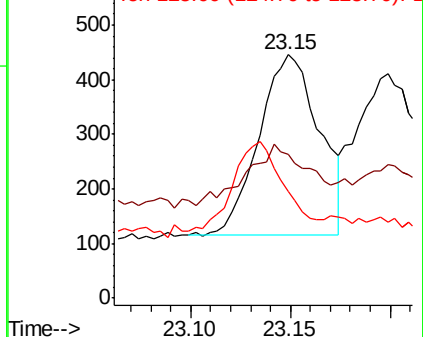
125 43.7 5.7 8.5#

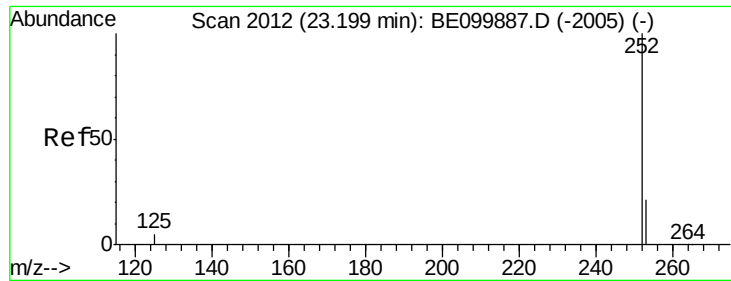


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 0.025 ng

RT: 23.20 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

Instrument :

BNA_E

ClientSampleId :

RE104D3-20190607

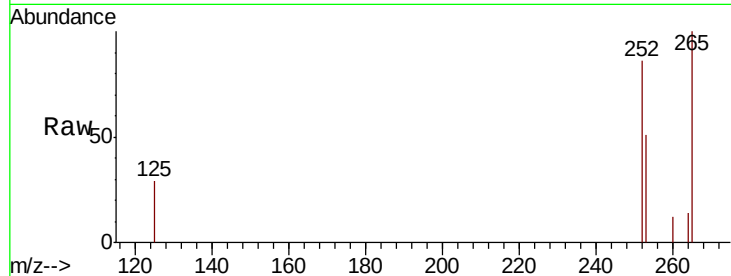
Tgt Ion: 252 Resp: 724

Ion Ratio Lower Upper

252 100

253 59.5 18.6 28.0#

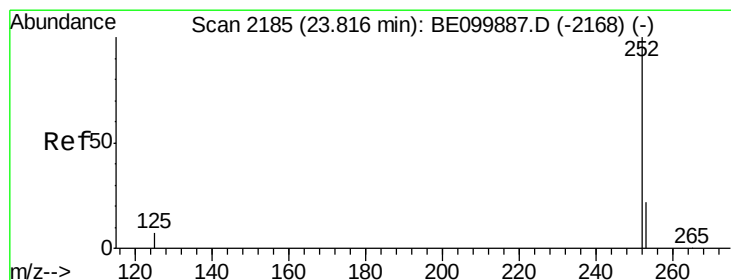
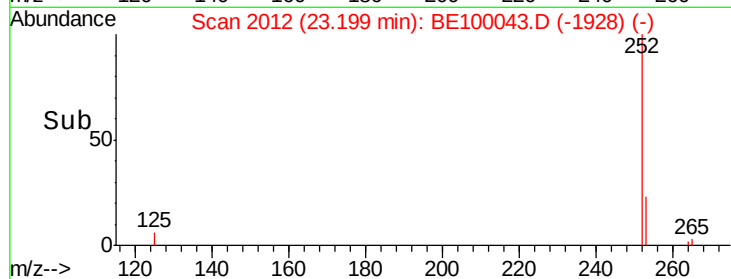
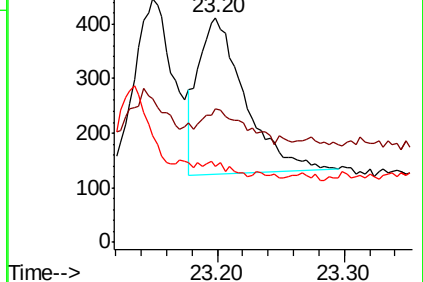
125 34.0 5.4 8.0#



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



#37

Benzo(a)pyrene

Concen: 0.022 ng

RT: 23.82 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BE100043.D

Acq: 15 Jun 2019 3:09

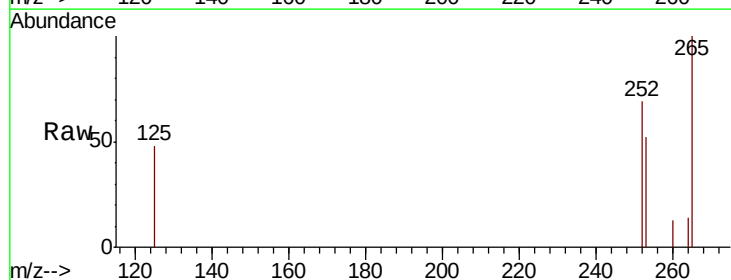
Tgt Ion: 252 Resp: 618

Ion Ratio Lower Upper

252 100

253 74.8 19.6 29.4#

125 70.0 6.6 10.0#



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

