

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061019\
 Data File : BE099898.D
 Acq On : 10 Jun 2019 19:56
 Operator : JU/SJ
 Sample : K3203-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW100-190604

Quant Time: Jun 11 07:25:25 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	753	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	2700	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	2242	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	7184	0.40	ng	0.00
27) Chrysene-d12	21.39	240	10773	0.40	ng	-0.01
34) Perylene-d12	23.92	264	12316	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	394	0.19	ng	0.01
5) Phenol-d6	6.96	99	215	0.08	ng	0.00
8) Nitrobenzene-d5	8.96	82	811	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	1655	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	617	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	2905	0.34	ng	-0.01
25) Fluoranthene-d10	19.25	212	37216	0.36	ng	0.00
29) Terphenyl-d14	19.84	244	9157	0.47	ng	-0.01

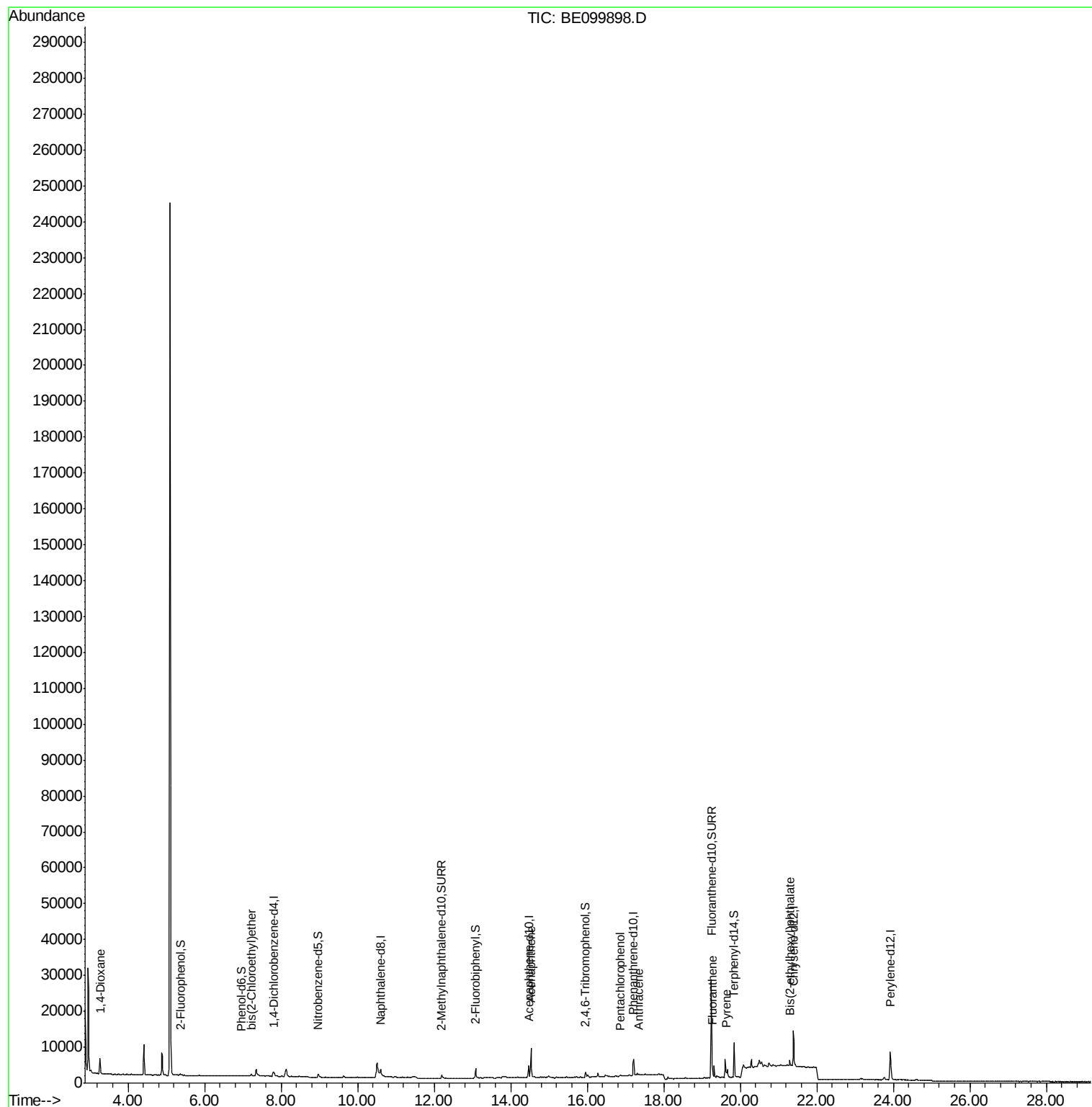
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	3812	3.420	ng	93
6) bis(2-Chloroethyl)ether	7.22	93	378	0.177	ng	# 68
17) Acenaphthene	14.53	154	4098	0.675	ng	99
22) Pentachlorophenol	16.87	266	206	0.403	ng	92
24) Anthracene	17.35	178	556	0.035	ng	# 88
26) Fluoranthene	19.28	202	1133	0.038	ng	# 91
28) Pyrene	19.64	202	1137	0.040	ng	# 82
32) Bis(2-ethylhexyl)phthalate	21.29	149	2156	0.047	ng	# 97

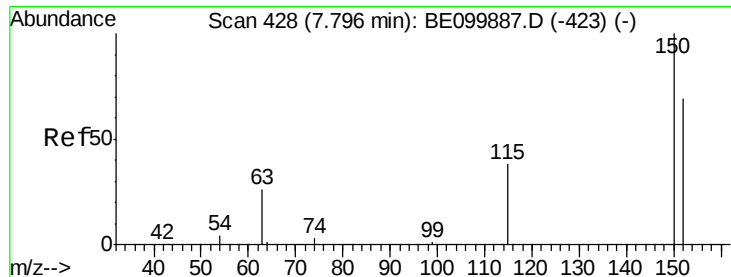
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099898.D

Acq: 10 Jun 2019 19:56

Instrument :

BNA_E

ClientSampleId :

SS043MW100-190604

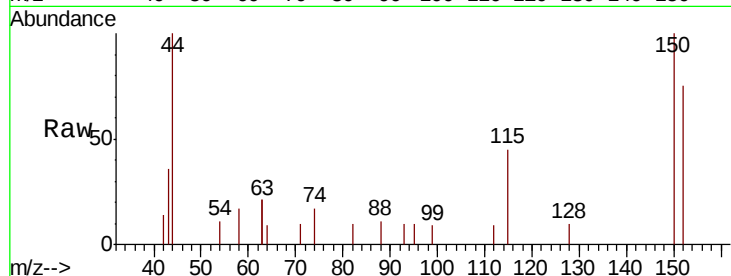
Tot Ion:152 Resp: 753

Ion Ratio Lower Upper

152 100

150 132.9 111.0 166.6

115 60.3 50.7 76.1

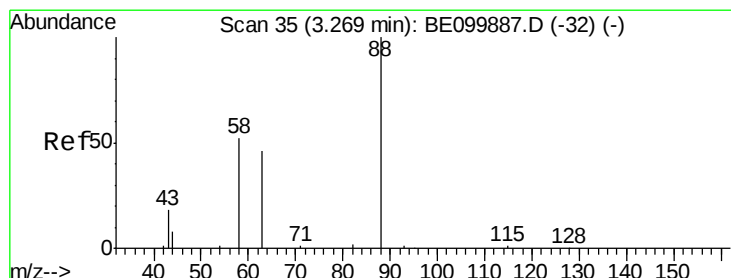
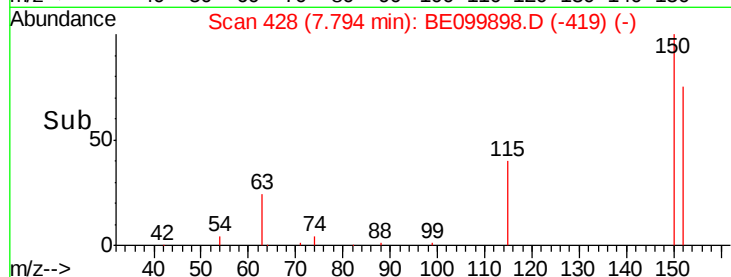
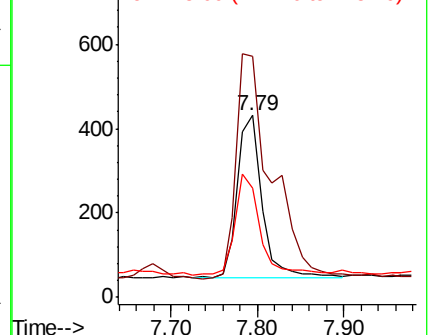


Abundance

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: 3.420 ng

RT: 3.27 min Scan# 35

Delta R.T. -0.00 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

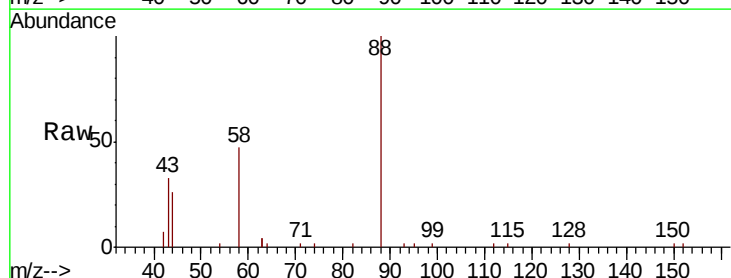
Tgt Ion: 88 Resp: 3812

Ion Ratio Lower Upper

88 100

58 55.0 48.8 73.2

43 21.0 19.0 28.6

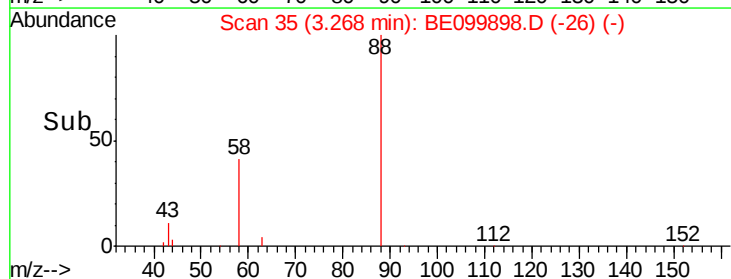
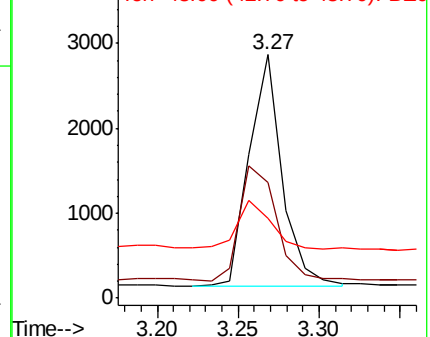


Abundance

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





#4

2-Fluorophenol

Concen: 0.194 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

Instrument :

BNA_E

ClientSampleId :

SS043MW100-190604

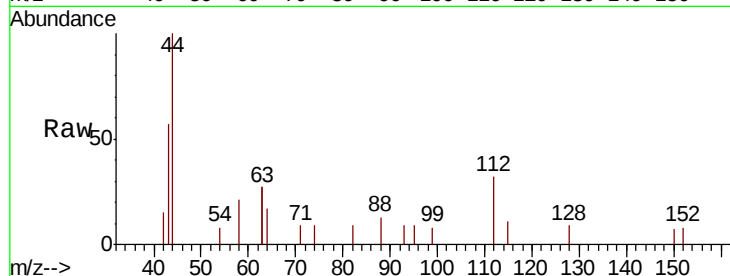
Tot Ion:112 Resp: 394

Ion Ratio Lower Upper

112 100

64 38.3 44.1 66.1#

63 72.8 87.8 131.6#

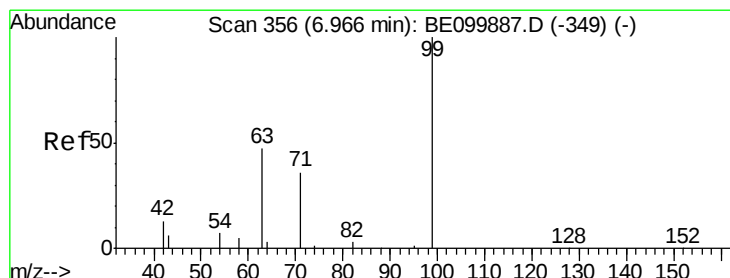
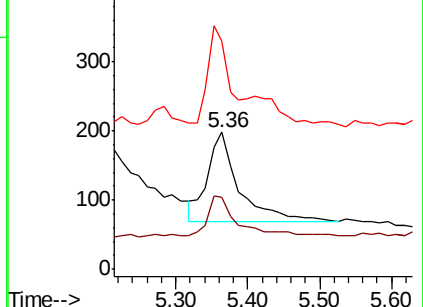
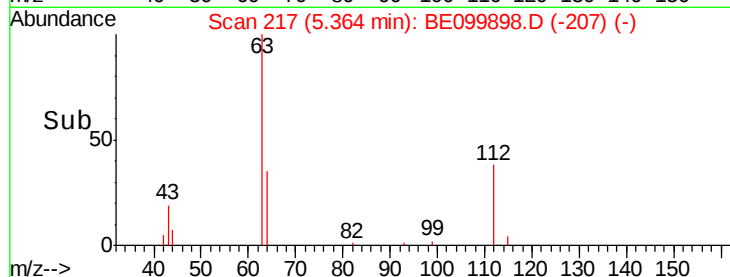


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->



#5

Phenol-d6

Concen: 0.082 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

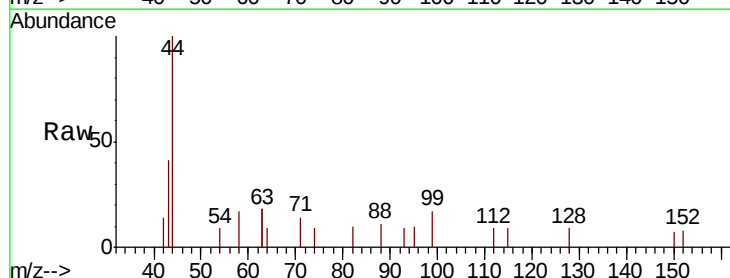
Tgt Ion: 99 Resp: 215

Ion Ratio Lower Upper

99 100

42 20.5 15.9 23.9

71 62.8 34.6 52.0#

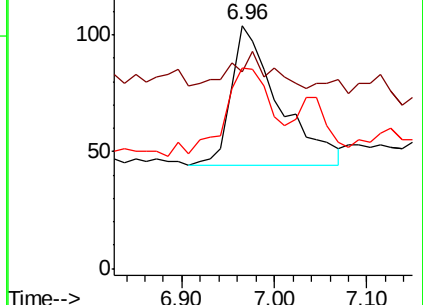
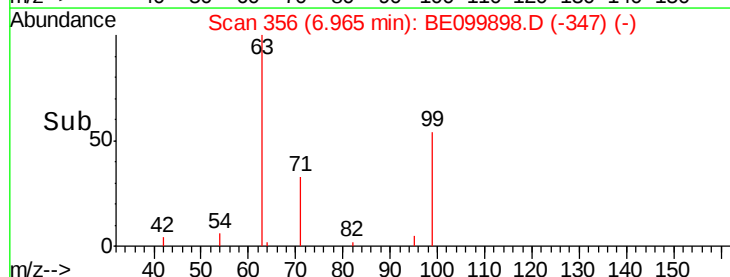


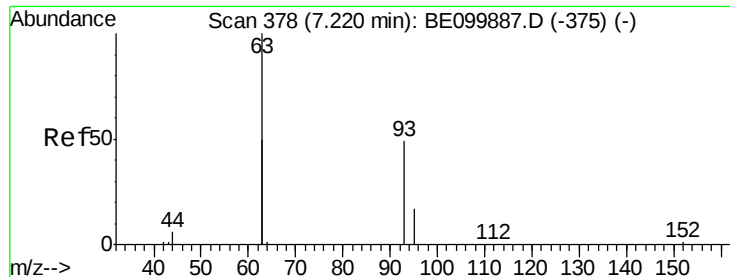
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.177 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.00 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

Instrument :

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ClientSampleId :

SS043MW100-190604

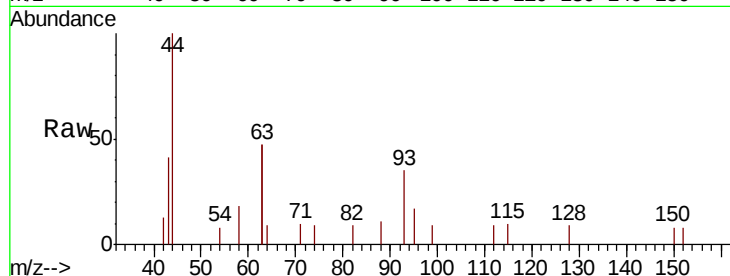
Tot Ion: 93 Resp: 378

Ion Ratio Lower Upper

93 100

63 190.5 202.8 304.2#

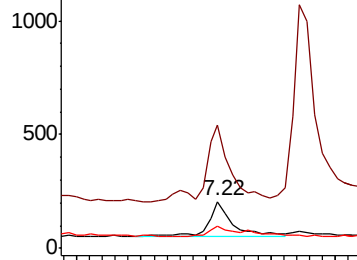
95 29.4 23.7 35.5



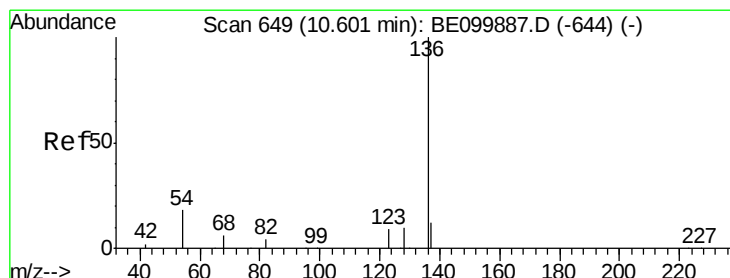
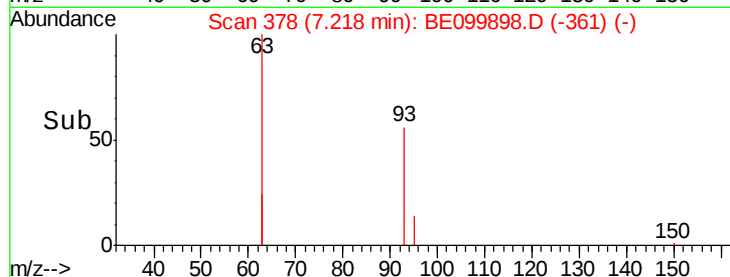
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 7.00 7.10 7.20 7.30 7.40



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

Tgt Ion: 136 Resp: 2700

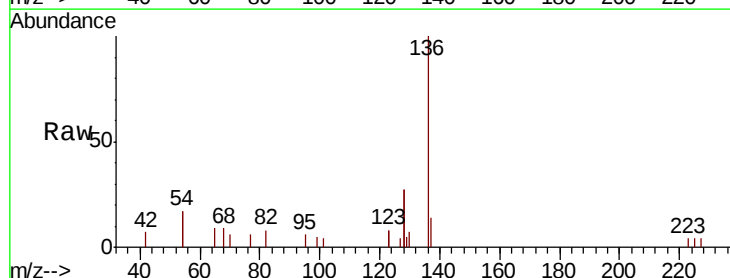
Ion Ratio Lower Upper

136 100

137 14.1 12.3 18.5

54 33.6 28.2 42.4

68 9.5 7.8 11.8

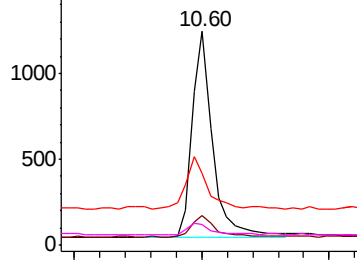


Abundance Ion 136.00 (135.70 to 136.70): E

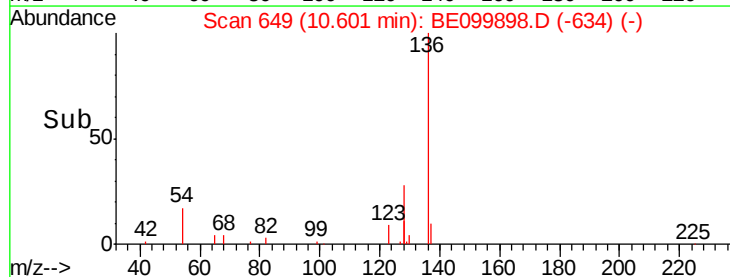
Ion 137.00 (136.70 to 137.70): E

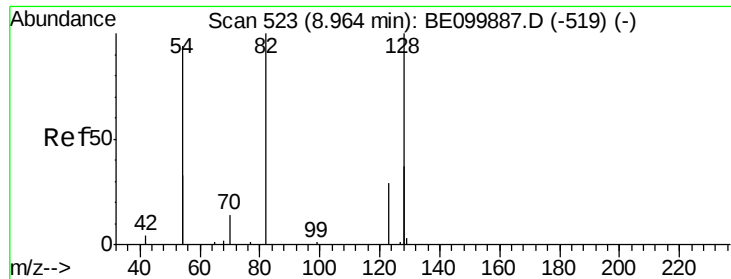
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.40 10.60 10.80





#8

Nitrobenzene-d5

Concen: 0.317 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

Instrument :

BNA_E

ClientSampleId :

SS043MW100-190604

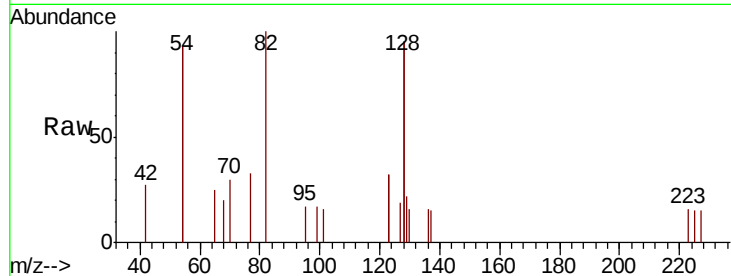
Tot Ion: 82 Resp: 811

Ion Ratio Lower Upper

82 100

128 190.8 137.3 205.9

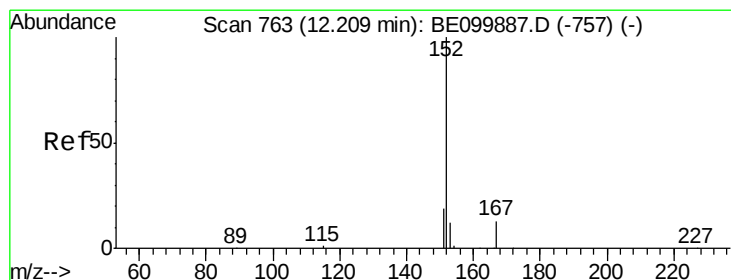
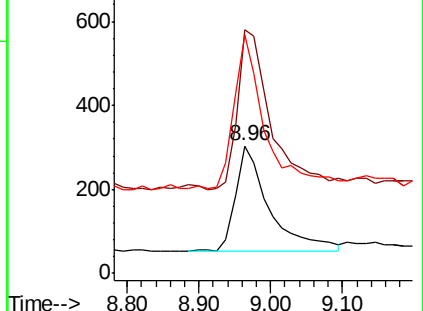
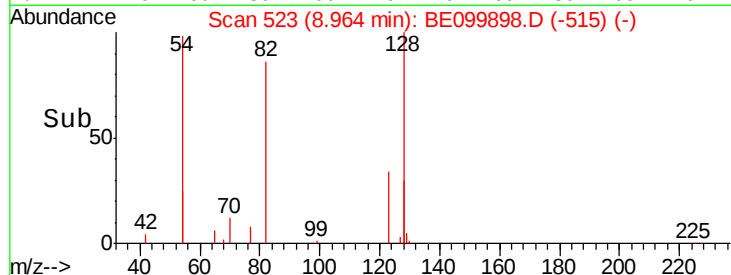
54 186.8 129.7 194.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.351 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.01 min

Lab File: BE099898.D

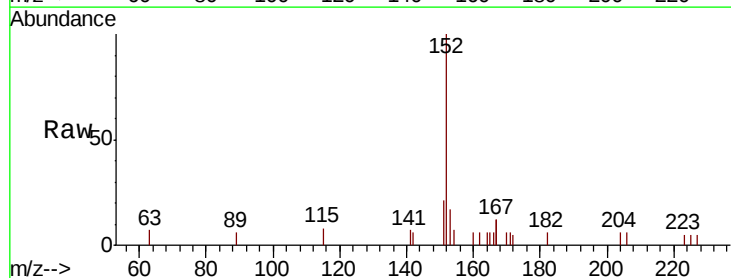
Acq: 10 Jun 2019 19:56

Tgt Ion: 152 Resp: 1655

Ion Ratio Lower Upper

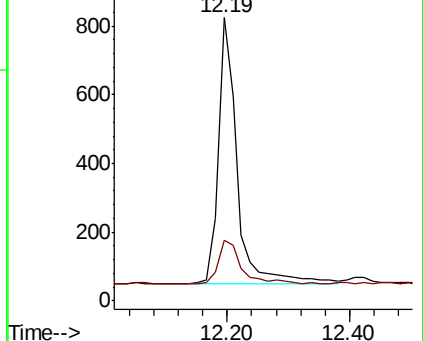
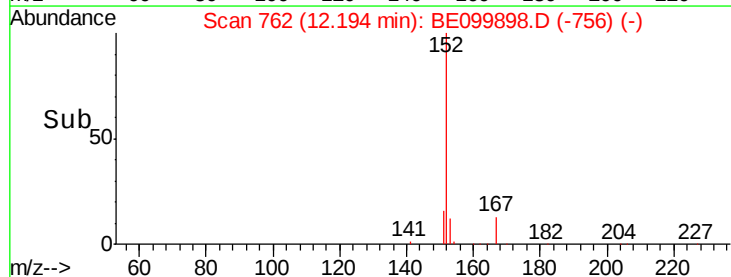
152 100

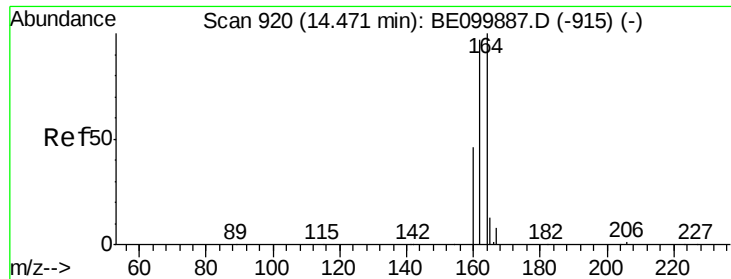
151 19.6 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

Instrument :

BNA_E

ClientSampleId :

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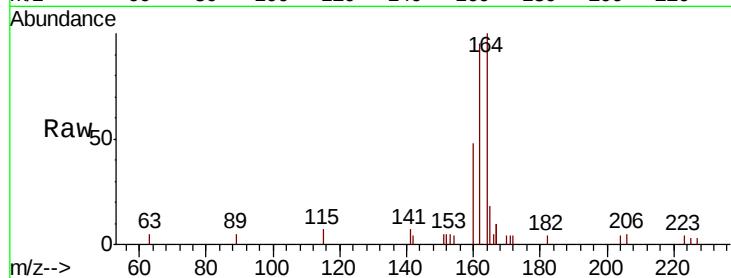
Tot Ion:164 Resp: 2242

Ion Ratio Lower Upper

164 100

162 95.4 77.8 116.8

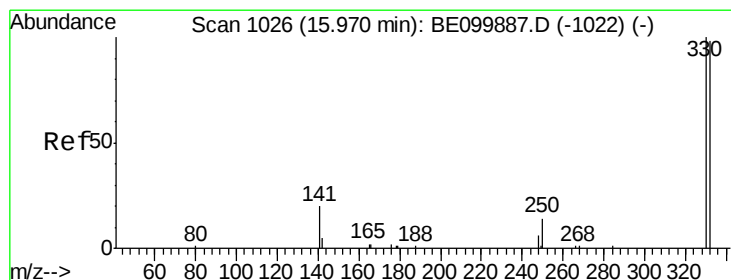
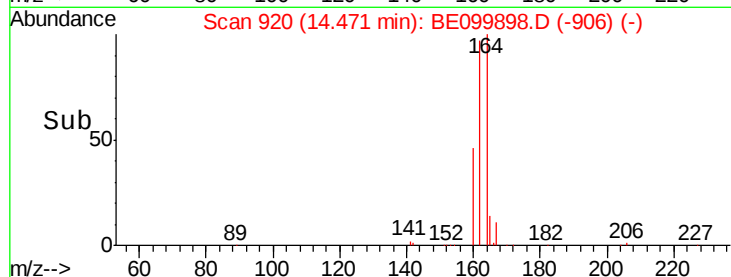
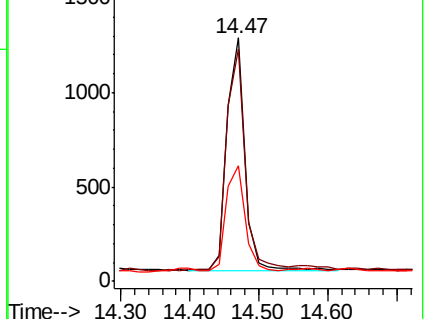
160 47.7 38.2 57.4



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: 0.372 ng

RT: 15.96 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

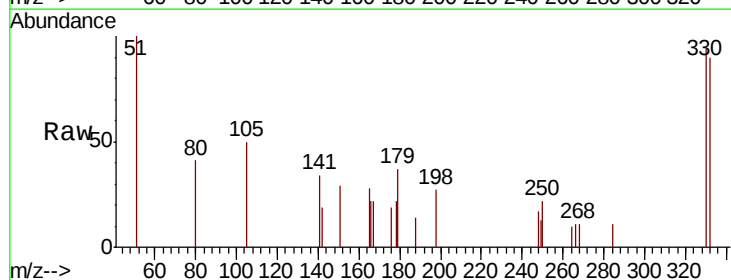
Tgt Ion:330 Resp: 617

Ion Ratio Lower Upper

330 100

332 99.8 76.7 115.1

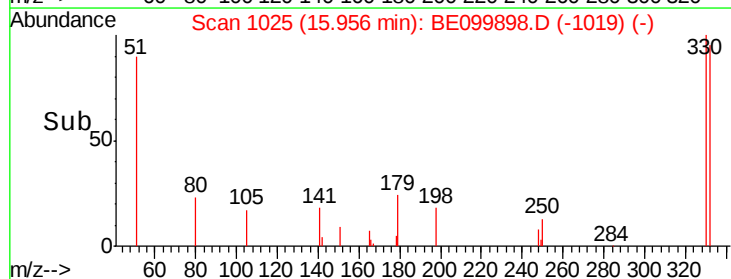
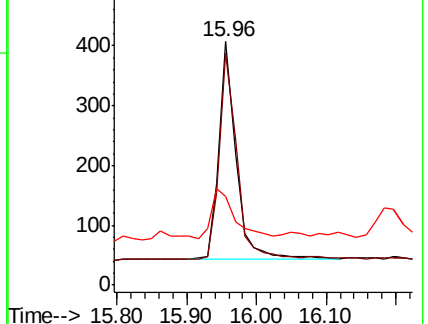
141 32.4 21.0 31.6#

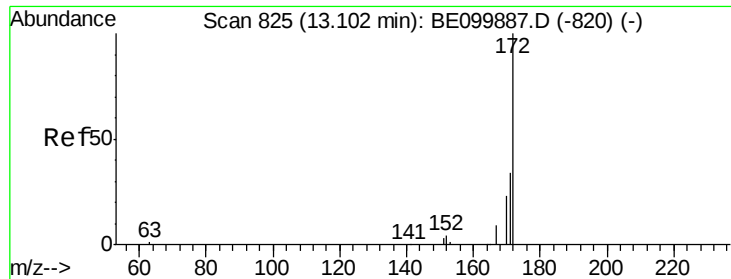


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

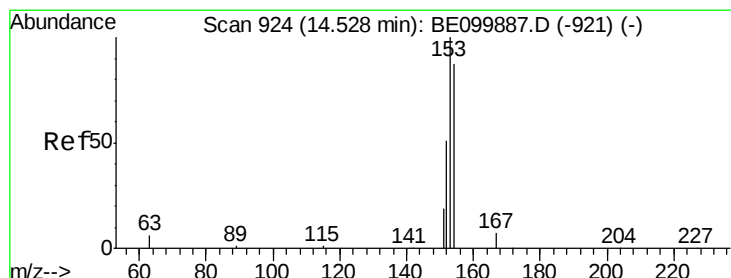
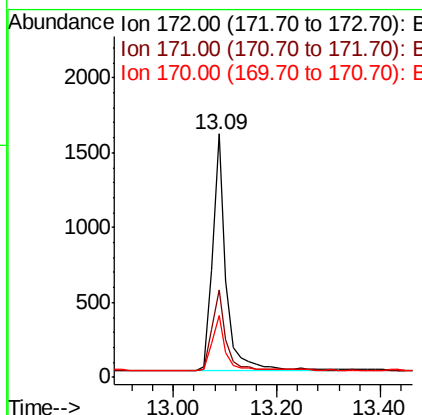
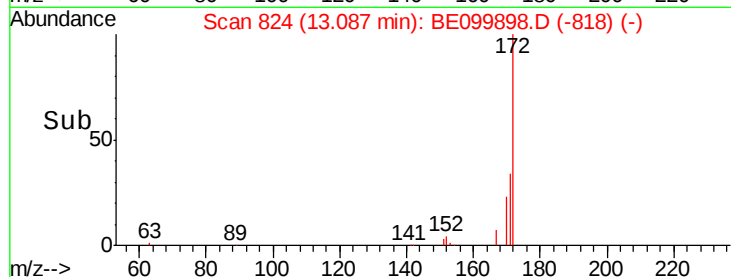
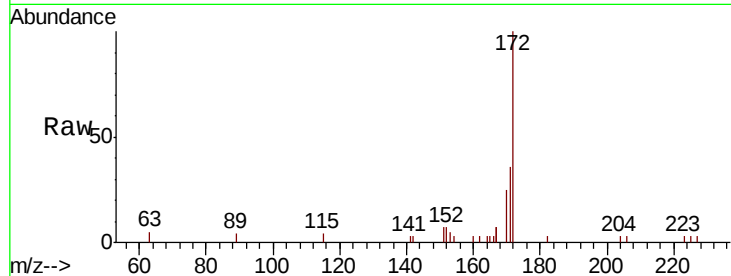




#15
2-Fluorobiphenyl
Concen: 0.342 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099898.D
Acq: 10 Jun 2019 19:56

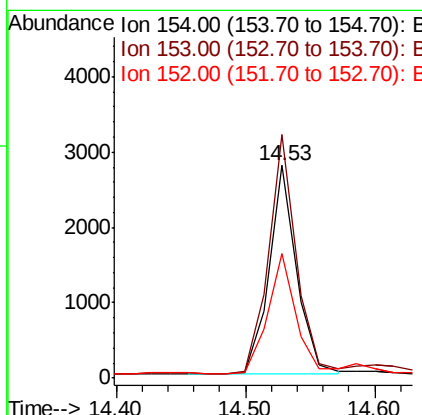
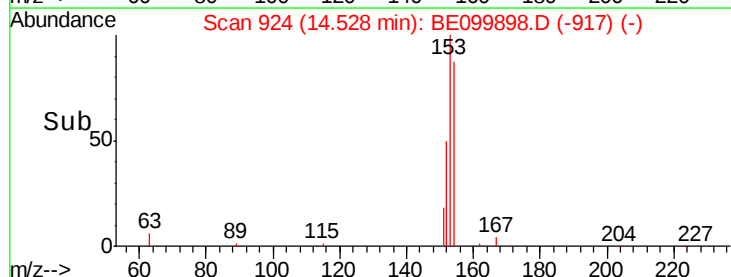
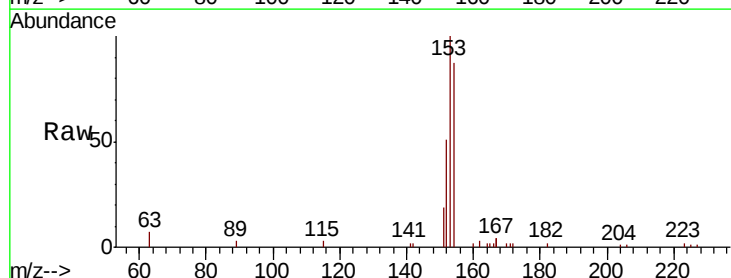
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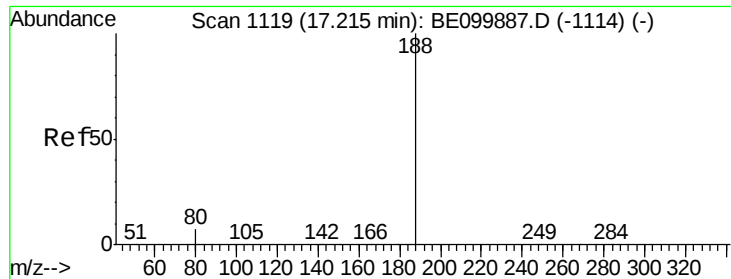
Tot Ion:172 Resp: 2905
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 25.3 21.2 31.8



#17
Acenaphthene
Concen: 0.675 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE099898.D
Acq: 10 Jun 2019 19:56

Tgt Ion:154 Resp: 4098
Ion Ratio Lower Upper
154 100
153 115.6 93.1 139.7
152 59.3 47.0 70.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

Instrument :

BNA_E

ClientSampleId :

SS043MW100-190604

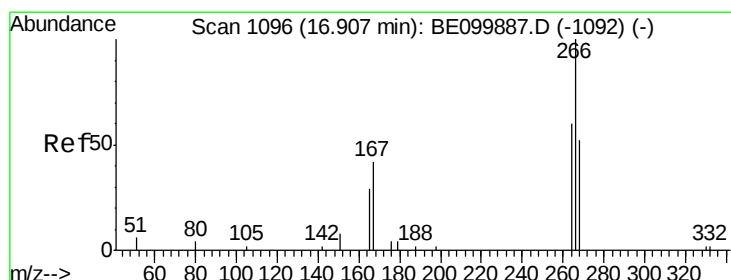
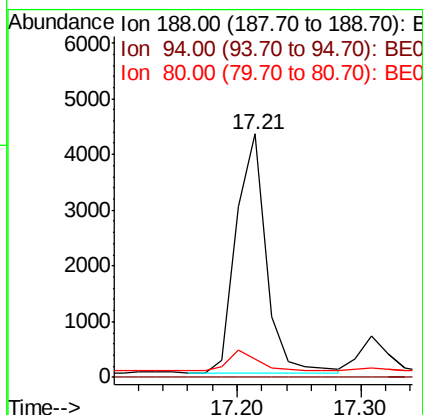
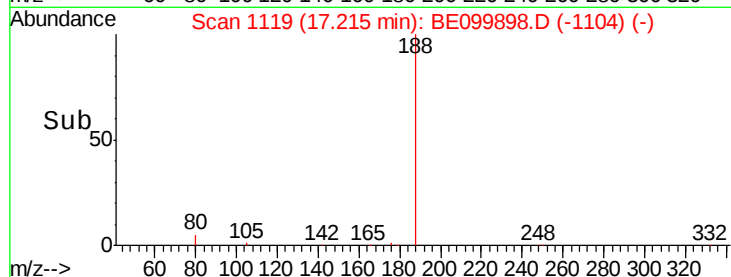
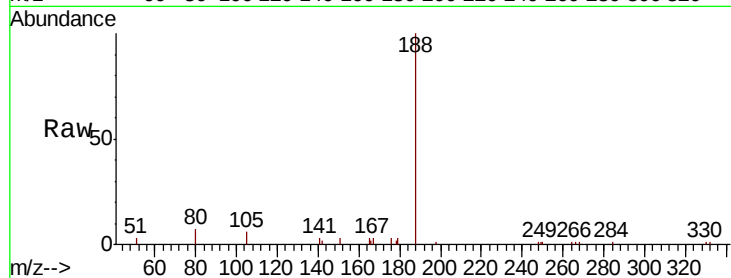
Tot Ion:188 Resp: 7184

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.3 6.4 9.6



#22

Pentachlorophenol

Concen: 0.403 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.04 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

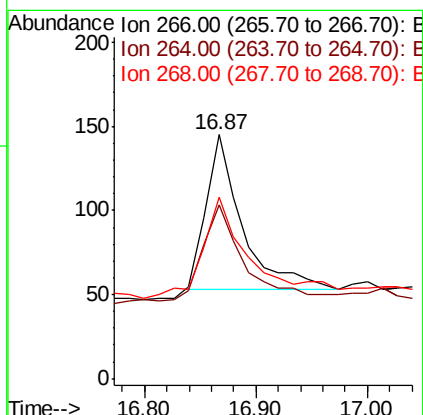
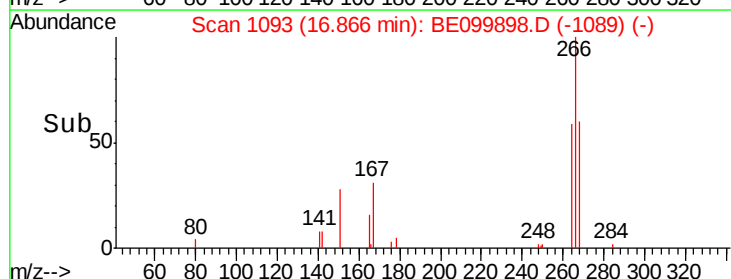
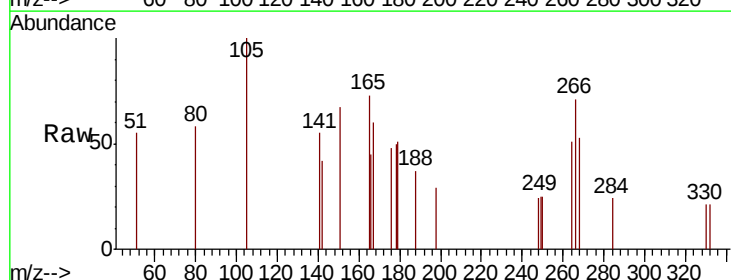
Tgt Ion:266 Resp: 206

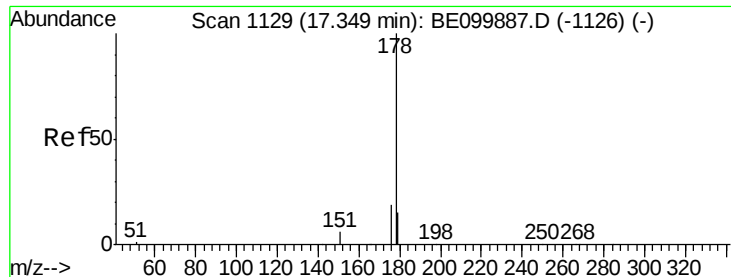
Ion Ratio Lower Upper

266 100

264 71.0 62.2 93.2

268 74.5 65.5 98.3





#24

Anthracene

Concen: 0.035 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

Instrument :

BNA_E

ClientSampleId :

SS043MW100-190604

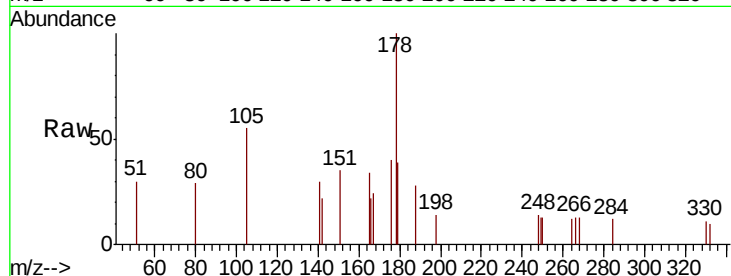
Tot Ion:178 Resp: 556

Ion Ratio Lower Upper

178 100

176 24.6 14.6 22.0#

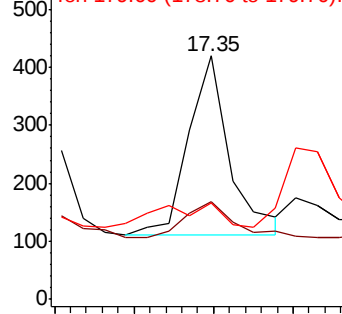
179 19.6 12.3 18.5#



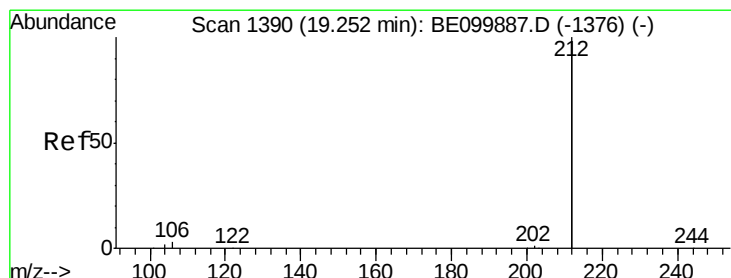
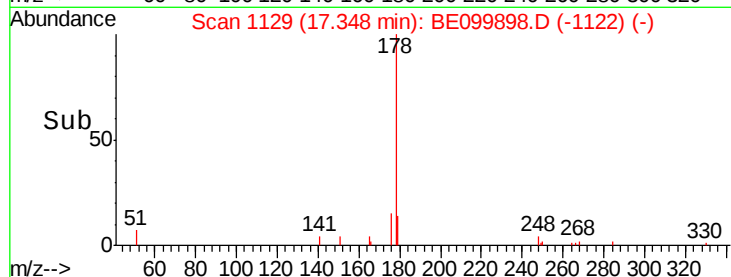
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.25 17.30 17.35 17.40



#25

Fluoranthene-d10

Concen: 0.356 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

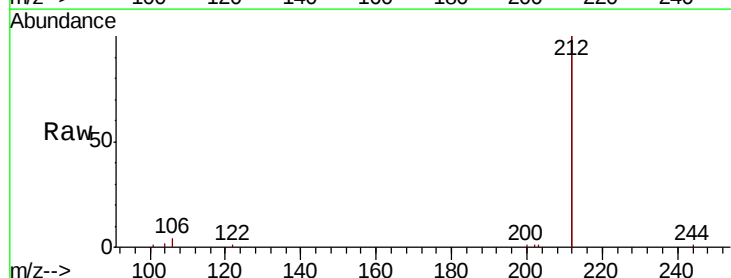
Tgt Ion:212 Resp: 37216

Ion Ratio Lower Upper

212 100

106 2.0 1.4 2.2

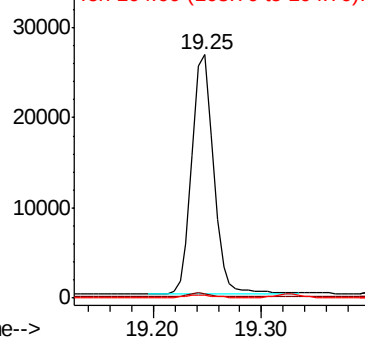
104 1.1 0.9 1.3



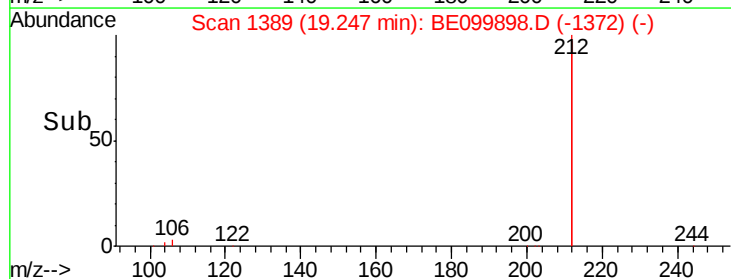
Abundance Ion 212.00 (211.70 to 212.70): E

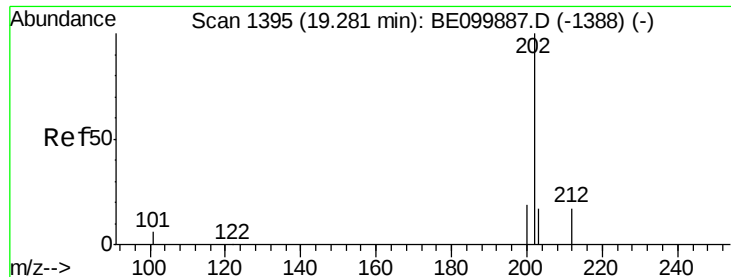
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 19.20 19.30

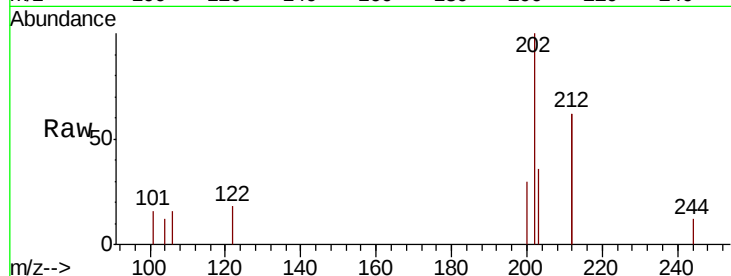




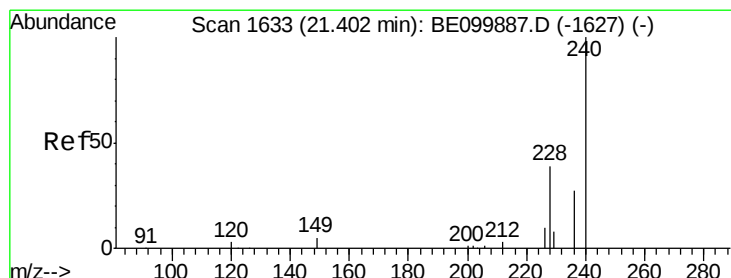
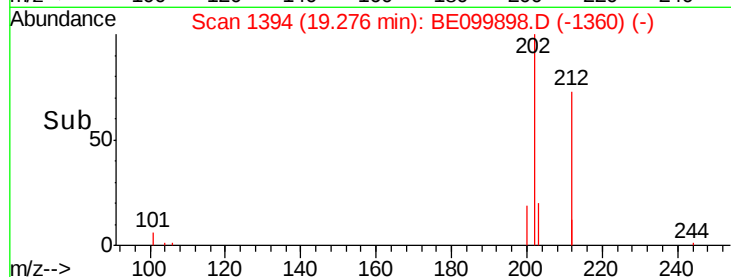
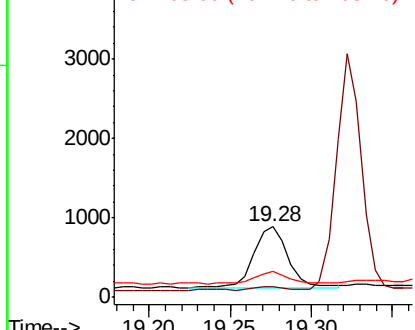
#26
Fluoranthene
Concen: 0.038 ng
RT: 19.28 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BE099898.D
Acq: 10 Jun 2019 19:56

Instrument :
BNA_E
ClientSampleId :
SS043MW100-190604

Tot Ion:202 Resp: 1133
Ion Ratio Lower Upper
202 100
101 9.6 5.4 8.0#
203 20.5 13.2 19.8#

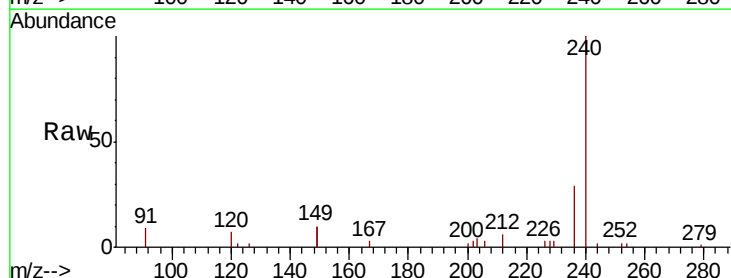


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

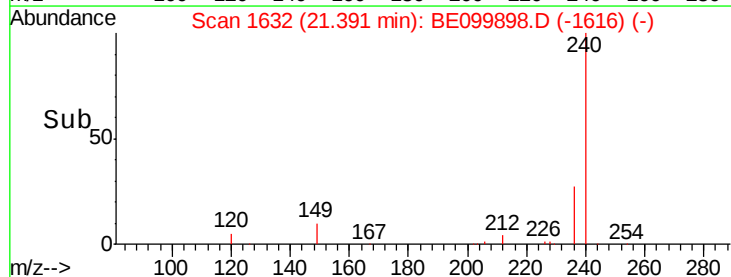
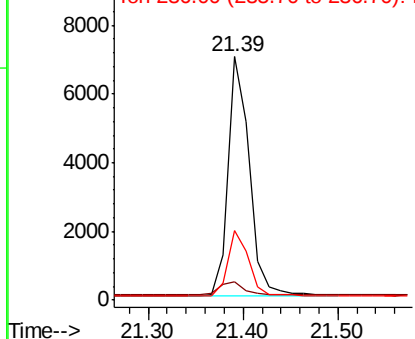


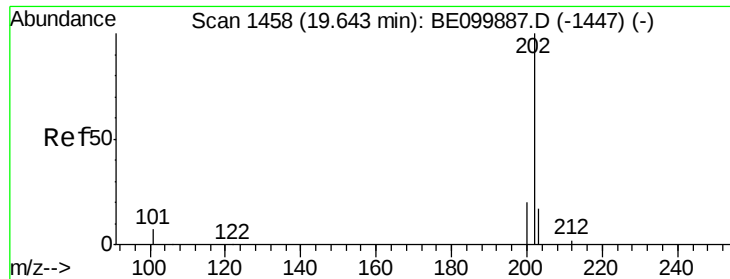
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099898.D
Acq: 10 Jun 2019 19:56

Tgt Ion:240 Resp: 10773
Ion Ratio Lower Upper
240 100
120 7.5 3.8 5.6#
236 28.6 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

Pvrene

Concen: 0.040 ng

RT: 19.64 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

Instrument :

BNA_E

ClientSampleId :

SS043MW100-190604

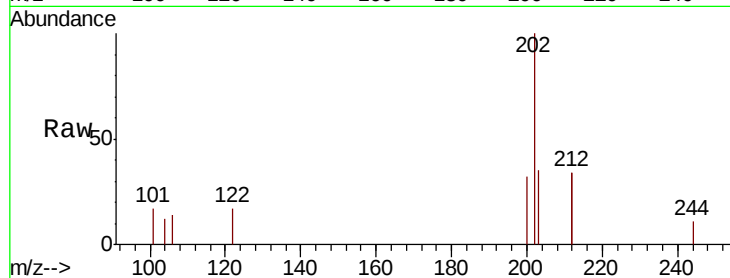
Tot Ion:202 Resp: 1137

Ion Ratio Lower Upper

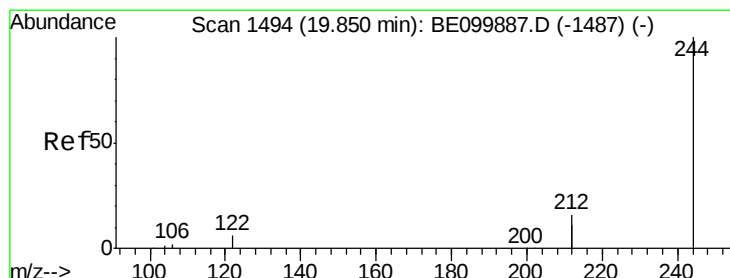
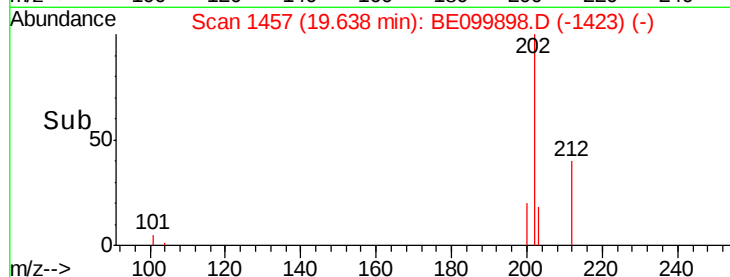
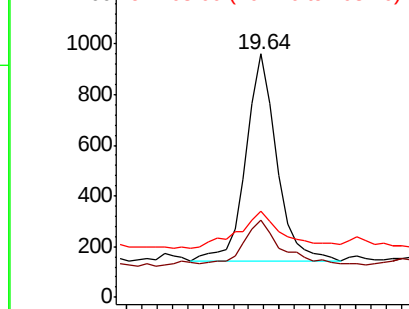
202 100

200 28.1 15.5 23.3#

203 24.6 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: 0.472 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE099898.D

Acq: 10 Jun 2019 19:56

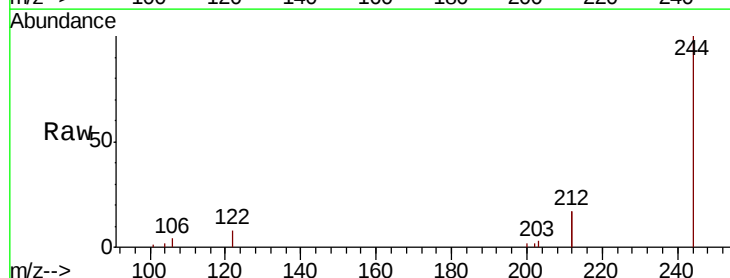
Tgt Ion:244 Resp: 9157

Ion Ratio Lower Upper

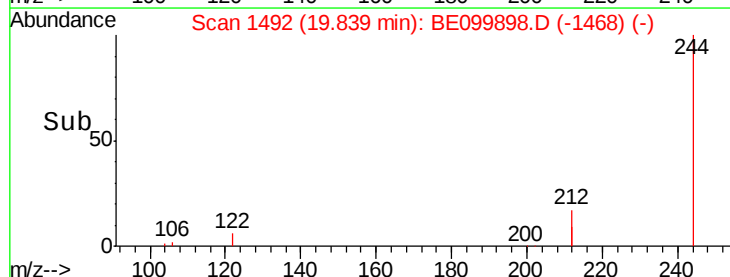
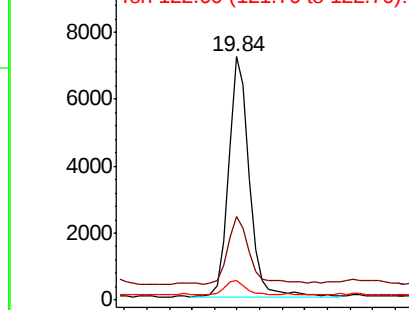
244 100

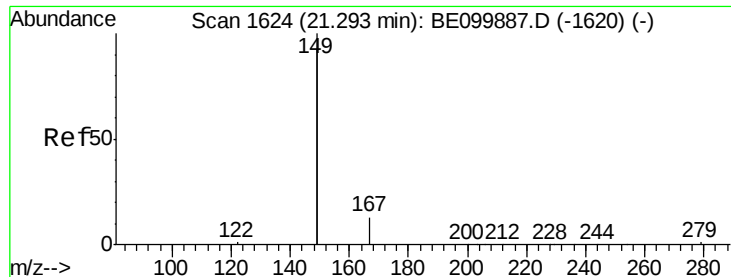
212 34.1 25.7 38.5

122 7.8 5.5 8.3



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

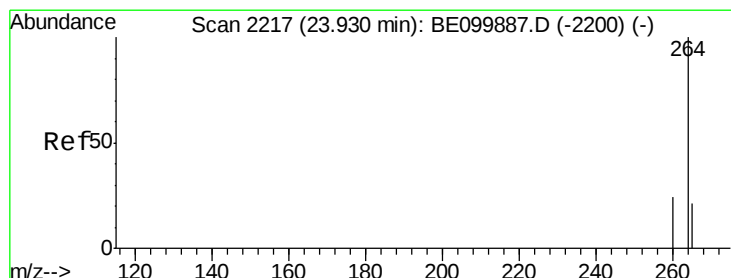
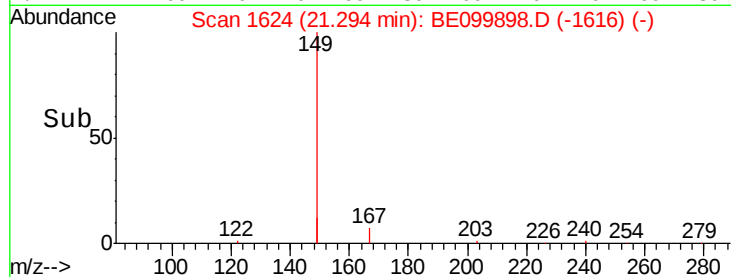
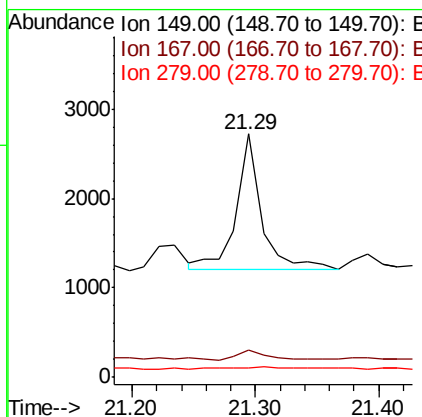
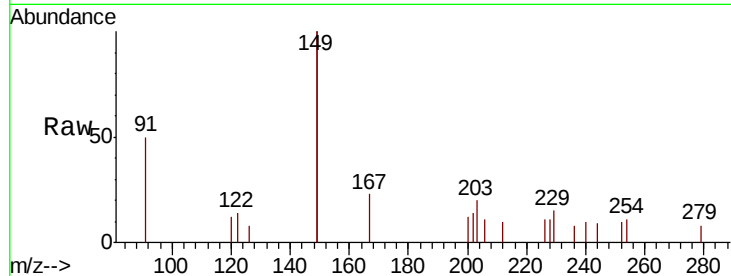




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.047 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BE099898.D
 Acq: 10 Jun 2019 19:56

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW100-190604

Tot Ion:149 Resp: 2156
 Ion Ratio Lower Upper
 149 100
 167 8.4 5.9 8.9
 279 3.4 1.2 1.8#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.92 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: BE099898.D
 Acq: 10 Jun 2019 19:56

Tgt Ion:264 Resp: 12316
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.2 30.2
 265 26.5 22.0 33.0

