

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
 Data File : BE100892.D
 Acq On : 13 Dec 2019 18:20
 Operator : JU
 Sample : K6251-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE139D1-20191206

Quant Time: Dec 14 03:07:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 13 10:42:38 2019
 Response via : Initial Calibration

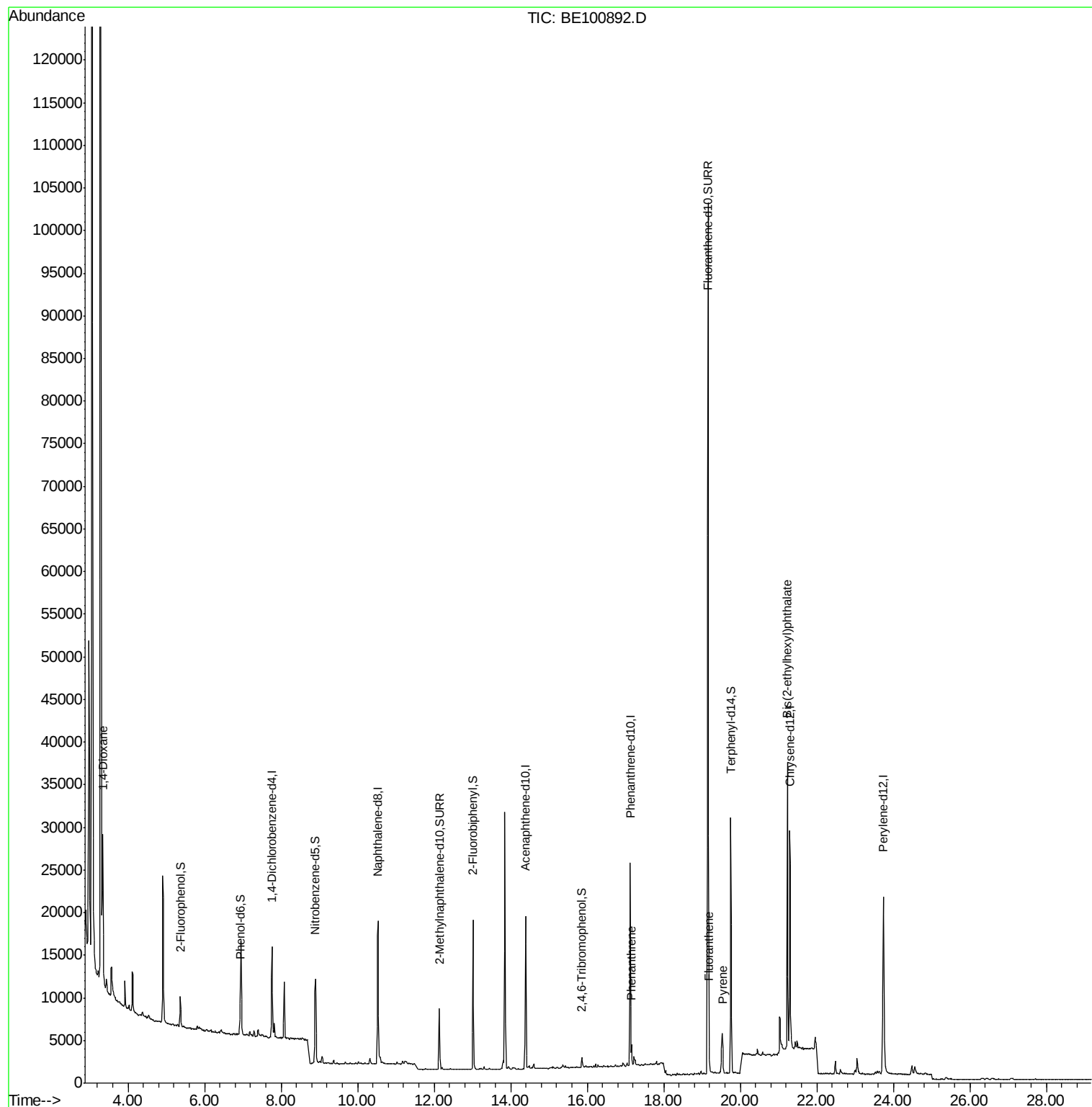
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4763	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	20704	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	11642	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	30780	0.40	ng	0.00
27) Chrysene-d12	21.29	240	28231	0.40	ng	-0.01
34) Perylene-d12	23.74	264	31493	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	1699	0.15	ng	-0.01
5) Phenol-d6	6.93	99	1842	0.11	ng	0.00
8) Nitrobenzene-d5	8.90	82	4413	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	10389	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	692	0.53	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	14911	0.32	ng	0.00
25) Fluoranthene-d10	19.16	212	133775	0.37	ng	0.00
29) Terphenyl-d14	19.76	244	26318	0.39	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.34	88	10101	1.163	ng	Qvalue # 83
23) Phenanthrene	17.16	178	2400	0.026	ng	98
26) Fluoranthene	19.18	202	3215	0.029	ng	96
28) Pyrene	19.54	202	2586	0.028	ng	# 95
32) Bis(2-ethylhexyl)phthalate	21.23	149	35391	0.600	ng	99

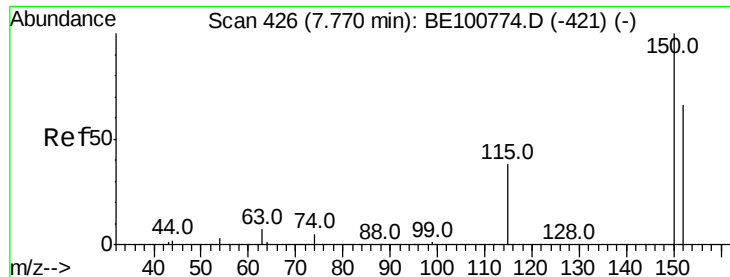
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 03:07:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 10:42:38 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. 0.00 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

Instrument :

BNA_E

ClientSampleId :

RE139D1-20191206

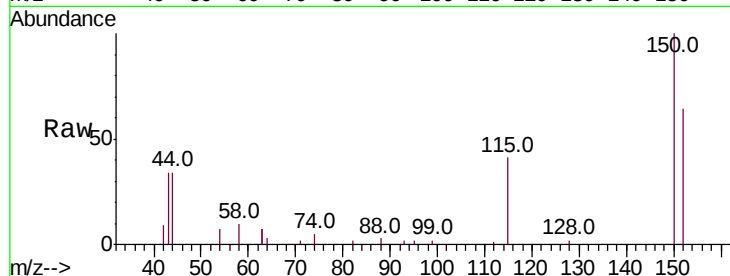
Tot Ion:152 Resp: 4763

Ion Ratio Lower Upper

152 100

150 157.2 125.5 188.3

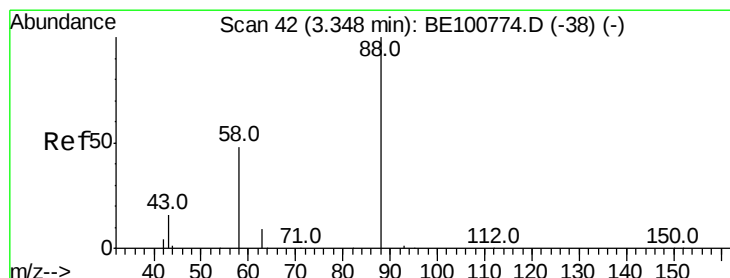
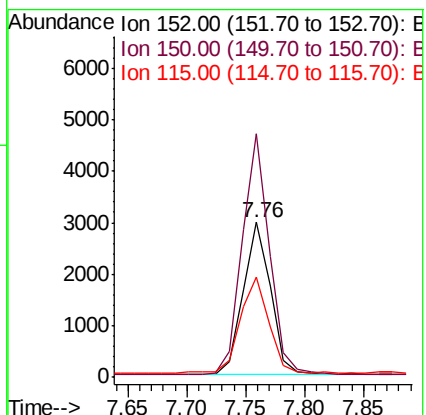
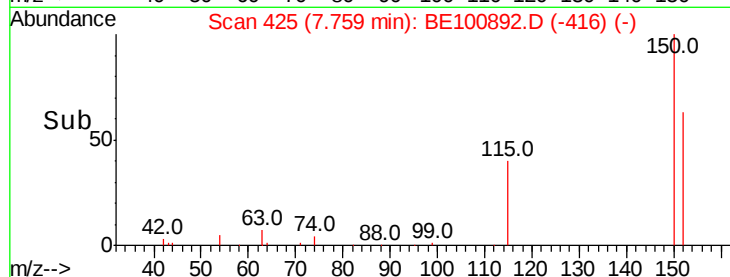
115 64.9 55.7 83.5



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: 1.163 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

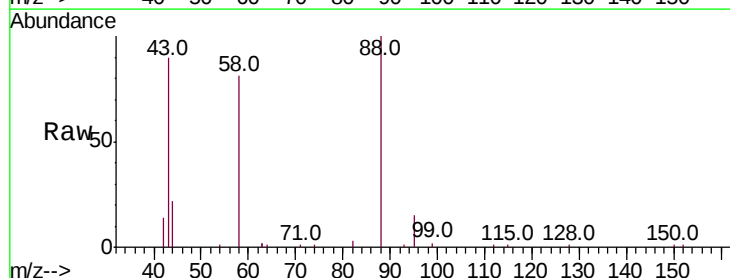
Tgt Ion: 88 Resp: 10101

Ion Ratio Lower Upper

88 100

58 73.7 52.3 78.5

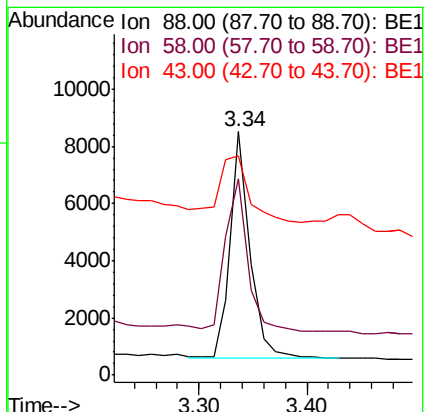
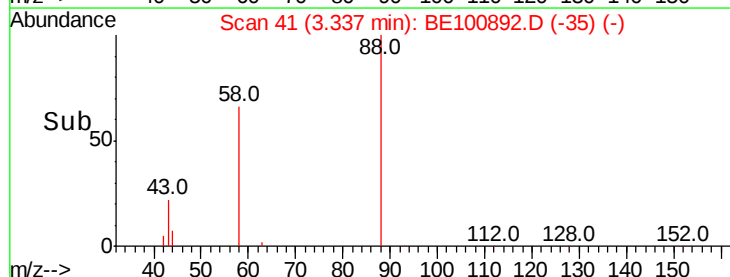
43 45.9 23.5 35.3#

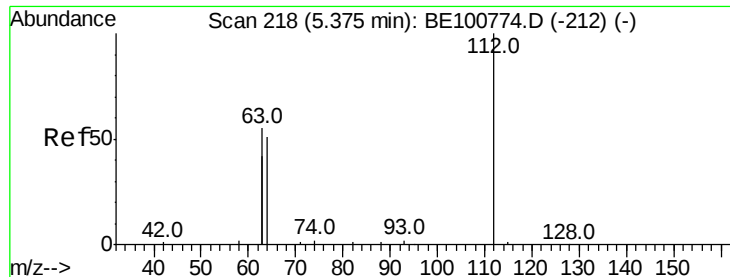


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.150 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

Instrument :

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RE139D1-20191206

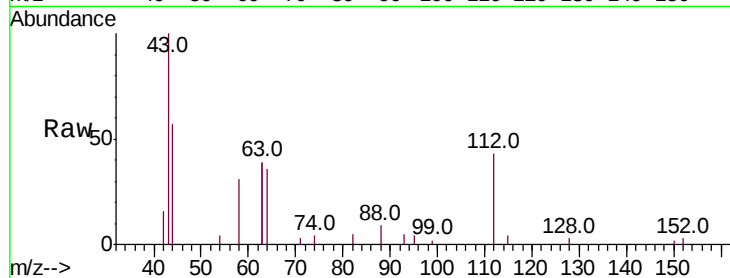
Tot Ion:112 Resp: 1699

Ion Ratio Lower Upper

112 100

64 72.2 54.5 81.7

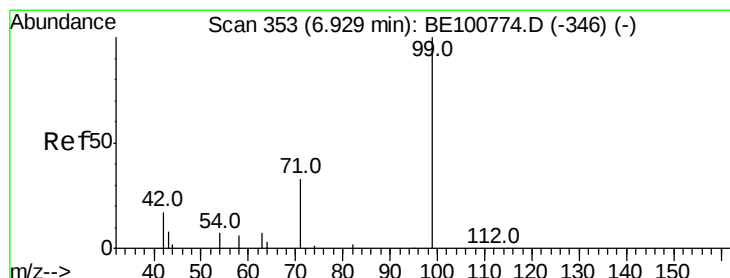
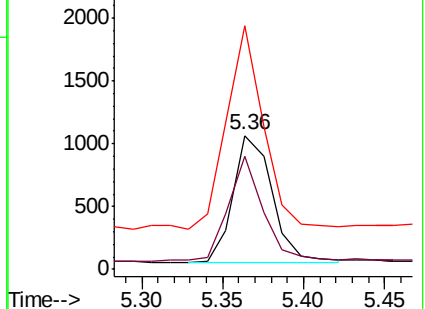
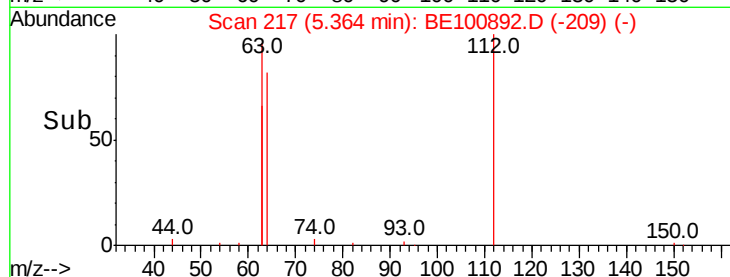
63 153.4 116.1 174.1



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.108 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

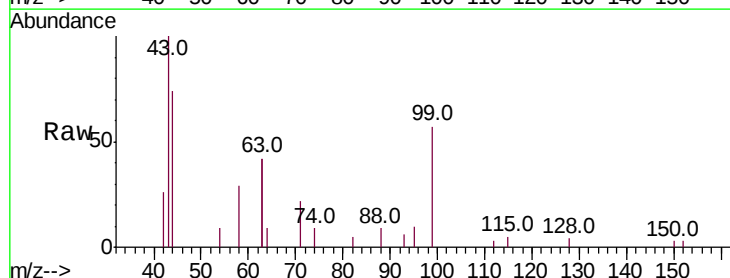
Tgt Ion: 99 Resp: 1842

Ion Ratio Lower Upper

99 100

42 47.9 18.2 27.2#

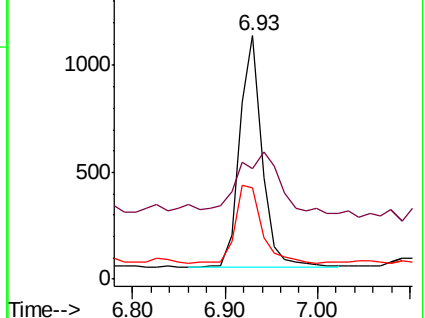
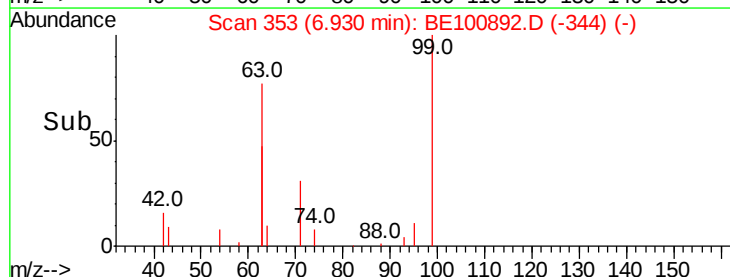
71 0.0 29.1 43.7#

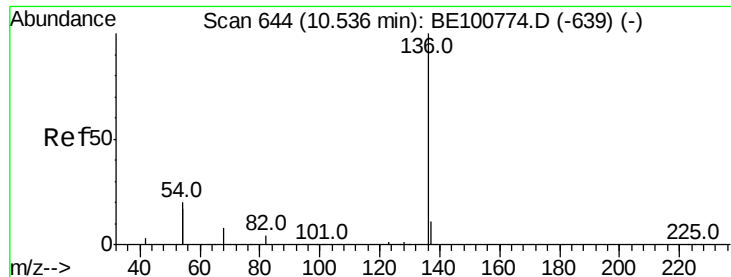


Abundance Ion 99.00 (98.70 to 99.70): BE1

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: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

Instrument :

BNA_E

ClientSampleId :

RE139D1-20191206

Tot Ion:136 Resp: 20704

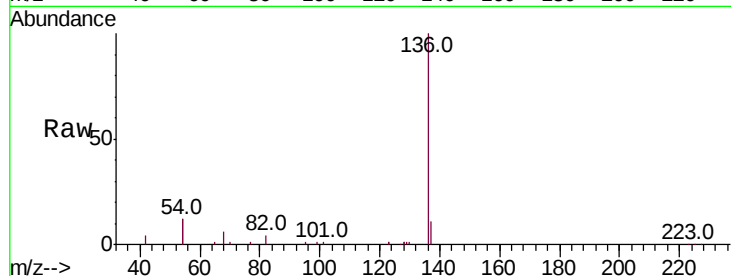
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 24.0 18.9 28.3

68 5.7 4.6 6.8

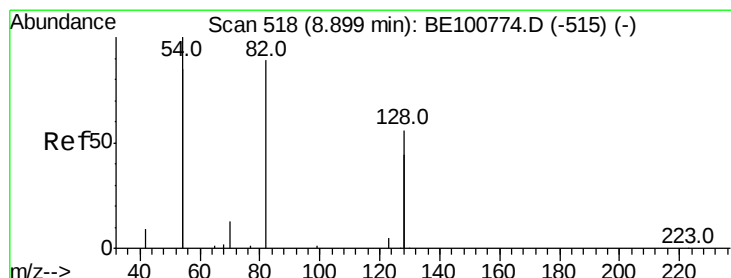
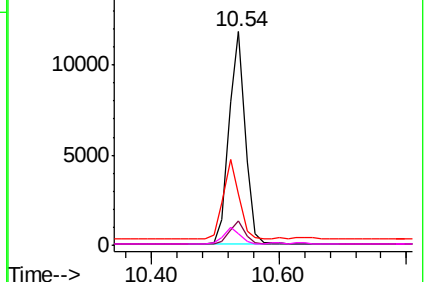
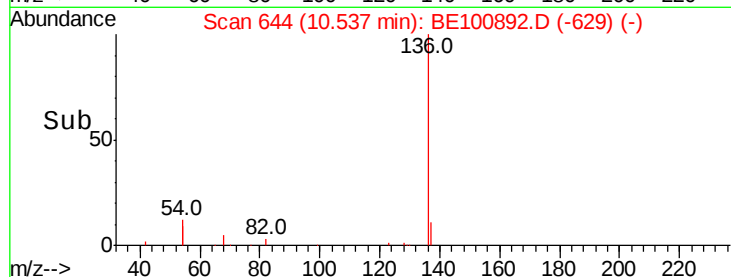


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.448 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

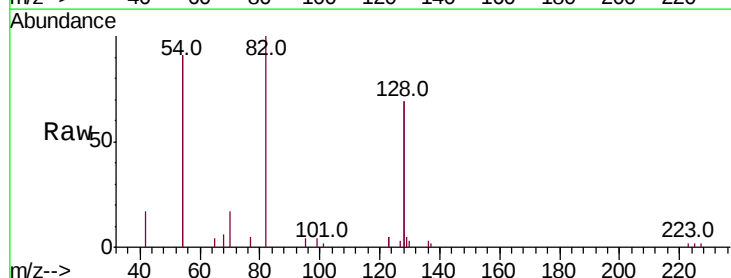
Tgt Ion: 82 Resp: 4413

Ion Ratio Lower Upper

82 100

128 137.2 113.5 170.3

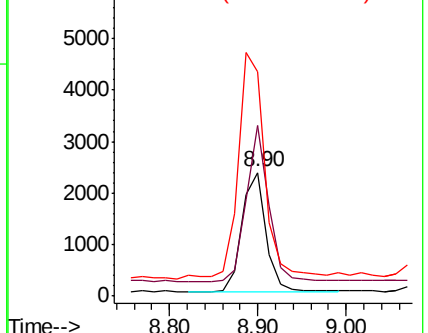
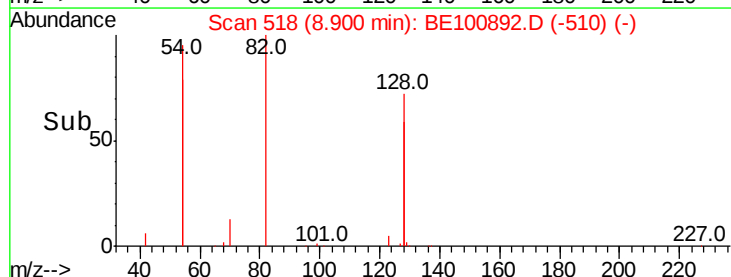
54 181.5 138.9 208.3

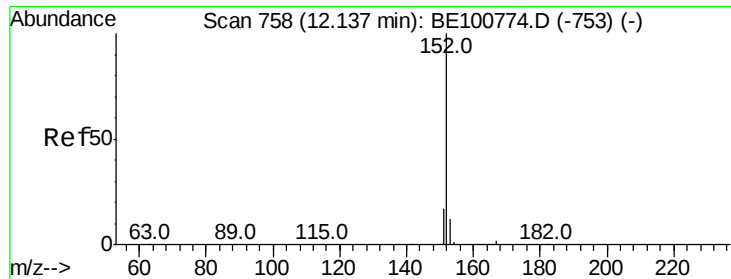


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

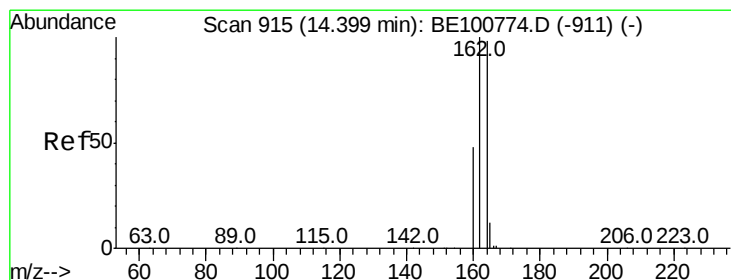
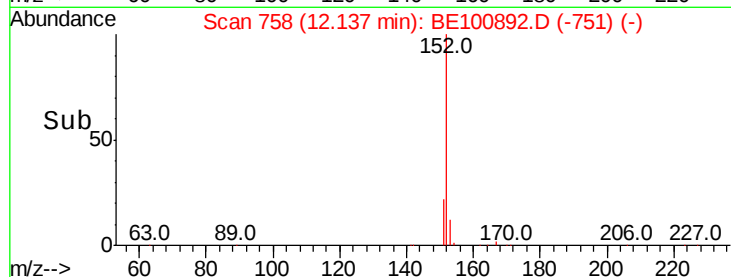
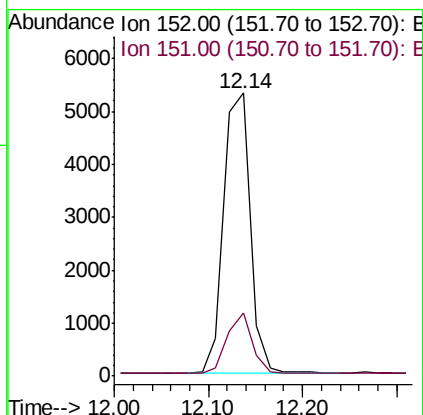
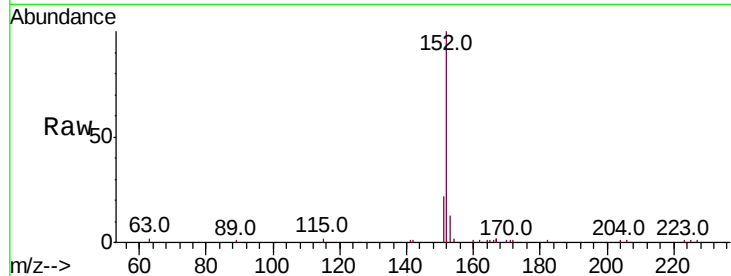




#11
 2-Methylnaphthalene-d10
 Concen: 0.346 ng
 RT: 12.14 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BE100892.D
 Acq: 13 Dec 2019 18:20

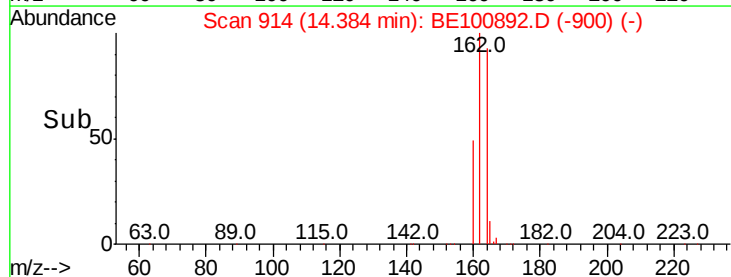
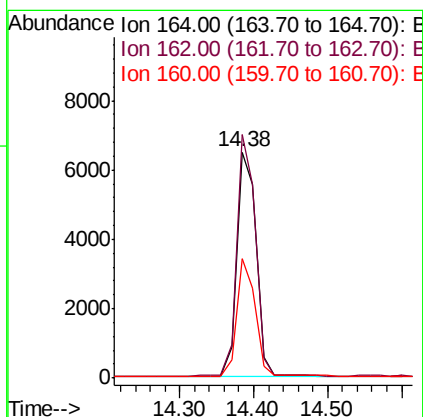
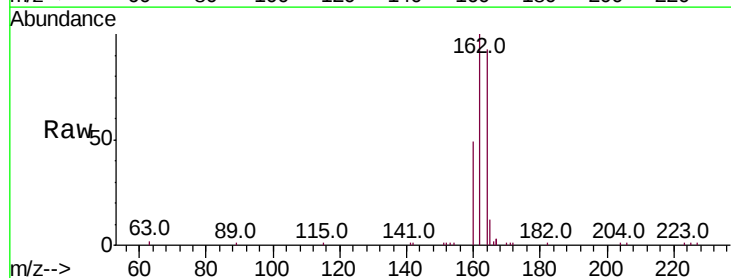
Instrument :
 BNA_E
 ClientSampleId :
 RE139D1-20191206

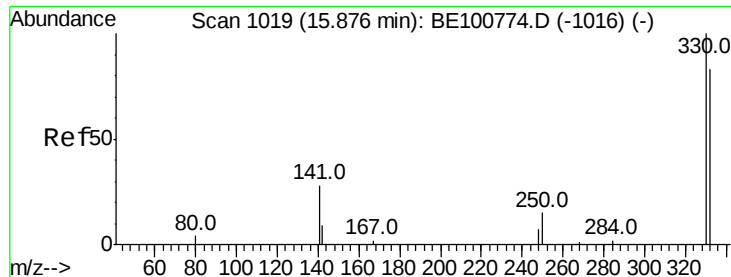
Tot Ion:152 Resp: 10389
 Ion Ratio Lower Upper
 152 100
 151 20.5 15.1 22.7



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.38 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BE100892.D
 Acq: 13 Dec 2019 18:20

Tgt Ion:164 Resp: 11642
 Ion Ratio Lower Upper
 164 100
 162 107.8 86.0 129.0
 160 52.9 42.3 63.5

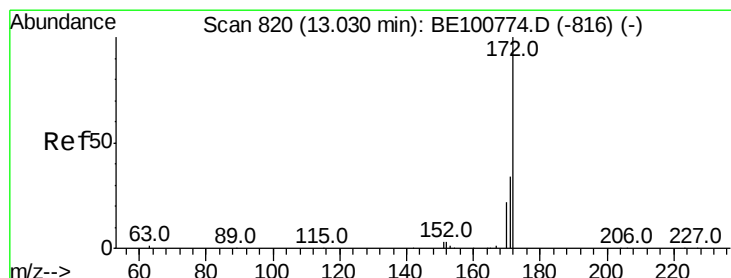
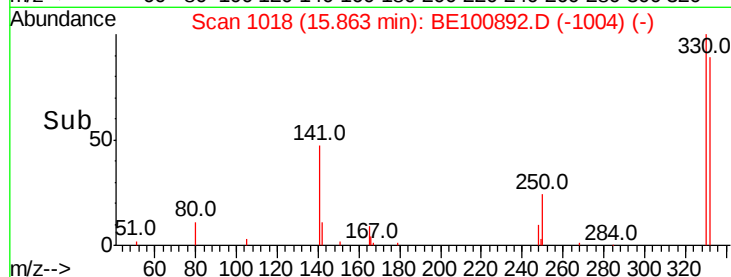
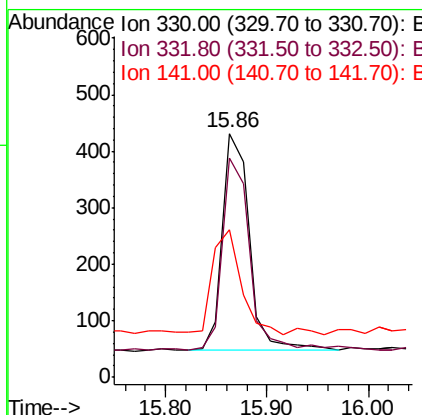
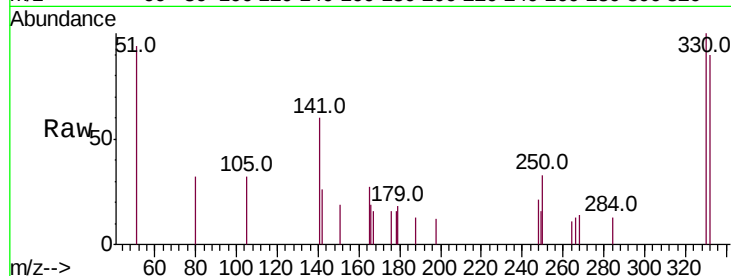




#14
 2,4,6-Tribromophenol
 Concen: 0.534 ng
 RT: 15.86 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BE100892.D
 Acq: 13 Dec 2019 18:20

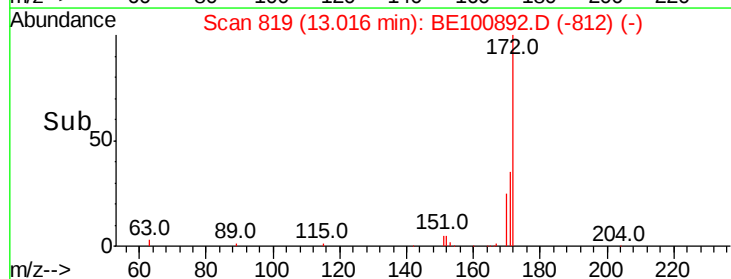
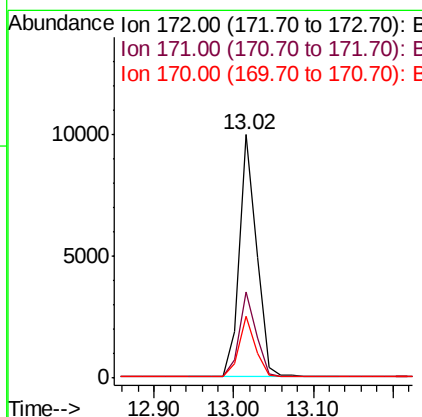
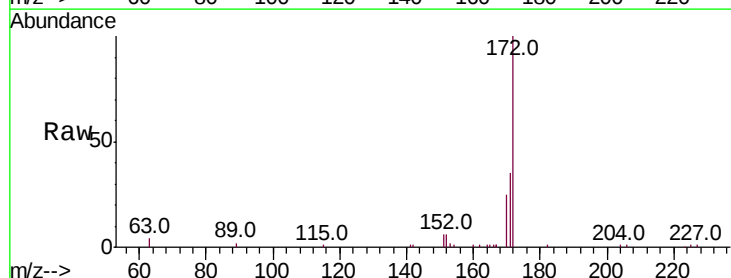
Instrument :
 BNA_E
 ClientSampleId :
 RE139D1-20191206

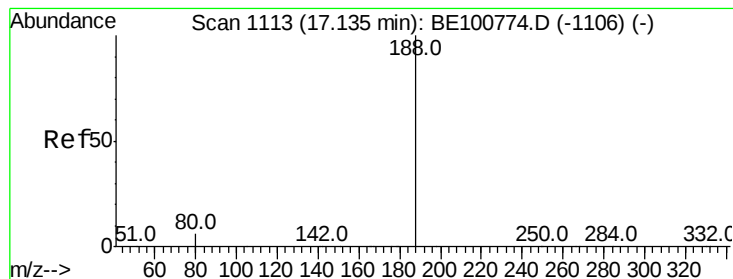
Tot Ion:330 Resp: 692
 Ion Ratio Lower Upper
 330 100
 332 93.1 74.1 111.1
 141 52.0 46.7 70.1



#15
 2-Fluorobiphenyl
 Concen: 0.323 ng
 RT: 13.02 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BE100892.D
 Acq: 13 Dec 2019 18:20

Tgt Ion:172 Resp: 14911
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.2 42.4
 170 25.2 19.4 29.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

Instrument :

BNA_E

ClientSampleId :

RE139D1-20191206

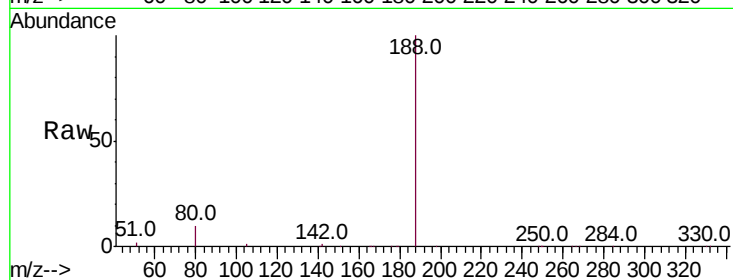
Tot Ion:188 Resp: 30780

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

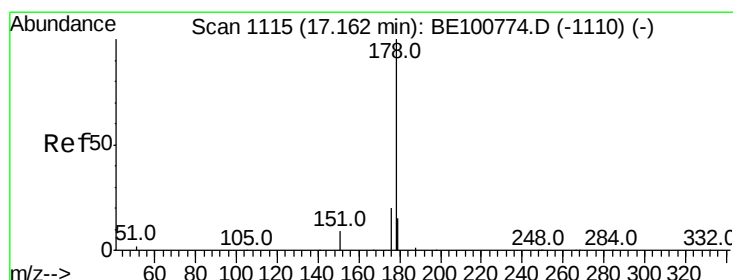
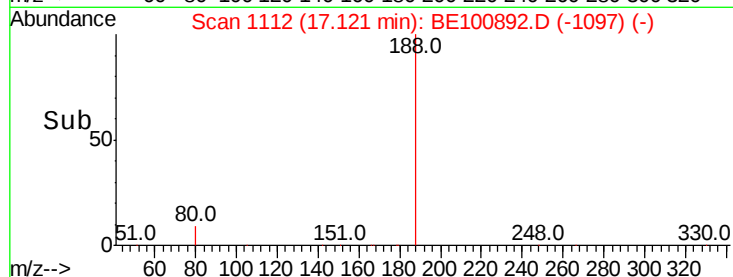
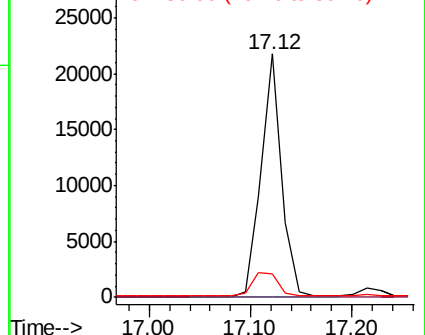
80 9.7 7.9 11.9



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



#23

Phenanthrene

Concen: 0.026 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

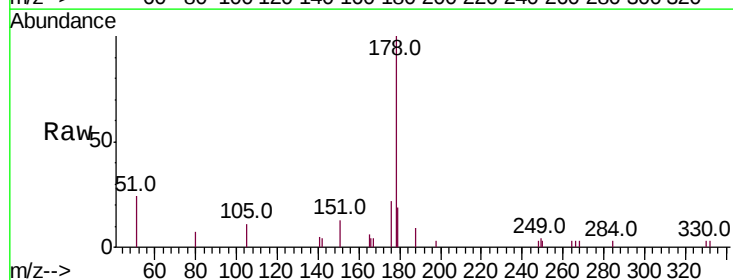
Tgt Ion:178 Resp: 2400

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

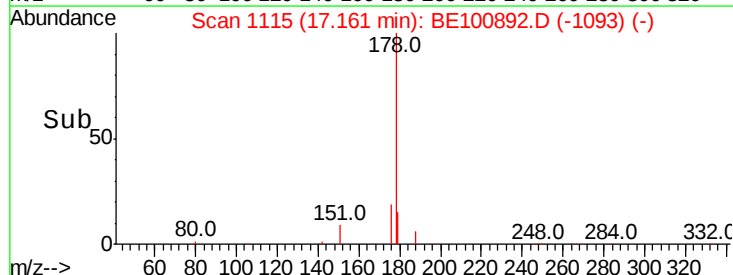
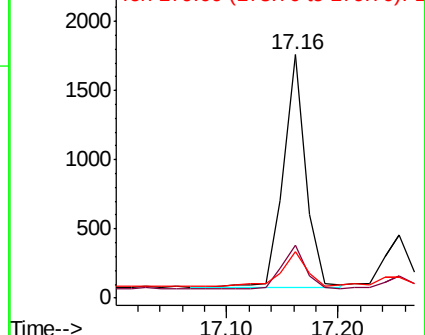
179 16.8 11.9 17.9

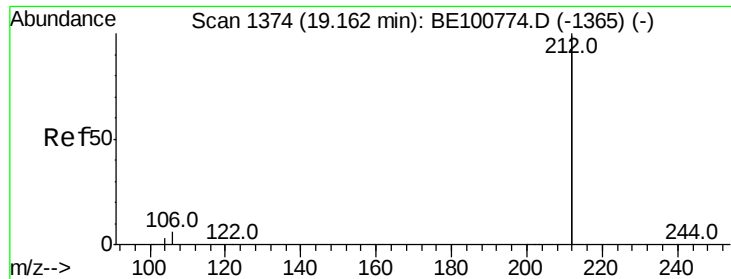


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.368 ng

RT: 19.16 min Scan# 1373

Delta R.T. 0.01 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

Instrument :

BNA_E

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RE139D1-20191206

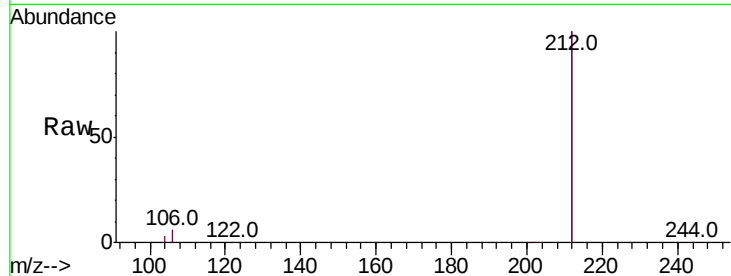
Tot Ion:212 Resp: 133775

Ion Ratio Lower Upper

212 100

106 3.4 2.6 4.0

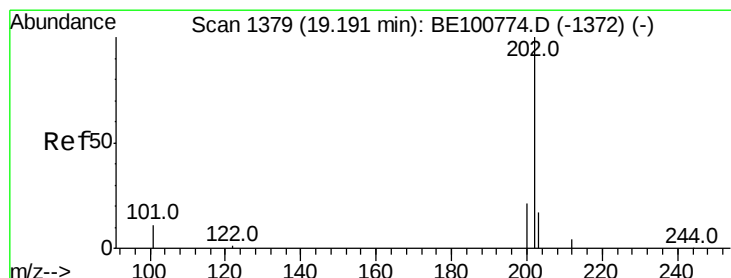
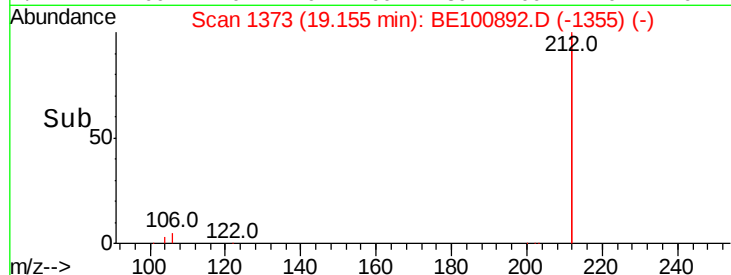
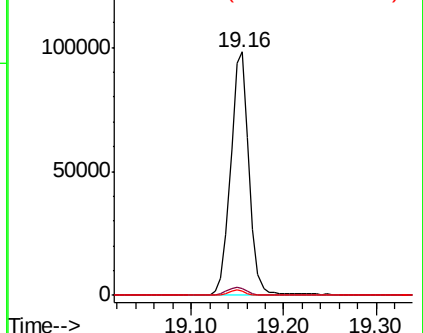
104 1.9 1.4 2.2



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: 0.029 ng

RT: 19.18 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

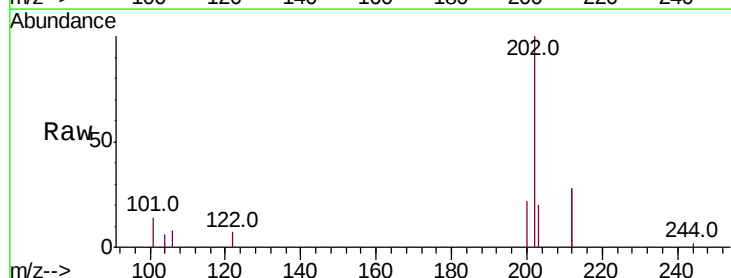
Tgt Ion:202 Resp: 3215

Ion Ratio Lower Upper

202 100

101 14.0 9.4 14.0

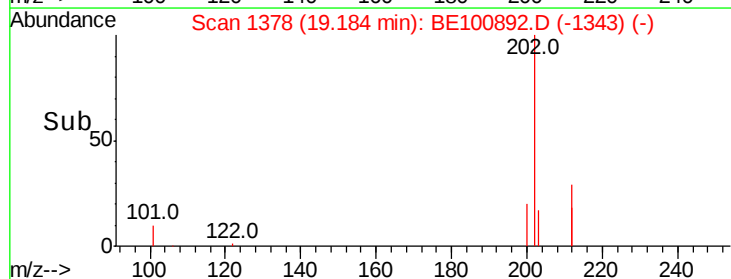
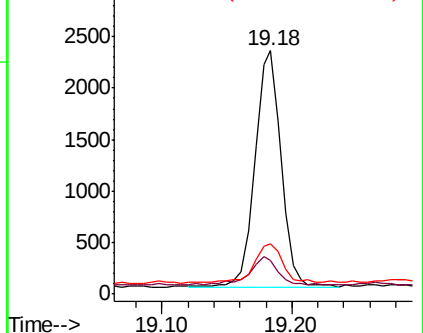
203 18.2 13.7 20.5

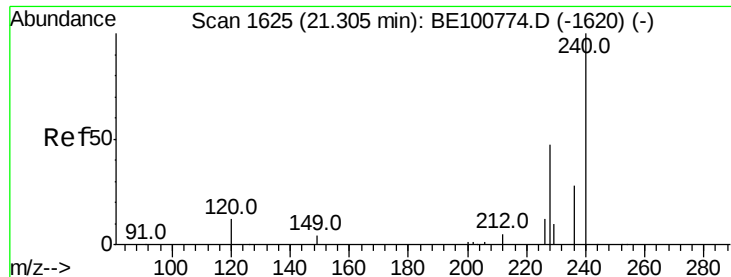


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

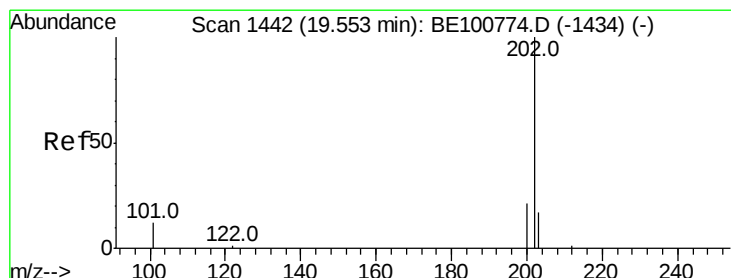
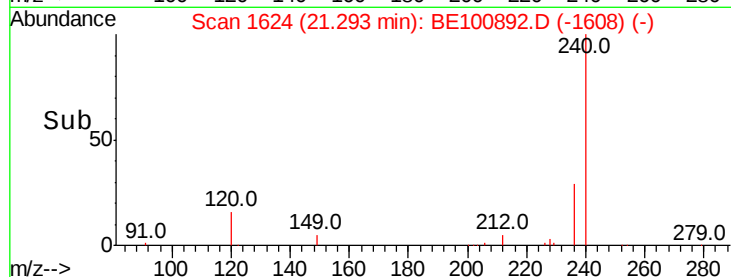
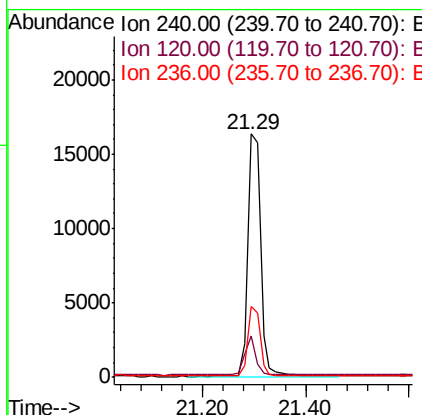
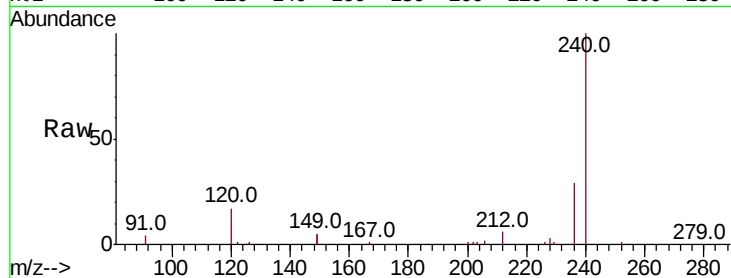




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BE100892.D
 Acq: 13 Dec 2019 18:20

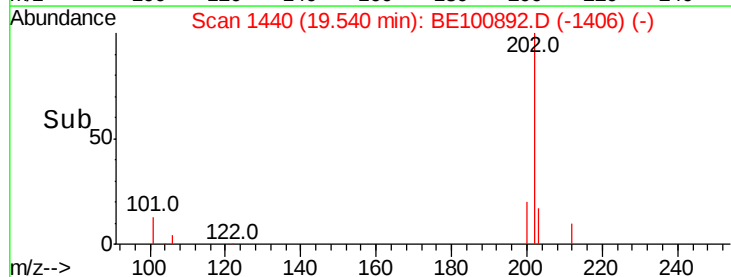
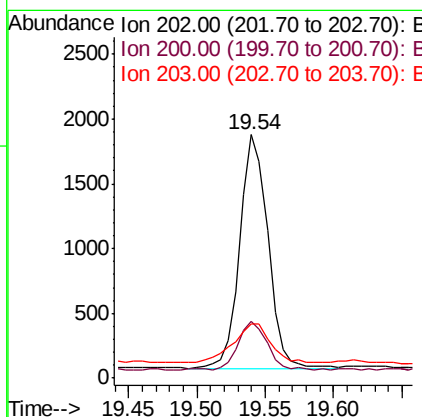
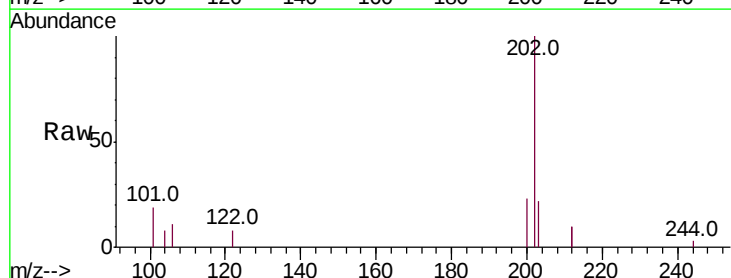
Instrument :
 BNA_E
 ClientSampleId :
 RE139D1-20191206

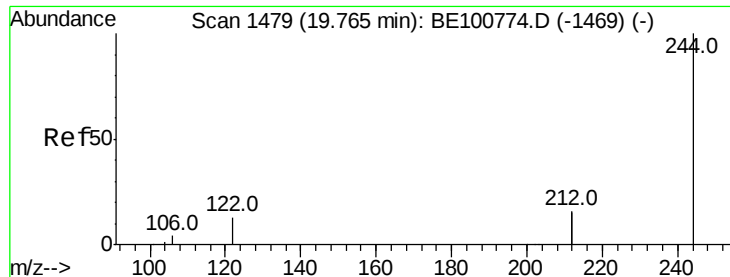
Tot Ion:240 Resp: 28231
 Ion Ratio Lower Upper
 240 100
 120 16.8 4.0 6.0#
 236 29.2 21.6 32.4



#28
 Pyrene
 Concen: 0.028 ng
 RT: 19.54 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BE100892.D
 Acq: 13 Dec 2019 18:20

Tgt Ion:202 Resp: 2586
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.0 25.4
 203 22.2 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.389 ng

RT: 19.76 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

Instrument :

BNA_E

ClientSampleId :

RE139D1-20191206

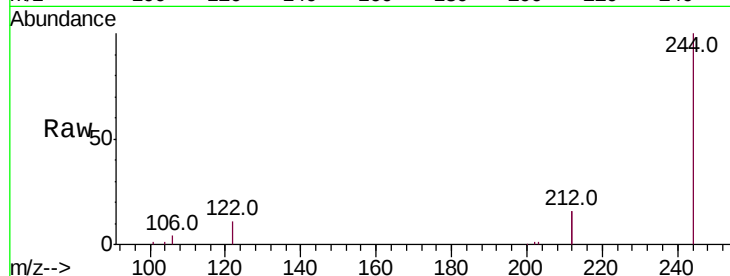
Tot Ion:244 Resp: 26318

Ion Ratio Lower Upper

244 100

212 31.4 25.2 37.8

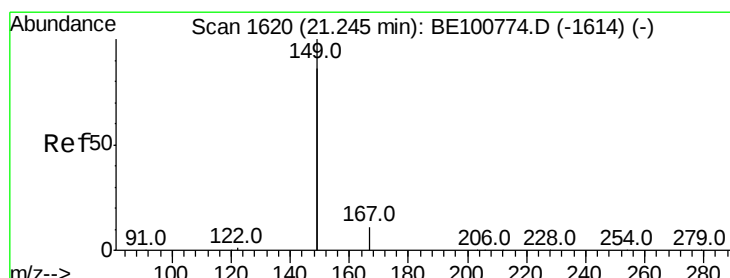
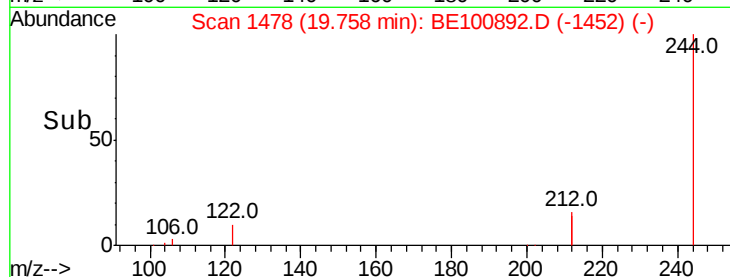
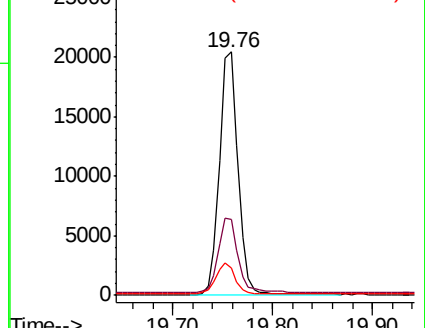
122 11.0 8.9 13.3



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: 0.600 ng

RT: 21.23 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100892.D

Acq: 13 Dec 2019 18:20

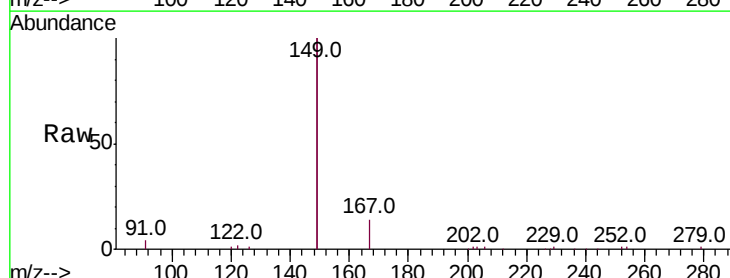
Tgt Ion:149 Resp: 35391

Ion Ratio Lower Upper

149 100

167 6.7 5.0 7.4

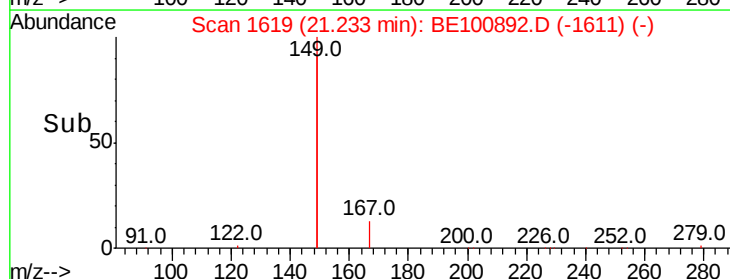
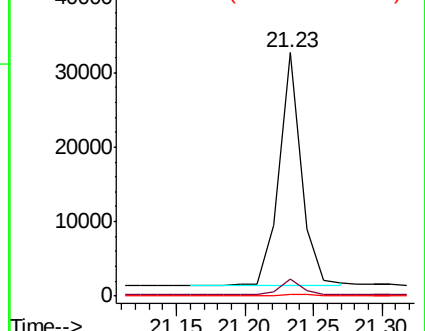
279 0.8 0.6 1.0

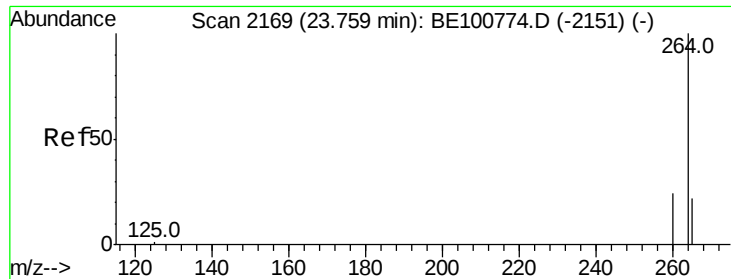


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

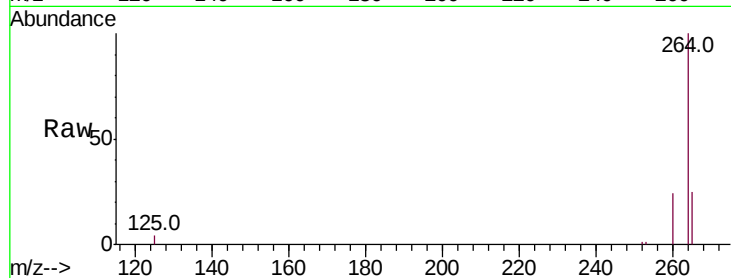




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.74 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: BE100892.D
 Acq: 13 Dec 2019 18:20

Instrument :
 BNA_E
 ClientSampleId :
 RE139D1-20191206

Tot Ion: 264 Resp: 31493
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.0
 265 24.6 20.1 30.1



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

