

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121719\
 Data File : BE100947.D
 Acq On : 17 Dec 2019 11:57
 Operator : JU
 Sample : K6271-01DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 17 17:34:12 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	3095	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	15228	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	9738	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	23270	0.40	ng	0.00
27) Chrysene-d12	21.31	240	20518	0.40	ng	0.00
34) Perylene-d12	23.75	264	23987	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	415	0.06	ng	0.00
5) Phenol-d6	6.93	99	666	0.06	ng	0.00
8) Nitrobenzene-d5	8.90	82	896	0.12	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	574	0.03	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	61	0.06	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	816	0.02	ng	0.00
25) Fluoranthene-d10	19.16	212	5362	0.02	ng	0.00
29) Terphenyl-d14	19.76	244	977	0.02	ng	0.00

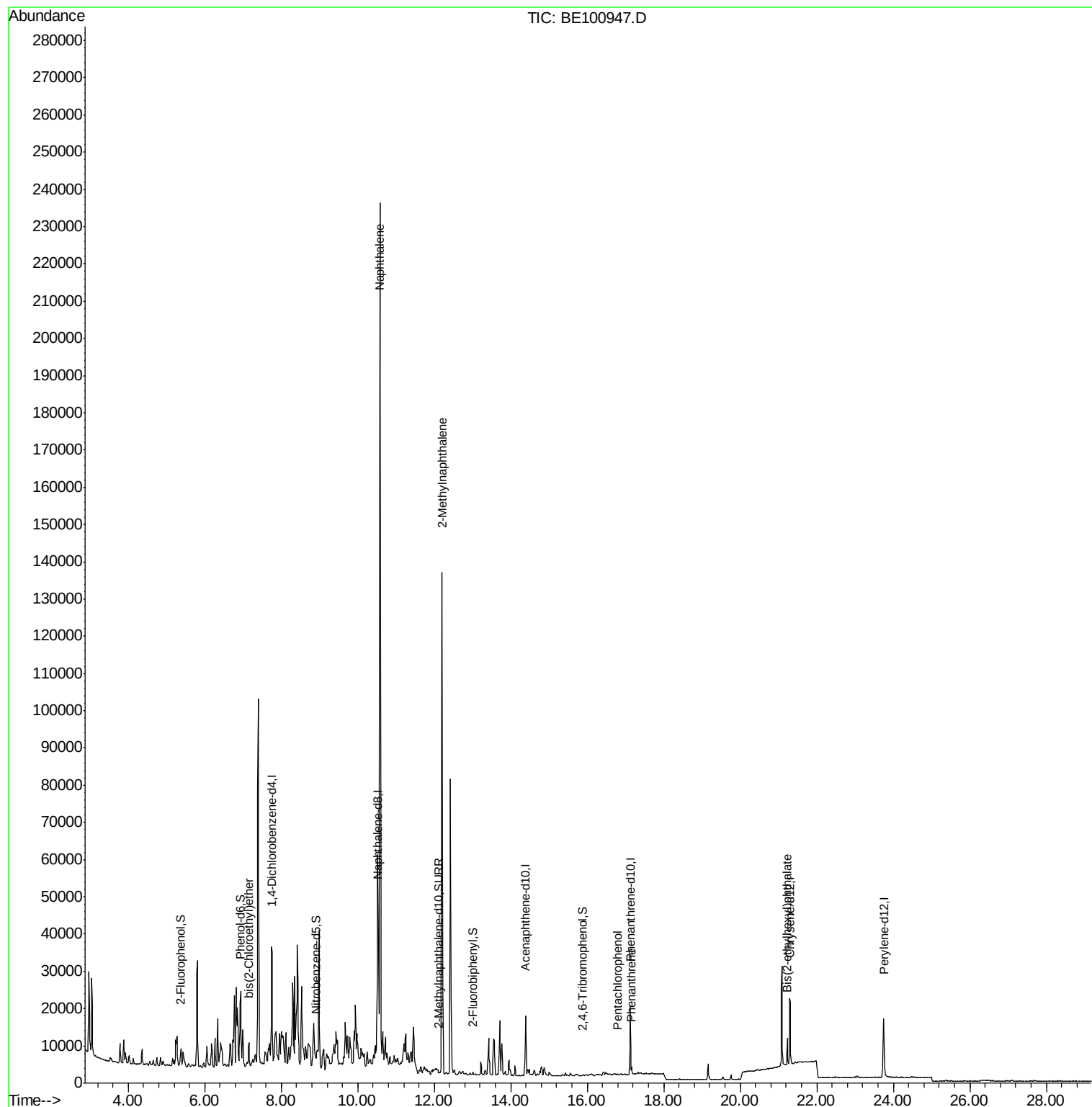
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	7.16	93	274	0.026	ng	# 1
9) Naphthalene	10.58	128	386059	2.386	ng	100
12) 2-Methylnaphthalene	12.21	142	110827	4.386	ng	100
22) Pentachlorophenol	16.79	266	137	0.160	ng	# 79
23) Phenanthrene	17.16	178	2007	0.028	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.23	149	8130	0.161	ng	# 97

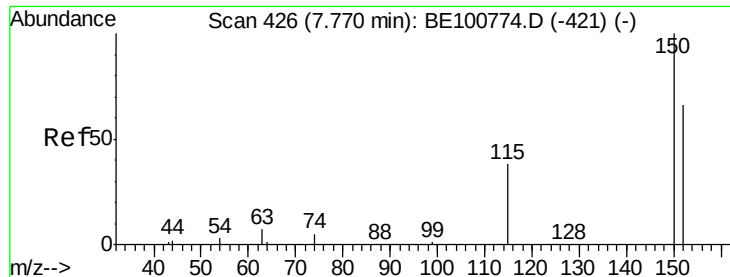
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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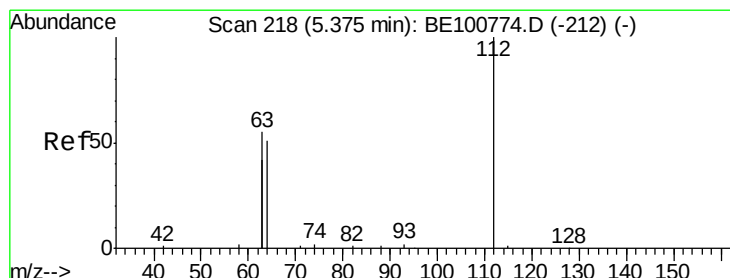
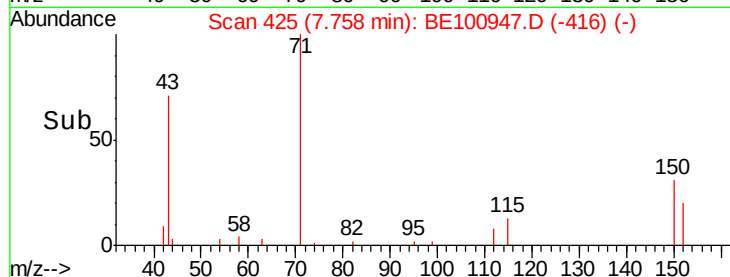
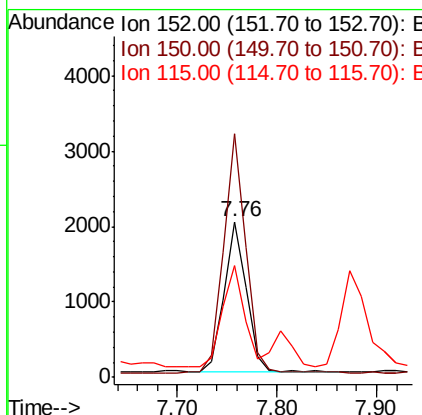
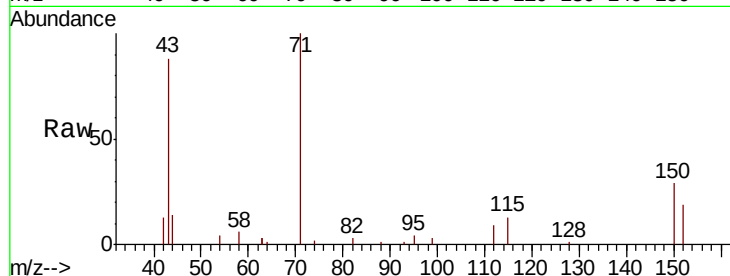


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.76 min Scan# 425
 Delta R.T. -0.00 min
 Lab File: BE100947.D
 Acq: 17 Dec 2019 11:57

Instrument :
 BNA_E
 ClientSampleId :

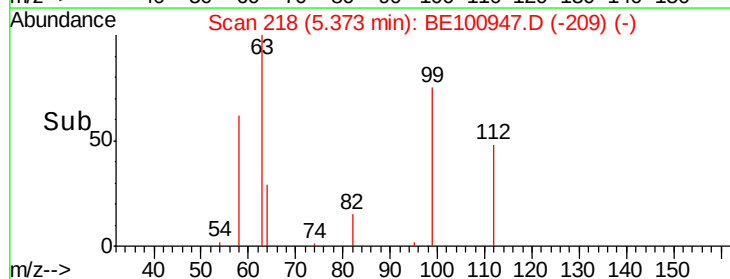
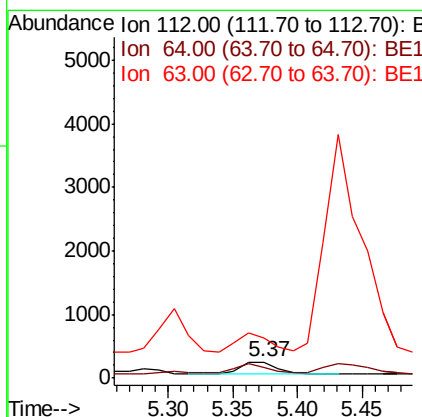
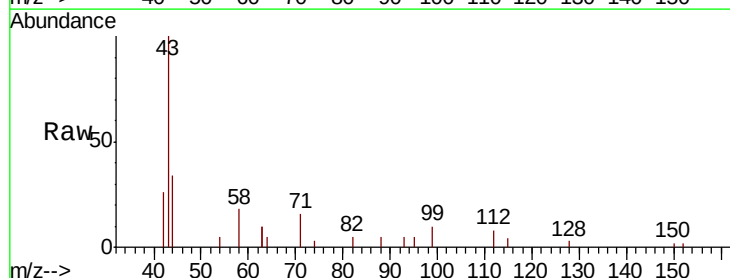
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.5	188.3
115	71.7	55.7	83.5

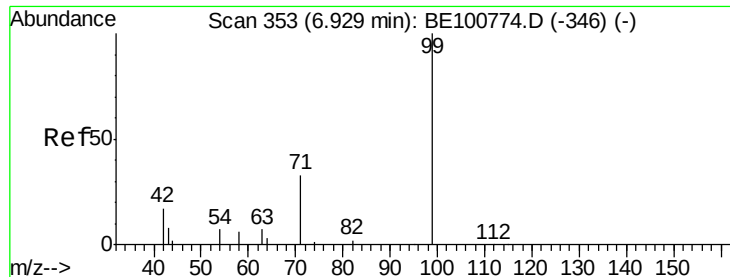


#4

2-Fluorophenol
 Concen: 0.057 ng
 RT: 5.37 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: BE100947.D
 Acq: 17 Dec 2019 11:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	54.5	81.7
63	126.0	116.1	174.1





#5

Phenol-d6

Concen: 0.060 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.00 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

Instrument :

BNA_E

ClientSampleId :

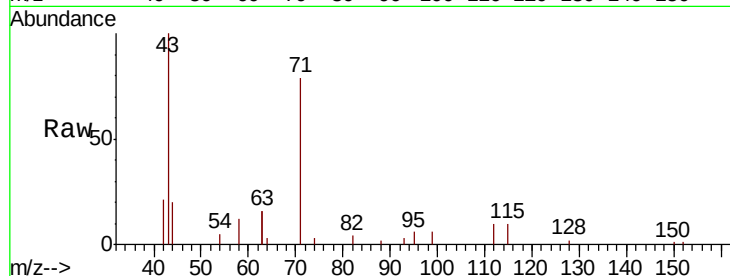
Tot Ion: 99 Resp: 666

Ion Ratio Lower Upper

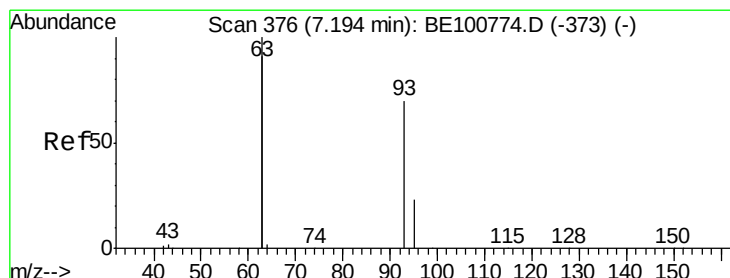
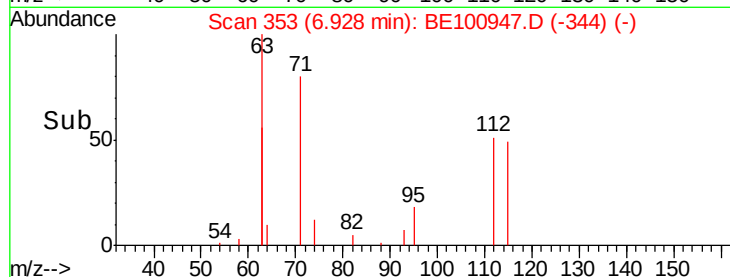
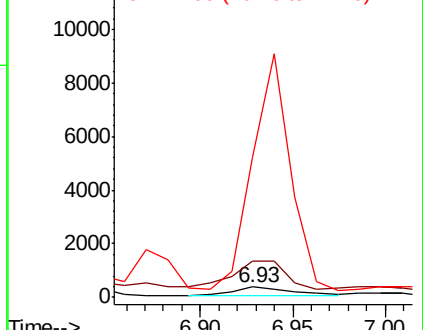
99 100

42 301.5 18.2 27.2#

71 1875.8 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



#6

bis(2-Chloroethyl)ether

Concen: 0.026 ng

RT: 7.16 min Scan# 373

Delta R.T. -0.02 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

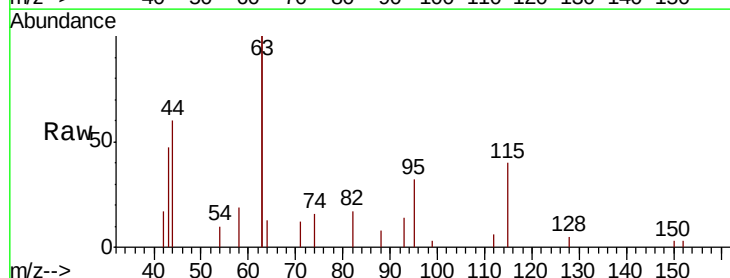
Tgt Ion: 93 Resp: 274

Ion Ratio Lower Upper

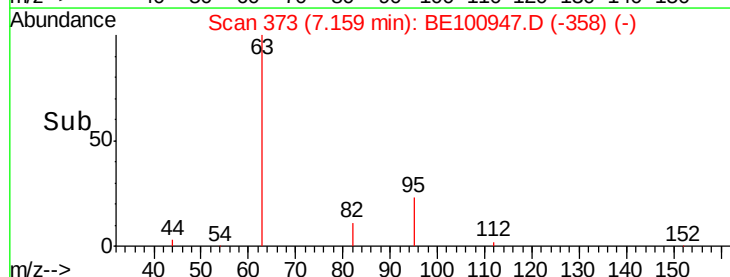
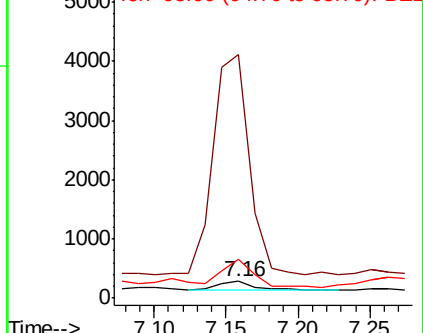
93 100

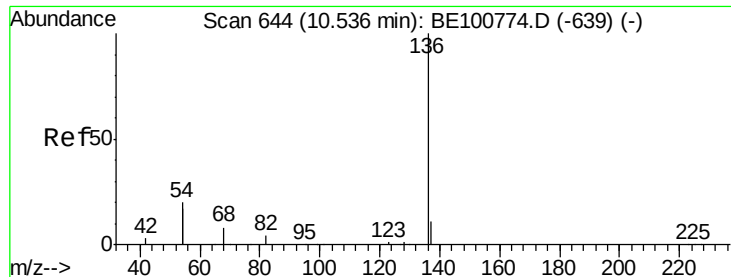
63 2338.0 253.9 380.9#

95 240.1 25.0 37.6#



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 645

Delta R.T. 0.00 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 15228

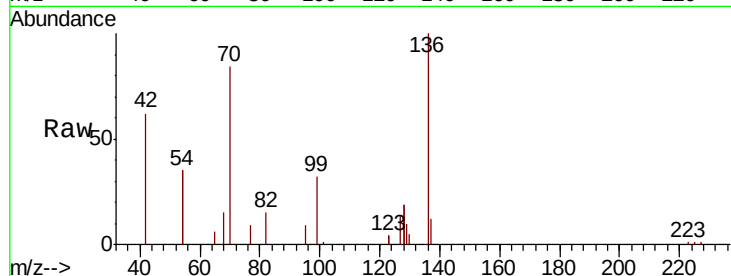
Ion Ratio Lower Upper

136 100

137 12.3 9.1 13.7

54 69.6 18.9 28.3#

68 14.8 4.6 6.8#

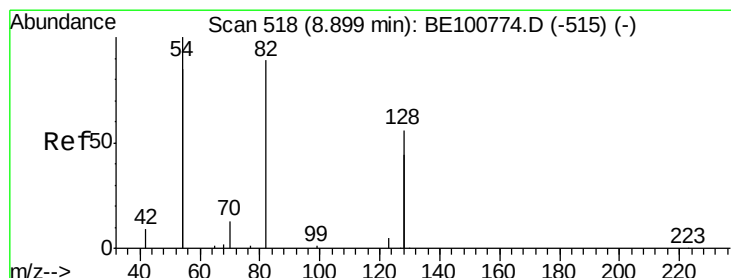
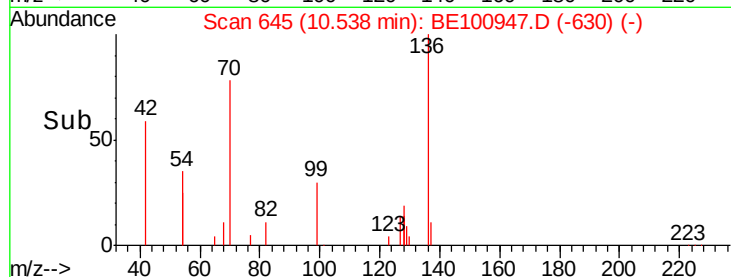
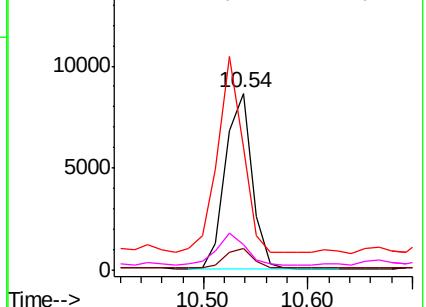


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.124 ng

RT: 8.90 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

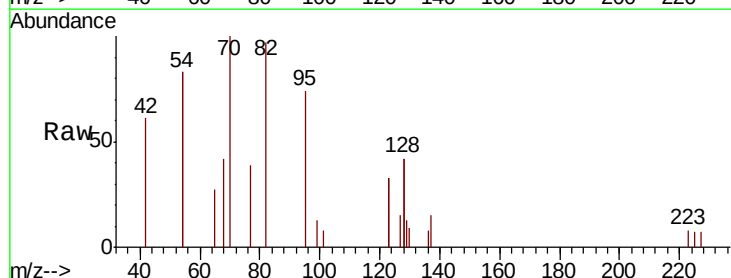
Tgt Ion: 82 Resp: 896

Ion Ratio Lower Upper

82 100

128 87.5 113.5 170.3#

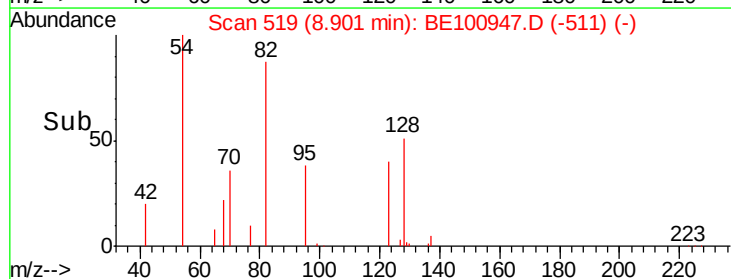
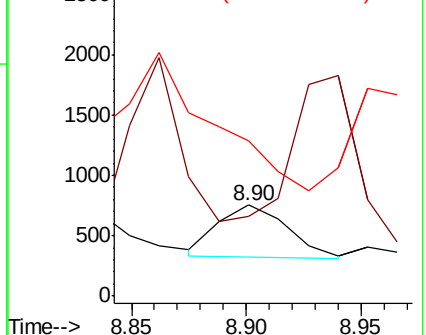
54 170.7 138.9 208.3

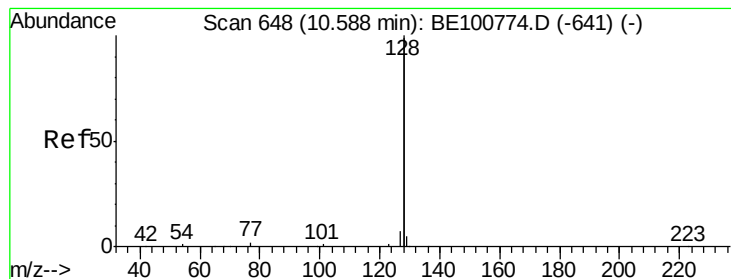


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 2.386 ng

RT: 10.58 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

Instrument :

BNA_E

ClientSampleId :

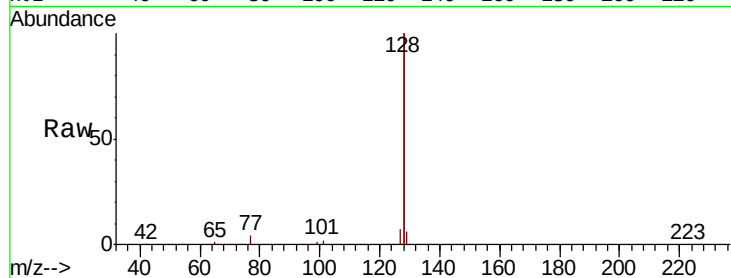
Tot Ion:128 Resp: 386059

Ion Ratio Lower Upper

128 100

129 2.9 2.2 3.4

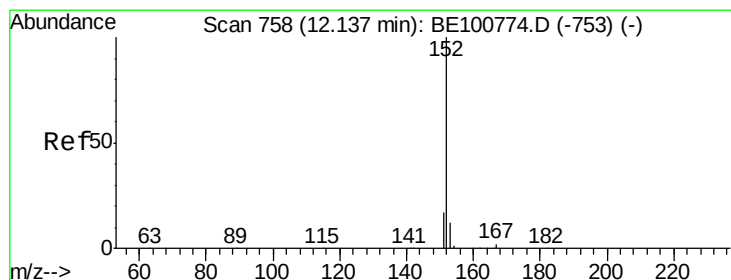
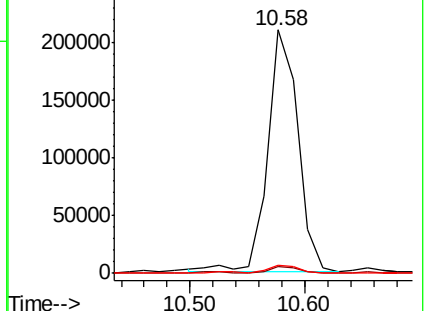
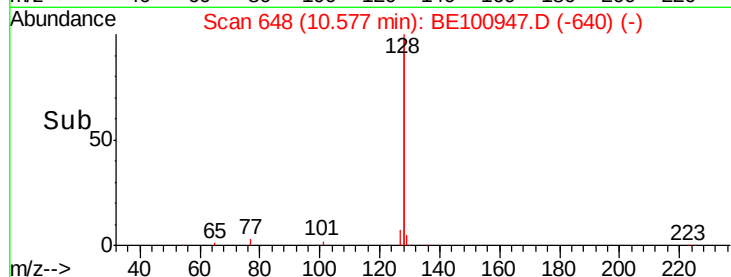
127 3.5 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.026 ng

RT: 12.12 min Scan# 758

Delta R.T. -0.01 min

Lab File: BE100947.D

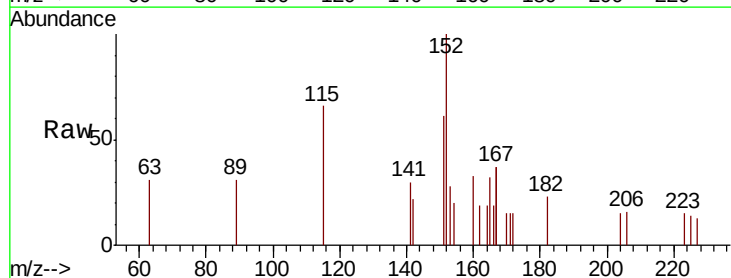
Acq: 17 Dec 2019 11:57

Tgt Ion:152 Resp: 574

Ion Ratio Lower Upper

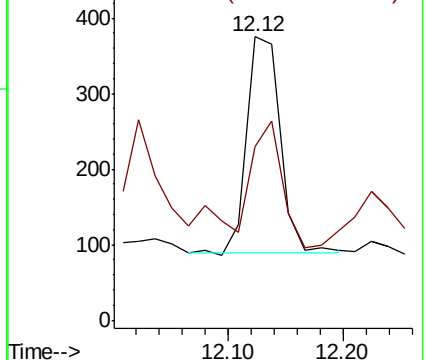
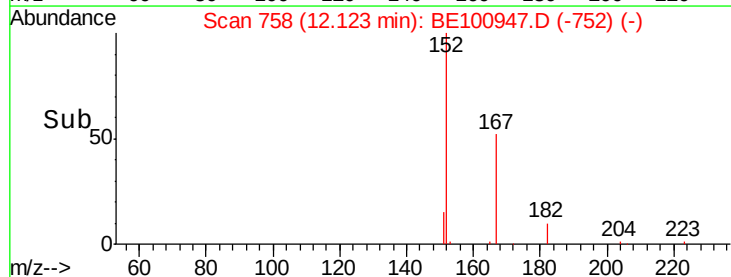
152 100

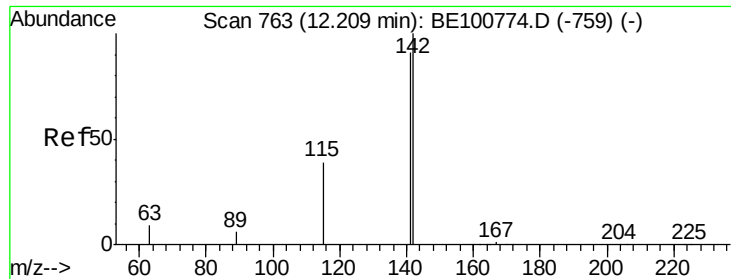
151 52.6 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

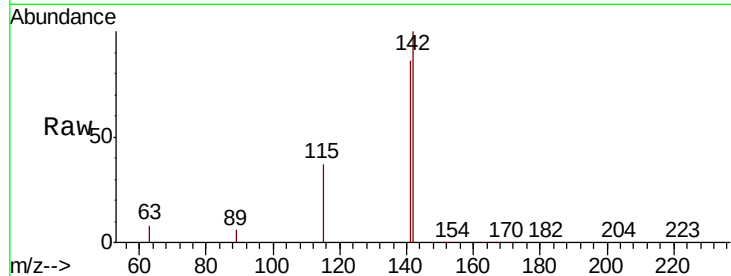




#12
2-Methylnaphthalene
Concen: 4.386 ng
RT: 12.21 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100947.D
Acq: 17 Dec 2019 11:57

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.0	68.9	103.3
115	36.5	29.5	44.3

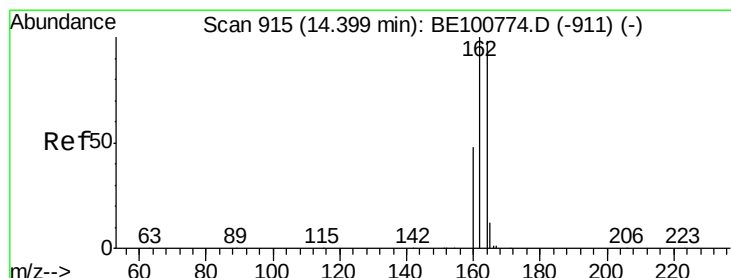
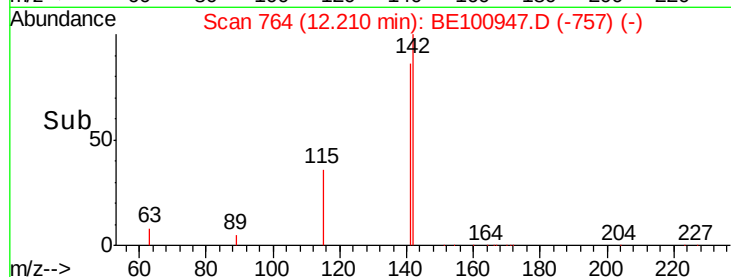
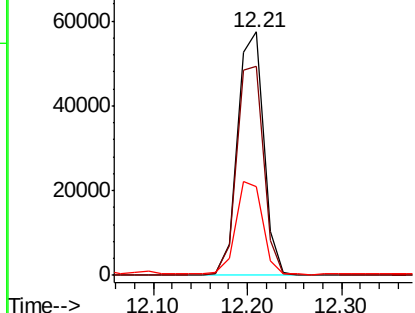


Abundance

Ion 142.00 (141.70 to 142.70): E

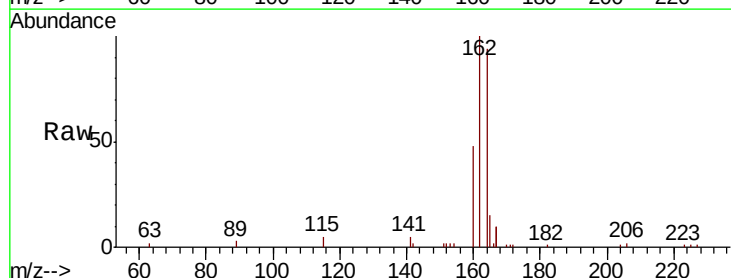
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.39 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100947.D
Acq: 17 Dec 2019 11:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	86.0	129.0
160	51.2	42.3	63.5

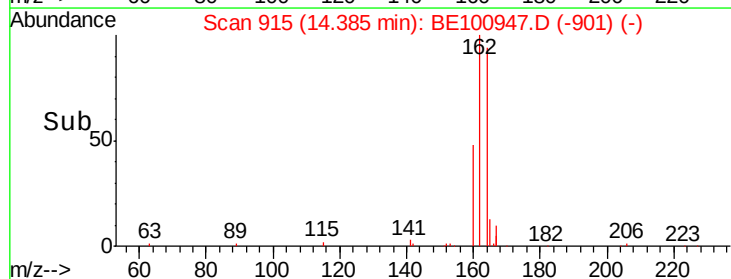
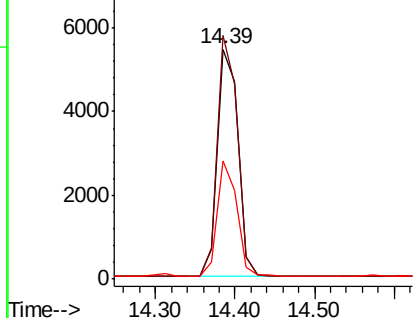


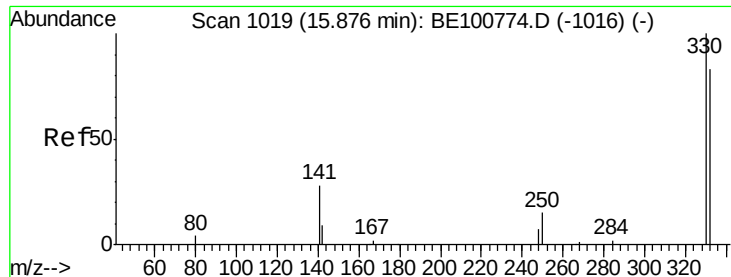
Abundance

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: 0.056 ng

RT: 15.88 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

Instrument :

BNA_E

ClientSampleId :

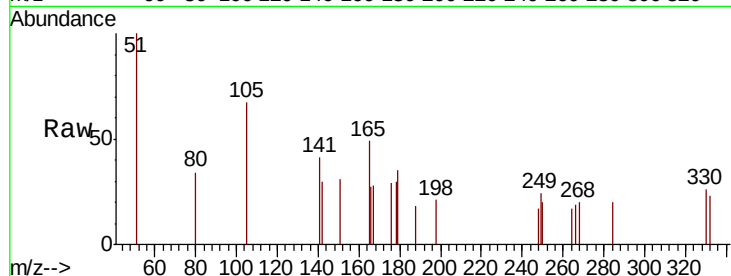
Tot Ion:330 Resp: 61

Ion Ratio Lower Upper

330 100

332 91.8 74.1 111.1

141 124.6 46.7 70.1#



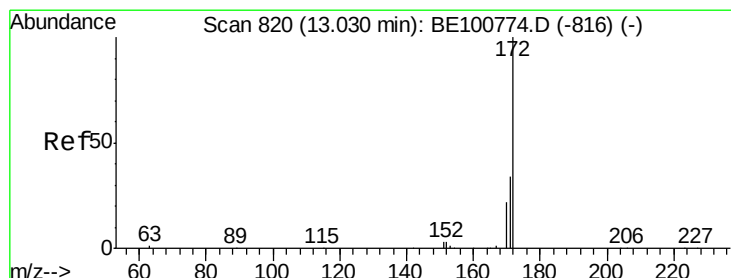
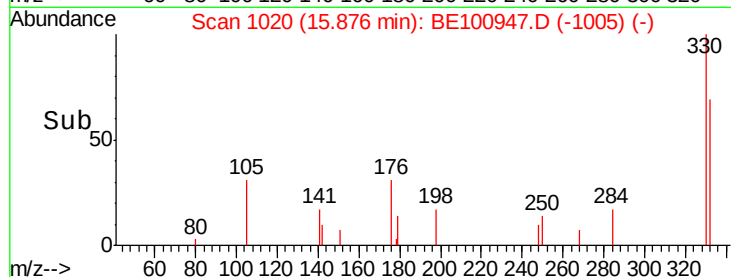
Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

15.88

Time-->



#15

2-Fluorobiphenyl

Concen: 0.021 ng

RT: 13.02 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

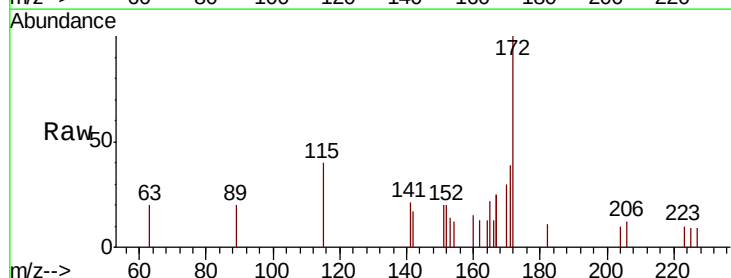
Tgt Ion:172 Resp: 816

Ion Ratio Lower Upper

172 100

171 38.9 28.2 42.4

170 30.0 19.4 29.0#



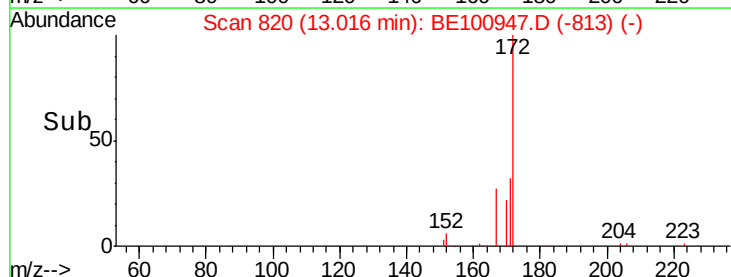
Abundance Ion 172.00 (171.70 to 172.70): E

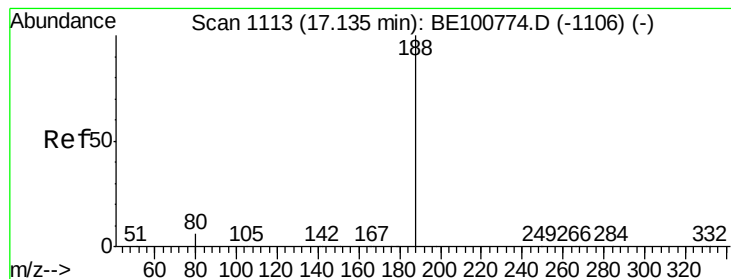
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

13.02

Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

Instrument :

BNA_E

ClientSampleId :

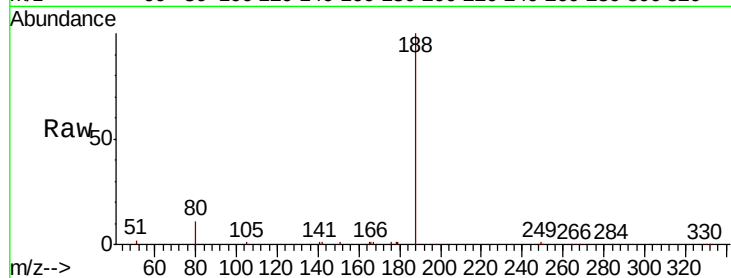
Tot Ion:188 Resp: 23270

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

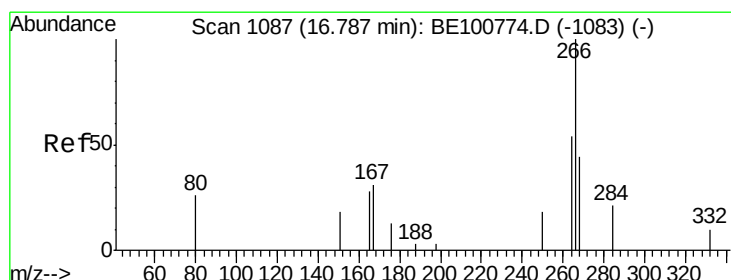
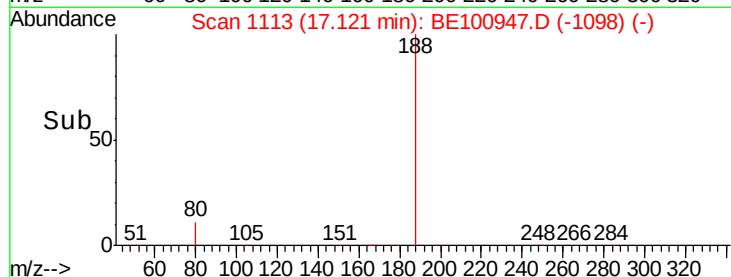
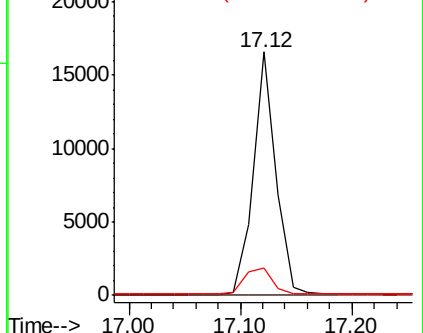
80 11.5 7.9 11.9



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



#22

Pentachlorophenol

Concen: 0.160 ng

RT: 16.79 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

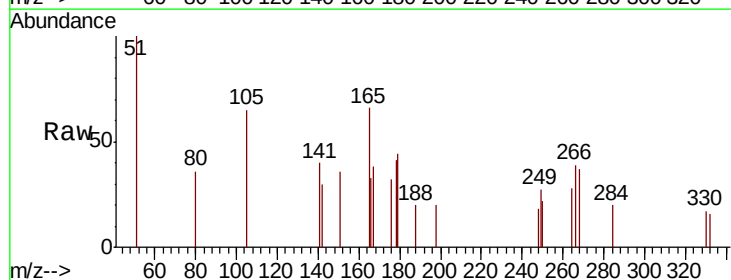
Tgt Ion:266 Resp: 137

Ion Ratio Lower Upper

266 100

264 71.1 55.1 82.7

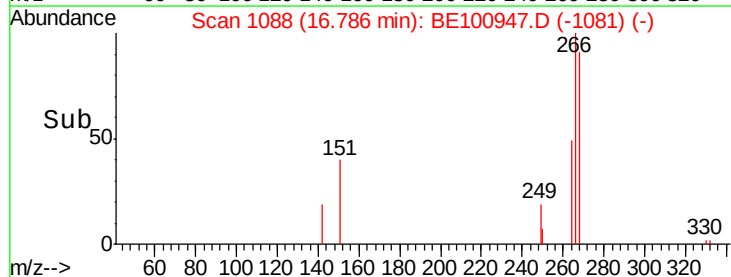
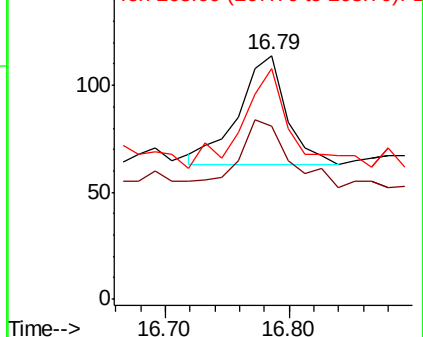
268 94.7 50.7 76.1#

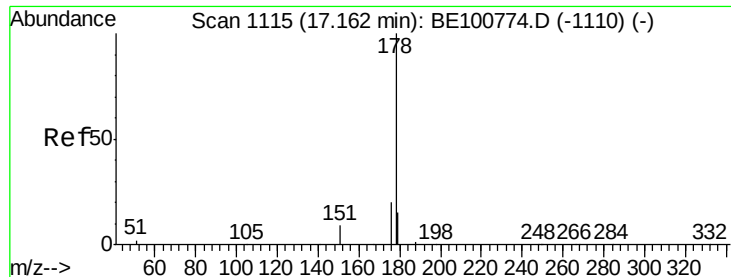


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.028 ng

RT: 17.16 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

Instrument :

BNA_E

ClientSampleId :

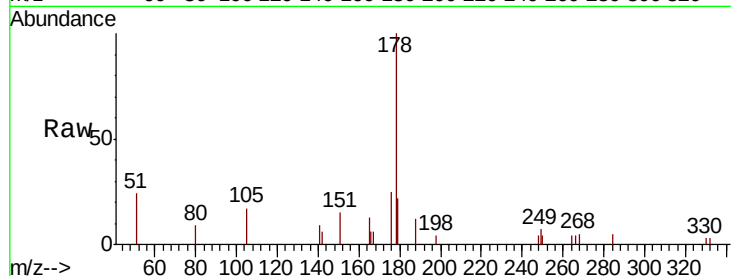
Tot Ion:178 Resp: 2007

Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

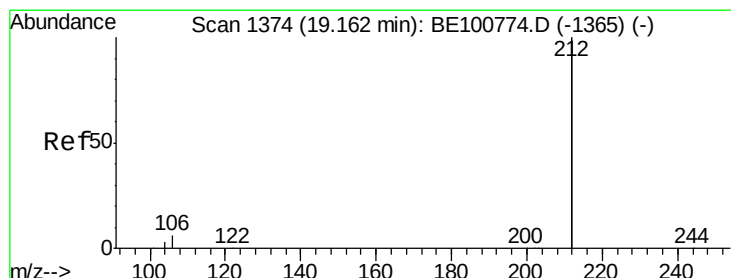
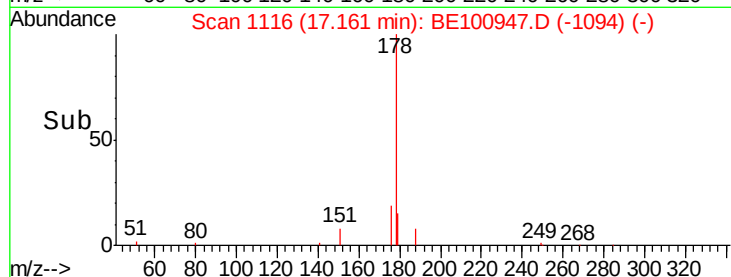
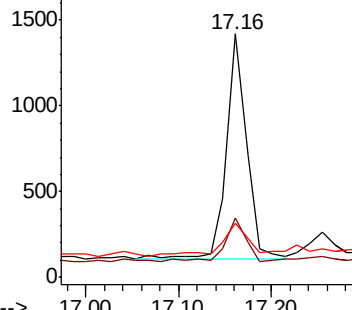
179 20.7 11.9 17.9#



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: 0.019 ng

RT: 19.16 min Scan# 1374

Delta R.T. 0.01 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

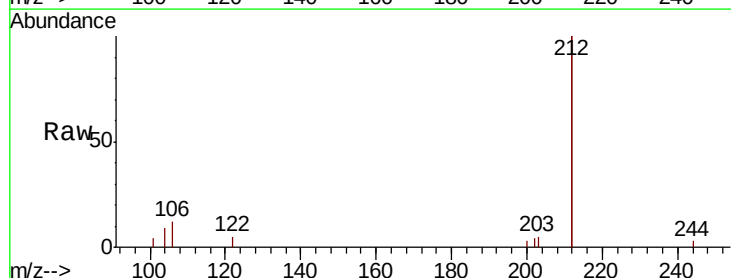
Tgt Ion:212 Resp: 5362

Ion Ratio Lower Upper

212 100

106 4.4 2.6 4.0#

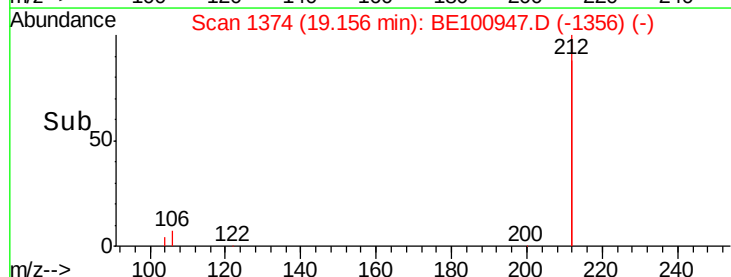
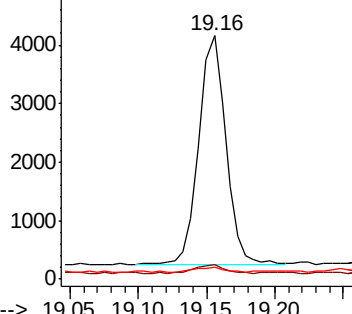
104 2.0 1.4 2.2

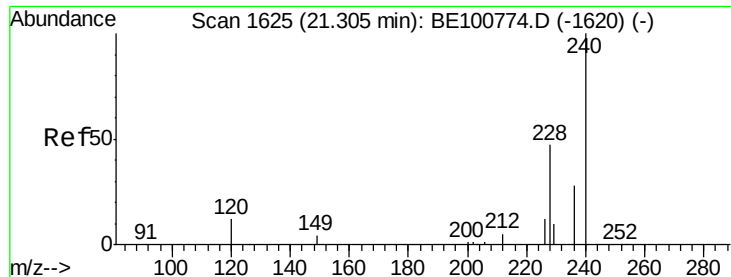


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

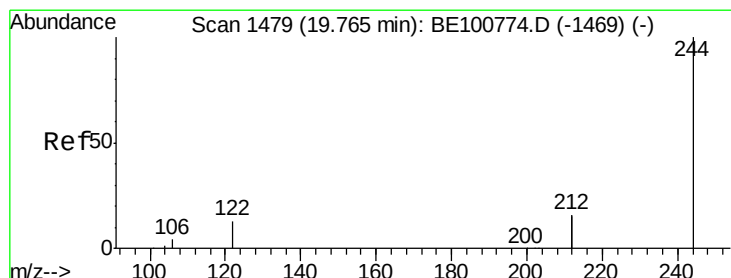
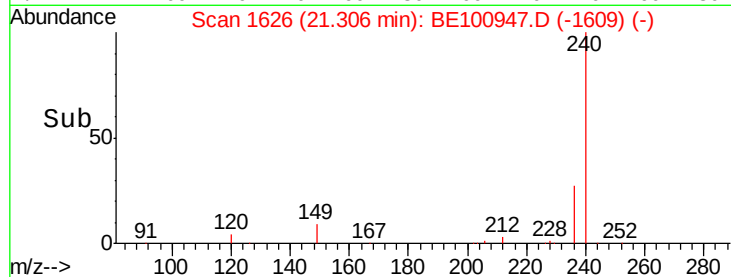
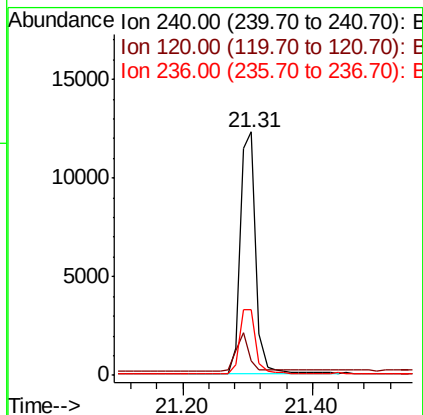
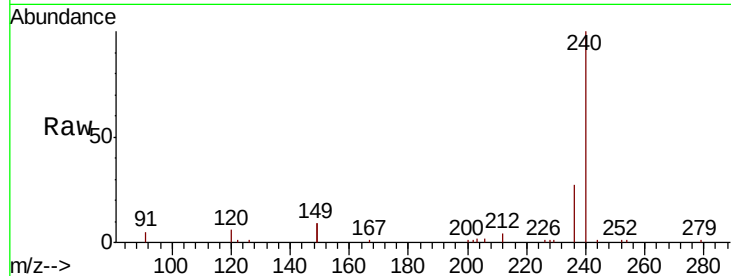




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.31 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: BE100947.D
 Acq: 17 Dec 2019 11:57

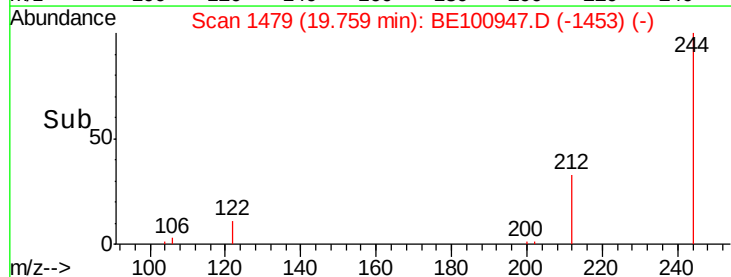
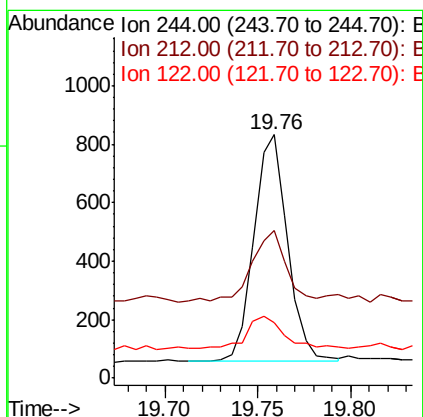
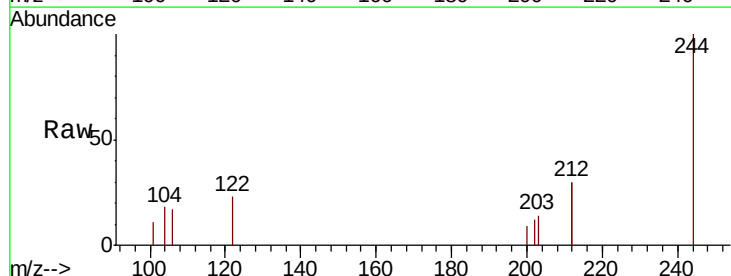
Instrument :
 BNA_E
 ClientSampleId :

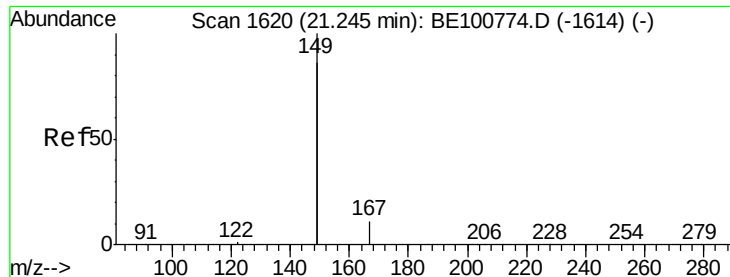
Tot Ion:240 Resp: 20518
 Ion Ratio Lower Upper
 240 100
 120 6.0 4.0 6.0
 236 27.2 21.6 32.4



#29
 Terphenyl-d14
 Concen: 0.020 ng
 RT: 19.76 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: BE100947.D
 Acq: 17 Dec 2019 11:57

Tgt Ion:244 Resp: 977
 Ion Ratio Lower Upper
 244 100
 212 60.5 25.2 37.8#
 122 22.6 8.9 13.3#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.161 ng

RT: 21.23 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

Instrument :

BNA_E

ClientSampleId :

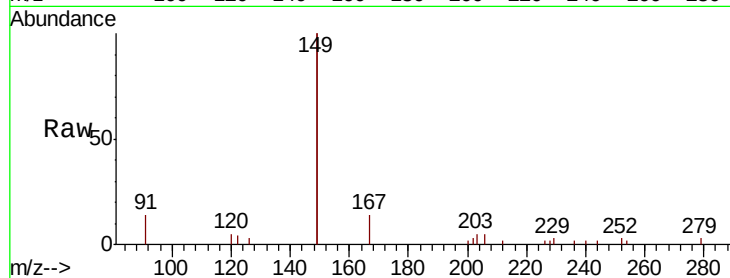
Tot Ion:149 Resp: 8130

Ion Ratio Lower Upper

149 100

167 7.1 5.0 7.4

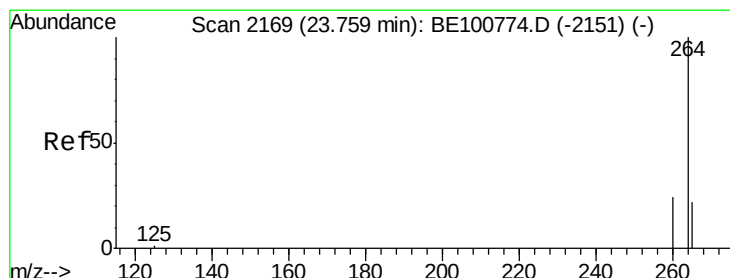
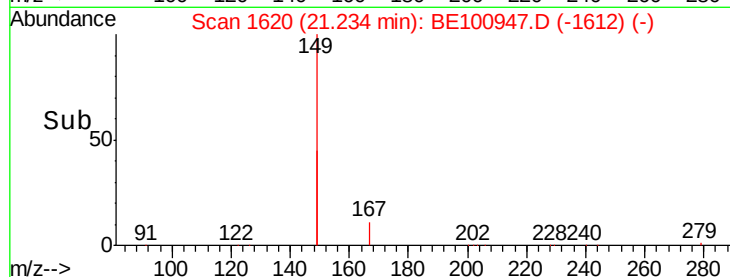
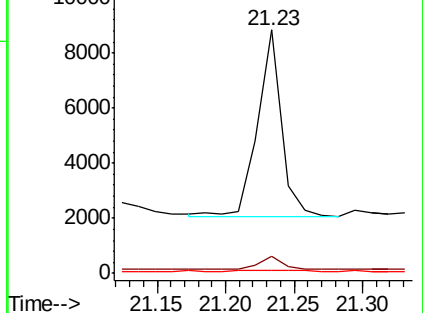
279 1.4 0.6 1.0#



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

Perylene-d12

Concen: 0.400 ng

RT: 23.75 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BE100947.D

Acq: 17 Dec 2019 11:57

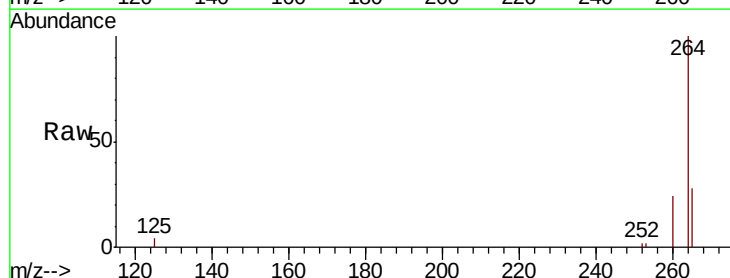
Tgt Ion:264 Resp: 23987

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

265 27.8 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

