

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052319\
 Data File : BE099730.D
 Acq On : 23 May 2019 12:20
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: May 23 15:07:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1414	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	4861	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3276	0.40	ng	-0.02
19) Phenanthrene-d10	17.22	188	9667	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	16061	0.40	ng	-0.01
34) Perylene-d12	23.94	264	18559	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	1656	0.46	ng	-0.01
5) Phenol-d6	6.96	99	2104	0.44	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2002	0.48	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	3355	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	15.97	330	1100	0.56	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	5221	0.42	ng	0.00
25) Fluoranthene-d10	19.25	212	54071	0.41	ng	-0.01
29) Terphenyl-d14	19.85	244	11313	0.39	ng	-0.02

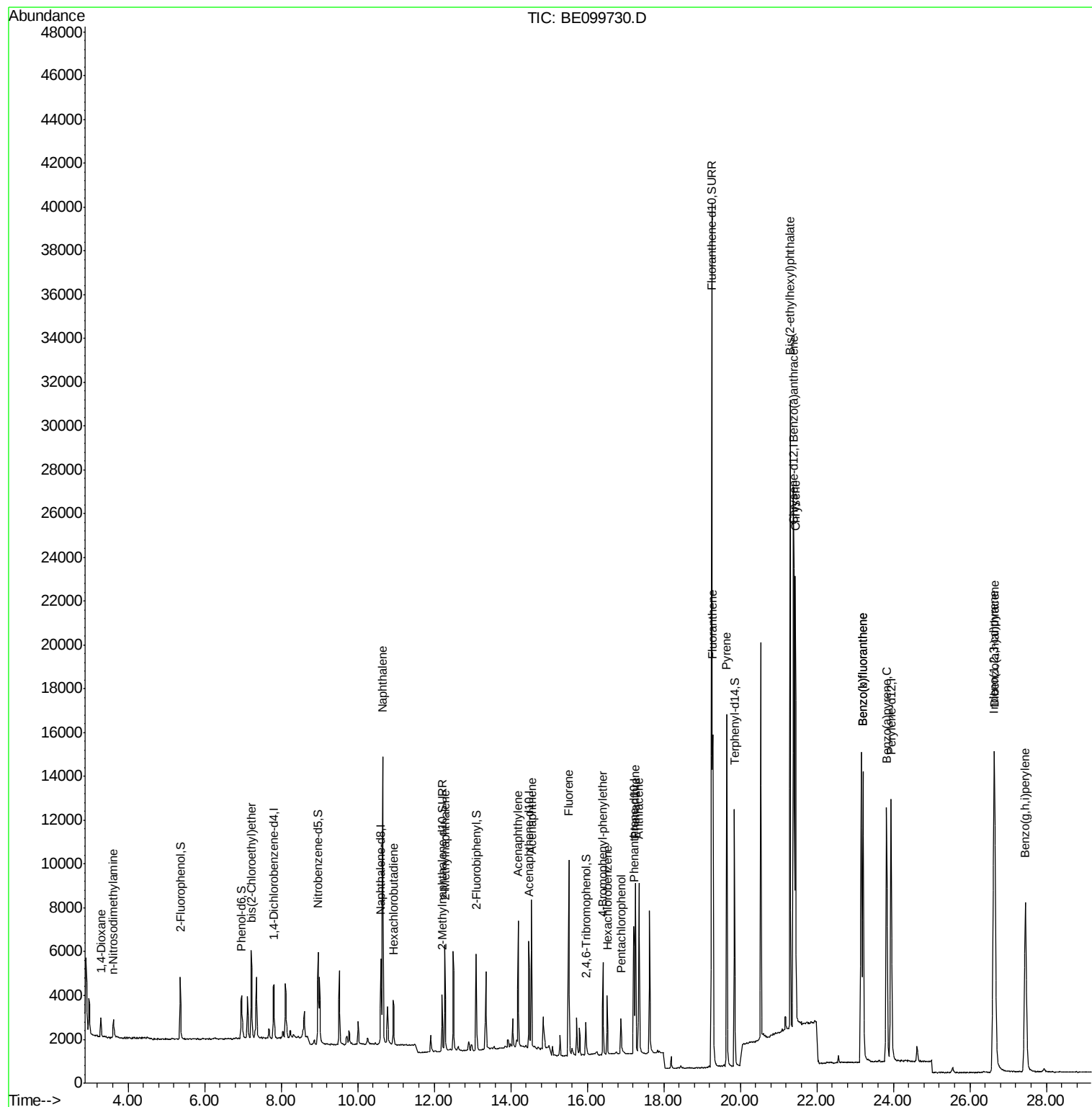
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	860	0.411	ng	99
3) n-Nitrosodimethylamine	3.61	42	523	0.453	ng	# 71
6) bis(2-Chloroethyl)ether	7.23	93	1763	0.419	ng	98
9) Naphthalene	10.65	128	21064	0.405	ng	100
10) Hexachlorobutadiene	10.93	225	1595	0.417	ng	97
12) 2-Methylnaphthalene	12.28	142	3441	0.406	ng	99
16) Acenaphthylene	14.20	152	6503	0.426	ng	99
17) Acenaphthene	14.54	154	3658	0.427	ng	98
18) Fluorene	15.51	166	5341	0.423	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	2316	0.415	ng	97
21) Hexachlorobenzene	16.52	284	2276	0.399	ng	96
22) Pentachlorophenol	16.88	266	1297	0.874	ng	89
23) Phenanthrene	17.26	178	9640	0.408	ng	99
24) Anthracene	17.35	178	8962	0.418	ng	99
26) Fluoranthene	19.28	202	15073	0.404	ng	100
28) Pyrene	19.64	202	15924	0.395	ng	100
30) Benzo(a)anthracene	21.39	228	19946	0.437	ng	100
31) Chrysene	21.44	228	20081	0.412	ng	99
32) Bis(2-ethylhexyl)phthalate	21.30	149	30608	0.582	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	25975	0.441	ng	99
35) Benzo(b)fluoranthene	23.21	252	20749	0.408	ng	99
36) Benzo(k)fluoranthene	23.21	252	20749	0.391	ng	99
37) Benzo(a)pyrene	23.82	252	20110	0.411	ng	# 97
38) Dibenzo(a,h)anthracene	26.65	278	21193	0.412	ng	# 97
39) Benzo(g,h,i)perylene	27.45	276	21213	0.409	ng	99

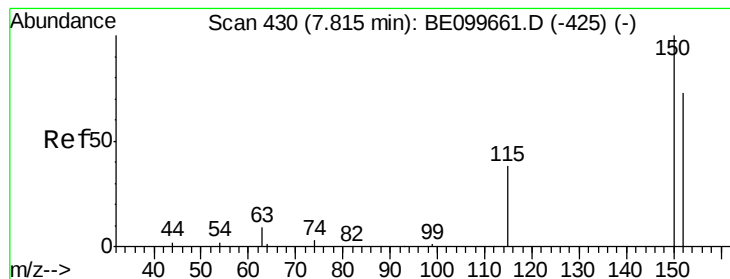
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

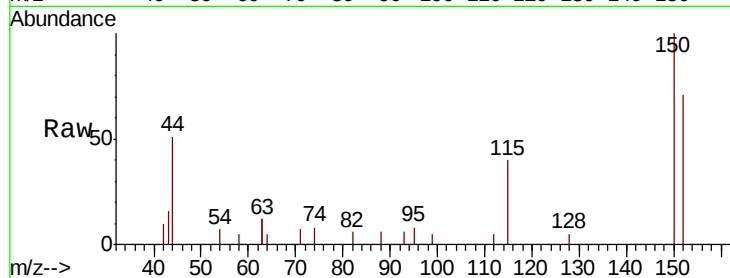
Tot Ion:152 Resp: 1414

Ion Ratio Lower Upper

152 100

150 141.3 109.2 163.8

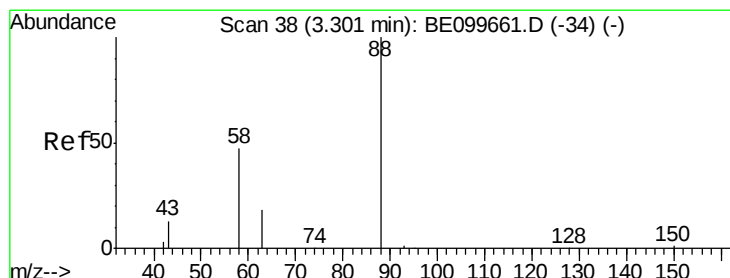
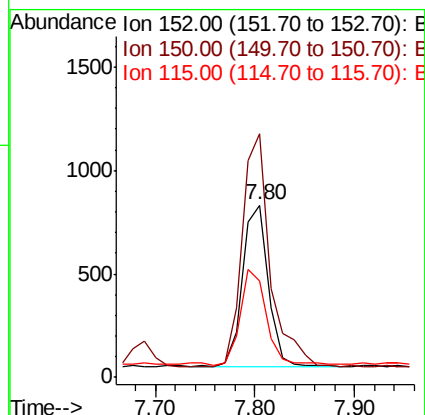
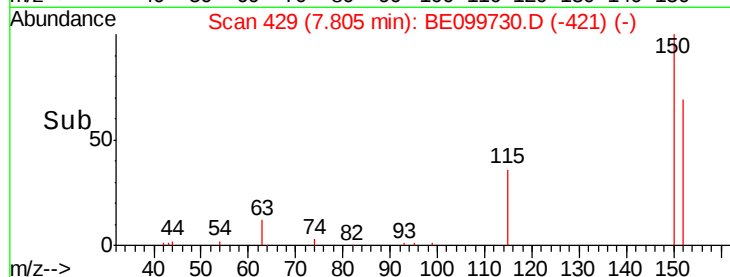
115 55.8 43.7 65.5



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: 0.411 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

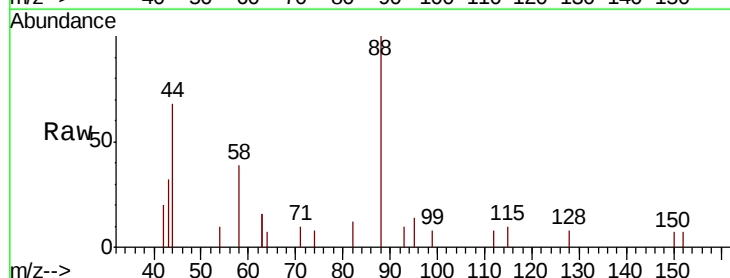
Tgt Ion: 88 Resp: 860

Ion Ratio Lower Upper

88 100

58 52.1 41.8 62.8

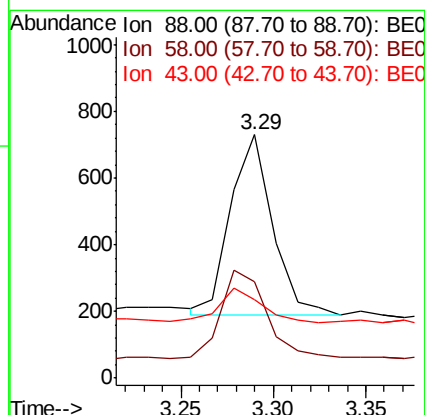
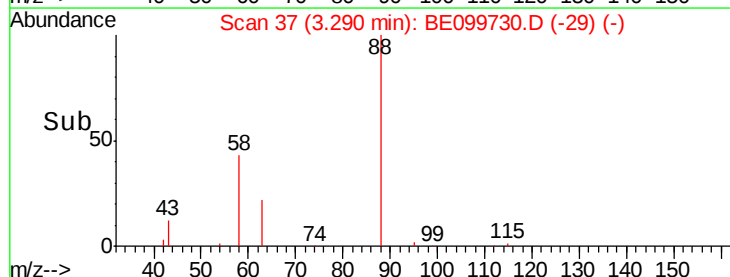
43 18.0 15.0 22.4



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.453 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

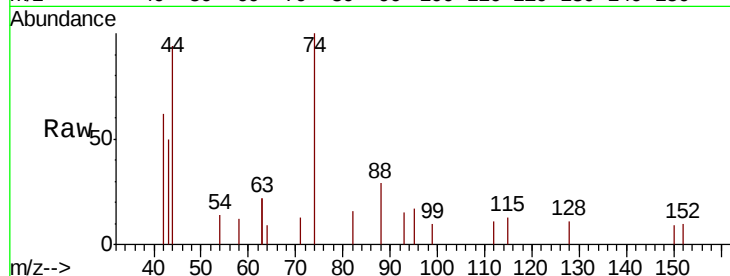
Tot Ion: 42 Resp: 523

Ion Ratio Lower Upper

42 100

74 200.0 129.2 193.8#

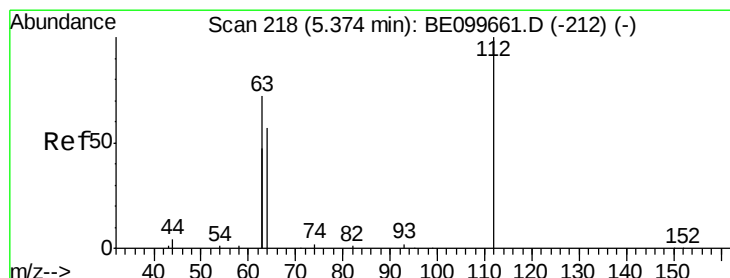
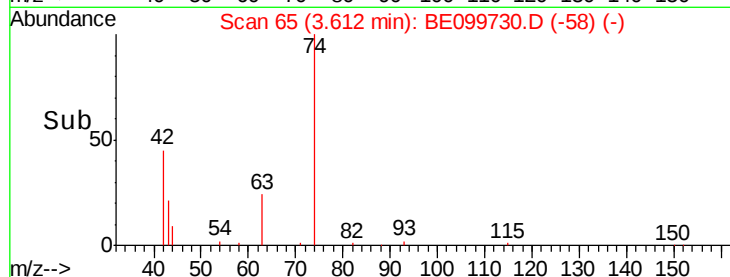
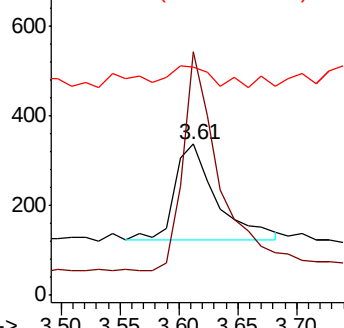
44 22.9 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.463 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

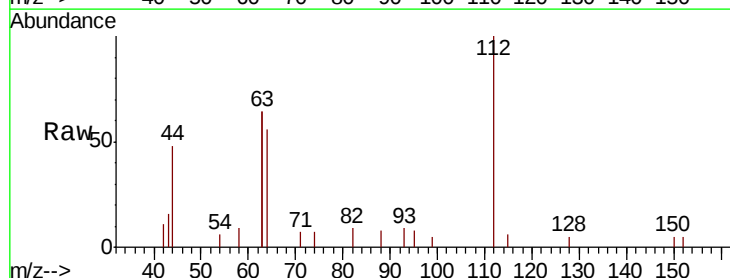
Tgt Ion: 112 Resp: 1656

Ion Ratio Lower Upper

112 100

64 54.4 43.4 65.2

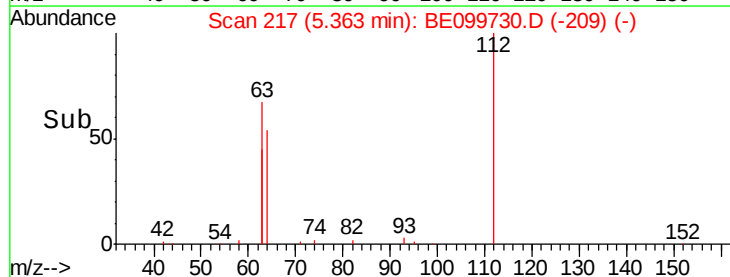
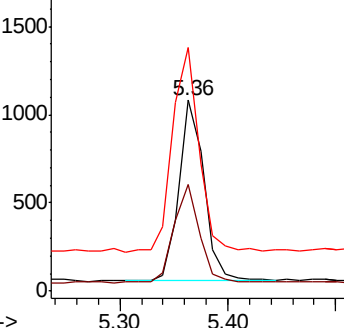
63 118.9 96.9 145.3

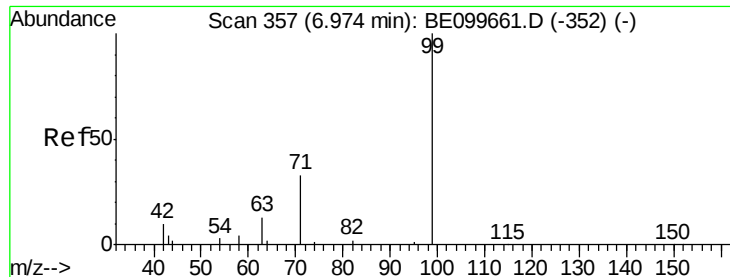


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.445 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

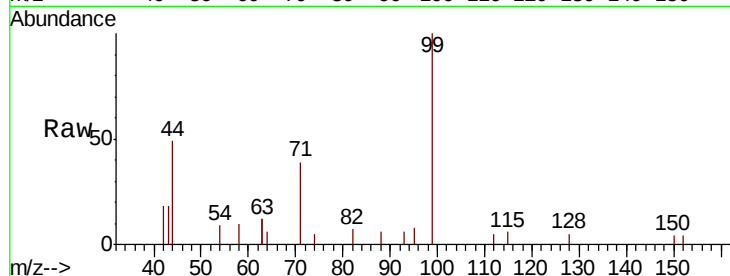
Tot Ion: 99 Resp: 2104

Ion Ratio Lower Upper

99 100

42 16.2 12.2 18.2

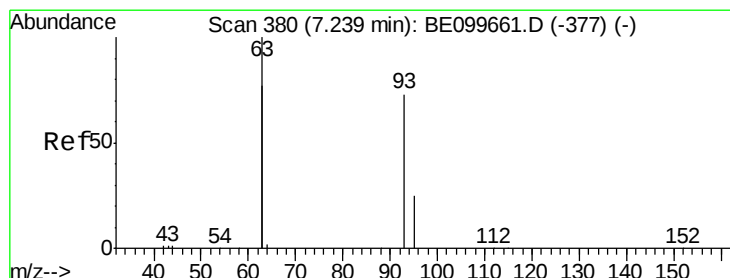
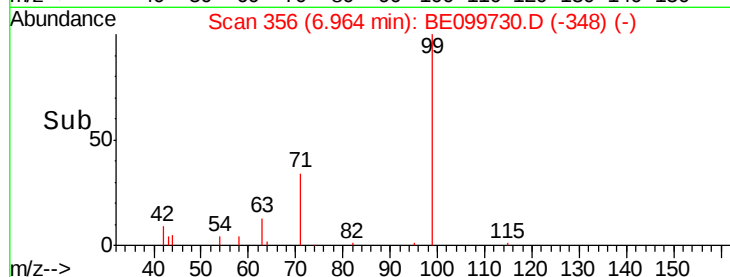
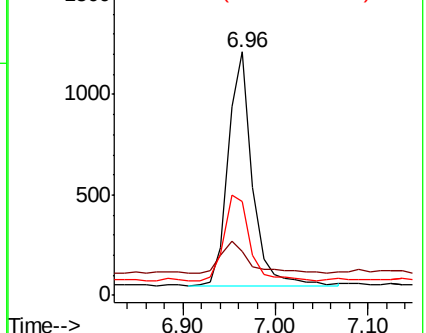
71 39.0 28.9 43.3



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



#6

bis(2-Chloroethyl)ether

Concen: 0.419 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

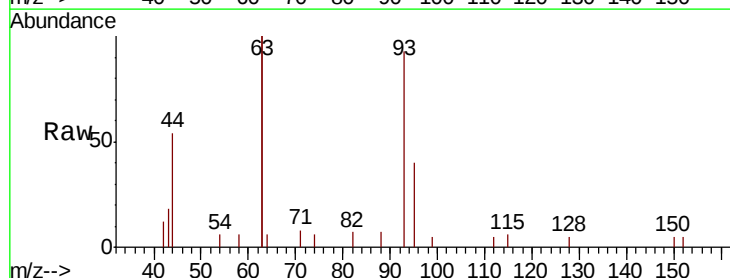
Tgt Ion: 93 Resp: 1763

Ion Ratio Lower Upper

93 100

63 262.1 207.8 311.6

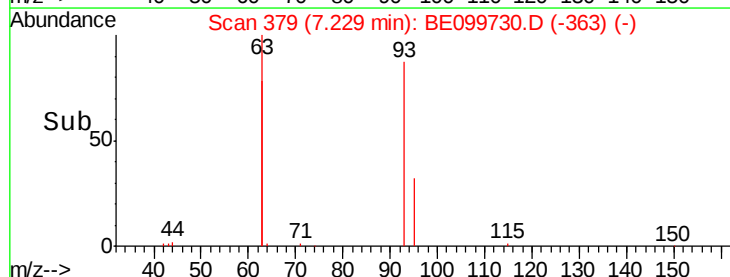
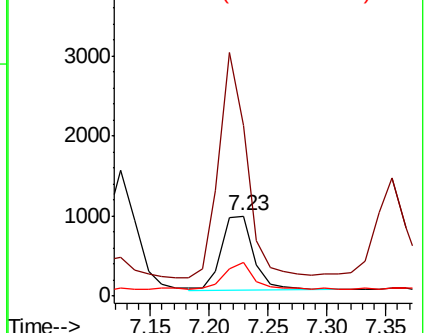
95 35.3 25.9 38.9

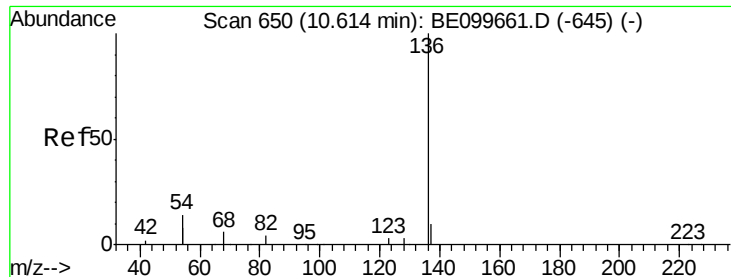


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 4861

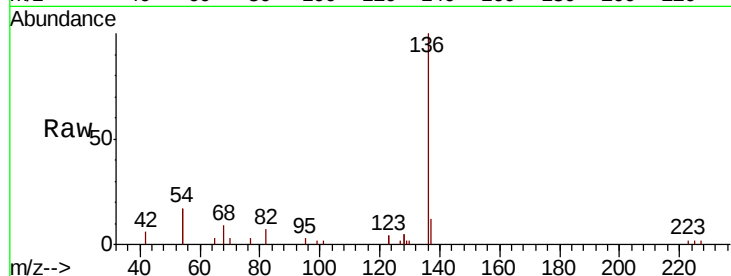
Ion Ratio Lower Upper

136 100

137 12.2 9.0 13.6

54 33.6 22.3 33.5#

68 9.5 6.0 9.0#



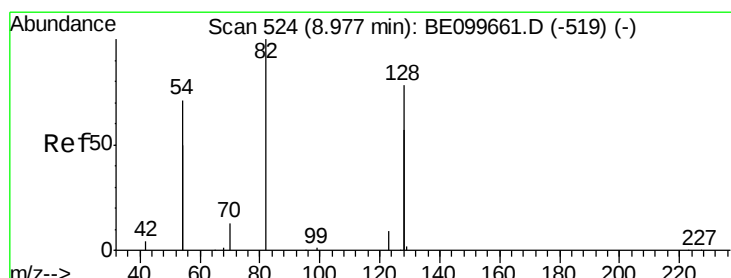
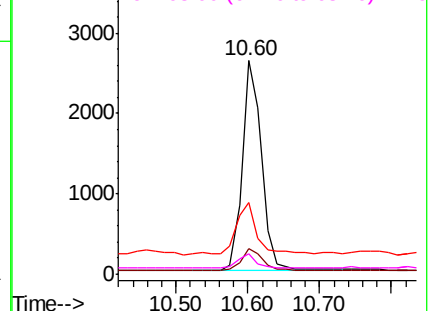
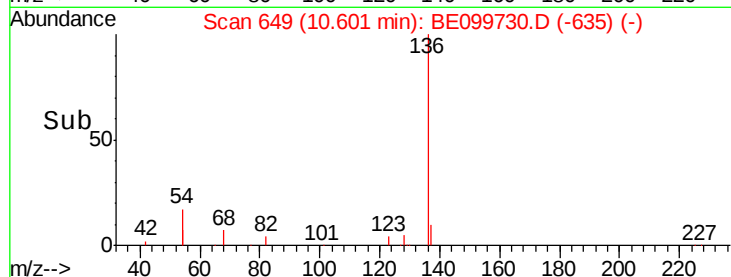
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.476 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

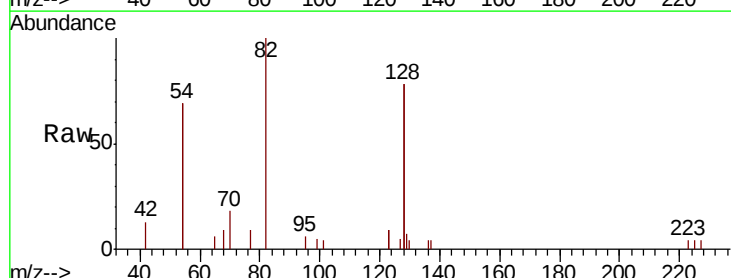
Tgt Ion: 82 Resp: 2002

Ion Ratio Lower Upper

82 100

128 156.7 117.7 176.5

54 137.3 106.6 160.0

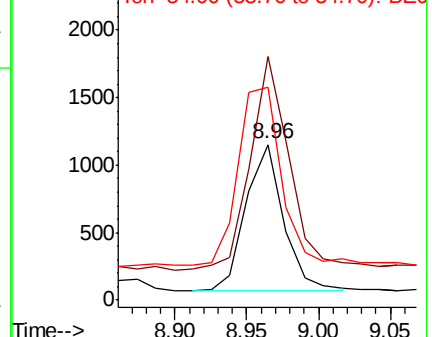
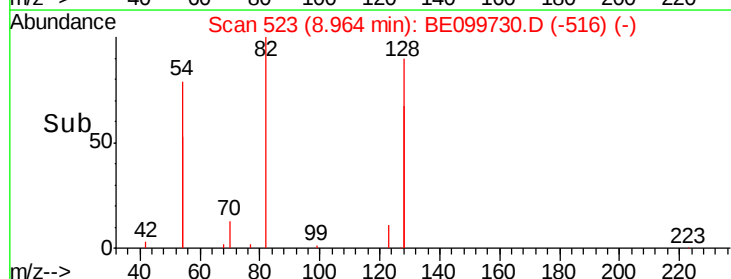


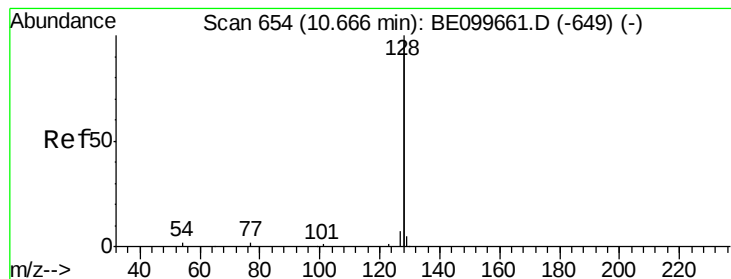
Abundance

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





#9

Naphthalene

Concen: 0.405 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

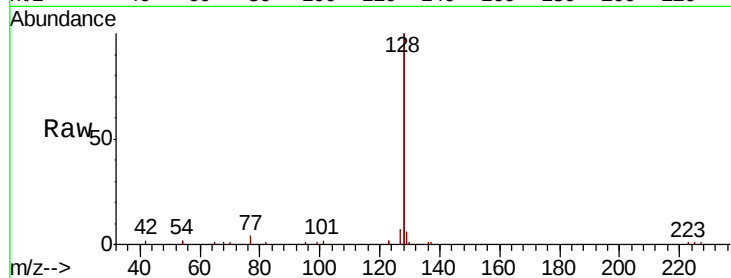
Tot Ion:128 Resp: 21064

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

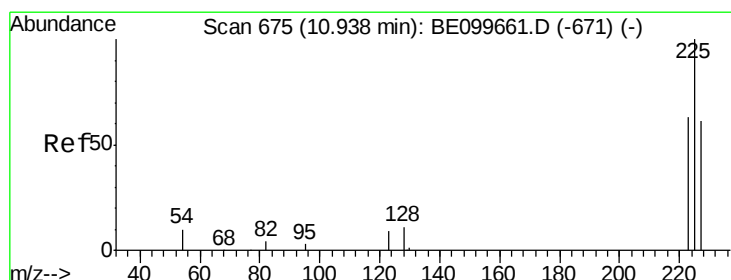
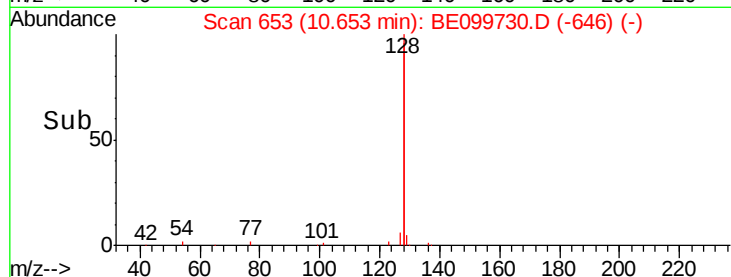
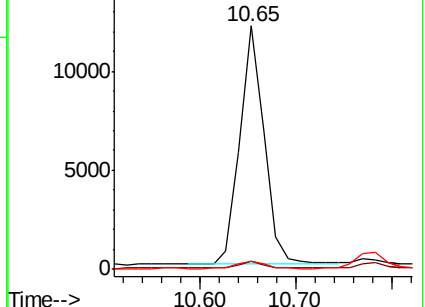
127 3.5 2.9 4.3



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



#10

Hexachlorobutadiene

Concen: 0.417 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

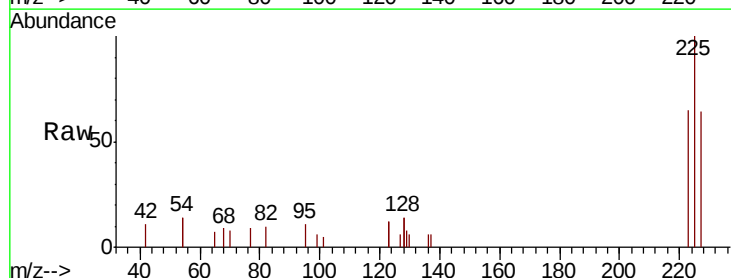
Tgt Ion:225 Resp: 1595

Ion Ratio Lower Upper

225 100

223 61.3 51.8 77.6

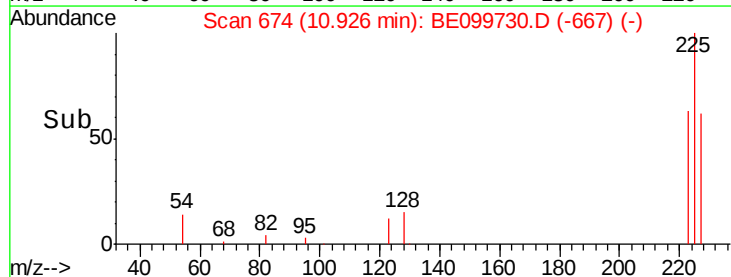
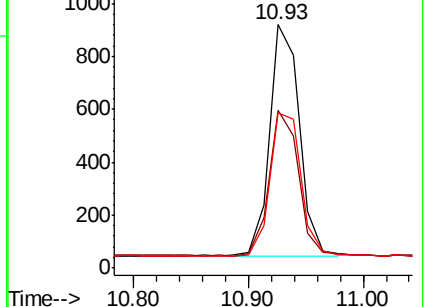
227 64.1 52.6 79.0

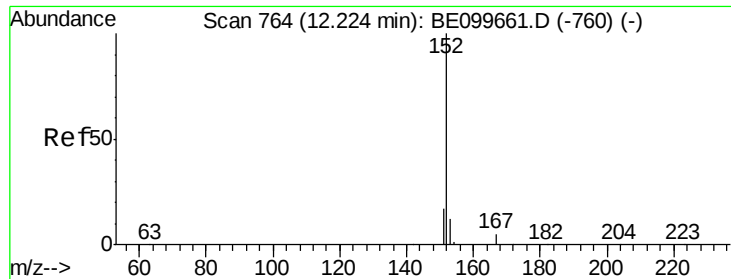


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

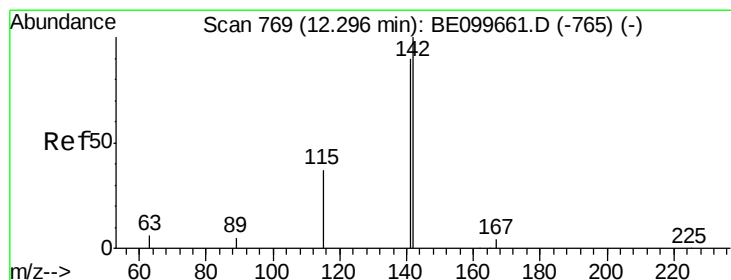
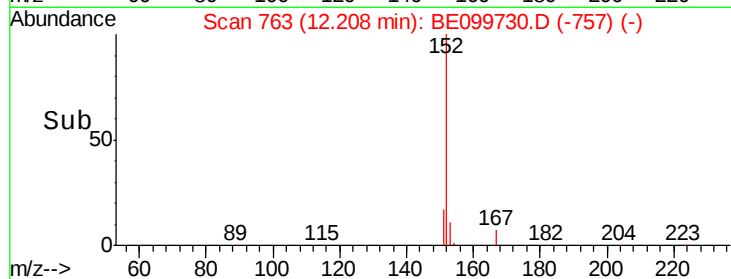
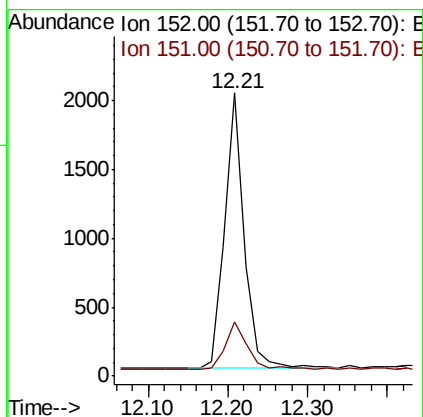
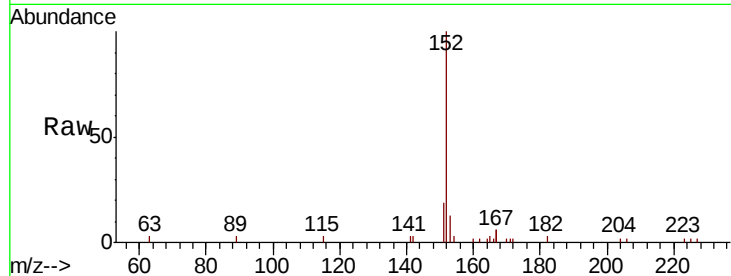




#11
 2-Methylnaphthalene-d10
 Concen: 0.400 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.02 min
 Lab File: BE099730.D
 Acq: 23 May 2019 12:20

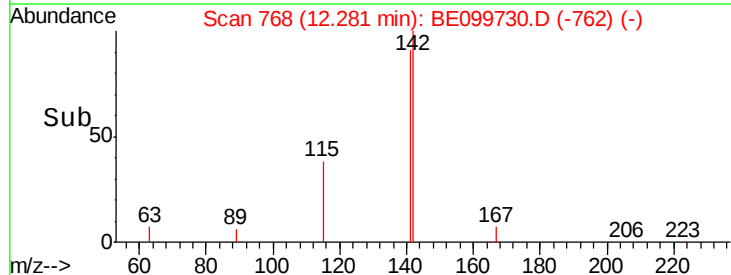
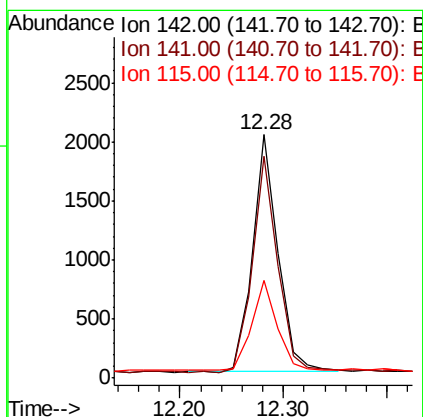
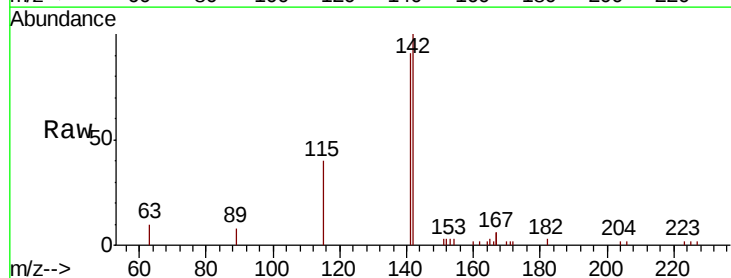
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

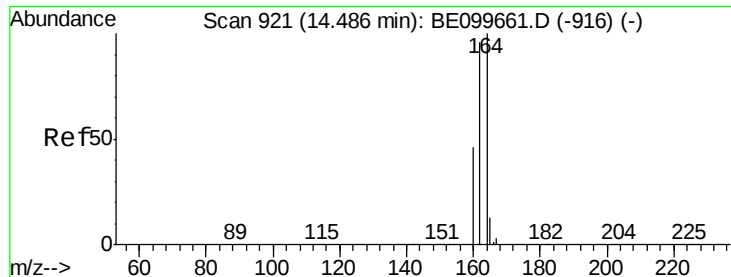
Tot Ion:152 Resp: 3355
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.0 22.4



#12
 2-Methylnaphthalene
 Concen: 0.406 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BE099730.D
 Acq: 23 May 2019 12:20

Tgt Ion:142 Resp: 3441
 Ion Ratio Lower Upper
 142 100
 141 91.0 72.0 108.0
 115 40.1 31.0 46.4

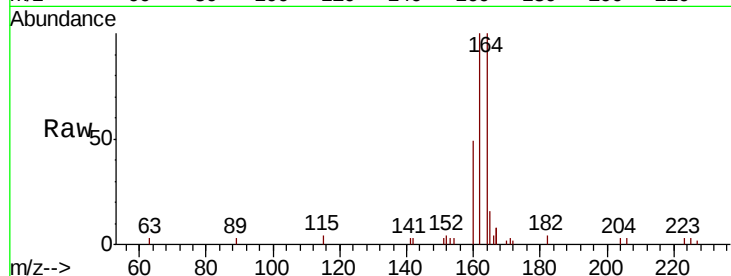




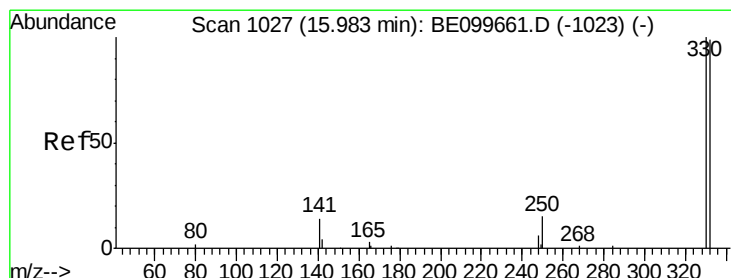
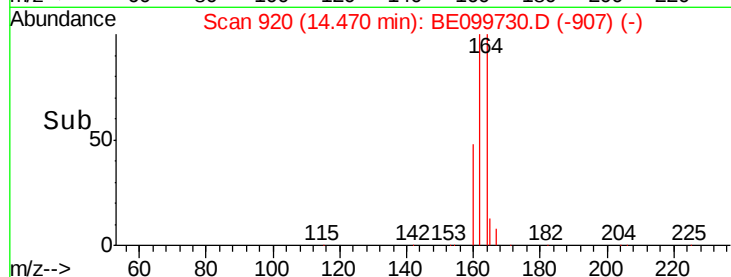
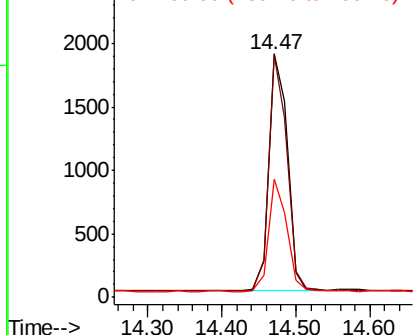
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.02 min
Lab File: BE099730.D
Acq: 23 May 2019 12:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:164 Resp: 3276
Ion Ratio Lower Upper
164 100
162 99.7 76.5 114.7
160 48.6 37.4 56.2

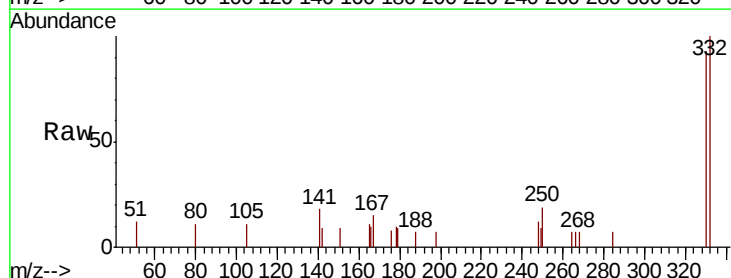


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

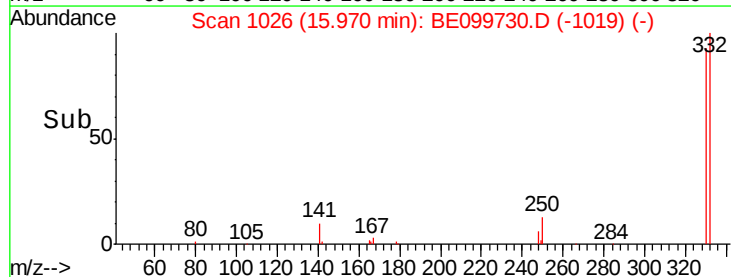
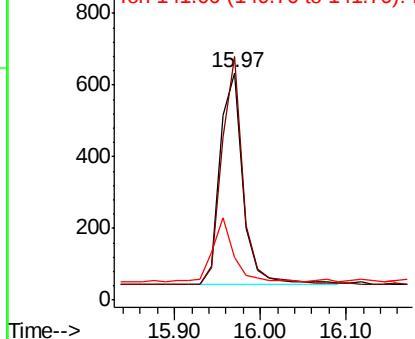


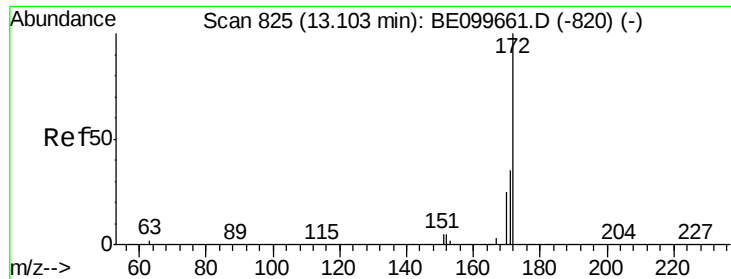
#14
2,4,6-Tribromophenol
Concen: 0.564 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099730.D
Acq: 23 May 2019 12:20

Tgt Ion:330 Resp: 1100
Ion Ratio Lower Upper
330 100
332 101.6 77.3 115.9
141 26.9 18.9 28.3



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

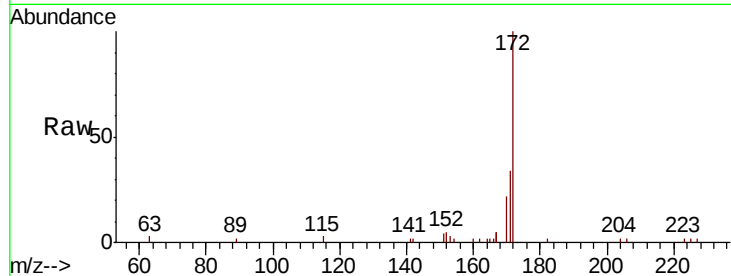




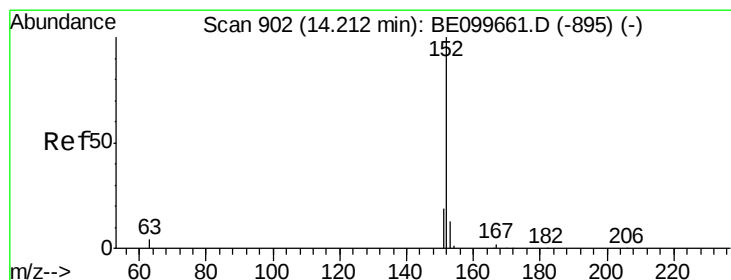
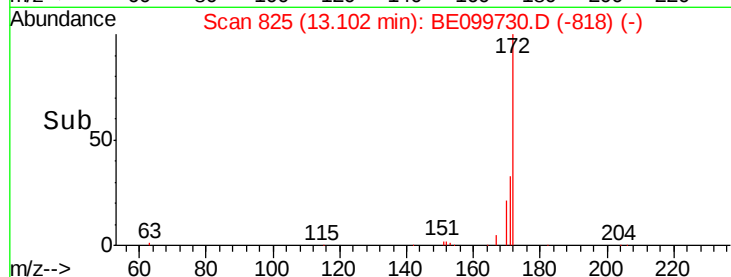
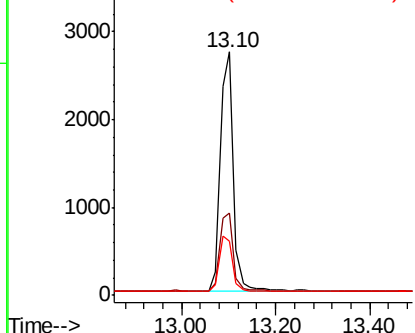
#15
2-Fluorobiphenyl
Concen: 0.420 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099730.D
Acq: 23 May 2019 12:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:172 Resp: 5221
Ion Ratio Lower Upper
172 100
171 33.9 28.7 43.1
170 22.3 20.9 31.3

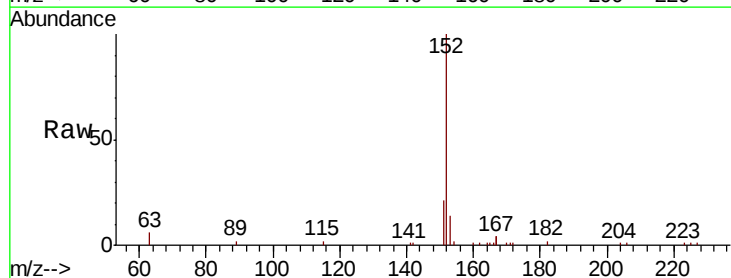


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

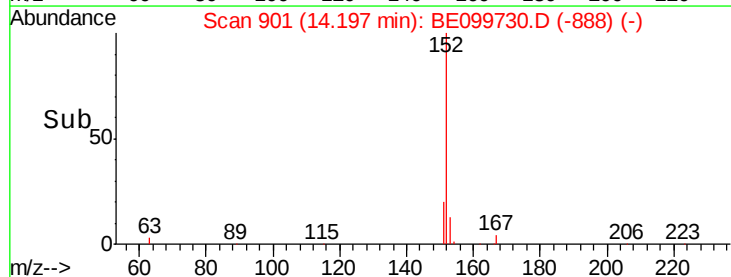
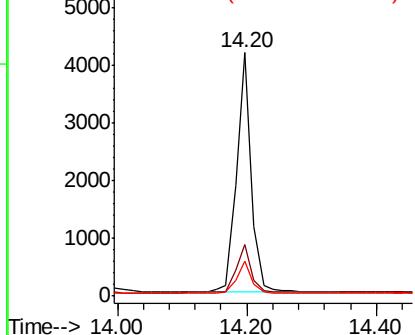


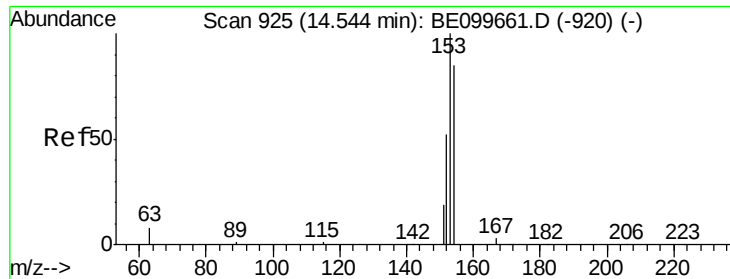
#16
Acenaphthylene
Concen: 0.426 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099730.D
Acq: 23 May 2019 12:20

Tgt Ion:152 Resp: 6503
Ion Ratio Lower Upper
152 100
151 20.7 15.9 23.9
153 13.0 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

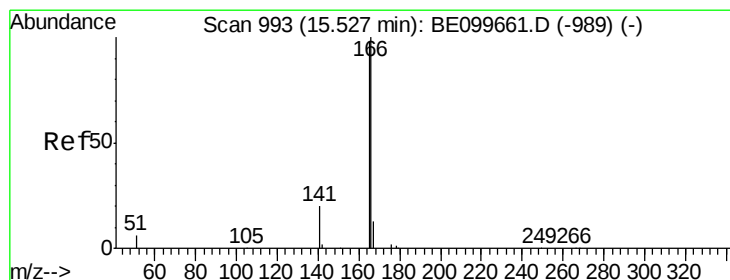
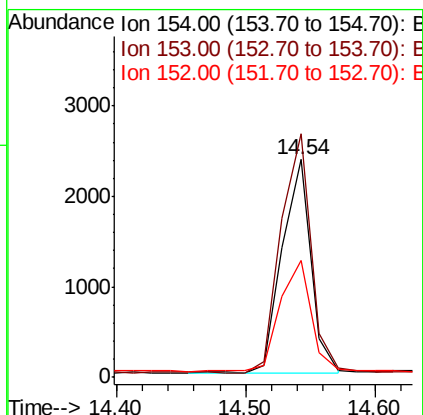
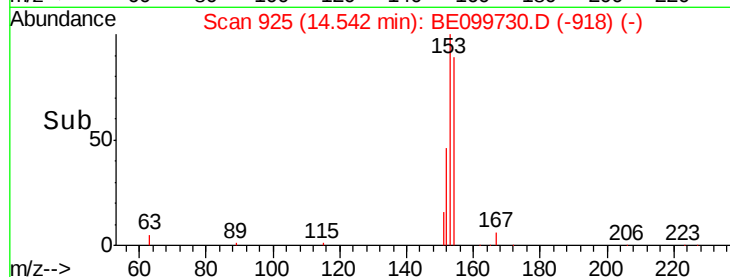
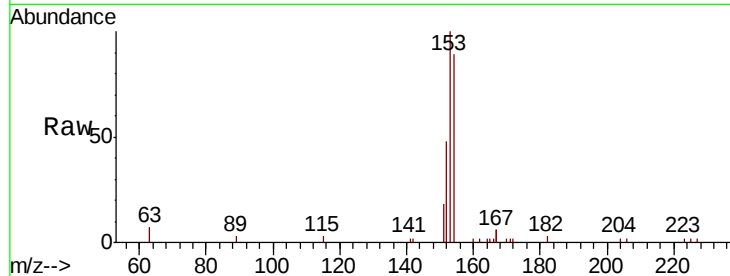




#17
Acenaphthene
Concen: 0.427 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099730.D
Acq: 23 May 2019 12:20

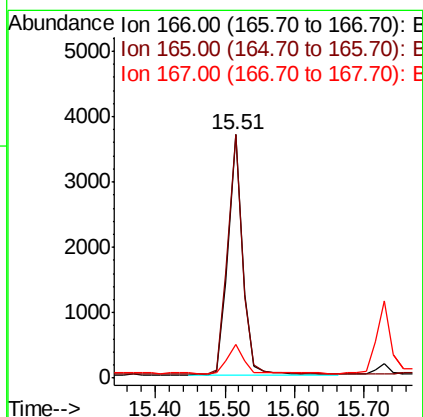
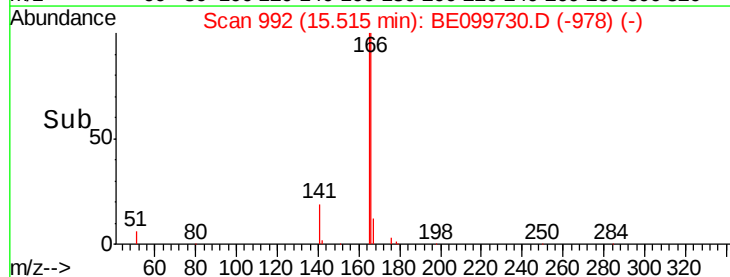
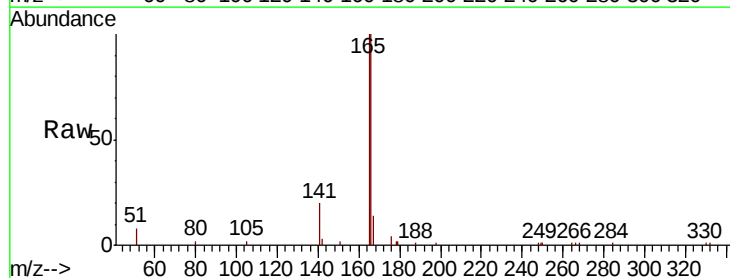
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

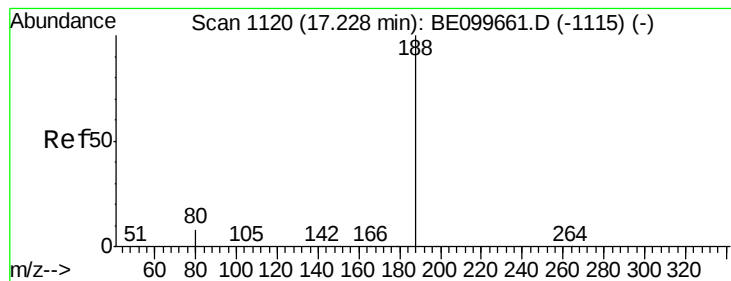
Tot Ion:154 Resp: 3658
Ion Ratio Lower Upper
154 100
153 116.8 91.8 137.6
152 55.4 46.0 69.0



#18
Fluorene
Concen: 0.423 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099730.D
Acq: 23 May 2019 12:20

Tgt Ion:166 Resp: 5341
Ion Ratio Lower Upper
166 100
165 102.0 80.3 120.5
167 13.3 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

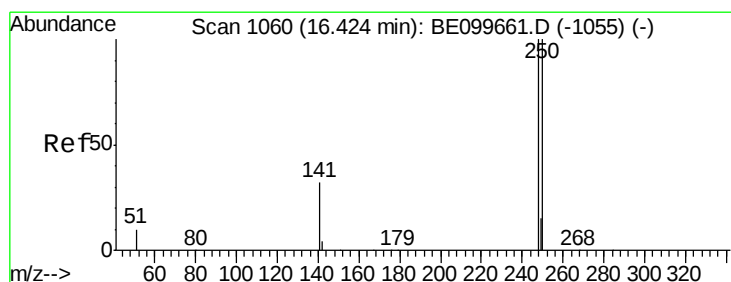
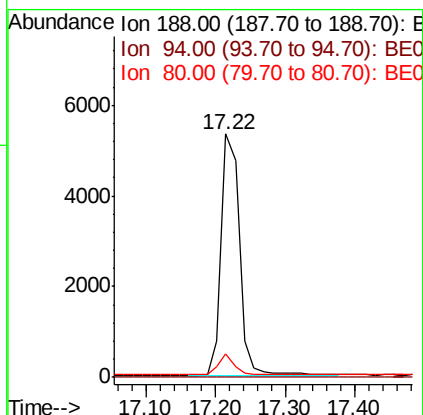
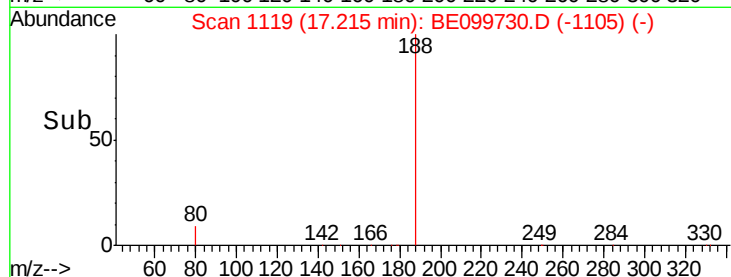
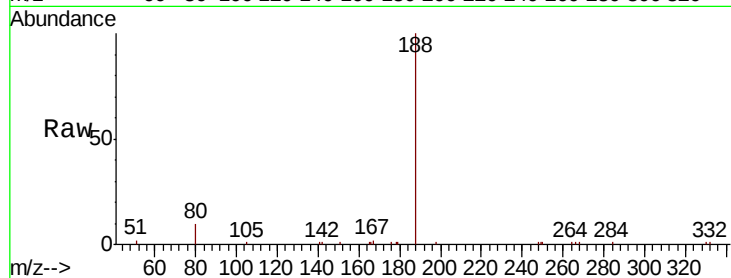
Tot Ion:188 Resp: 9667

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 6.7 10.1



#20

4-Bromophenyl-phenylether

Concen: 0.415 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

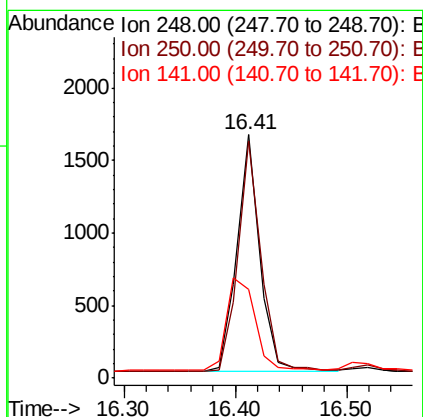
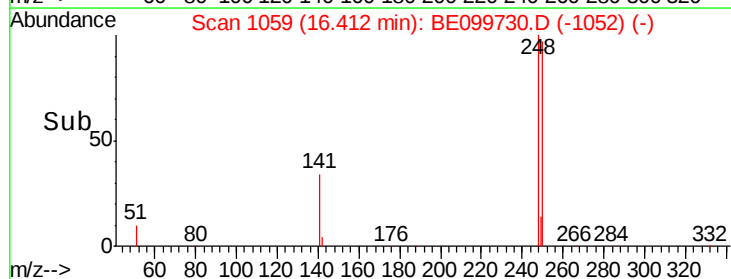
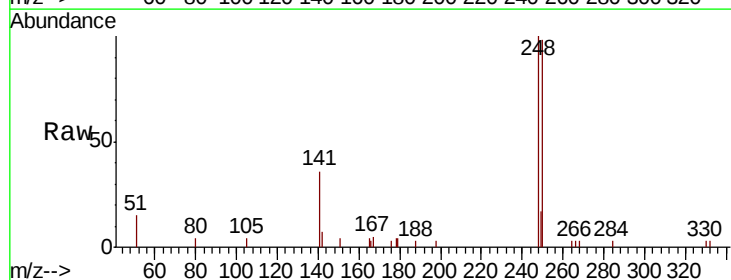
Tgt Ion:248 Resp: 2316

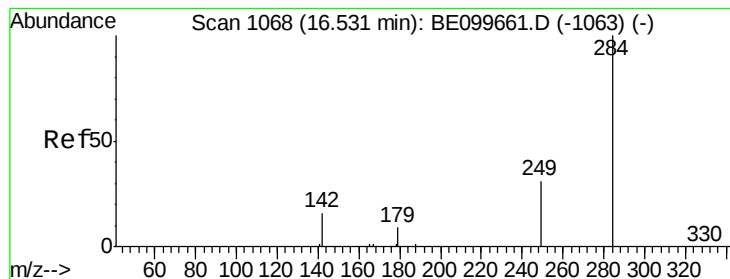
Ion Ratio Lower Upper

248 100

250 97.7 79.8 119.8

141 36.3 27.0 40.6





#21

Hexachlorobenzene

Concen: 0.399 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

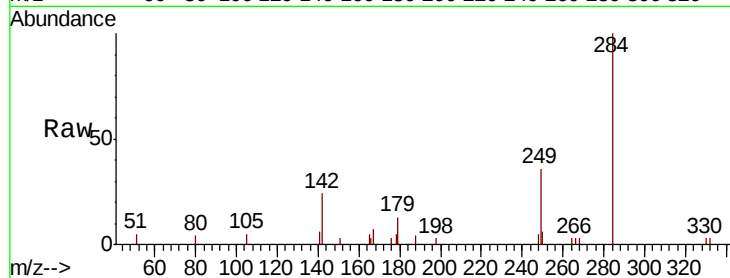
Tot Ion:284 Resp: 2276

Ion Ratio Lower Upper

284 100

142 24.4 17.8 26.6

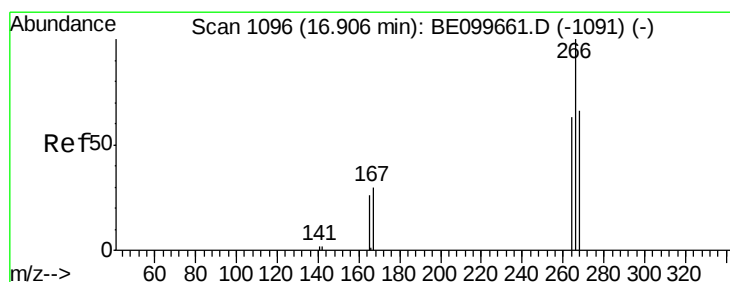
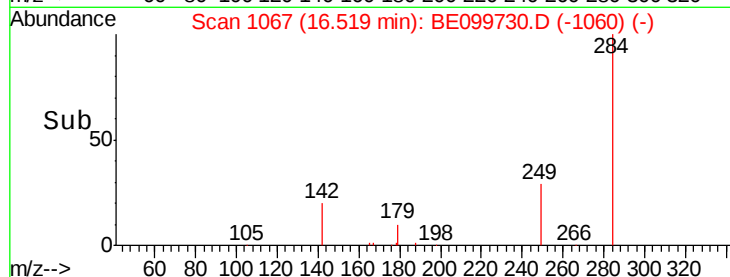
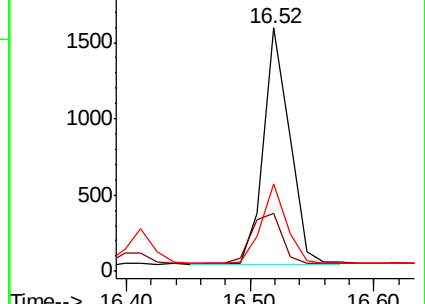
249 32.5 24.8 37.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.874 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

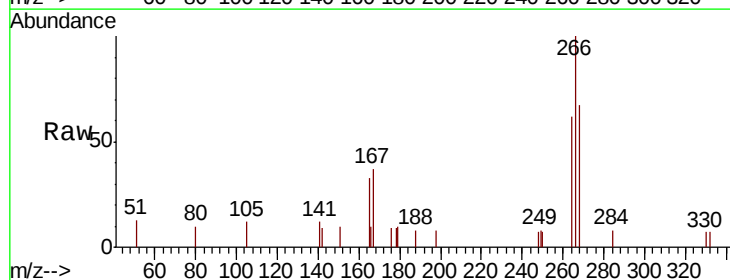
Tgt Ion:266 Resp: 1297

Ion Ratio Lower Upper

266 100

264 61.9 57.2 85.8

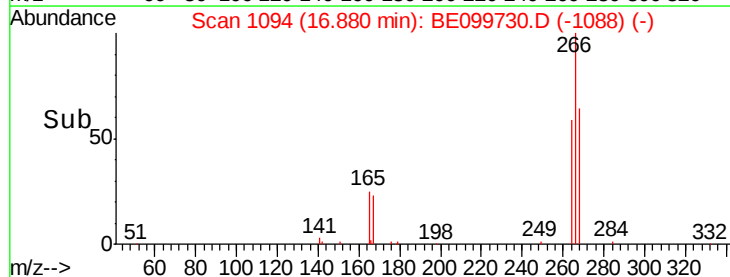
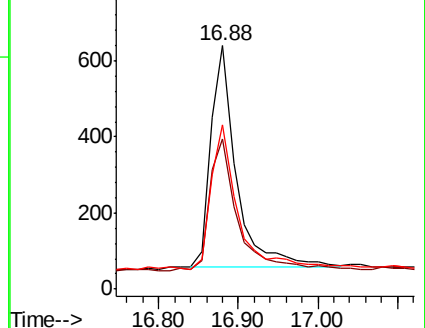
268 67.3 60.5 90.7



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: 0.408 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

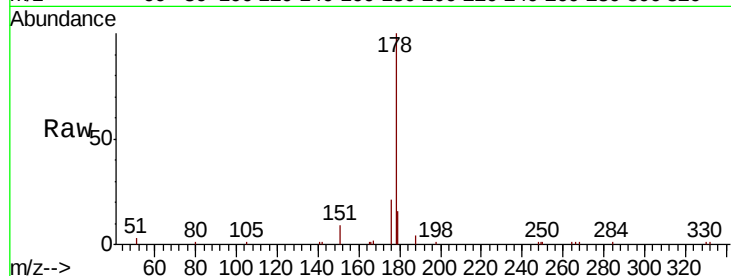
Tot Ion:178 Resp: 9640

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

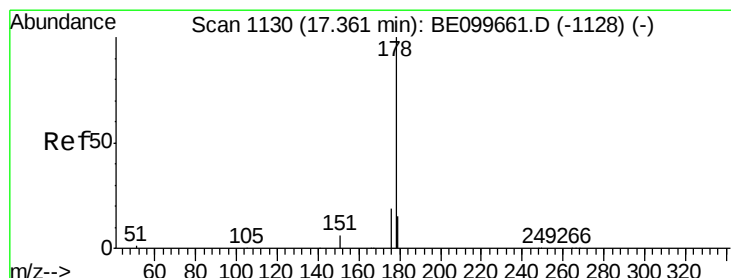
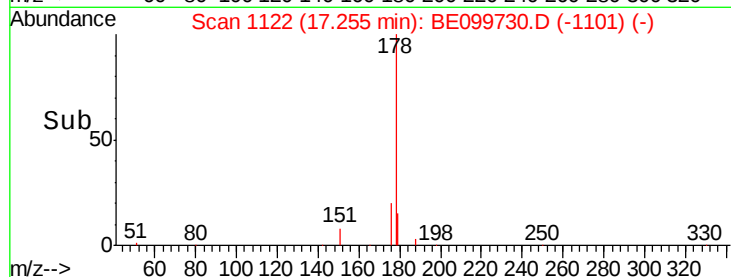
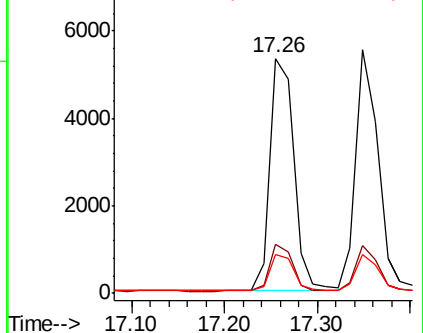
179 15.3 12.2 18.4



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



#24

Anthracene

Concen: 0.418 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

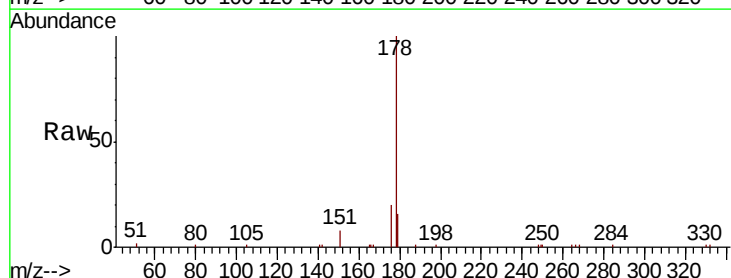
Tgt Ion:178 Resp: 8962

Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

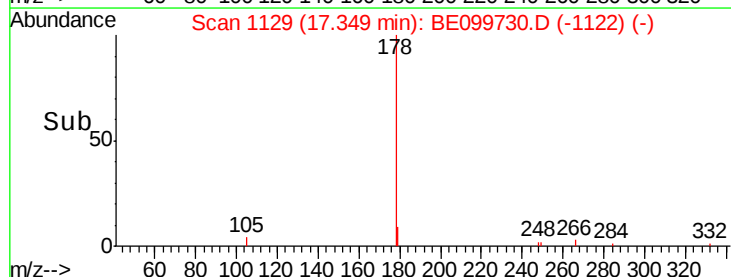
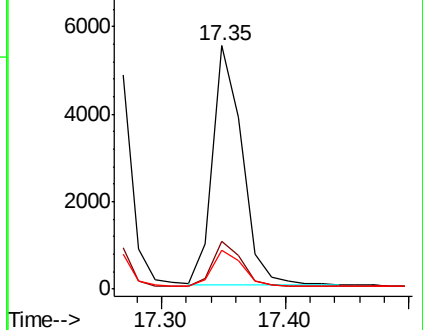
179 15.4 12.0 18.0

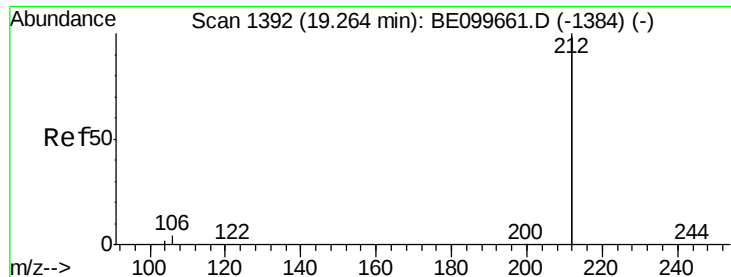


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.409 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

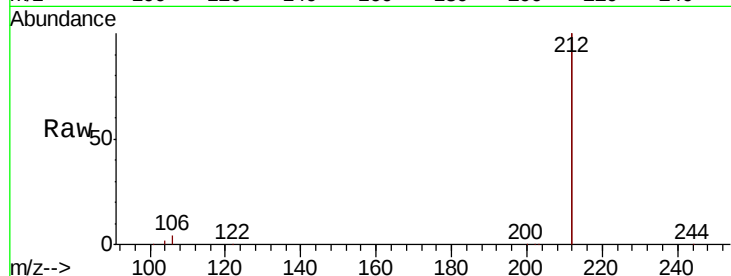
Tot Ion:212 Resp: 54071

Ion Ratio Lower Upper

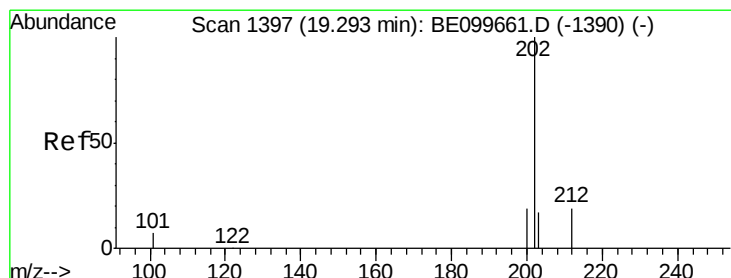
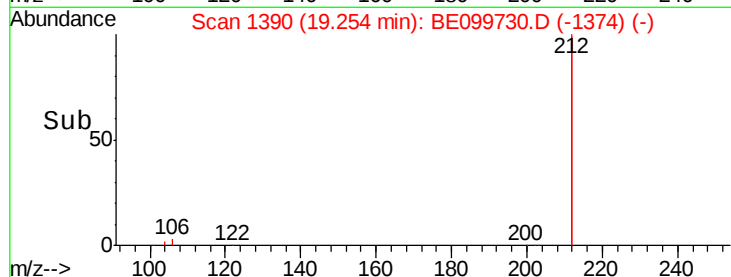
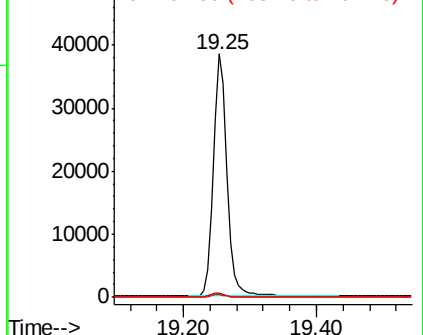
212 100

106 1.8 1.4 2.2

104 1.0 0.8 1.2



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: 0.404 ng

RT: 19.28 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

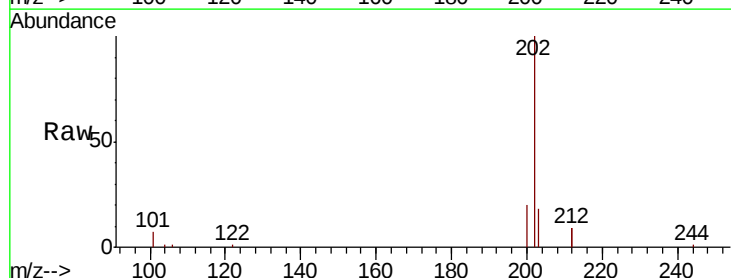
Tgt Ion:202 Resp: 15073

Ion Ratio Lower Upper

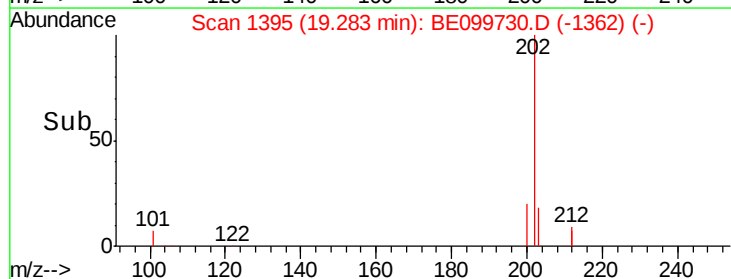
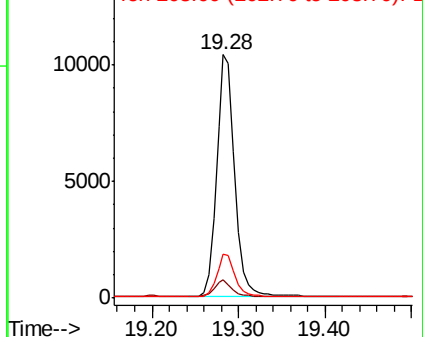
202 100

101 6.5 5.2 7.8

203 17.3 13.8 20.6



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

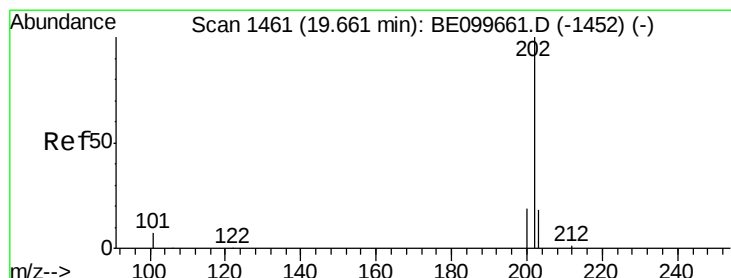
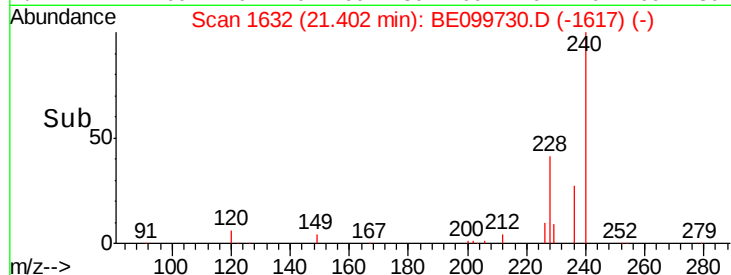
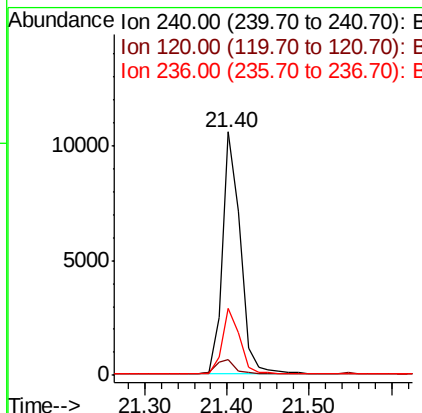
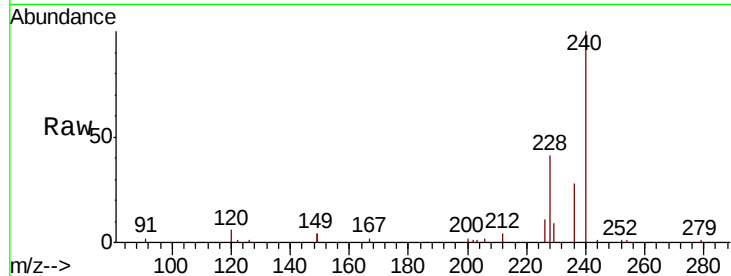




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099730.D
Acq: 23 May 2019 12:20

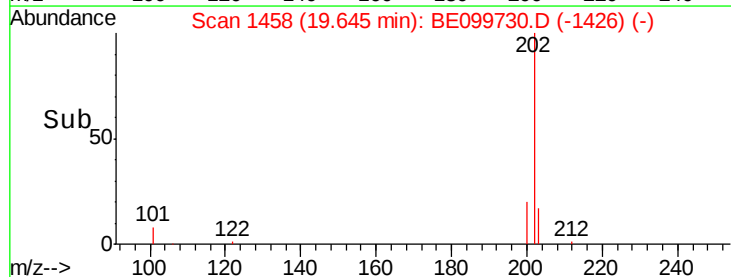
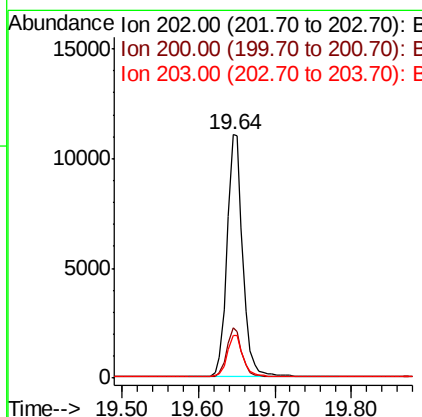
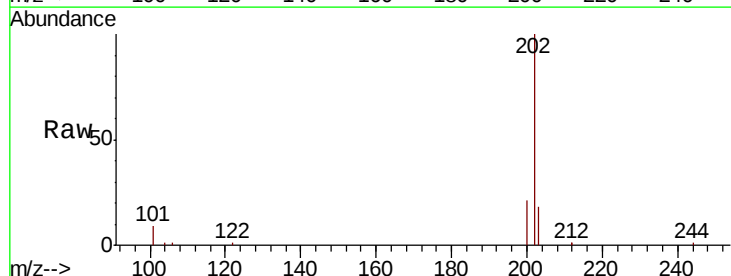
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

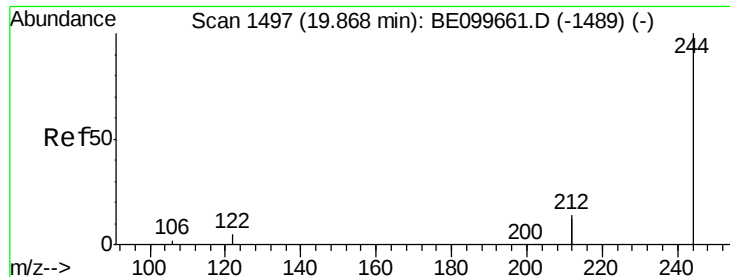
Tot Ion:240 Resp: 16061
Ion Ratio Lower Upper
240 100
120 6.3 5.4 8.0
236 27.7 21.7 32.5



#28
Pyrene
Concen: 0.395 ng
RT: 19.64 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BE099730.D
Acq: 23 May 2019 12:20

Tgt Ion:202 Resp: 15924
Ion Ratio Lower Upper
202 100
200 19.5 15.4 23.2
203 17.3 13.8 20.8





#29

Terphenyl-d14

Concen: 0.395 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

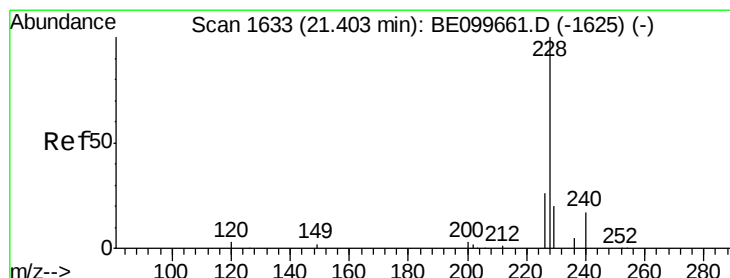
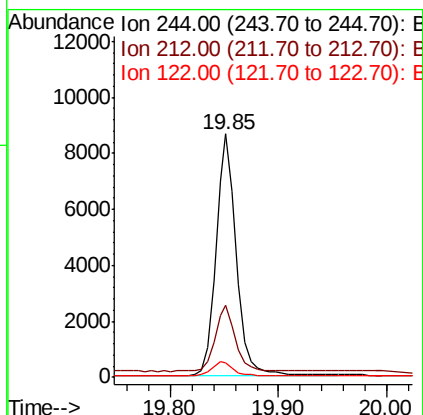
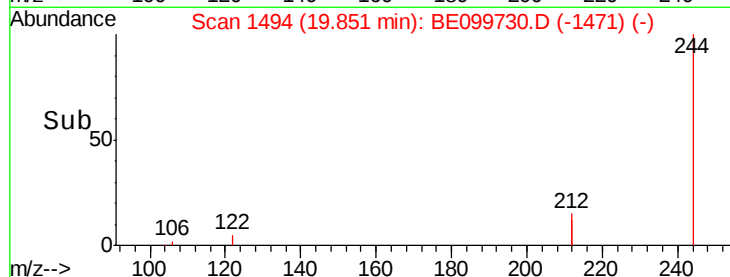
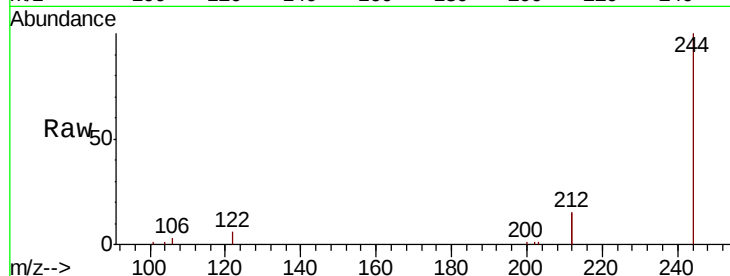
Tot Ion:244 Resp: 11313

Ion Ratio Lower Upper

244 100

212 29.8 22.5 33.7

122 6.0 4.3 6.5



#30

Benzo(a)anthracene

Concen: 0.437 ng

RT: 21.39 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

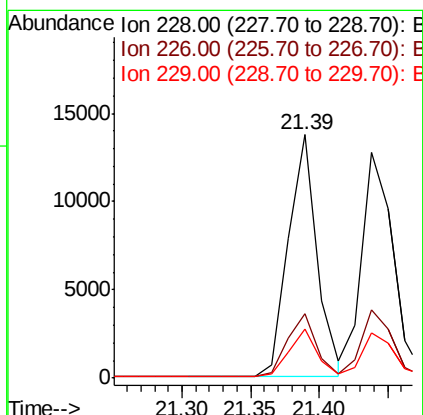
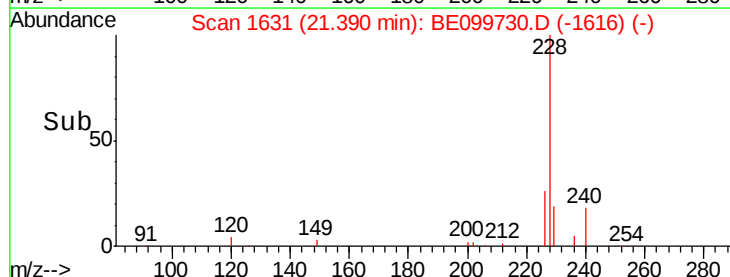
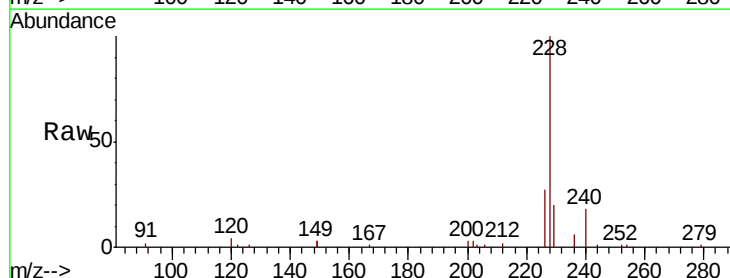
Tgt Ion:228 Resp: 19946

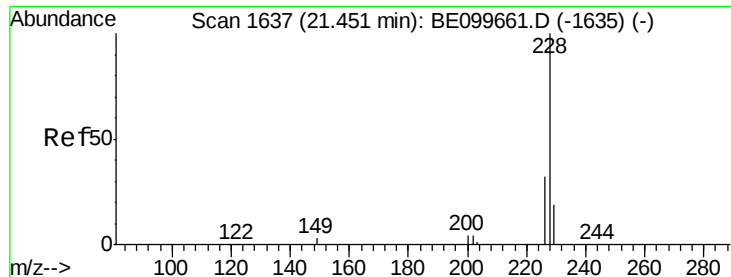
Ion Ratio Lower Upper

228 100

226 26.6 21.3 31.9

229 20.0 16.1 24.1





#31

Chrysene

Concen: 0.412 ng

RT: 21.44 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

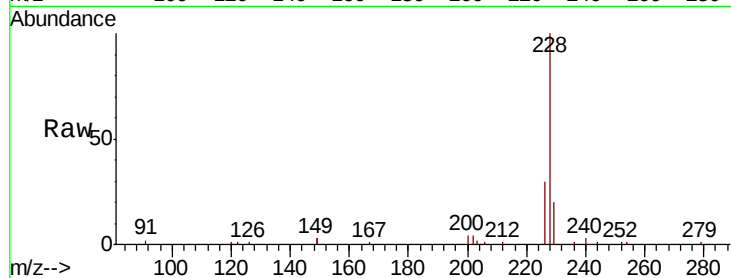
Tot Ion:228 Resp: 20081

Ion Ratio Lower Upper

228 100

226 30.4 24.7 37.1

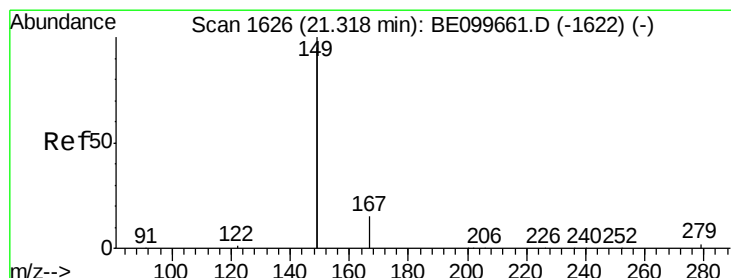
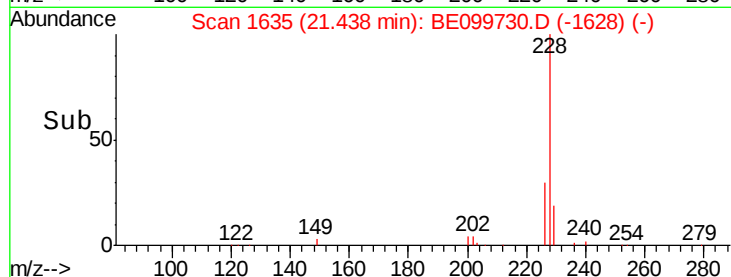
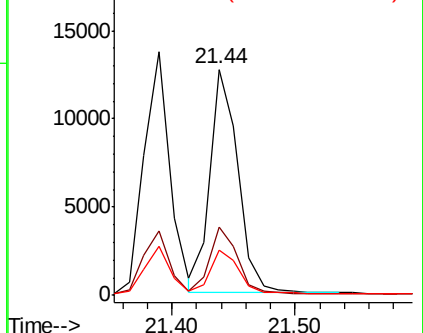
229 20.0 15.8 23.6



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: 0.582 ng

RT: 21.30 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

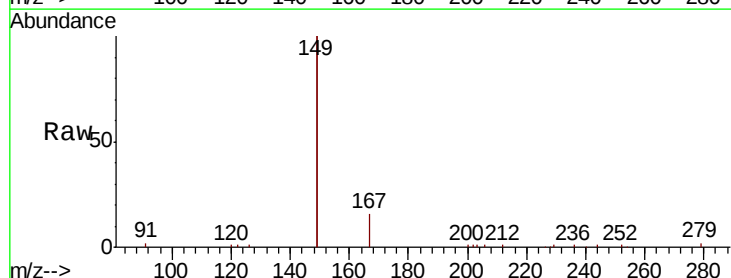
Tgt Ion:149 Resp: 30608

Ion Ratio Lower Upper

149 100

167 7.7 6.2 9.4

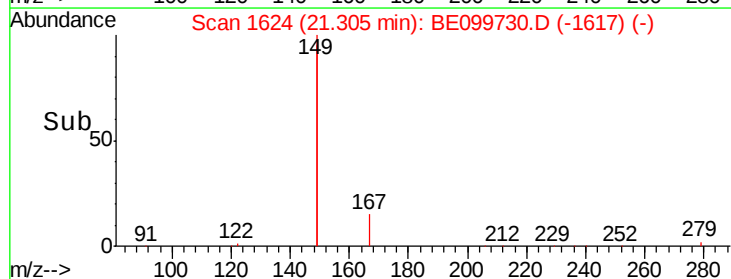
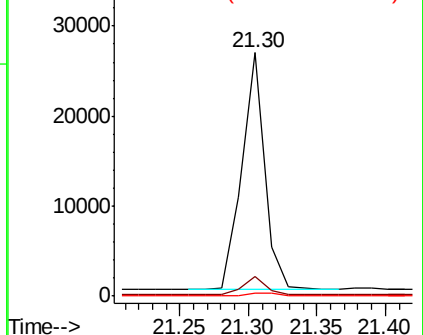
279 1.5 1.2 1.8

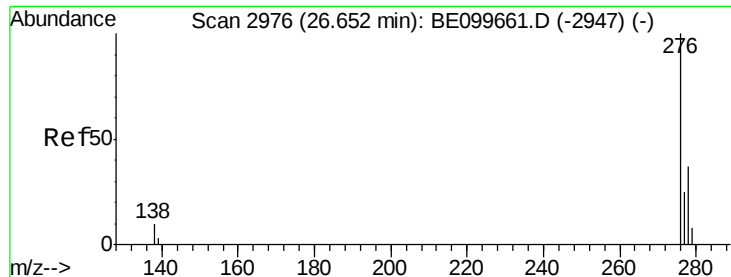


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.441 ng

RT: 26.63 min Scan# 2968

Delta R.T. -0.02 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

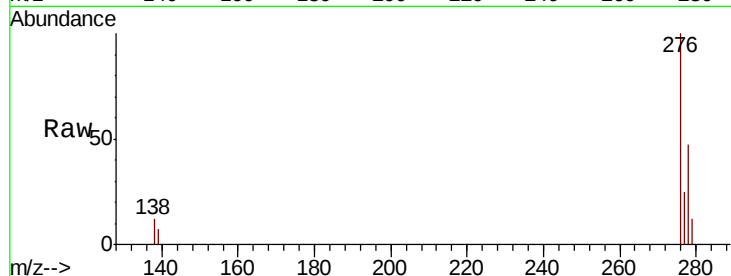
Tot Ion:276 Resp: 25975

Ion Ratio Lower Upper

276 100

138 12.6 9.6 14.4

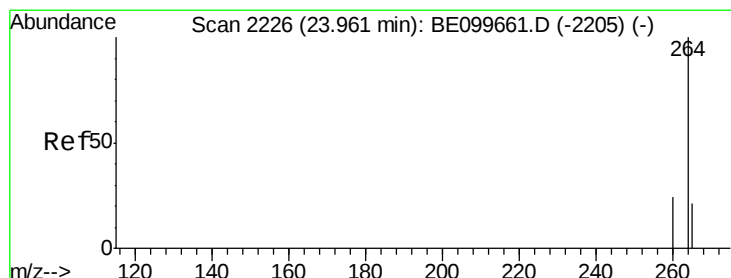
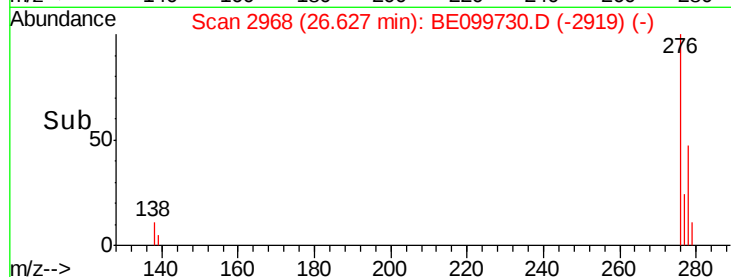
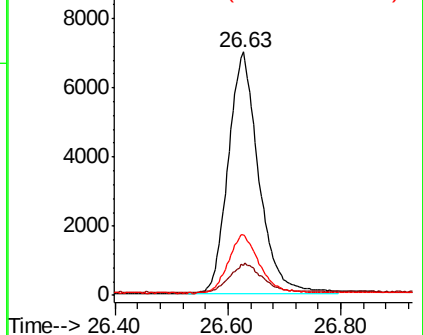
277 24.7 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

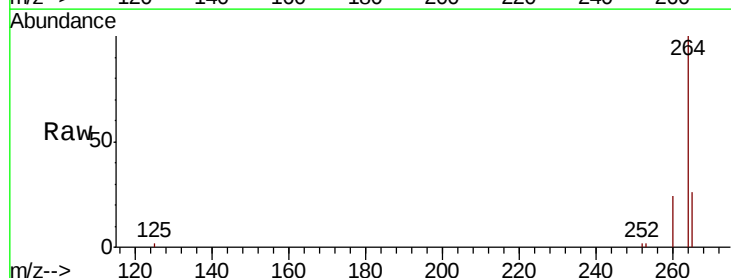
Tgt Ion:264 Resp: 18559

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

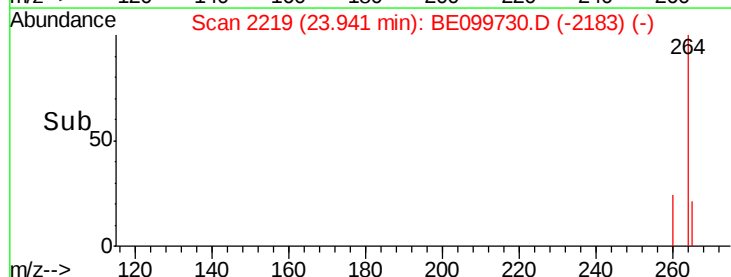
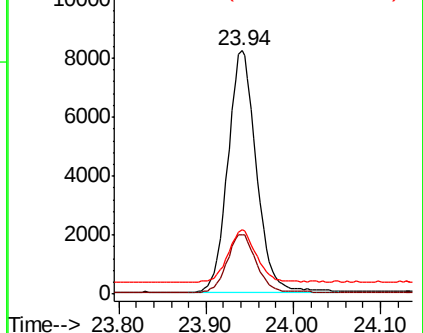
265 26.2 19.1 28.7



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: 0.408 ng

RT: 23.21 min Scan# 2013

Delta R.T. 0.03 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

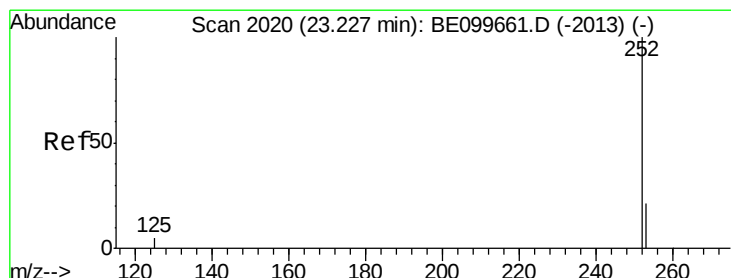
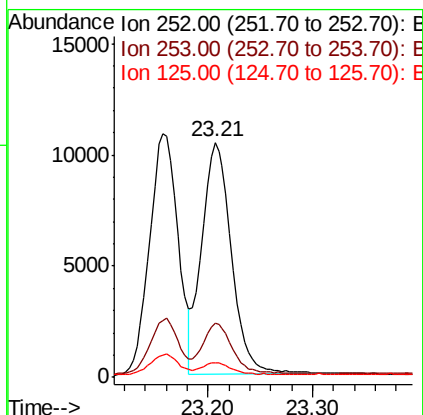
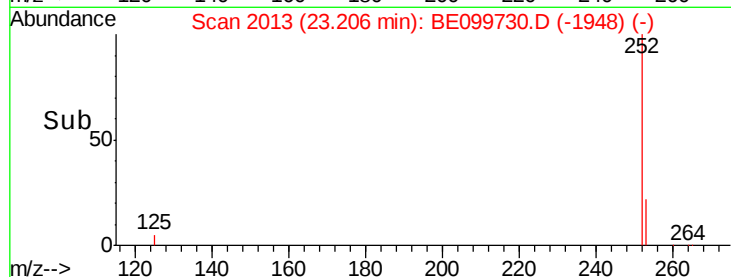
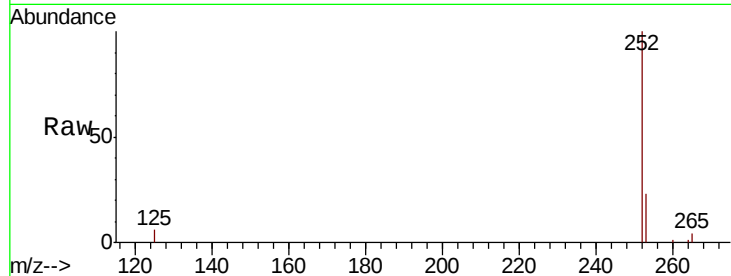
Tot Ion:252 Resp: 20749

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.4

125 6.4 4.5 6.7



#36

Benzo(k)fluoranthene

Concen: 0.391 ng

RT: 23.21 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

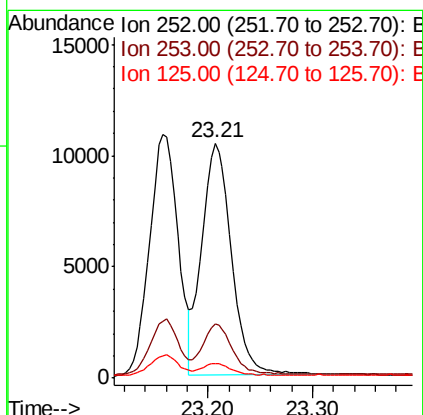
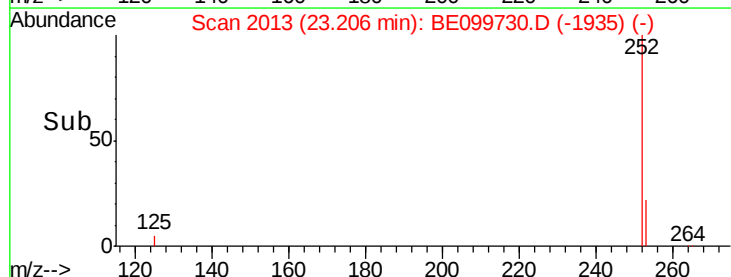
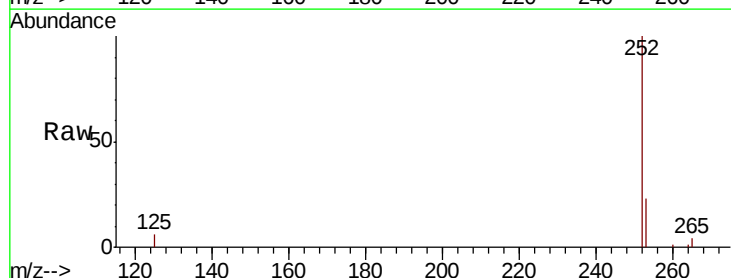
Tgt Ion:252 Resp: 20749

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 6.4 4.6 6.8





#37

Benzo(a)pyrene

Concen: 0.411 ng

RT: 23.82 min Scan# 2186

Delta R.T. -0.02 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

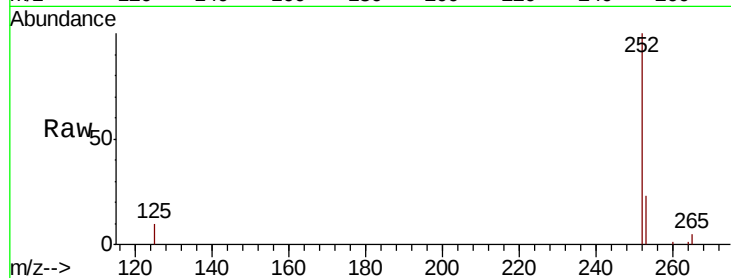
Tot Ion:252 Resp: 20110

Ion Ratio Lower Upper

252 100

253 22.7 18.9 28.3

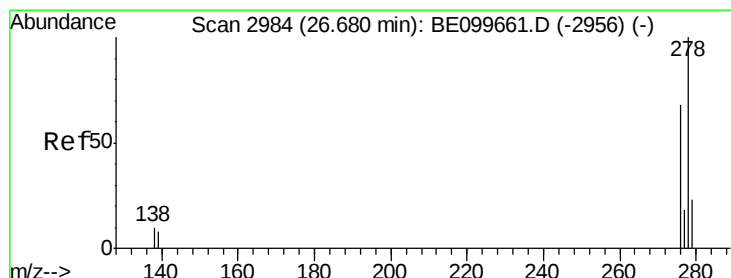
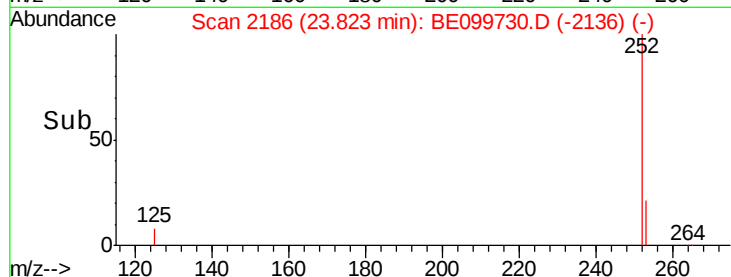
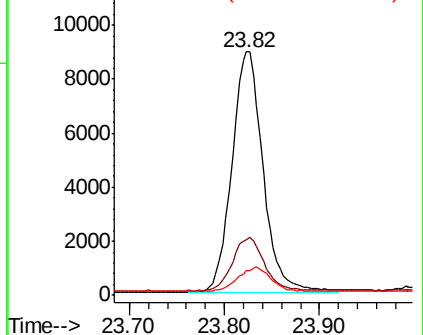
125 9.9 5.4 8.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.412 ng

RT: 26.65 min Scan# 2974

Delta R.T. -0.03 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

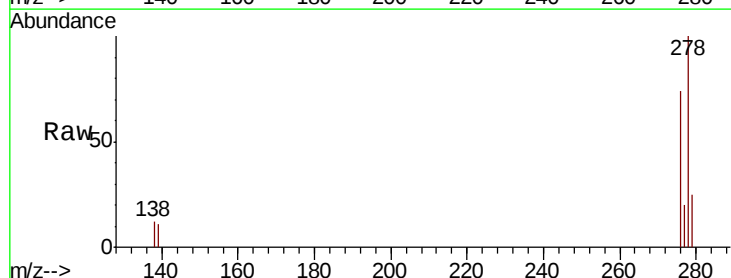
Tgt Ion:278 Resp: 21193

Ion Ratio Lower Upper

278 100

139 11.1 6.9 10.3#

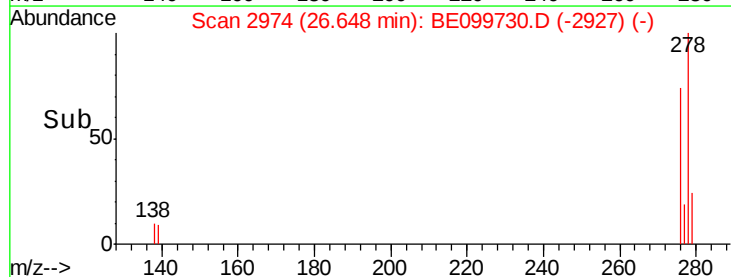
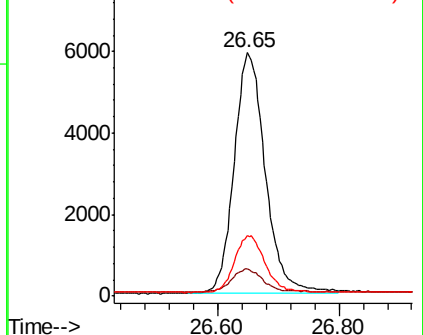
279 24.9 19.2 28.8

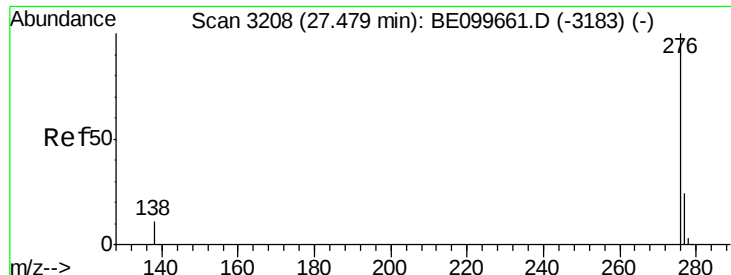


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.409 ng

RT: 27.45 min Scan# 3200

Delta R.T. -0.02 min

Lab File: BE099730.D

Acq: 23 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

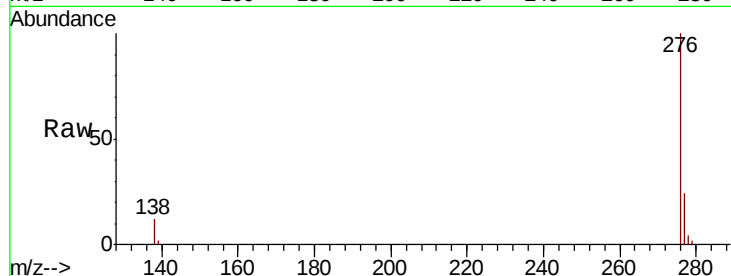
Tot Ion: 276 Resp: 21213

Ion Ratio Lower Upper

276 100

277 24.2 19.8 29.6

138 12.1 9.2 13.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

