

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099179.D
 Acq On : 25 Mar 2019 12:28
 Operator : JU/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Quant Time: Mar 25 14:14:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 25 14:07:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3908	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	17720	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	12751	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	31902	0.40	ng	0.00
27) Chrysene-d12	21.38	240	36298	0.40	ng	-0.01
34) Perylene-d12	23.89	264	35971	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	9131	0.78	ng	0.00
5) Phenol-d6	6.99	99	14312	0.85	ng	0.00
8) Nitrobenzene-d5	8.99	82	11336	1.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	27735	0.87	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	3363	0.90	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	42315	0.83	ng	0.00
25) Fluoranthene-d10	19.24	212	312914	0.74	ng	0.00
29) Terphenyl-d14	19.83	244	64156	0.84	ng	0.00

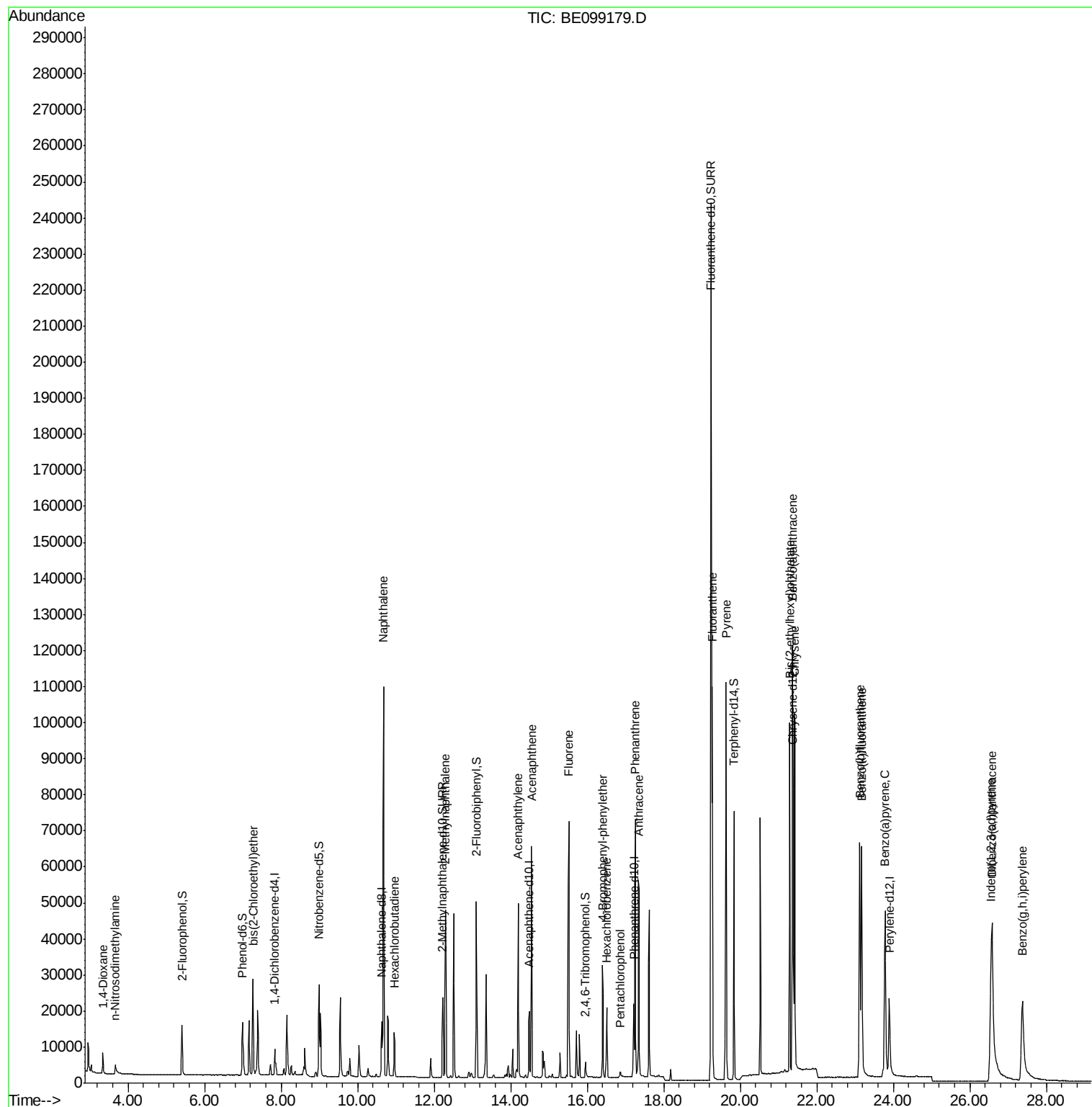
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	3919	0.646	ng	90
3) n-Nitrosodimethylamine	3.66	42	2346	0.750	ng	# 96
6) bis(2-Chloroethyl)ether	7.26	93	11048	0.811	ng	97
9) Naphthalene	10.68	128	169570	0.812	ng	100
10) Hexachlorobutadiene	10.95	225	8957	0.877	ng	97
12) 2-Methylnaphthalene	12.30	142	30098	0.842	ng	99
16) Acenaphthylene	14.20	152	51893	0.763	ng	99
17) Acenaphthene	14.54	154	31021	0.769	ng	99
18) Fluorene	15.51	166	44355	0.753	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	16935	0.959	ng	# 66
21) Hexachlorobenzene	16.51	284	16052	0.979	ng	98
22) Pentachlorophenol	16.87	266	1469	0.470	ng	98
23) Phenanthrene	17.26	178	77800	0.821	ng	100
24) Anthracene	17.34	178	68749	0.767	ng	100
26) Fluoranthene	19.27	202	97710	0.733	ng	100
28) Pyrene	19.63	202	98414	0.799	ng	100
30) Benzo(a)anthracene	21.37	228	96253	0.753	ng	100
31) Chrysene	21.43	228	104455	0.817	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	102304	0.616	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	97341	0.709	ng	# 90
35) Benzo(b)fluoranthene	23.12	252	96447	0.775	ng	99
36) Benzo(k)fluoranthene	23.17	252	103341	0.848	ng	99
37) Benzo(a)pyrene	23.78	252	90196	0.784	ng	99
38) Dibenzo(a,h)anthracene	26.58	278	80126	0.716	ng	99
39) Benzo(g,h,i)perylene	27.37	276	80626	0.702	ng	99

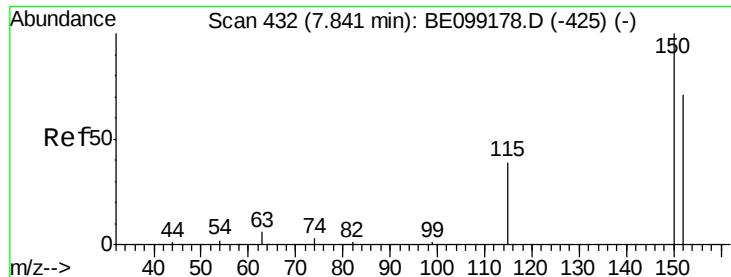
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.84 min Scan# 432

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

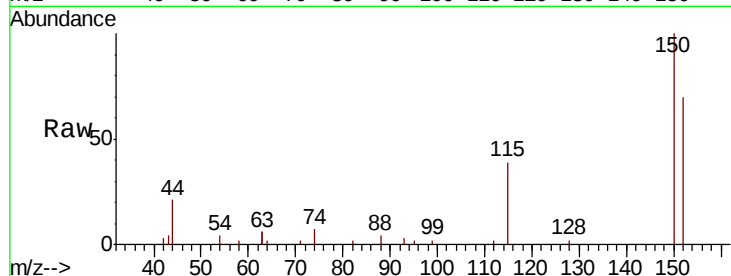
Tot Ion:152 Resp: 3908

Ion Ratio Lower Upper

152 100

150 143.3 112.8 169.2

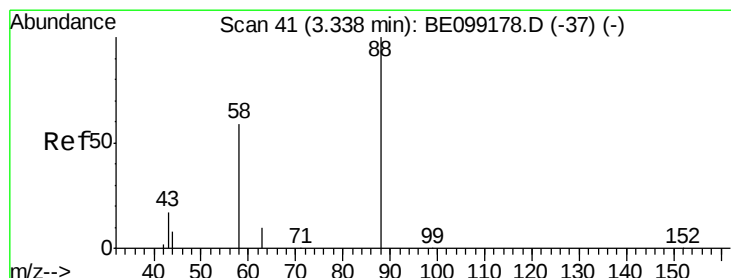
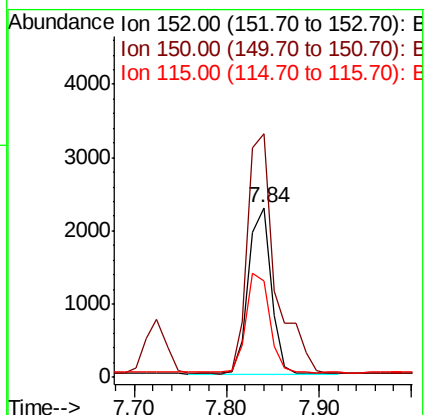
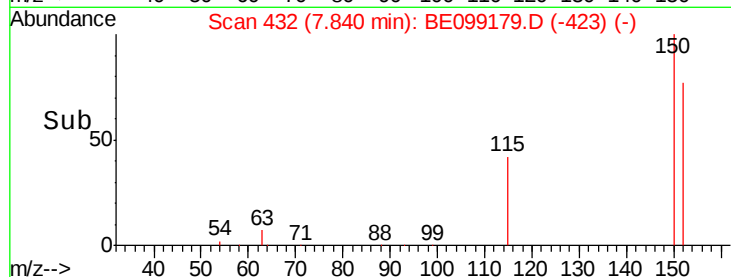
115 56.5 45.1 67.7



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: 0.646 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

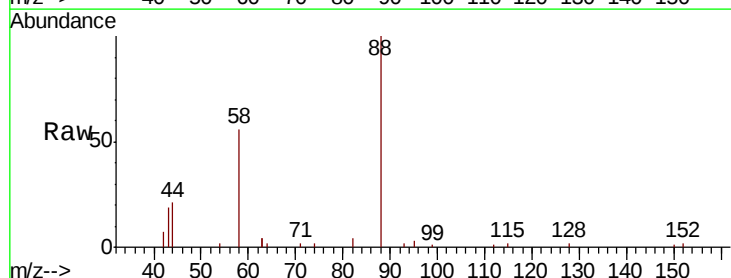
Tgt Ion: 88 Resp: 3919

Ion Ratio Lower Upper

88 100

58 68.2 47.4 71.0

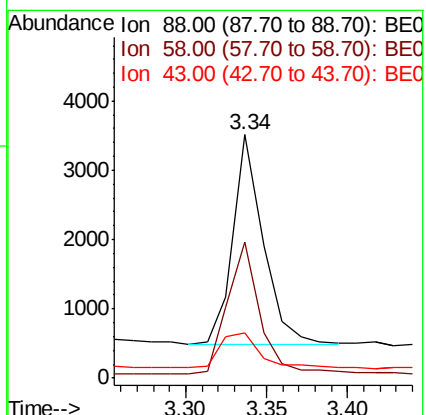
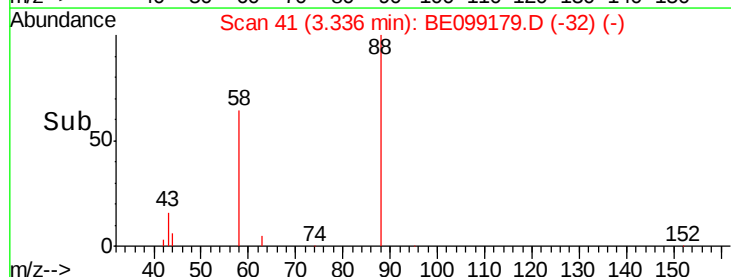
43 20.8 15.6 23.4



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: 0.750 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

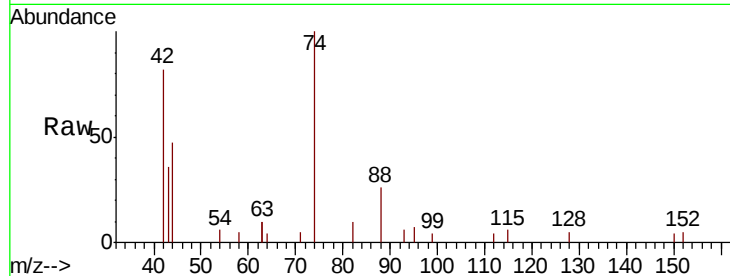
Tot Ion: 42 Resp: 2346

Ion Ratio Lower Upper

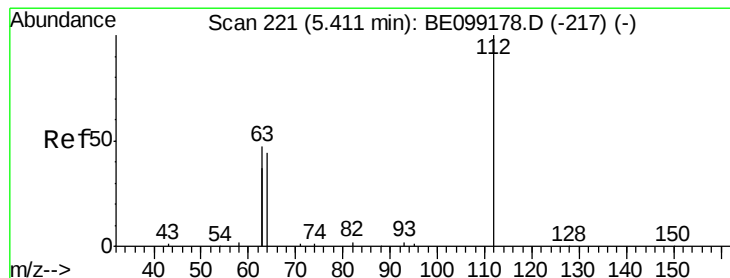
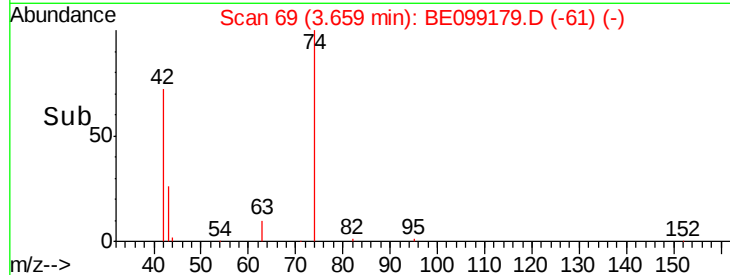
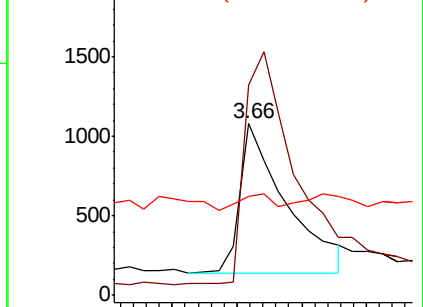
42 100

74 171.4 138.6 207.8

44 7.6 15.0 22.6#



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: 0.785 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

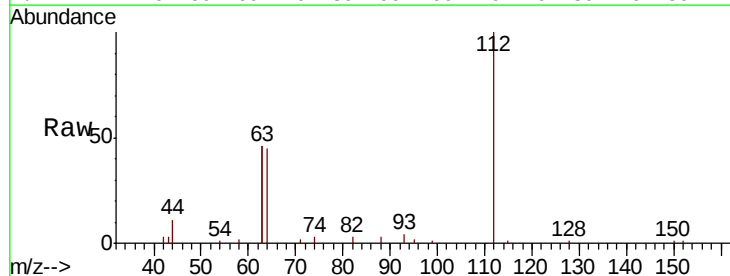
Tgt Ion: 112 Resp: 9131

Ion Ratio Lower Upper

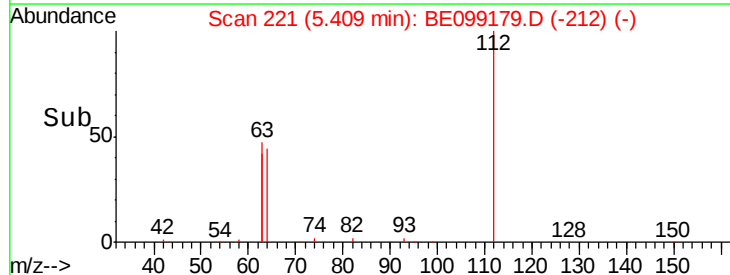
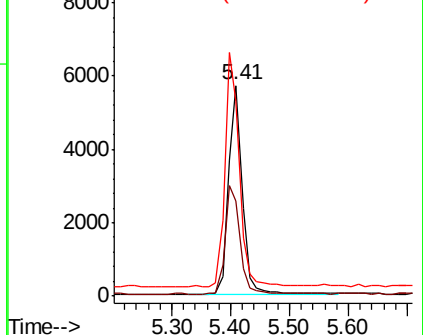
112 100

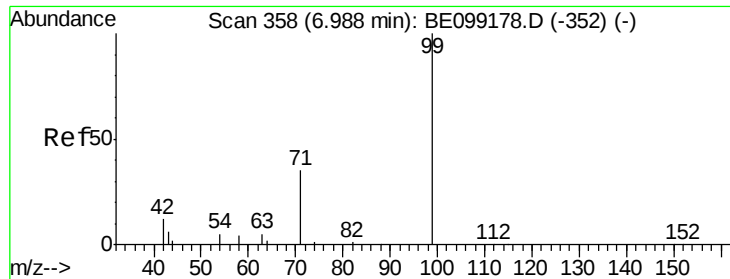
64 57.2 46.2 69.2

63 117.7 89.9 134.9



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: 0.854 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

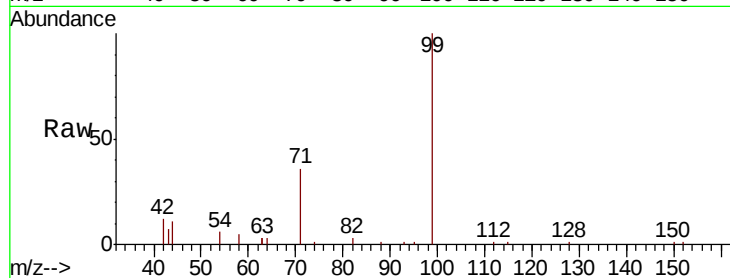
Tot Ion: 99 Resp: 14312

Ion Ratio Lower Upper

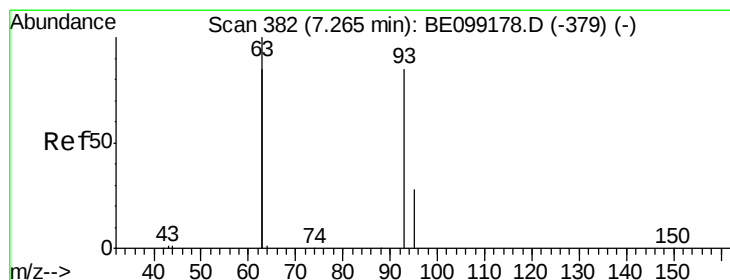
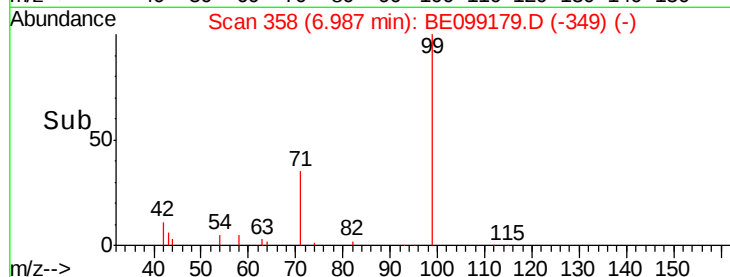
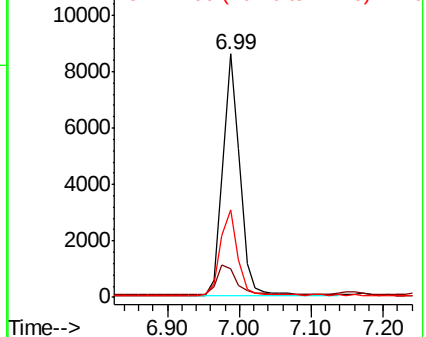
99 100

42 13.8 12.4 18.6

71 35.9 28.4 42.6



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: 0.811 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

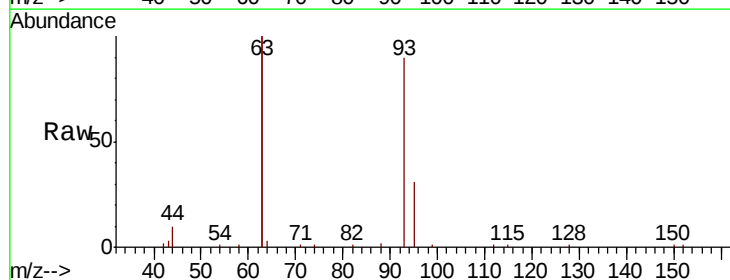
Tgt Ion: 93 Resp: 11048

Ion Ratio Lower Upper

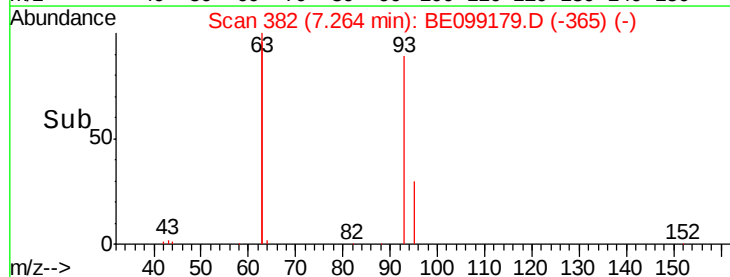
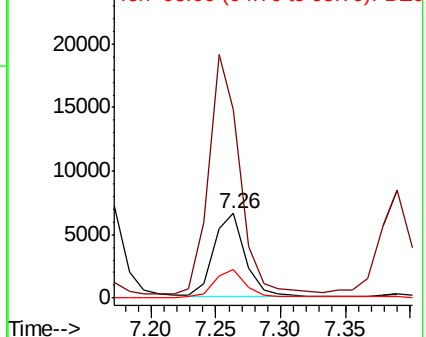
93 100

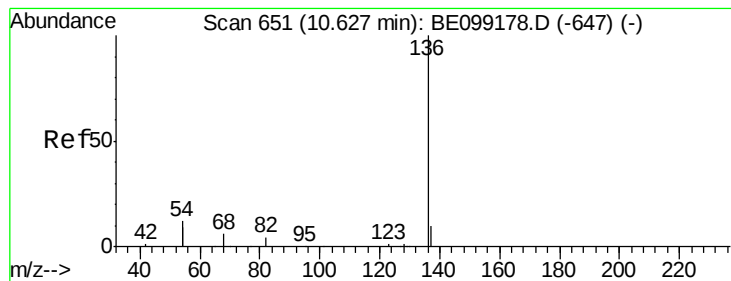
63 282.3 221.4 332.0

95 33.2 25.8 38.8



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: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

Tot Ion:136 Resp: 17720

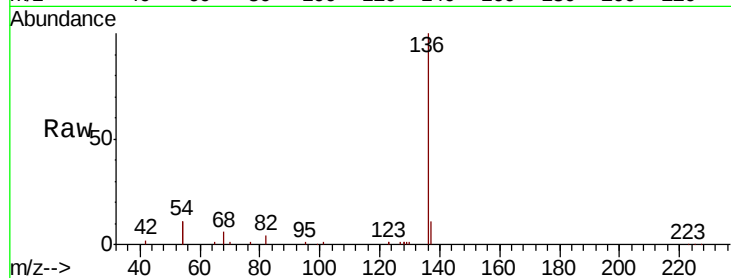
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 22.1 18.7 28.1

68 6.2 5.2 7.8

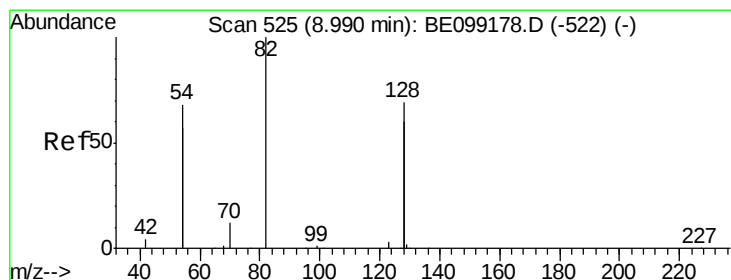
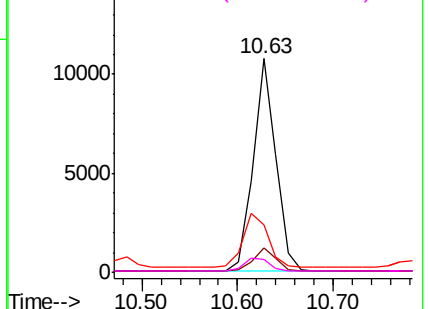
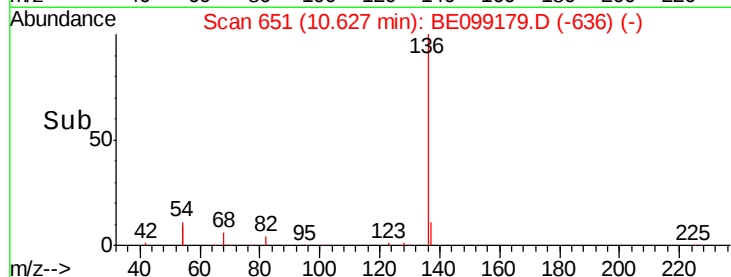


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 1.463 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

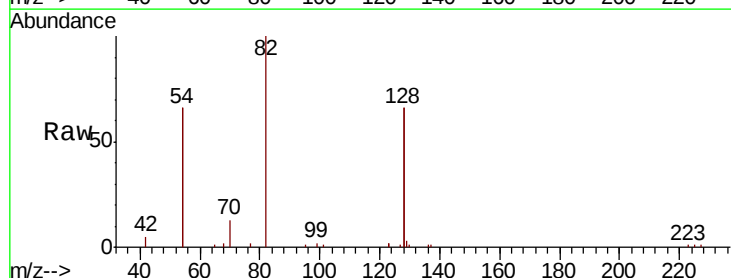
Tgt Ion: 82 Resp: 11336

Ion Ratio Lower Upper

82 100

128 132.1 107.5 161.3

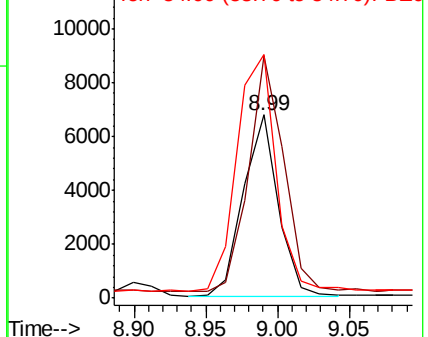
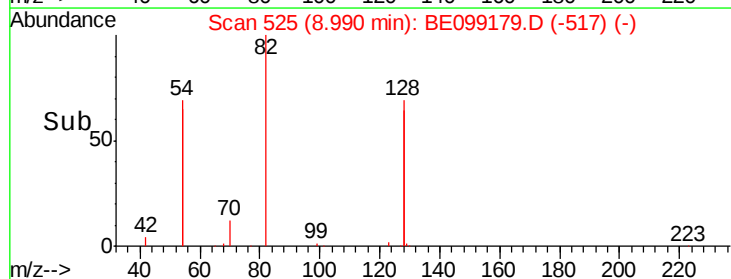
54 132.9 106.3 159.5

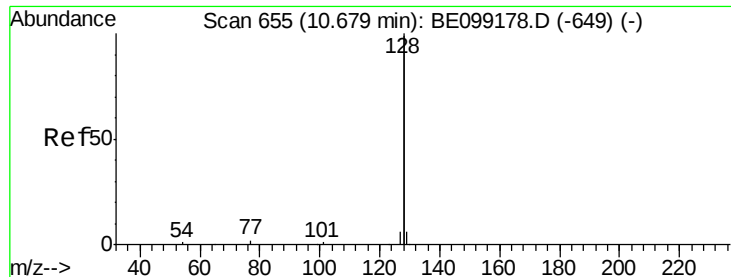


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.812 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

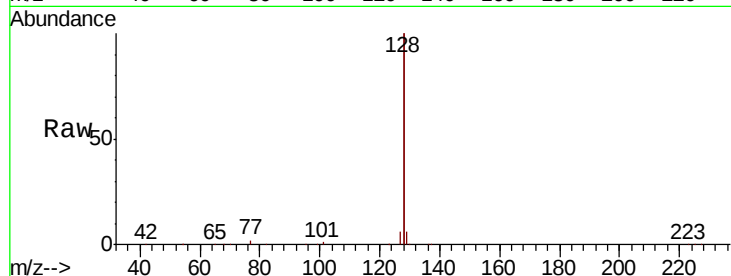
Tot Ion:128 Resp: 169570

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

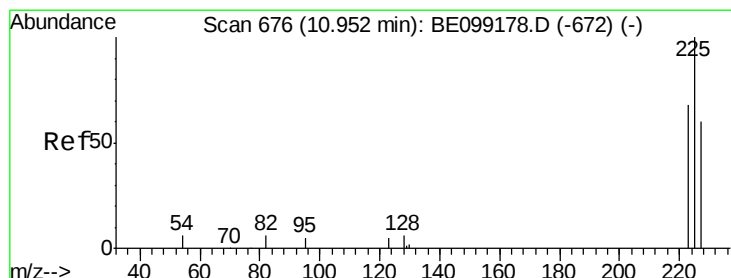
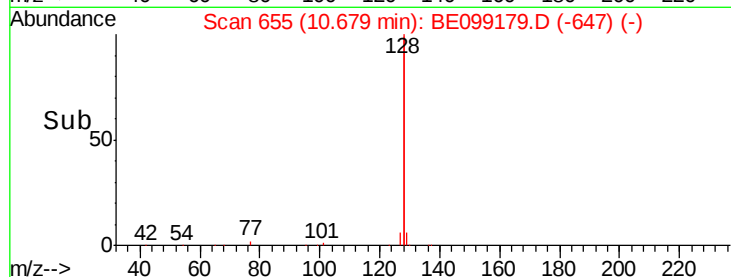
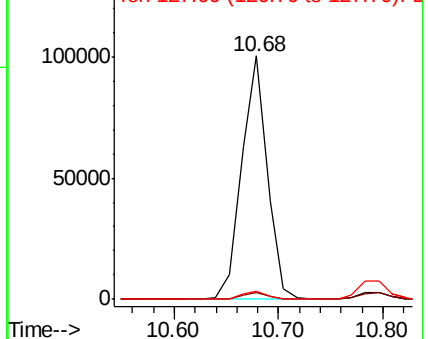
127 3.2 2.6 3.8



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: 0.877 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

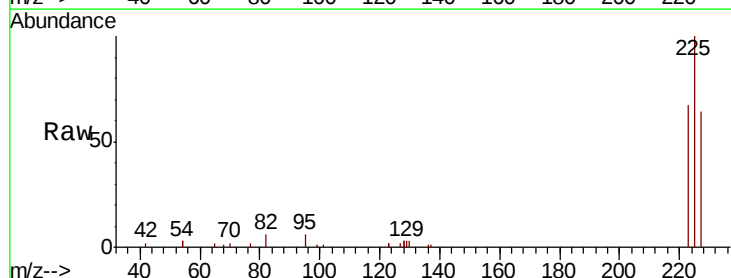
Tgt Ion:225 Resp: 8957

Ion Ratio Lower Upper

225 100

223 62.6 51.3 76.9

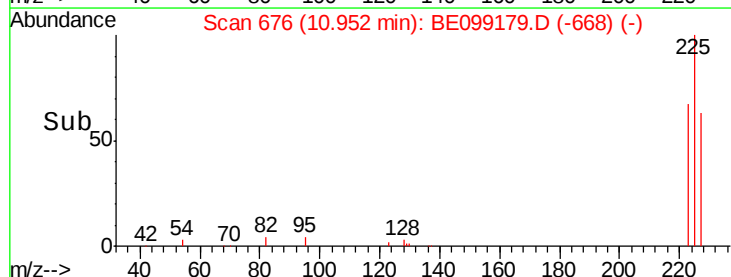
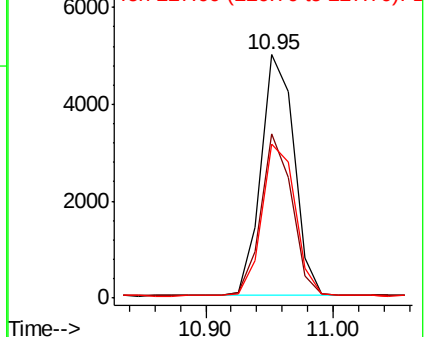
227 63.4 48.6 73.0

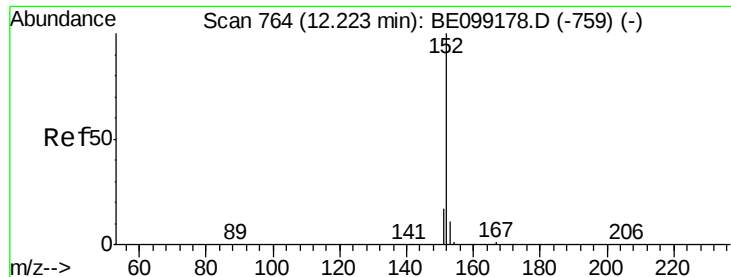


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

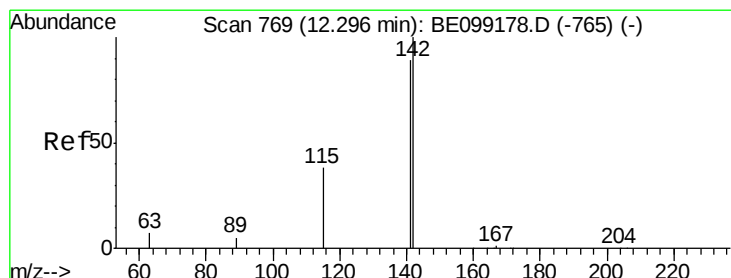
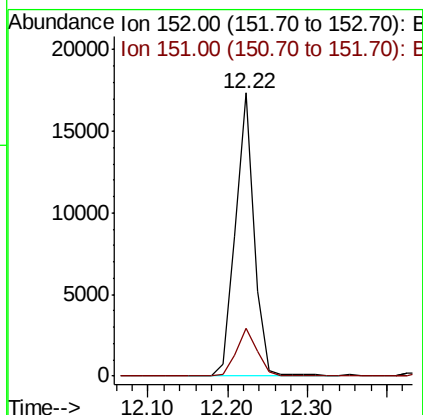
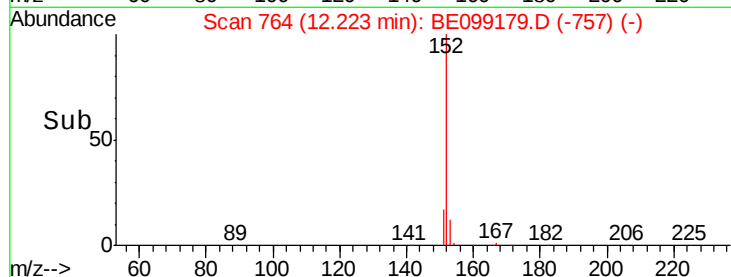
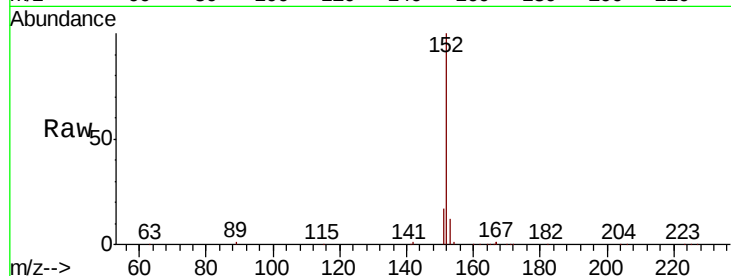




#11
 2-Methylnaphthalene-d10
 Concen: 0.869 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099179.D
 Acq: 25 Mar 2019 12:28

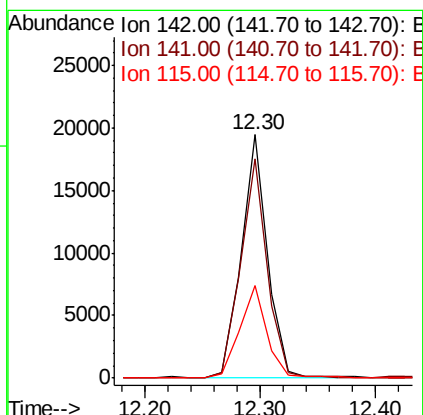
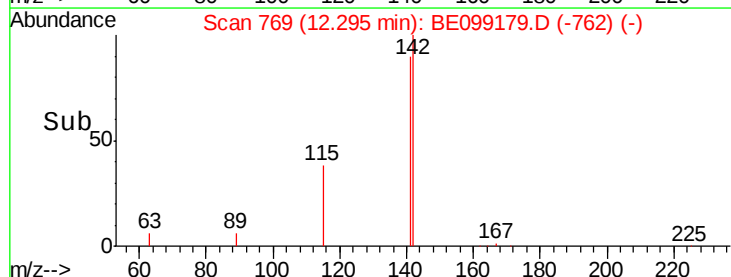
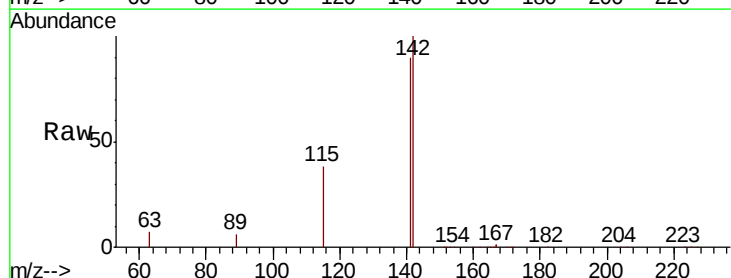
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tot Ion:152 Resp: 27735
 Ion Ratio Lower Upper
 152 100
 151 18.9 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.842 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE099179.D
 Acq: 25 Mar 2019 12:28

Tgt Ion:142 Resp: 30098
 Ion Ratio Lower Upper
 142 100
 141 90.2 71.3 106.9
 115 38.3 30.4 45.6

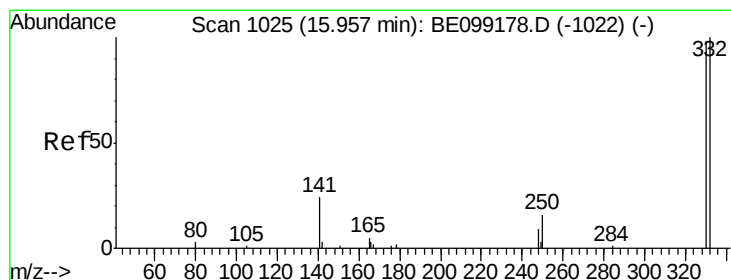
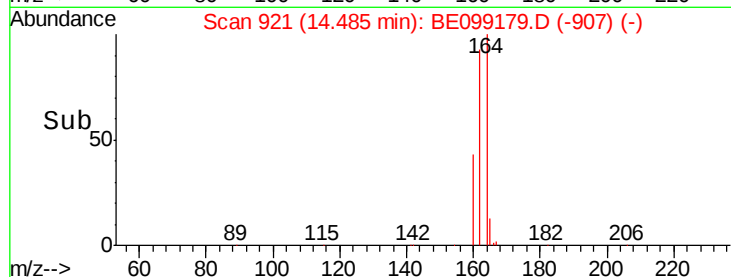
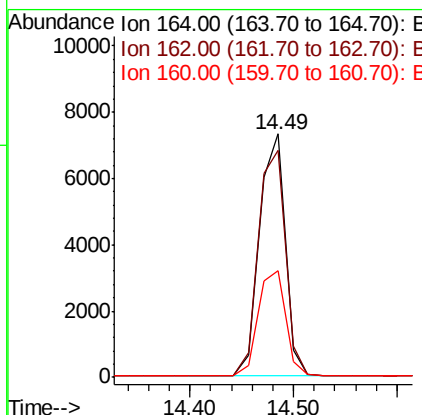
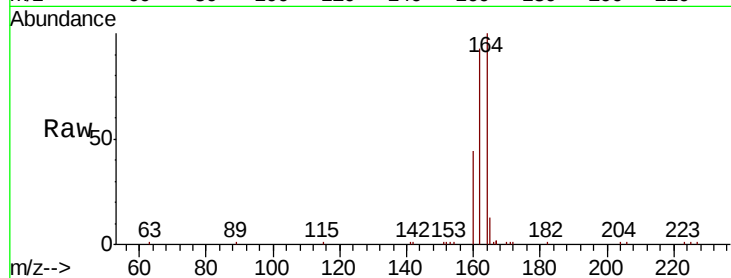




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099179.D
Acq: 25 Mar 2019 12:28

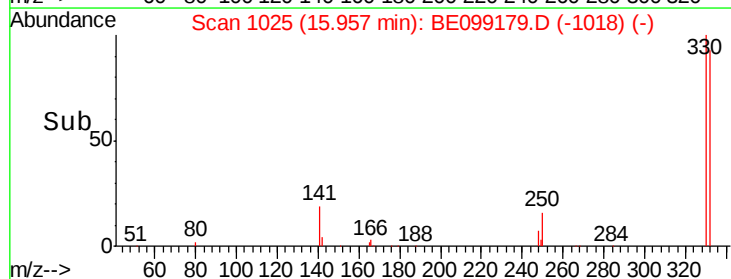
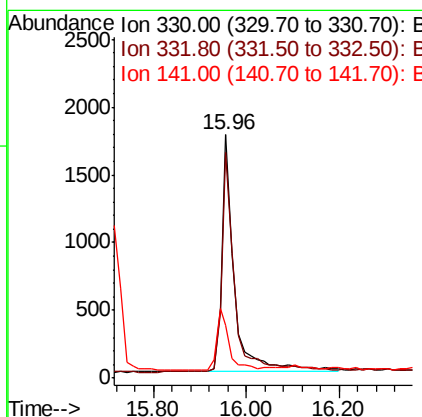
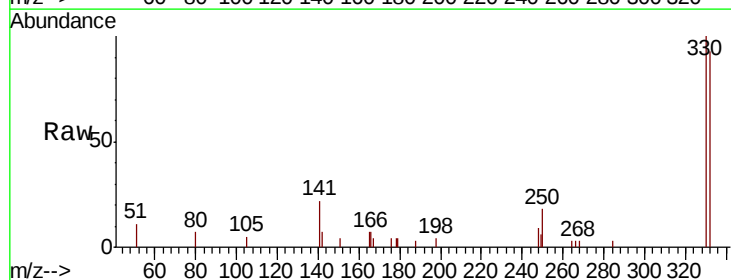
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

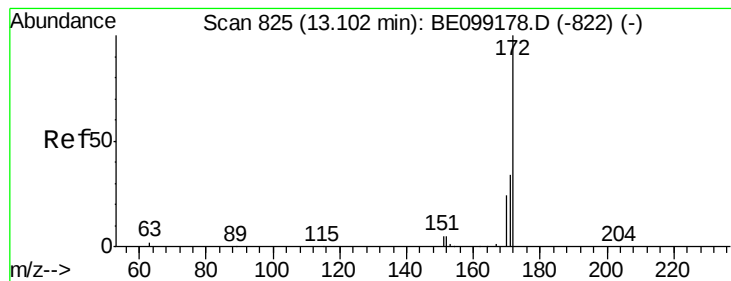
Tot Ion:164 Resp: 12751
Ion Ratio Lower Upper
164 100
162 93.4 79.2 118.8
160 43.9 36.7 55.1



#14
2,4,6-Tribromophenol
Concen: 0.897 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099179.D
Acq: 25 Mar 2019 12:28

Tgt Ion:330 Resp: 3363
Ion Ratio Lower Upper
330 100
332 94.8 71.3 106.9
141 26.2 21.7 32.5

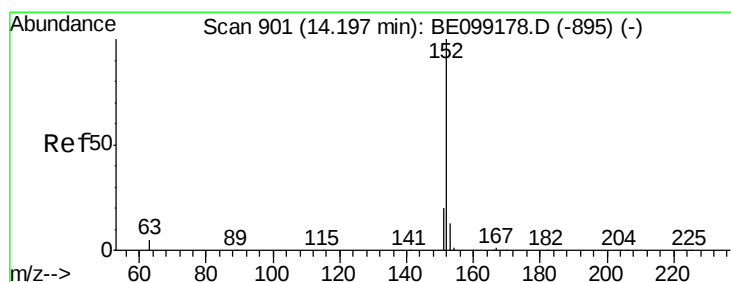
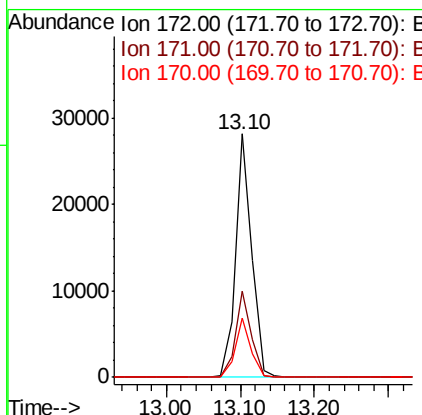
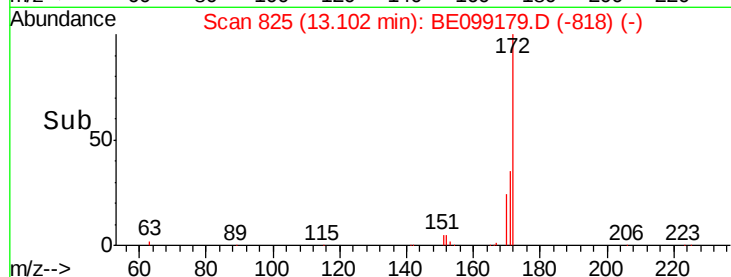
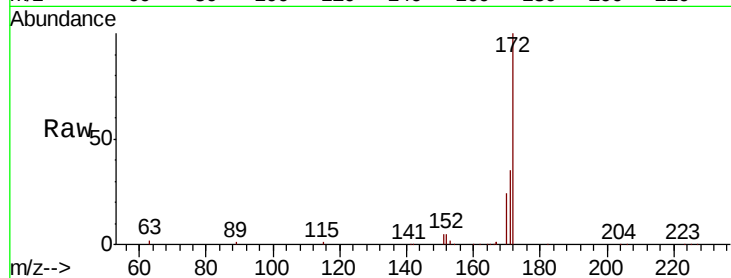




#15
2-Fluorobiphenyl
Concen: 0.834 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099179.D
Acq: 25 Mar 2019 12:28

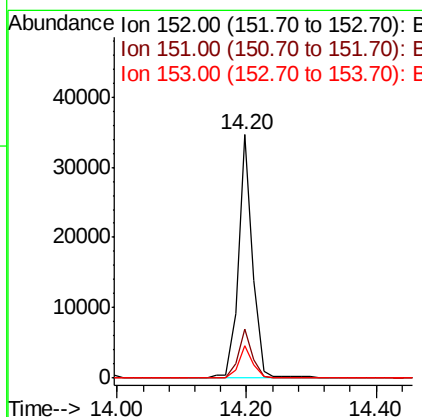
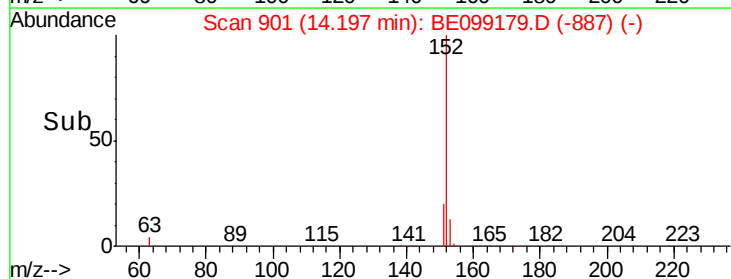
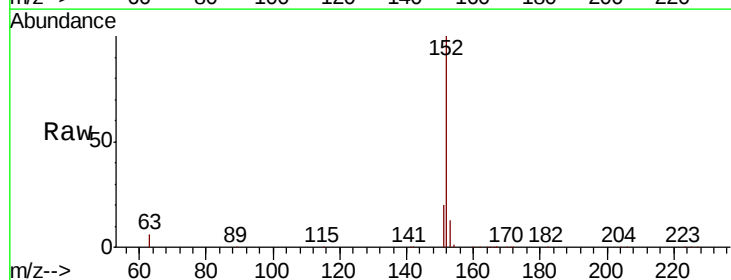
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

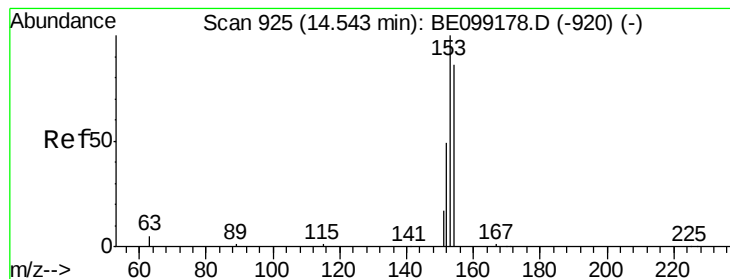
Tot Ion:172 Resp: 42315
Ion Ratio Lower Upper
172 100
171 35.2 27.4 41.0
170 24.4 19.1 28.7



#16
Acenaphthylene
Concen: 0.763 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE099179.D
Acq: 25 Mar 2019 12:28

Tgt Ion:152 Resp: 51893
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.769 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

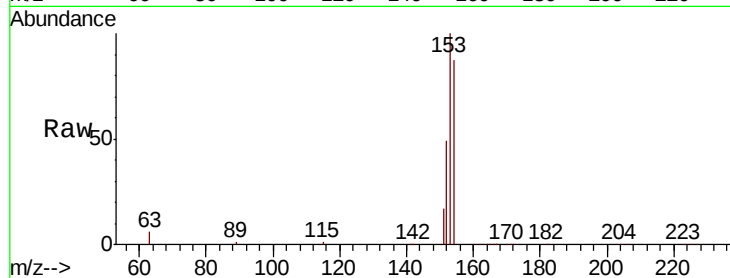
Tot Ion:154 Resp: 31021

Ion Ratio Lower Upper

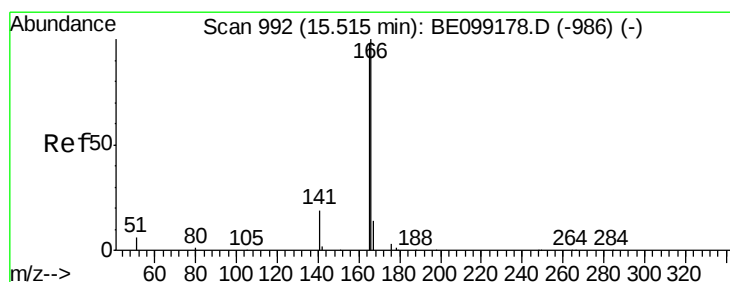
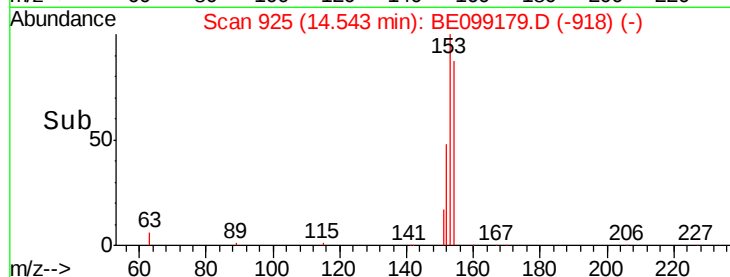
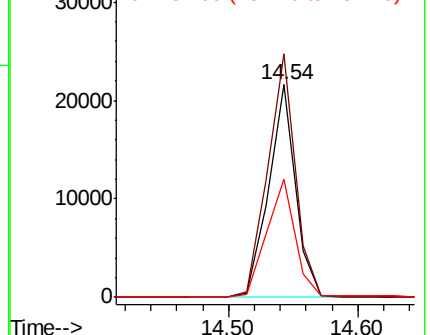
154 100

153 117.9 93.4 140.0

152 58.3 46.6 69.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.753 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

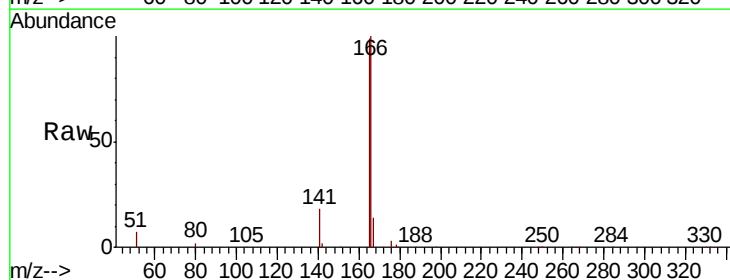
Tgt Ion:166 Resp: 44355

Ion Ratio Lower Upper

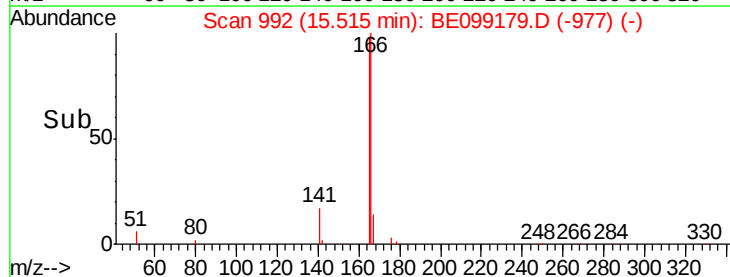
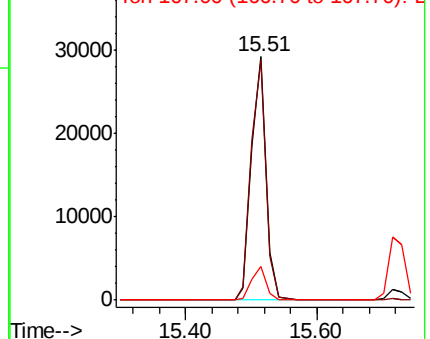
166 100

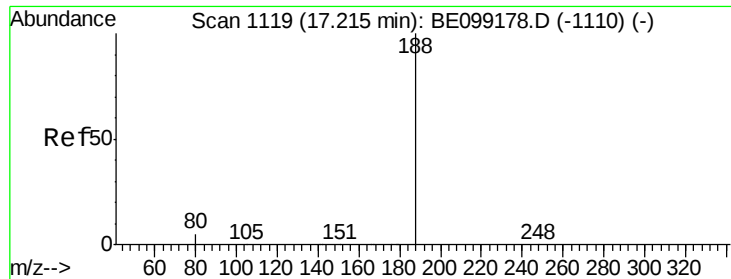
165 99.9 78.9 118.3

167 13.5 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

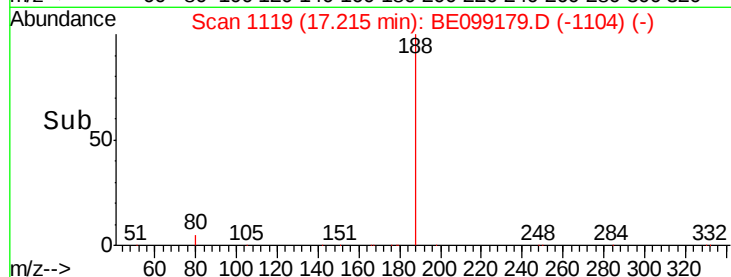
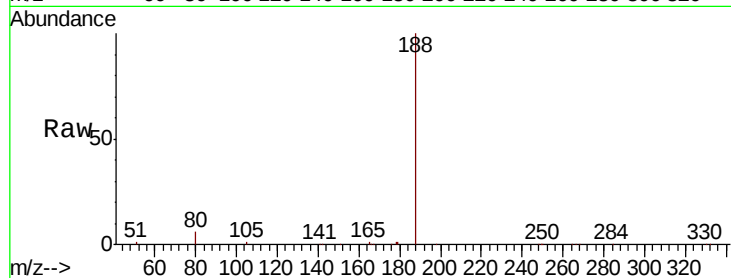
Tot Ion:188 Resp: 31902

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

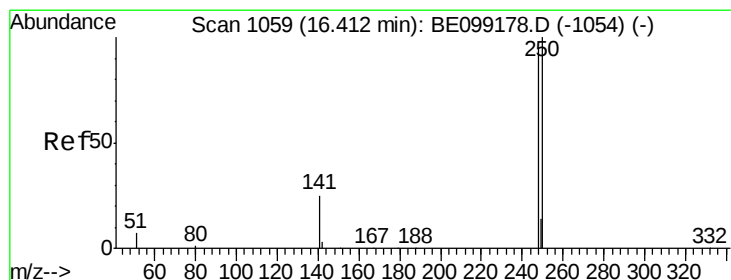
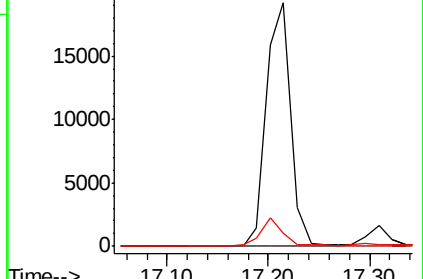
80 5.7 4.5 6.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.959 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

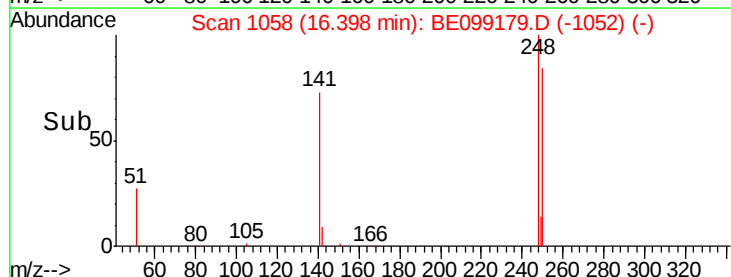
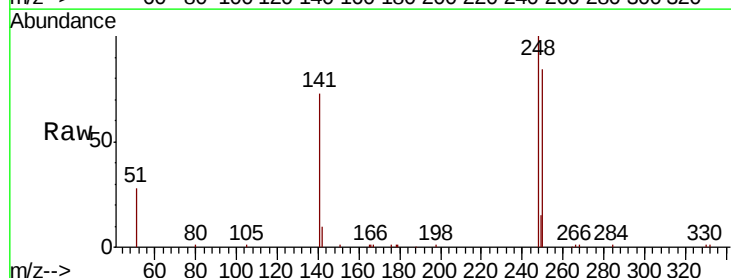
Tgt Ion:248 Resp: 16935

Ion Ratio Lower Upper

248 100

250 84.4 84.2 126.2

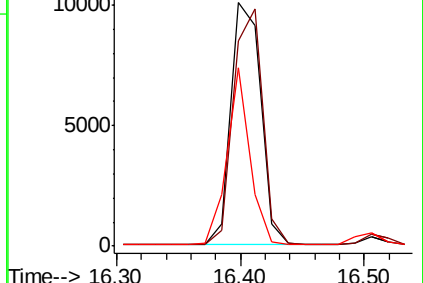
141 73.3 21.8 32.6#

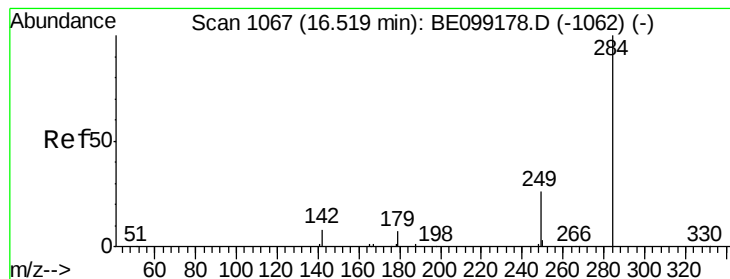


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.979 ng

RT: 16.51 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

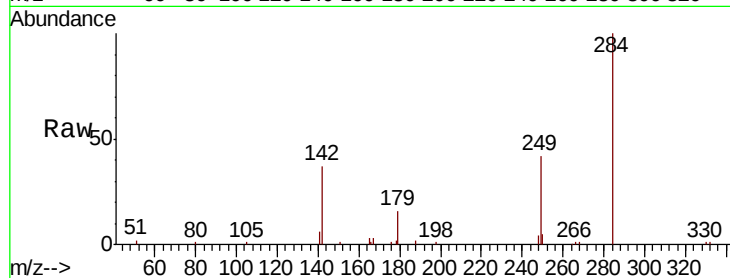
Tot Ion:284 Resp: 16052

Ion Ratio Lower Upper

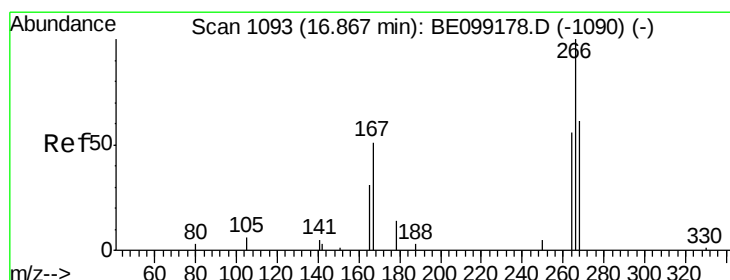
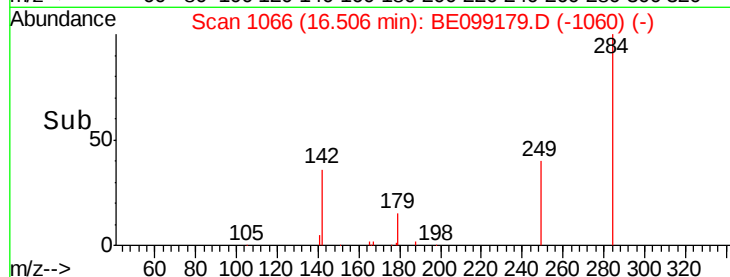
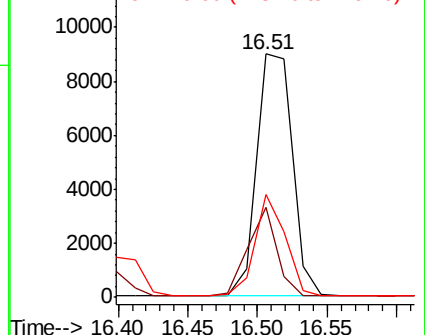
284 100

142 29.1 22.7 34.1

249 34.9 26.9 40.3



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: 0.470 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

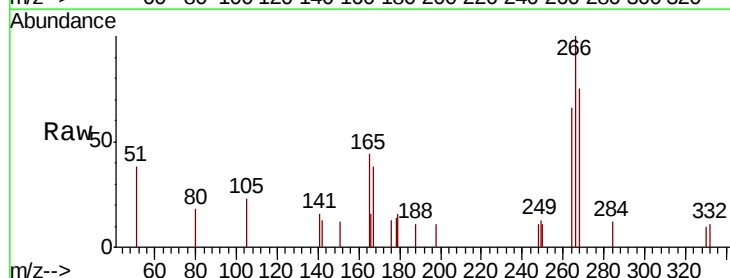
Tgt Ion:266 Resp: 1469

Ion Ratio Lower Upper

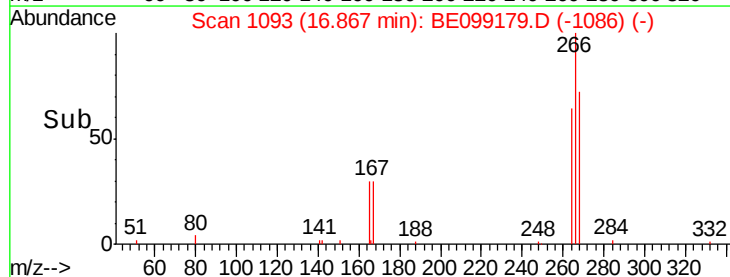
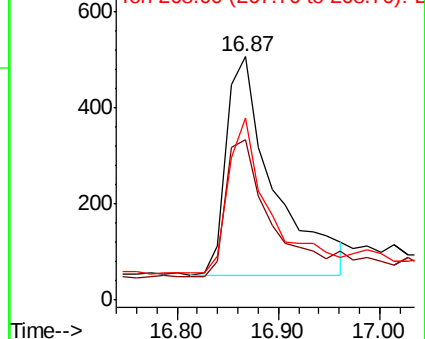
266 100

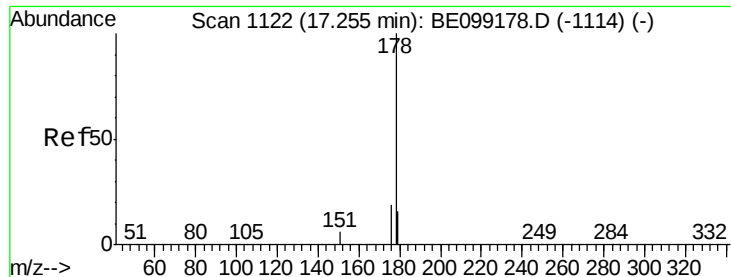
264 66.1 54.4 81.6

268 75.0 61.3 91.9



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

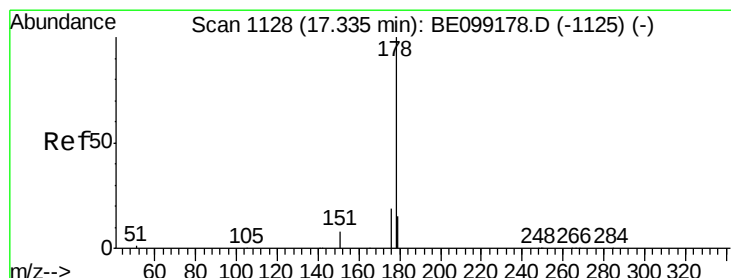
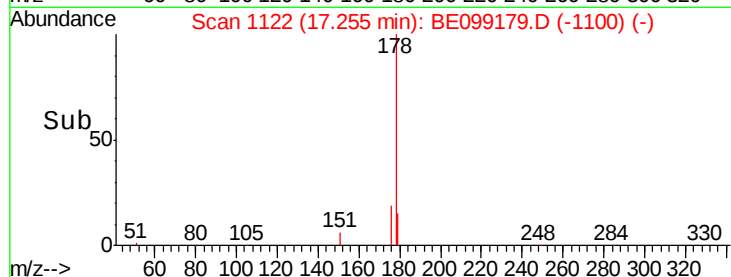
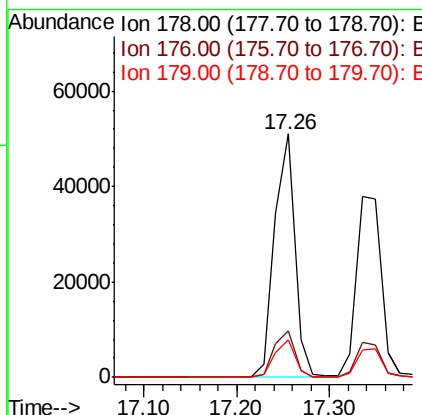
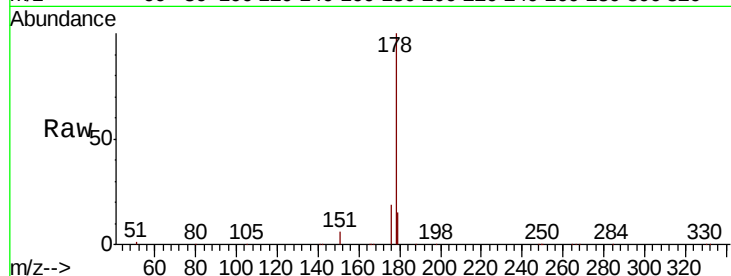




#23
Phenanthrene
Concen: 0.821 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099179.D
Acq: 25 Mar 2019 12:28

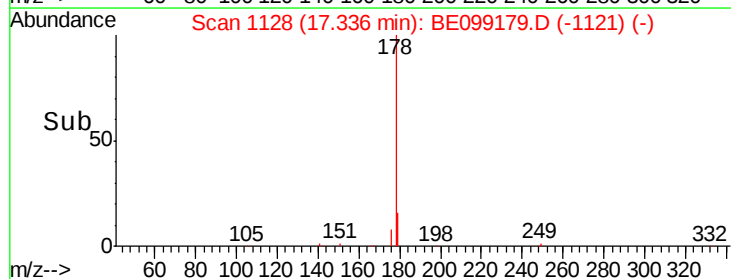
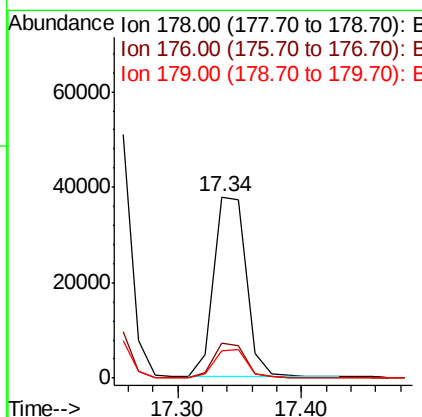
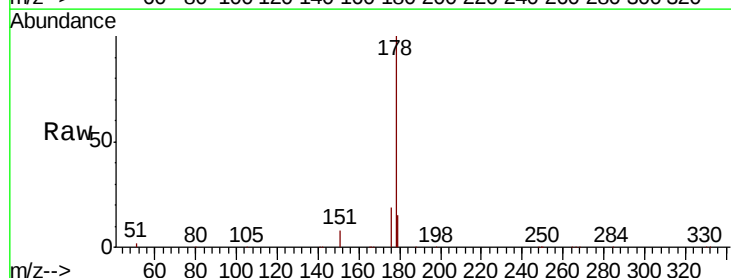
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

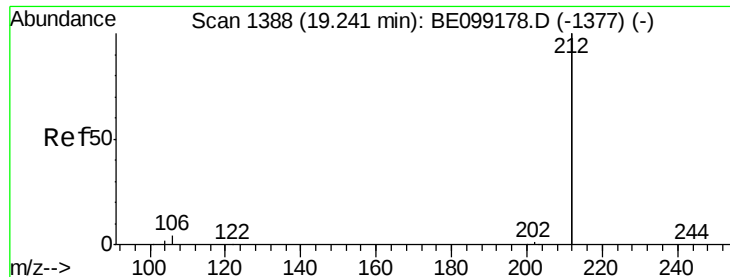
Tot Ion:178 Resp: 77800
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.1 12.3 18.5



#24
Anthracene
Concen: 0.767 ng
RT: 17.34 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BE099179.D
Acq: 25 Mar 2019 12:28

Tgt Ion:178 Resp: 68749
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.5 12.4 18.6





#25

Fluoranthene-d10

Concen: 0.735 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

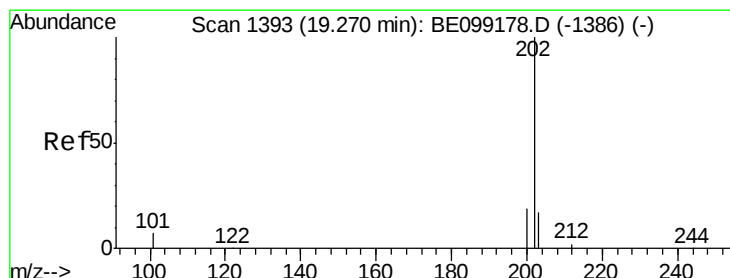
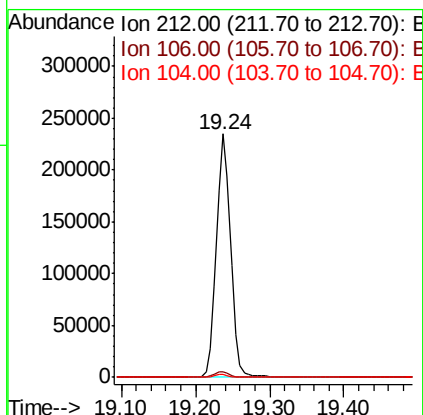
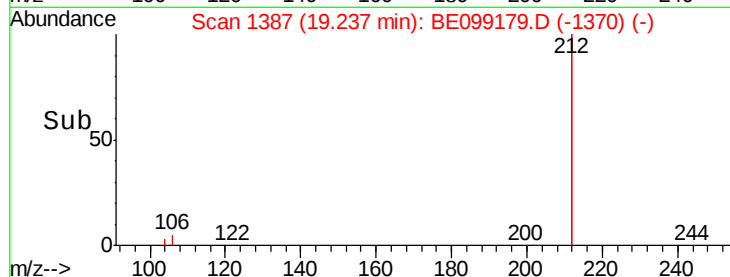
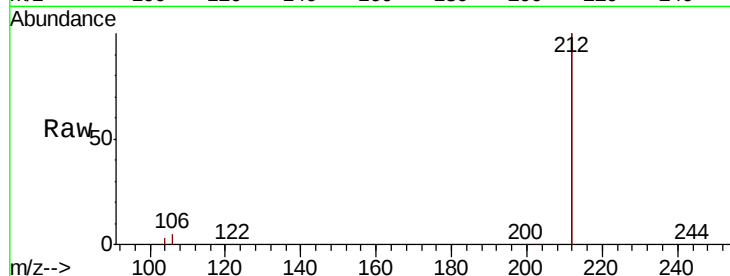
Tot Ion:212 Resp: 312914

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

104 1.4 1.1 1.7



#26

Fluoranthene

Concen: 0.733 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

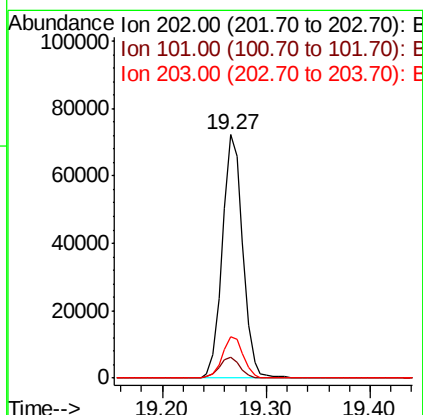
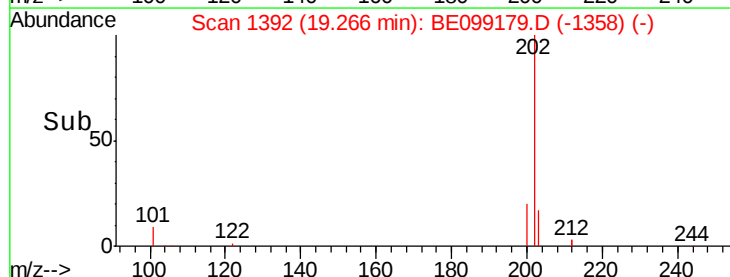
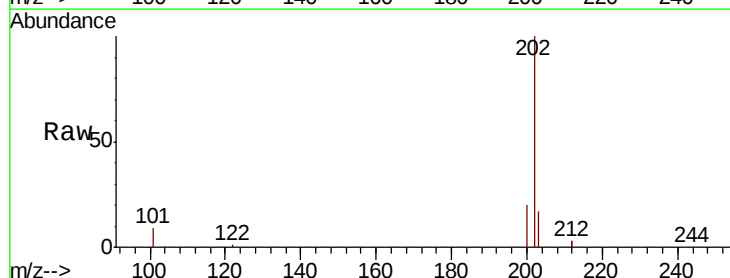
Tgt Ion:202 Resp: 97710

Ion Ratio Lower Upper

202 100

101 8.8 7.0 10.4

203 17.2 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

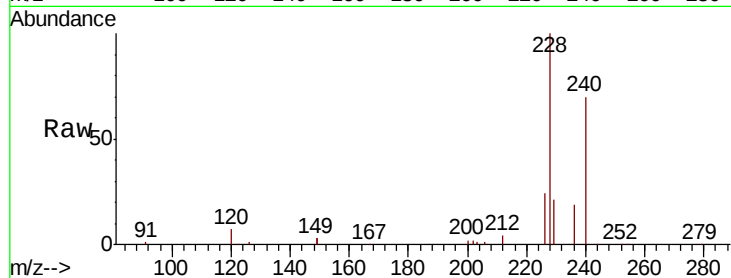
Tot Ion:240 Resp: 36298

Ion Ratio Lower Upper

240 100

120 10.2 2.6 3.8#

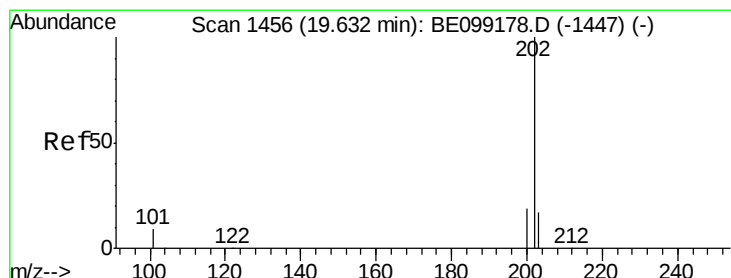
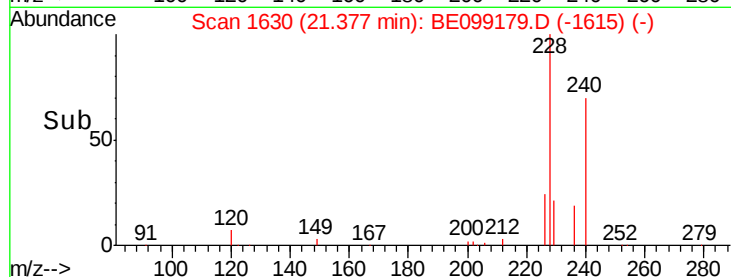
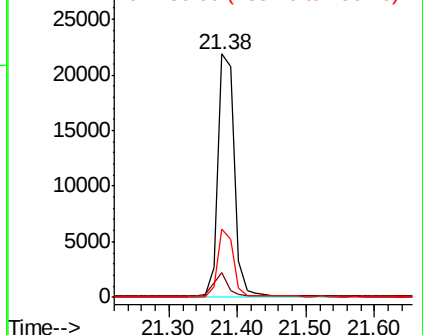
236 27.8 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.799 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

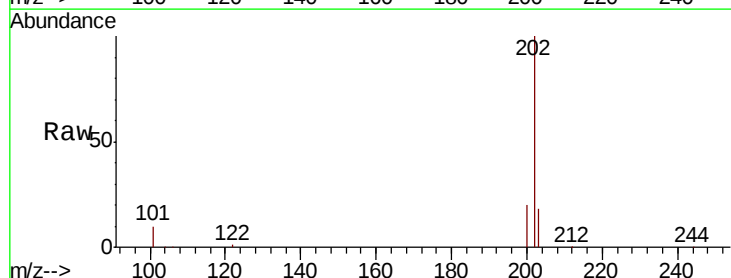
Tgt Ion:202 Resp: 98414

Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.8

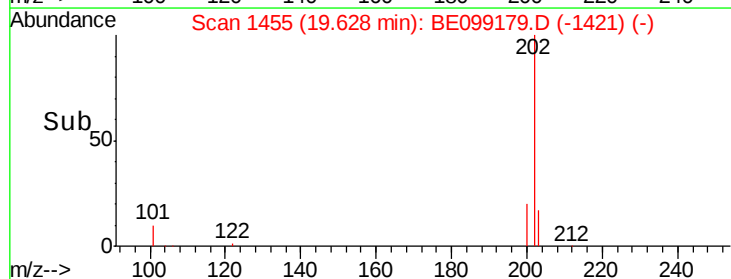
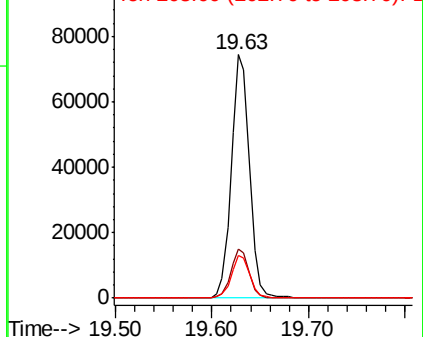
203 17.6 14.1 21.1

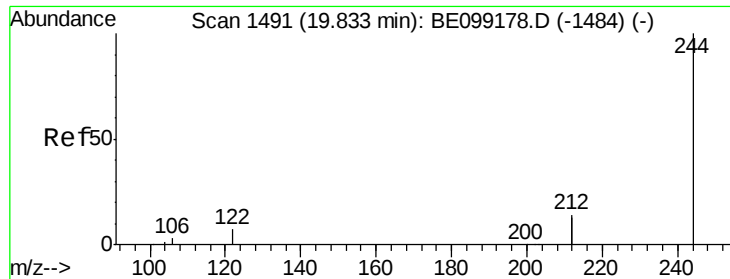


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.835 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

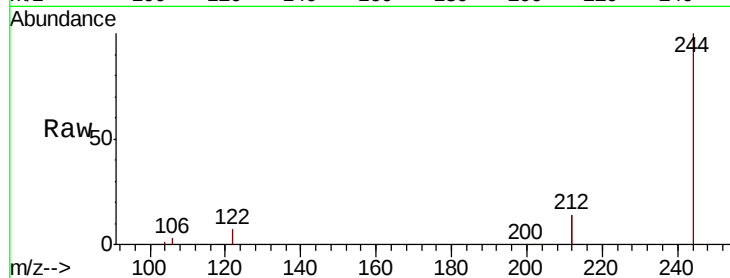
Tot Ion:244 Resp: 64156

Ion Ratio Lower Upper

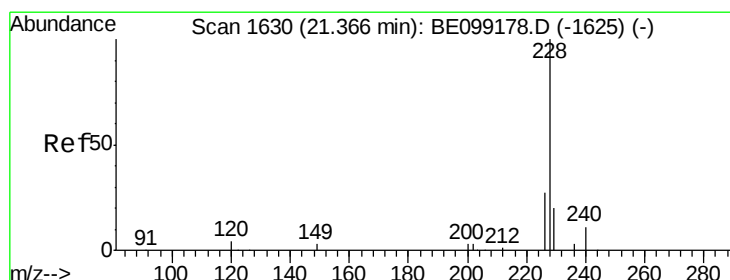
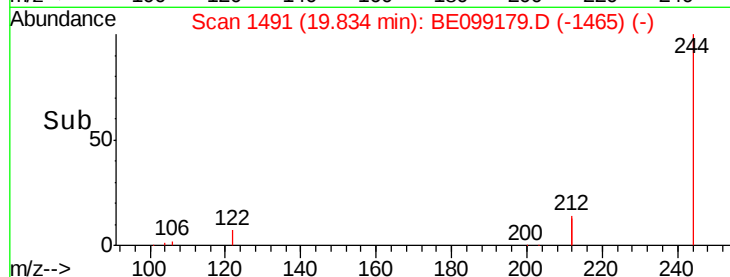
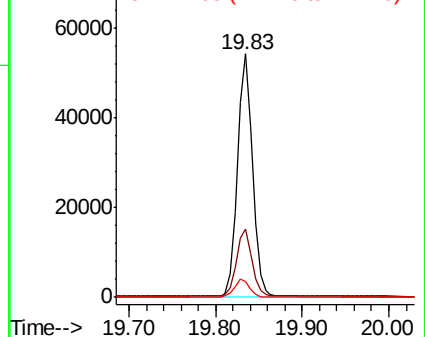
244 100

212 28.1 22.7 34.1

122 6.7 5.8 8.6



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



#30

Benzo(a)anthracene

Concen: 0.753 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

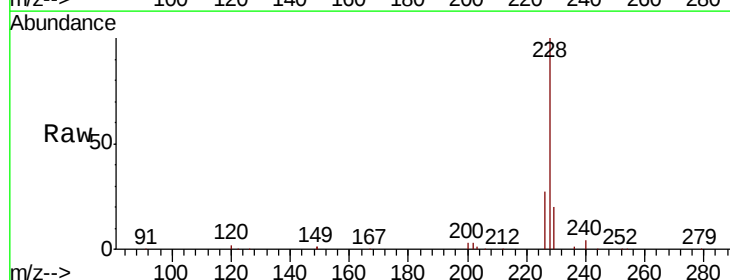
Tgt Ion:228 Resp: 96253

Ion Ratio Lower Upper

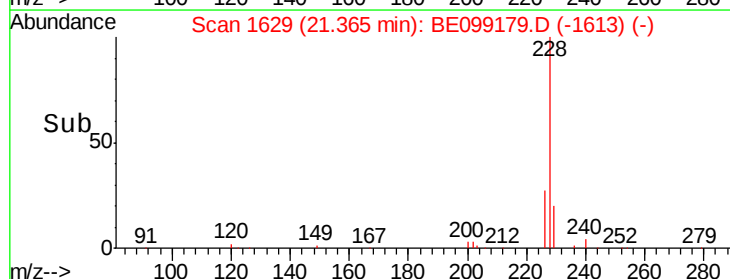
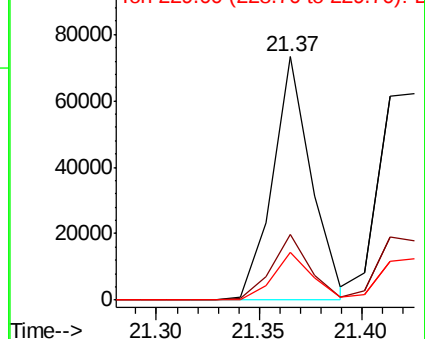
228 100

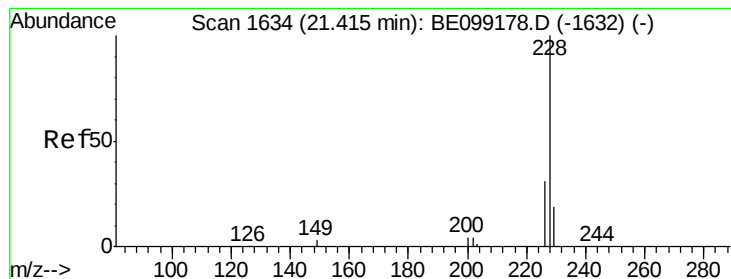
226 27.0 21.7 32.5

229 19.6 15.9 23.9



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





#31

Chrysene

Concen: 0.817 ng

RT: 21.43 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

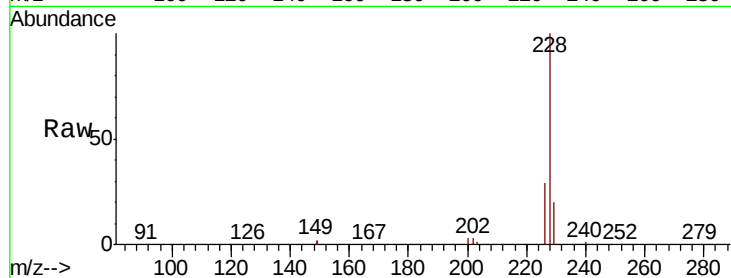
Tot Ion:228 Resp: 104455

Ion Ratio Lower Upper

228 100

226 28.8 24.8 37.2

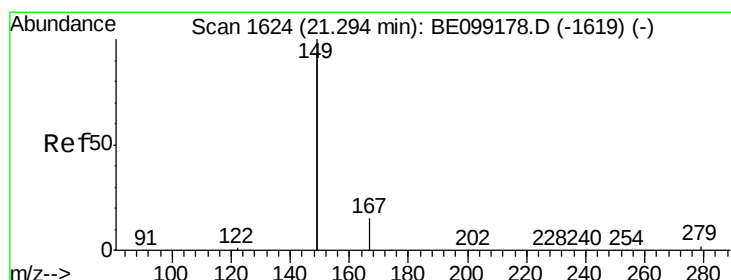
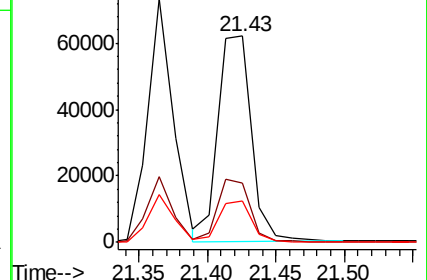
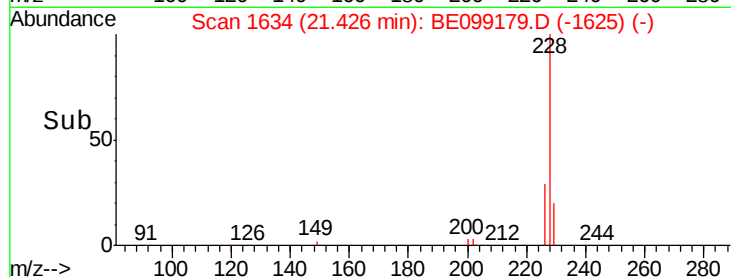
229 20.2 15.4 23.0



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: 0.616 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

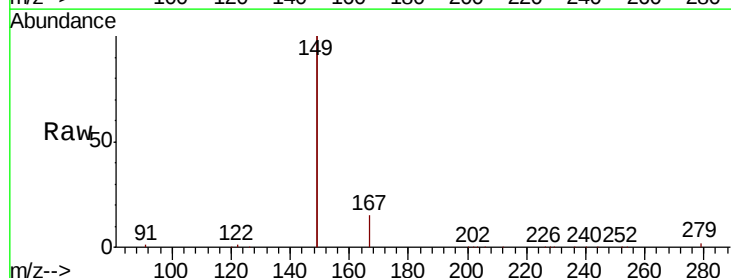
Tgt Ion:149 Resp: 102304

Ion Ratio Lower Upper

149 100

167 7.3 5.9 8.9

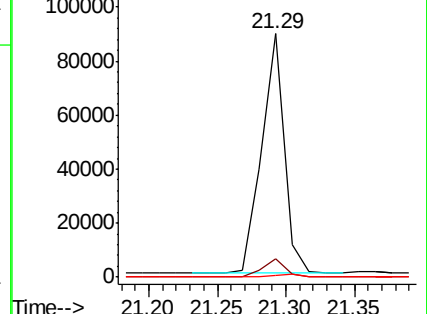
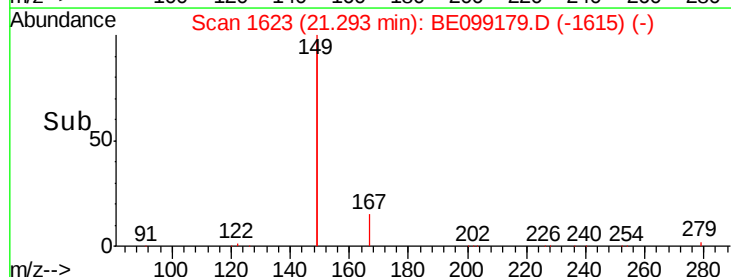
279 1.2 1.0 1.6



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: 0.709 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

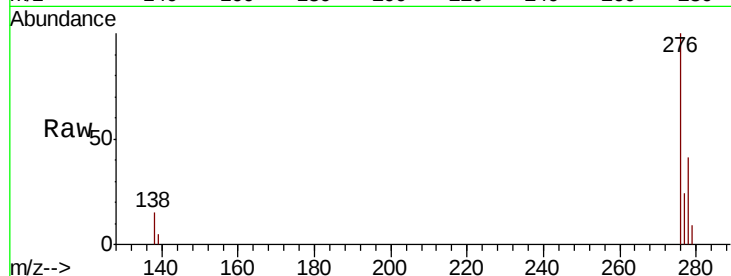
Tot Ion:276 Resp: 97341

Ion Ratio Lower Upper

276 100

138 7.4 12.9 19.3#

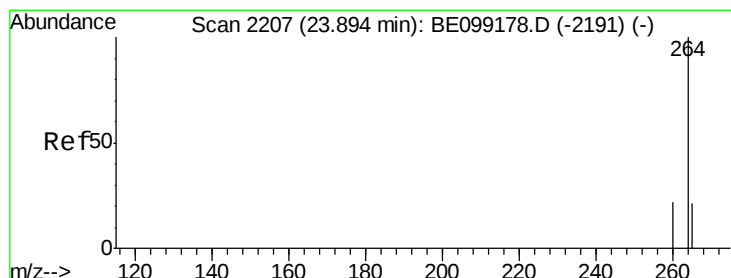
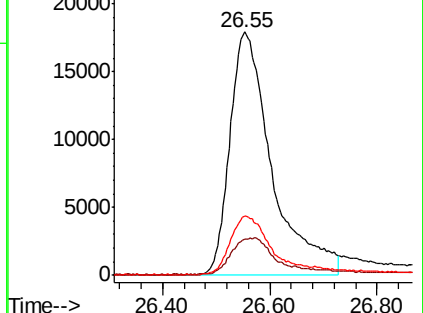
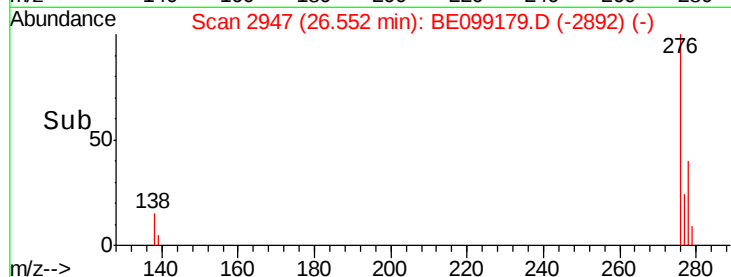
277 23.9 18.3 27.5



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: 23.89 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

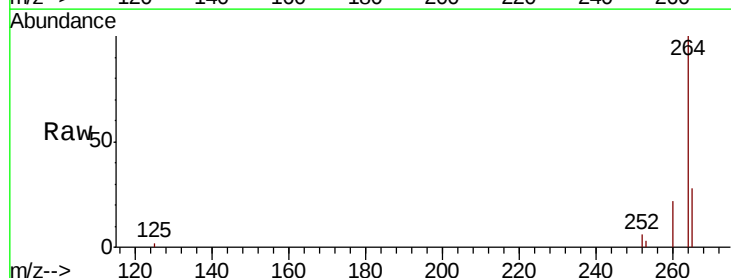
Tgt Ion:264 Resp: 35971

Ion Ratio Lower Upper

264 100

260 22.3 18.2 27.2

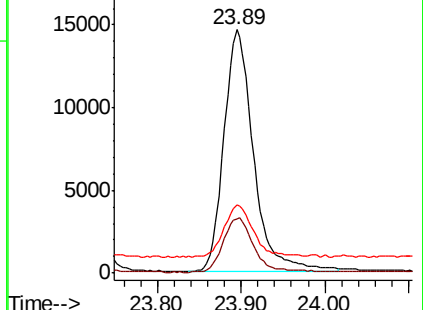
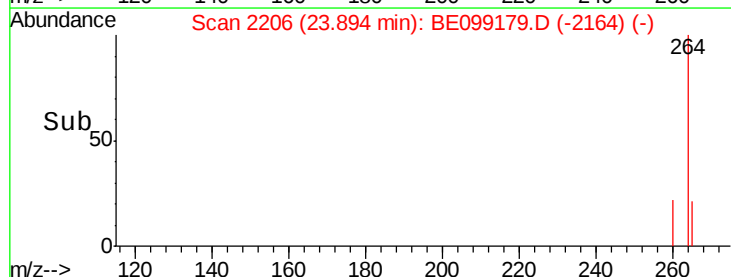
265 27.9 21.8 32.8



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: 0.775 ng

RT: 23.12 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

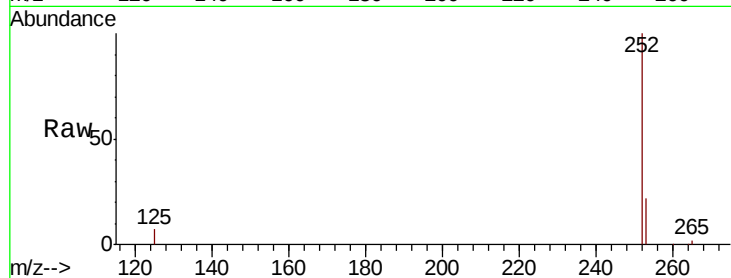
Tot Ion:252 Resp: 96447

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

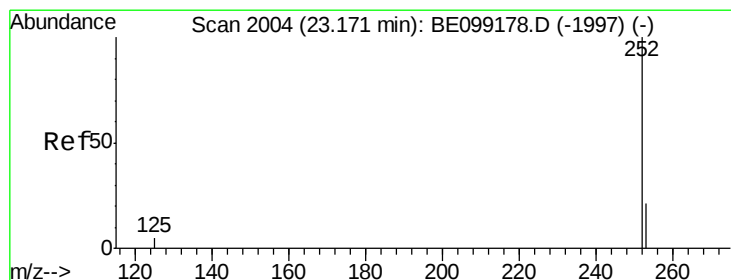
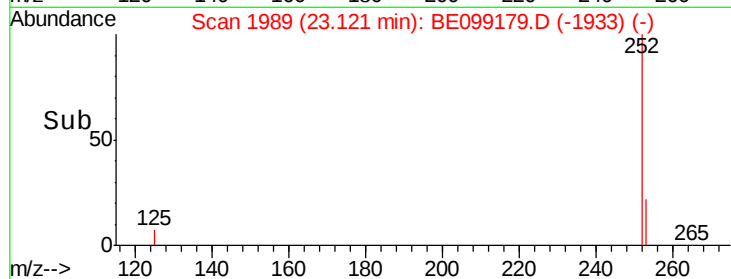
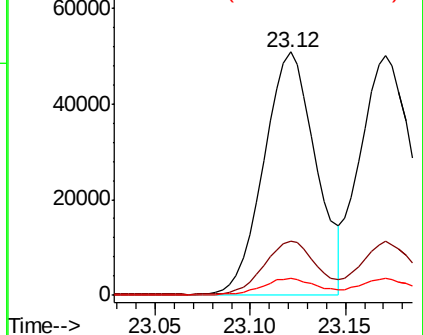
125 6.9 6.1 9.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.848 ng

RT: 23.17 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

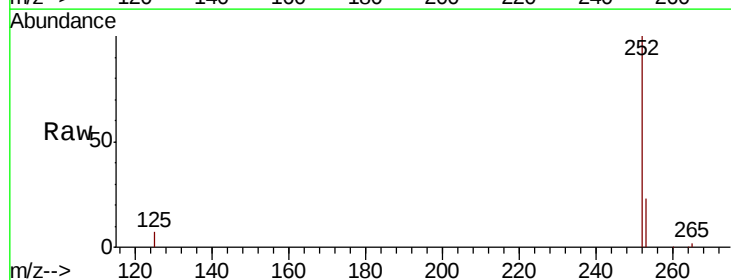
Tgt Ion:252 Resp: 103341

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

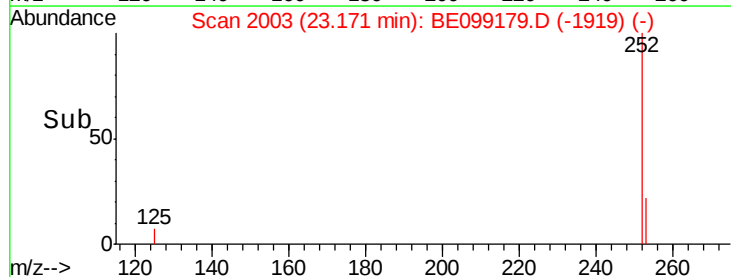
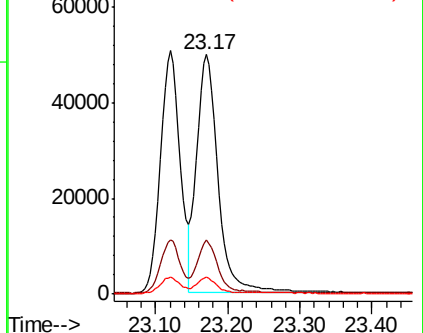
125 7.1 5.9 8.9

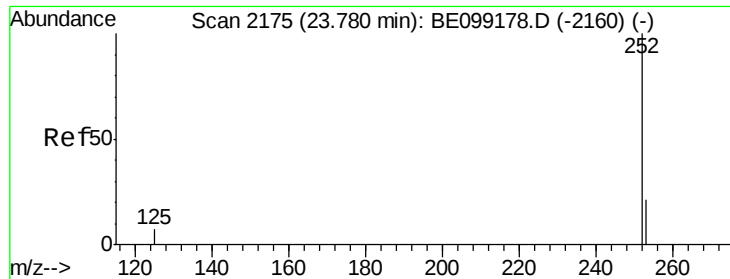


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

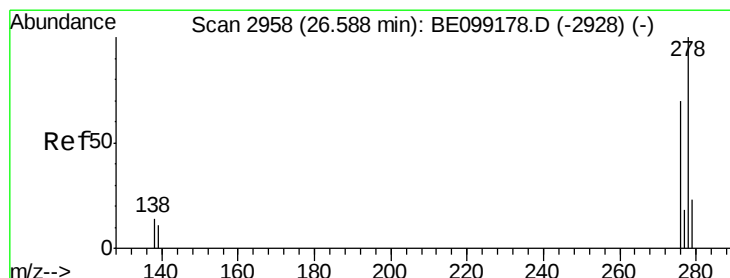
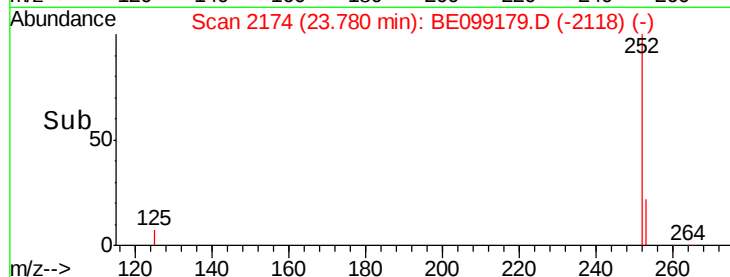
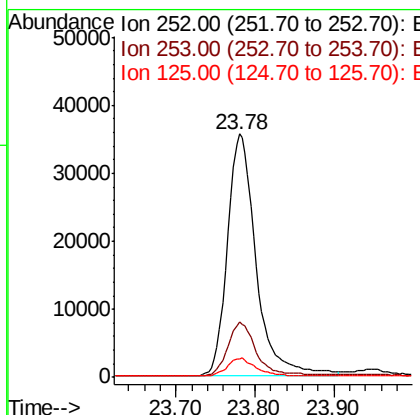
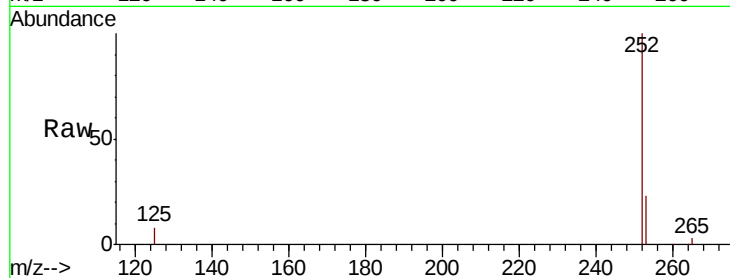




#37
Benzo(a)pyrene
Concen: 0.784 ng
RT: 23.78 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BE099179.D
Acq: 25 Mar 2019 12:28

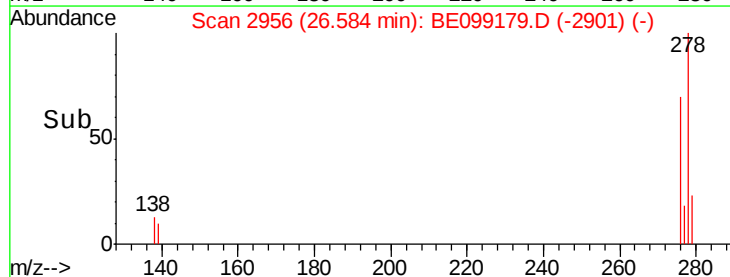
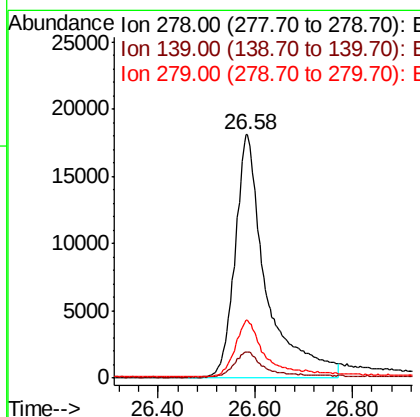
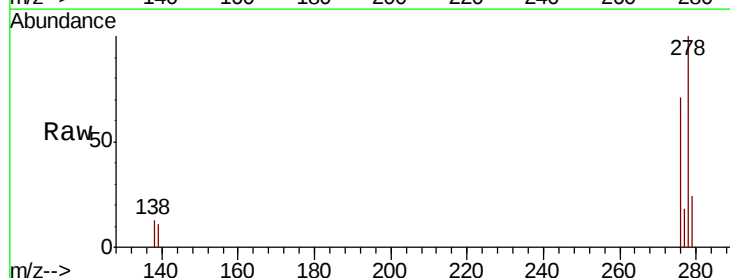
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

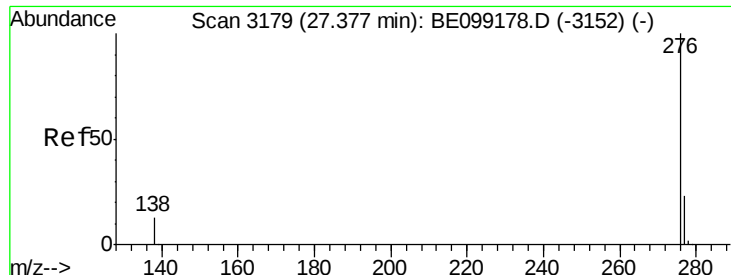
Tot Ion:252 Resp: 90196
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 7.7 6.8 10.2



#38
Dibenzo(a,h)anthracene
Concen: 0.716 ng
RT: 26.58 min Scan# 2956
Delta R.T. -0.00 min
Lab File: BE099179.D
Acq: 25 Mar 2019 12:28

Tgt Ion:278 Resp: 80126
Ion Ratio Lower Upper
278 100
139 10.7 9.5 14.3
279 23.9 19.1 28.7





#39

Benzo(a,h,i)perylene

Concen: 0.702 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.00 min

Lab File: BE099179.D

Acq: 25 Mar 2019 12:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

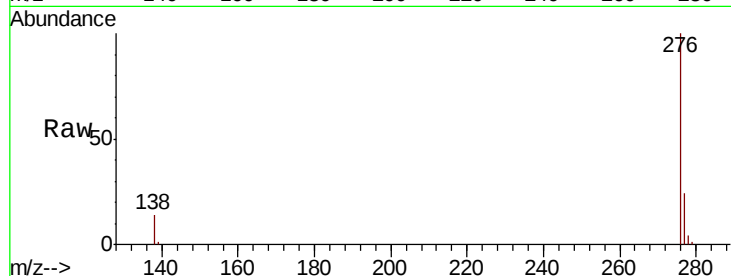
Tot Ion: 276 Resp: 80626

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.4

138 14.2 11.1 16.7



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

