

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032519\
 Data File : BE099202.D
 Acq On : 26 Mar 2019 4:59
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Mar 26 07:12:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 07:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	4062	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	18764	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	13798	0.40	ng	-0.01
19) Phenanthrene-d10	17.21	188	36533	0.40	ng	0.00
27) Chrysene-d12	21.38	240	42661	0.40	ng	-0.01
34) Perylene-d12	23.89	264	40952	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	4292	0.35	ng	0.00
5) Phenol-d6	6.99	99	6573	0.35	ng	0.00
8) Nitrobenzene-d5	8.99	82	5405	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	13147	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1675	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	20348	0.36	ng	0.00
25) Fluoranthene-d10	19.24	212	157276	0.36	ng	0.00
29) Terphenyl-d14	19.83	244	30484	0.33	ng	0.00

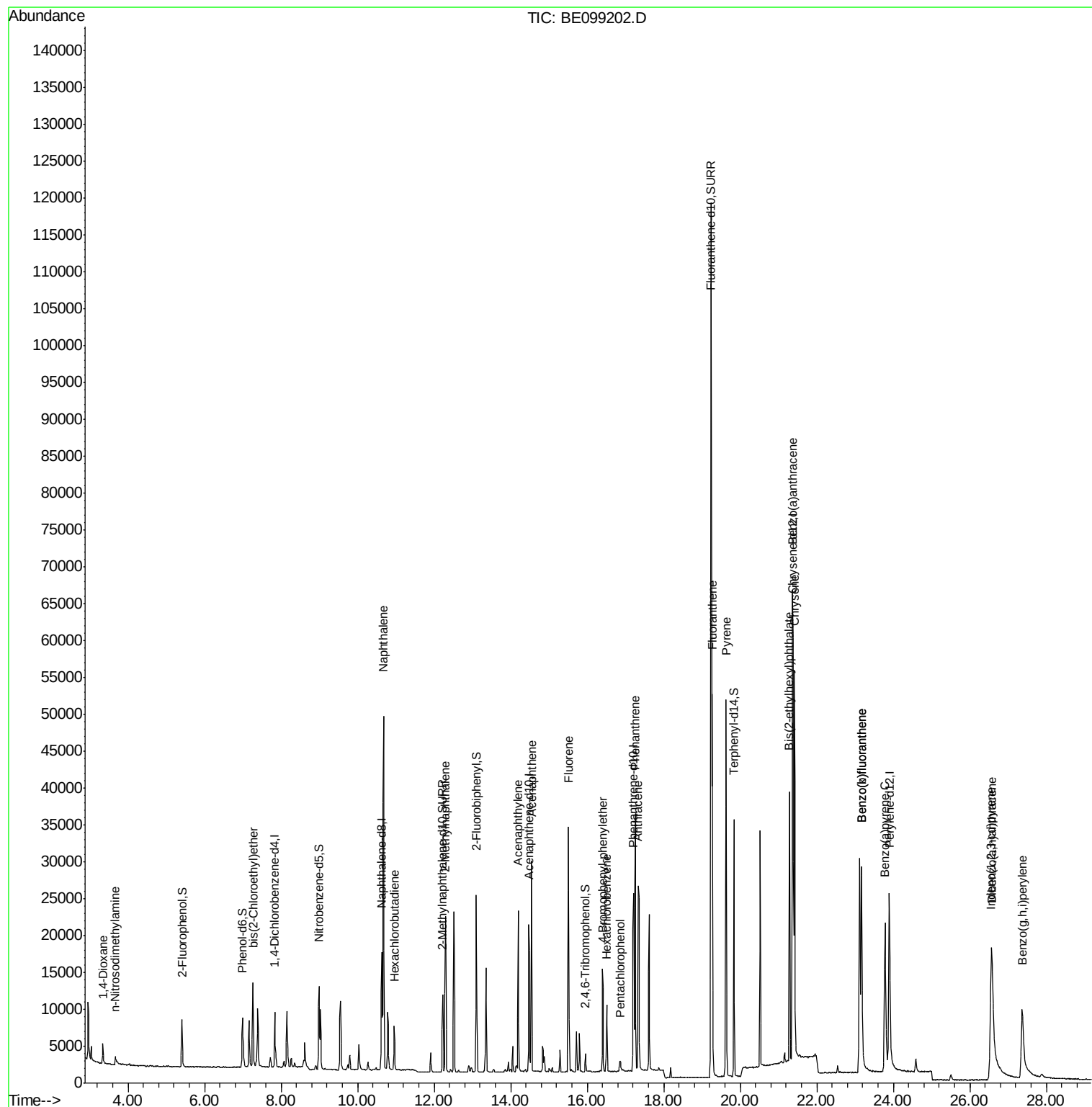
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	1868	0.349	ng	97
3) n-Nitrosodimethylamine	3.67	42	1041	0.347	ng	# 84
6) bis(2-Chloroethyl)ether	7.26	93	4948	0.340	ng	98
9) Naphthalene	10.68	128	78745	0.356	ng	100
10) Hexachlorobutadiene	10.95	225	4149	0.352	ng	98
12) 2-Methylnaphthalene	12.30	142	14119	0.357	ng	99
16) Acenaphthylene	14.20	152	23557	0.335	ng	99
17) Acenaphthene	14.54	154	14965	0.356	ng	99
18) Fluorene	15.51	166	20884	0.353	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	7835	0.332	ng	99
21) Hexachlorobenzene	16.50	284	7578	0.333	ng	99
22) Pentachlorophenol	16.87	266	1203	0.590	ng	92
23) Phenanthrene	17.25	178	37009	0.345	ng	100
24) Anthracene	17.33	178	32022	0.330	ng	99
26) Fluoranthene	19.26	202	47116	0.344	ng	99
28) Pyrene	19.63	202	47603	0.336	ng	100
30) Benzo(a)anthracene	21.37	228	47329	0.336	ng	99
31) Chrysene	21.41	228	50841	0.338	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	52169	0.311	ng	100
33) Indeno(1,2,3-cd)pyrene	26.56	276	41005	0.288	ng	96
35) Benzo(b)fluoranthene	23.17	252	49223	0.365	ng	99
36) Benzo(k)fluoranthene	23.17	252	51389	0.361	ng	99
37) Benzo(a)pyrene	23.78	252	42648	0.339	ng	99
38) Dibenzo(a,h)anthracene	26.57	278	33078	0.296	ng	# 98
39) Benzo(g,h,i)perylene	27.37	276	34386	0.307	ng	98

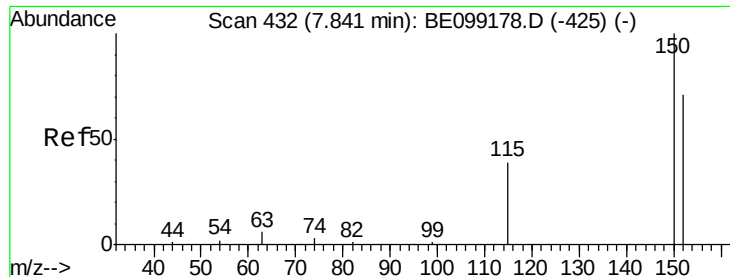
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

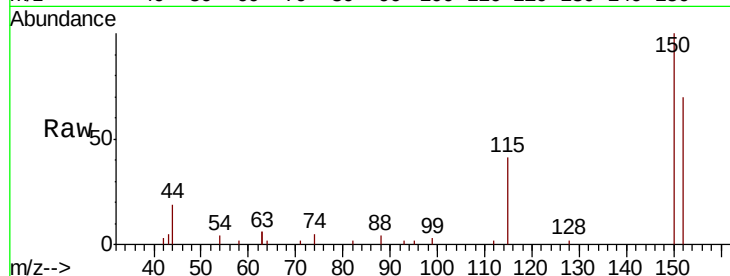
Tgt Ion: 152 Resp: 4062

Ion Ratio Lower Upper

152 100

150 143.5 112.8 169.2

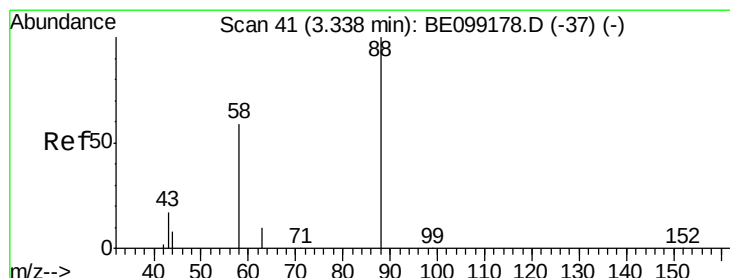
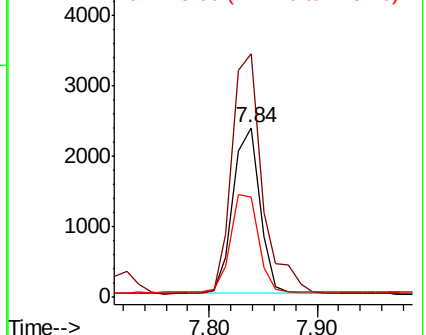
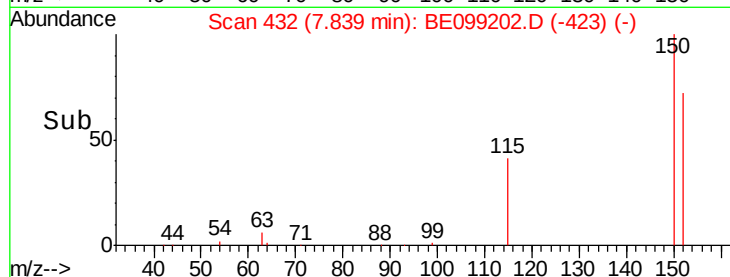
115 58.9 45.1 67.7



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: 0.349 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

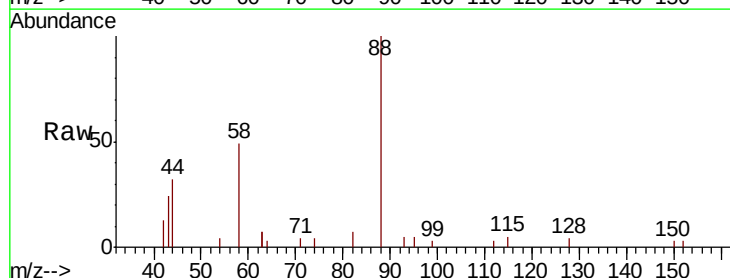
Tgt Ion: 88 Resp: 1868

Ion Ratio Lower Upper

88 100

58 61.6 47.4 71.0

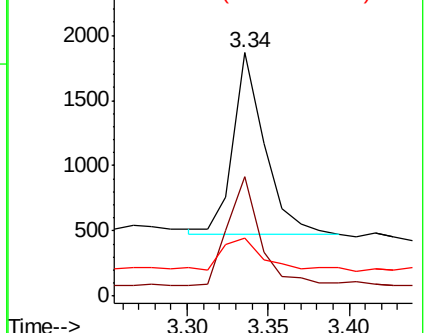
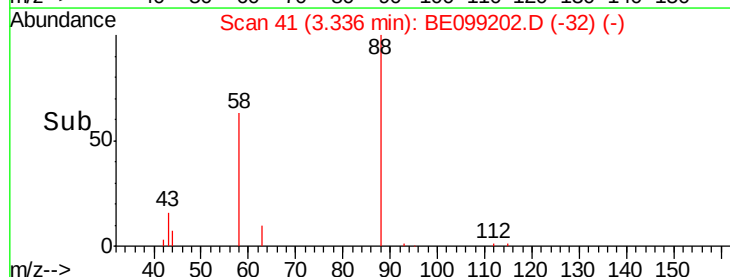
43 20.2 15.6 23.4

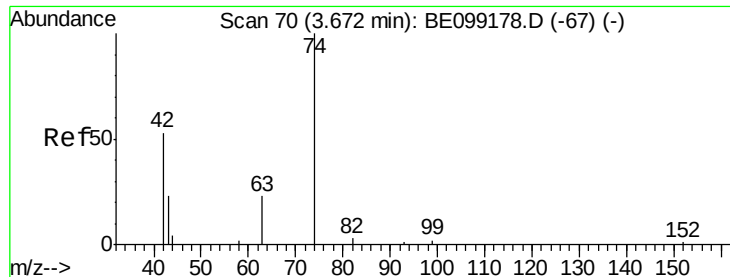


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.347 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

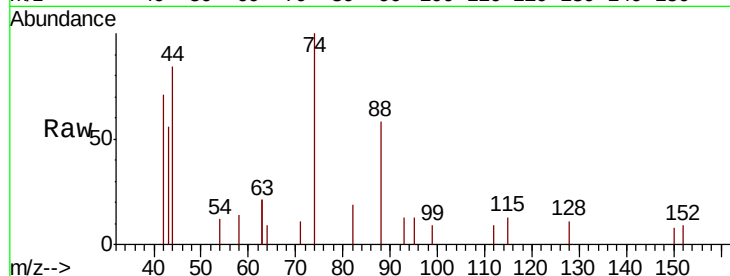
Tgt Ion: 42 Resp: 1041

Ion Ratio Lower Upper

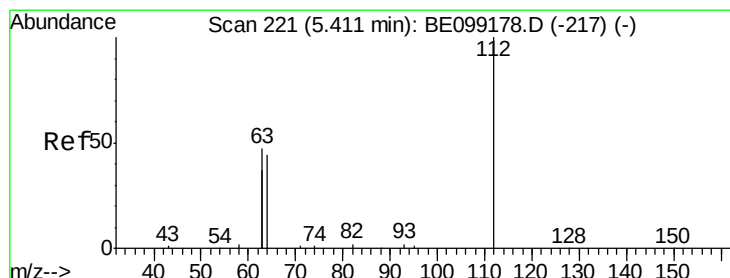
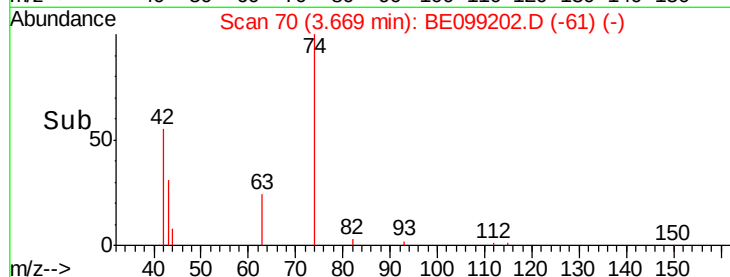
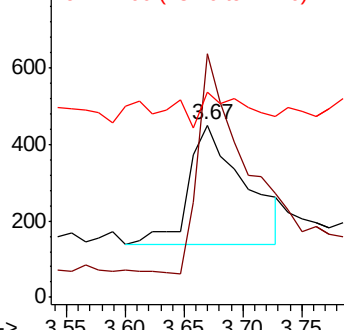
42 100

74 150.1 138.6 207.8

44 24.2 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: 0.354 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

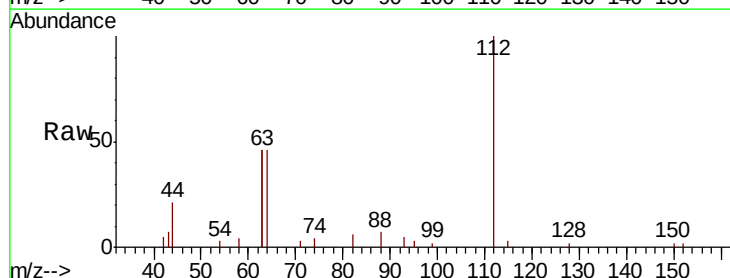
Tgt Ion: 112 Resp: 4292

Ion Ratio Lower Upper

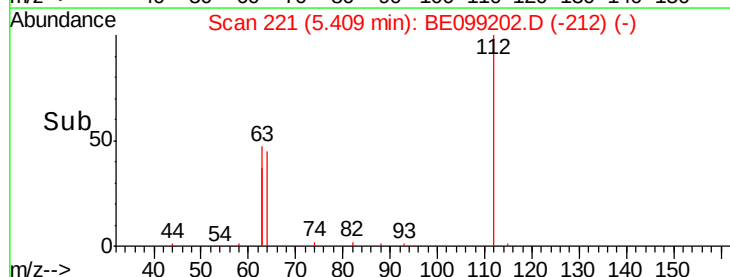
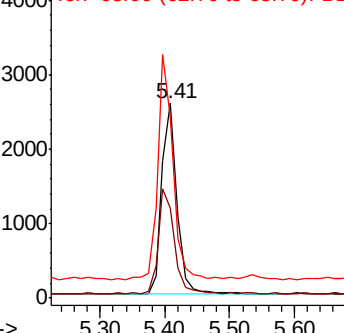
112 100

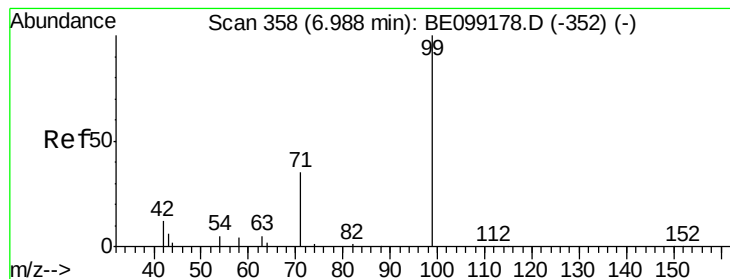
64 55.2 46.2 69.2

63 114.2 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: 0.355 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

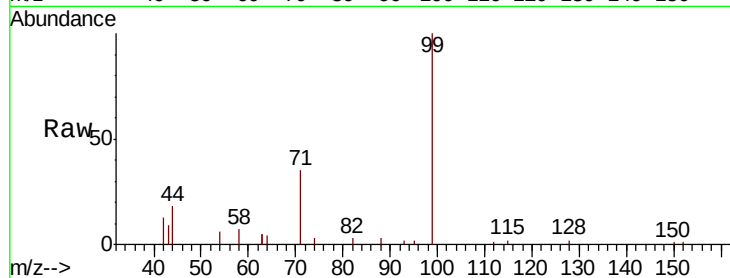
Tgt Ion: 99 Resp: 6573

Ion Ratio Lower Upper

99 100

42 15.5 12.4 18.6

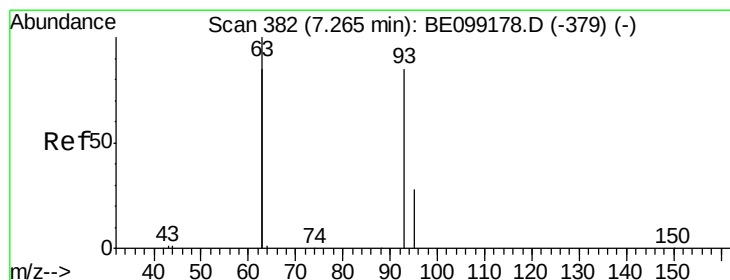
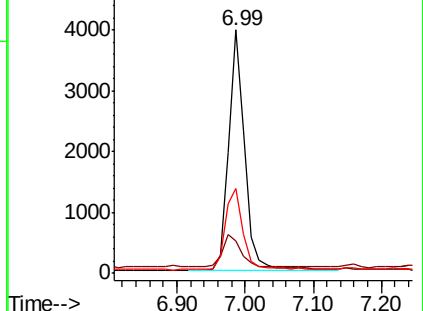
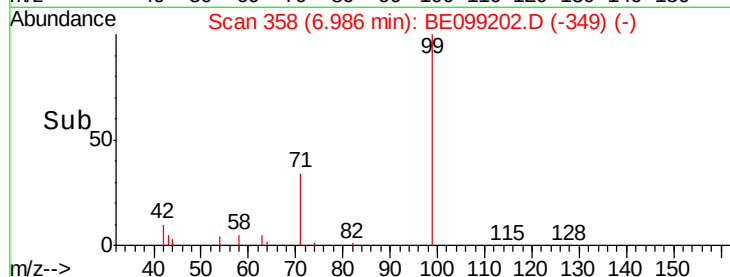
71 36.9 28.4 42.6



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: 0.340 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

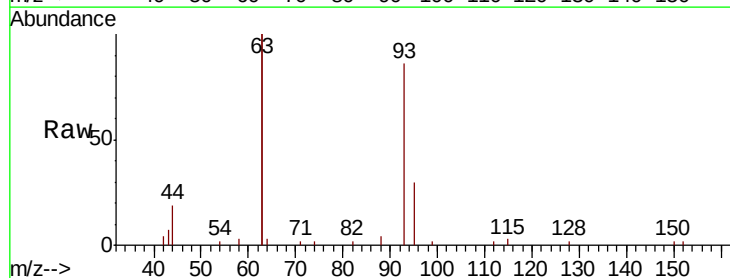
Tgt Ion: 93 Resp: 4948

Ion Ratio Lower Upper

93 100

63 280.9 221.4 332.0

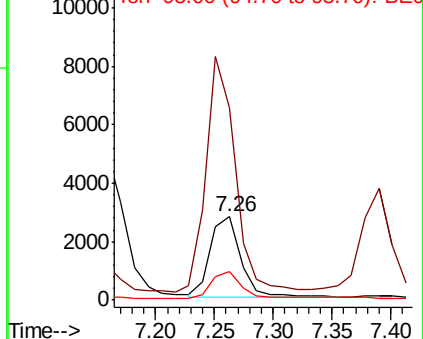
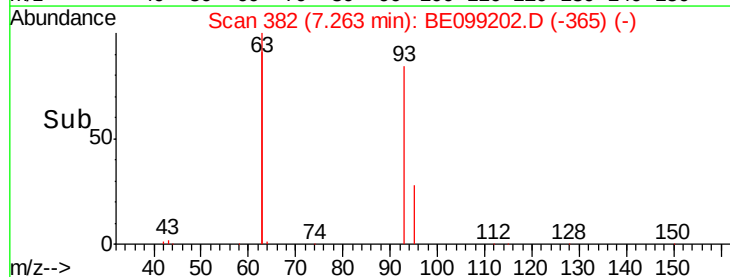
95 33.0 25.8 38.8

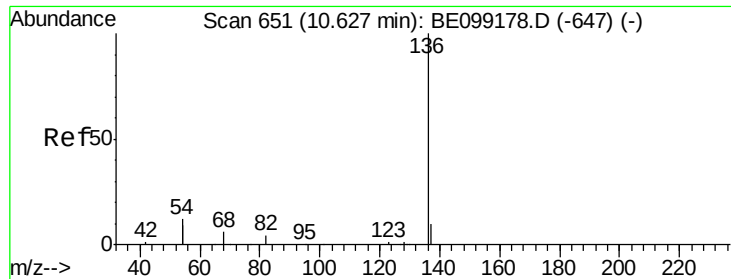


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 136 Resp: 18764

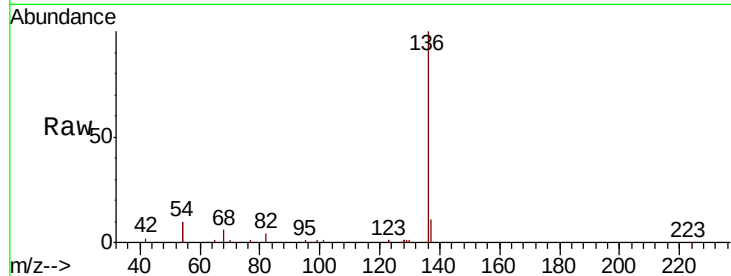
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 20.6 18.7 28.1

68 5.9 5.2 7.8

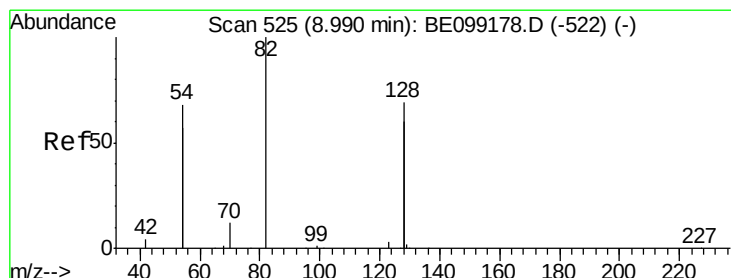
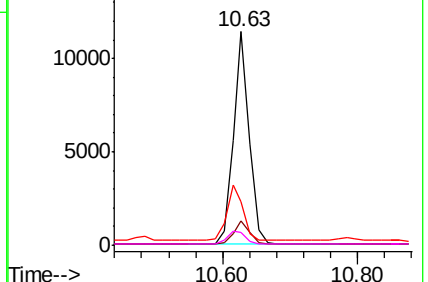
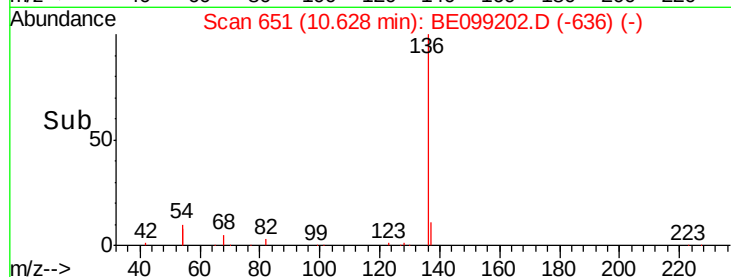


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.353 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

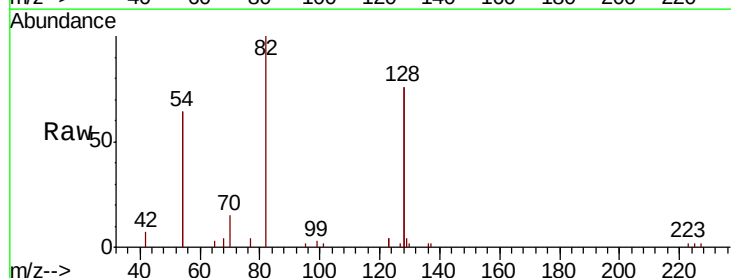
Tgt Ion: 82 Resp: 5405

Ion Ratio Lower Upper

82 100

128 152.4 107.5 161.3

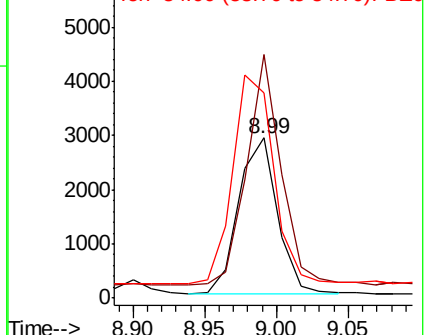
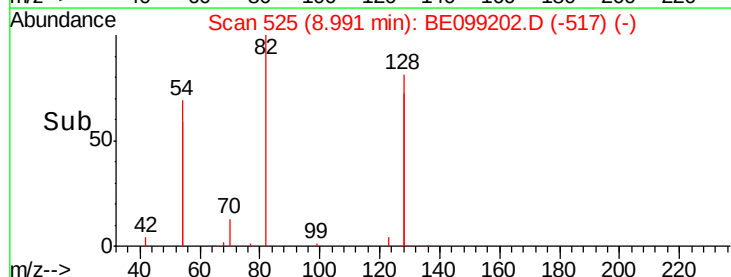
54 128.7 106.3 159.5

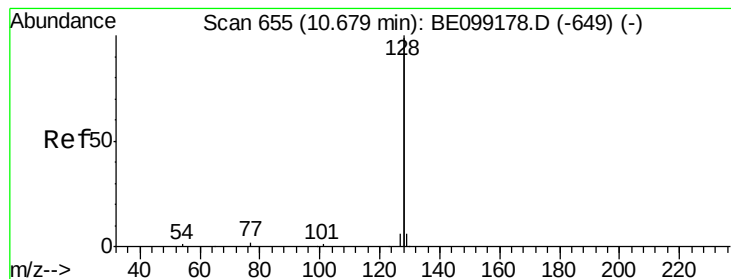


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.356 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

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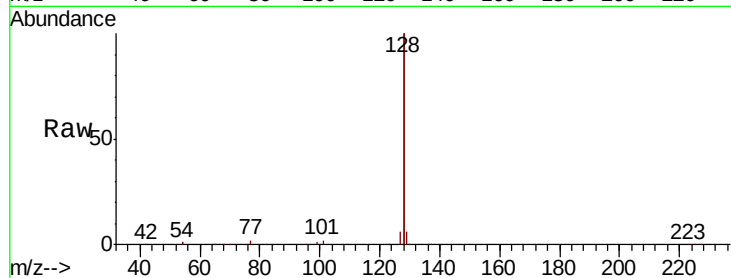
Tgt Ion:128 Resp: 78745

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

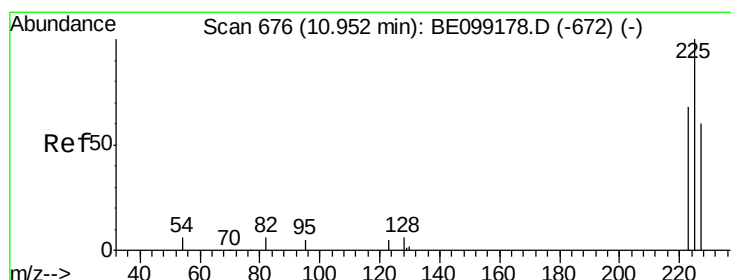
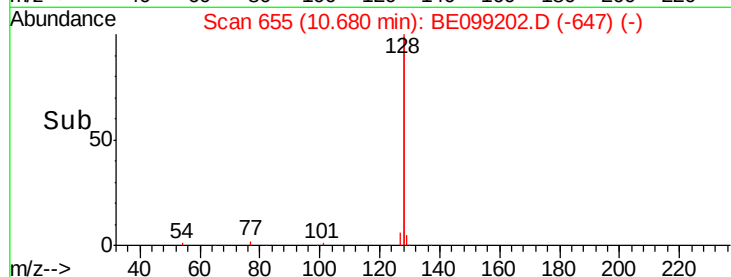
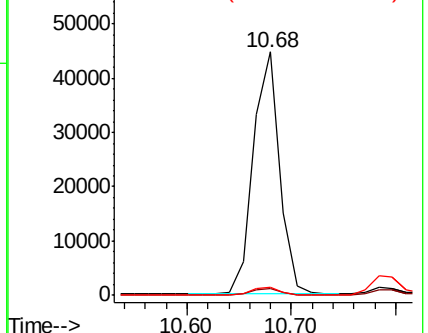
127 3.1 2.6 3.8



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: 0.352 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

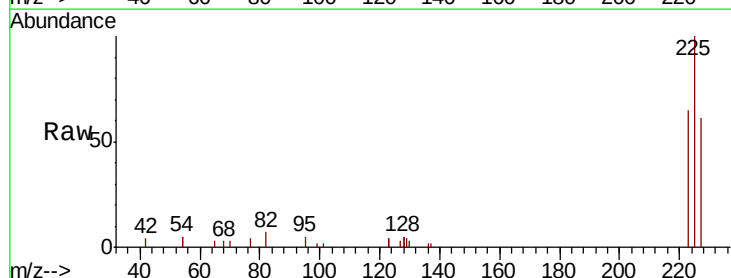
Tgt Ion:225 Resp: 4149

Ion Ratio Lower Upper

225 100

223 64.2 51.3 76.9

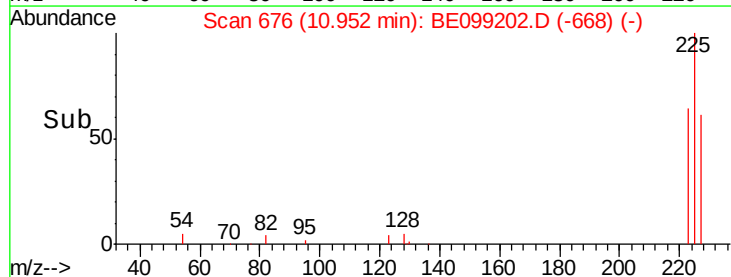
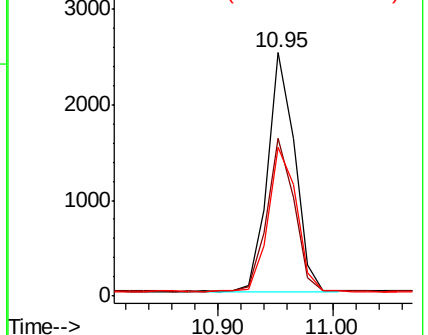
227 63.4 48.6 73.0

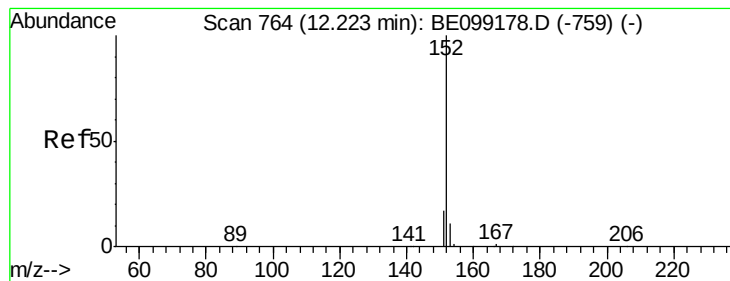


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.364 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

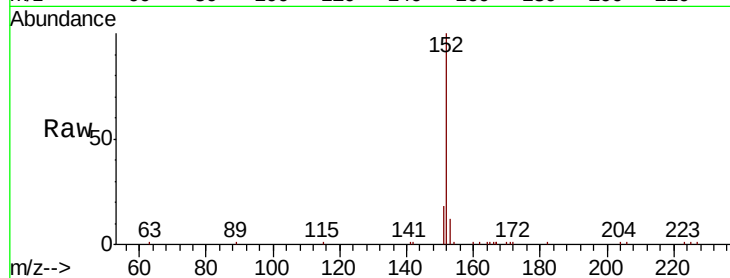
SSTDCCC0.4EC

Tgt Ion:152 Resp: 13147

Ion Ratio Lower Upper

152 100

151 18.9 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

8000

6000

4000

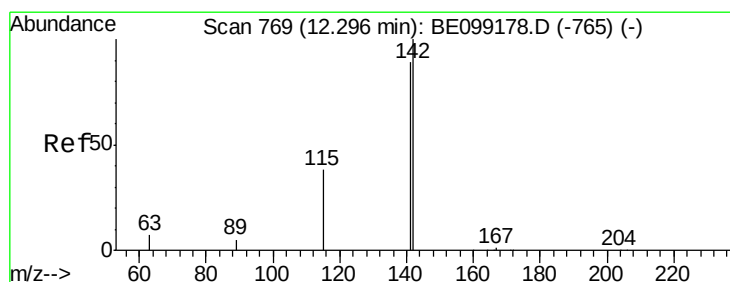
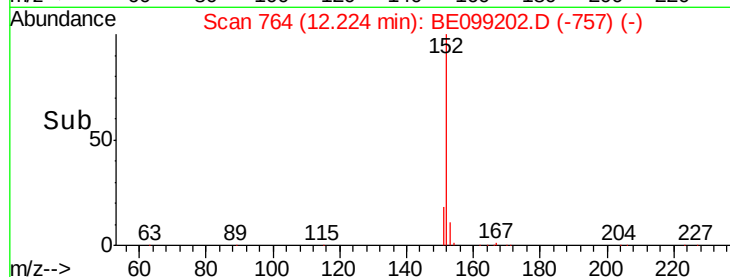
2000

0

12.20

12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.357 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

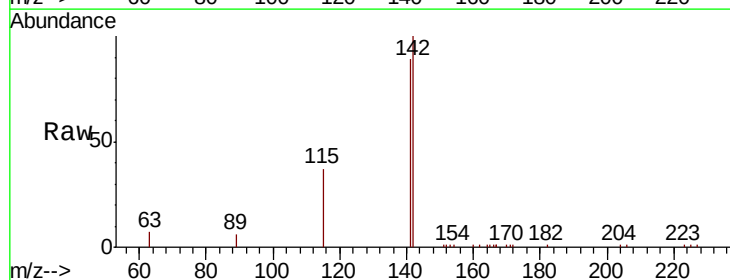
Tgt Ion:142 Resp: 14119

Ion Ratio Lower Upper

142 100

141 89.3 71.3 106.9

115 36.5 30.4 45.6



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

12000

10000

8000

6000

4000

2000

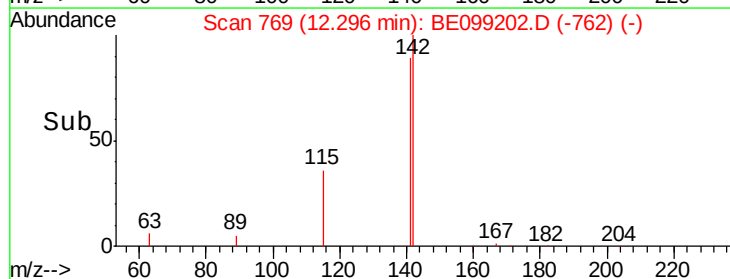
0

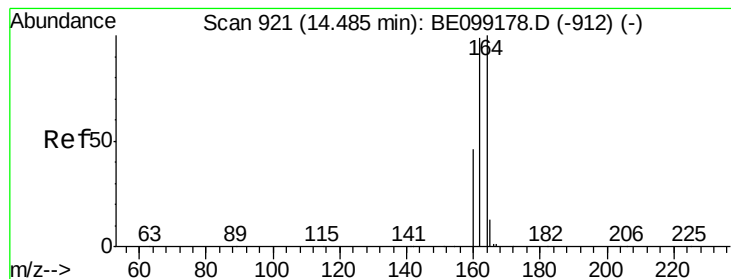
12.20

12.30

12.40

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

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ClientSampleId :

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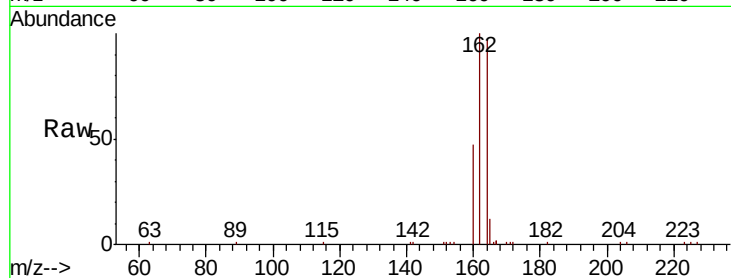
Tgt Ion:164 Resp: 13798

Ion Ratio Lower Upper

164 100

162 102.9 79.2 118.8

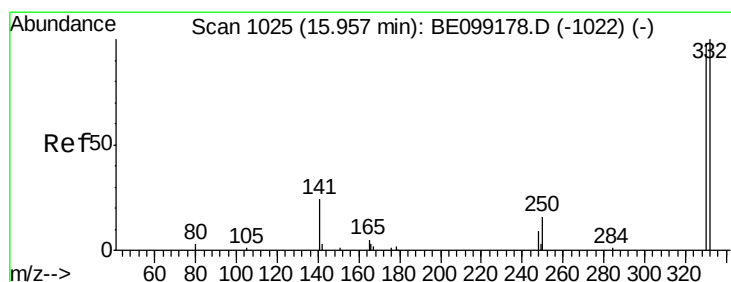
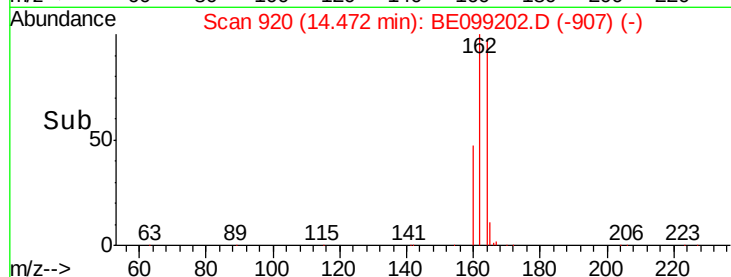
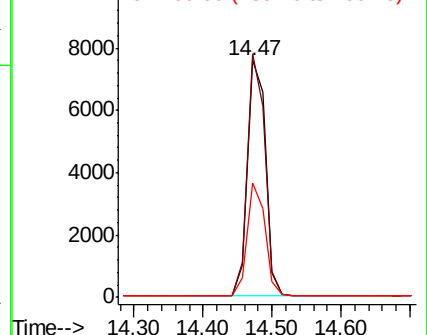
160 48.5 36.7 55.1



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: 0.443 ng

RT: 15.96 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

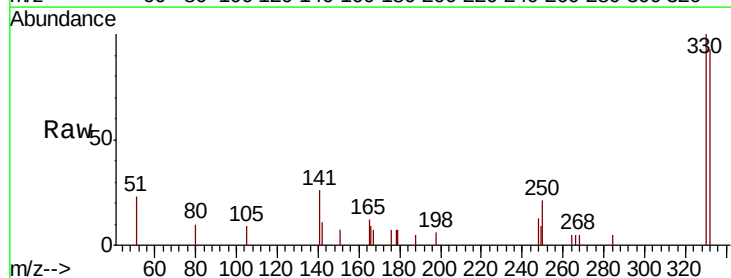
Tgt Ion:330 Resp: 1675

Ion Ratio Lower Upper

330 100

332 96.6 71.3 106.9

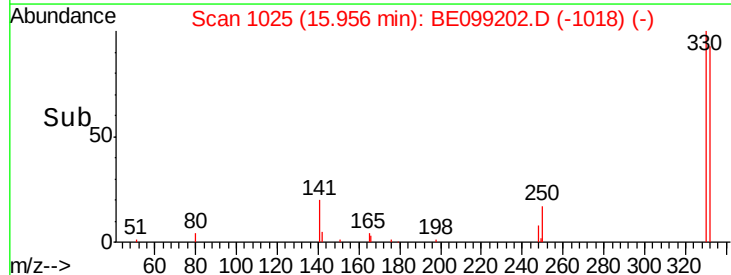
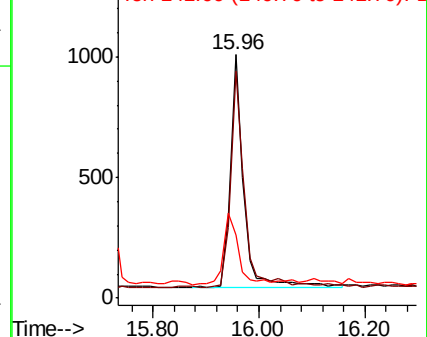
141 33.7 21.7 32.5#

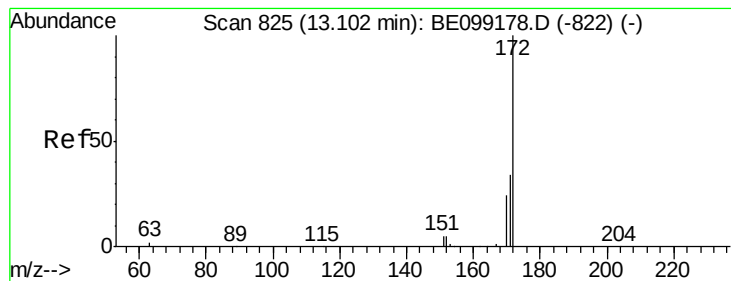


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

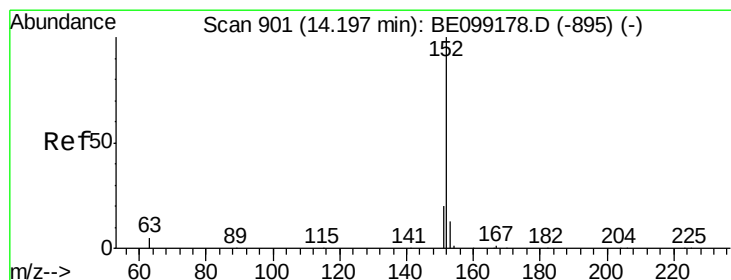
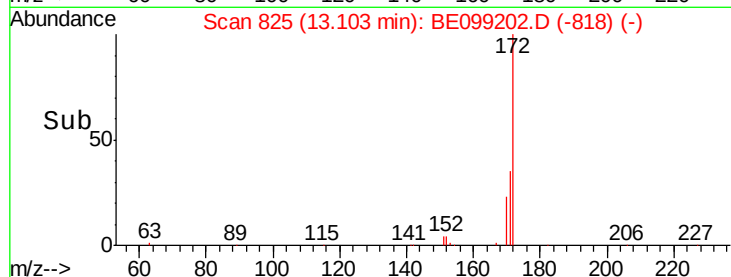
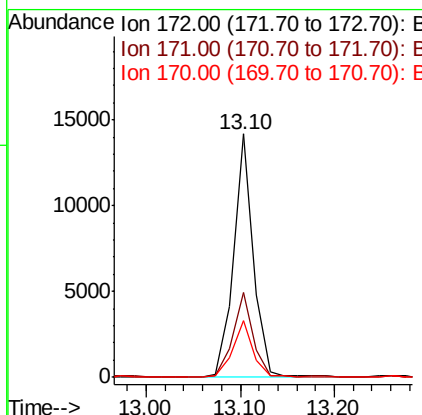
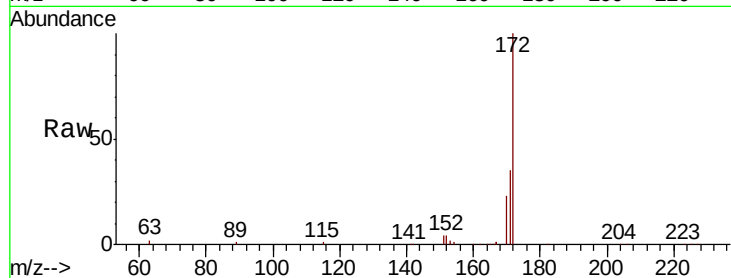




#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099202.D
Acq: 26 Mar 2019 4:59

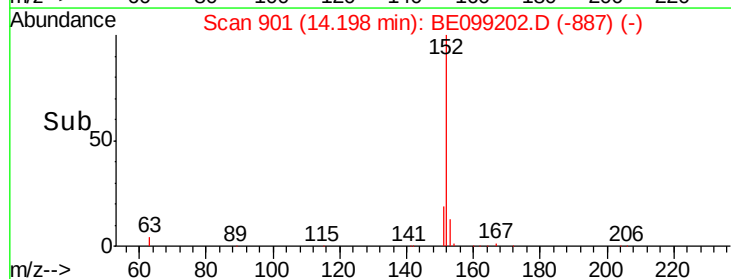
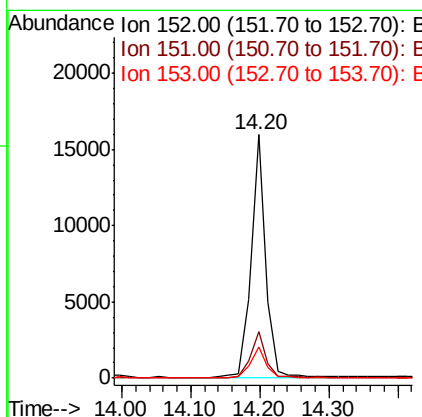
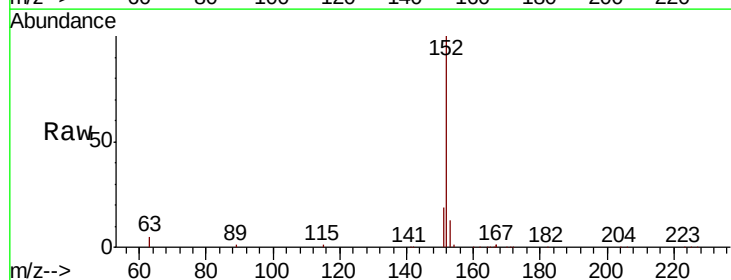
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

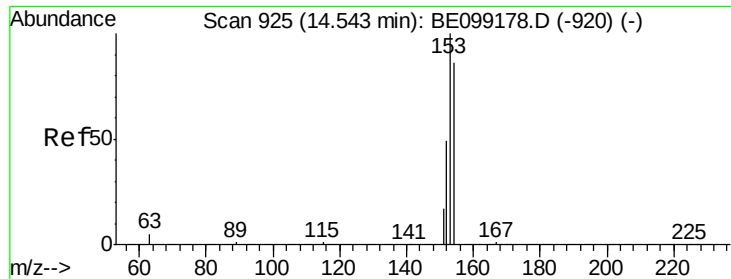
Tgt Ion:172 Resp: 20348
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 23.5 19.1 28.7



#16
Acenaphthylene
Concen: 0.335 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099202.D
Acq: 26 Mar 2019 4:59

Tgt Ion:152 Resp: 23557
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 12.8 10.6 15.8





#17

Acenaphthene

Concen: 0.356 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

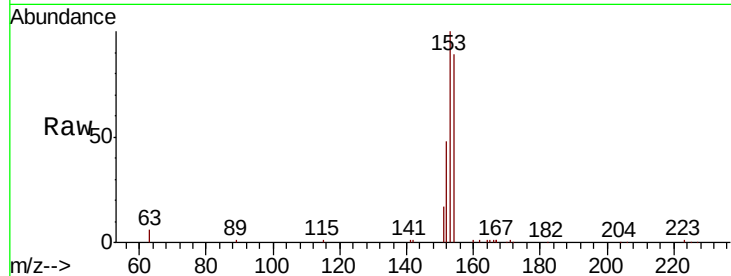
Tgt Ion:154 Resp: 14965

Ion Ratio Lower Upper

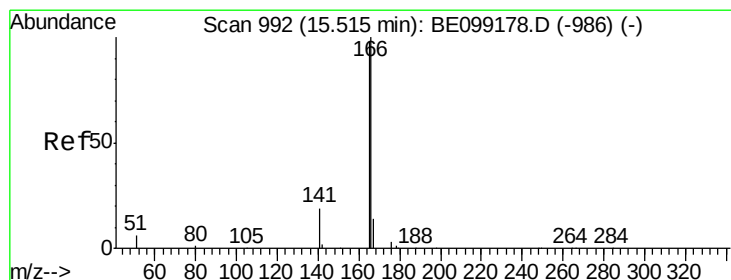
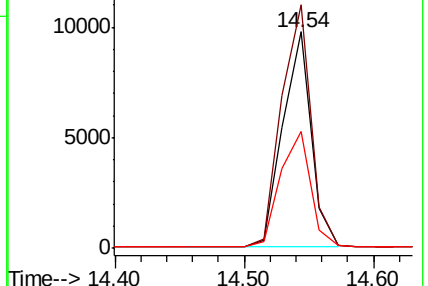
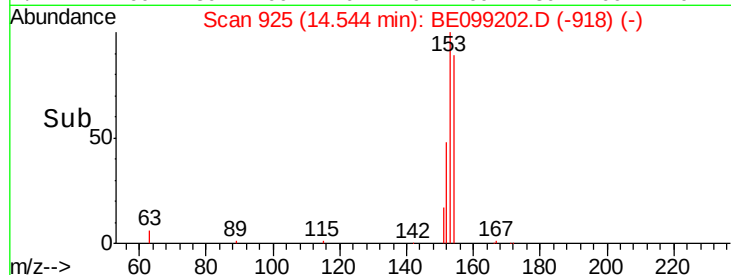
154 100

153 115.8 93.4 140.0

152 56.6 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: 0.353 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

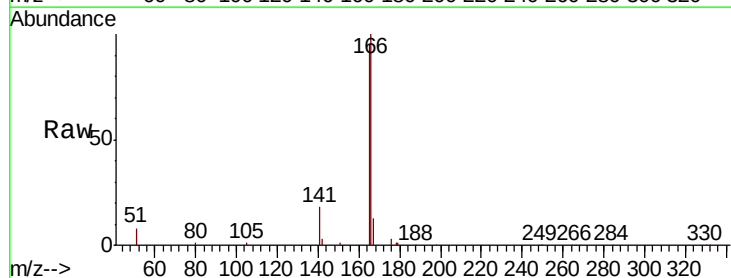
Tgt Ion:166 Resp: 20884

Ion Ratio Lower Upper

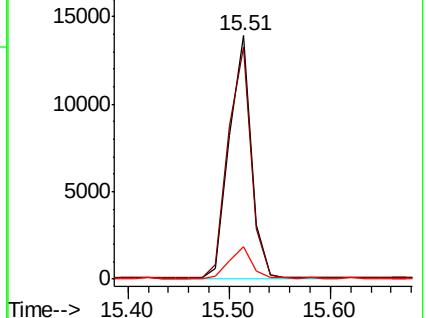
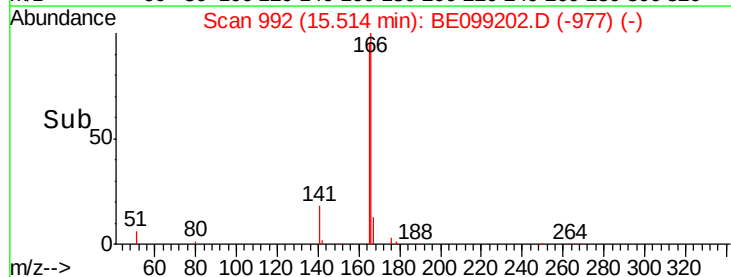
166 100

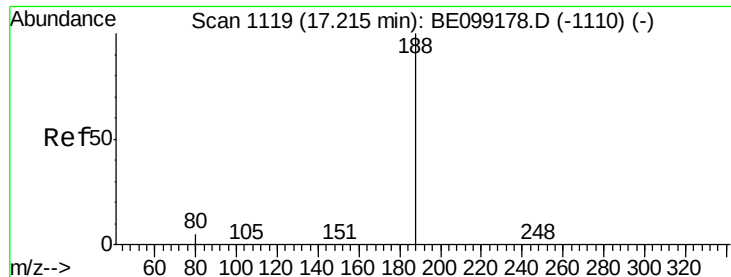
165 99.3 78.9 118.3

167 13.0 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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

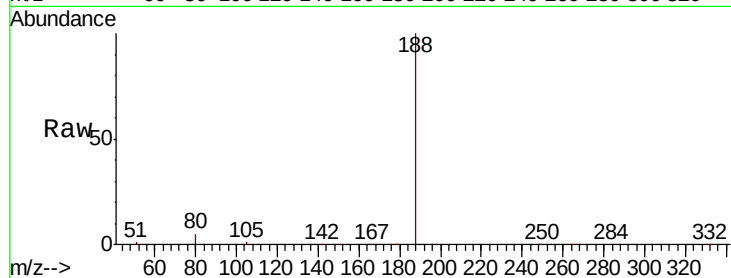
Tgt Ion:188 Resp: 36533

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

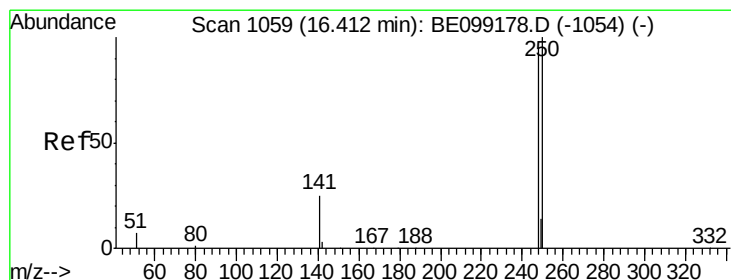
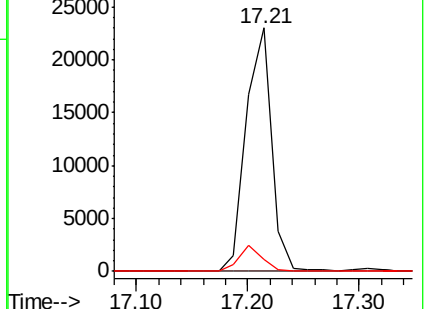
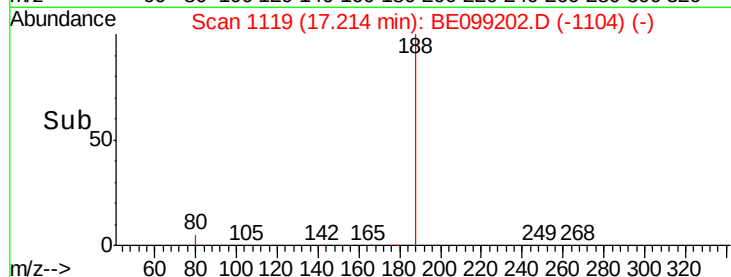
80 4.9 4.5 6.7



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: 0.332 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

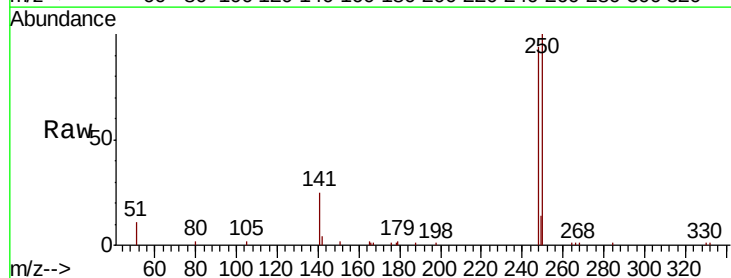
Tgt Ion:248 Resp: 7835

Ion Ratio Lower Upper

248 100

250 106.3 84.2 126.2

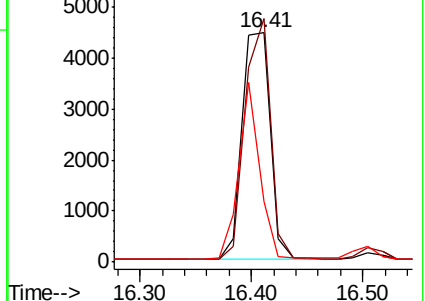
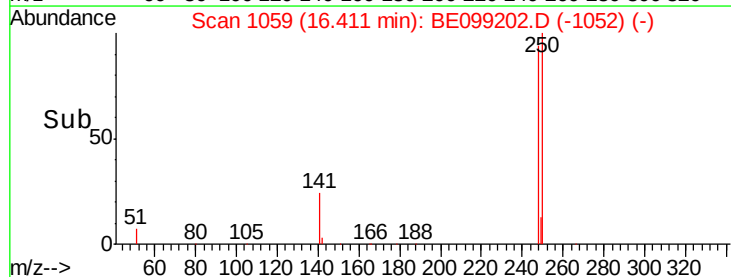
141 26.7 21.8 32.6

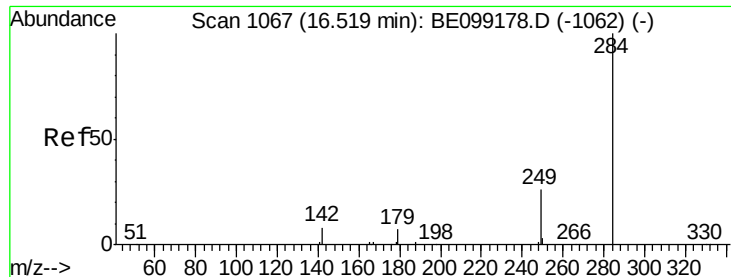


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.333 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

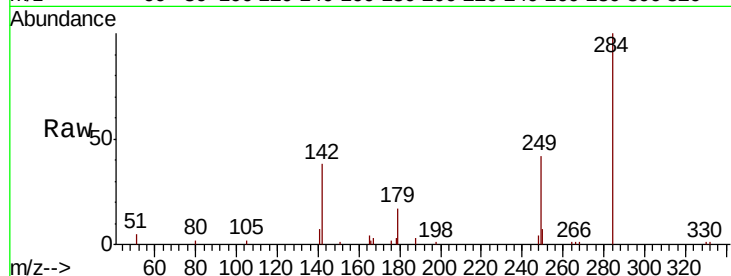
Tgt Ion:284 Resp: 7578

Ion Ratio Lower Upper

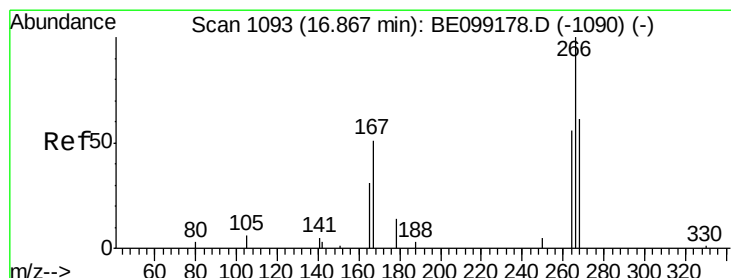
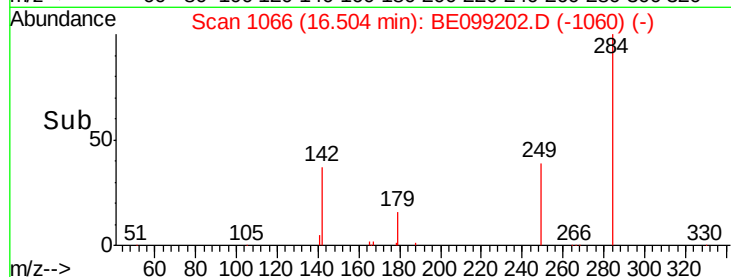
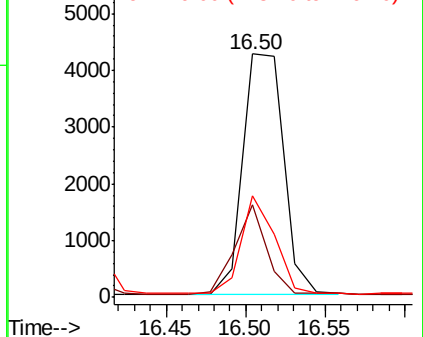
284 100

142 29.3 22.7 34.1

249 33.6 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: 0.590 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

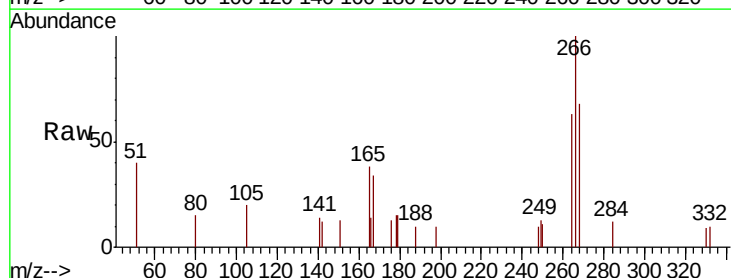
Tgt Ion:266 Resp: 1203

Ion Ratio Lower Upper

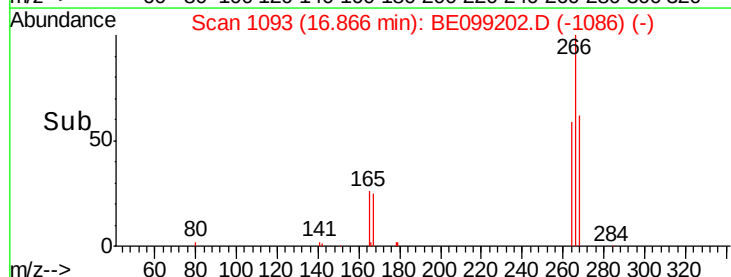
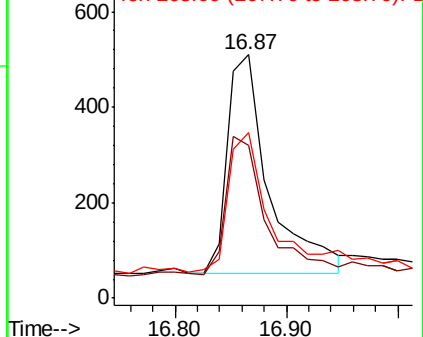
266 100

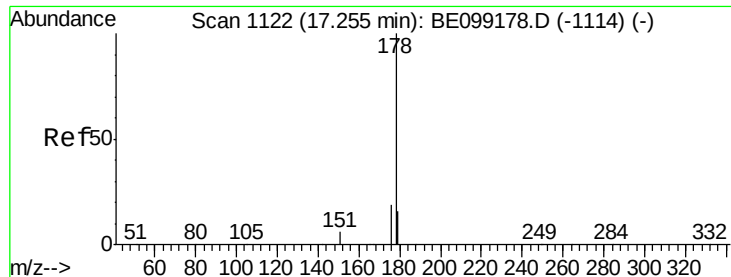
264 62.5 54.4 81.6

268 68.2 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: 0.345 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

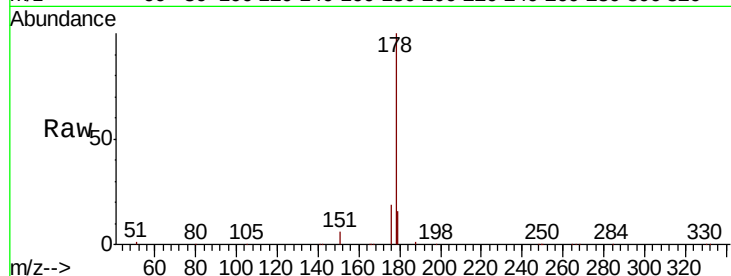
Tgt Ion:178 Resp: 37009

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

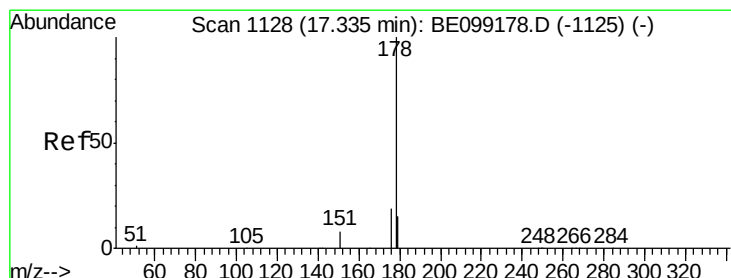
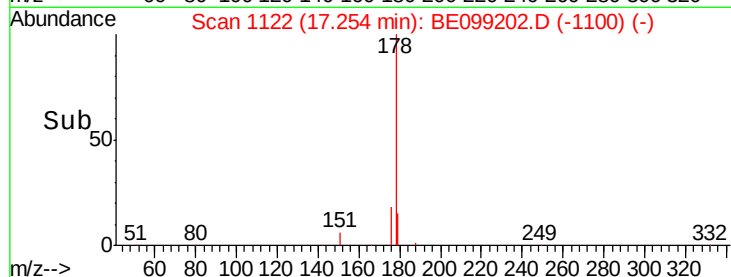
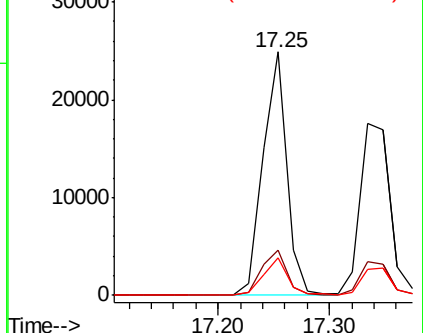
179 15.0 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.330 ng

RT: 17.33 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

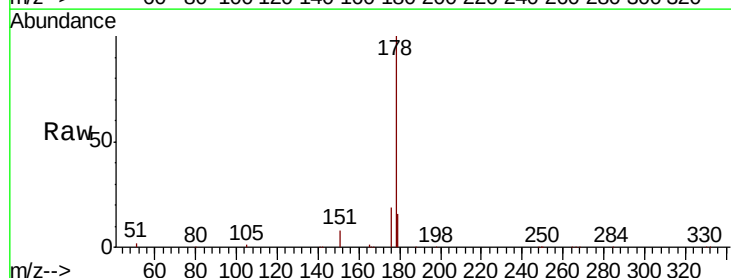
Tgt Ion:178 Resp: 32022

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

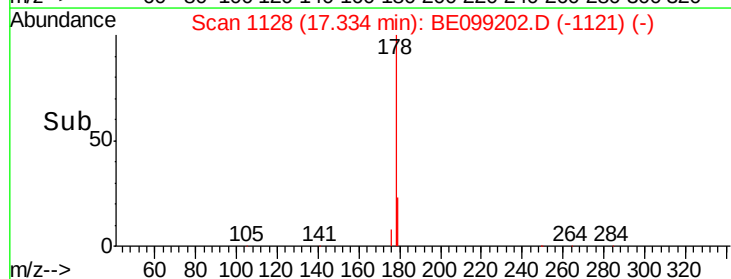
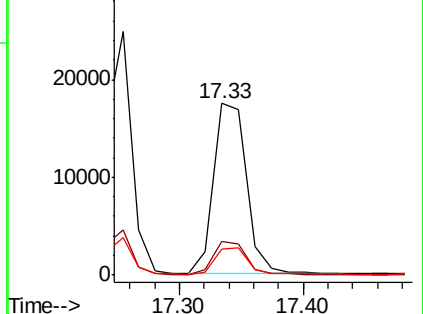
179 15.3 12.4 18.6

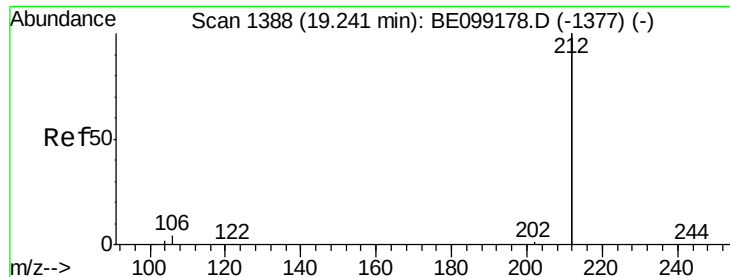


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.355 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

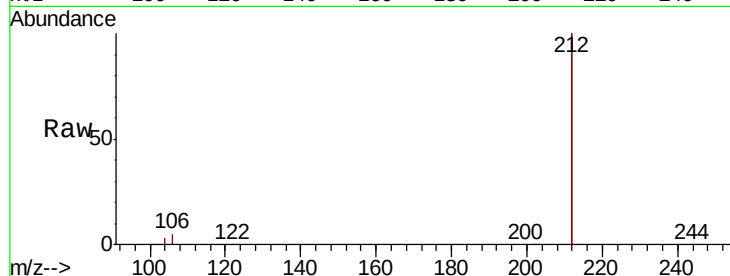
Tgt Ion:212 Resp: 157276

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

104 1.4 1.1 1.7

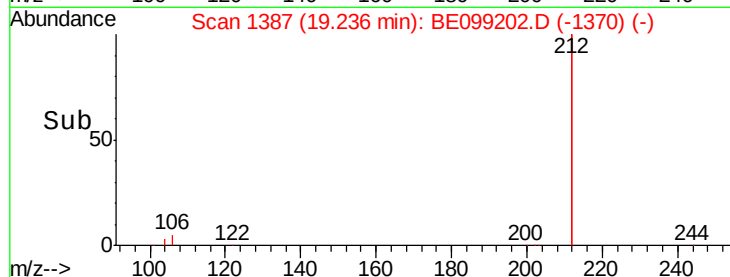


Abundance Ion 212.00 (211.70 to 212.70): E

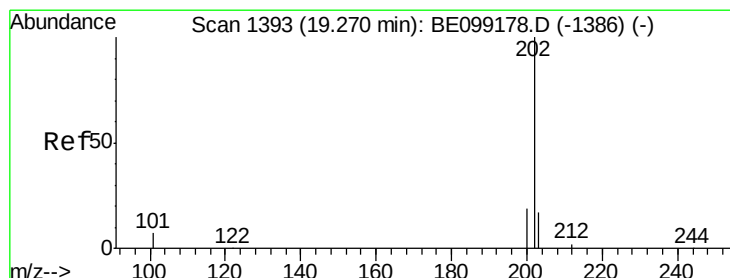
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

19.24



Time--> 19.10 19.20 19.30 19.40



#26

Fluoranthene

Concen: 0.344 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

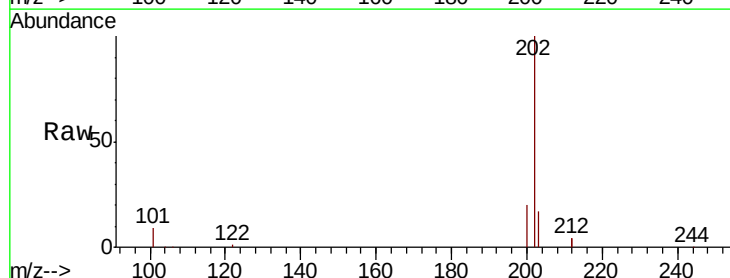
Tgt Ion:202 Resp: 47116

Ion Ratio Lower Upper

202 100

101 8.6 7.0 10.4

203 16.8 13.8 20.6

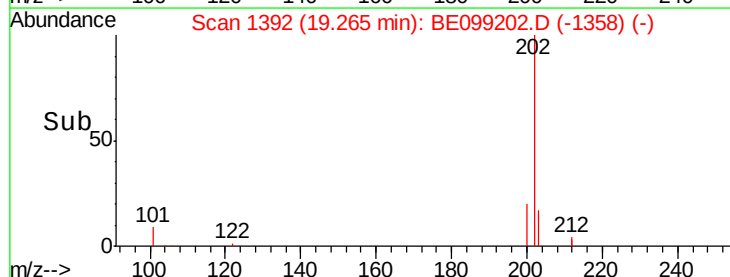


Abundance Ion 202.00 (201.70 to 202.70): E

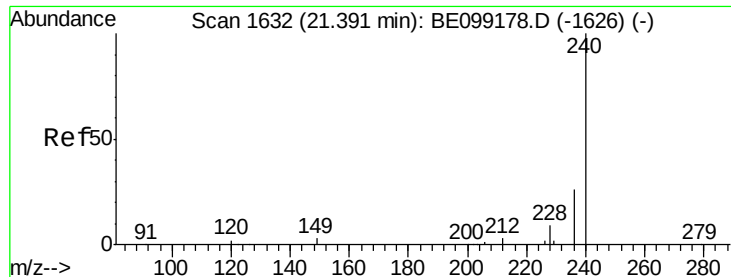
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.26



Time--> 19.10 19.20 19.30 19.40



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

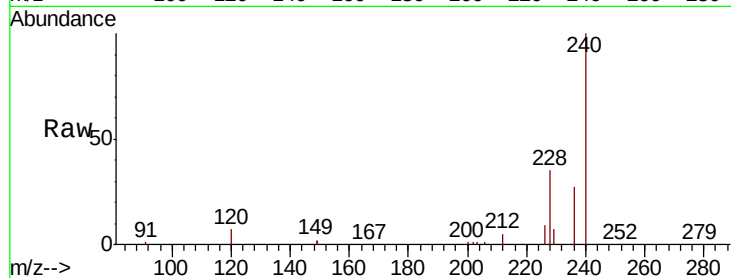
Tgt Ion:240 Resp: 42661

Ion Ratio Lower Upper

240 100

120 7.1 2.6 3.8#

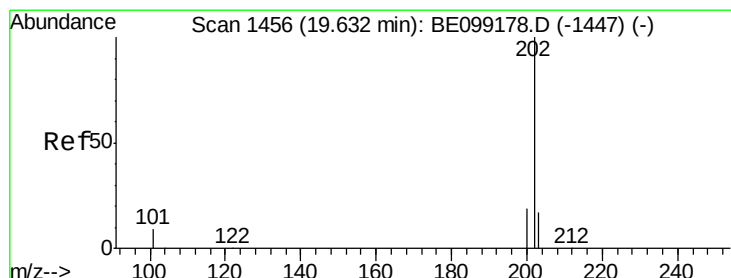
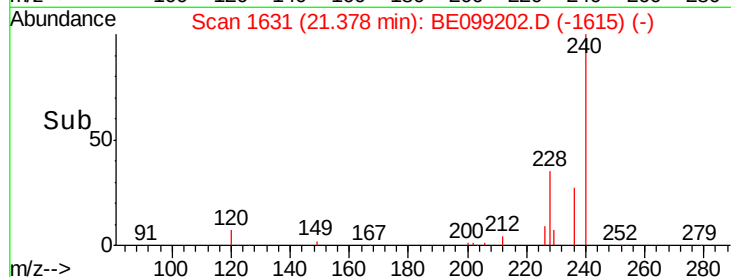
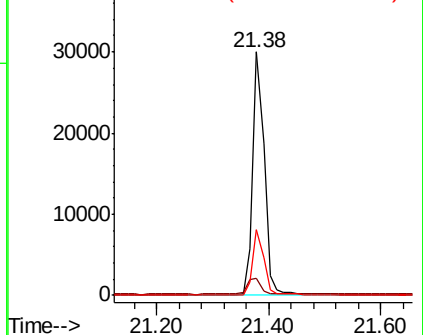
236 27.1 20.9 31.3



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: 0.336 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

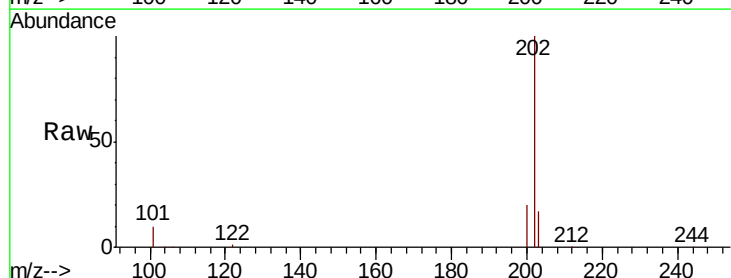
Tgt Ion:202 Resp: 47603

Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.8

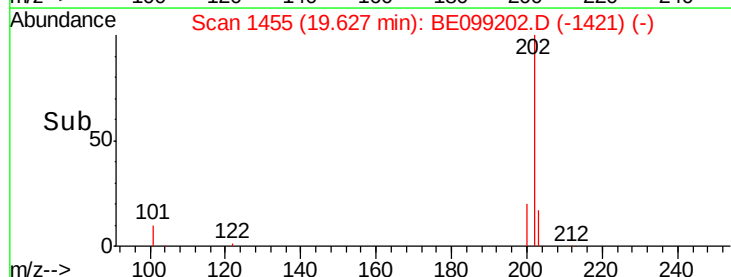
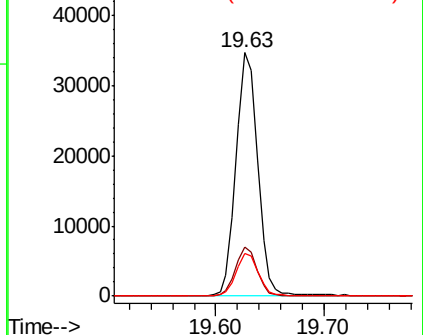
203 17.7 14.1 21.1

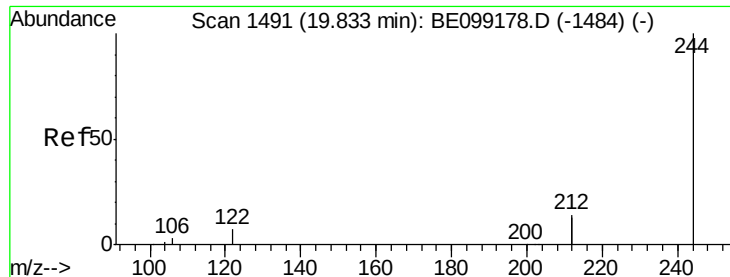


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.329 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

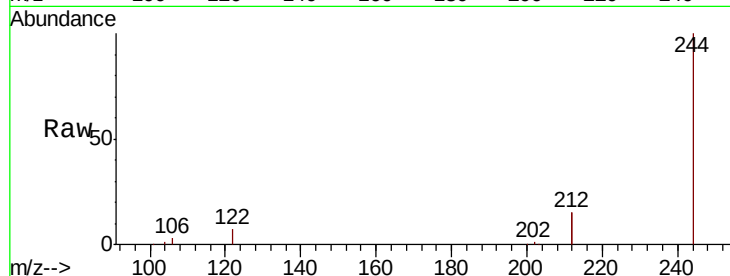
Tgt Ion:244 Resp: 30484

Ion Ratio Lower Upper

244 100

212 30.2 22.7 34.1

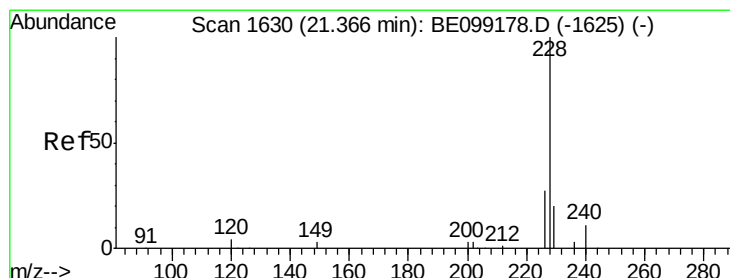
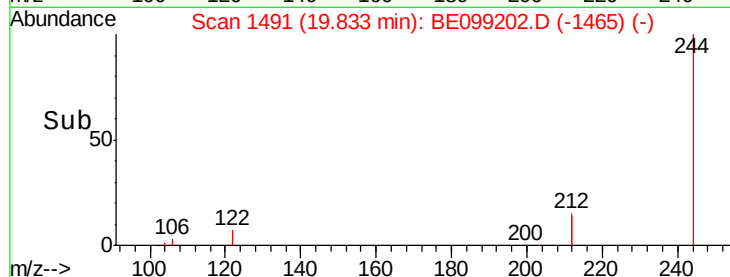
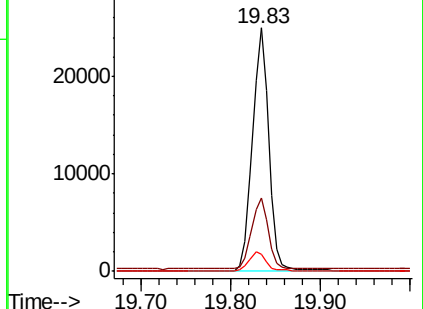
122 7.2 5.8 8.6



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: 0.336 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

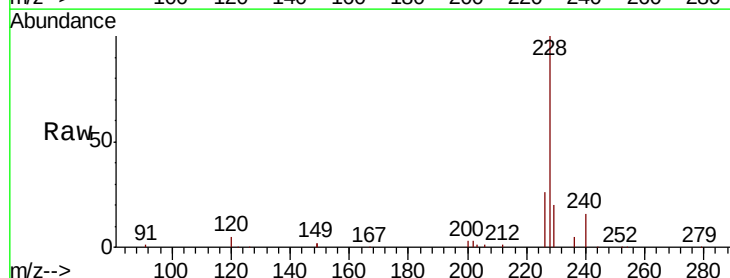
Tgt Ion:228 Resp: 47329

Ion Ratio Lower Upper

228 100

226 26.4 21.7 32.5

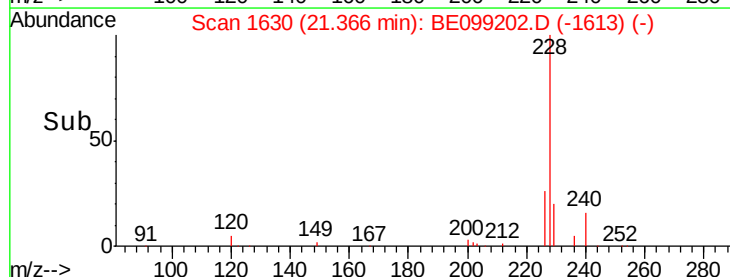
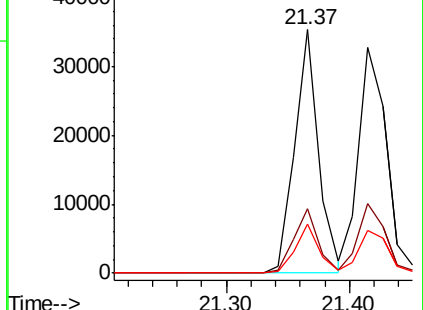
229 20.1 15.9 23.9

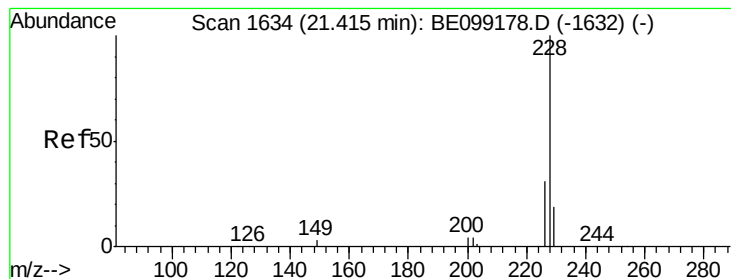


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.338 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

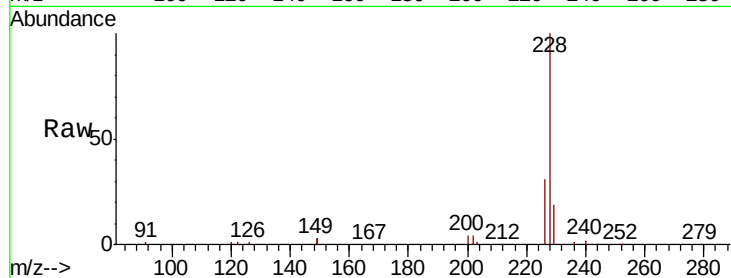
Tgt Ion:228 Resp: 50841

Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

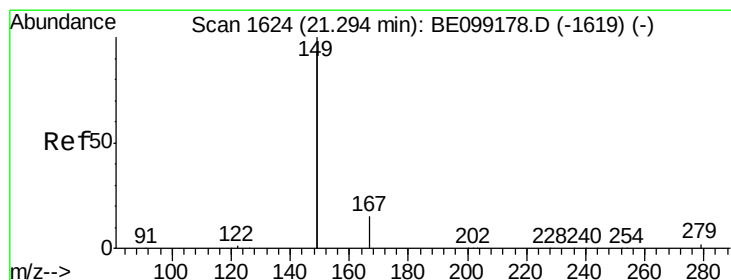
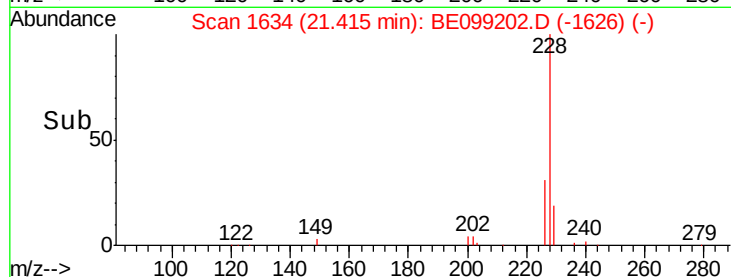
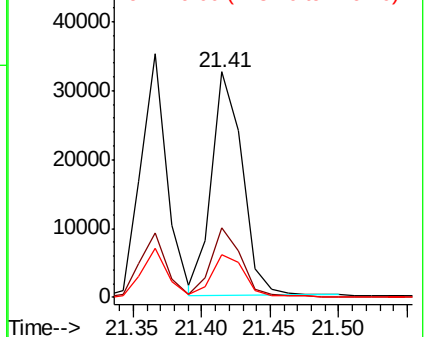
229 18.7 15.4 23.0



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: 0.311 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

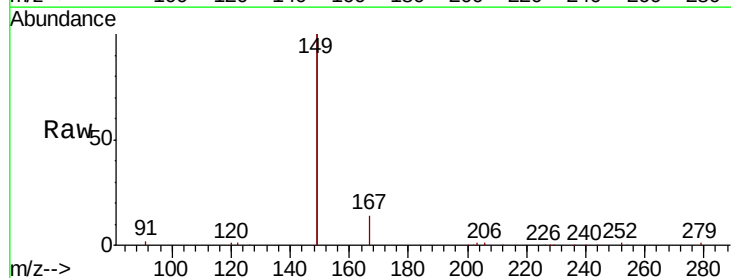
Tgt Ion:149 Resp: 52169

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

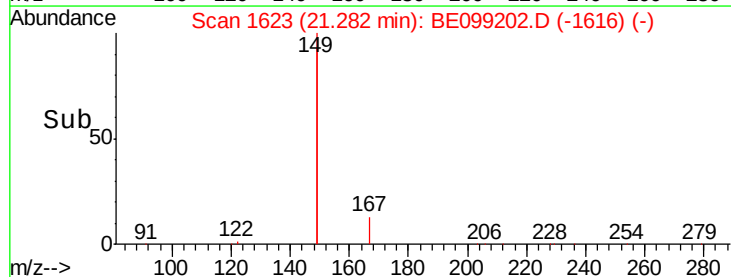
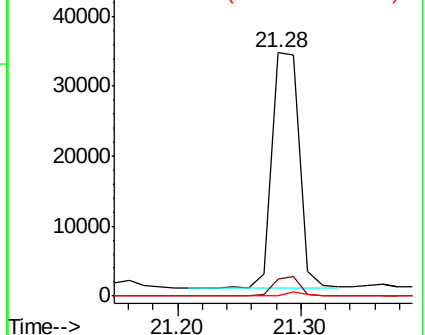
279 1.1 1.0 1.6

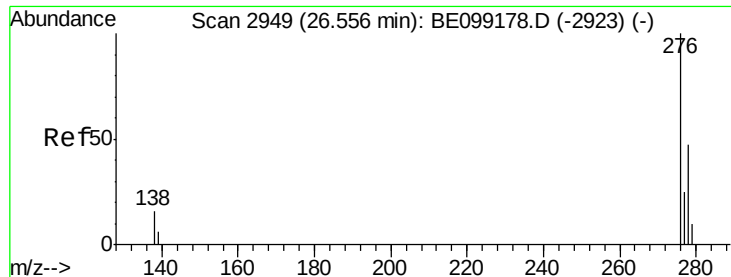


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.288 ng

RT: 26.56 min Scan# 2949

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

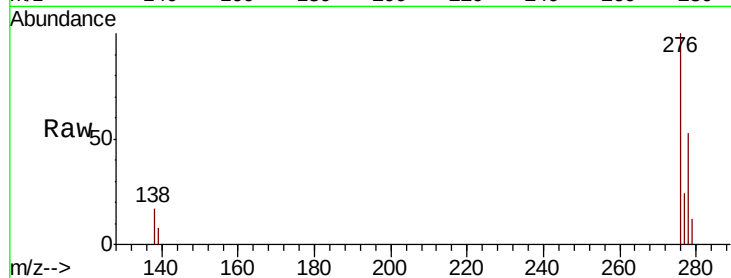
Tgt Ion:276 Resp: 41005

Ion Ratio Lower Upper

276 100

138 17.4 12.9 19.3

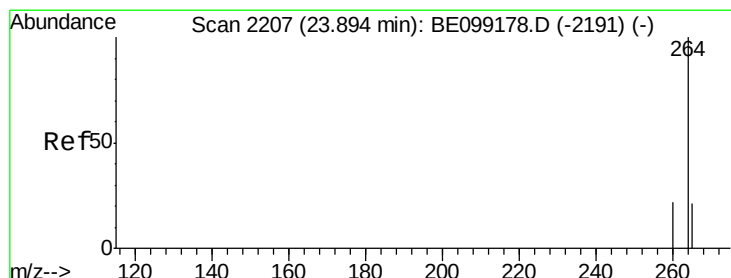
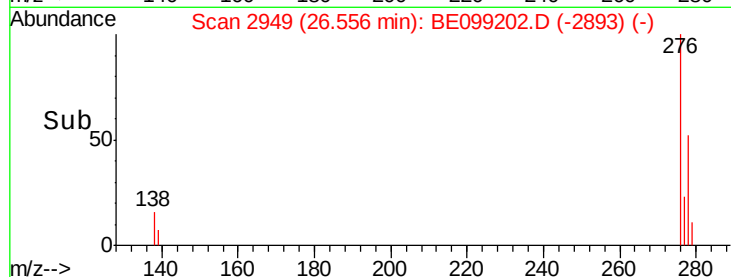
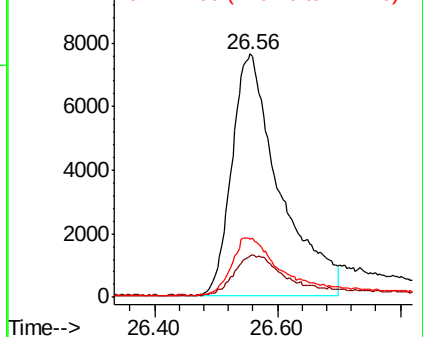
277 25.4 18.3 27.5



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: BE099202.D

Acq: 26 Mar 2019 4:59

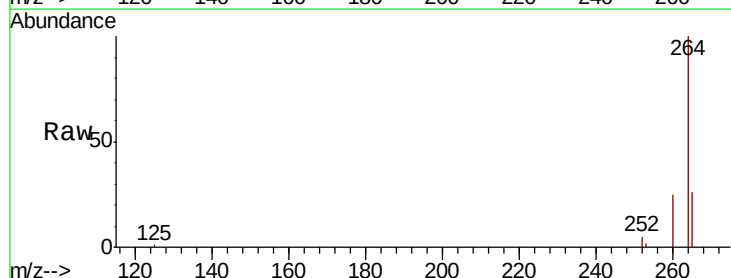
Tgt Ion:264 Resp: 40952

Ion Ratio Lower Upper

264 100

260 25.1 18.2 27.2

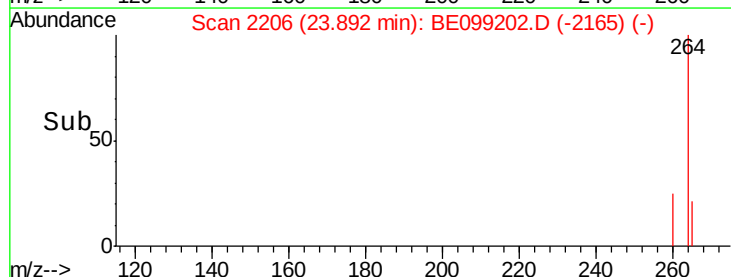
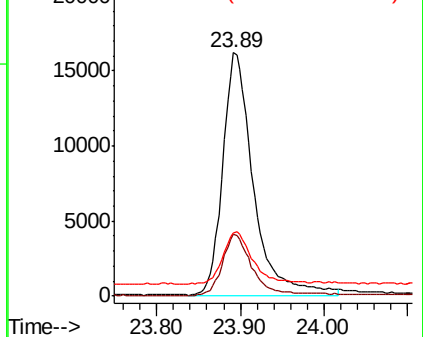
265 25.7 21.8 32.8

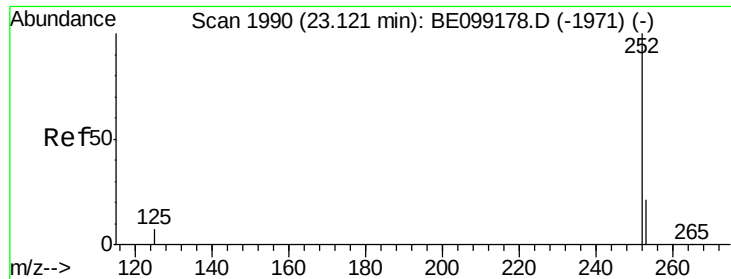


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.365 ng

RT: 23.17 min Scan# 2003

Delta R.T. 0.05 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

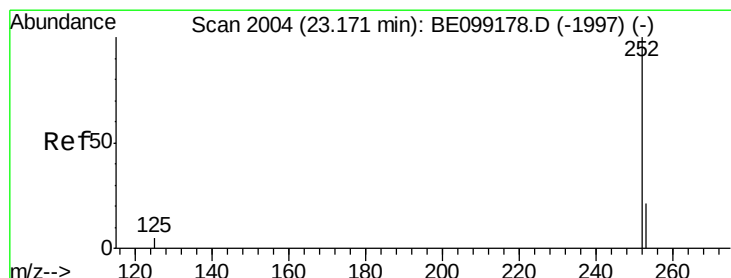
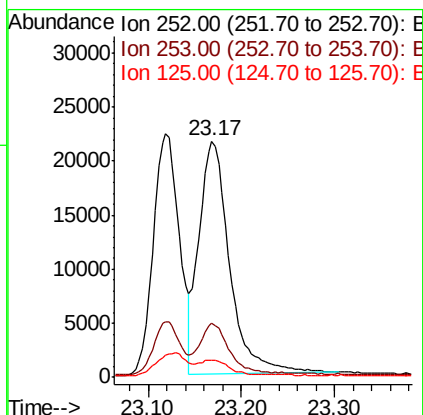
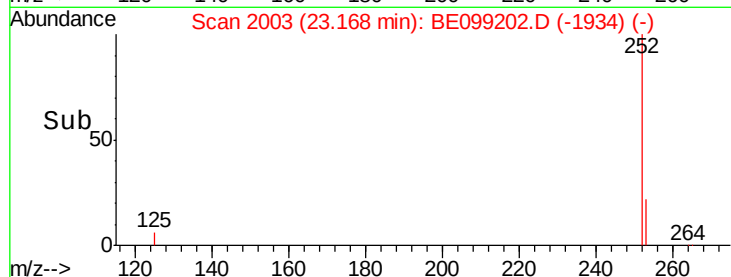
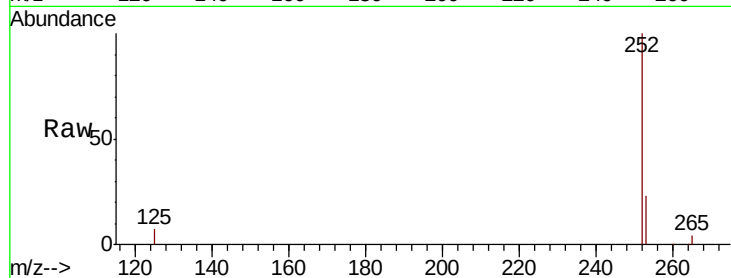
Tgt Ion:252 Resp: 49223

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 7.3 6.1 9.1



#36

Benzo(k)fluoranthene

Concen: 0.361 ng

RT: 23.17 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

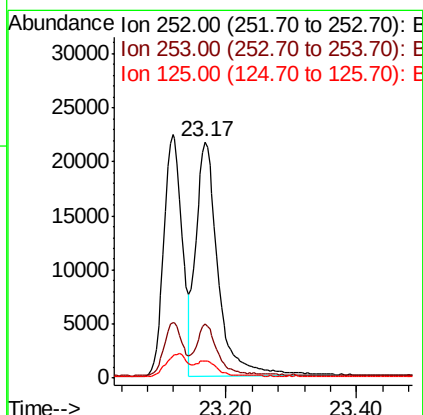
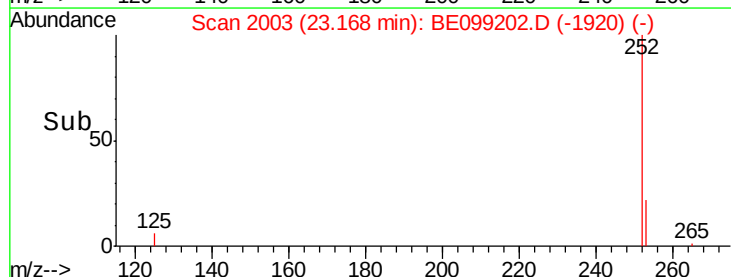
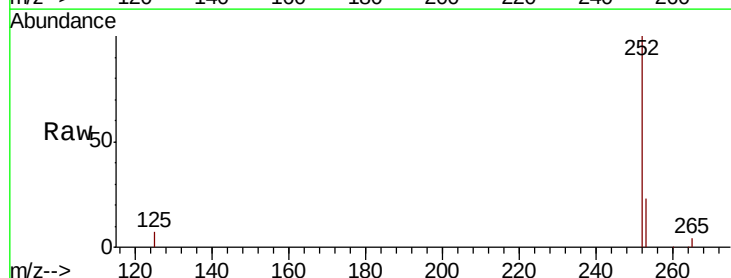
Tgt Ion:252 Resp: 51389

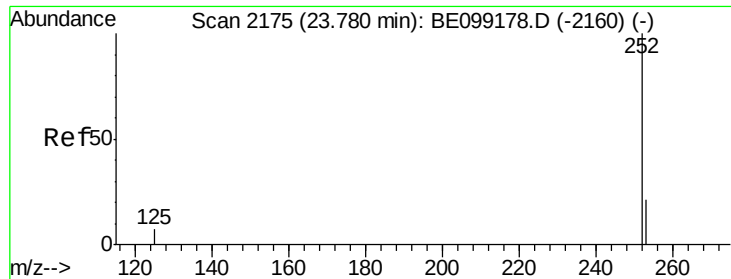
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 7.3 5.9 8.9





#37

Benzo(a)pyrene

Concen: 0.339 ng

RT: 23.78 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

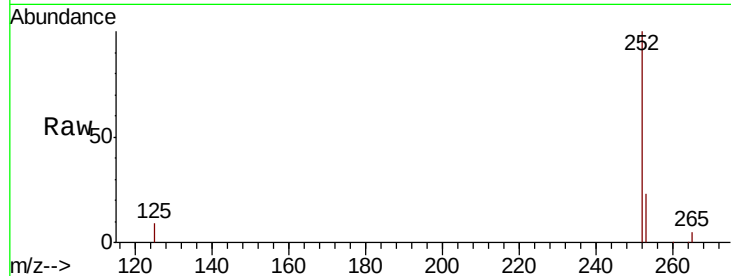
Tgt Ion:252 Resp: 42648

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

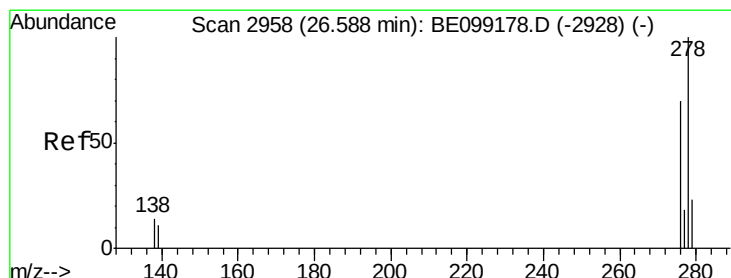
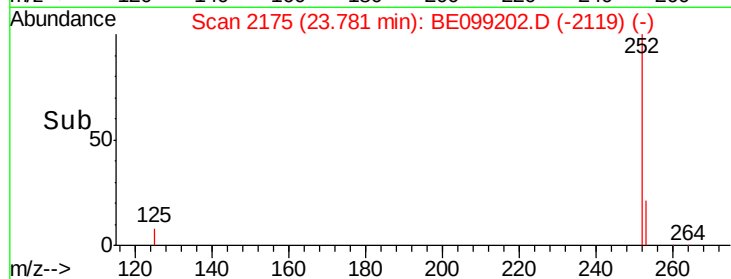
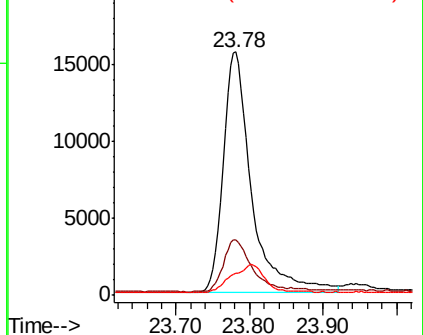
125 9.2 6.8 10.2



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: 0.296 ng

RT: 26.57 min Scan# 2954

Delta R.T. -0.02 min

Lab File: BE099202.D

Acq: 26 Mar 2019 4:59

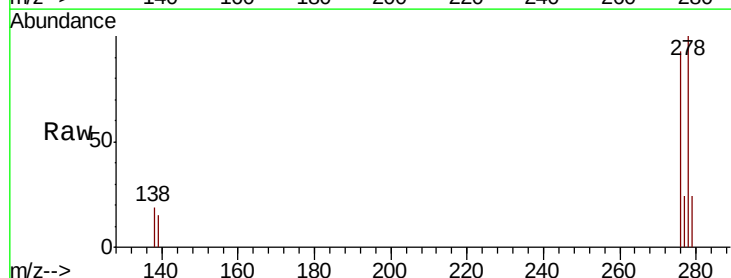
Tgt Ion:278 Resp: 33078

Ion Ratio Lower Upper

278 100

139 14.8 9.5 14.3#

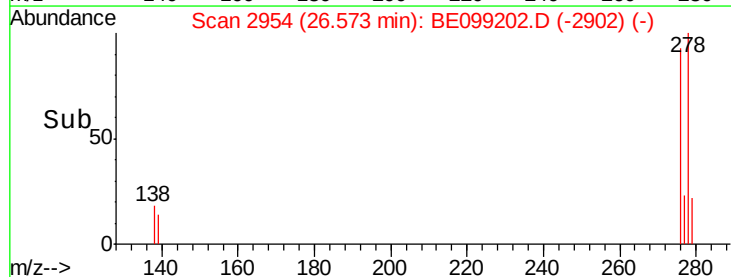
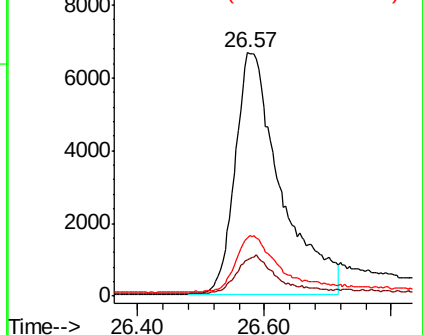
279 23.9 19.1 28.7

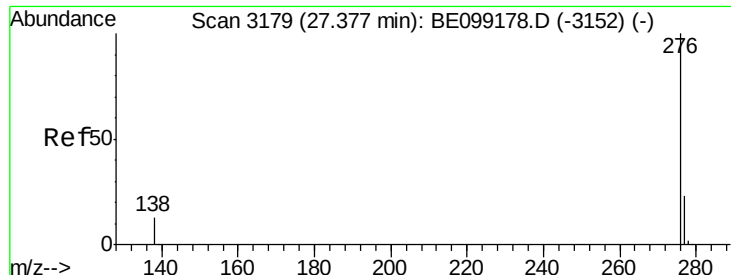


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.307 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BE099202.D

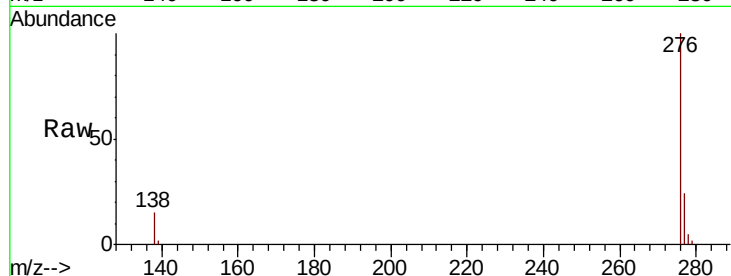
Acq: 26 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion: 276 Resp: 34386

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 15.4 11.1 16.7

