

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE041519\
 Data File : BE099326.D
 Acq On : 15 Apr 2019 15:10
 Operator : JU/SJ
 Sample : K2366-01MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 15 15:55:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE040219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 02 17:16:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3090	0.40	ng	-0.02
7) Naphthalene-d8	10.61	136	11113	0.40	ng	-0.01
13) Acenaphthene-d10	14.46	164	6873	0.40	ng	-0.03
19) Phenanthrene-d10	17.19	188	19674	0.40	ng	-0.03
27) Chrysene-d12	21.37	240	30868	0.40	ng	-0.03
34) Perylene-d12	23.87	264	32985	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	1452	0.18	ng	-0.01
5) Phenol-d6	6.98	99	1182	0.10	ng	-0.01
8) Nitrobenzene-d5	8.96	82	3642	0.48	ng	-0.03
11) 2-Methylnaphthalene-d10	12.21	152	9980	0.51	ng	-0.01
14) 2,4,6-Tribromophenol	15.94	330	1197	0.38	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	13536	0.50	ng	-0.01
25) Fluoranthene-d10	19.22	212	116479	0.45	ng	-0.02
29) Terphenyl-d14	19.82	244	25186	0.45	ng	-0.02

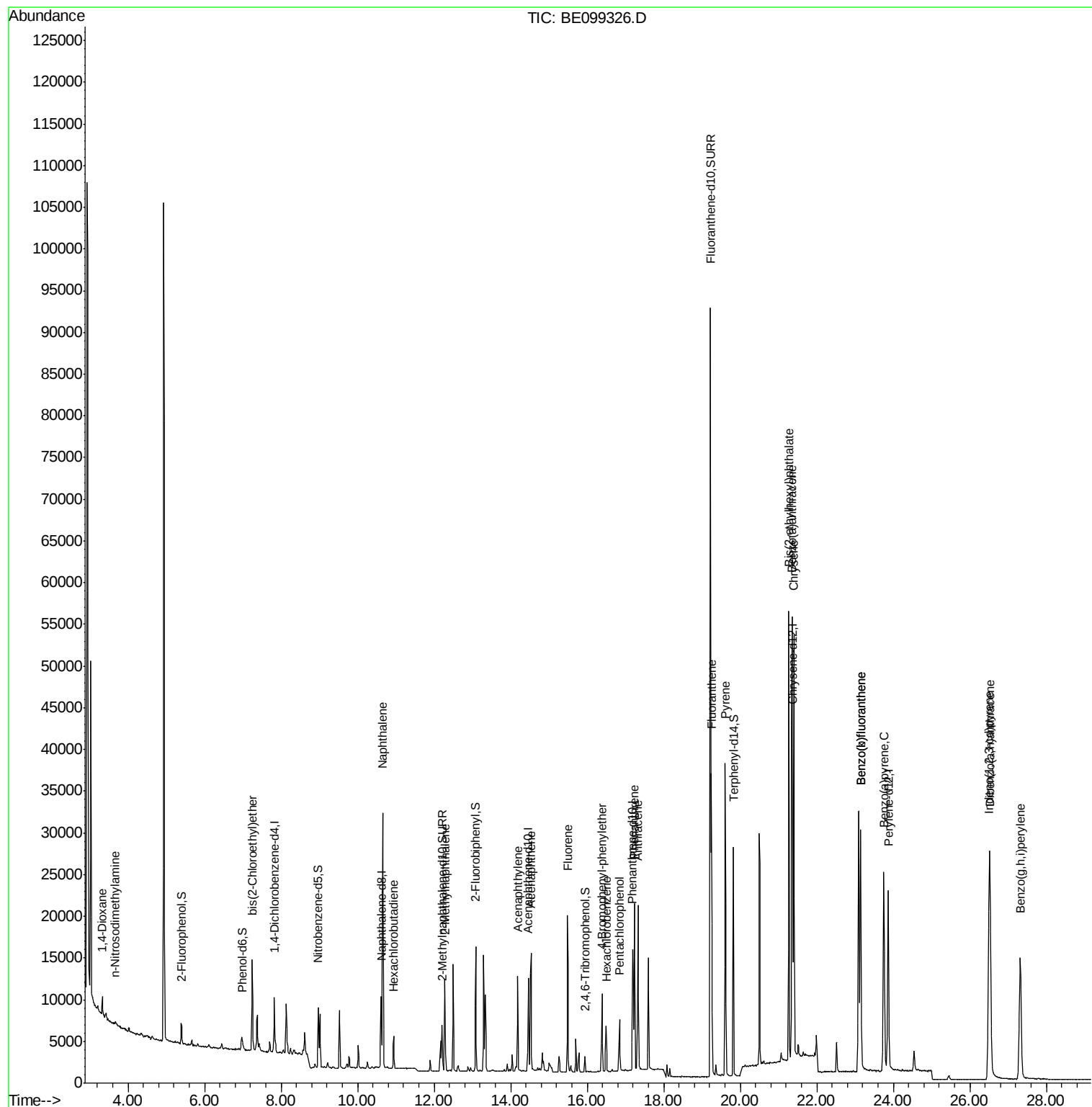
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	1376	0.327	ng	# 60
3) n-Nitrosodimethylamine	3.66	42	276	0.111	ng	# 38
6) bis(2-Chloroethyl)ether	7.24	93	4239	0.419	ng	99
9) Naphthalene	10.65	128	50968	0.422	ng	99
10) Hexachlorobutadiene	10.94	225	2765	0.352	ng	97
12) 2-Methylnaphthalene	12.28	142	8378	0.407	ng	98
16) Acenaphthylene	14.18	152	12880	0.396	ng	99
17) Acenaphthene	14.53	154	8144	0.424	ng	98
18) Fluorene	15.49	166	11488	0.414	ng	98
20) 4-Bromophenyl-phenylether	16.38	248	4434	0.397	ng	# 85
21) Hexachlorobenzene	16.49	284	4163	0.392	ng	98
22) Pentachlorophenol	16.84	266	3185	0.721	ng	91
23) Phenanthrene	17.23	178	22537	0.443	ng	99
24) Anthracene	17.32	178	19856	0.414	ng	100
26) Fluoranthene	19.25	202	32856	0.437	ng	99
28) Pyrene	19.61	202	36141	0.443	ng	99
30) Benzo(a)anthracene	21.35	228	42209	0.434	ng	98
31) Chrysene	21.40	228	41454	0.435	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	55587	0.449	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	44493	0.408	ng	97
35) Benzo(b)fluoranthene	23.14	252	43631	0.443	ng	98
36) Benzo(k)fluoranthene	23.14	252	43631	0.456	ng	99
37) Benzo(a)pyrene	23.75	252	40397	0.437	ng	# 98
38) Dibenzo(a,h)anthracene	26.53	278	37470	0.407	ng	97
39) Benzo(g,h,i)perylene	27.32	276	38098	0.415	ng	100

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

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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: Apr 15 15:55:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE040219.M
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QLast Update : Tue Apr 02 17:16:42 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.02 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampleId :

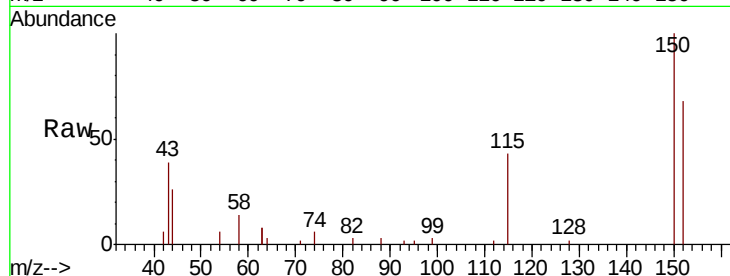
Tot Ion:152 Resp: 3090

Ion Ratio Lower Upper

152 100

150 148.0 112.8 169.2

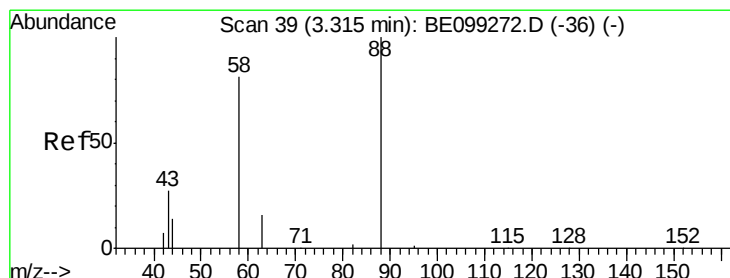
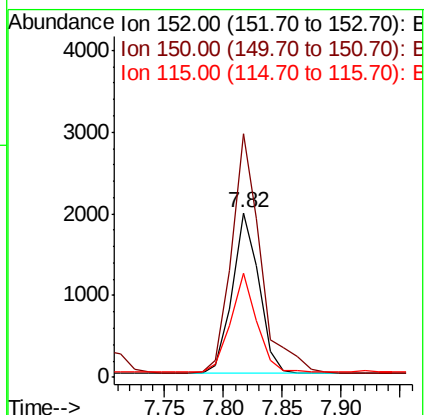
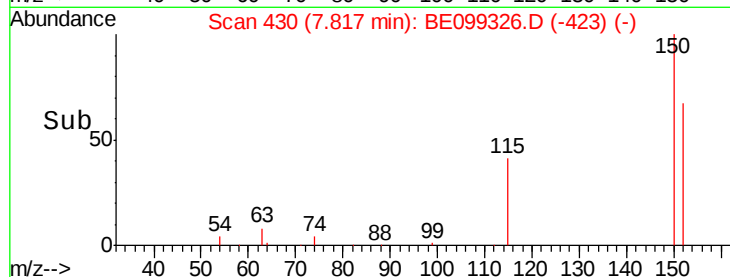
115 63.1 45.1 67.7



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: 0.327 ng

RT: 3.32 min Scan# 40

Delta R.T. -0.01 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

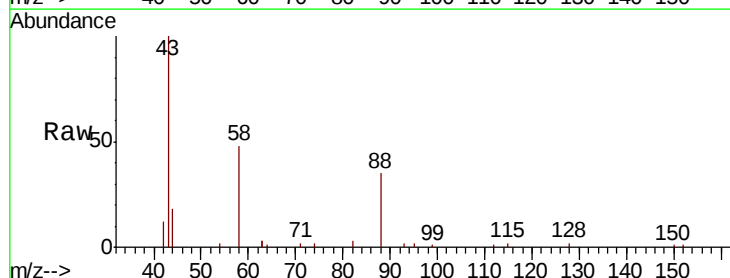
Tgt Ion: 88 Resp: 1376

Ion Ratio Lower Upper

88 100

58 76.8 47.4 71.0#

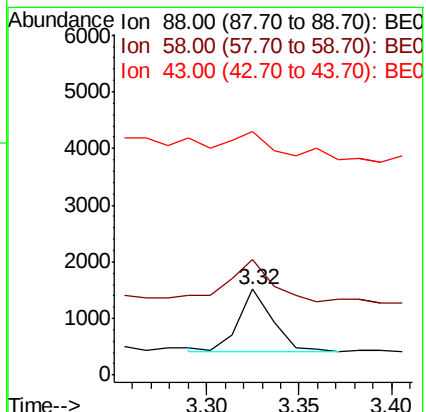
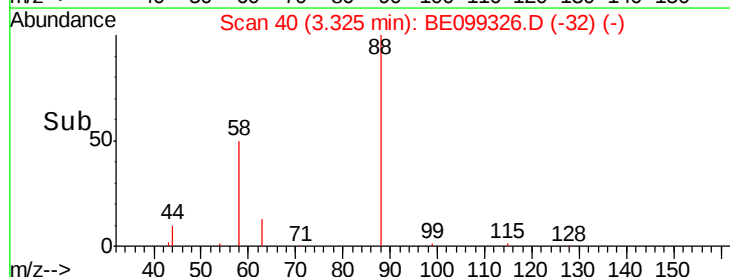
43 60.9 15.6 23.4#

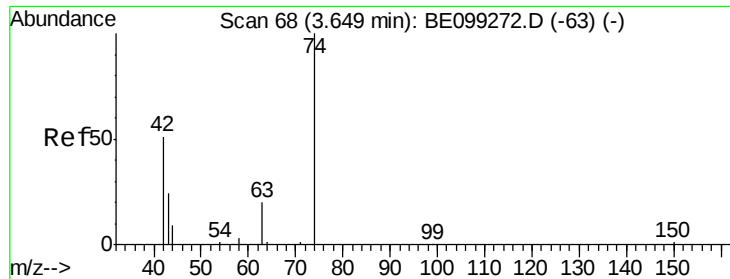


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



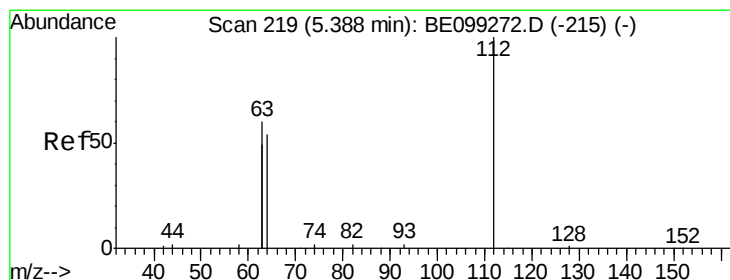
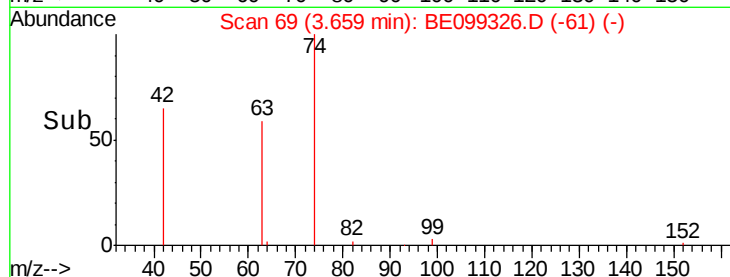
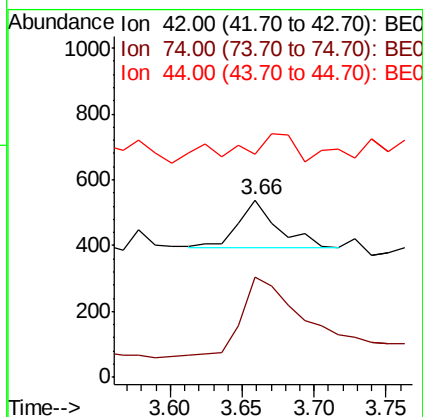
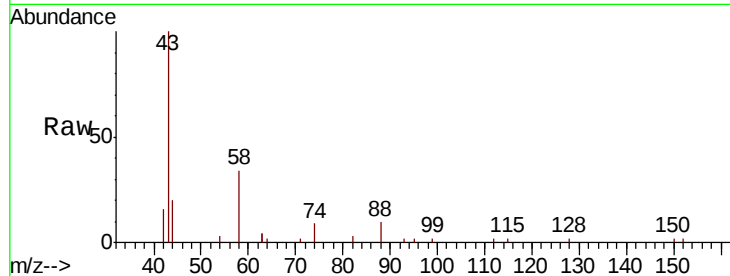


#3

n-Nitrosodimethylamine
 Concen: 0.111 ng
 RT: 3.66 min Scan# 69
 Delta R.T. -0.01 min
 Lab File: BE099326.D
 Acq: 15 Apr 2019 15:10

Instrument :
 BNA_E
 ClientSampled :

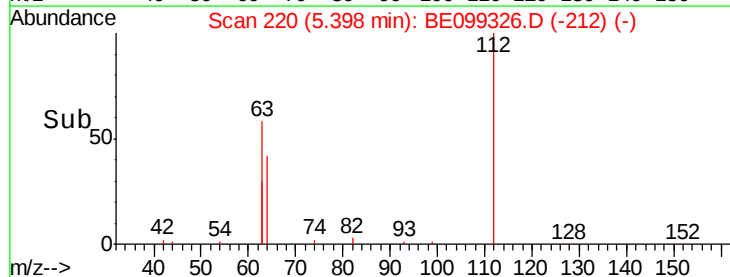
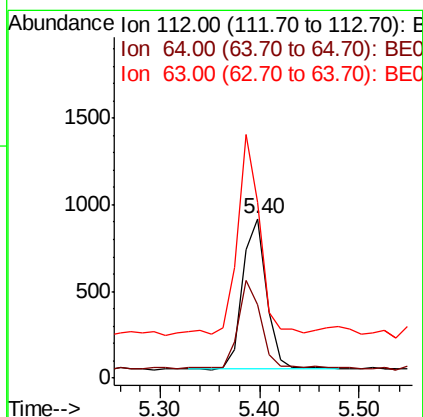
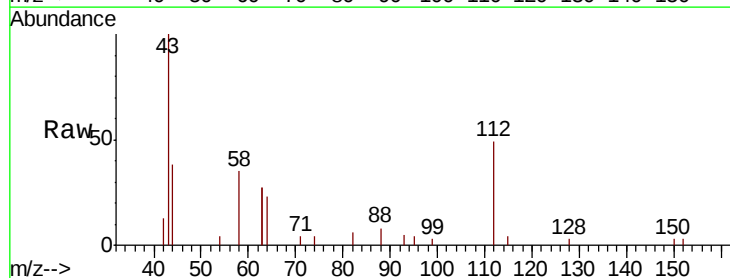
Tot Ion: 42 Resp: 276
 Ion Ratio Lower Upper
 42 100
 74 256.5 138.6 207.8#
 44 52.5 15.0 22.6#

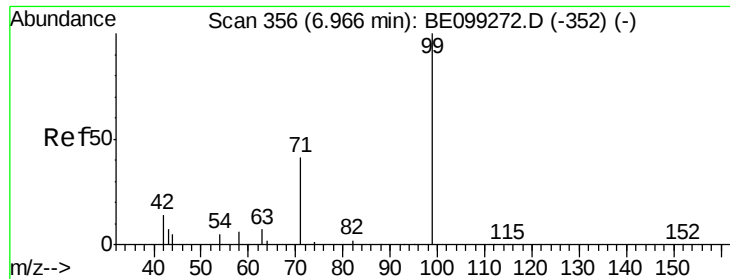


#4

2-Fluorophenol
 Concen: 0.177 ng
 RT: 5.40 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: BE099326.D
 Acq: 15 Apr 2019 15:10

Tgt Ion: 112 Resp: 1452
 Ion Ratio Lower Upper
 112 100
 64 56.2 46.2 69.2
 63 119.8 89.9 134.9





#5

Phenol-d6

Concen: 0.105 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampled :

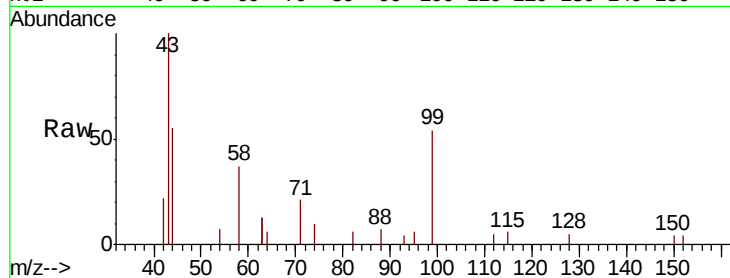
Tot Ion: 99 Resp: 1182

Ion Ratio Lower Upper

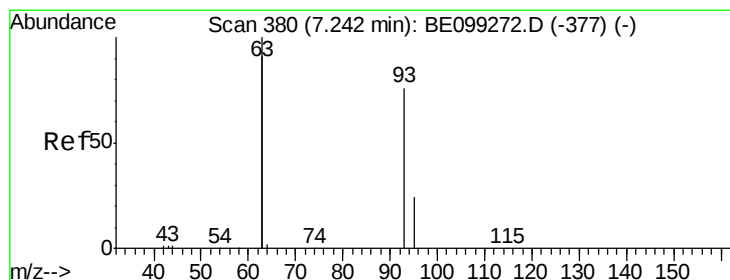
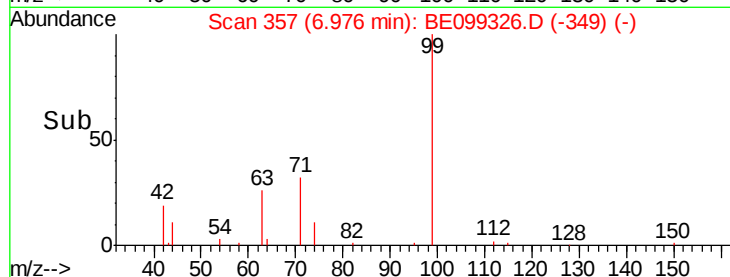
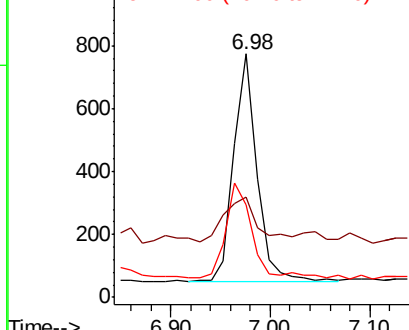
99 100

42 27.2 12.4 18.6#

71 44.2 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: 0.419 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.02 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

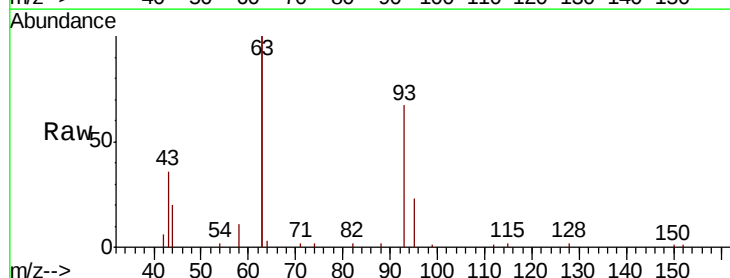
Tgt Ion: 93 Resp: 4239

Ion Ratio Lower Upper

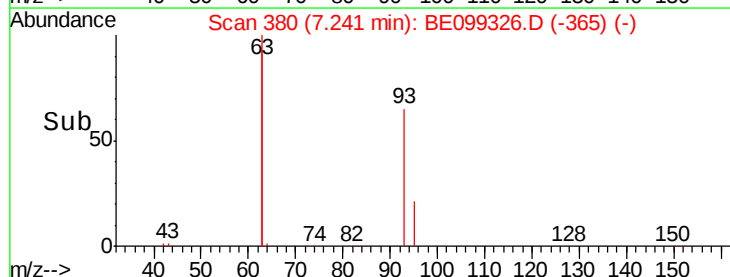
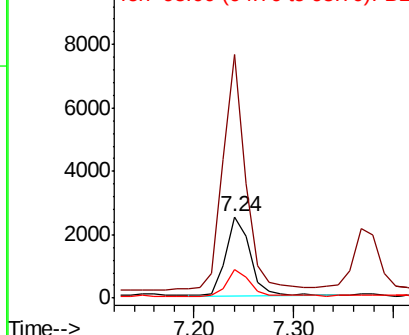
93 100

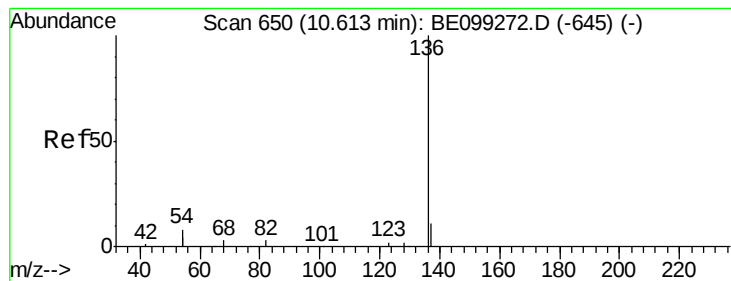
63 278.9 221.4 332.0

95 32.9 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: 10.61 min Scan# 650

Delta R.T. -0.01 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 11113

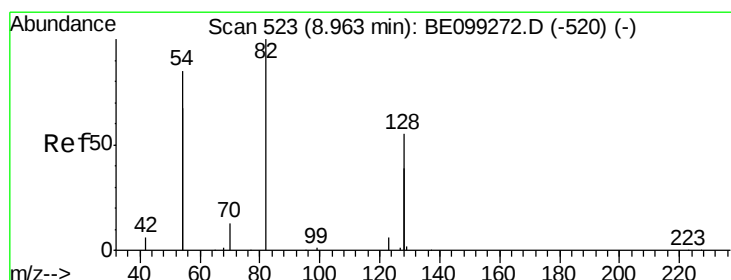
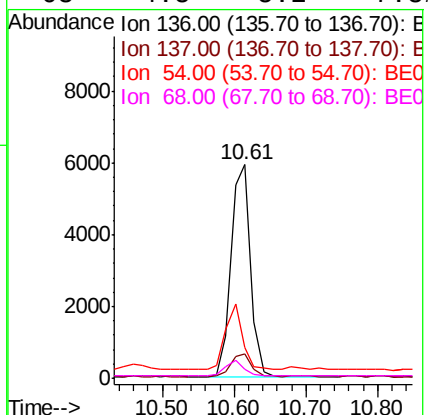
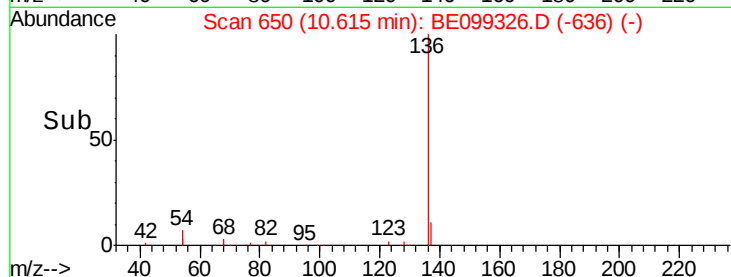
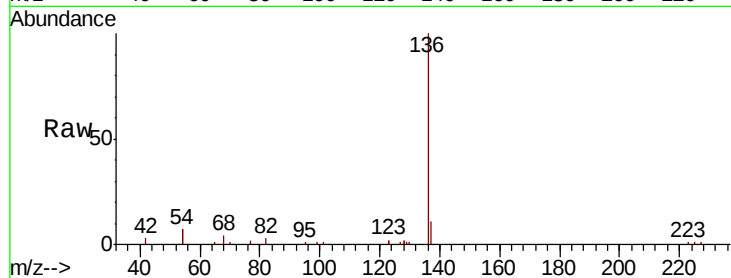
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 14.1 18.7 28.1#

68 4.5 5.2 7.8#



#8

Nitrobenzene-d5

Concen: 0.477 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.03 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

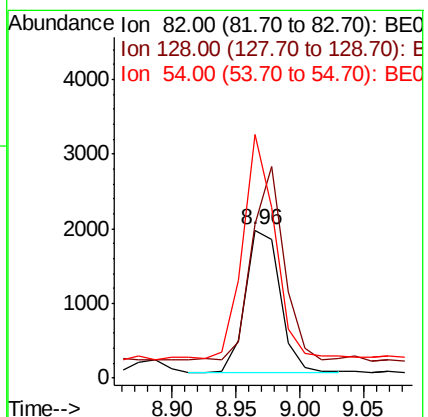
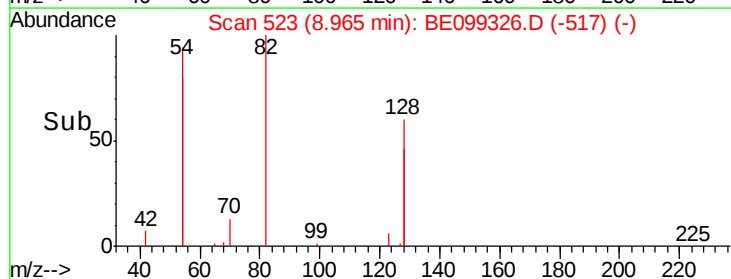
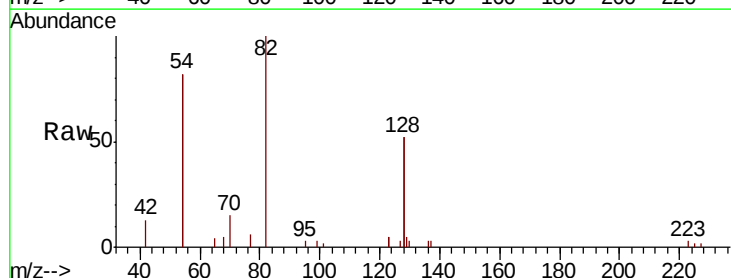
Tgt Ion: 82 Resp: 3642

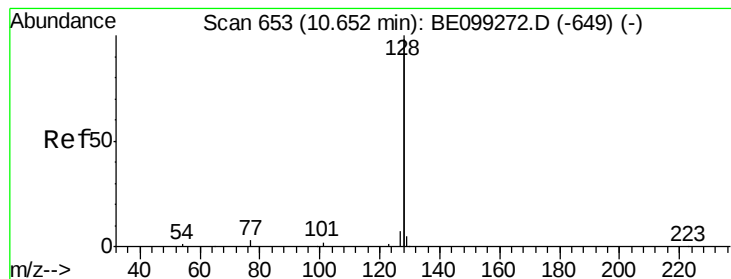
Ion Ratio Lower Upper

82 100

128 104.4 107.5 161.3#

54 164.5 106.3 159.5#





#9

Naphthalene

Concen: 0.422 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.03 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampleId :

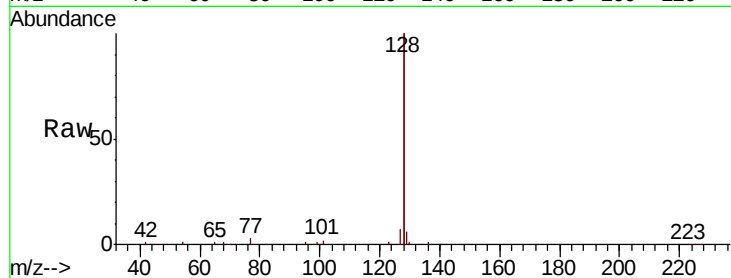
Tot Ion:128 Resp: 50968

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

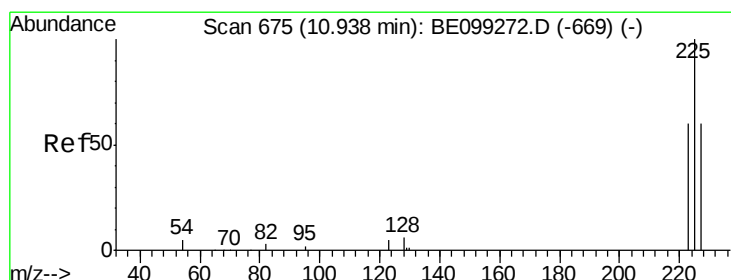
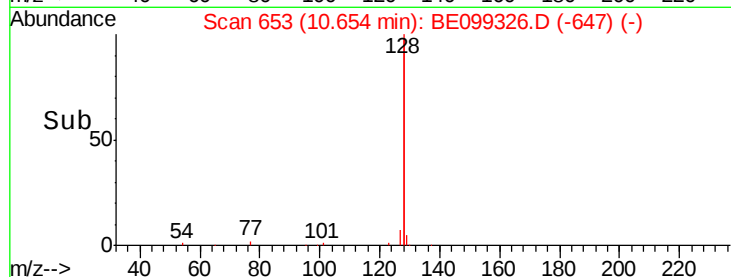
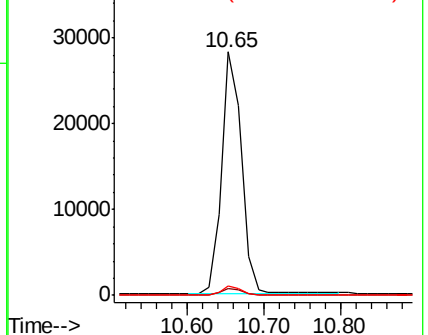
127 3.6 2.6 3.8



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: 10.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

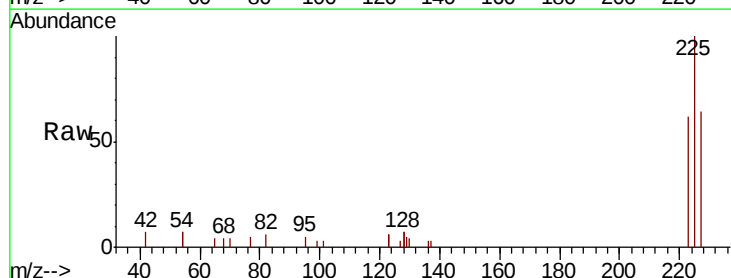
Tgt Ion:225 Resp: 2765

Ion Ratio Lower Upper

225 100

223 62.0 51.3 76.9

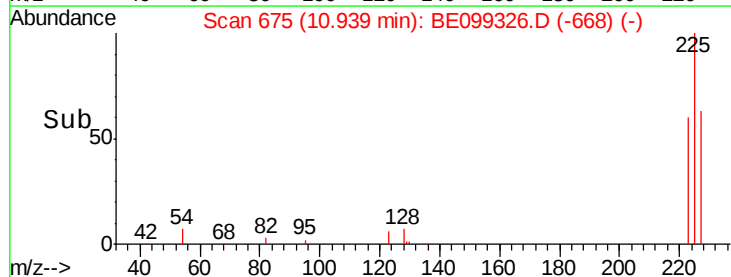
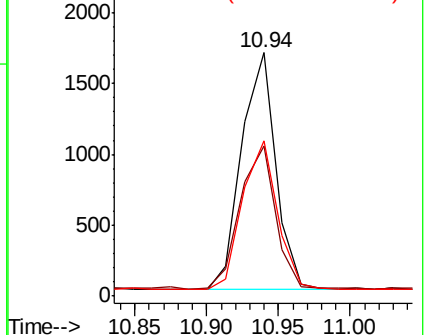
227 64.1 48.6 73.0

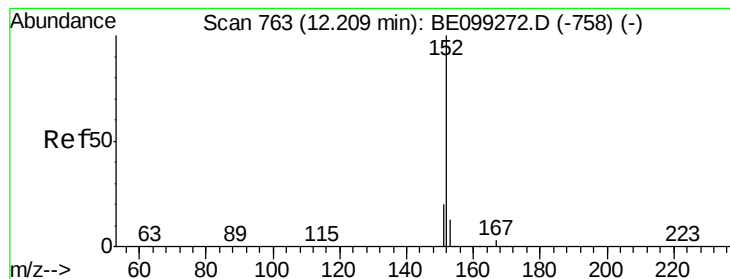


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.514 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

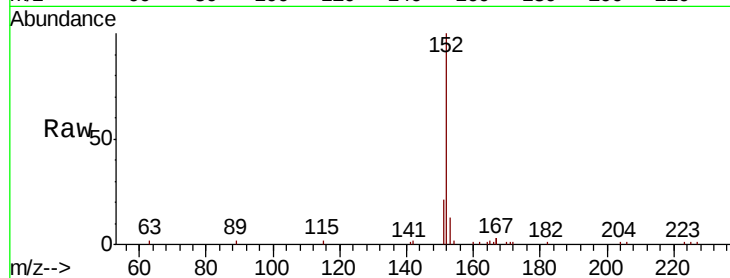
ClientSampleId :

Tot Ion:152 Resp: 9980

Ion Ratio Lower Upper

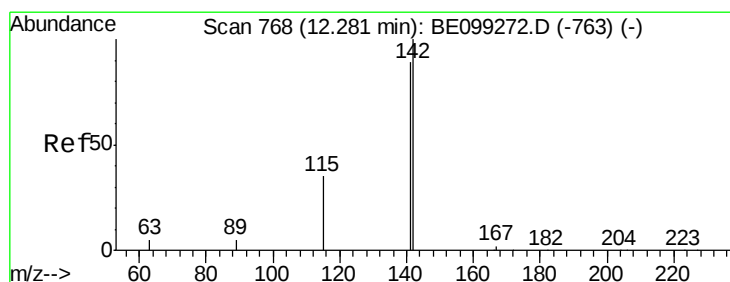
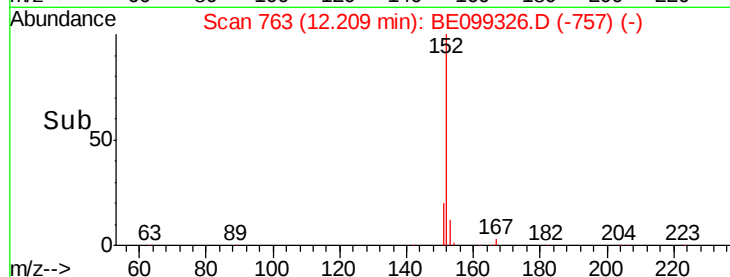
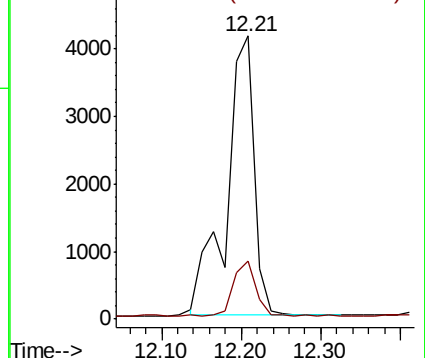
152 100

151 15.4 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.407 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

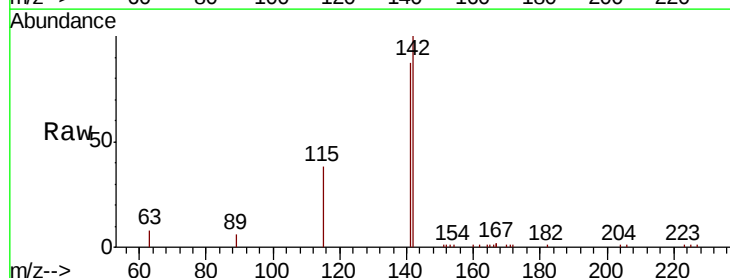
Tgt Ion:142 Resp: 8378

Ion Ratio Lower Upper

142 100

141 87.0 71.3 106.9

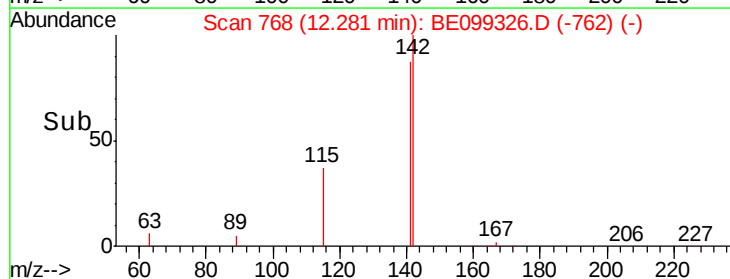
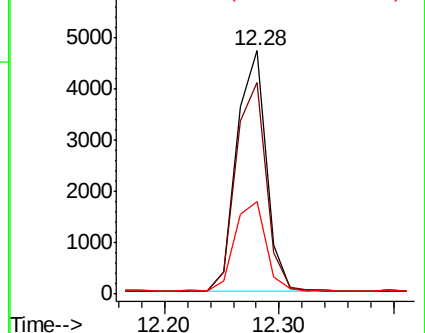
115 37.8 30.4 45.6

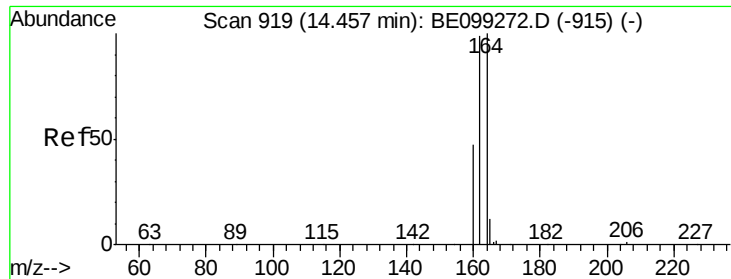


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

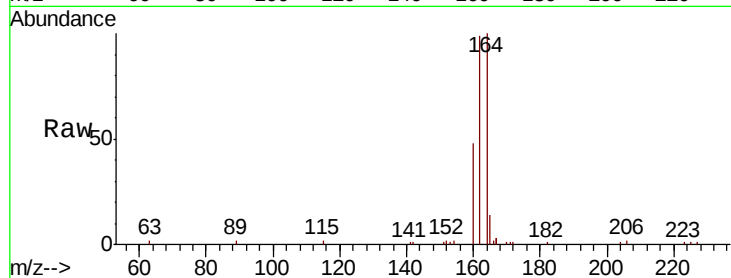




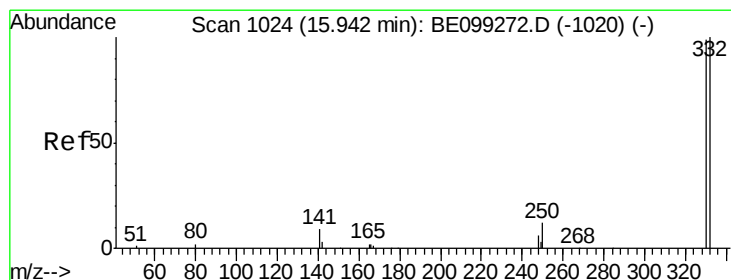
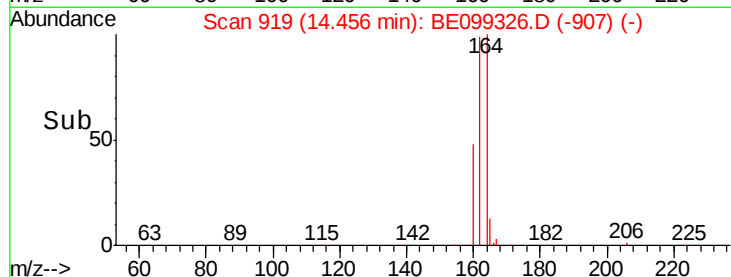
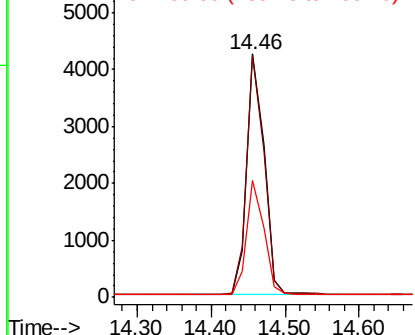
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Instrument :
BNA_E
ClientSampled :

Tot Ion:164 Resp: 6873
Ion Ratio Lower Upper
164 100
162 99.4 79.2 118.8
160 48.2 36.7 55.1

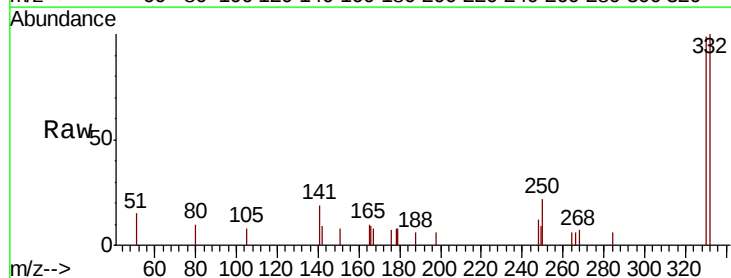


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

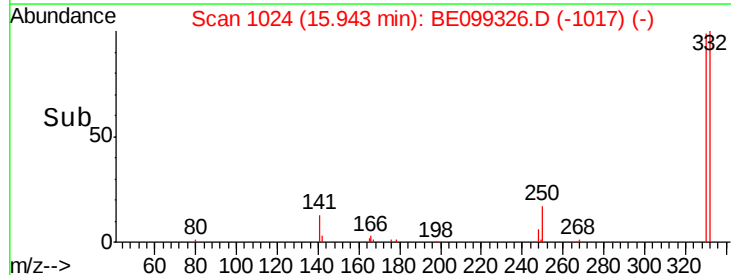
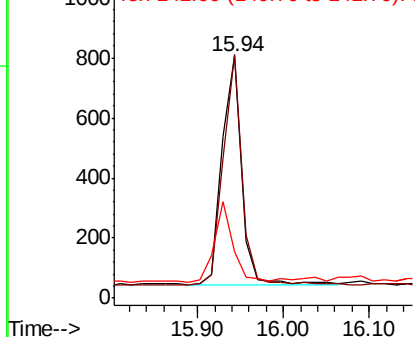


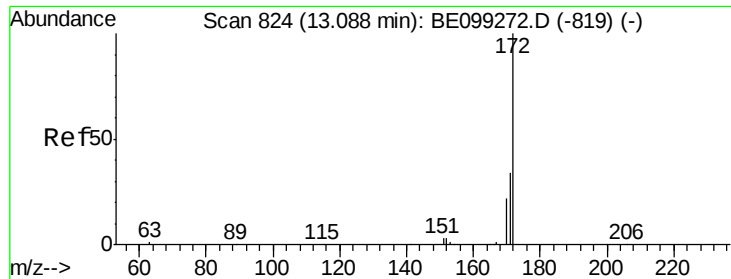
#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:330 Resp: 1197
Ion Ratio Lower Upper
330 100
332 97.2 71.3 106.9
141 33.6 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

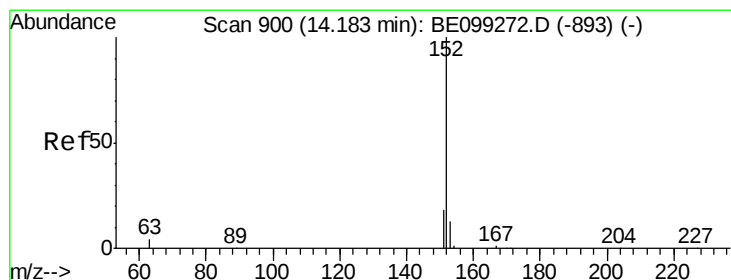
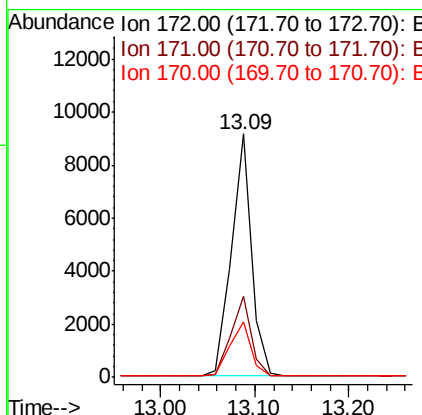
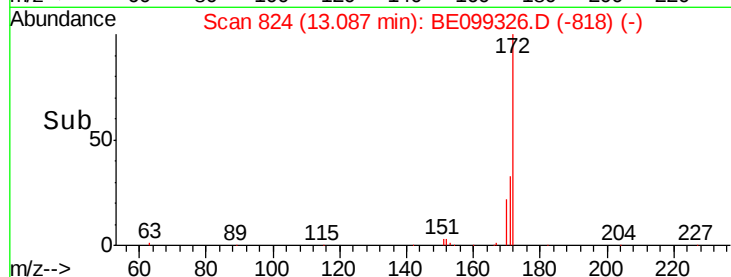
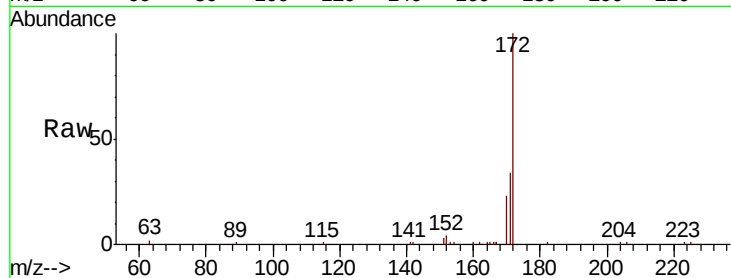




#15
2-Fluorobiphenyl
Concen: 0.501 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

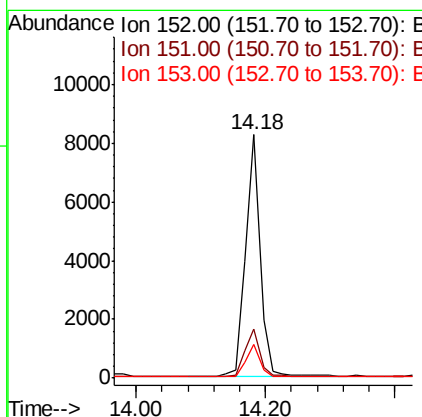
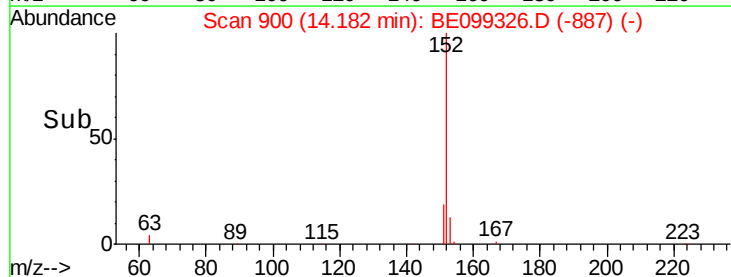
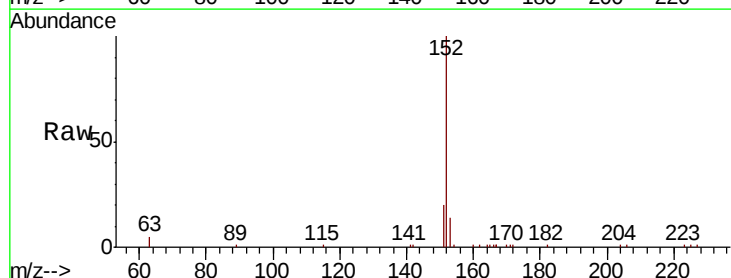
Instrument :
BNA_E
ClientSampleId :

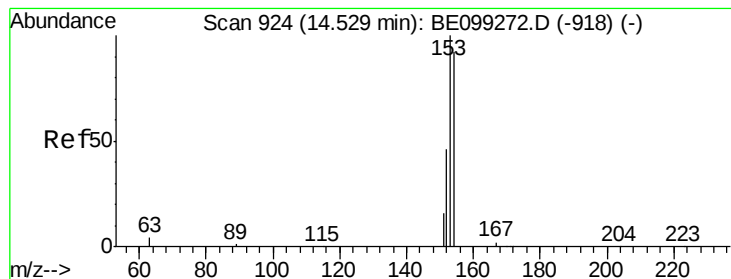
Tot Ion:172 Resp: 13536
Ion Ratio Lower Upper
172 100
171 33.5 27.4 41.0
170 22.8 19.1 28.7



#16
Acenaphthylene
Concen: 0.396 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:152 Resp: 12880
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 12.7 10.6 15.8





#17

Acenaphthene

Concen: 0.424 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.01 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampleId :

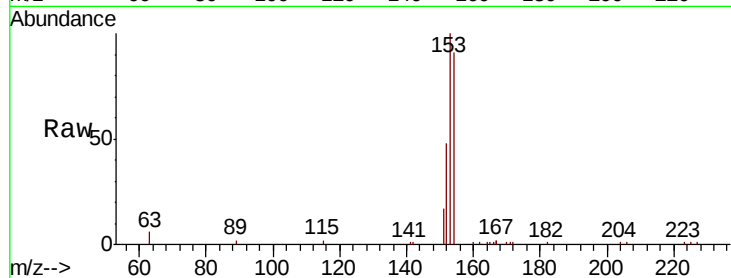
Tot Ion:154 Resp: 8144

Ion Ratio Lower Upper

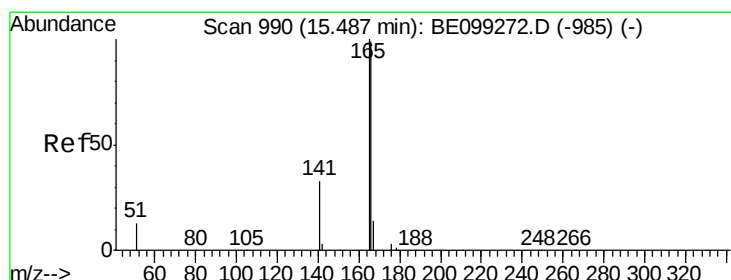
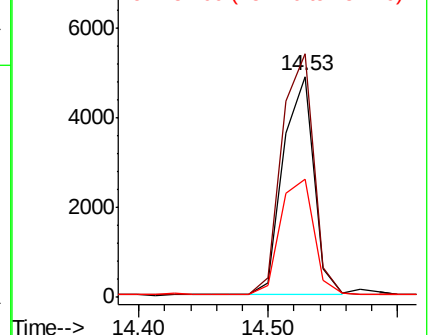
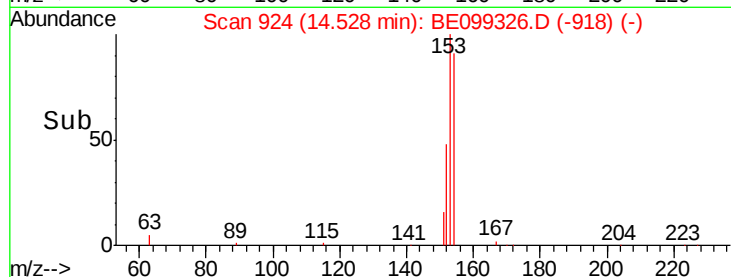
154 100

153 114.1 93.4 140.0

152 57.3 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: 0.414 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.03 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

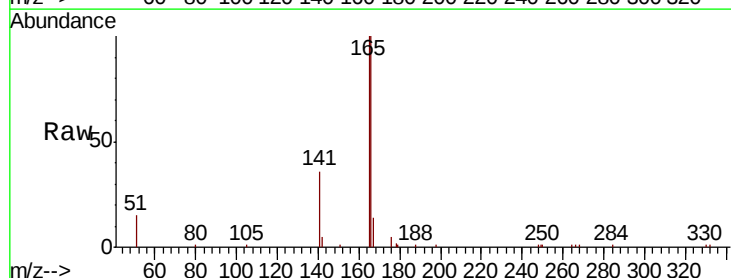
Tgt Ion:166 Resp: 11488

Ion Ratio Lower Upper

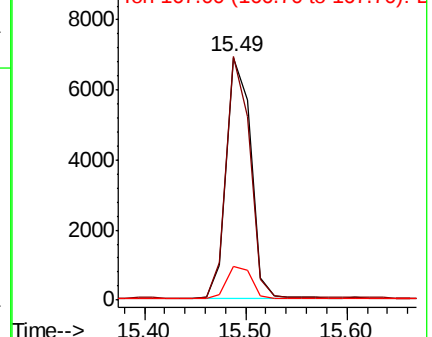
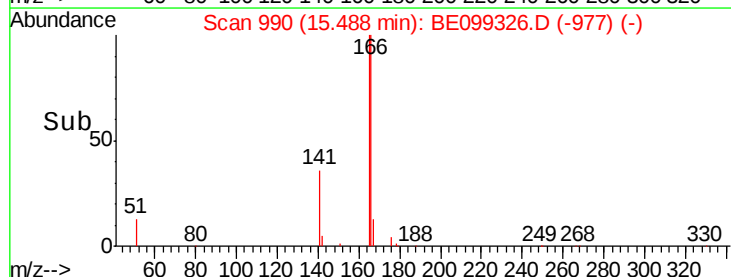
166 100

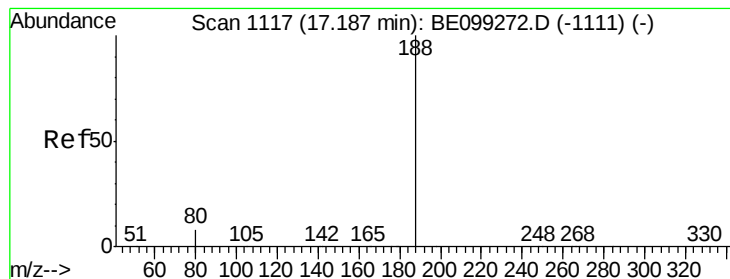
165 96.8 78.9 118.3

167 13.9 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: 17.19 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampleId :

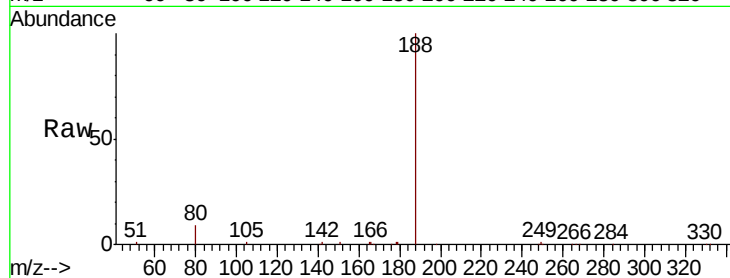
Tot Ion:188 Resp: 19674

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

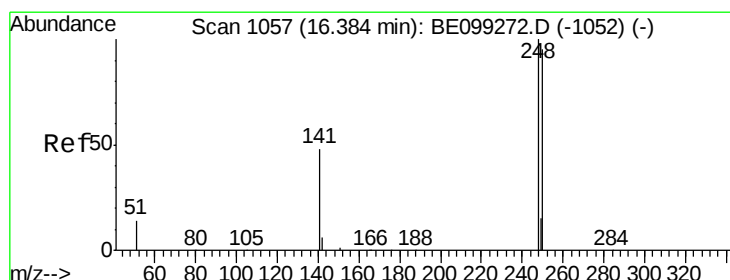
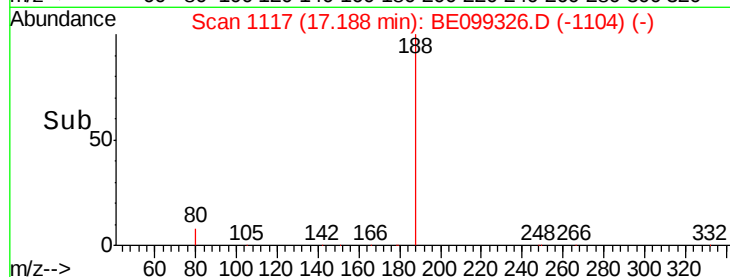
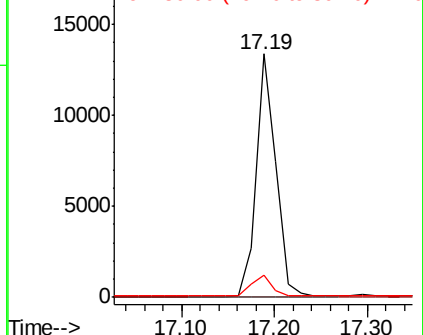
80 9.0 4.5 6.7#



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: 0.397 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

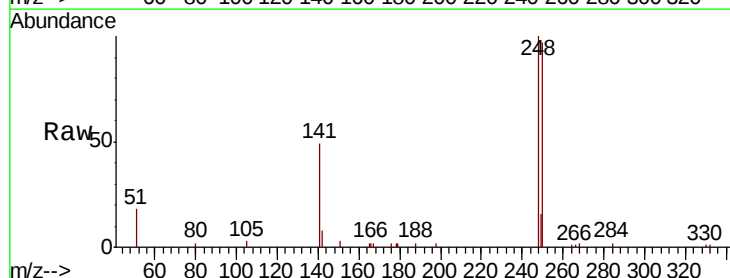
Tgt Ion:248 Resp: 4434

Ion Ratio Lower Upper

248 100

250 96.6 84.2 126.2

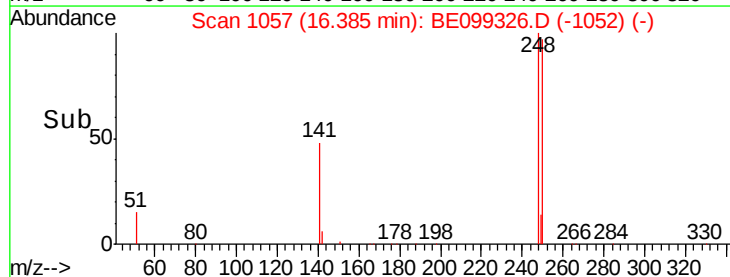
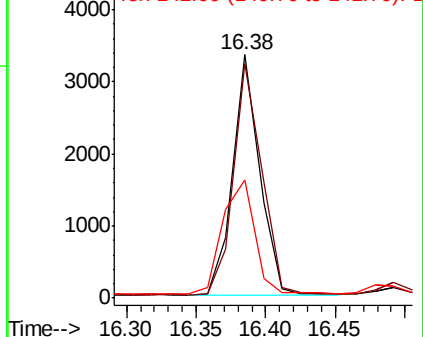
141 48.7 21.8 32.6#

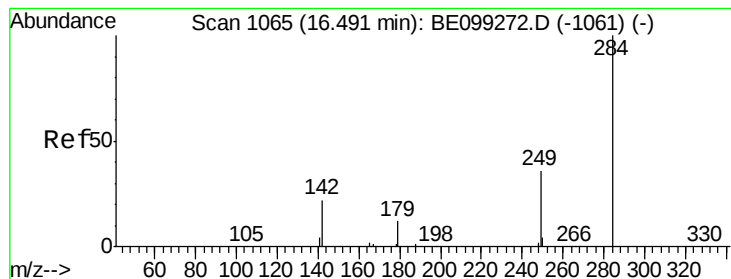


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.392 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampleId :

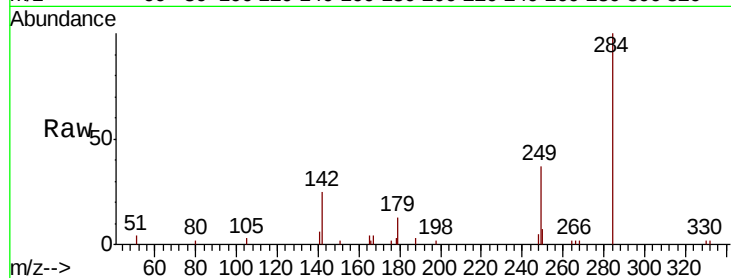
Tot Ion:284 Resp: 4163

Ion Ratio Lower Upper

284 100

142 28.3 22.7 34.1

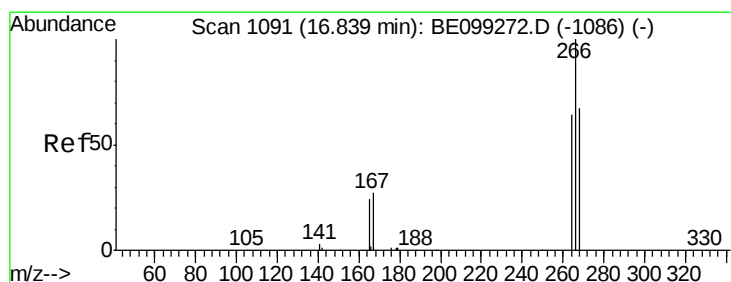
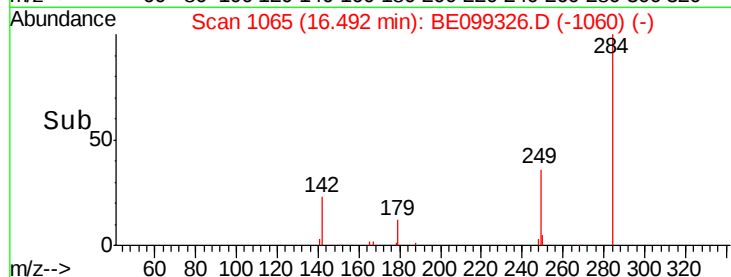
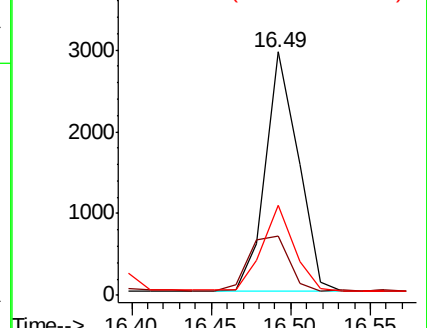
249 35.5 26.9 40.3



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: 0.721 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.03 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

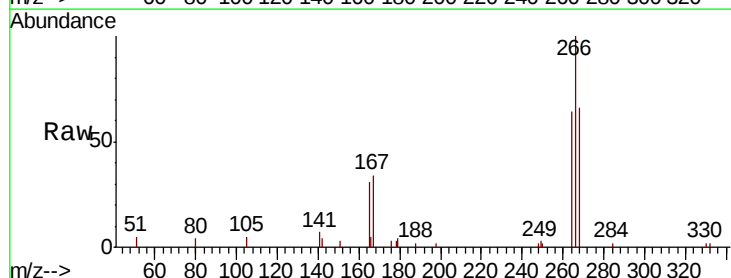
Tgt Ion:266 Resp: 3185

Ion Ratio Lower Upper

266 100

264 64.1 54.4 81.6

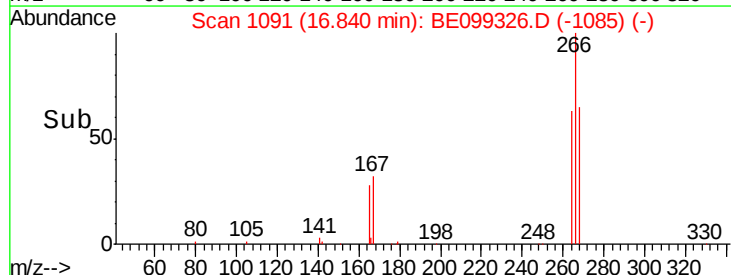
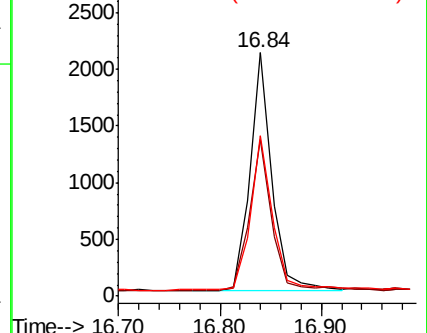
268 66.1 61.3 91.9

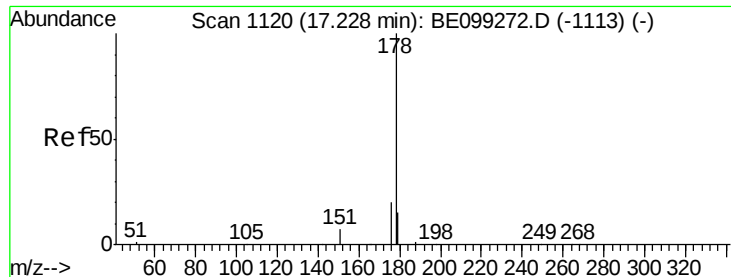


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.443 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

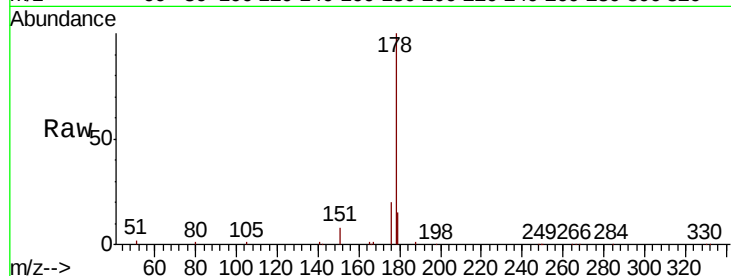
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 22537

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	14.9	12.3	18.5

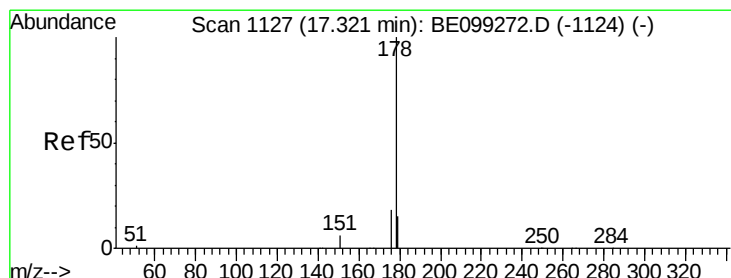
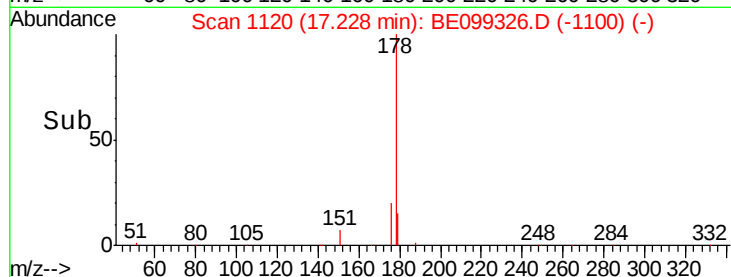
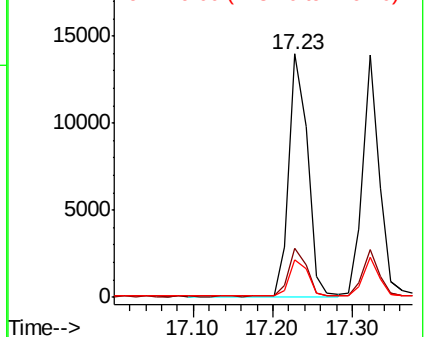


Abundance

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: 0.414 ng

RT: 17.32 min Scan# 1127

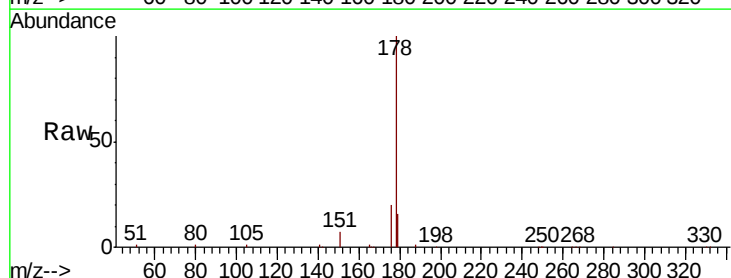
Delta R.T. -0.01 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Tgt Ion:178 Resp: 19856

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.7	12.4	18.6

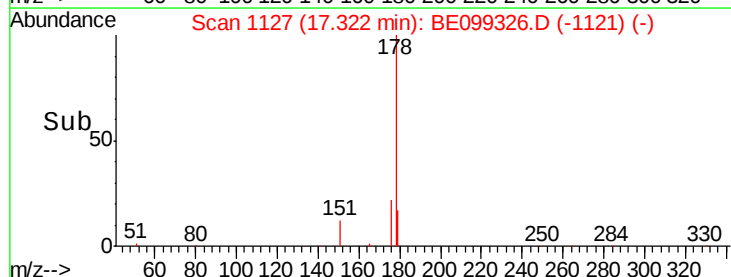
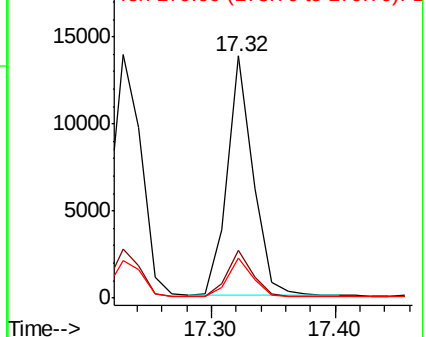


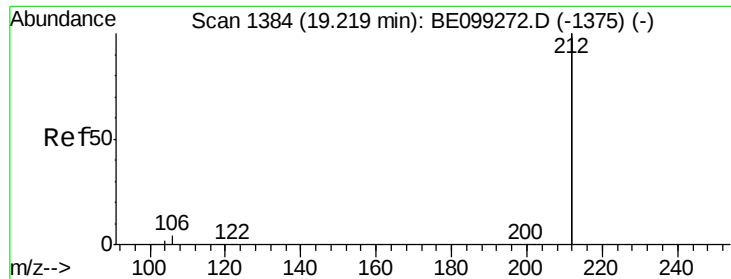
Abundance

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: 0.449 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampleId :

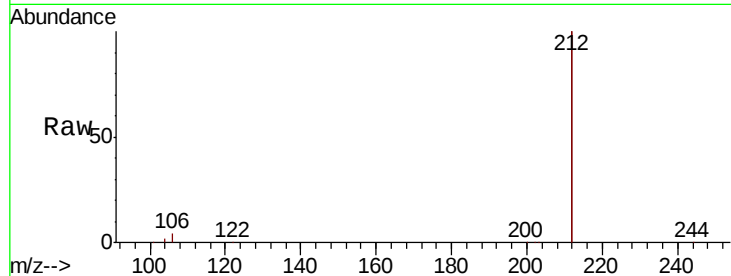
Tot Ion:212 Resp: 116479

Ion Ratio Lower Upper

212 100

106 2.2 1.8 2.8

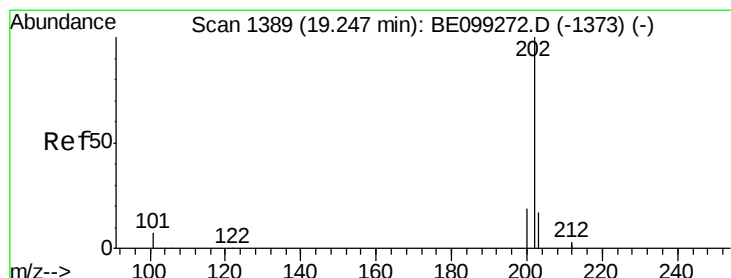
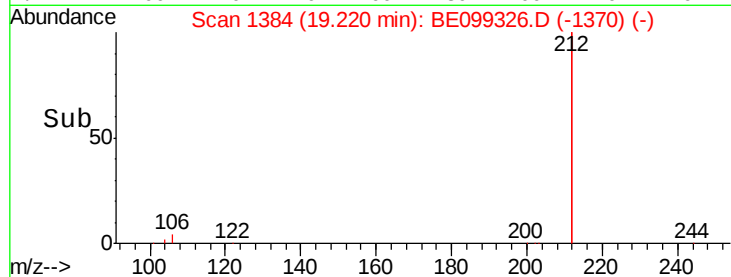
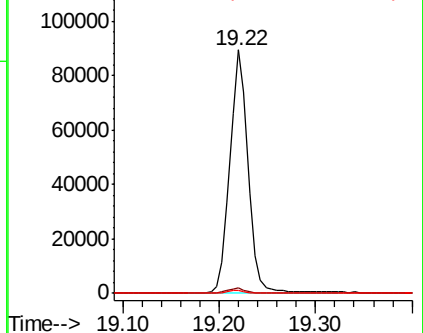
104 1.2 1.1 1.7



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



#26

Fluoranthene

Concen: 0.437 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

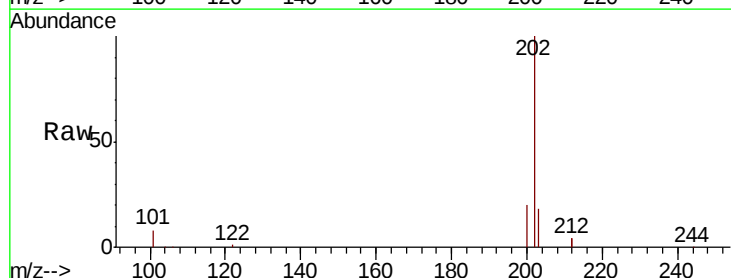
Tgt Ion:202 Resp: 32856

Ion Ratio Lower Upper

202 100

101 7.8 7.0 10.4

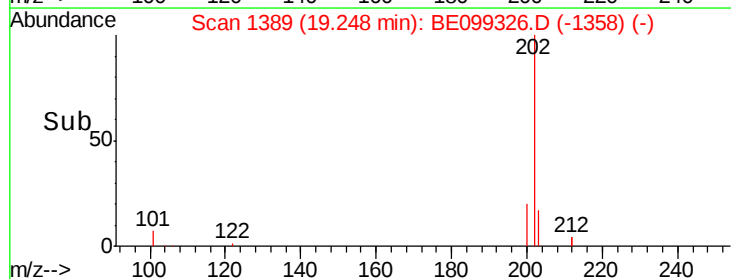
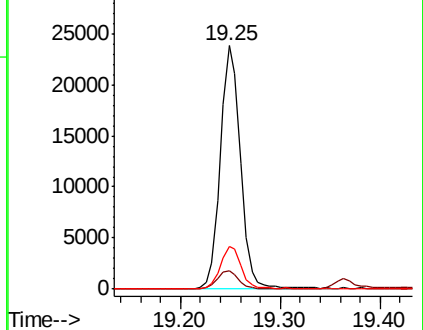
203 17.4 13.8 20.6

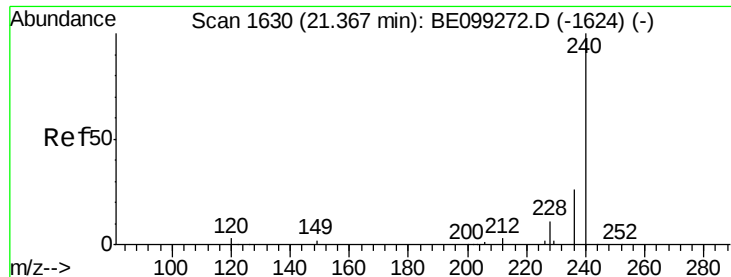


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.37 min Scan# 1629

Delta R.T. -0.03 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampled :

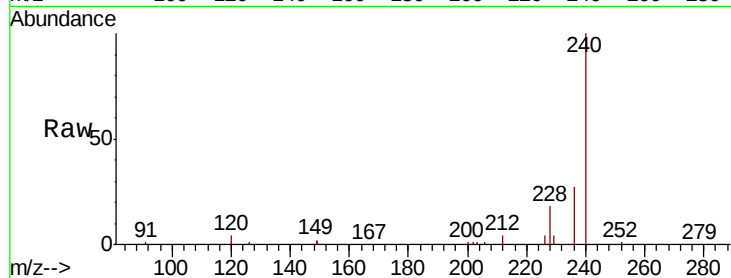
Tot Ion:240 Resp: 30868

Ion Ratio Lower Upper

240 100

120 4.4 2.6 3.8#

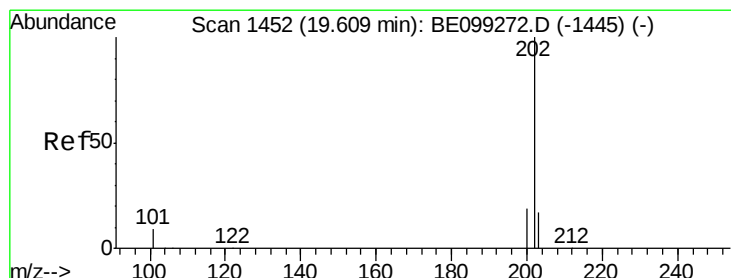
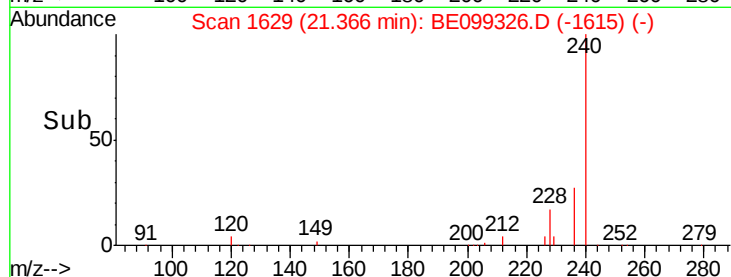
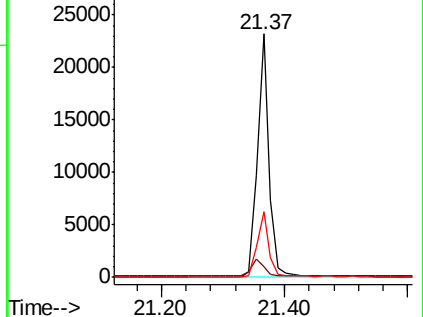
236 27.1 20.9 31.3



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: 0.443 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

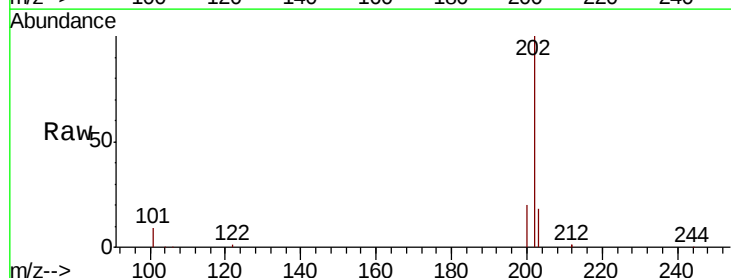
Tgt Ion:202 Resp: 36141

Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.8

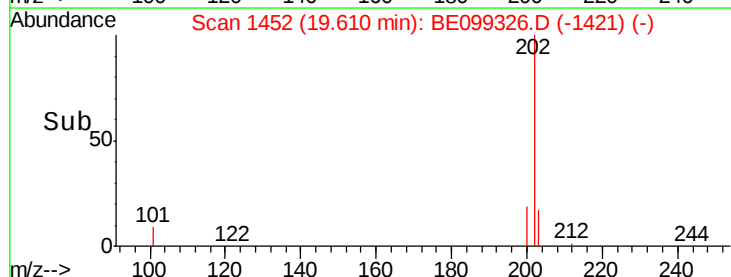
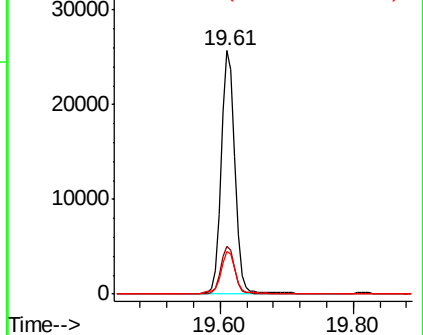
203 18.1 14.1 21.1

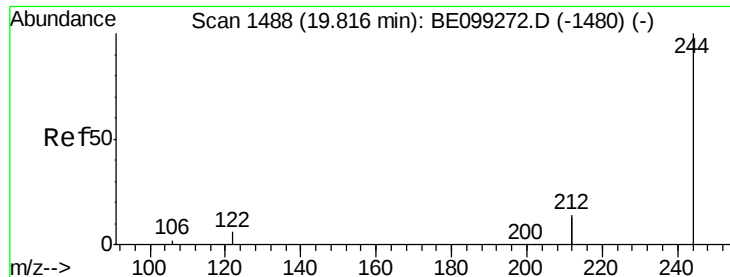


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.447 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.02 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampled :

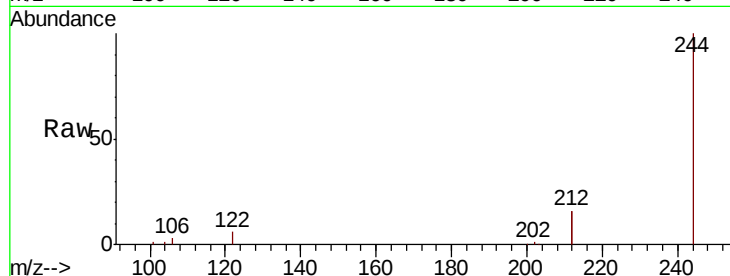
Tot Ion:244 Resp: 25186

Ion Ratio Lower Upper

244 100

212 31.2 22.7 34.1

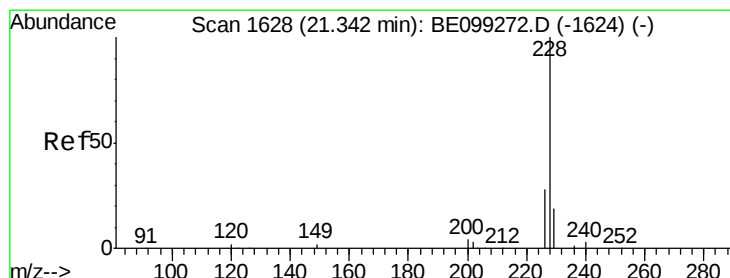
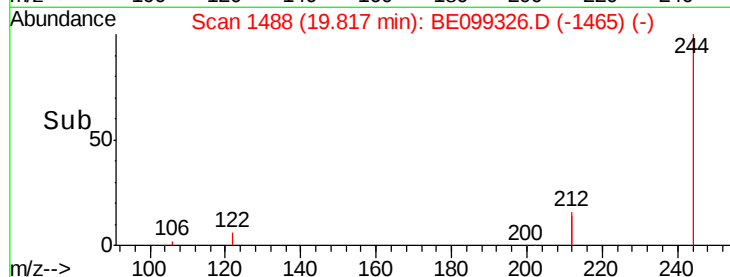
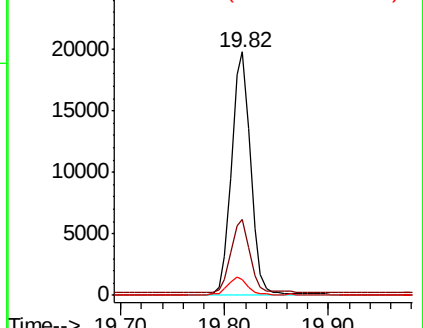
122 6.4 5.8 8.6



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: 0.434 ng

RT: 21.35 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

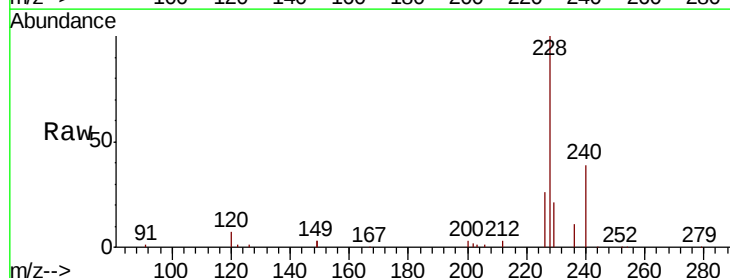
Tgt Ion:228 Resp: 42209

Ion Ratio Lower Upper

228 100

226 26.3 21.7 32.5

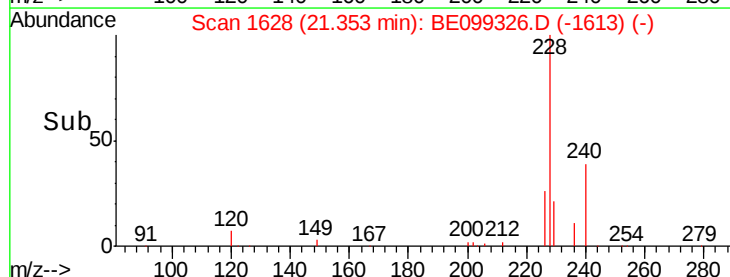
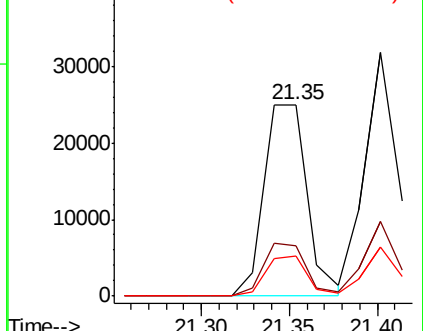
229 21.2 15.9 23.9

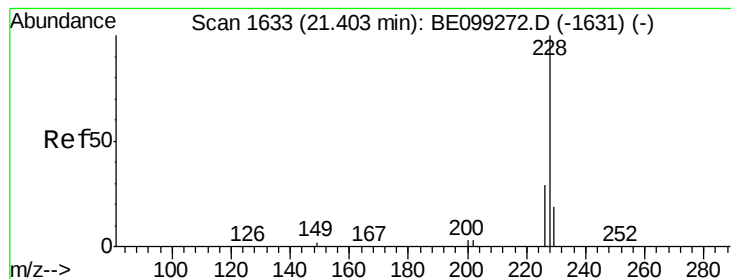


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.435 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampleId :

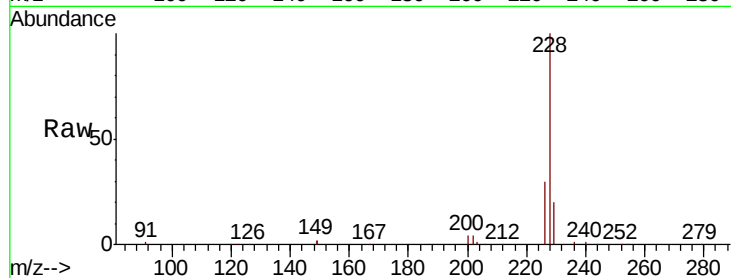
Tot Ion:228 Resp: 41454

Ion Ratio Lower Upper

228 100

226 30.4 24.8 37.2

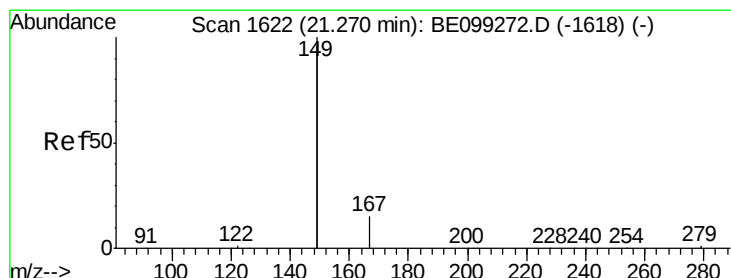
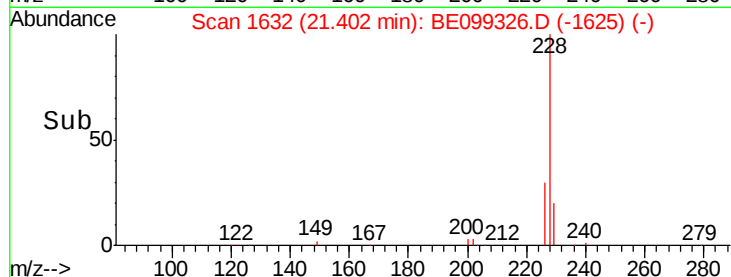
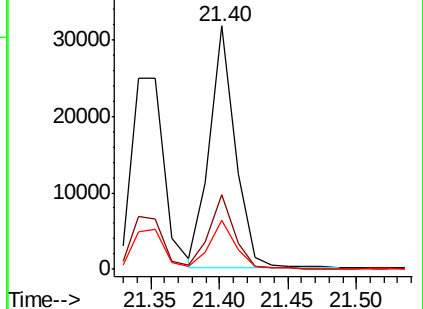
229 20.0 15.4 23.0



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: 0.449 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.03 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

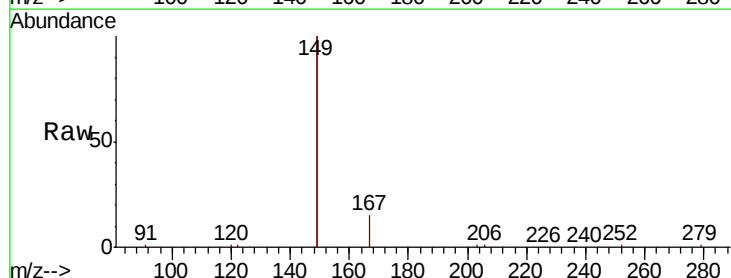
Tgt Ion:149 Resp: 55587

Ion Ratio Lower Upper

149 100

167 7.3 5.9 8.9

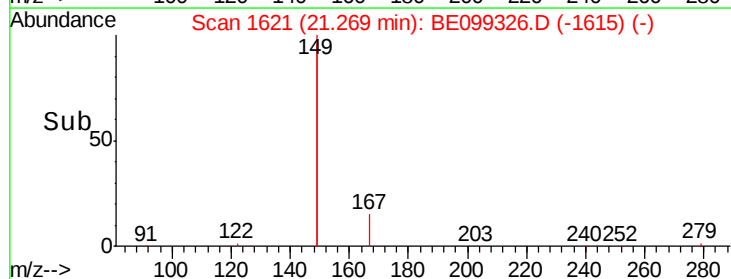
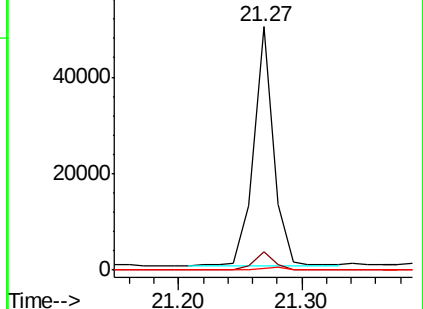
279 1.2 1.0 1.6

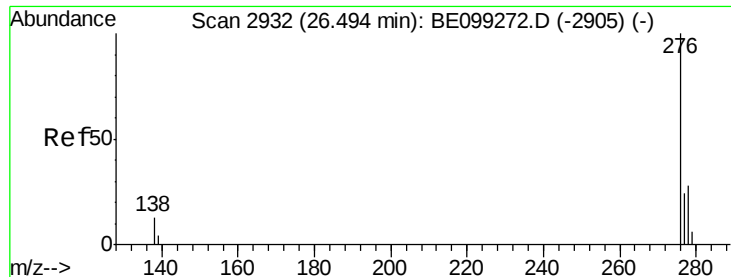


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.408 ng

RT: 26.50 min Scan# 2933

Delta R.T. -0.05 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampleId :

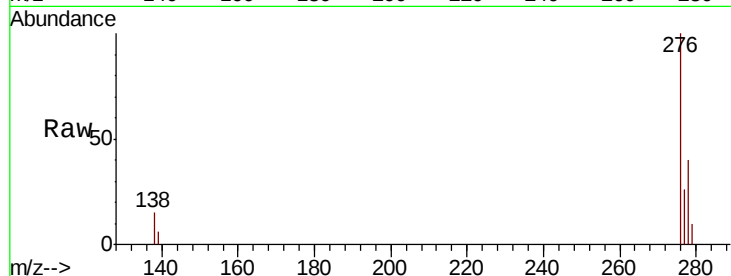
Tot Ion:276 Resp: 44493

Ion Ratio Lower Upper

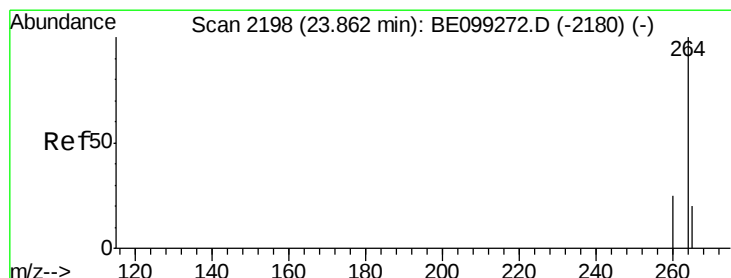
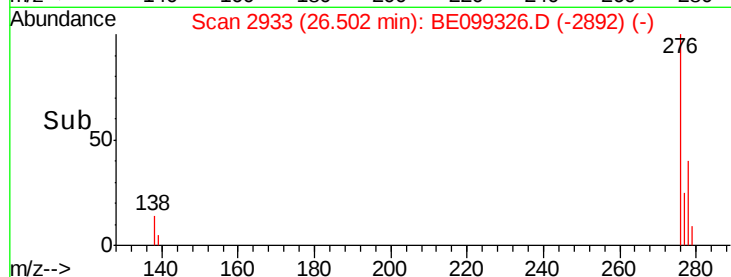
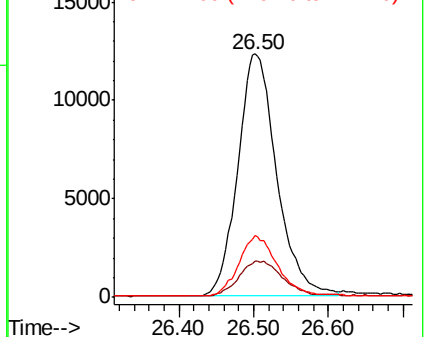
276 100

138 16.2 12.9 19.3

277 24.9 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: 23.87 min Scan# 2198

Delta R.T. -0.03 min

Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

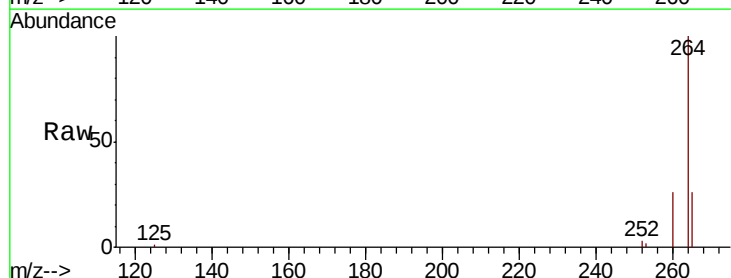
Tgt Ion:264 Resp: 32985

Ion Ratio Lower Upper

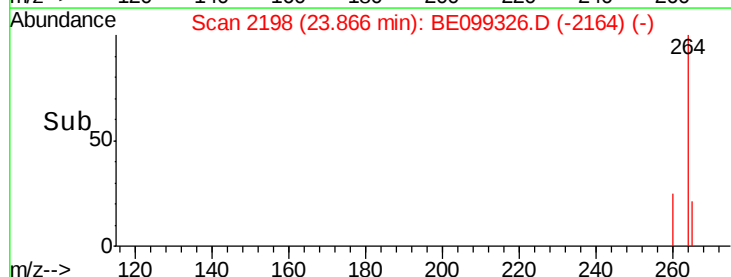
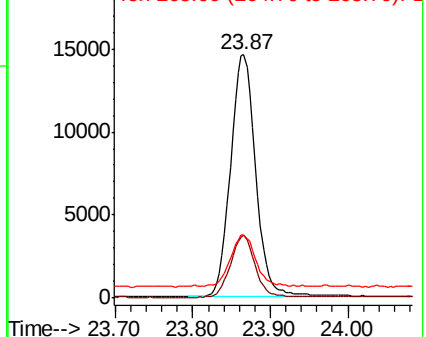
264 100

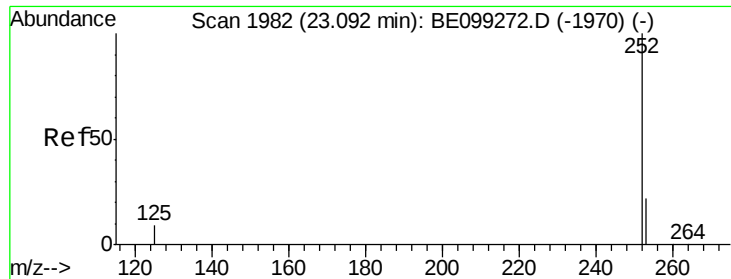
260 25.8 18.2 27.2

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

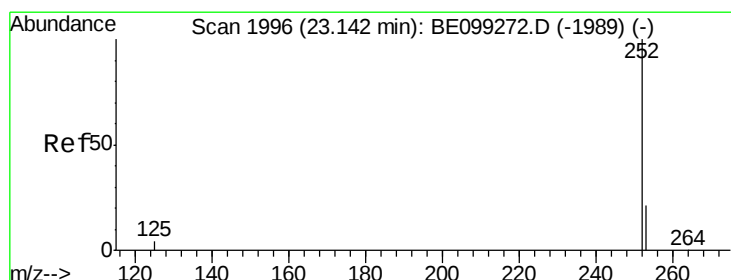
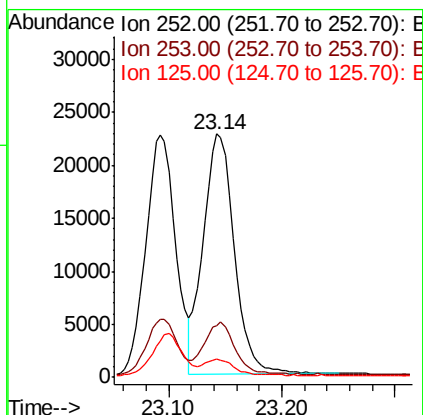
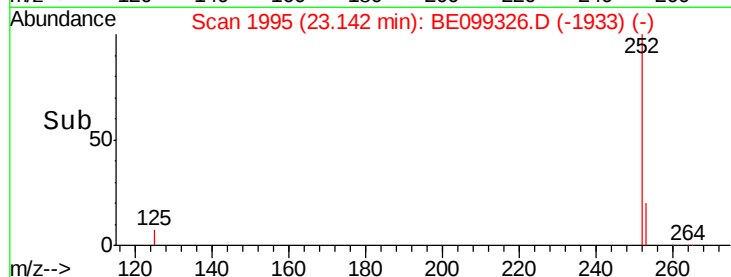
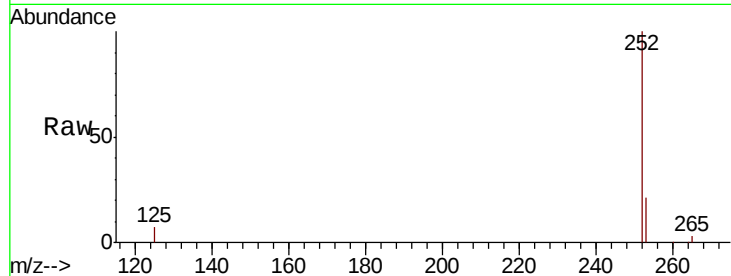




#35
Benzo(b)fluoranthene
Concen: 0.443 ng
RT: 23.14 min Scan# 1995
Delta R.T. 0.02 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

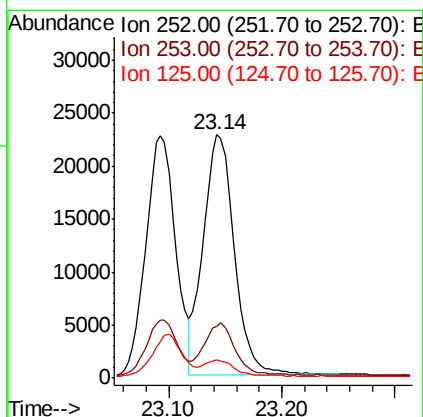
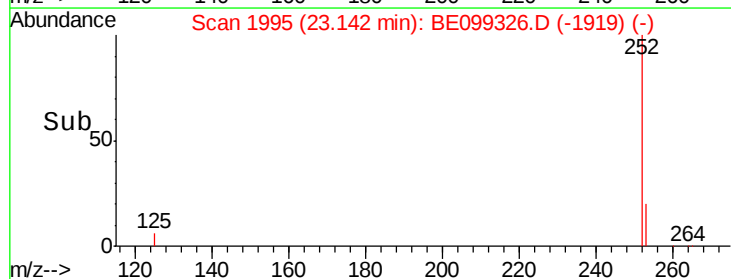
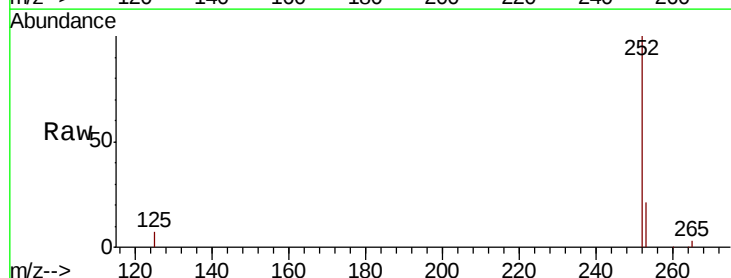
Instrument :
BNA_E
ClientSampleId :

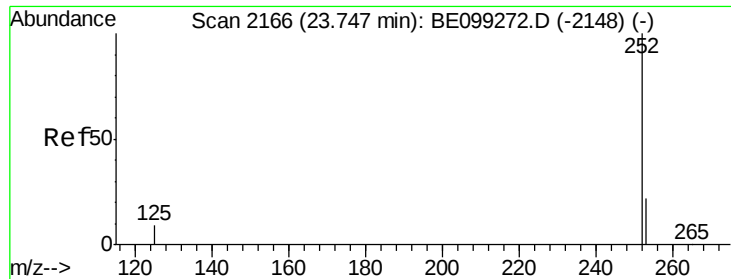
Tot Ion:252 Resp: 43631
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 7.3 6.1 9.1



#36
Benzo(k)fluoranthene
Concen: 0.456 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:252 Resp: 43631
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.6
125 7.3 5.9 8.9

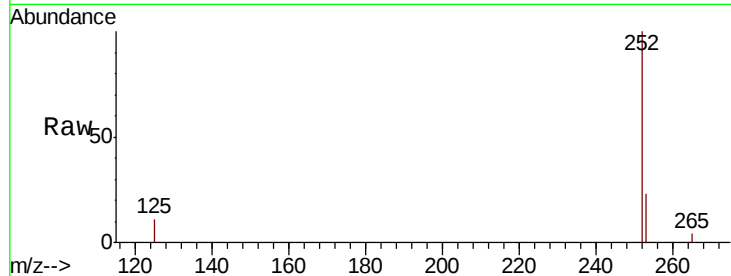




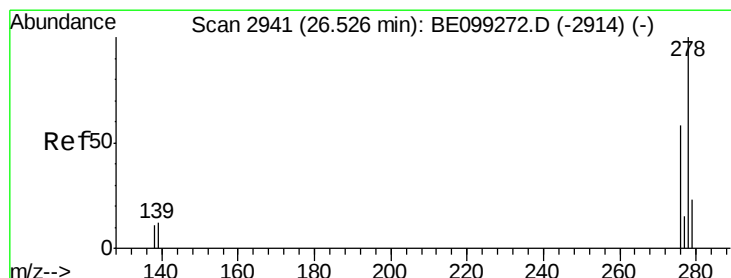
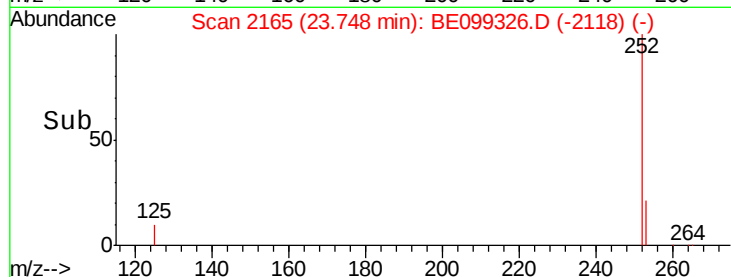
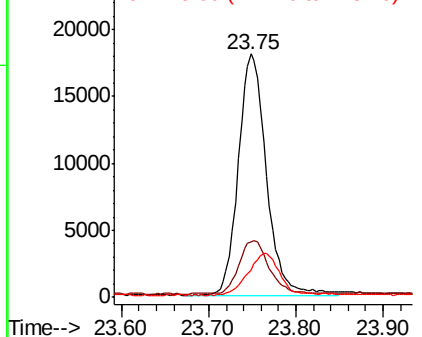
#37
Benzo(a)pyrene
Concen: 0.437 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 40397
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 11.3 6.8 10.2#

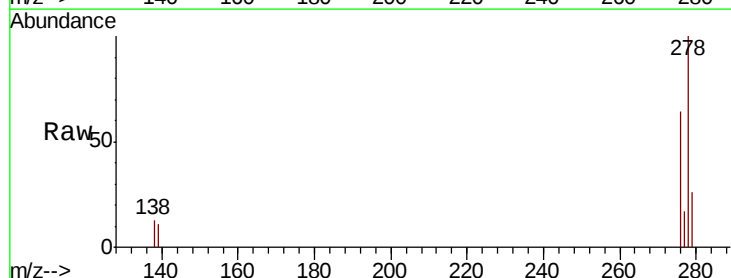


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

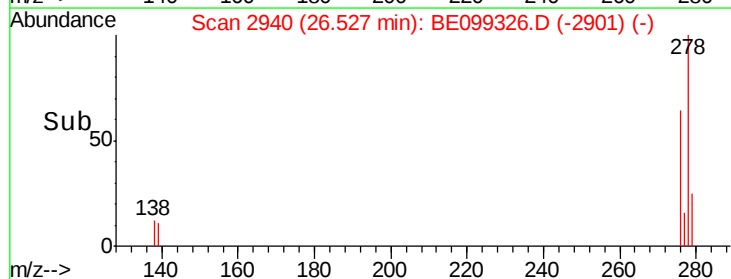
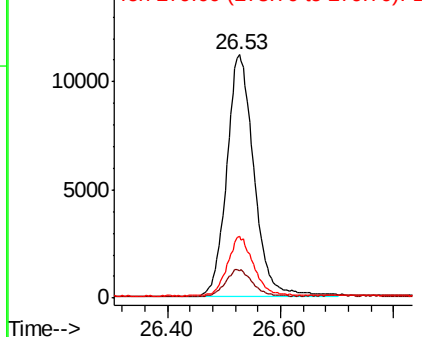


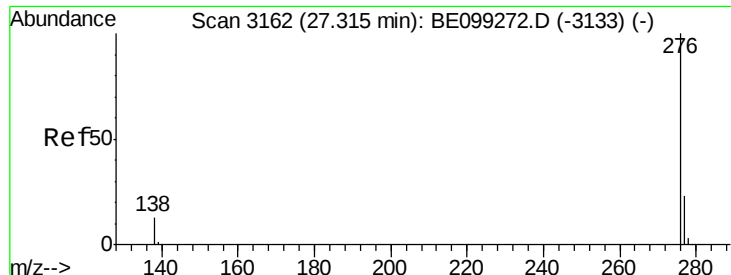
#38
Dibenzo(a,h)anthracene
Concen: 0.407 ng
RT: 26.53 min Scan# 2940
Delta R.T. -0.06 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:278 Resp: 37470
Ion Ratio Lower Upper
278 100
139 11.4 9.5 14.3
279 25.6 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(a,h,i)perylene

Concen: 0.415 ng

RT: 27.32 min Scan# 3162

Delta R.T. -0.06 min

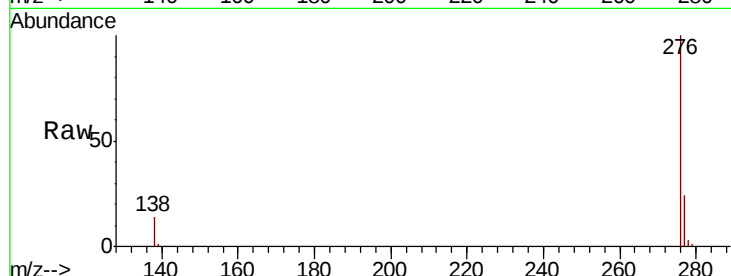
Lab File: BE099326.D

Acq: 15 Apr 2019 15:10

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 38098

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 14.1 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

