

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE041519\
 Data File : BE099327.D
 Acq On : 15 Apr 2019 15:53
 Operator : JU/SJ
 Sample : K2366-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 15 19:00:04 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	3200	0.40	ng	-0.02
7) Naphthalene-d8	10.61	136	11407	0.40	ng	-0.01
13) Acenaphthene-d10	14.46	164	7119	0.40	ng	-0.03
19) Phenanthrene-d10	17.19	188	20382	0.40	ng	-0.03
27) Chrysene-d12	21.37	240	32205	0.40	ng	-0.02
34) Perylene-d12	23.87	264	32519	0.40	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1587	0.19	ng	-0.02
5) Phenol-d6	6.98	99	1191	0.10	ng	-0.01
8) Nitrobenzene-d5	8.96	82	3756	0.48	ng	-0.03
11) 2-Methylnaphthalene-d10	12.21	152	10268	0.52	ng	-0.01
14) 2,4,6-Tribromophenol	15.94	330	1224	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	13683	0.49	ng	-0.01
25) Fluoranthene-d10	19.22	212	120744	0.45	ng	-0.02
29) Terphenyl-d14	19.82	244	26204	0.45	ng	-0.02

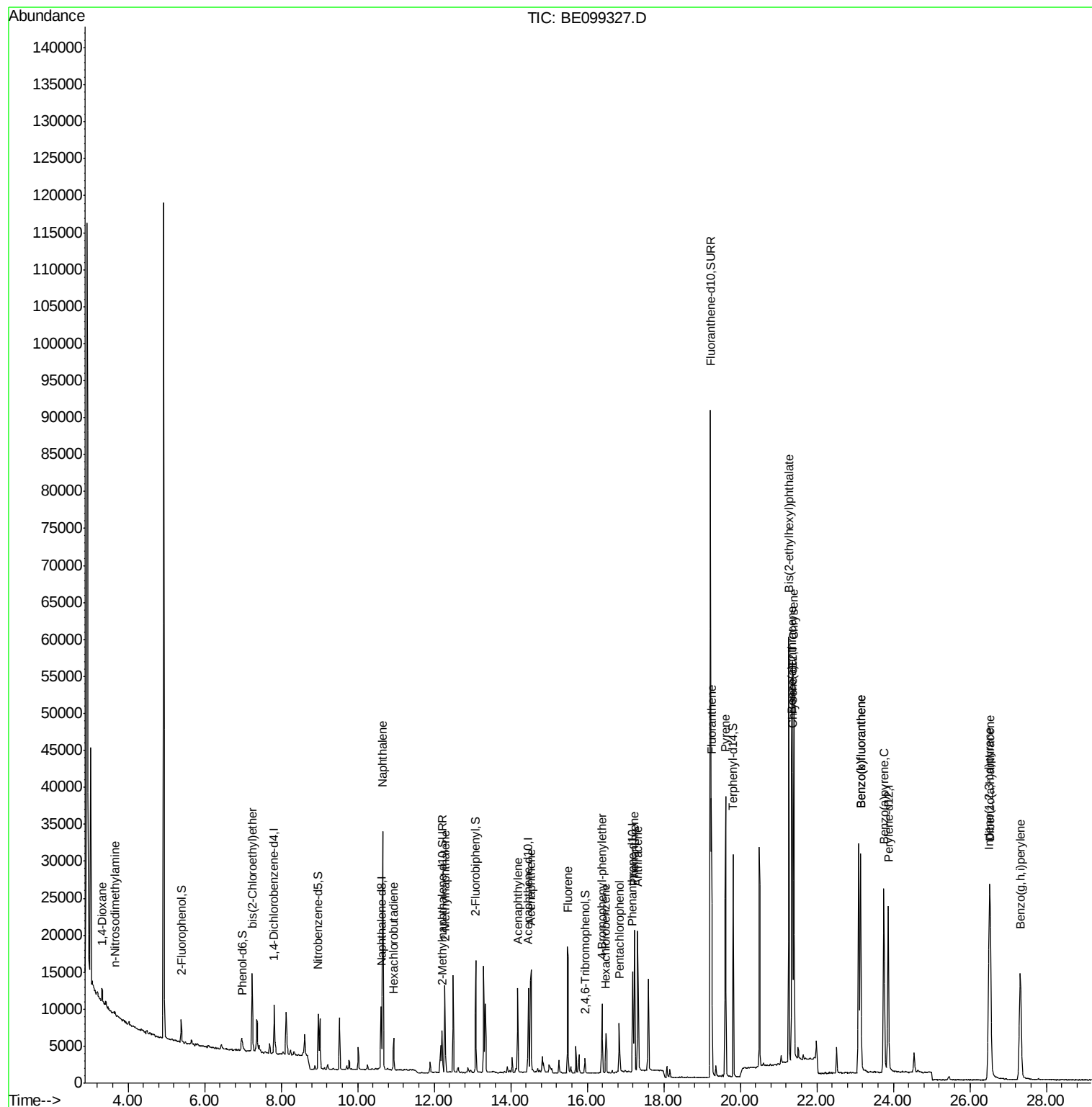
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	1589	0.364	ng	# 71
3) n-Nitrosodimethylamine	3.65	42	272	0.106	ng	# 33
6) bis(2-Chloroethyl)ether	7.24	93	4376	0.417	ng	97
9) Naphthalene	10.65	128	53158	0.428	ng	100
10) Hexachlorobutadiene	10.94	225	2900	0.360	ng	97
12) 2-Methylnaphthalene	12.28	142	8787	0.416	ng	98
16) Acenaphthylene	14.18	152	12953	0.384	ng	99
17) Acenaphthene	14.53	154	8142	0.409	ng	100
18) Fluorene	15.50	166	11679	0.406	ng	98
20) 4-Bromophenyl-phenylether	16.38	248	4655	0.402	ng	# 77
21) Hexachlorobenzene	16.49	284	4414	0.401	ng	97
22) Pentachlorophenol	16.84	266	3330	0.728	ng	93
23) Phenanthrene	17.23	178	22882	0.434	ng	99
24) Anthracene	17.32	178	20661	0.415	ng	99
26) Fluoranthene	19.25	202	34495	0.443	ng	99
28) Pyrene	19.61	202	37453	0.440	ng	99
30) Benzo(a)anthracene	21.34	228	43179	0.426	ng	97
31) Chrysene	21.40	228	43121	0.434	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	57982	0.449	ng	100
33) Indeno(1,2,3-cd)pyrene	26.51	276	44819	0.394	ng	98
35) Benzo(b)fluoranthene	23.14	252	43720	0.451	ng	99
36) Benzo(k)fluoranthene	23.14	252	43720	0.463	ng	100
37) Benzo(a)pyrene	23.75	252	40288	0.442	ng	# 93
38) Dibenzo(a,h)anthracene	26.53	278	37541	0.414	ng	99
39) Benzo(g,h,i)perylene	27.32	276	37951	0.420	ng	100

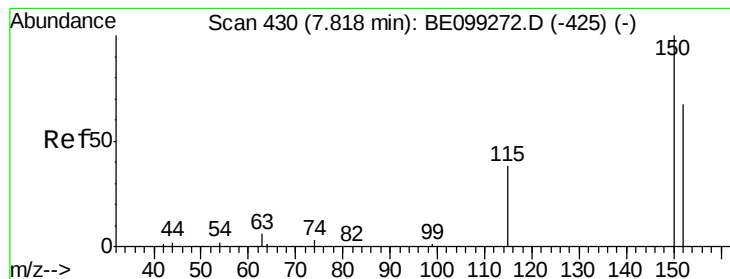
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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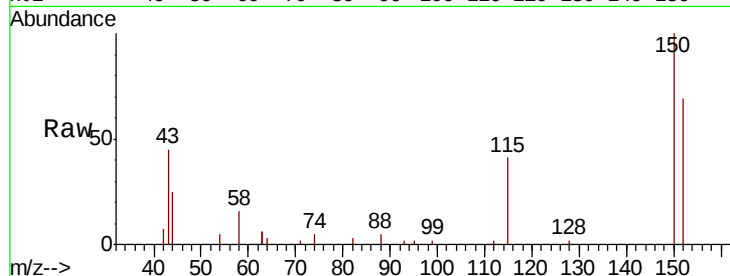


#1

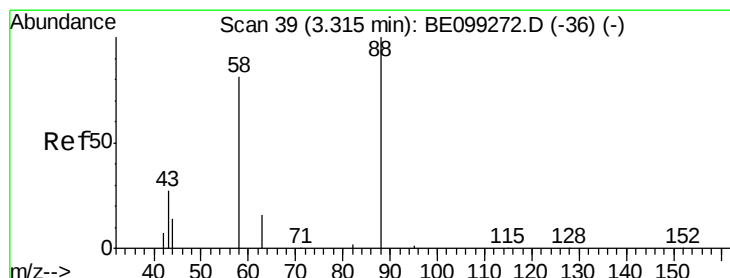
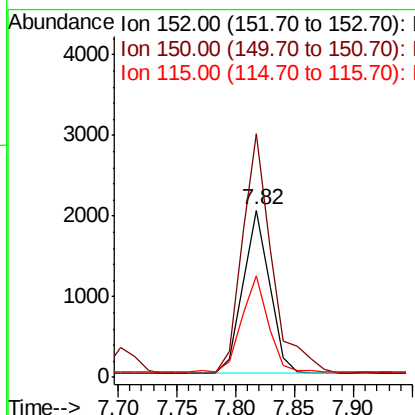
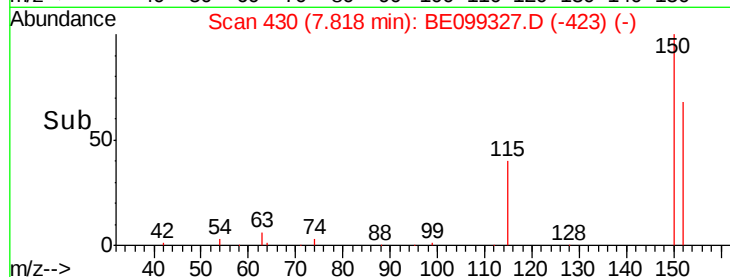
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3200
Ion Ratio Lower Upper
152 100
150 145.8 112.8 169.2
115 60.5 45.1 67.7



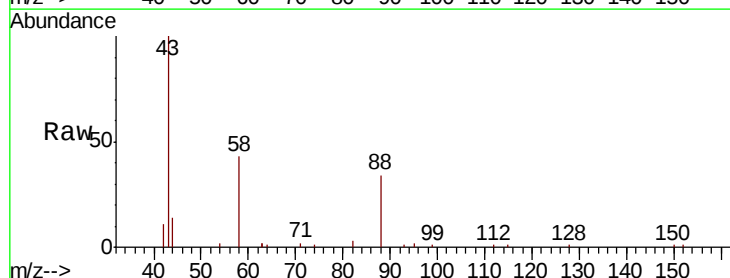
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



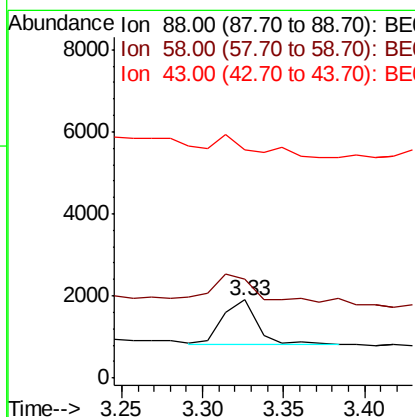
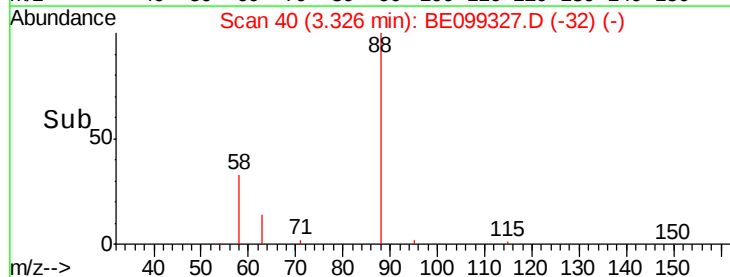
#2

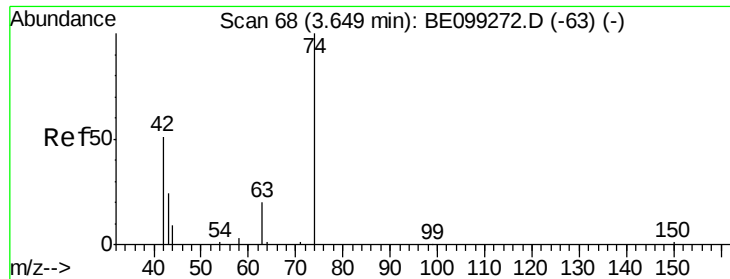
1,4-Dioxane
Concen: 0.364 ng
RT: 3.33 min Scan# 40
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion: 88 Resp: 1589
Ion Ratio Lower Upper
88 100
58 77.8 47.4 71.0#
43 0.0 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



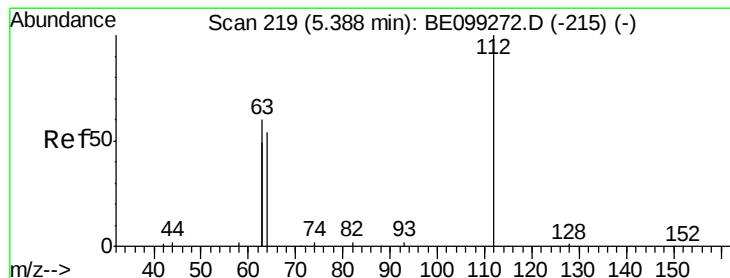
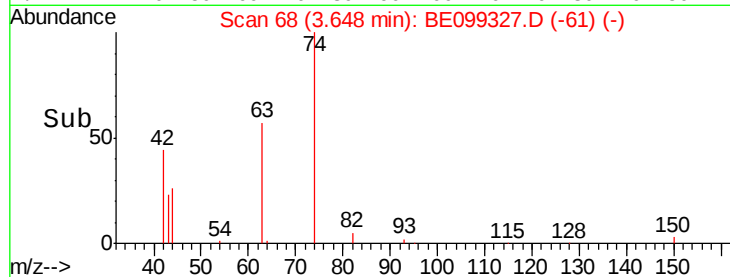
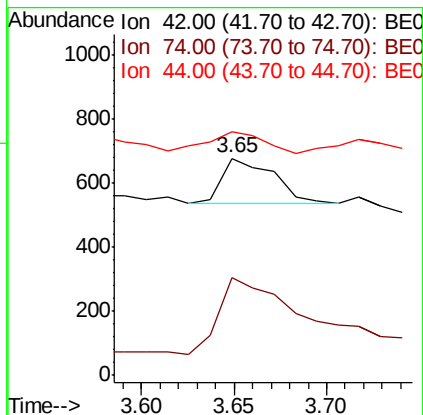
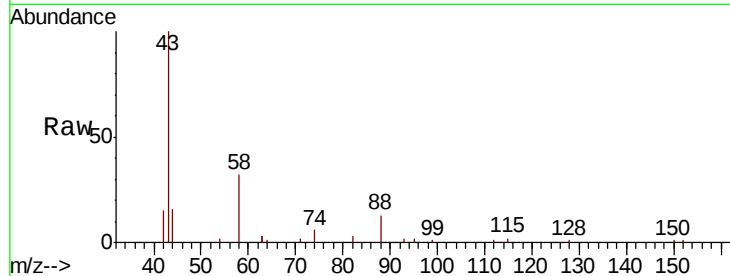


#3

n-Nitrosodimethylamine
 Concen: 0.106 ng
 RT: 3.65 min Scan# 68
 Delta R.T. -0.02 min
 Lab File: BE099327.D
 Acq: 15 Apr 2019 15:53

Instrument :
 BNA_E
 ClientSampleId :

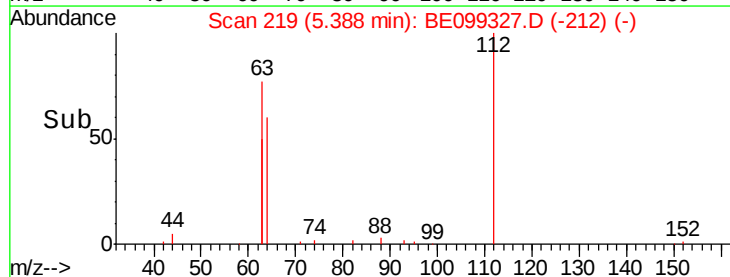
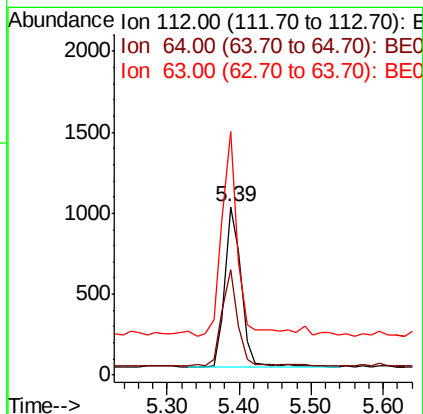
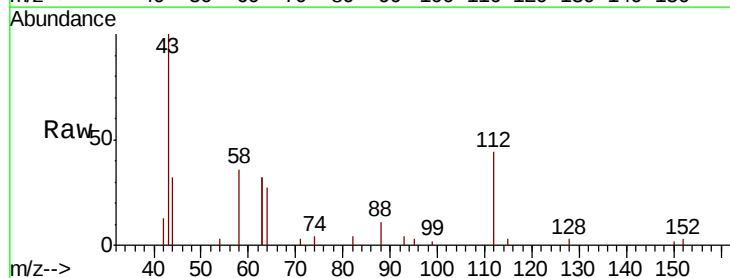
Tot Ion: 42 Resp: 272
 Ion Ratio Lower Upper
 42 100
 74 264.0 138.6 207.8#
 44 54.8 15.0 22.6#

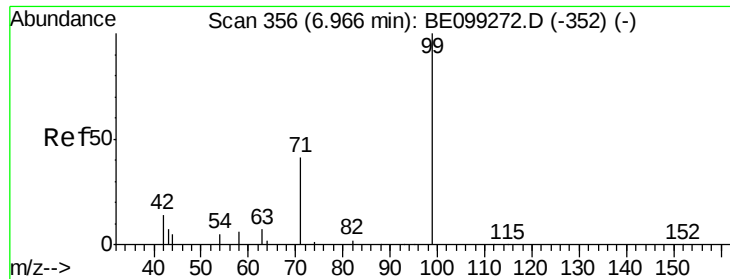


#4

2-Fluorophenol
 Concen: 0.187 ng
 RT: 5.39 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: BE099327.D
 Acq: 15 Apr 2019 15:53

Tgt Ion: 112 Resp: 1587
 Ion Ratio Lower Upper
 112 100
 64 55.3 46.2 69.2
 63 119.9 89.9 134.9





#5

Phenol-d6

Concen: 0.102 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampled :

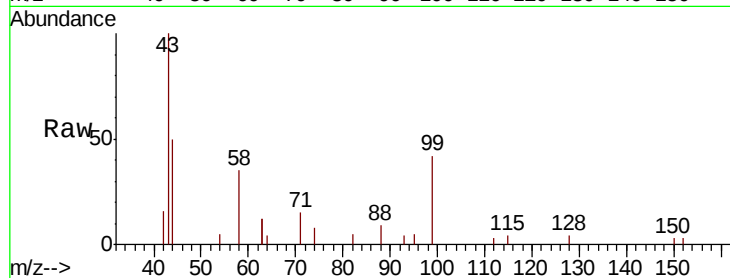
Tot Ion: 99 Resp: 1191

Ion Ratio Lower Upper

99 100

42 24.7 12.4 18.6#

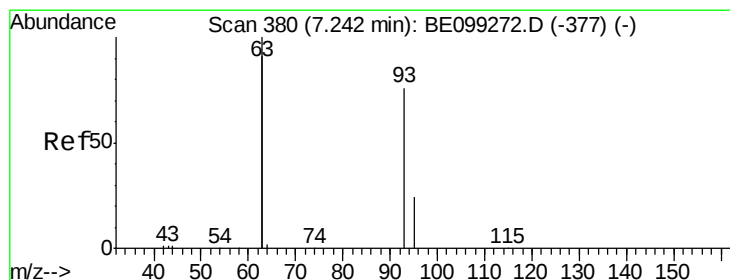
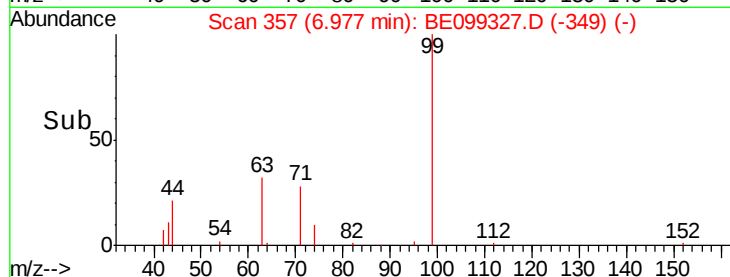
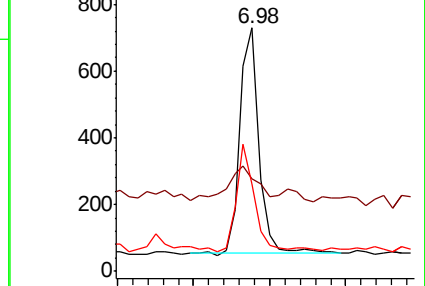
71 44.8 28.4 42.6#



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: 0.417 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.02 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

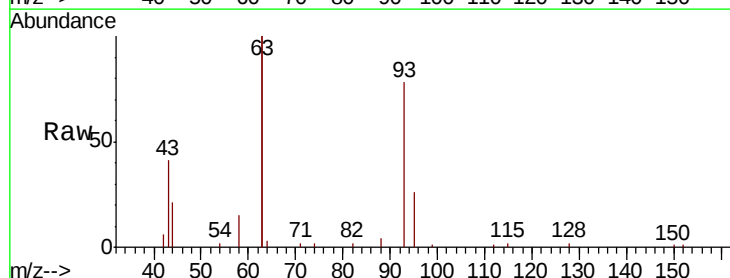
Tgt Ion: 93 Resp: 4376

Ion Ratio Lower Upper

93 100

63 281.9 221.4 332.0

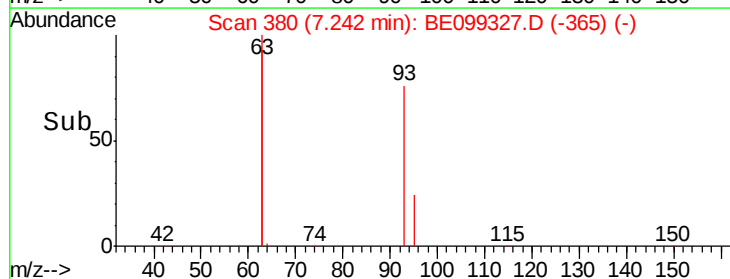
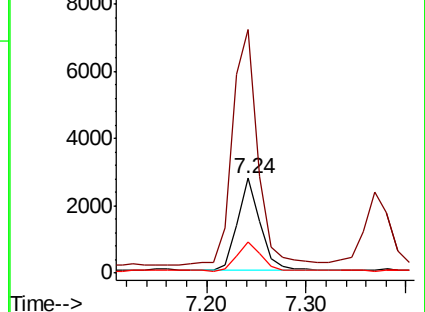
95 33.0 25.8 38.8

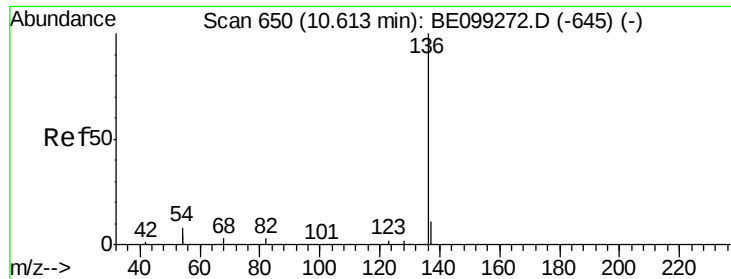


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.61 min Scan# 650

Delta R.T. -0.01 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 11407

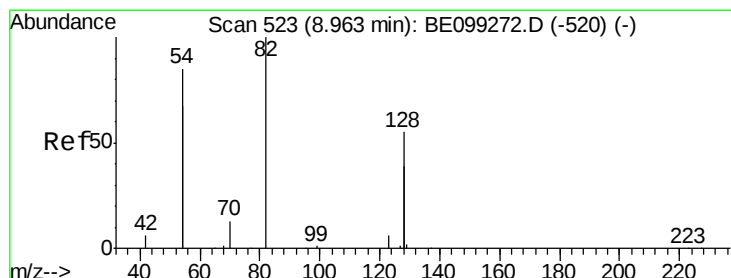
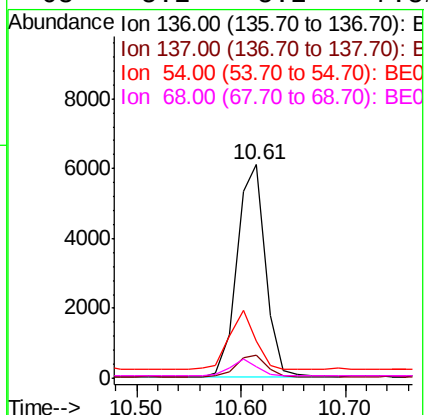
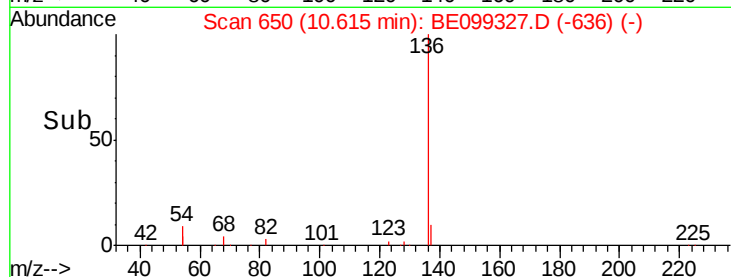
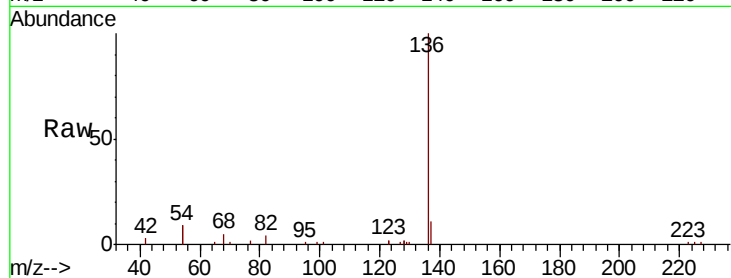
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 17.1 18.7 28.1#

68 5.2 5.2 7.8#



#8

Nitrobenzene-d5

Concen: 0.480 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.03 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

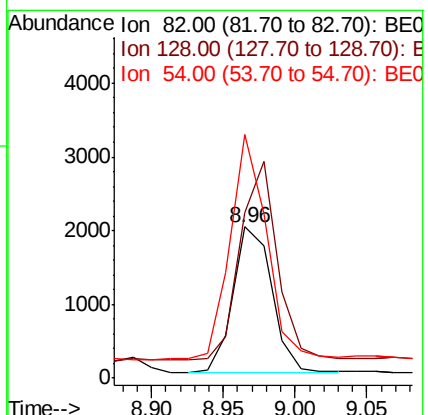
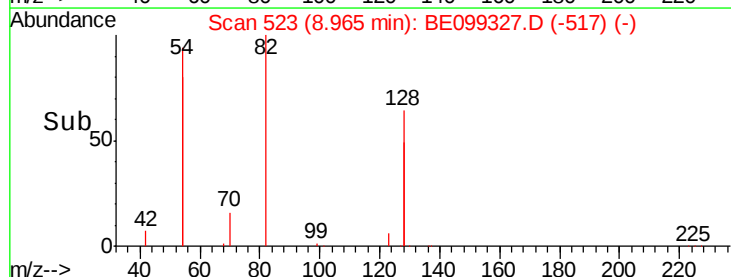
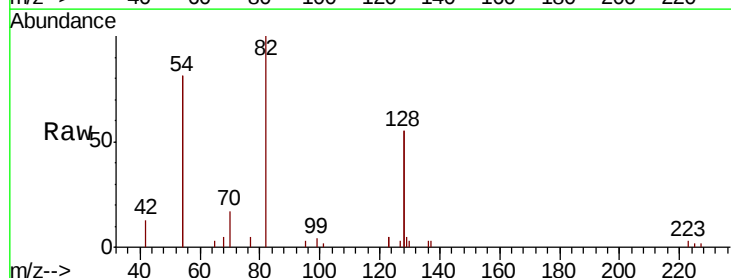
Tgt Ion: 82 Resp: 3756

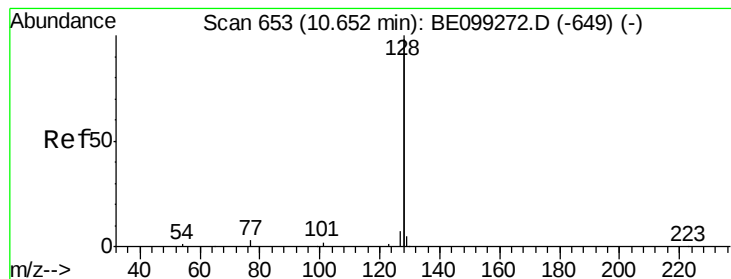
Ion Ratio Lower Upper

82 100

128 109.4 107.5 161.3

54 161.2 106.3 159.5#





#9

Naphthalene

Concen: 0.428 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.03 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :

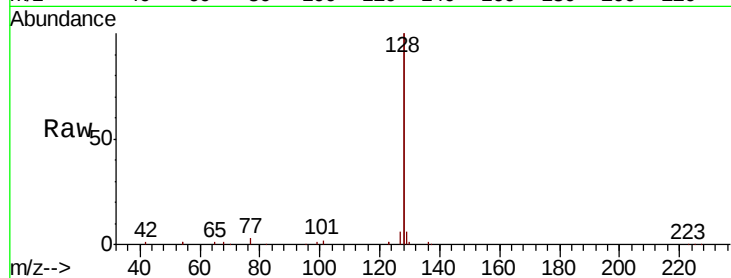
Tot Ion:128 Resp: 53158

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

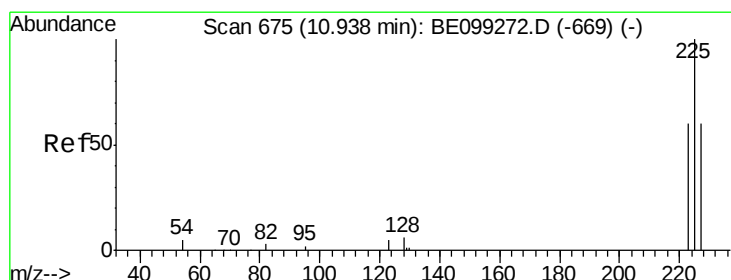
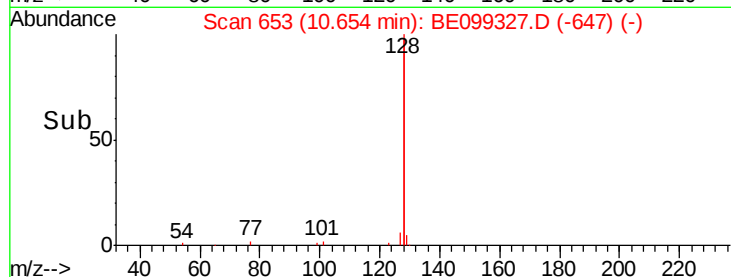
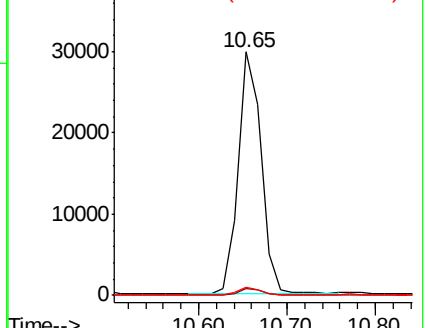
127 3.1 2.6 3.8



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: 0.360 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

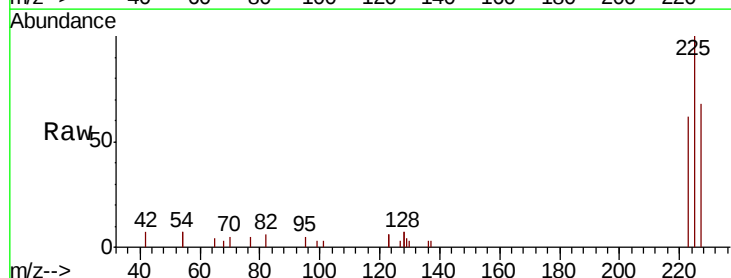
Tgt Ion:225 Resp: 2900

Ion Ratio Lower Upper

225 100

223 62.2 51.3 76.9

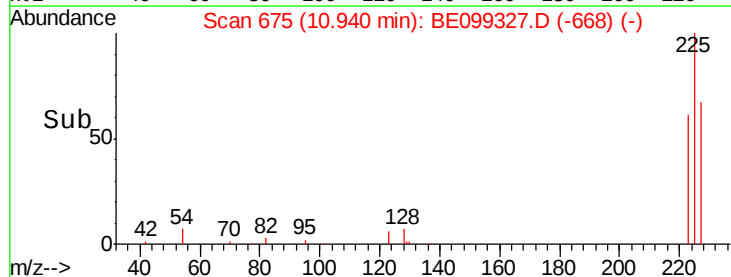
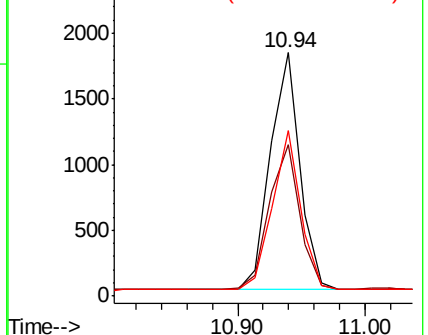
227 64.3 48.6 73.0

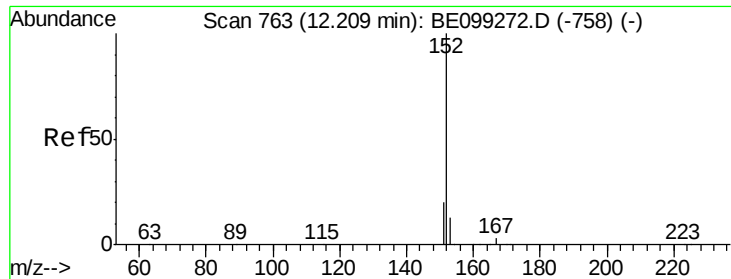


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

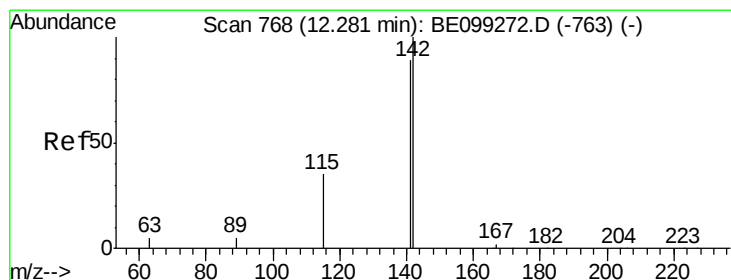
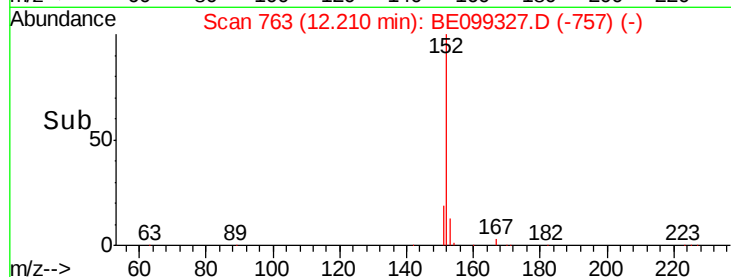
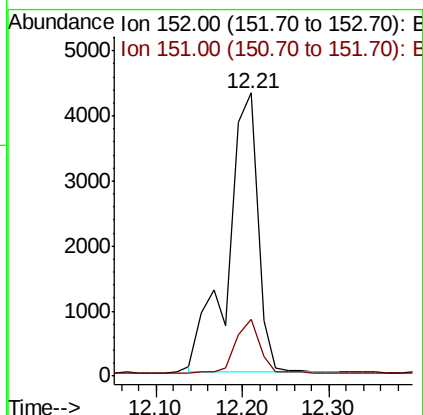
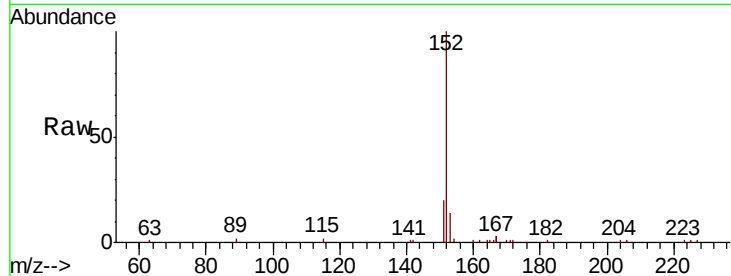




#11
 2-Methylnaphthalene-d10
 Concen: 0.516 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BE099327.D
 Acq: 15 Apr 2019 15:53

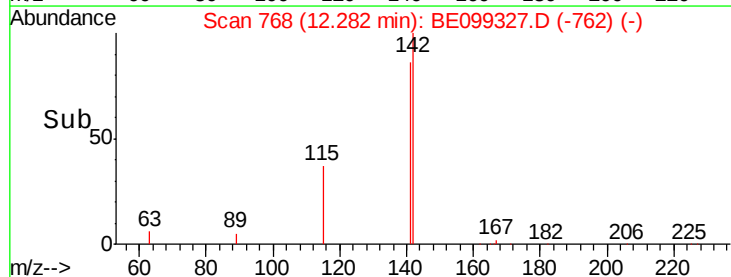
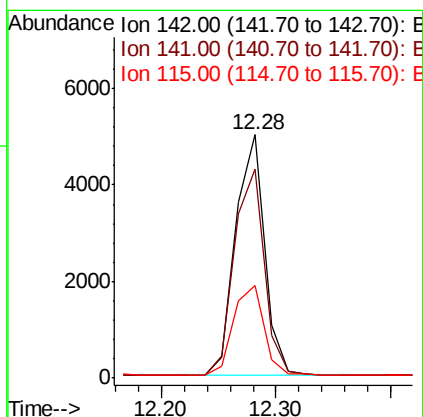
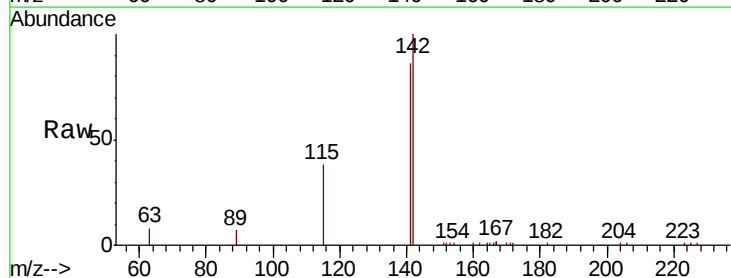
Instrument :
 BNA_E
 ClientSampleId :

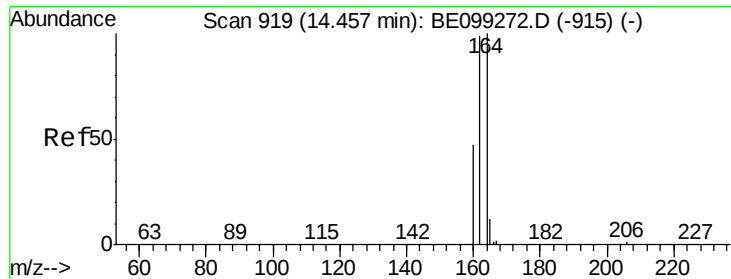
Tot Ion:152 Resp: 10268
 Ion Ratio Lower Upper
 152 100
 151 15.3 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.416 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BE099327.D
 Acq: 15 Apr 2019 15:53

Tgt Ion:142 Resp: 8787
 Ion Ratio Lower Upper
 142 100
 141 86.1 71.3 106.9
 115 38.1 30.4 45.6

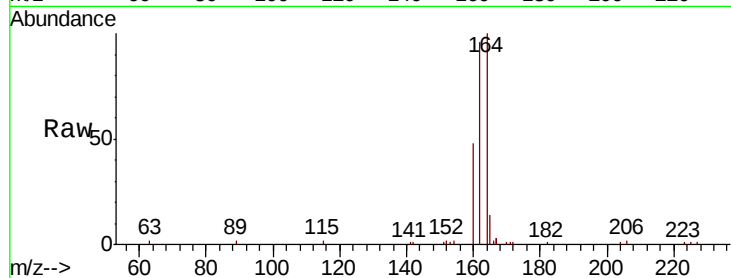




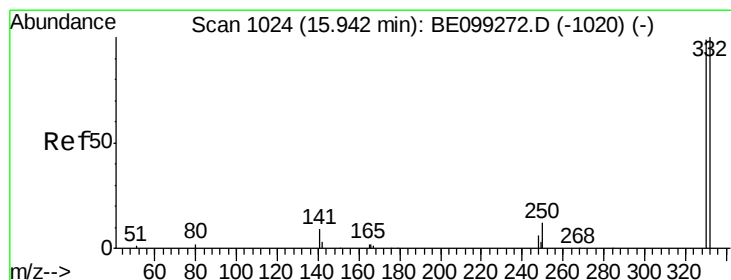
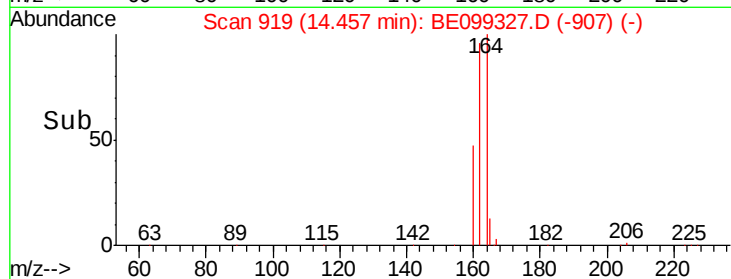
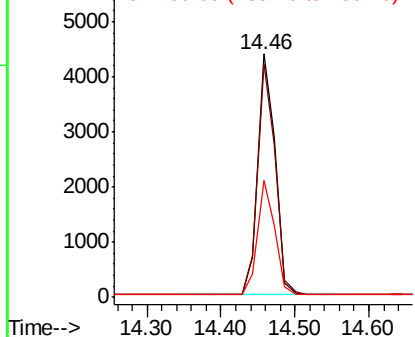
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 7119
Ion Ratio Lower Upper
164 100
162 95.7 79.2 118.8
160 47.9 36.7 55.1

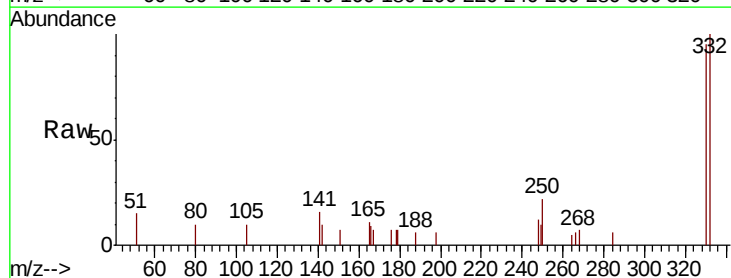


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

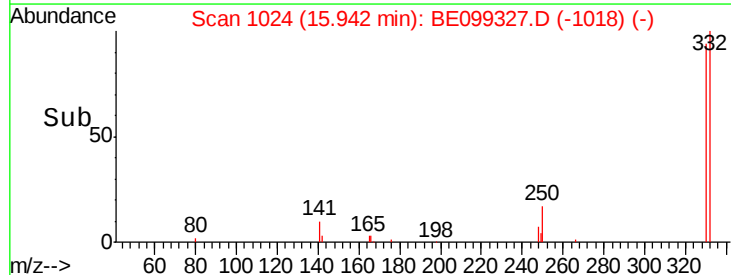
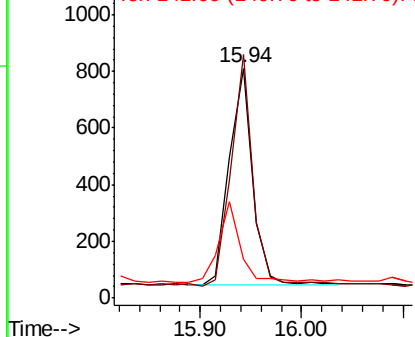


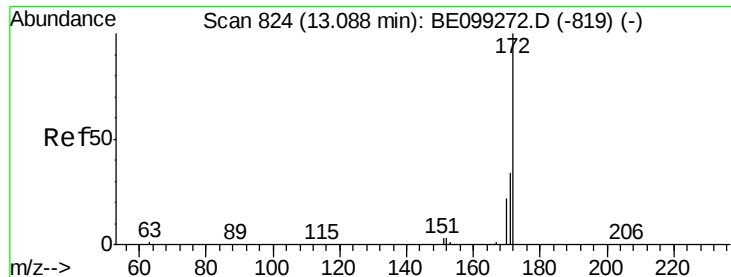
#14
2,4,6-Tribromophenol
Concen: 0.373 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:330 Resp: 1224
Ion Ratio Lower Upper
330 100
332 101.2 71.3 106.9
141 34.1 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

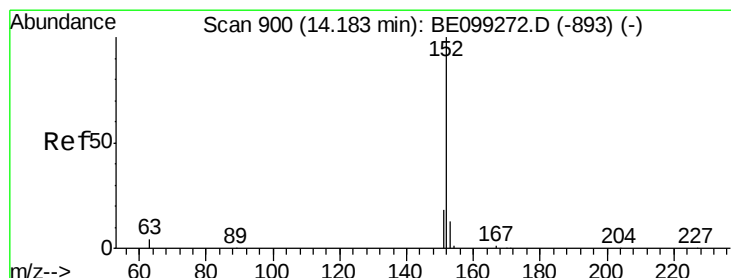
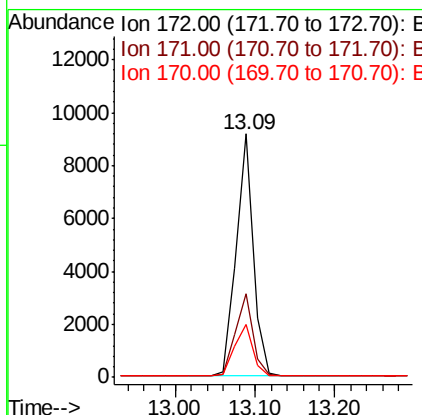
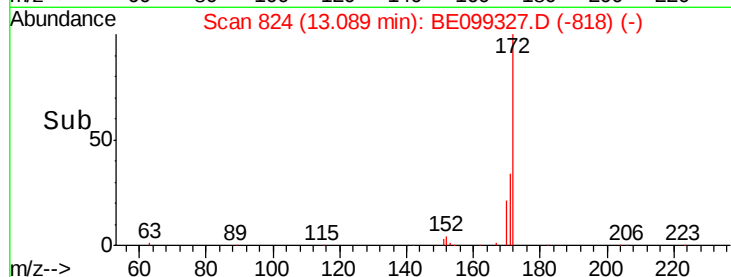
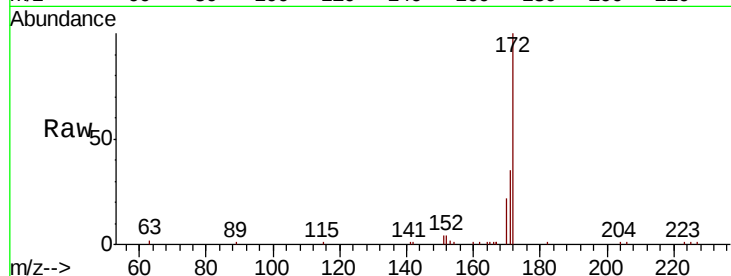




#15
2-Fluorobiphenyl
Concen: 0.489 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

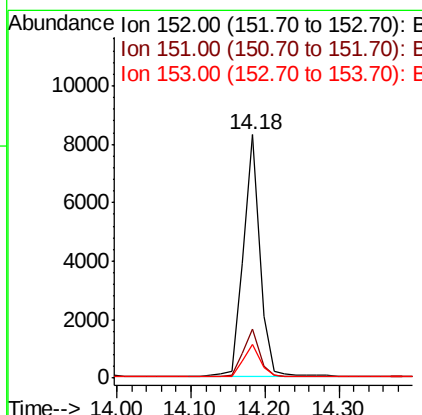
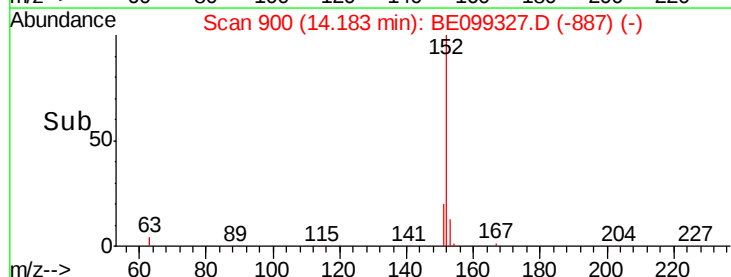
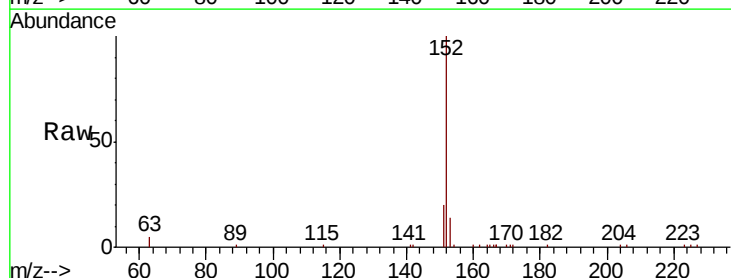
Instrument :
BNA_E
ClientSampleId :

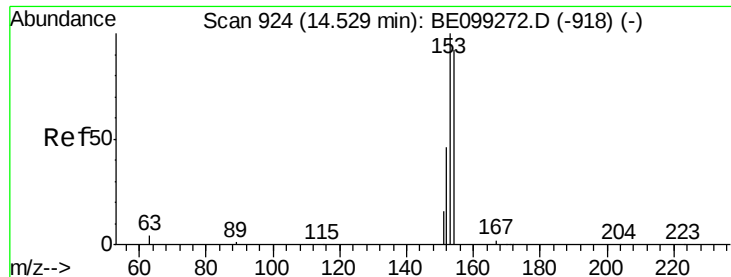
Tot Ion:172 Resp: 13683
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.0
170 21.5 19.1 28.7



#16
Acenaphthylene
Concen: 0.384 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:152 Resp: 12953
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.7 10.6 15.8

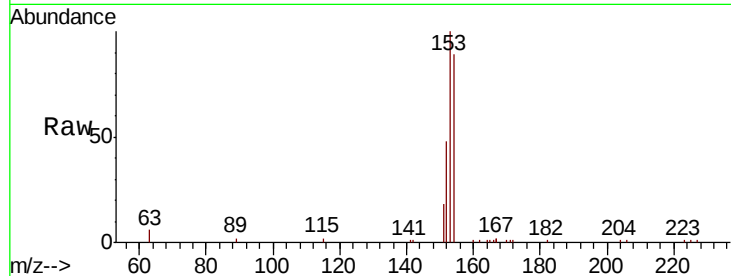




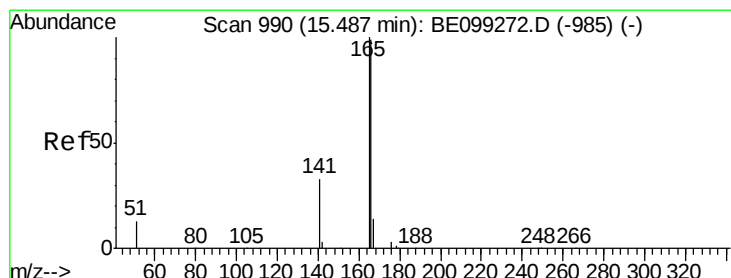
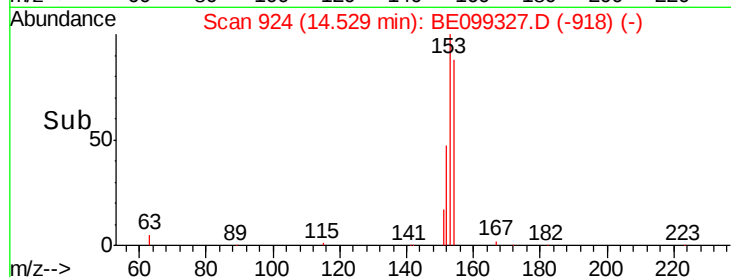
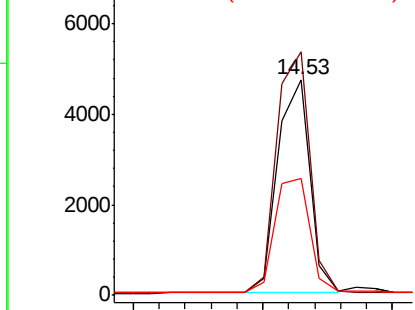
#17
Acenaphthene
Concen: 0.409 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 8142
Ion Ratio Lower Upper
154 100
153 117.2 93.4 140.0
152 58.1 46.6 69.8

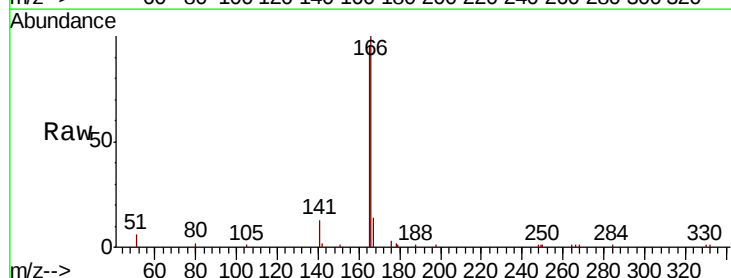


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

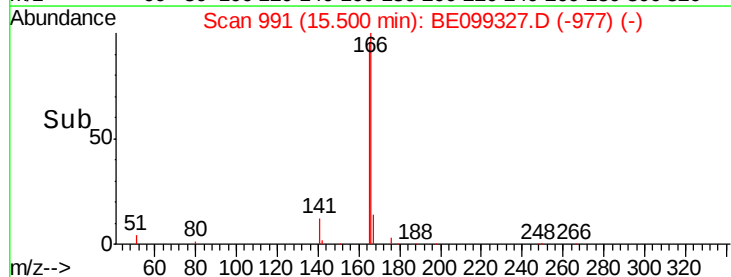
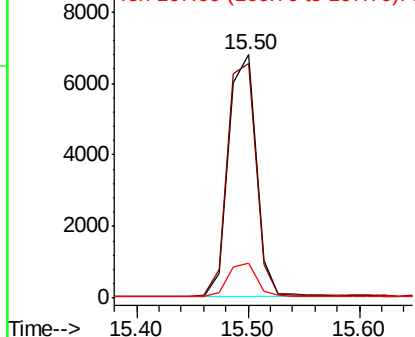


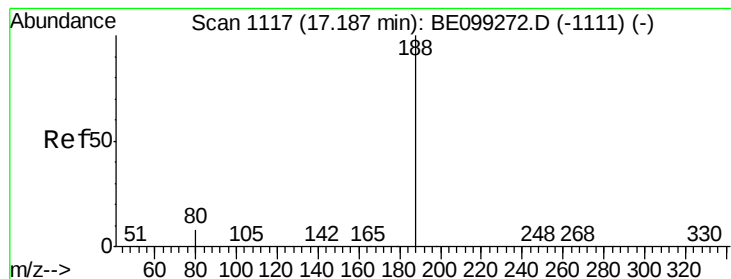
#18
Fluorene
Concen: 0.406 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:166 Resp: 11679
Ion Ratio Lower Upper
166 100
165 100.2 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: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :

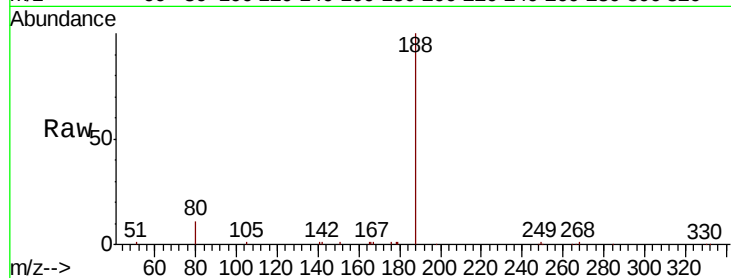
Tot Ion:188 Resp: 20382

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

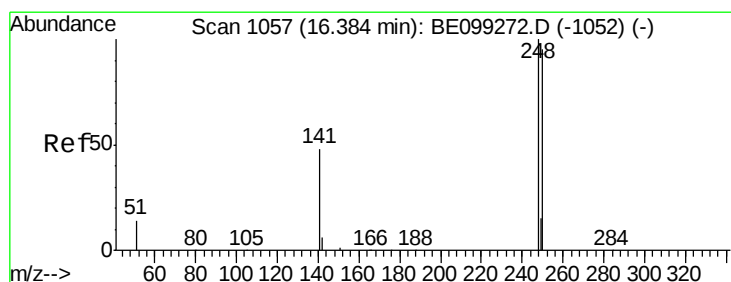
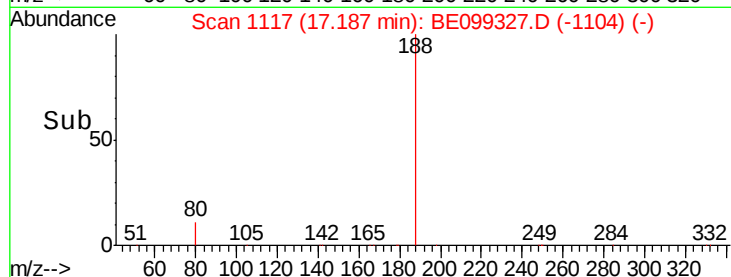
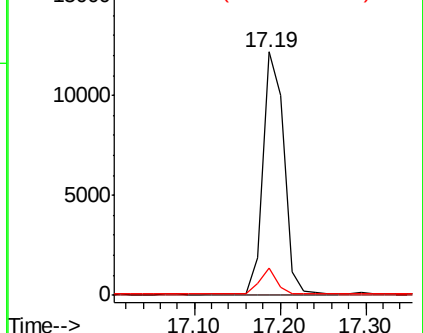
80 11.4 4.5 6.7#



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: 0.402 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

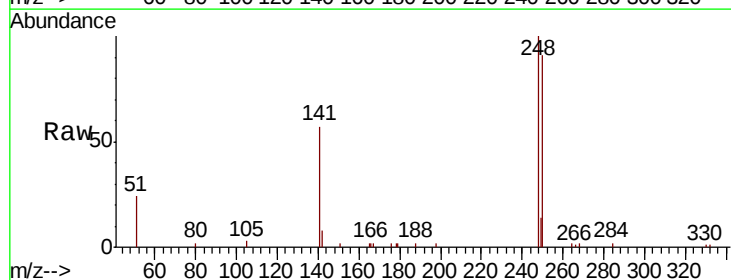
Tgt Ion:248 Resp: 4655

Ion Ratio Lower Upper

248 100

250 90.7 84.2 126.2

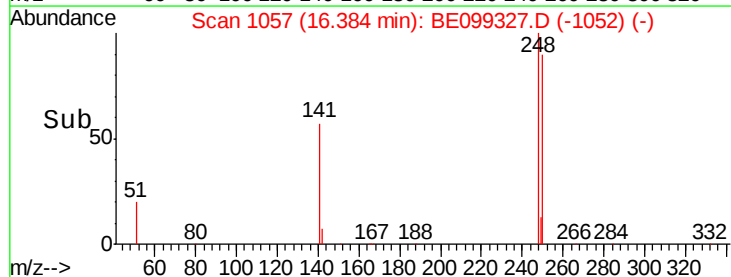
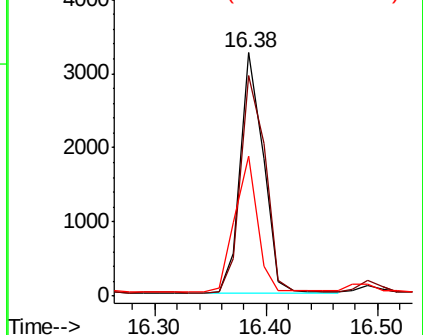
141 57.4 21.8 32.6#

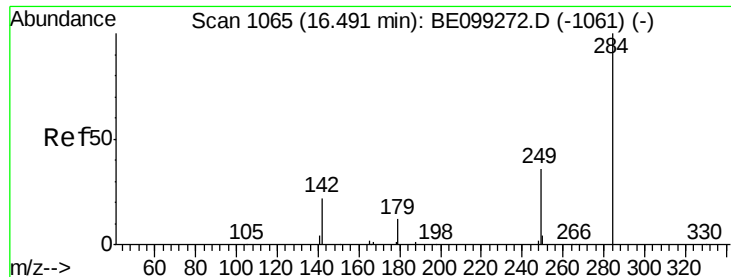


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.401 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :

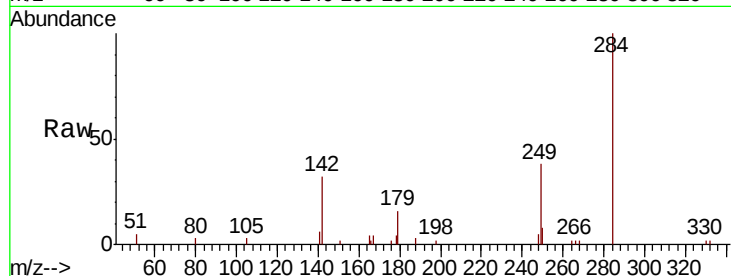
Tot Ion:284 Resp: 4414

Ion Ratio Lower Upper

284 100

142 27.9 22.7 34.1

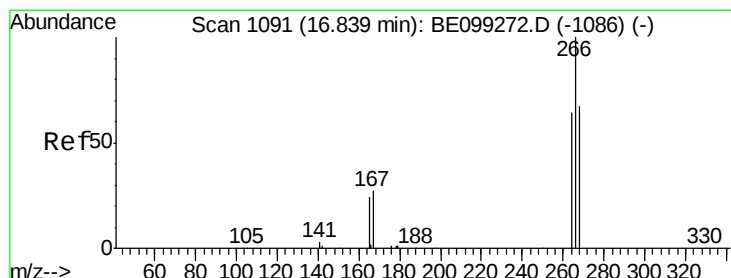
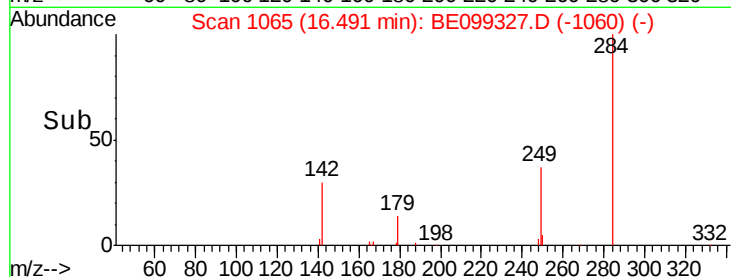
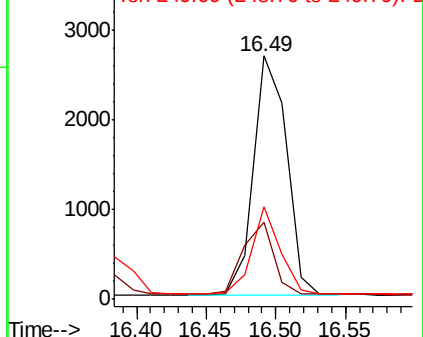
249 31.0 26.9 40.3



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: 0.728 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.03 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

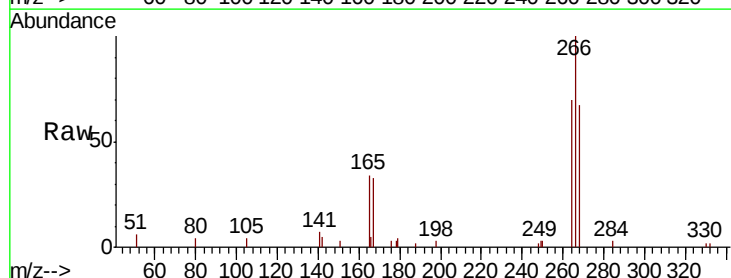
Tgt Ion:266 Resp: 3330

Ion Ratio Lower Upper

266 100

264 70.0 54.4 81.6

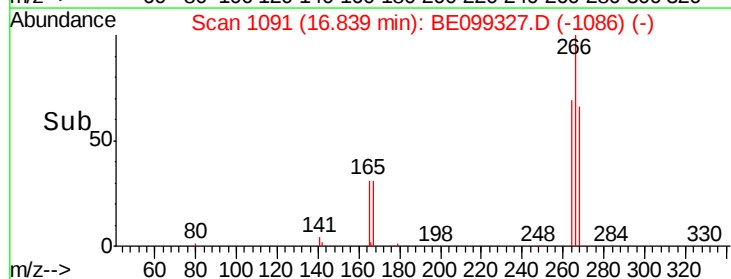
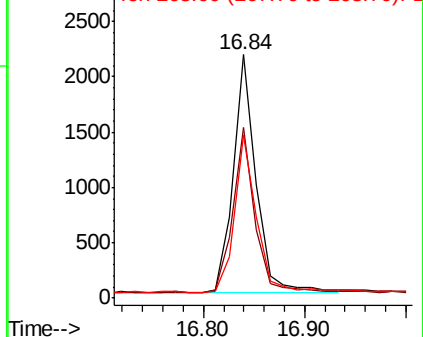
268 67.0 61.3 91.9

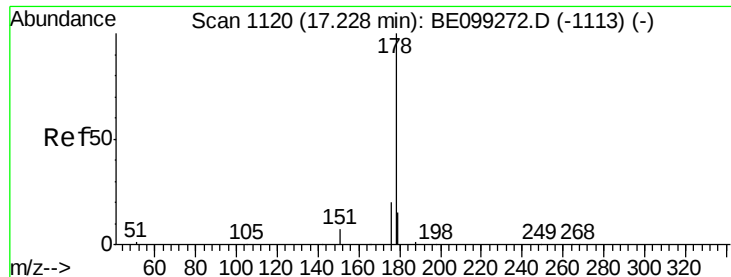


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.434 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :

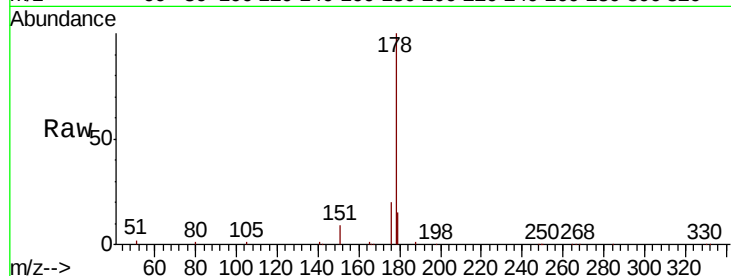
Tot Ion:178 Resp: 22882

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

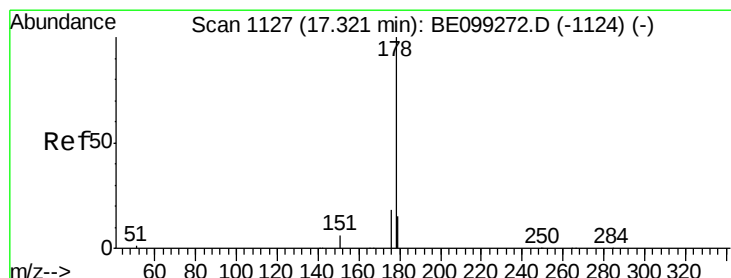
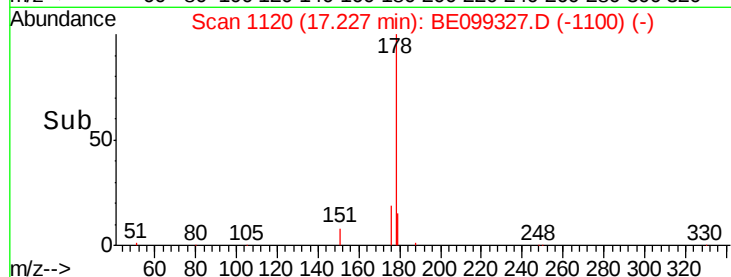
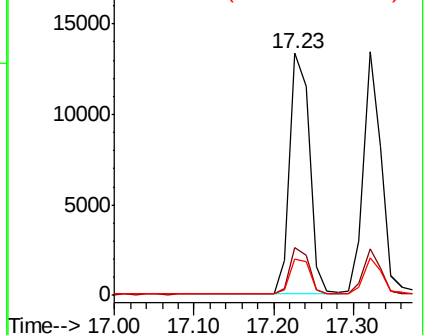
179 15.3 12.3 18.5



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: 0.415 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

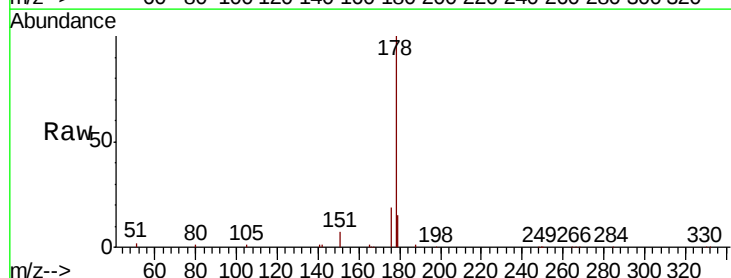
Tgt Ion:178 Resp: 20661

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

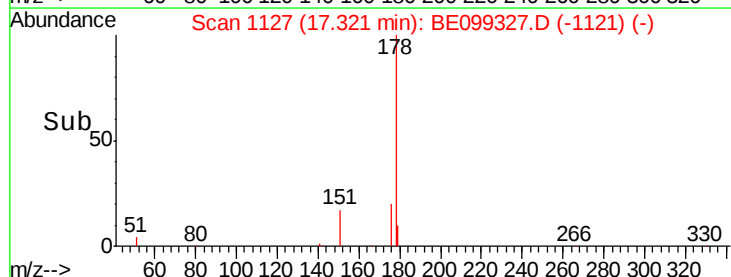
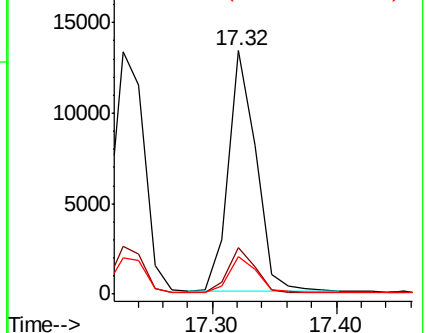
179 15.1 12.4 18.6

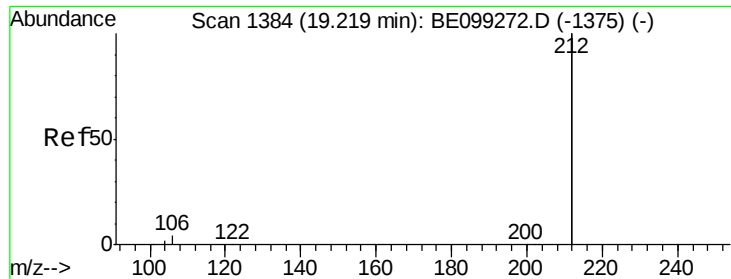


Abundance Ion 178.00 (177.70 to 178.70): E

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: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampled :

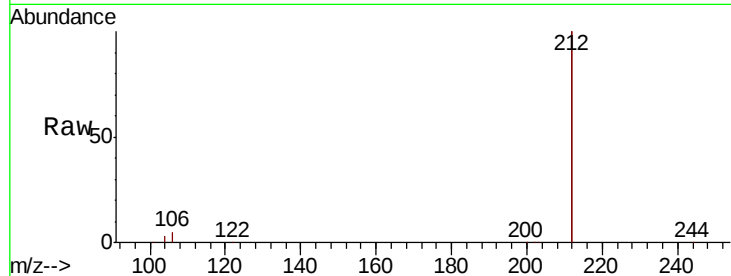
Tot Ion:212 Resp: 120744

Ion Ratio Lower Upper

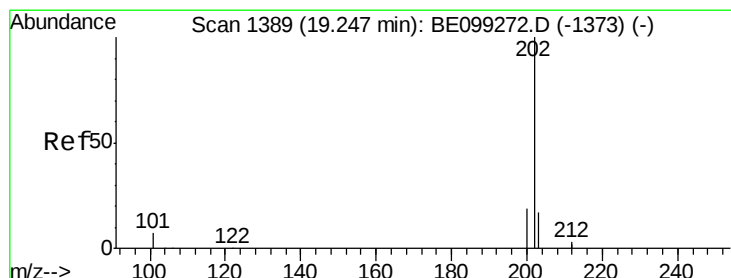
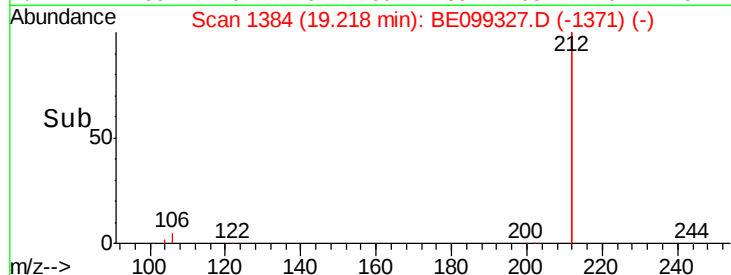
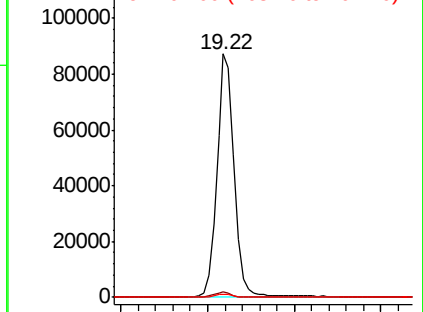
212 100

106 2.2 1.8 2.8

104 1.3 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: 0.443 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

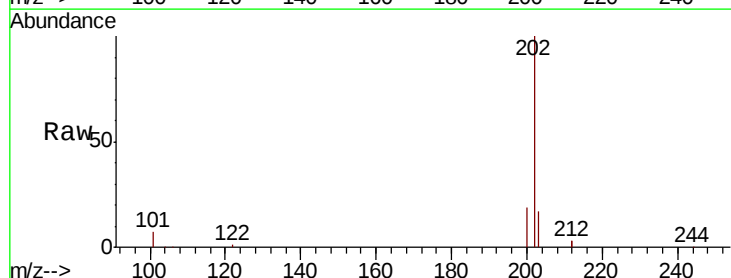
Tgt Ion:202 Resp: 34495

Ion Ratio Lower Upper

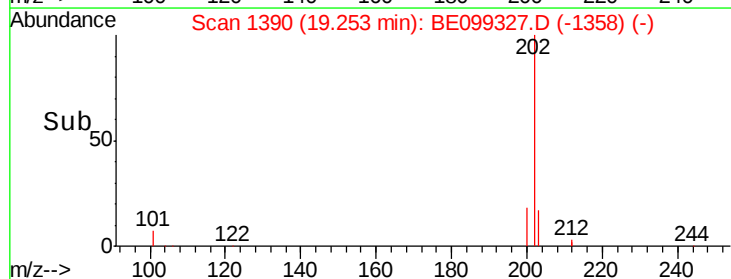
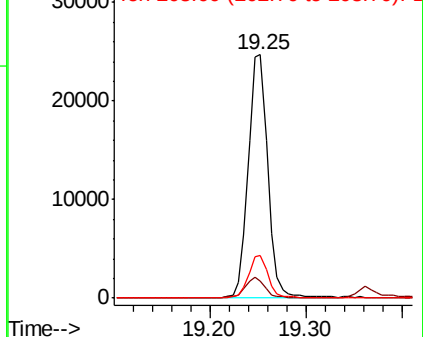
202 100

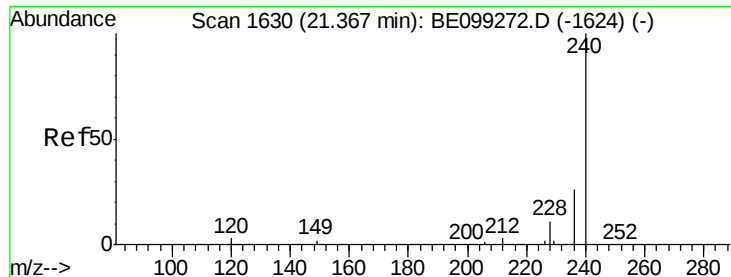
101 8.1 7.0 10.4

203 17.1 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# 1630

Delta R.T. -0.02 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :

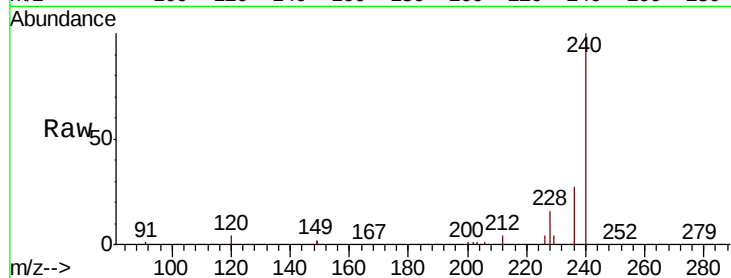
Tot Ion:240 Resp: 32205

Ion Ratio Lower Upper

240 100

120 3.8 2.6 3.8

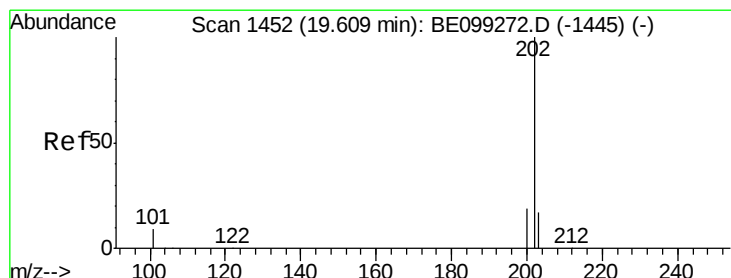
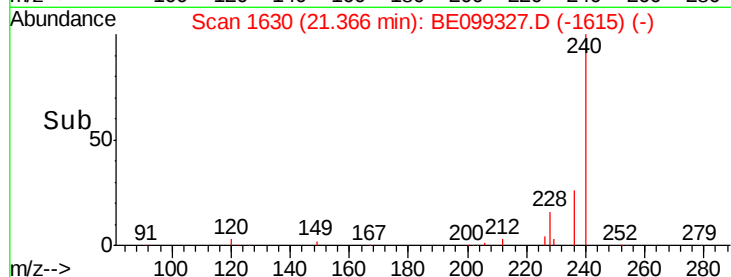
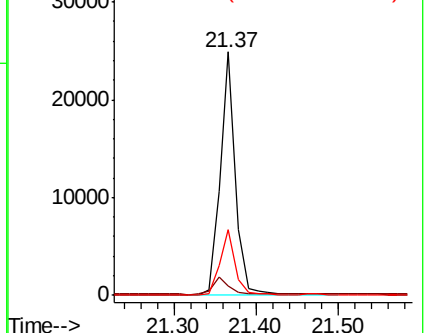
236 26.7 20.9 31.3



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: 0.440 ng

RT: 19.61 min Scan# 1453

Delta R.T. -0.02 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

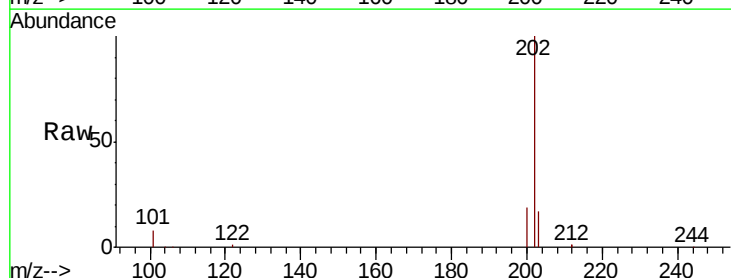
Tgt Ion:202 Resp: 37453

Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.8

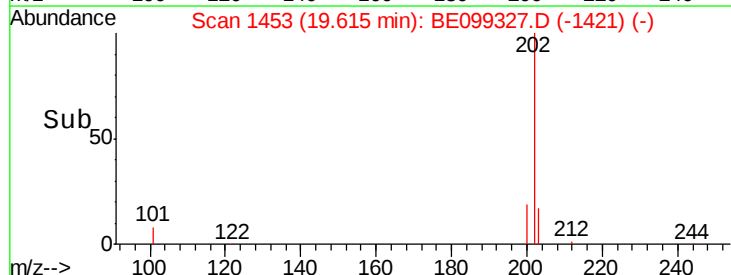
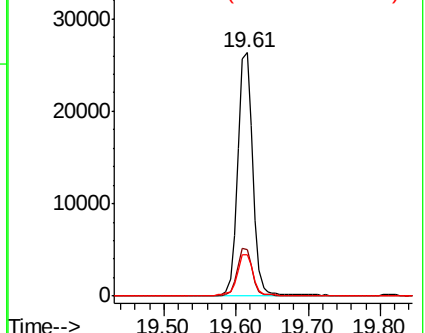
203 18.0 14.1 21.1

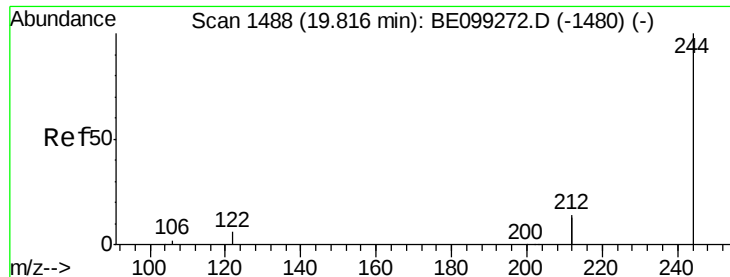


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.446 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.02 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :

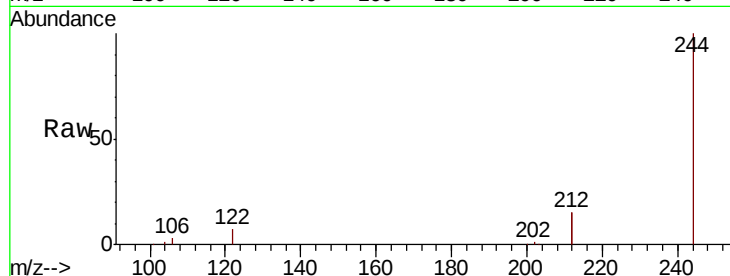
Tot Ion:244 Resp: 26204

Ion Ratio Lower Upper

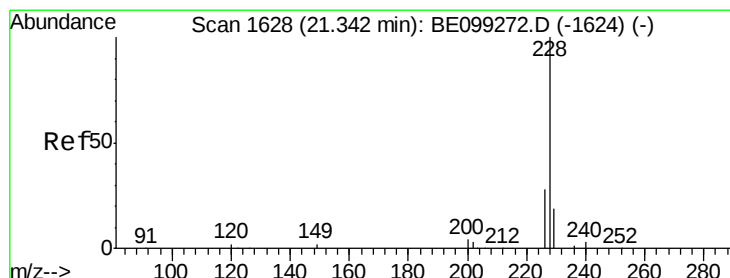
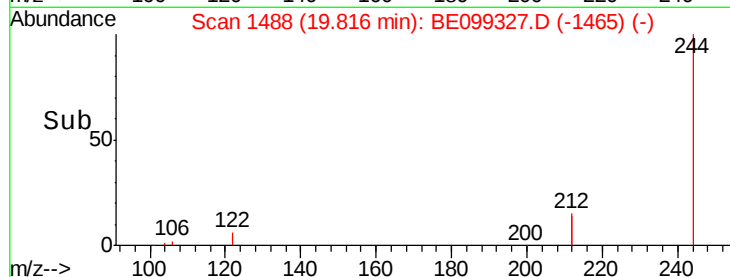
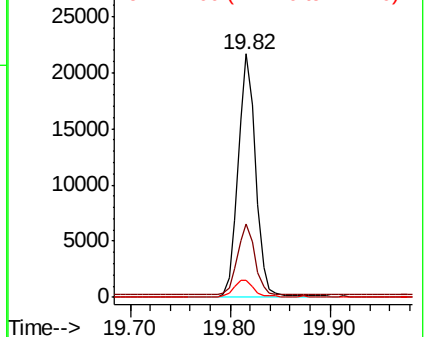
244 100

212 30.0 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: 0.426 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.02 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

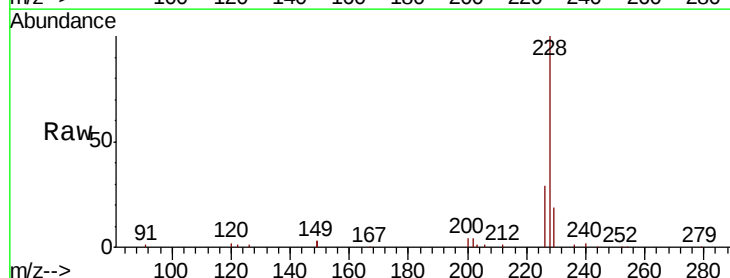
Tgt Ion:228 Resp: 43179

Ion Ratio Lower Upper

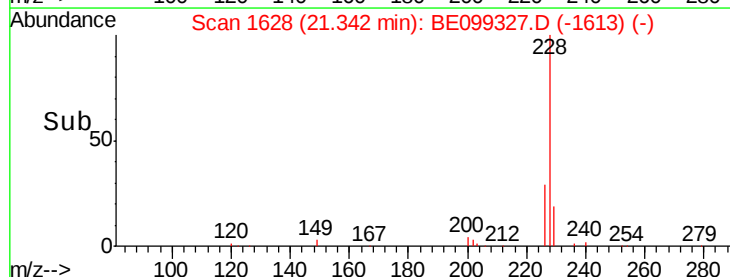
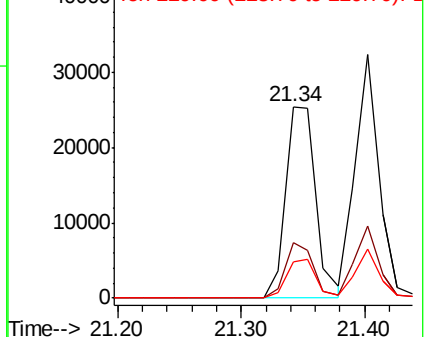
228 100

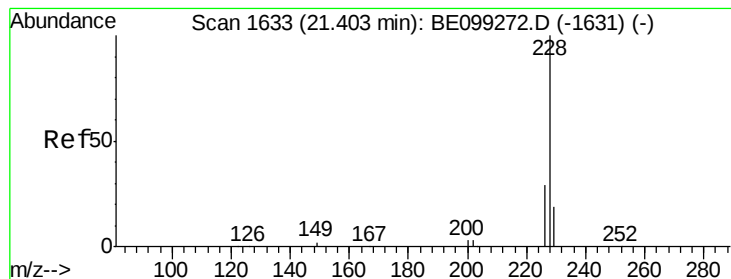
226 29.3 21.7 32.5

229 18.9 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: 0.434 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :

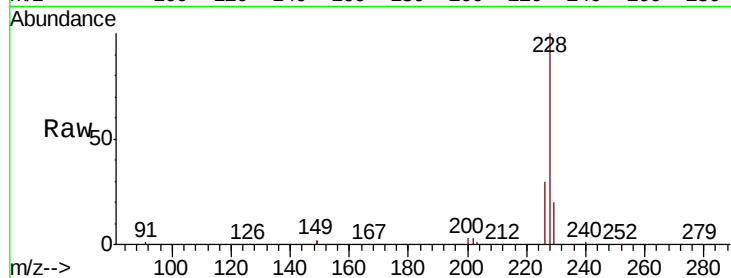
Tot Ion:228 Resp: 43121

Ion Ratio Lower Upper

228 100

226 29.9 24.8 37.2

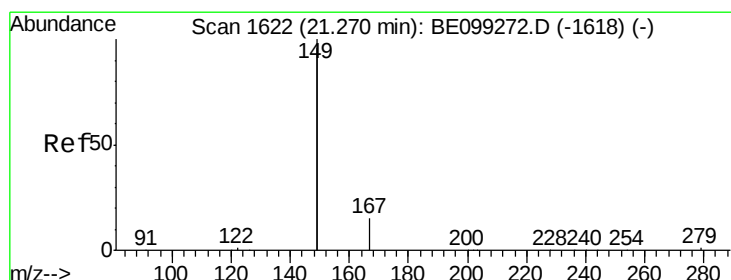
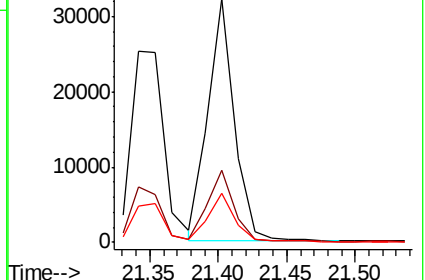
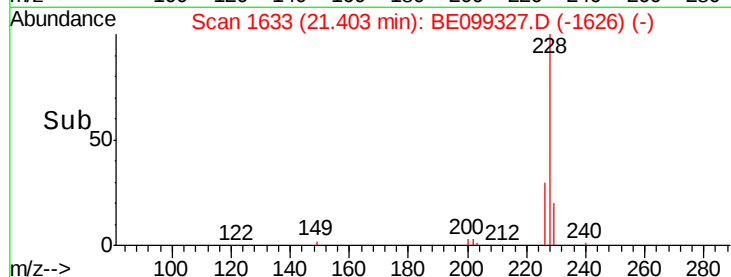
229 20.0 15.4 23.0



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# 1622

Delta R.T. -0.02 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

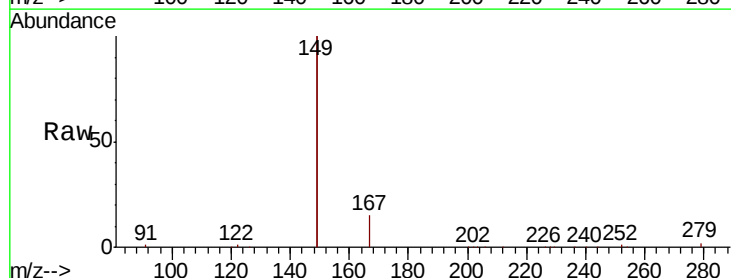
Tgt Ion:149 Resp: 57982

Ion Ratio Lower Upper

149 100

167 7.3 5.9 8.9

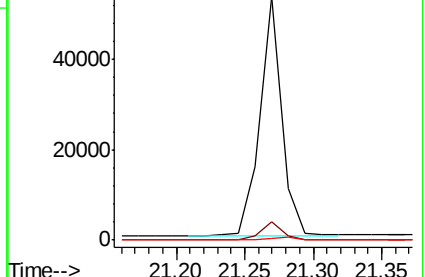
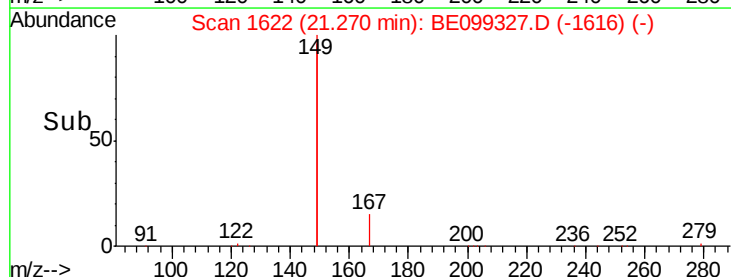
279 1.2 1.0 1.6

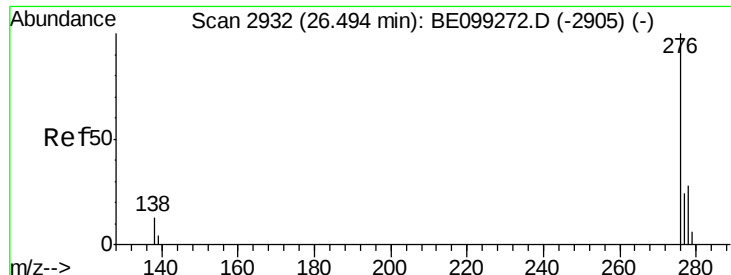


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.394 ng

RT: 26.51 min Scan# 2935

Delta R.T. -0.05 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :

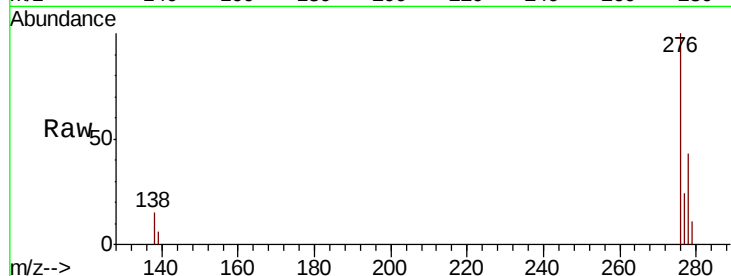
Tot Ion:276 Resp: 44819

Ion Ratio Lower Upper

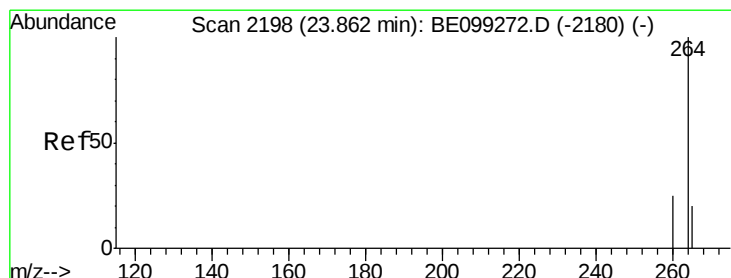
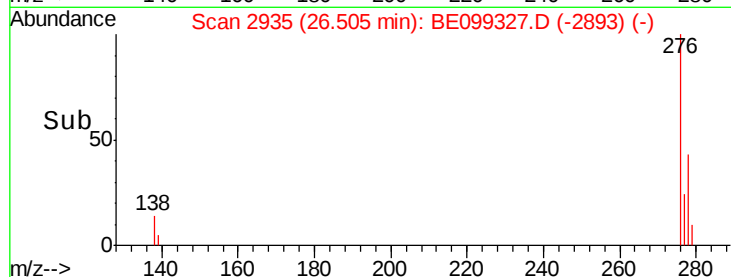
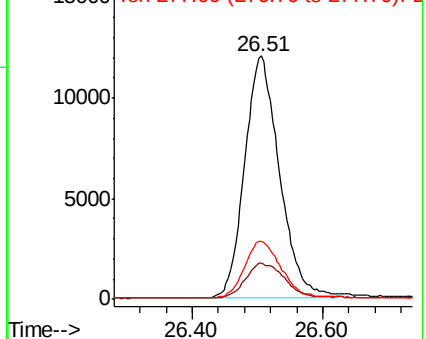
276 100

138 16.0 12.9 19.3

277 24.2 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# 2199

Delta R.T. -0.03 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

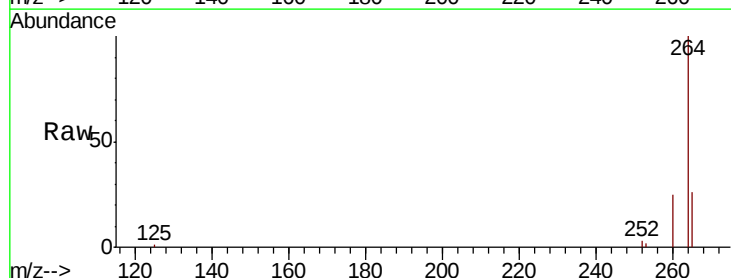
Tgt Ion:264 Resp: 32519

Ion Ratio Lower Upper

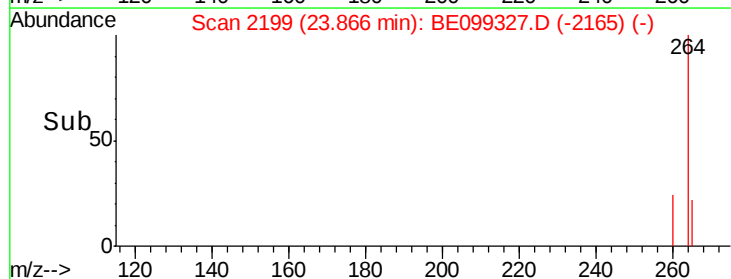
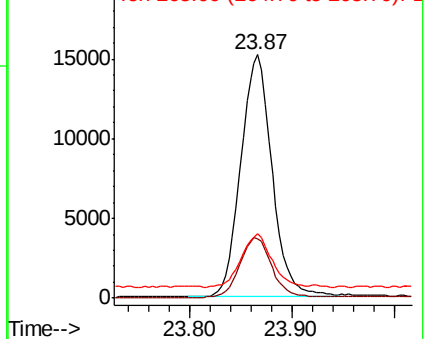
264 100

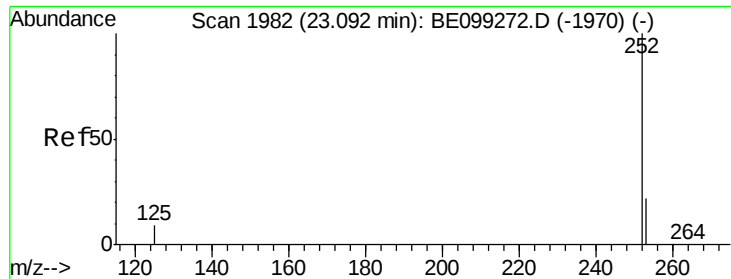
260 24.5 18.2 27.2

265 26.4 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: 0.451 ng

RT: 23.14 min Scan# 1996

Delta R.T. 0.02 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :

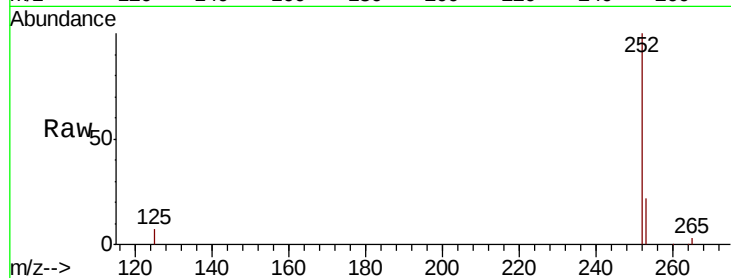
Tot Ion:252 Resp: 43720

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

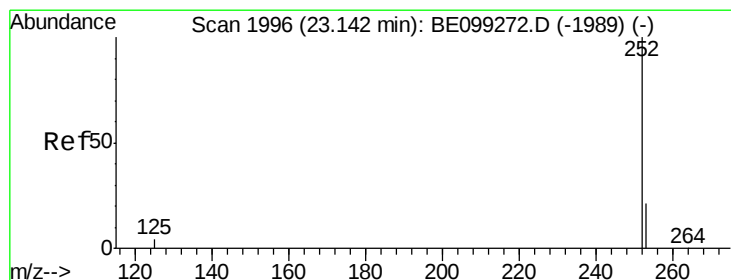
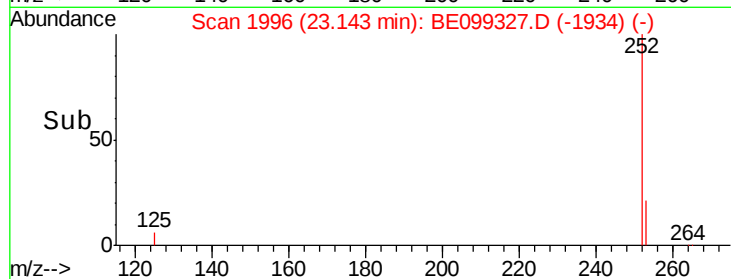
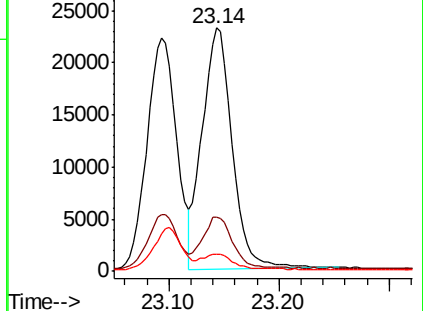
125 7.2 6.1 9.1



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: 0.463 ng

RT: 23.14 min Scan# 1996

Delta R.T. -0.03 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

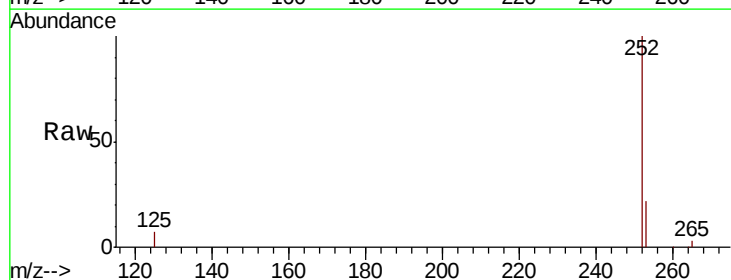
Tgt Ion:252 Resp: 43720

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

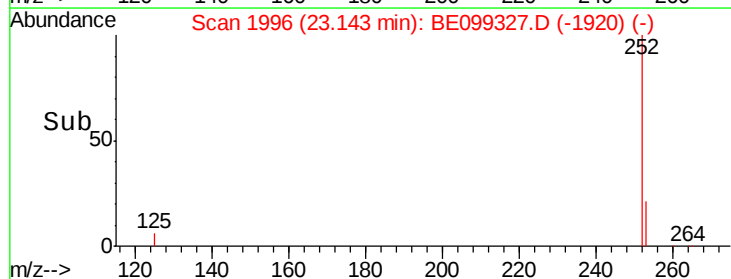
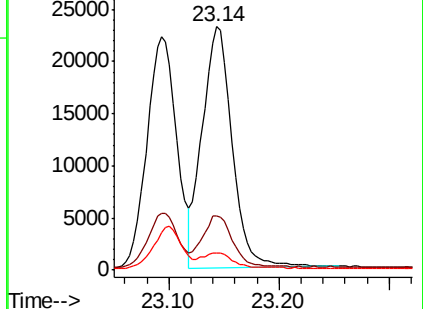
125 7.2 5.9 8.9

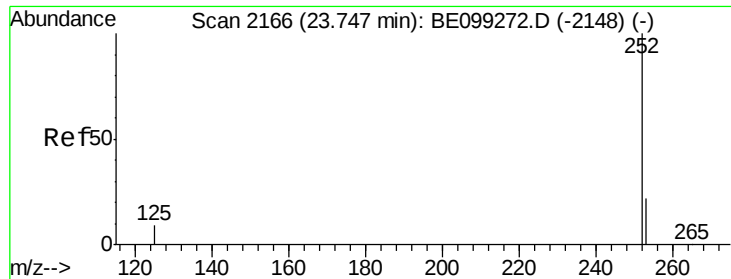


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.442 ng

RT: 23.75 min Scan# 2167

Delta R.T. -0.03 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :

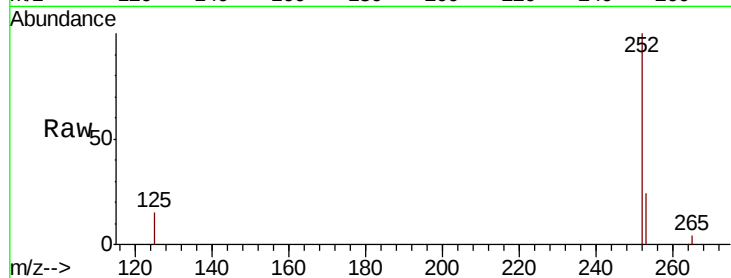
Tot Ion:252 Resp: 40288

Ion Ratio Lower Upper

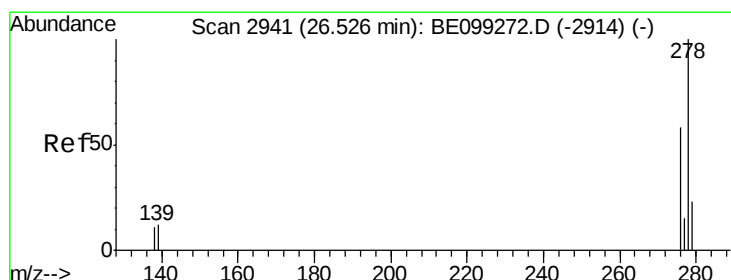
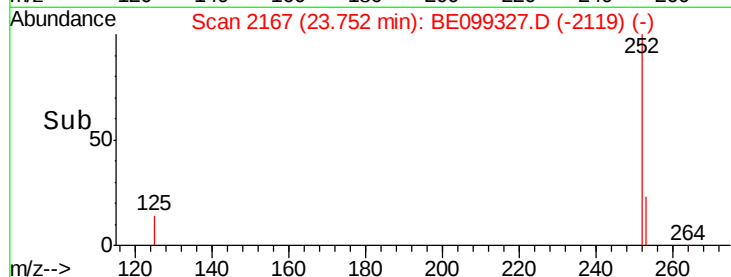
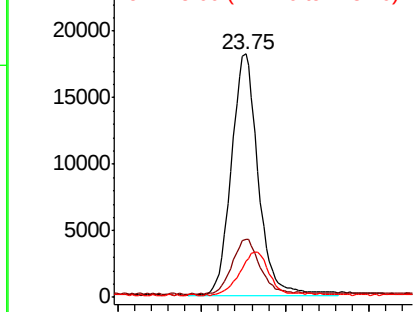
252 100

253 24.1 18.1 27.1

125 15.0 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: 0.414 ng

RT: 26.53 min Scan# 2943

Delta R.T. -0.05 min

Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

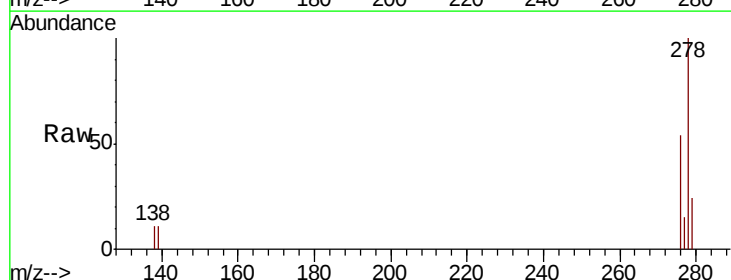
Tgt Ion:278 Resp: 37541

Ion Ratio Lower Upper

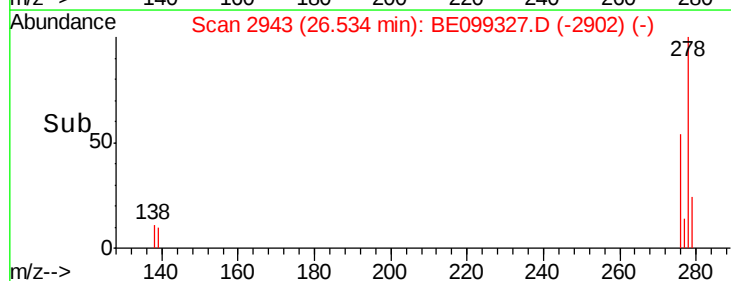
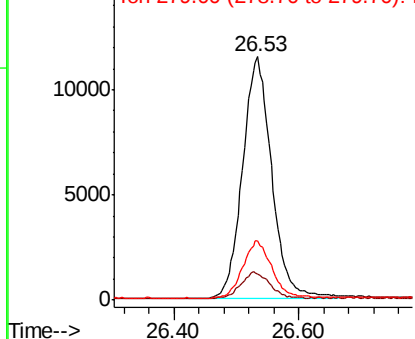
278 100

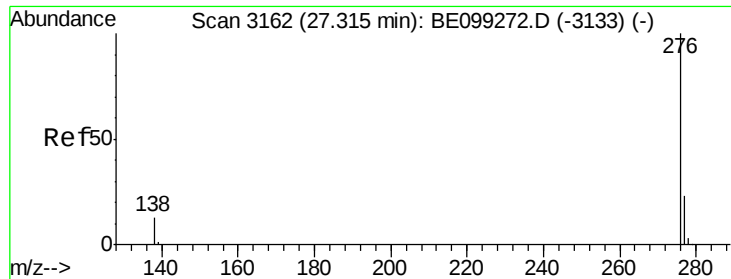
139 10.8 9.5 14.3

279 24.2 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: 0.420 ng

RT: 27.32 min Scan# 3162

Delta R.T. -0.06 min

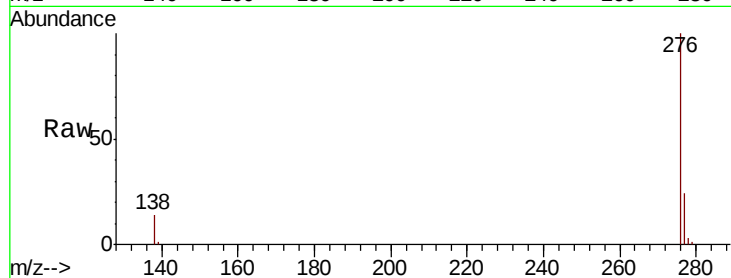
Lab File: BE099327.D

Acq: 15 Apr 2019 15:53

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 37951

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 14.0 11.1 16.7

