

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
 Data File : BE099362.D
 Acq On : 25 Apr 2019 15:38
 Operator : JU/SJ
 Sample : K2534-04MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 26 00:42:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 06:51:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	3716	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	14379	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	10465	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	30339	0.40	ng	0.00
27) Chrysene-d12	21.37	240	34155	0.40	ng	0.00
34) Perylene-d12	23.86	264	38765	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	3700	0.41	ng	0.01
5) Phenol-d6	6.97	99	5055	0.39	ng	0.00
8) Nitrobenzene-d5	8.97	82	4403	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	11169	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	2110	0.61	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	11905	0.29	ng	0.00
25) Fluoranthene-d10	19.22	212	120685	0.33	ng	0.00
29) Terphenyl-d14	19.82	244	20784	0.31	ng	0.00

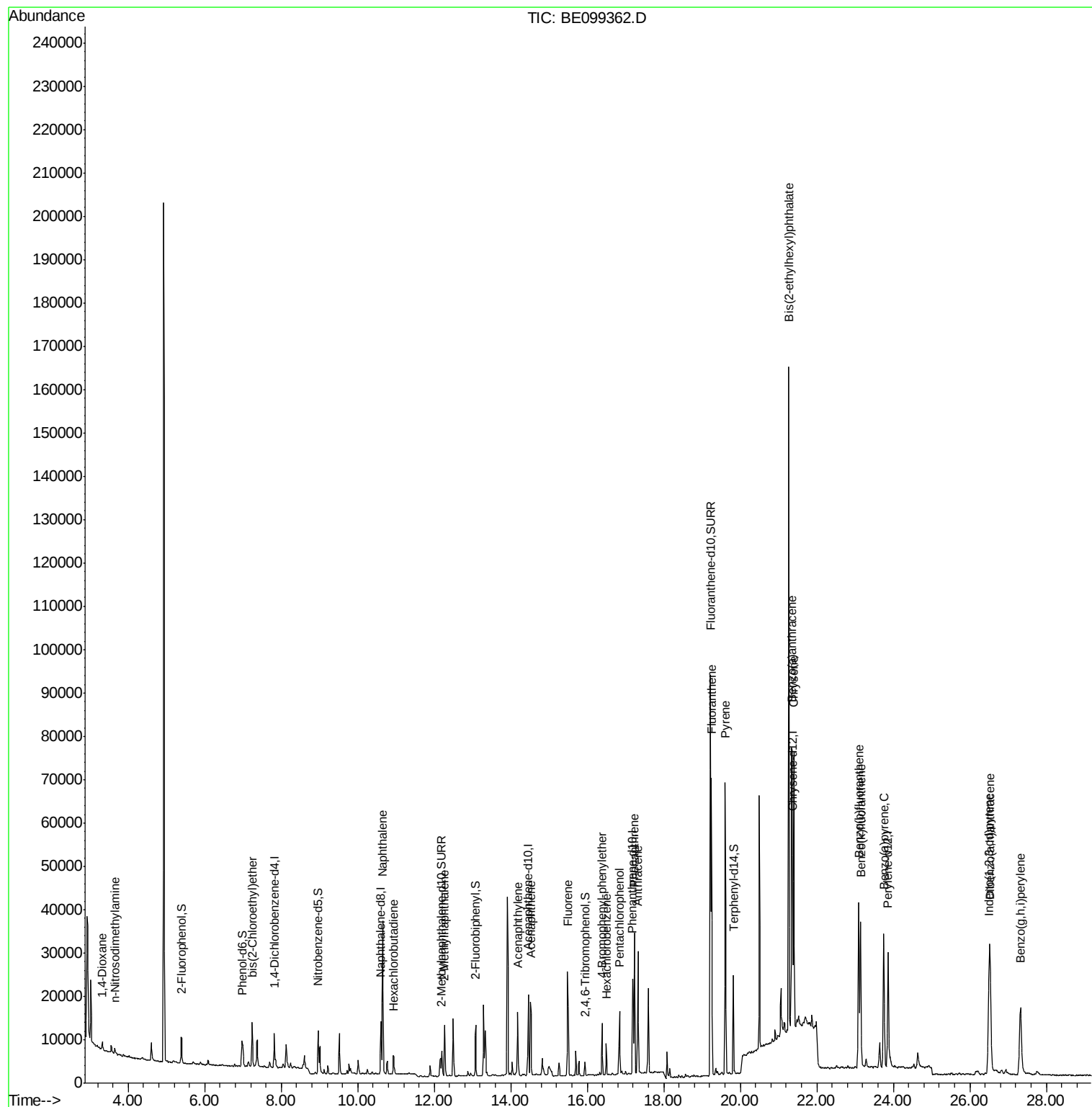
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	1281	0.246	ng	# 40
3) n-Nitrosodimethylamine	3.65	42	1019	0.364	ng	# 96
6) bis(2-Chloroethyl)ether	7.24	93	3932	0.325	ng	94
9) Naphthalene	10.65	128	54146	0.345	ng	100
10) Hexachlorobutadiene	10.93	225	3250	0.326	ng	97
12) 2-Methylnaphthalene	12.27	142	9488	0.355	ng	96
16) Acenaphthylene	14.18	152	17391	0.368	ng	99
17) Acenaphthene	14.51	154	9788	0.336	ng	96
18) Fluorene	15.49	166	14706	0.351	ng	99
20) 4-Bromophenyl-phenylether	16.38	248	5841	0.347	ng	# 94
21) Hexachlorobenzene	16.49	284	5481	0.339	ng	100
22) Pentachlorophenol	16.84	266	7114	1.311	ng	95
23) Phenanthrene	17.23	178	36231	0.451	ng	99
24) Anthracene	17.32	178	28388	0.397	ng	99
26) Fluoranthene	19.25	202	62702	0.583	ng	99
28) Pyrene	19.61	202	63205	0.628	ng	97
30) Benzo(a)anthracene	21.34	228	60415	0.602	ng	98
31) Chrysene	21.40	228	54087	0.506	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	174917	1.914	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	54041	0.512	ng	97
35) Benzo(b)fluoranthene	23.09	252	57199	0.482	ng	# 94
36) Benzo(k)fluoranthene	23.14	252	50024	0.423	ng	# 95
37) Benzo(a)pyrene	23.75	252	51481	0.484	ng	95
38) Dibenzo(a,h)anthracene	26.53	278	39215	0.361	ng	98
39) Benzo(g,h,i)perylene	27.32	276	45861	0.416	ng	98

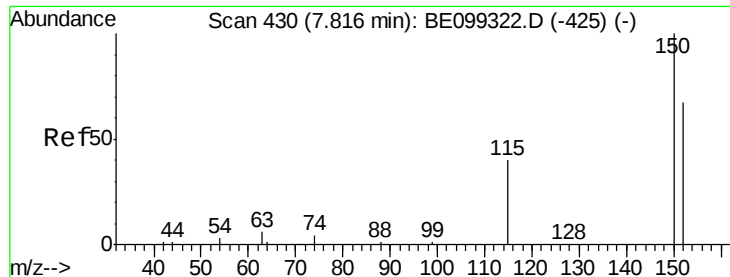
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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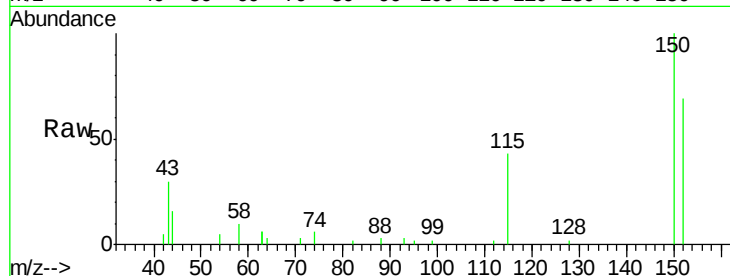


#1

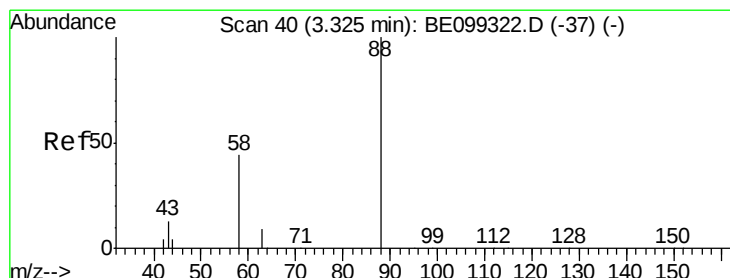
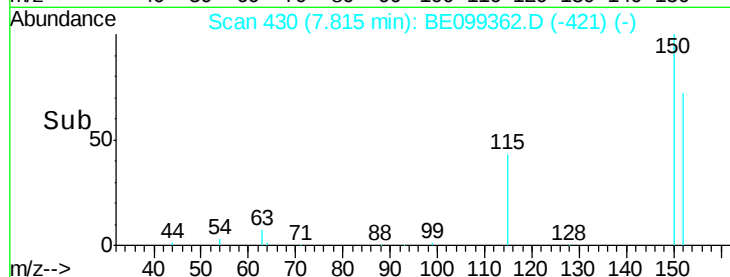
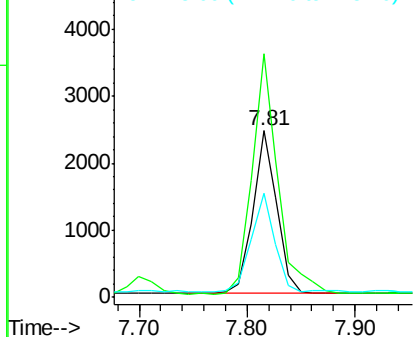
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099362.D
Acq: 25 Apr 2019 15:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3716
Ion Ratio Lower Upper
152 100
150 146.0 119.5 179.3
115 62.4 47.5 71.3



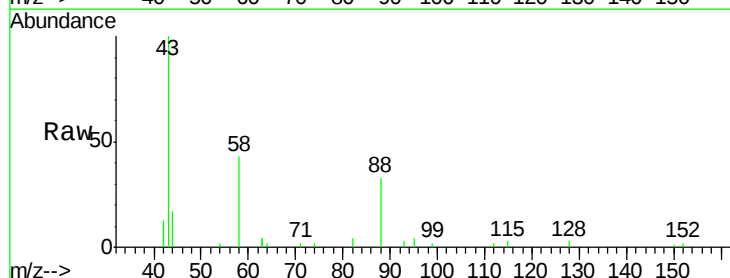
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



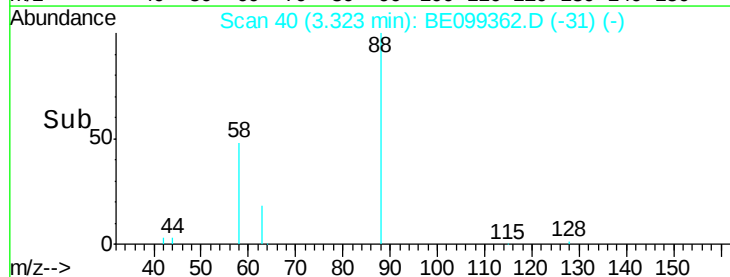
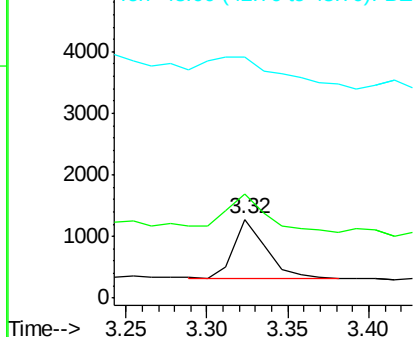
#2

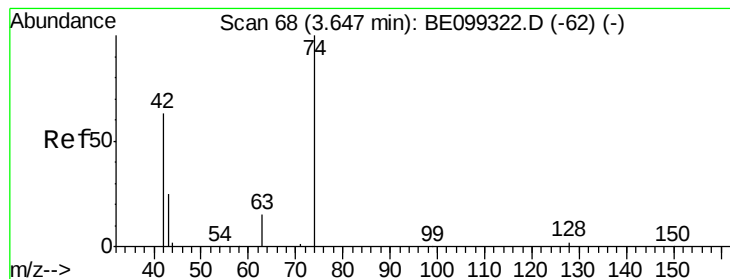
1,4-Dioxane
Concen: 0.246 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.00 min
Lab File: BE099362.D
Acq: 25 Apr 2019 15:38

Tgt Ion: 88 Resp: 1281
Ion Ratio Lower Upper
88 100
58 83.4 49.1 73.7#
43 93.0 17.9 26.9#



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: 0.364 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampled :

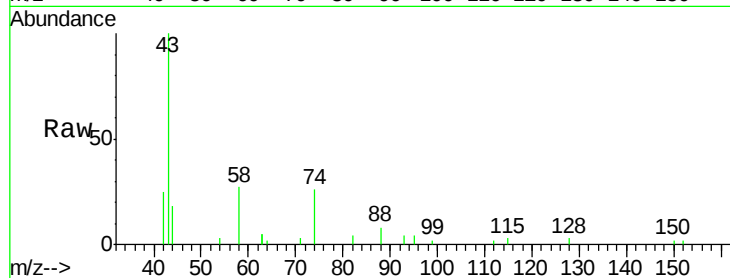
Tot Ion: 42 Resp: 1019

Ion Ratio Lower Upper

42 100

74 178.5 145.8 218.8

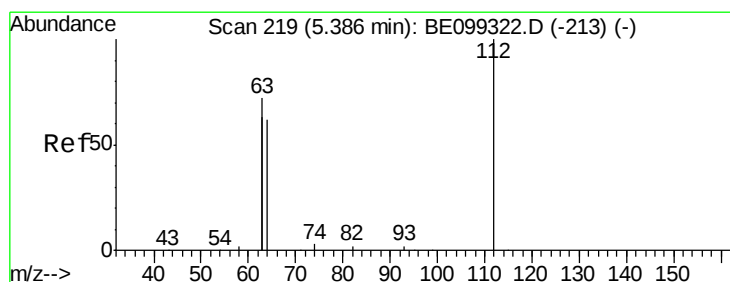
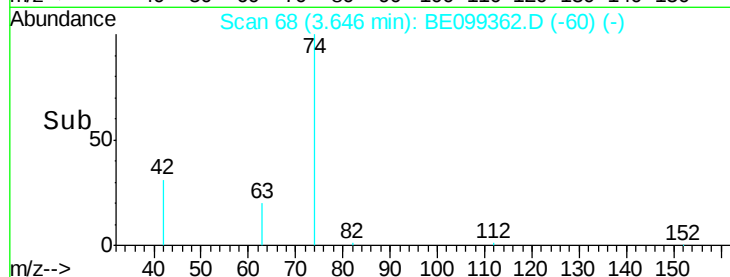
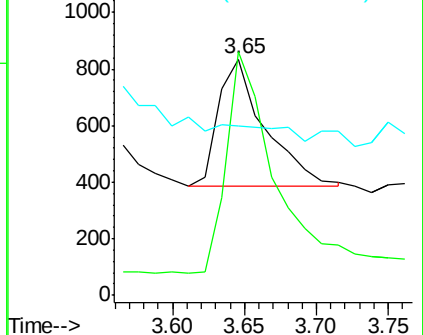
44 0.0 9.0 13.4#



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: 0.407 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

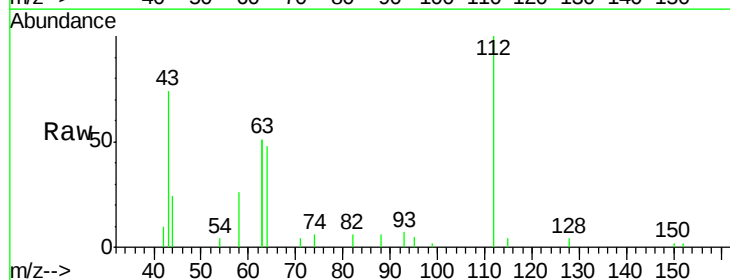
Tgt Ion: 112 Resp: 3700

Ion Ratio Lower Upper

112 100

64 57.9 44.9 67.3

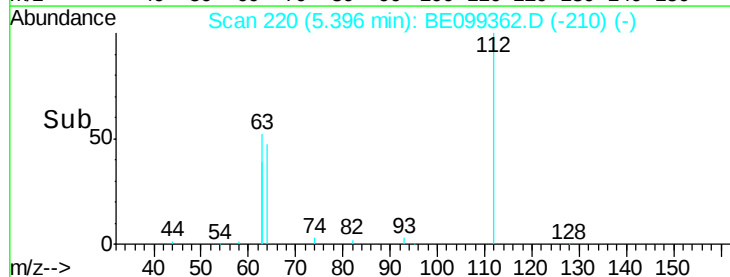
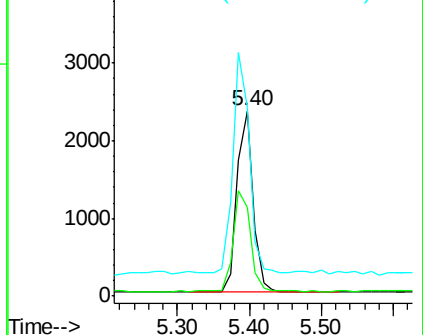
63 120.1 97.4 146.0

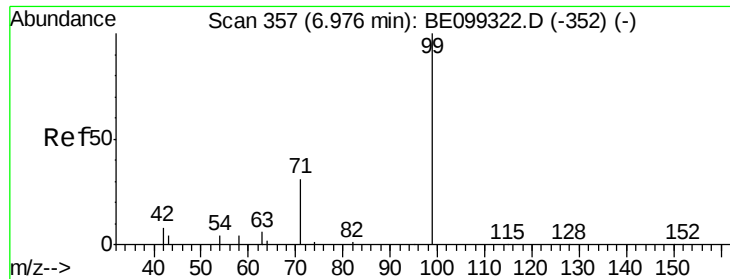


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.390 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :

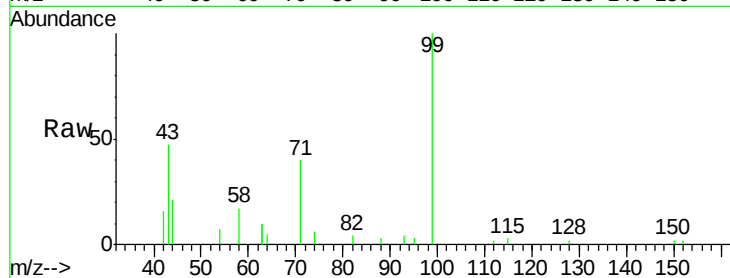
Tot Ion: 99 Resp: 5055

Ion Ratio Lower Upper

99 100

42 16.9 11.7 17.5

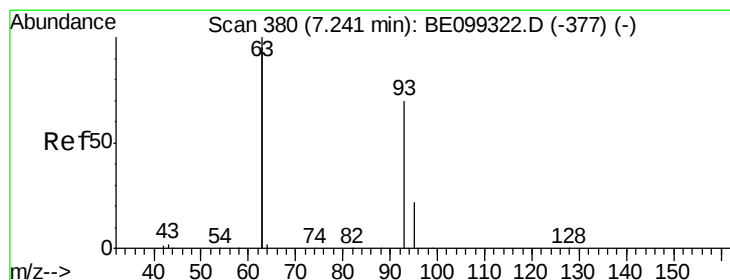
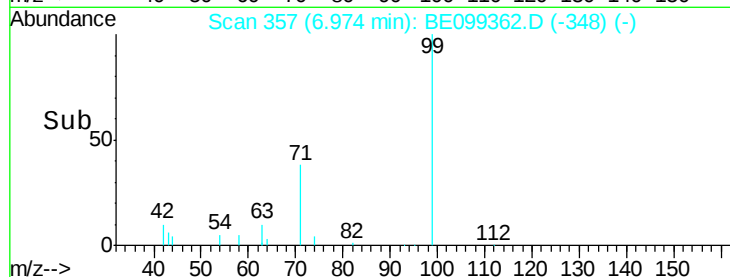
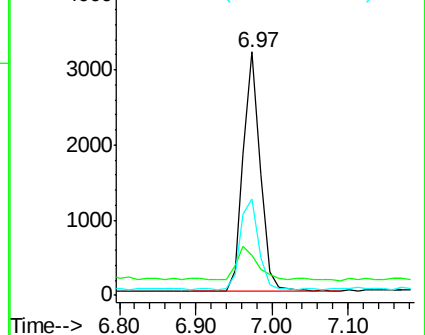
71 40.2 29.6 44.4



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: 0.325 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

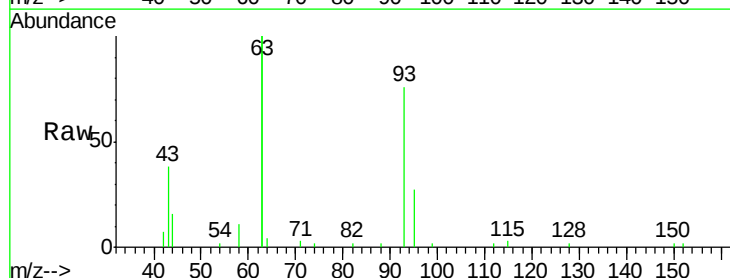
Tgt Ion: 93 Resp: 3932

Ion Ratio Lower Upper

93 100

63 282.5 216.6 324.8

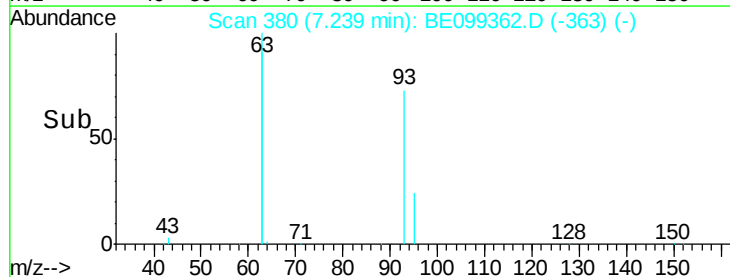
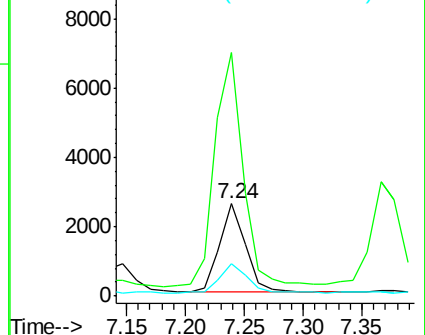
95 34.5 25.8 38.6

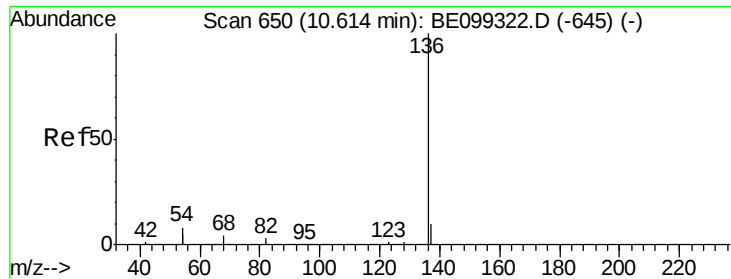


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 14379

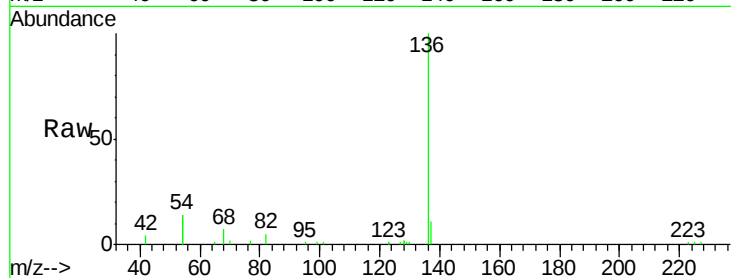
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 27.8 23.8 35.8

68 6.7 6.4 9.6

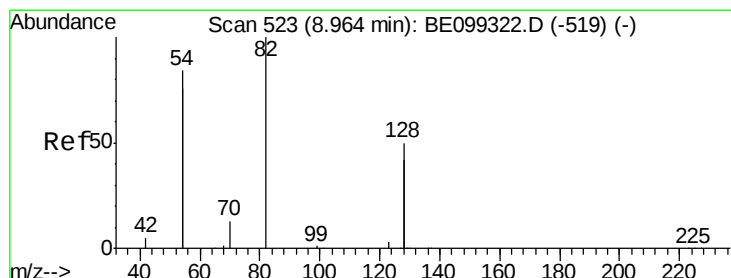
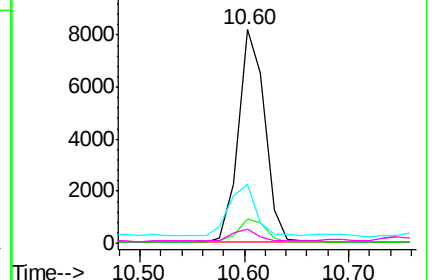
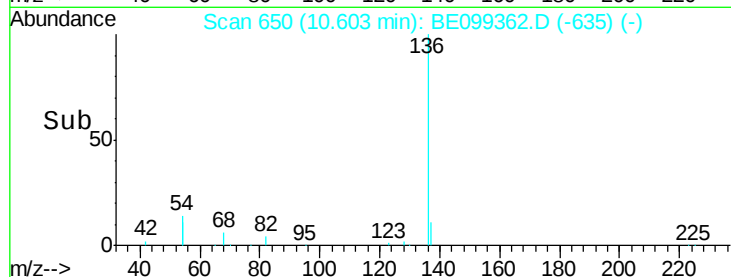


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.394 ng

RT: 8.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

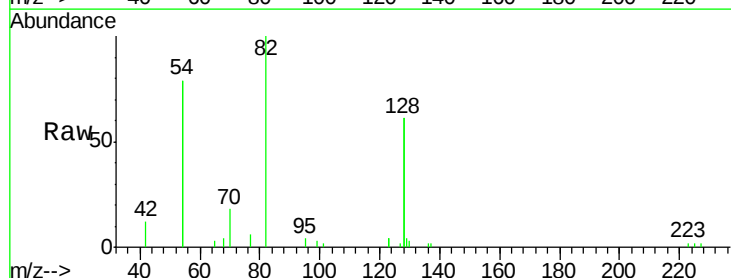
Tgt Ion: 82 Resp: 4403

Ion Ratio Lower Upper

82 100

128 122.9 91.7 137.5

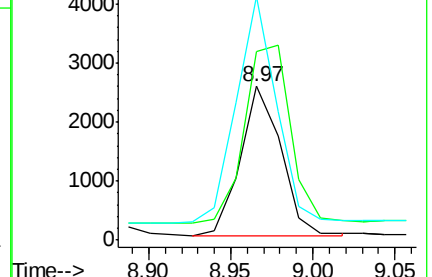
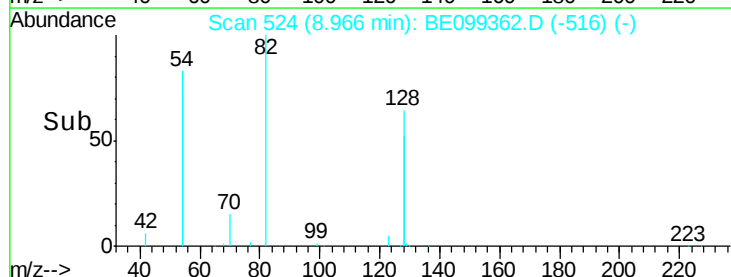
54 158.4 122.8 184.2

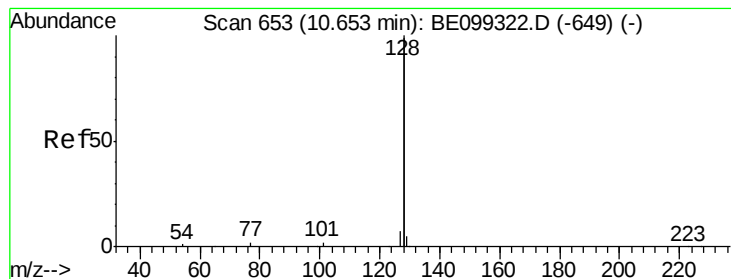


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.345 ng

RT: 10.65 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :

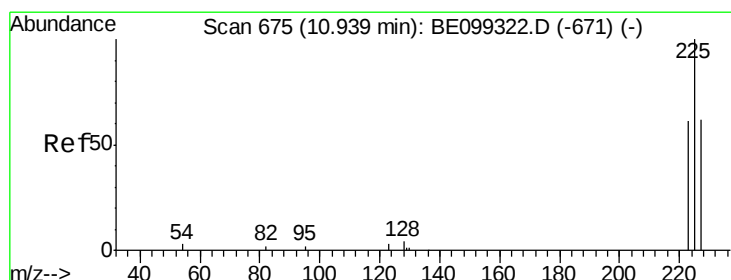
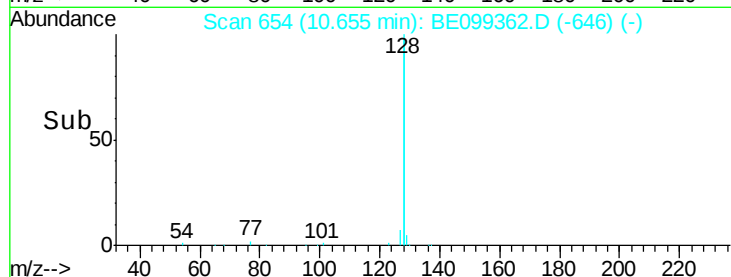
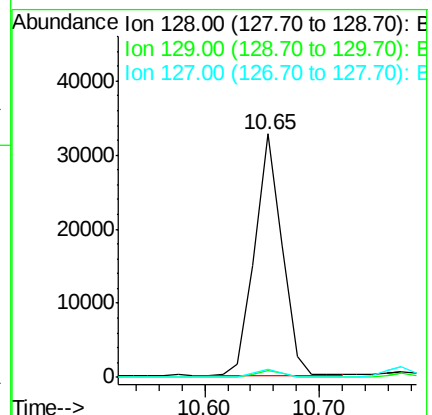
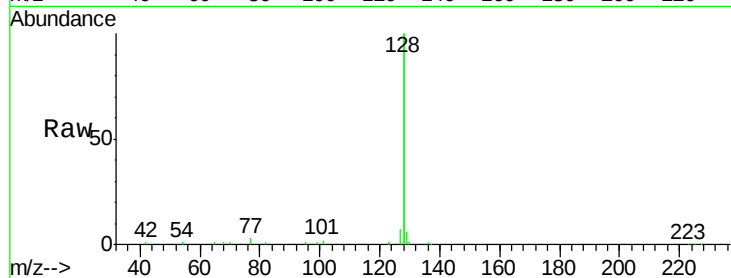
Tot Ion:128 Resp: 54146

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

127 3.5 2.8 4.2



#10

Hexachlorobutadiene

Concen: 0.326 ng

RT: 10.93 min Scan# 675

Delta R.T. -0.01 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

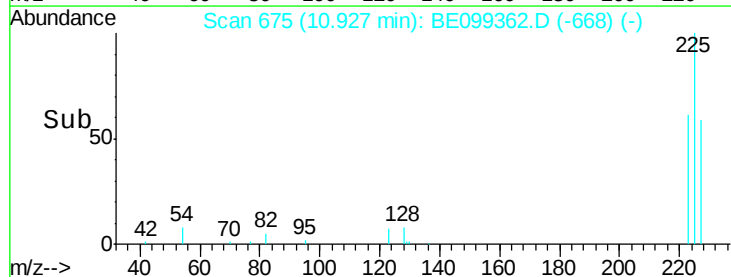
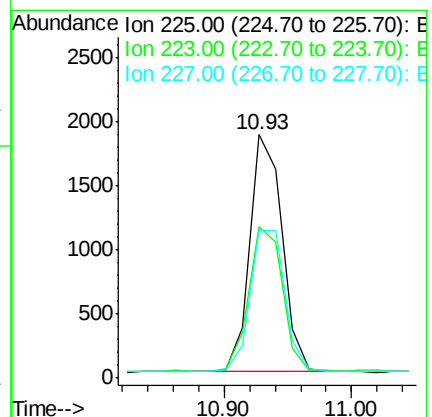
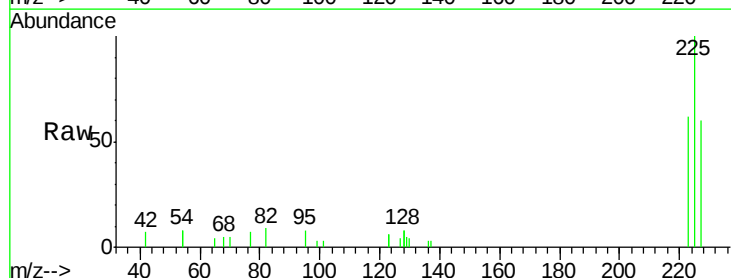
Tgt Ion:225 Resp: 3250

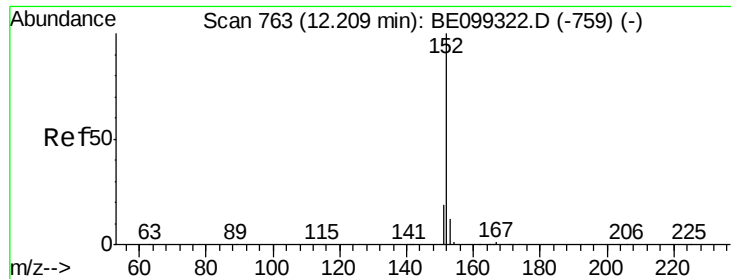
Ion Ratio Lower Upper

225 100

223 63.8 50.3 75.5

227 64.9 49.4 74.0

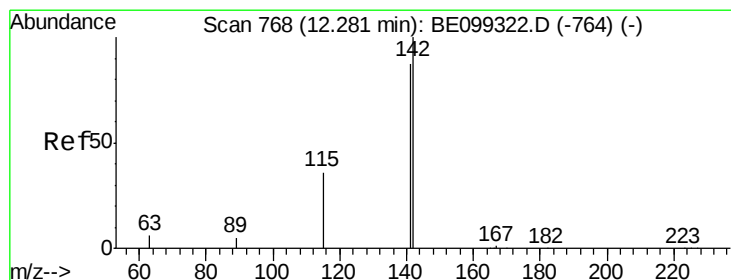
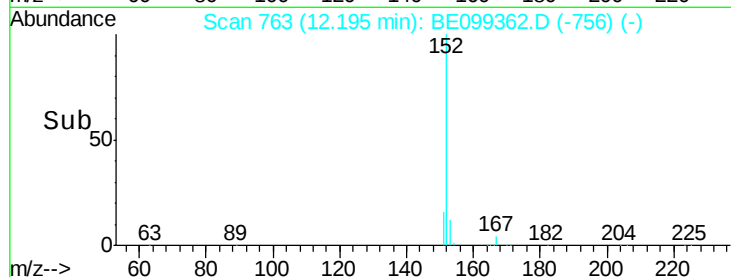
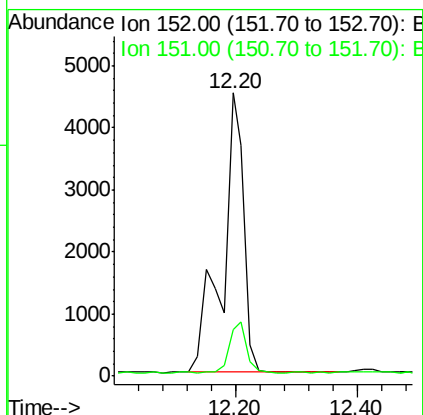
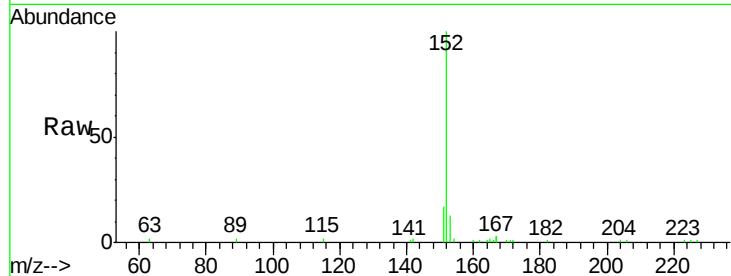




#11
 2-Methylnaphthalene-d10
 Concen: 0.440 ng
 RT: 12.20 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BE099362.D
 Acq: 25 Apr 2019 15:38

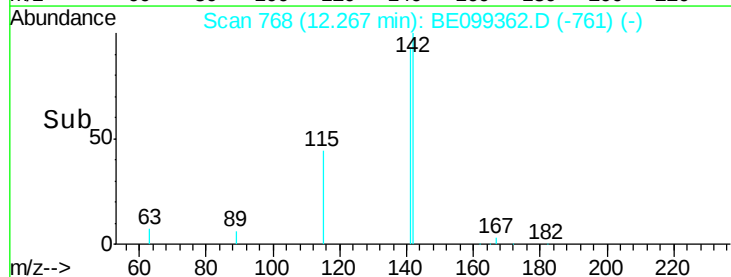
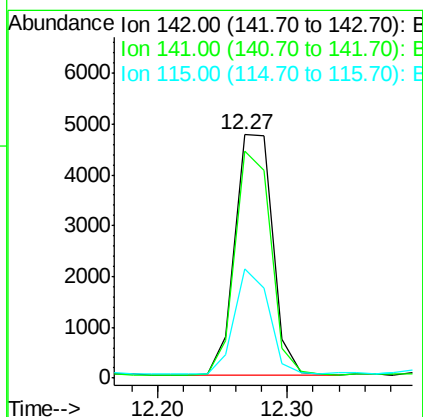
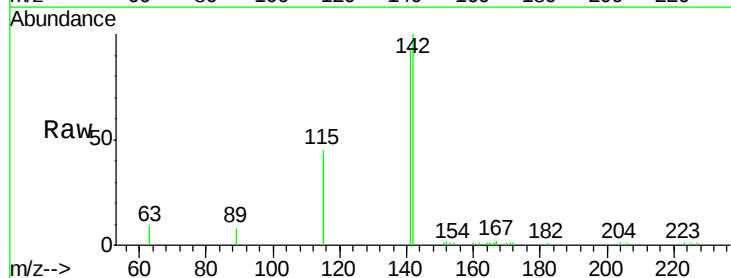
Instrument :
 BNA_E
 ClientSampled :

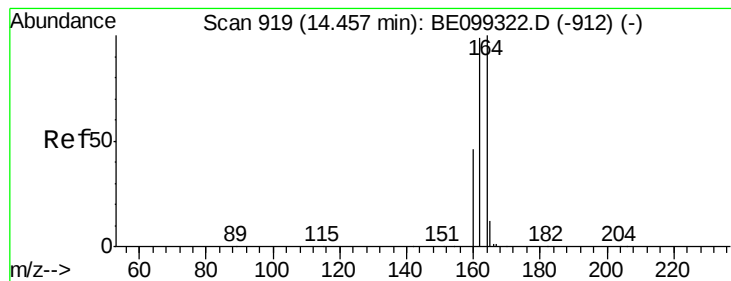
Tot Ion:152 Resp: 11169
 Ion Ratio Lower Upper
 152 100
 151 14.8 14.9 22.3#



#12
 2-Methylnaphthalene
 Concen: 0.355 ng
 RT: 12.27 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BE099362.D
 Acq: 25 Apr 2019 15:38

Tgt Ion:142 Resp: 9488
 Ion Ratio Lower Upper
 142 100
 141 93.2 72.0 108.0
 115 45.0 33.4 50.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :

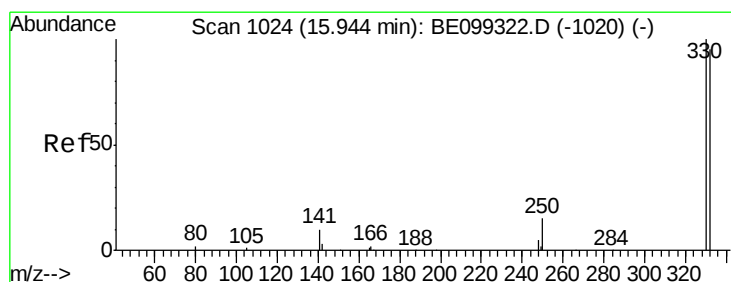
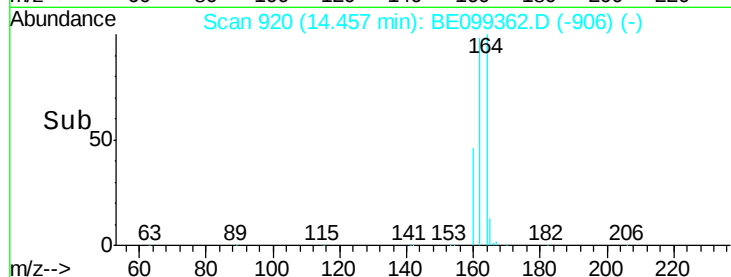
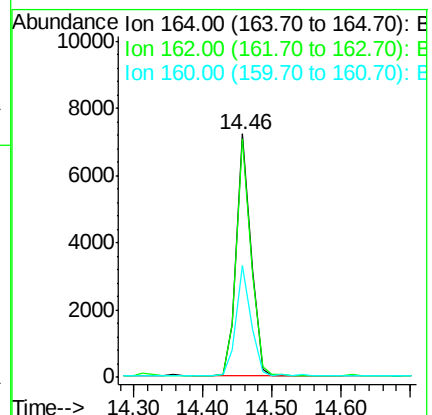
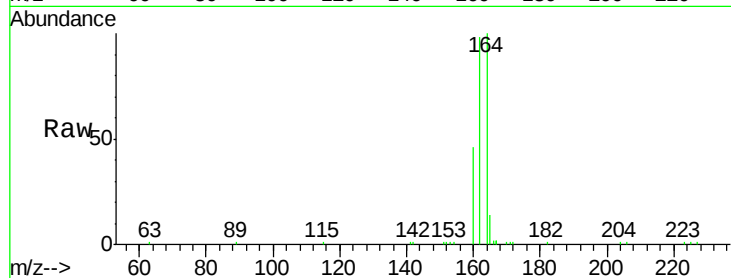
Tot Ion:164 Resp: 10465

Ion Ratio Lower Upper

164 100

162 97.8 77.8 116.6

160 46.1 37.1 55.7



#14

2,4,6-Tribromophenol

Concen: 0.607 ng

RT: 15.94 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

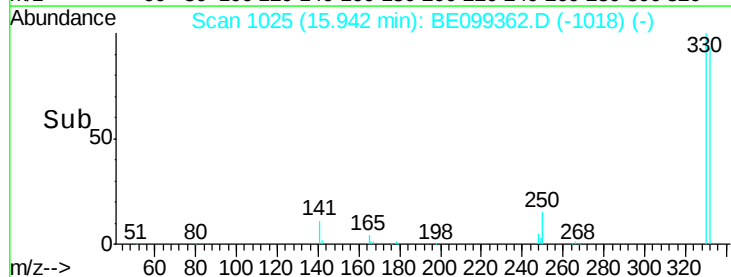
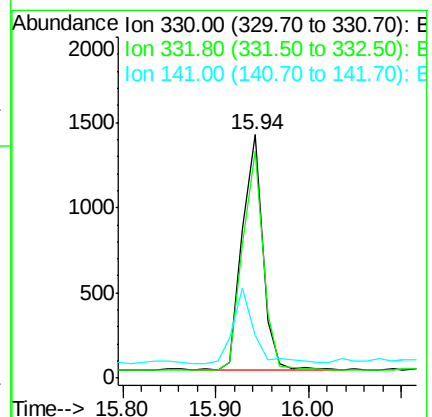
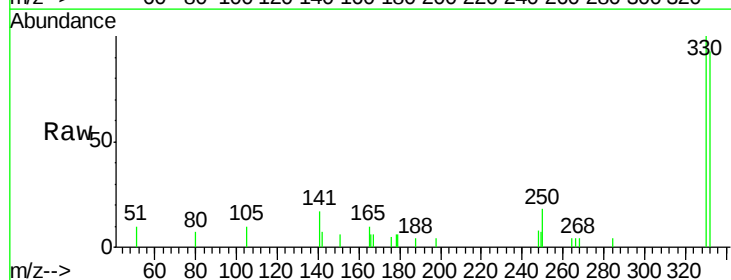
Tgt Ion:330 Resp: 2110

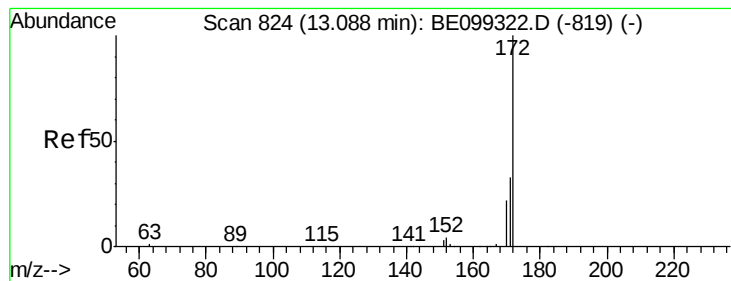
Ion Ratio Lower Upper

330 100

332 93.9 82.5 123.7

141 33.7 24.9 37.3

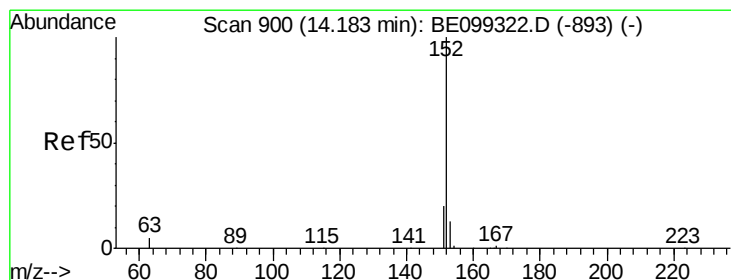
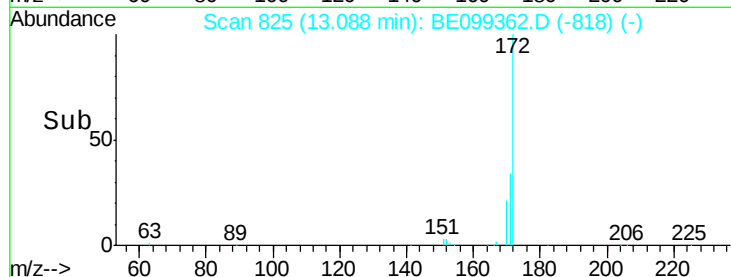
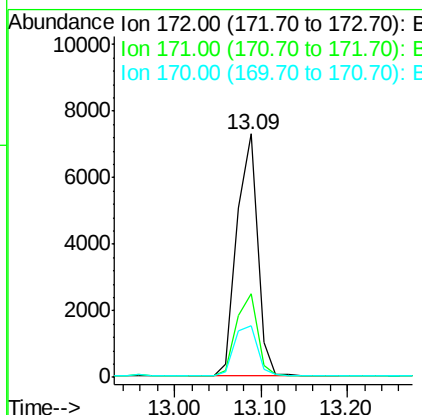
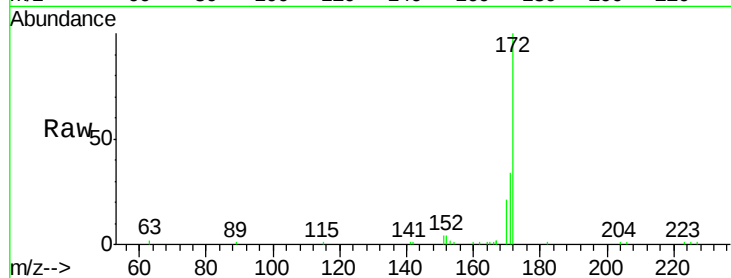




#15
2-Fluorobiphenyl
Concen: 0.289 ng
RT: 13.09 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099362.D
Acq: 25 Apr 2019 15:38

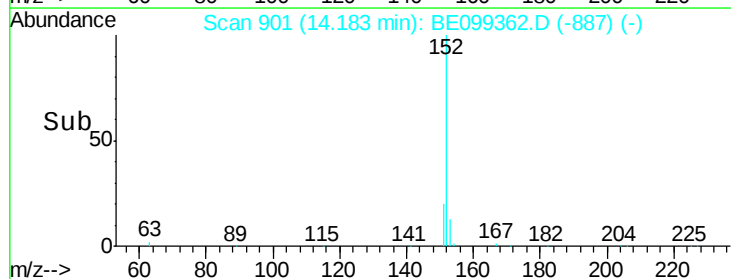
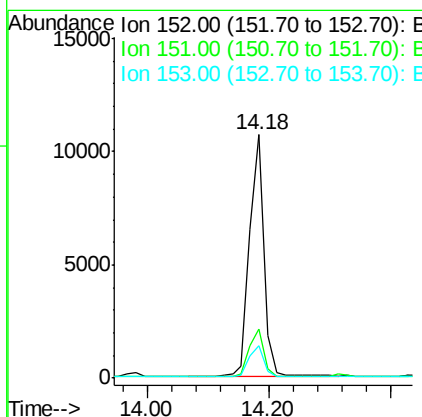
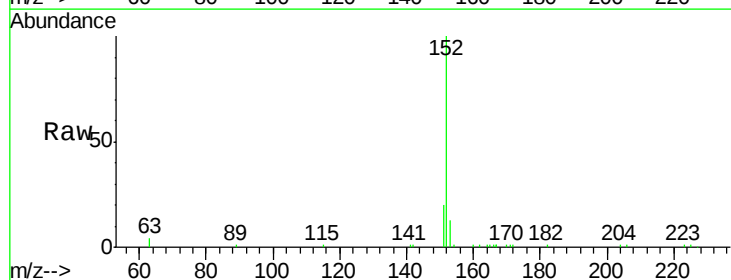
Instrument :
BNA_E
ClientSampled :

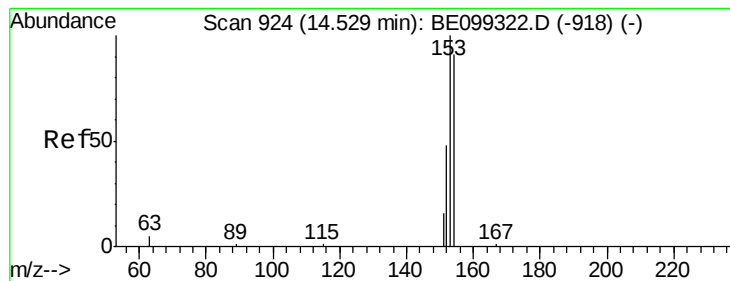
Tot Ion:172 Resp: 11905
Ion Ratio Lower Upper
172 100
171 34.4 26.2 39.2
170 21.2 18.1 27.1



#16
Acenaphthylene
Concen: 0.368 ng
RT: 14.18 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099362.D
Acq: 25 Apr 2019 15:38

Tgt Ion:152 Resp: 17391
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 13.5 10.2 15.4





#17

Acenaphthene

Concen: 0.336 ng

RT: 14.51 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :

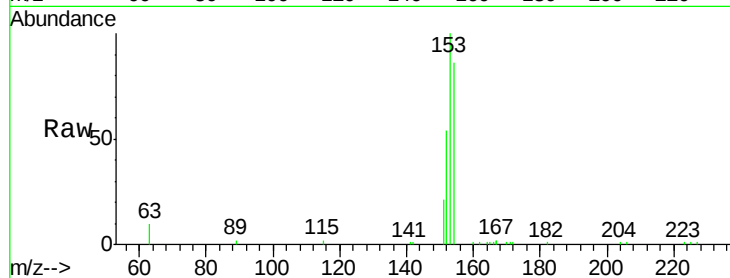
Tot Ion:154 Resp: 9788

Ion Ratio Lower Upper

154 100

153 113.7 94.7 142.1

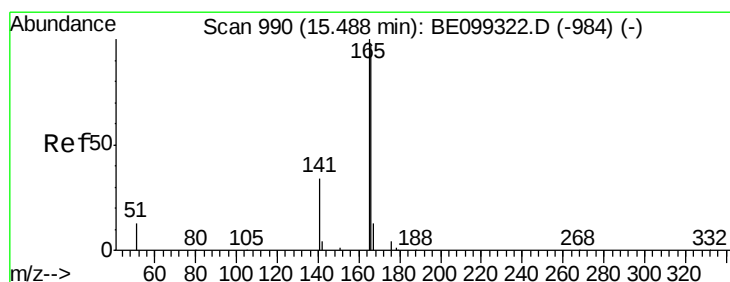
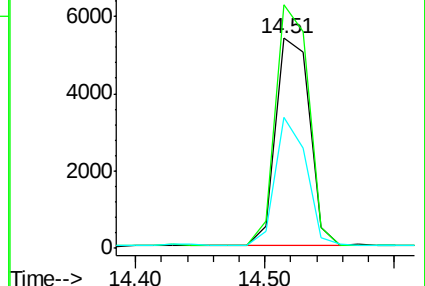
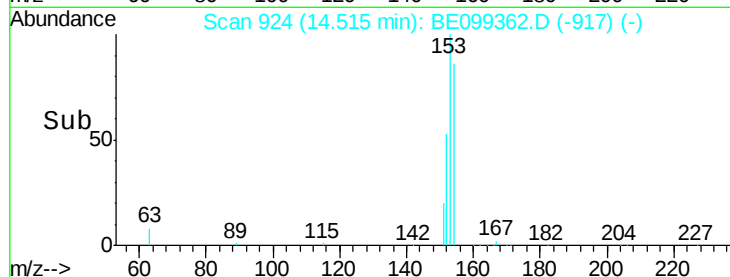
152 56.2 46.4 69.6



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: 0.351 ng

RT: 15.49 min Scan# 991

Delta R.T. -0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

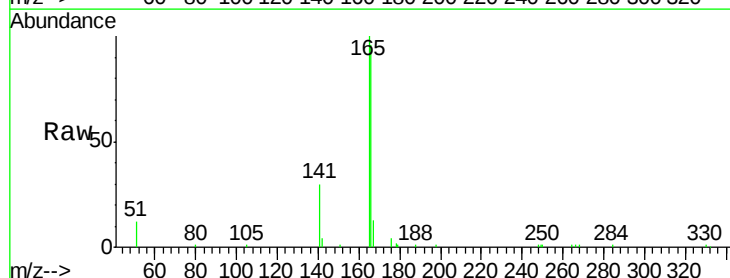
Tgt Ion:166 Resp: 14706

Ion Ratio Lower Upper

166 100

165 98.5 79.7 119.5

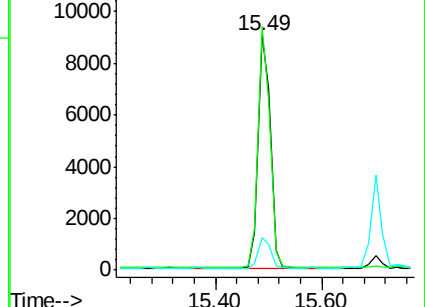
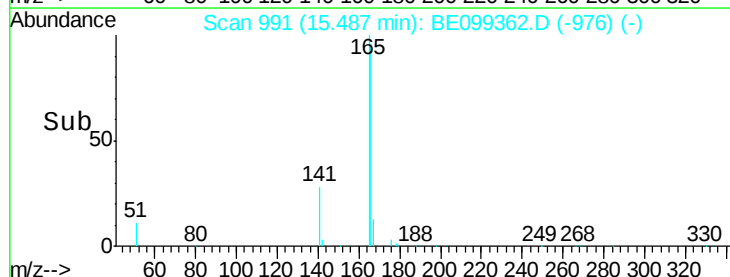
167 13.7 11.0 16.4

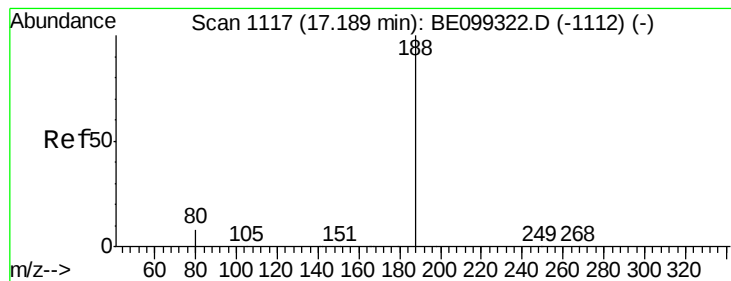


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1118

Delta R.T. -0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :

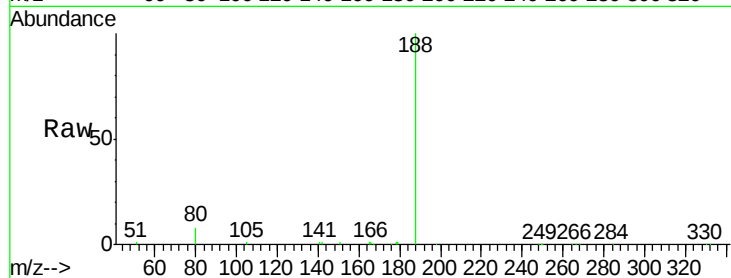
Tot Ion:188 Resp: 30339

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

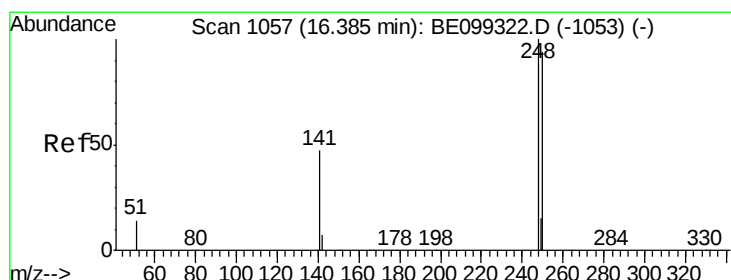
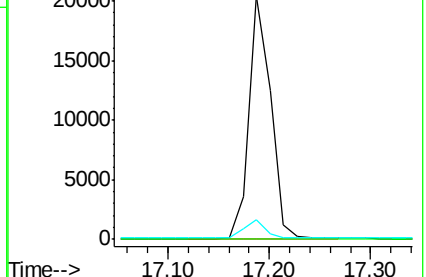
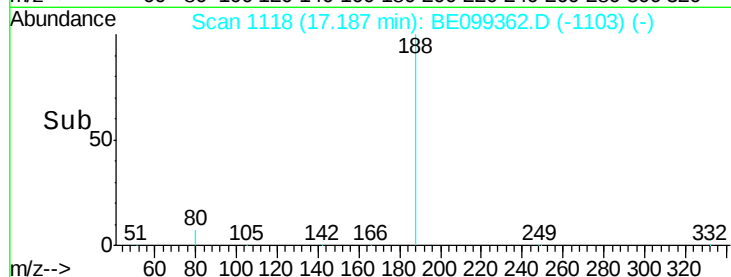
80 8.0 6.2 9.4



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: 0.347 ng

RT: 16.38 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

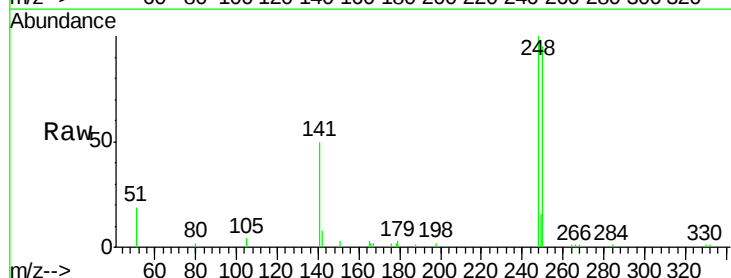
Tgt Ion:248 Resp: 5841

Ion Ratio Lower Upper

248 100

250 94.9 77.0 115.6

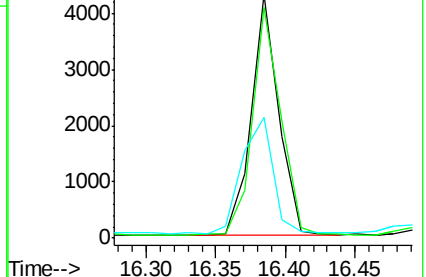
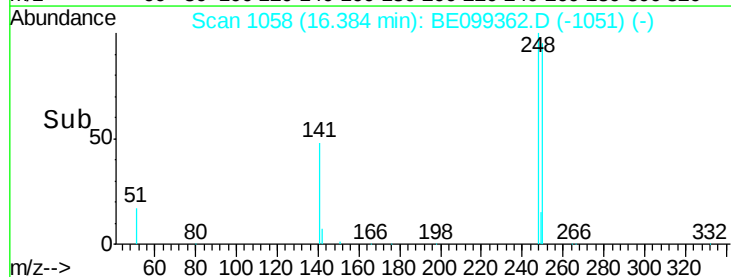
141 49.7 31.1 46.7#

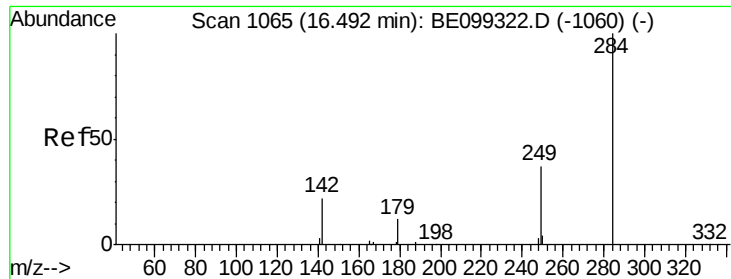


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.339 ng

RT: 16.49 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :

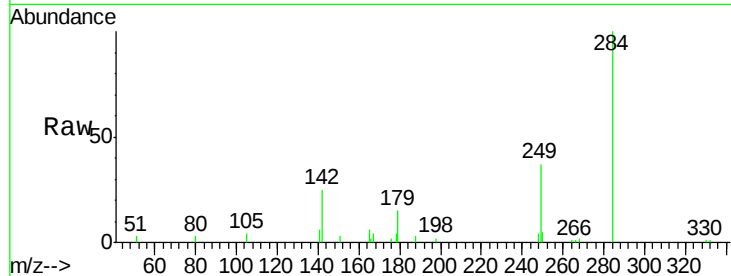
Tot Ion:284 Resp: 5481

Ion Ratio Lower Upper

284 100

142 27.6 21.8 32.6

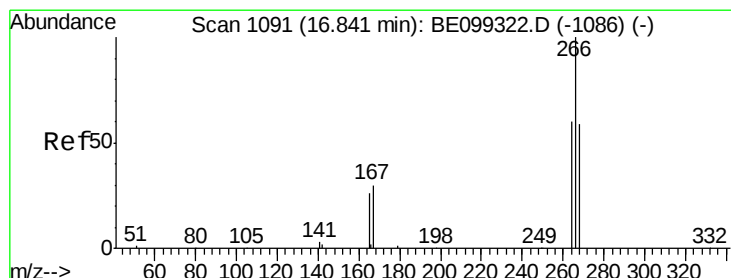
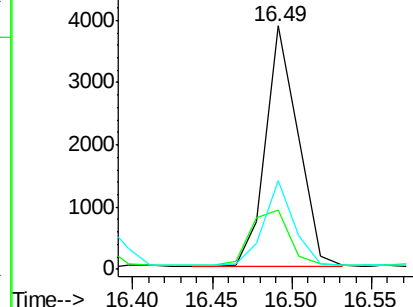
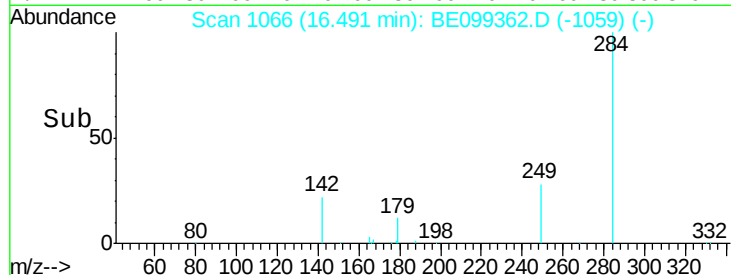
249 32.9 26.2 39.4



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: 1.311 ng

RT: 16.84 min Scan# 1092

Delta R.T. -0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

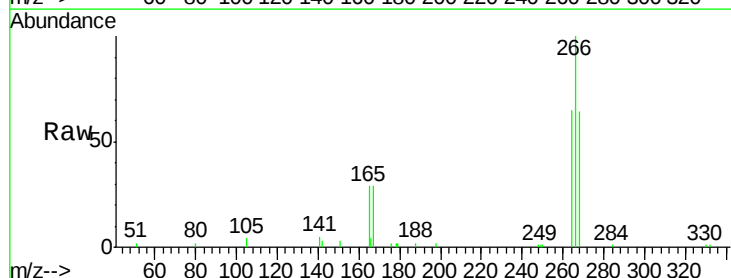
Tgt Ion:266 Resp: 7114

Ion Ratio Lower Upper

266 100

264 64.5 54.5 81.7

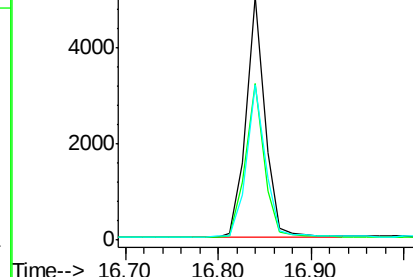
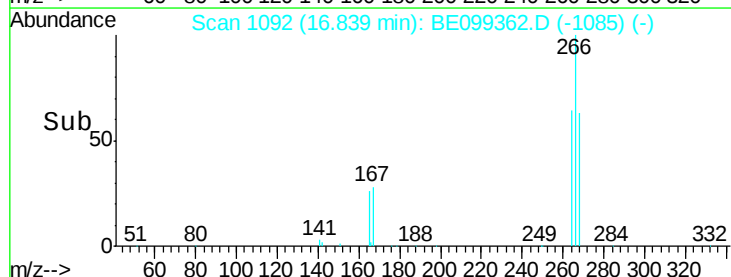
268 63.7 54.3 81.5

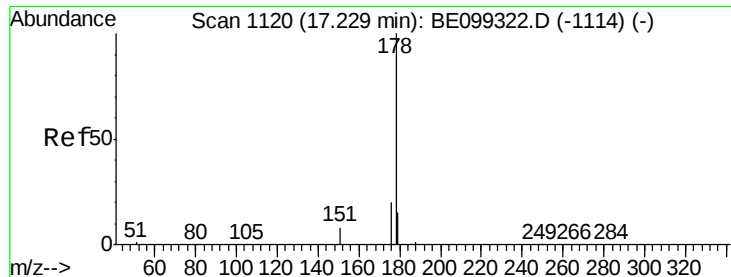


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

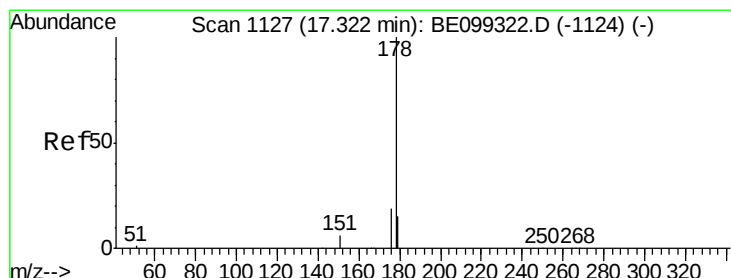
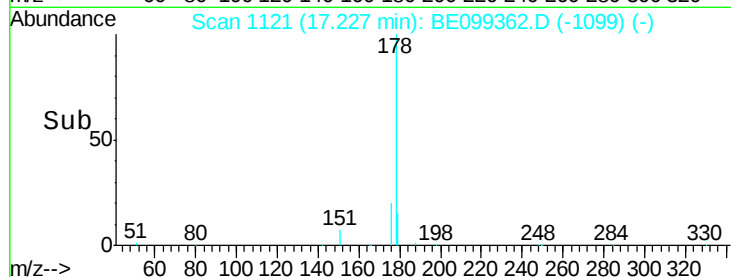
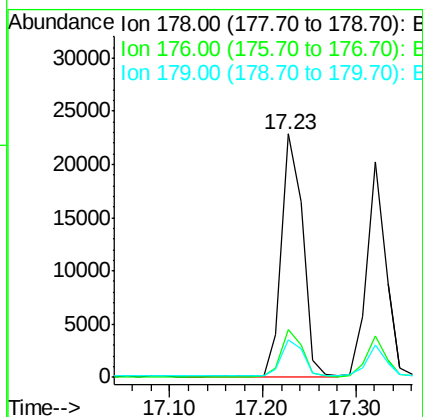
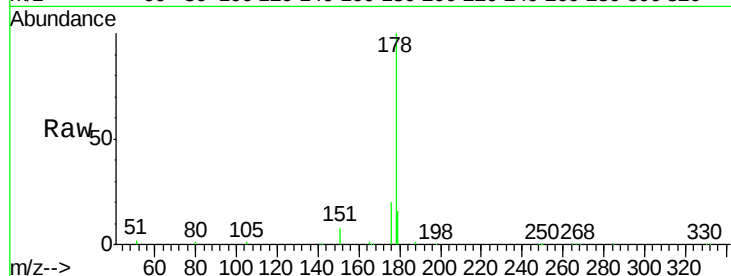




#23
Phenanthrene
Concen: 0.451 ng
RT: 17.23 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE099362.D
Acq: 25 Apr 2019 15:38

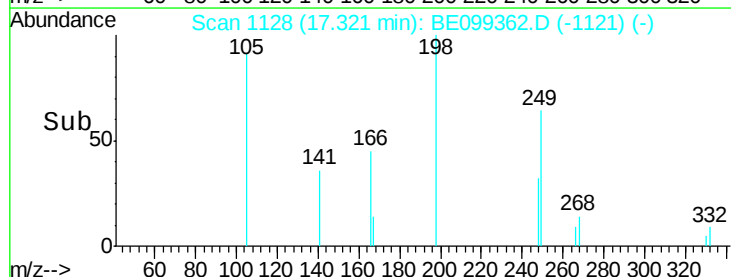
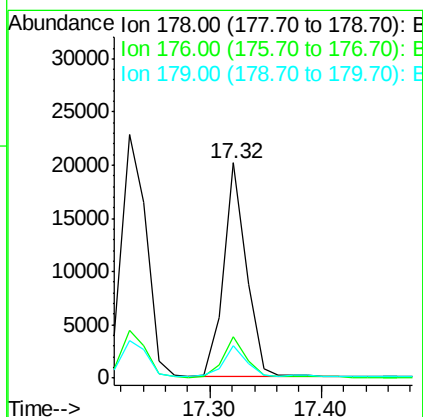
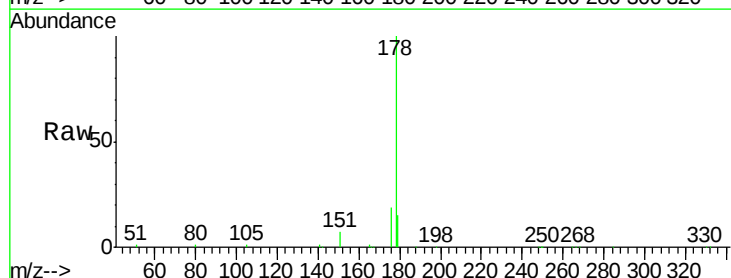
Instrument :
BNA_E
ClientSampleId :

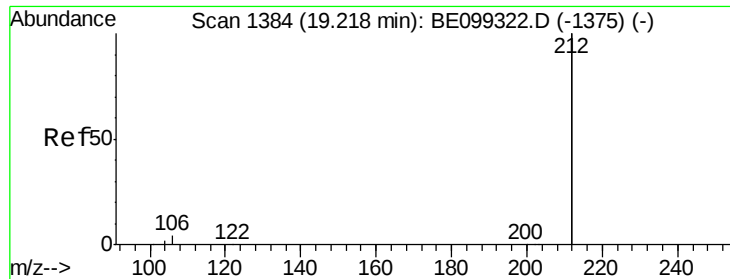
Tot Ion:178 Resp: 36231
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 16.0 12.4 18.6



#24
Anthracene
Concen: 0.397 ng
RT: 17.32 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BE099362.D
Acq: 25 Apr 2019 15:38

Tgt Ion:178 Resp: 28388
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 14.3 11.9 17.9





#25

Fluoranthene-d10

Concen: 0.331 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :

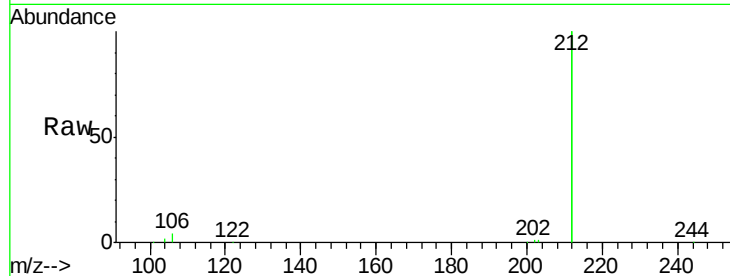
Tot Ion:212 Resp: 120685

Ion Ratio Lower Upper

212 100

106 2.0 1.8 2.6

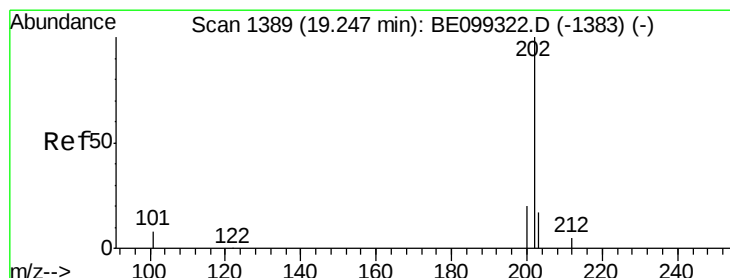
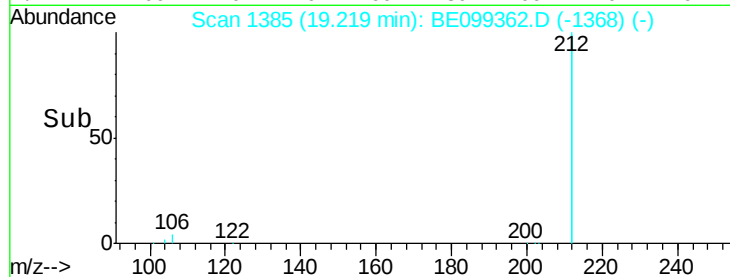
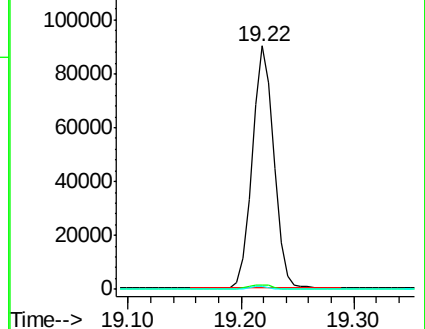
104 1.2 1.0 1.4



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: 0.583 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

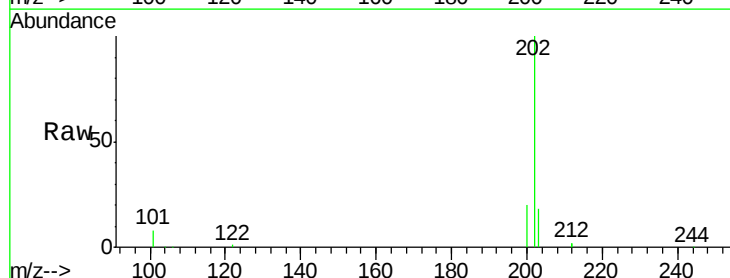
Tgt Ion:202 Resp: 62702

Ion Ratio Lower Upper

202 100

101 7.5 6.4 9.6

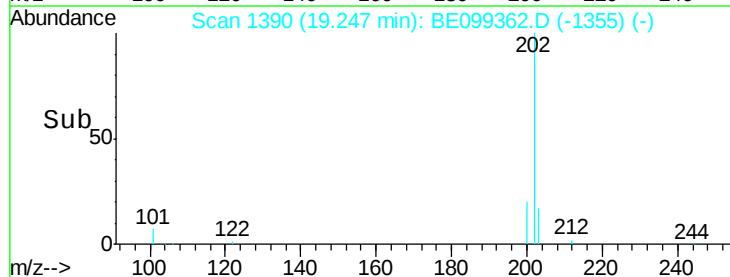
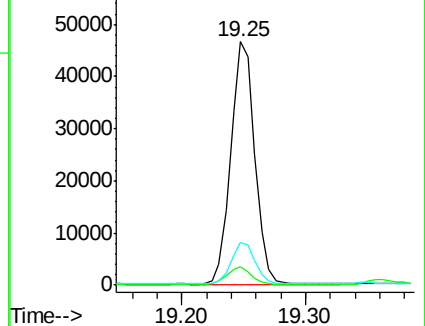
203 17.3 13.5 20.3

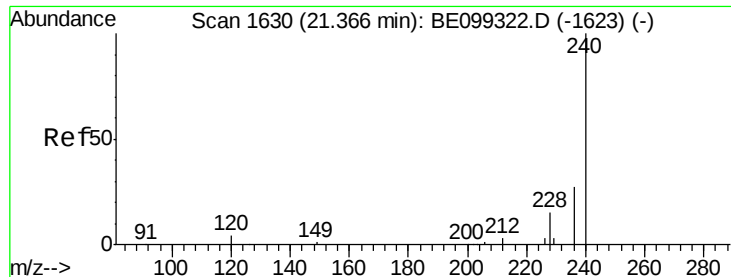


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

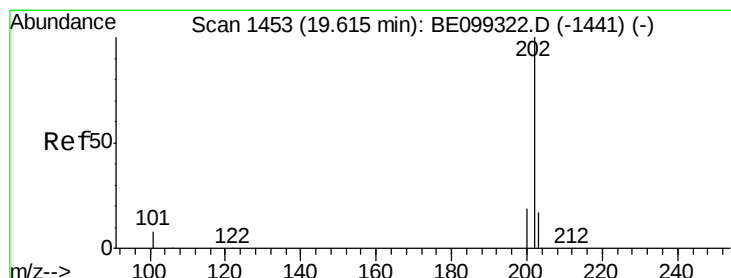
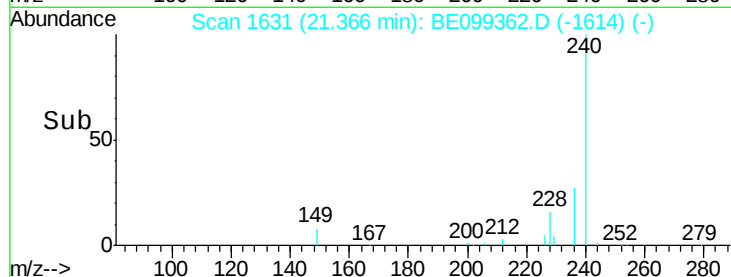
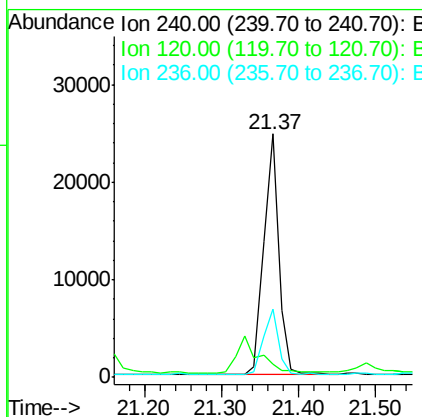
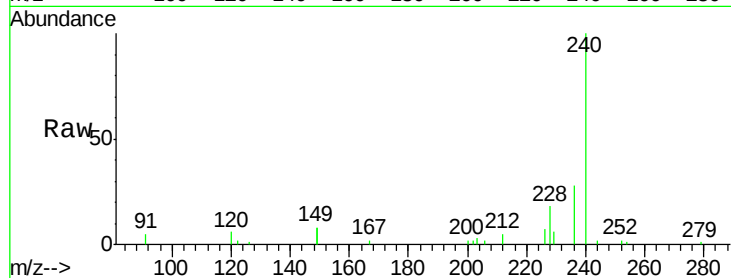




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: BE099362.D
 Acq: 25 Apr 2019 15:38

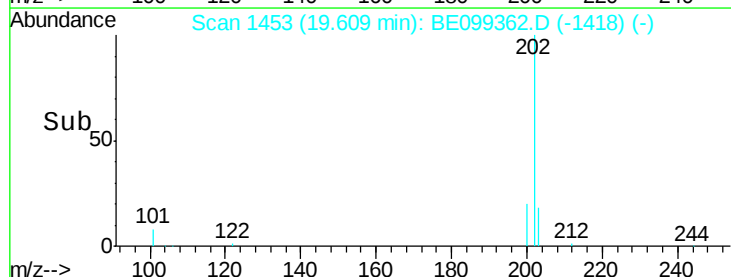
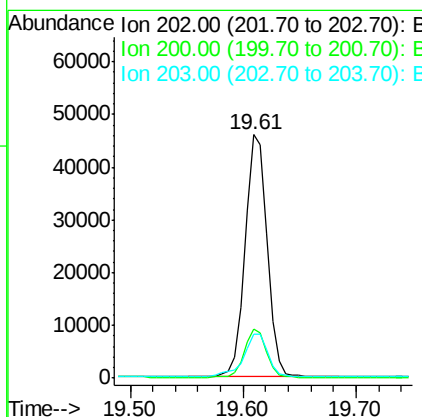
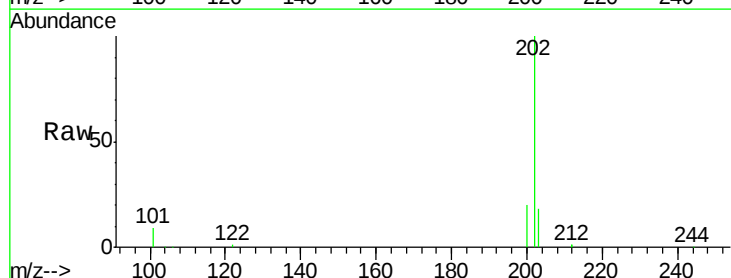
Instrument :
 BNA_E
 ClientSampleId :

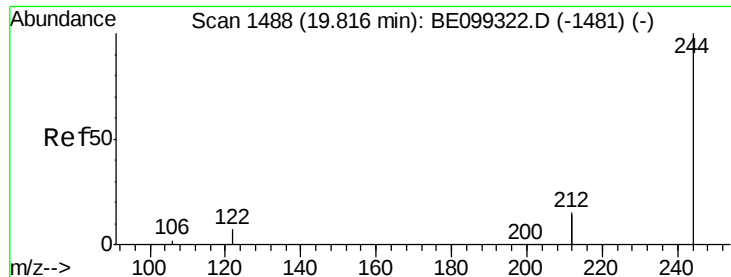
Tot Ion:240 Resp: 34155
 Ion Ratio Lower Upper
 240 100
 120 5.7 2.2 3.2#
 236 28.2 20.2 30.4



#28
 Pyrene
 Concen: 0.628 ng
 RT: 19.61 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BE099362.D
 Acq: 25 Apr 2019 15:38

Tgt Ion:202 Resp: 63205
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.7 23.5
 203 19.5 13.7 20.5





#29

Terphenyl-d14

Concen: 0.309 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :

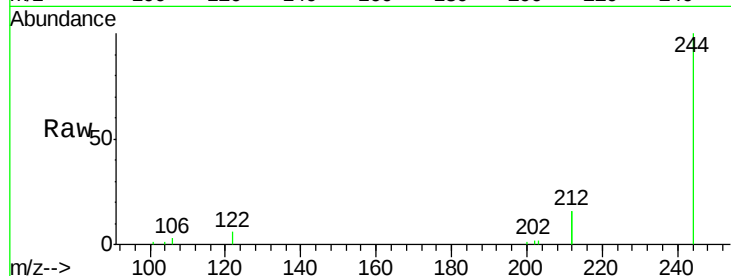
Tot Ion:244 Resp: 20784

Ion Ratio Lower Upper

244 100

212 31.4 22.6 33.8

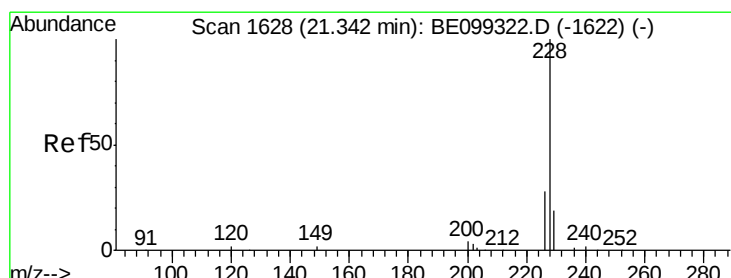
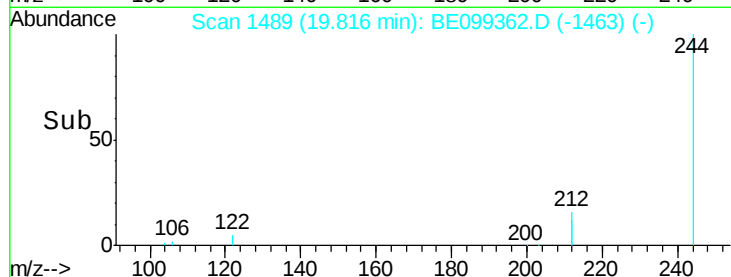
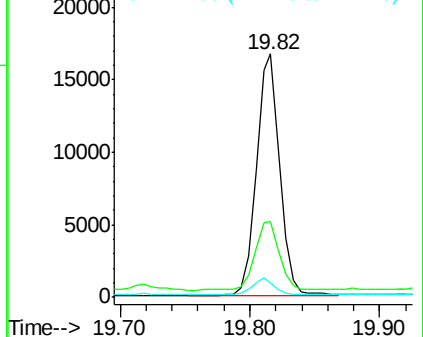
122 6.2 4.6 7.0



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: 0.602 ng

RT: 21.34 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

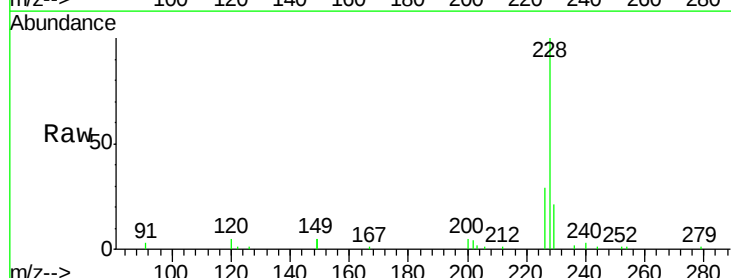
Tgt Ion:228 Resp: 60415

Ion Ratio Lower Upper

228 100

226 28.7 22.0 33.0

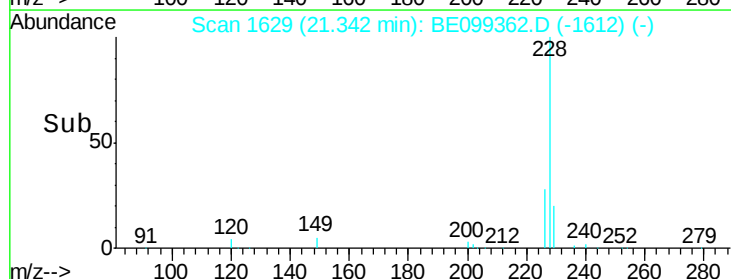
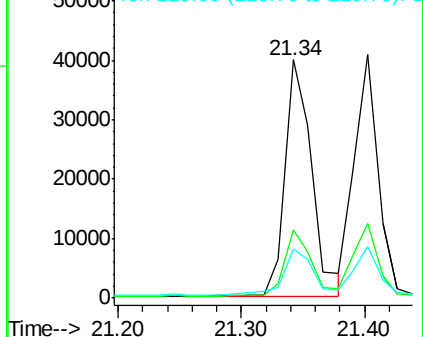
229 20.7 15.8 23.8

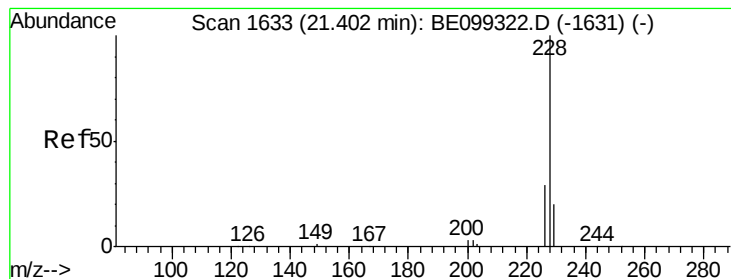


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.506 ng

RT: 21.40 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampled :

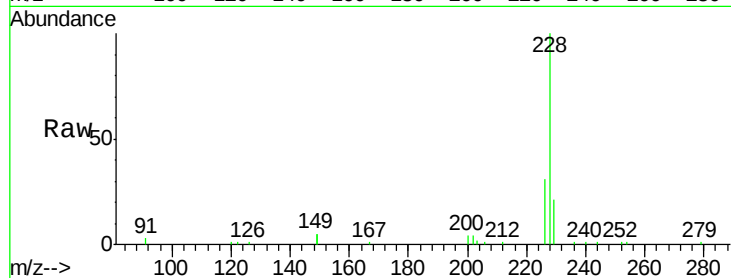
Tot Ion:228 Resp: 54087

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

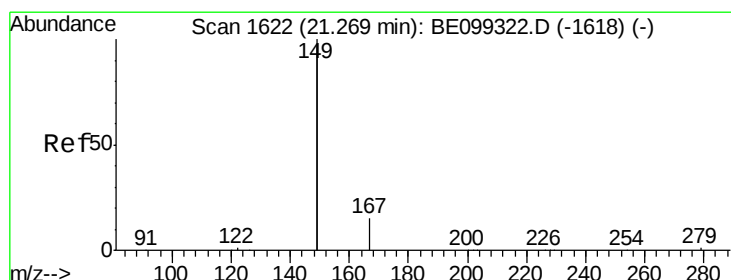
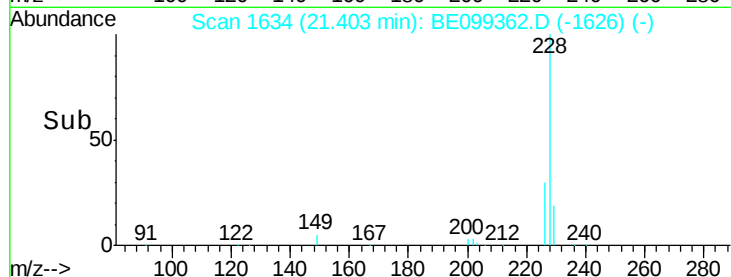
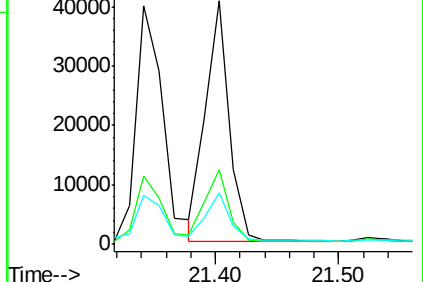
229 21.0 16.2 24.2



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: 1.914 ng

RT: 21.27 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

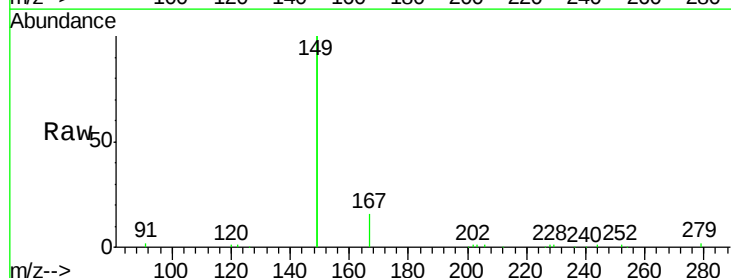
Tgt Ion:149 Resp: 174917

Ion Ratio Lower Upper

149 100

167 7.3 6.0 9.0

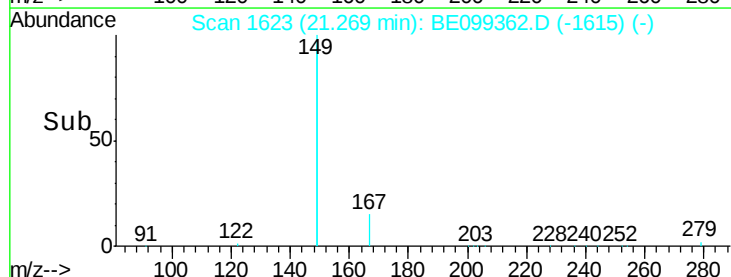
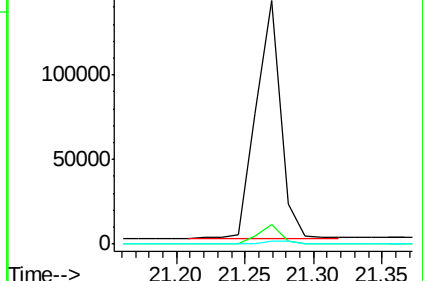
279 1.3 1.1 1.7

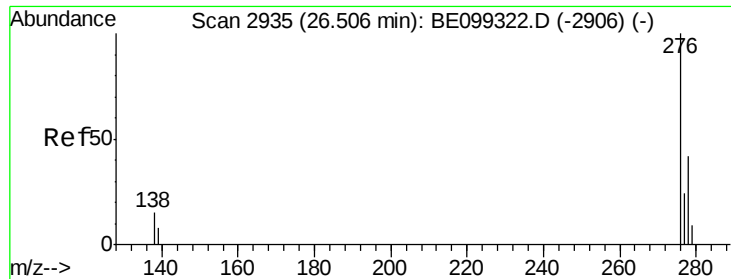


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.512 ng

RT: 26.50 min Scan# 2934

Delta R.T. 0.01 min

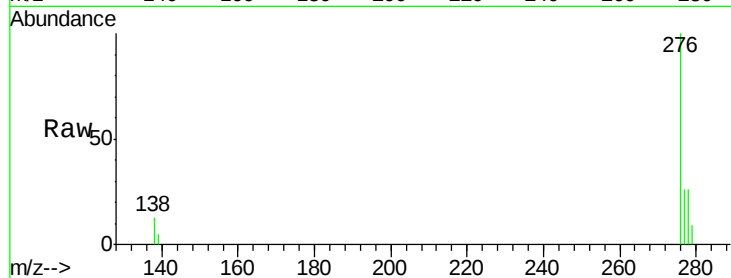
Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :



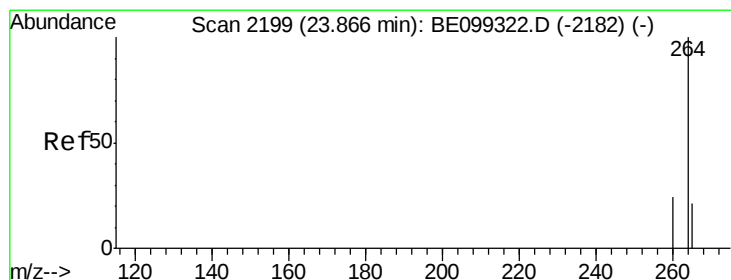
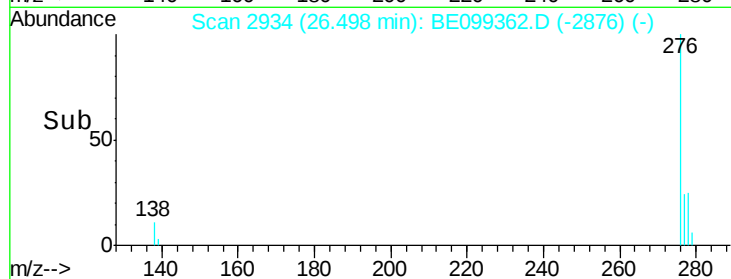
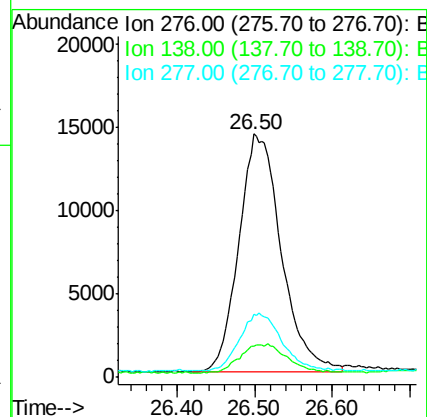
Tot Ion:276 Resp: 54041

Ion Ratio Lower Upper

276 100

138 13.2 12.7 19.1

277 24.2 19.6 29.4



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2199

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

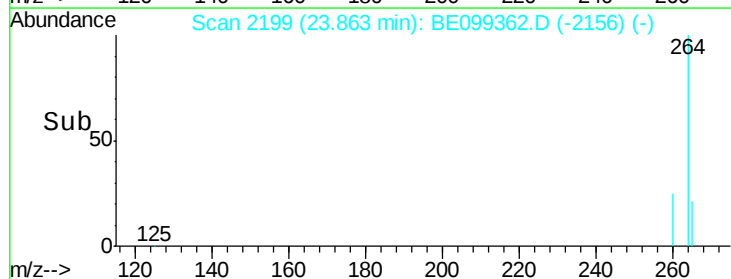
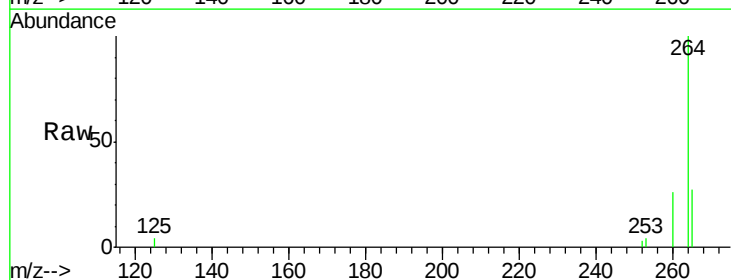
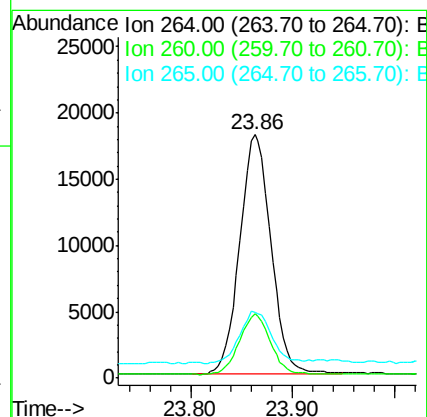
Tgt Ion:264 Resp: 38765

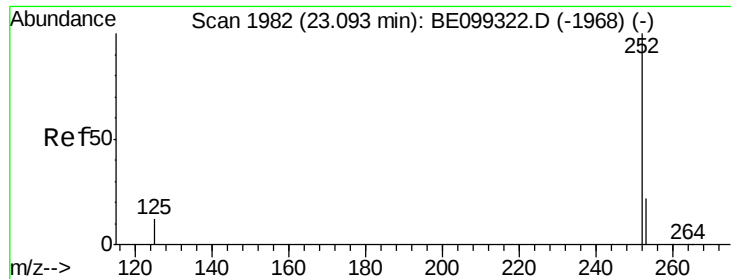
Ion Ratio Lower Upper

264 100

260 26.4 20.1 30.1

265 27.2 19.9 29.9





#35

Benzo(b)fluoranthene

Concen: 0.482 ng

RT: 23.09 min Scan# 1983

Delta R.T. 0.01 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :

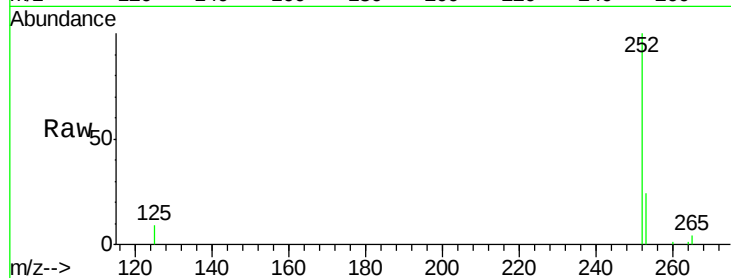
Tot Ion:252 Resp: 57199

Ion Ratio Lower Upper

252 100

253 24.4 17.3 25.9

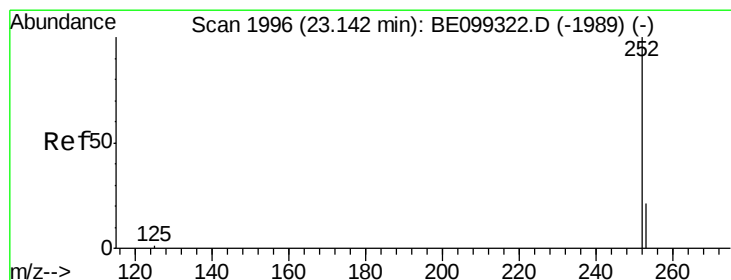
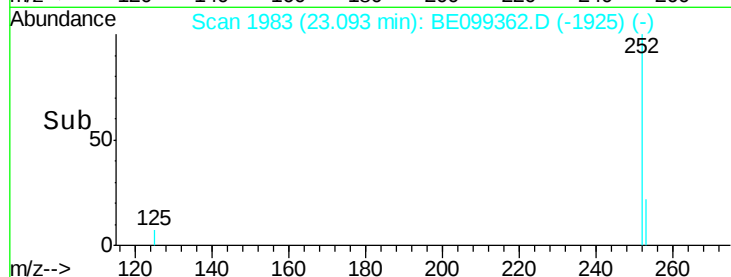
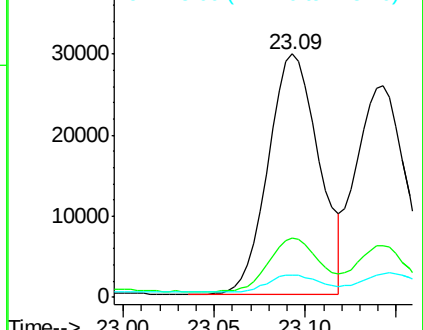
125 9.0 5.8 8.6#



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: 0.423 ng

RT: 23.14 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

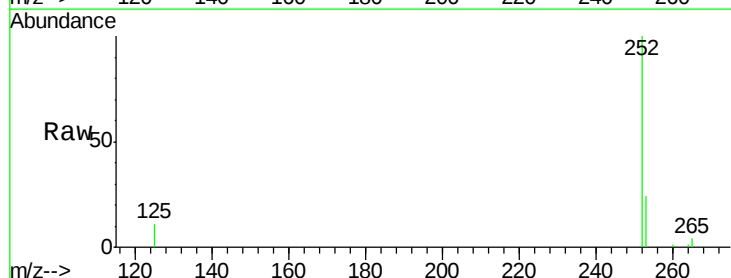
Tgt Ion:252 Resp: 50024

Ion Ratio Lower Upper

252 100

253 24.3 18.4 27.6

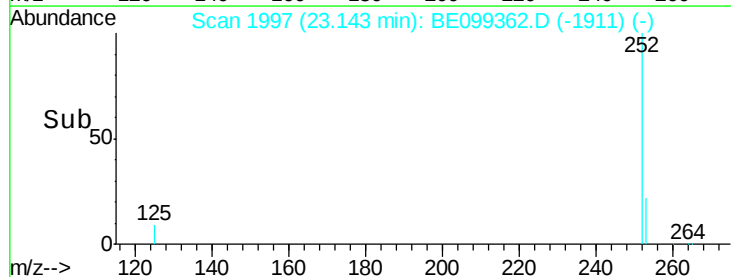
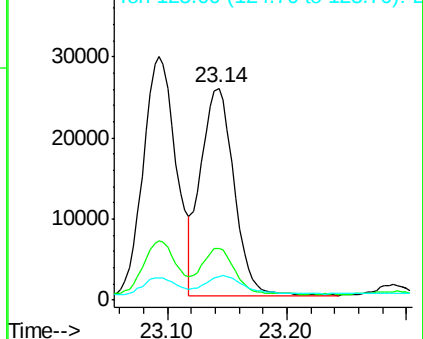
125 11.1 5.4 8.0#

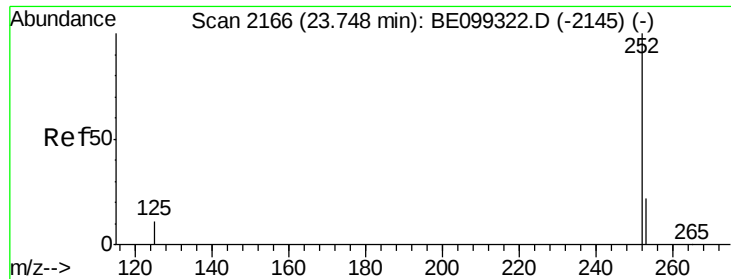


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.484 ng

RT: 23.75 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :

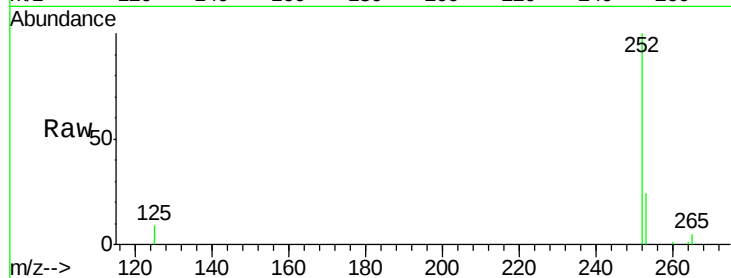
Tot Ion:252 Resp: 51481

Ion Ratio Lower Upper

252 100

253 24.5 17.6 26.4

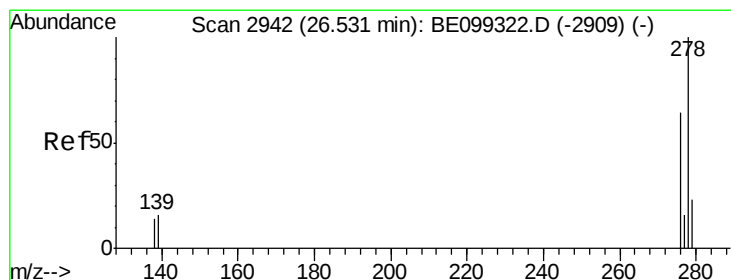
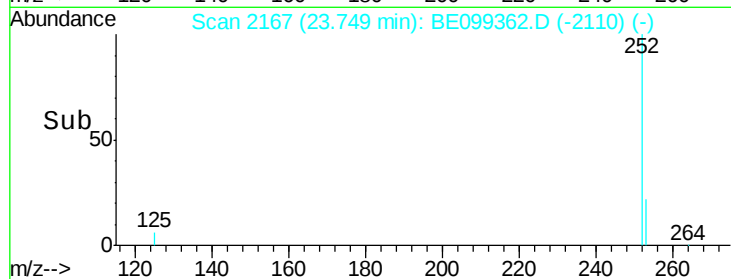
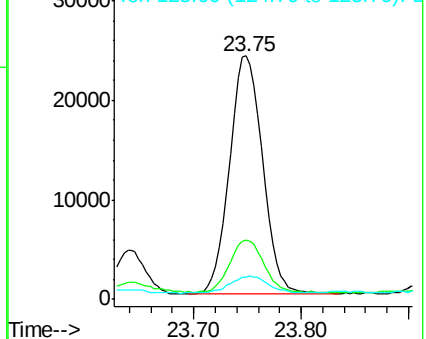
125 9.0 6.5 9.7



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: 0.361 ng

RT: 26.53 min Scan# 2943

Delta R.T. 0.01 min

Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

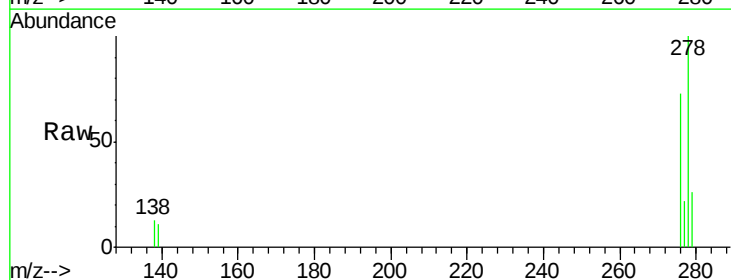
Tgt Ion:278 Resp: 39215

Ion Ratio Lower Upper

278 100

139 11.5 8.5 12.7

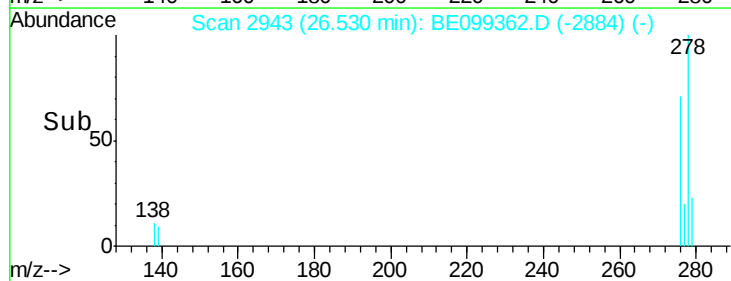
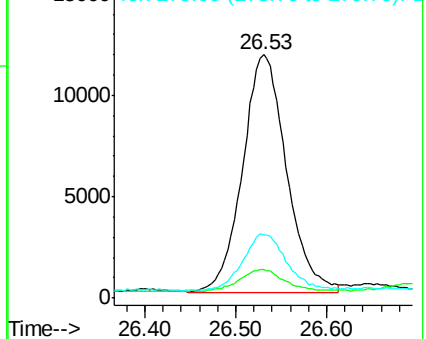
279 26.0 19.8 29.8

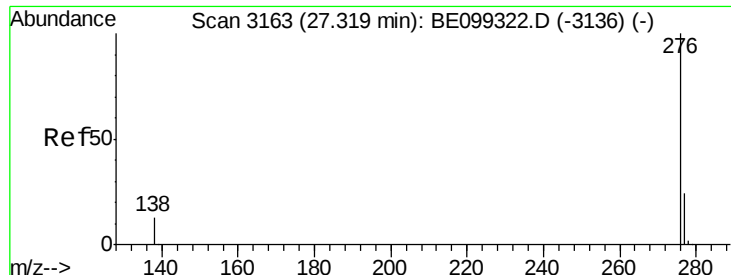


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.416 ng

RT: 27.32 min Scan# 3165

Delta R.T. 0.02 min

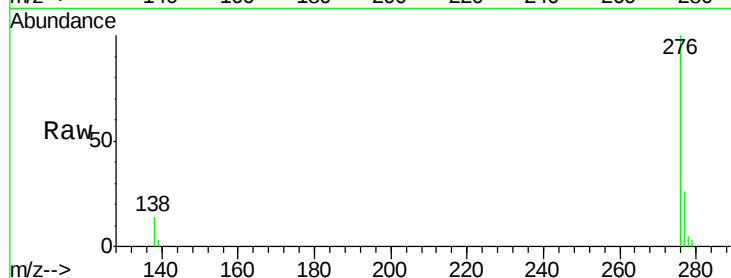
Lab File: BE099362.D

Acq: 25 Apr 2019 15:38

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 45861

Ion Ratio Lower Upper

276 100

277 26.0 20.0 30.0

138 13.6 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

