

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
 Data File : BE099354.D
 Acq On : 25 Apr 2019 10:49
 Operator : JU/SJ
 Sample : PB1191195BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 26 00:41:12 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	7.82	152	3491	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	11928	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6977	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	17942	0.40	ng	0.00
27) Chrysene-d12	21.36	240	22584	0.40	ng	0.00
34) Perylene-d12	23.86	264	25808	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	3240	0.38	ng	0.01
5) Phenol-d6	6.98	99	4427	0.36	ng	0.00
8) Nitrobenzene-d5	8.96	82	3337	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	9687	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	711	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	11268	0.41	ng	0.00
25) Fluoranthene-d10	19.22	212	85164	0.40	ng	0.00
29) Terphenyl-d14	19.82	244	15458	0.35	ng	0.00

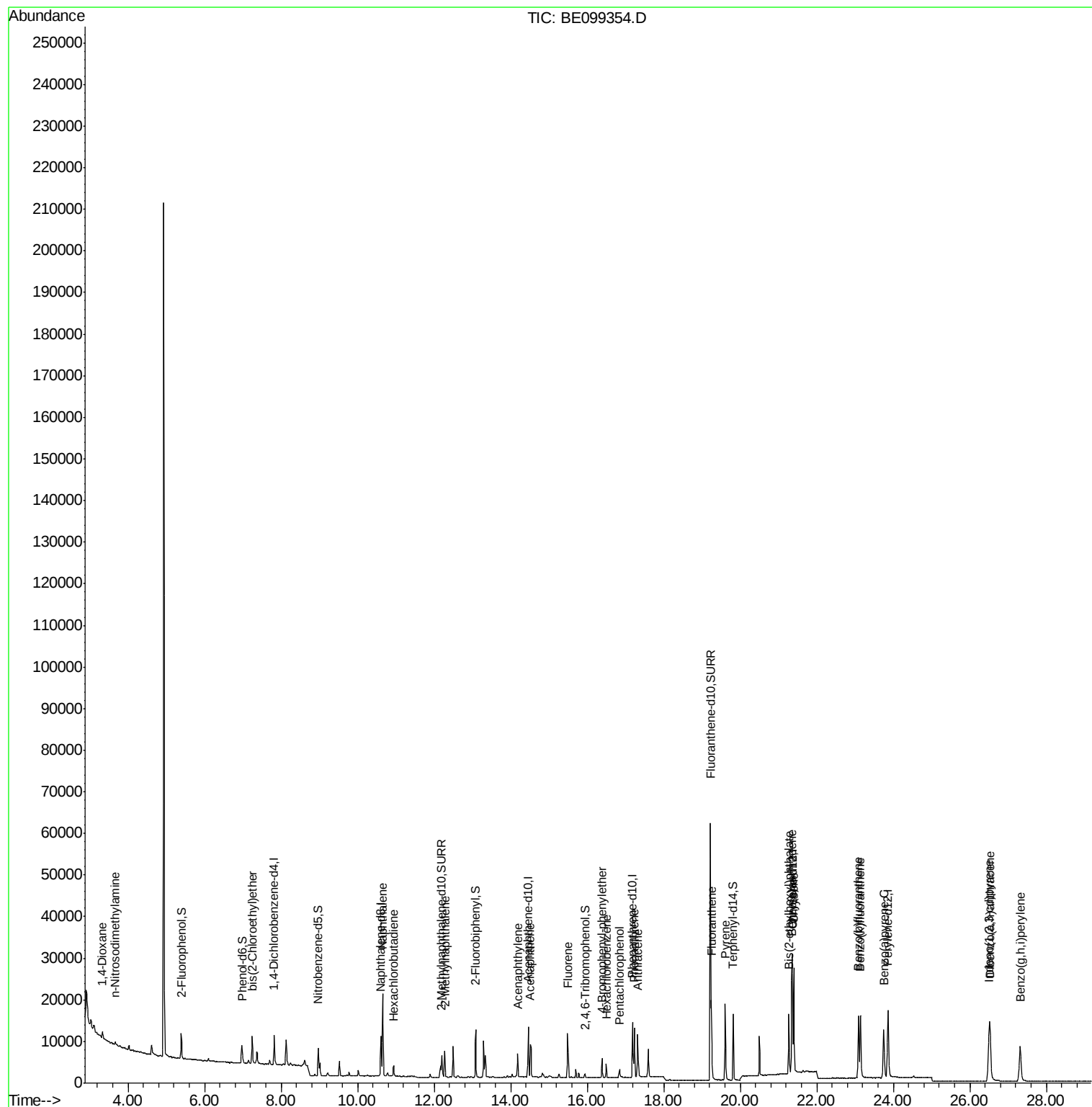
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	1102	0.225	ng	# 45
3) n-Nitrosodimethylamine	3.66	42	502	0.191	ng	# 88
6) bis(2-Chloroethyl)ether	7.24	93	2619	0.231	ng	97
9) Naphthalene	10.65	128	31518	0.242	ng	100
10) Hexachlorobutadiene	10.94	225	1885	0.228	ng	95
12) 2-Methylnaphthalene	12.28	142	5107	0.231	ng	97
16) Acenaphthylene	14.18	152	7079	0.224	ng	100
17) Acenaphthene	14.51	154	4604	0.237	ng	99
18) Fluorene	15.49	166	6459	0.231	ng	98
20) 4-Bromophenyl-phenylether	16.38	248	2406	0.242	ng	97
21) Hexachlorobenzene	16.49	284	2504	0.262	ng	96
22) Pentachlorophenol	16.84	266	1198	0.531	ng	93
23) Phenanthrene	17.23	178	12361	0.260	ng	99
24) Anthracene	17.32	178	10761	0.255	ng	100
26) Fluoranthene	19.25	202	17234	0.271	ng	100
28) Pyrene	19.61	202	17392	0.261	ng	98
30) Benzo(a)anthracene	21.34	228	20667	0.311	ng	99
31) Chrysene	21.40	228	21888	0.310	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	14985	0.248	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	24300	0.348	ng	99
35) Benzo(b)fluoranthene	23.09	252	21308	0.270	ng	95
36) Benzo(k)fluoranthene	23.14	252	22493	0.286	ng	99
37) Benzo(a)pyrene	23.75	252	20370	0.288	ng	# 95
38) Dibenzo(a,h)anthracene	26.53	278	20010	0.277	ng	98
39) Benzo(g,h,i)perylene	27.31	276	21076	0.287	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :

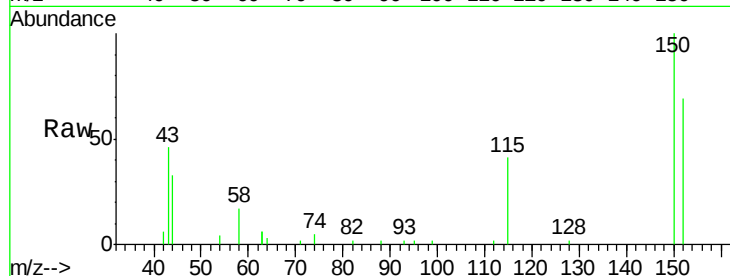
Tot Ion:152 Resp: 3491

Ion Ratio Lower Upper

152 100

150 144.7 119.5 179.3

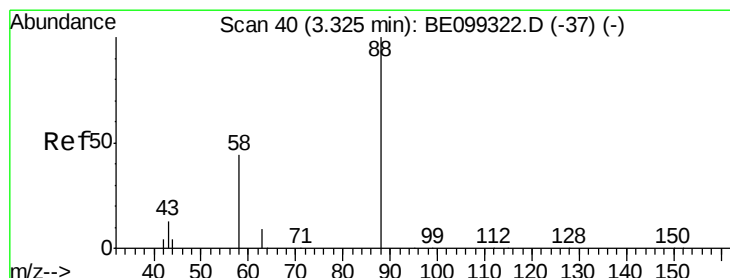
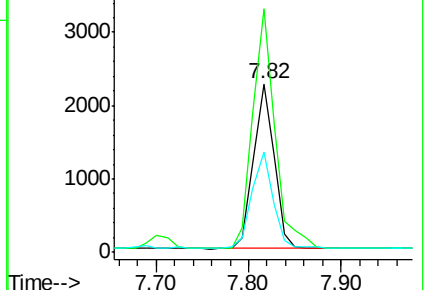
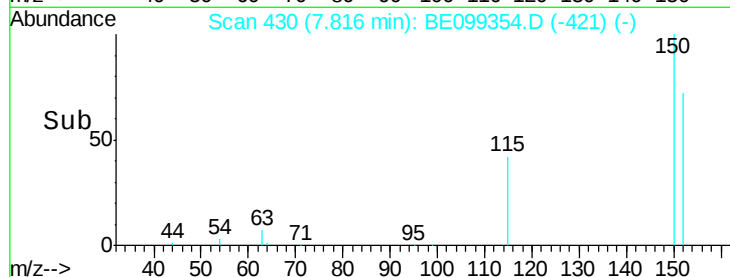
115 59.3 47.5 71.3



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: 0.225 ng

RT: 3.32 min Scan# 40

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

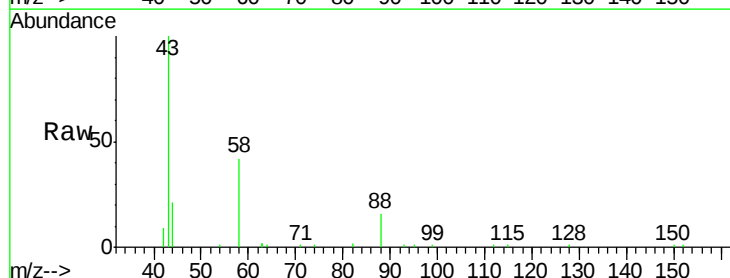
Tgt Ion: 88 Resp: 1102

Ion Ratio Lower Upper

88 100

58 105.4 49.1 73.7#

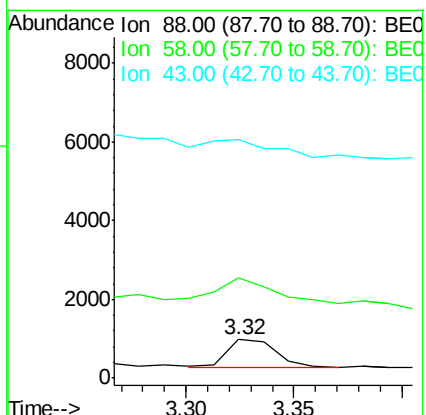
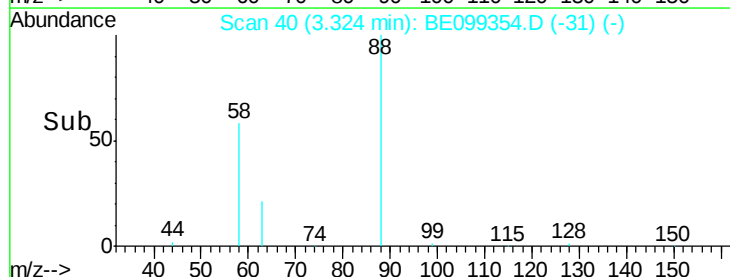
43 0.0 17.9 26.9#

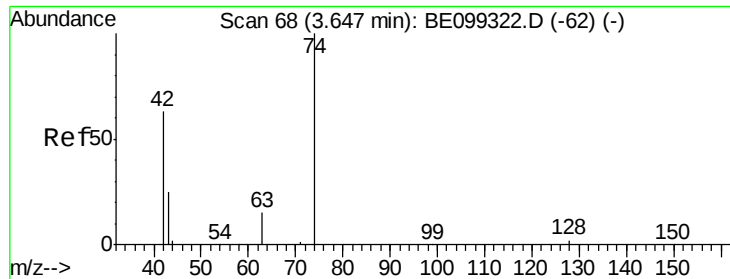


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.191 ng

RT: 3.66 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

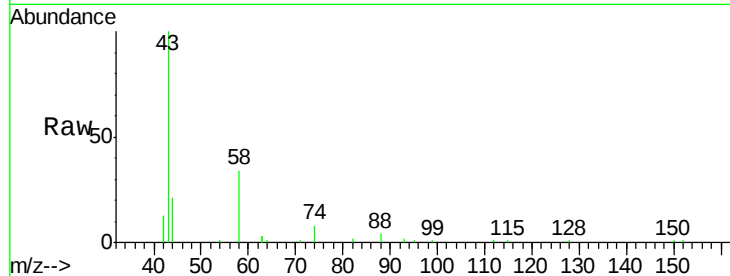
Instrument :

BNA_E

ClientSampled :

Tot Ion: 42 Resp: 502

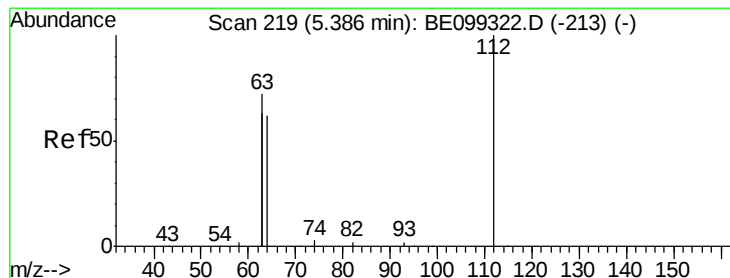
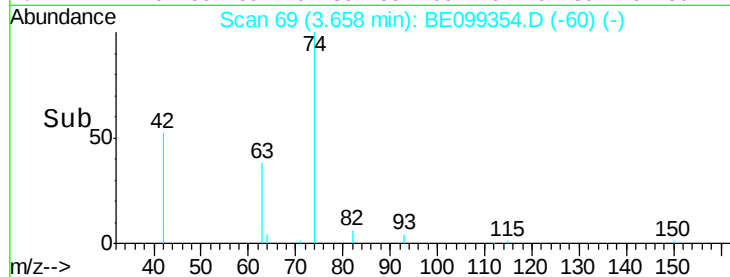
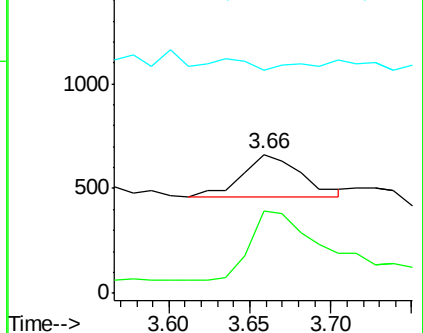
Ion	Ratio	Lower	Upper
42	100		
74	197.4	145.8	218.8
44	0.0	9.0	13.4#



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: 0.380 ng

RT: 5.40 min Scan# 220

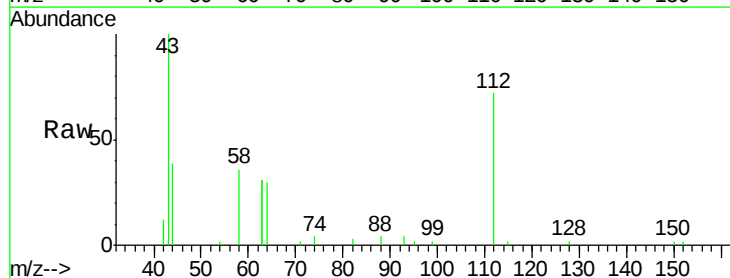
Delta R.T. 0.01 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Tgt Ion: 112 Resp: 3240

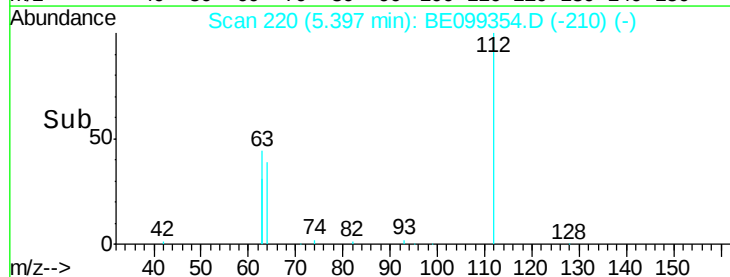
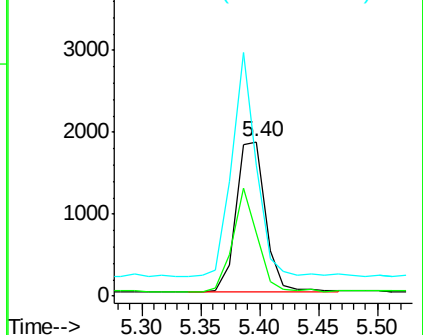
Ion	Ratio	Lower	Upper
112	100		
64	57.6	44.9	67.3
63	124.9	97.4	146.0

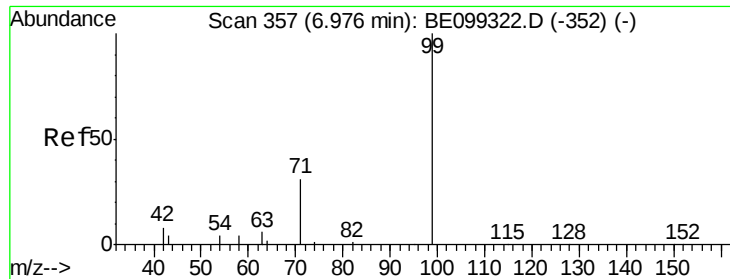


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.364 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :

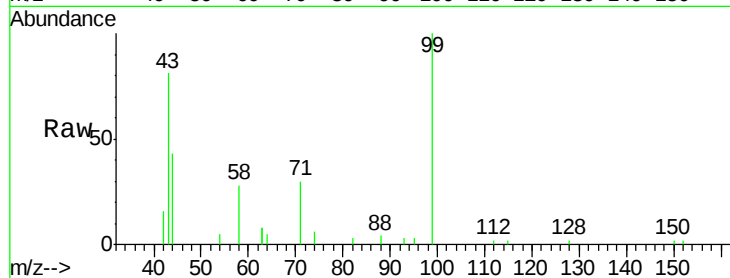
Tot Ion: 99 Resp: 4427

Ion Ratio Lower Upper

99 100

42 19.7 11.7 17.5#

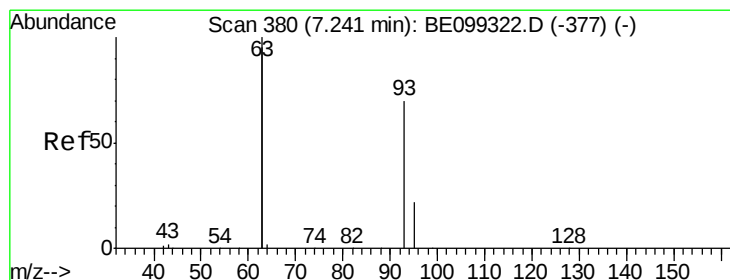
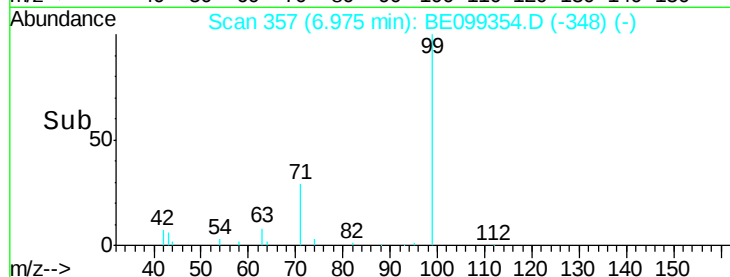
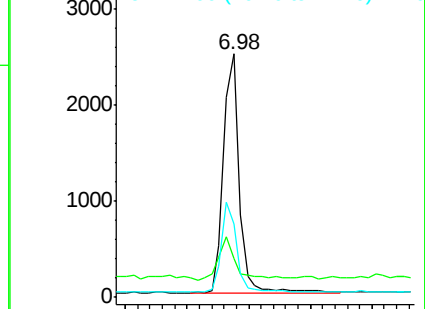
71 35.2 29.6 44.4



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: 0.231 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

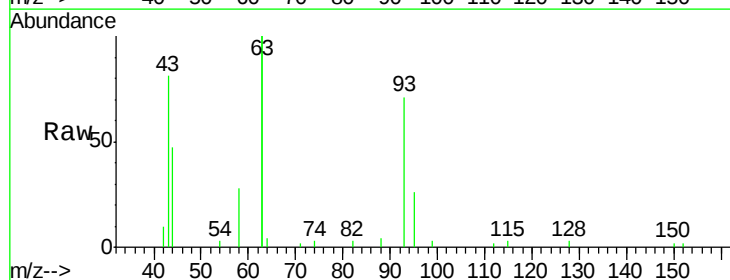
Tgt Ion: 93 Resp: 2619

Ion Ratio Lower Upper

93 100

63 276.9 216.6 324.8

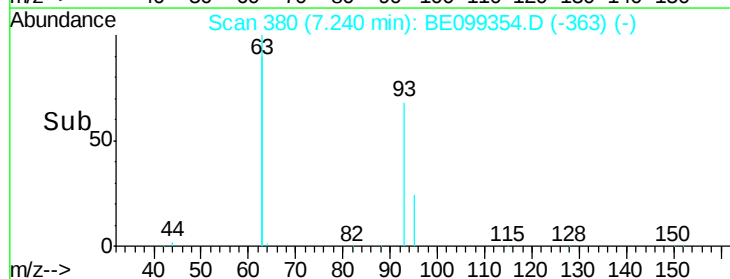
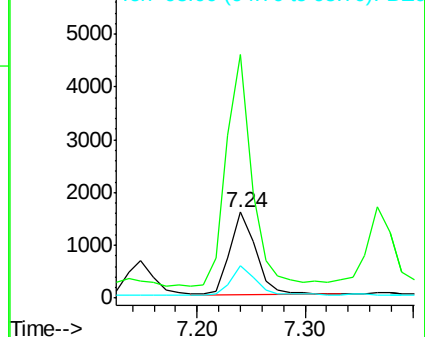
95 34.7 25.8 38.6

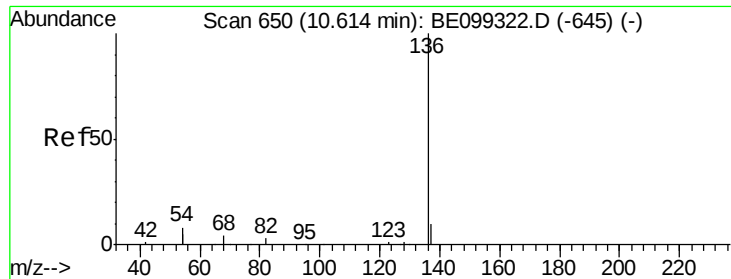


Abundance Ion 93.00 (92.70 to 93.70): BE0

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# 649

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 11928

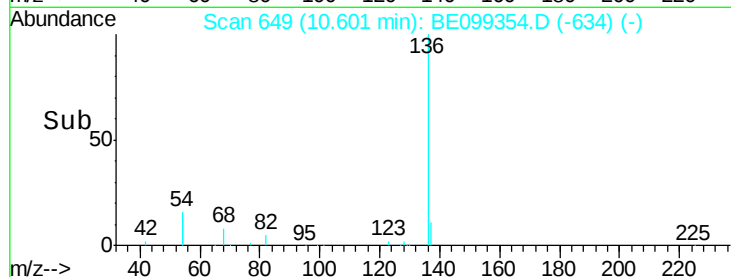
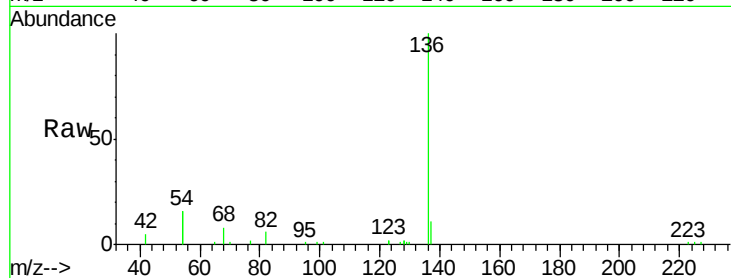
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 32.2 23.8 35.8

68 8.4 6.4 9.6

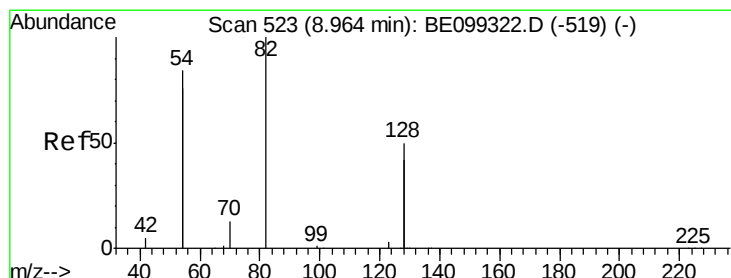
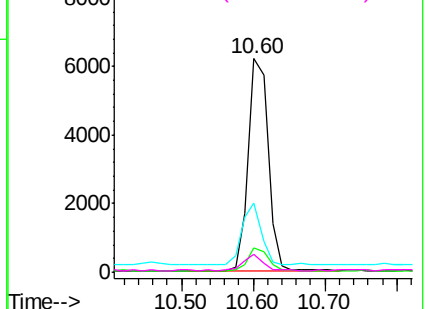


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.360 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

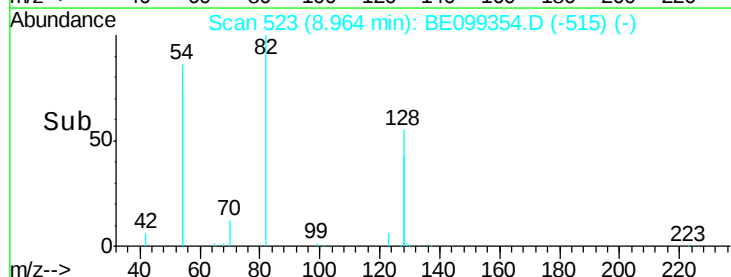
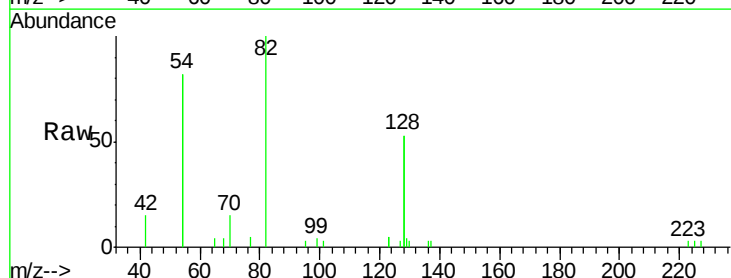
Tgt Ion: 82 Resp: 3337

Ion Ratio Lower Upper

82 100

128 105.7 91.7 137.5

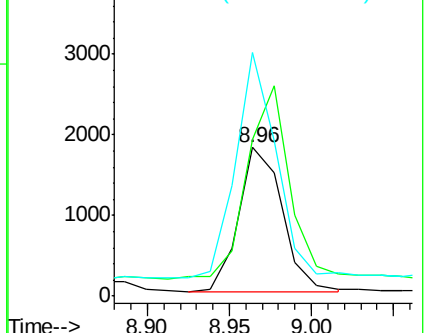
54 164.0 122.8 184.2

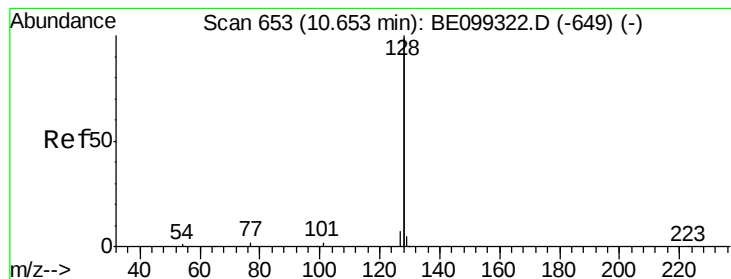


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.242 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :

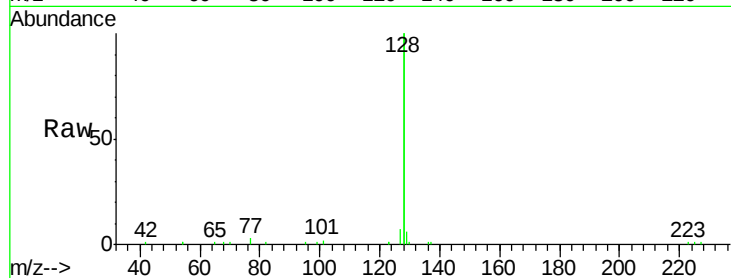
Tot Ion:128 Resp: 31518

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

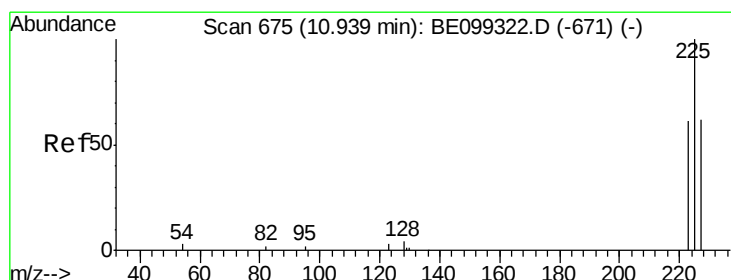
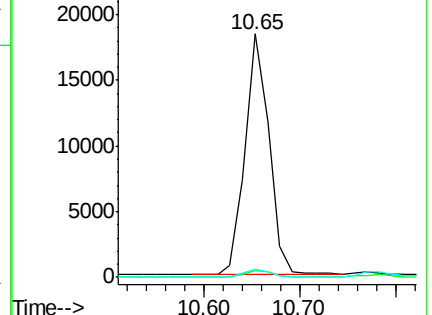
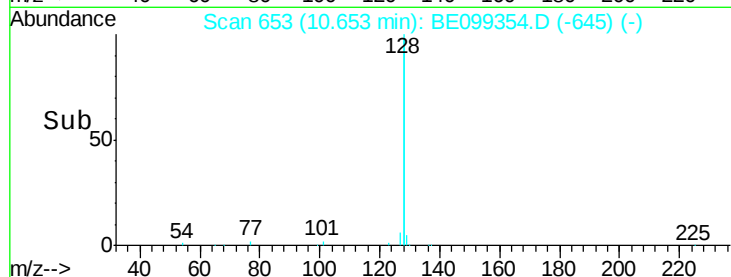
127 3.3 2.8 4.2



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: 0.228 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

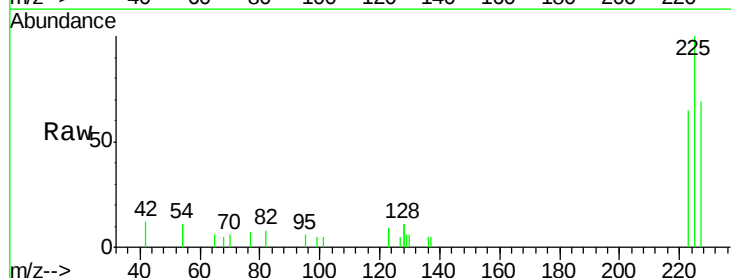
Tgt Ion:225 Resp: 1885

Ion Ratio Lower Upper

225 100

223 65.9 50.3 75.5

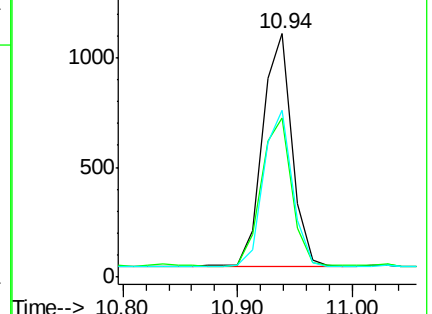
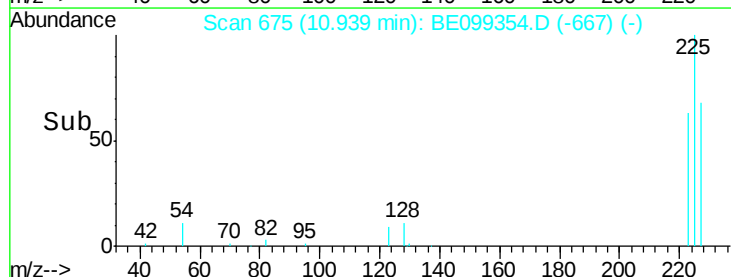
227 65.7 49.4 74.0

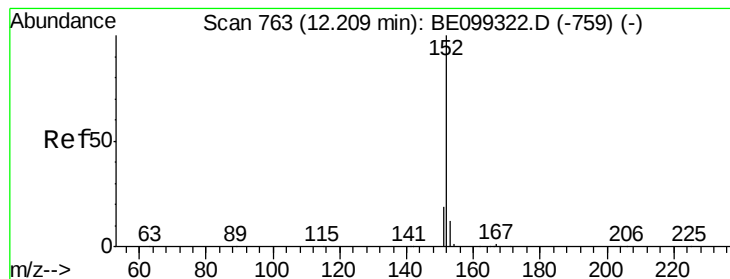


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.460 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

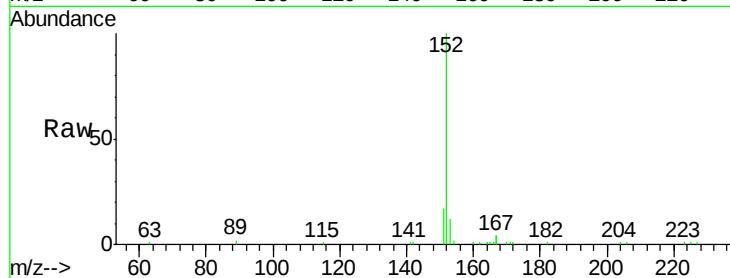
ClientSampleId :

Tot Ion:152 Resp: 9687

Ion Ratio Lower Upper

152 100

151 15.4 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.19

4000

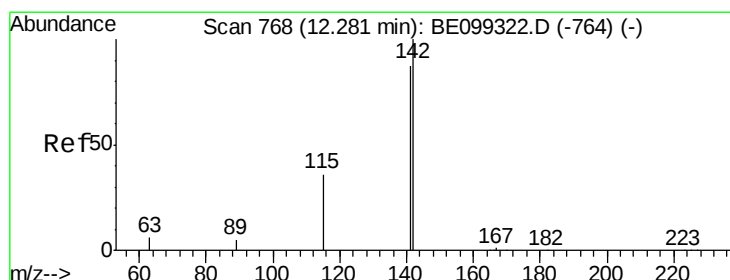
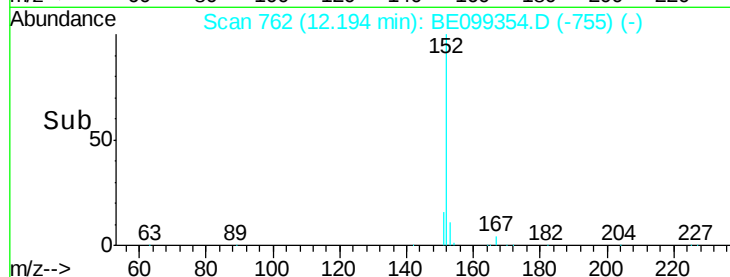
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.231 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

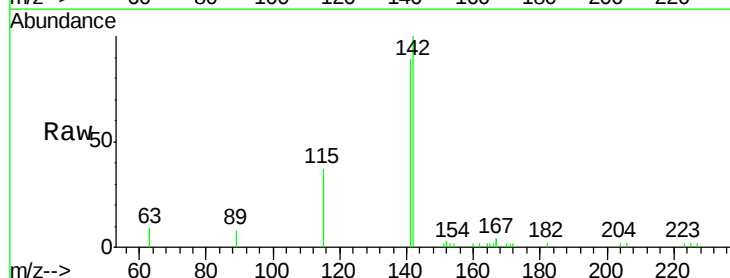
Tgt Ion:142 Resp: 5107

Ion Ratio Lower Upper

142 100

141 89.4 72.0 108.0

115 36.8 33.4 50.0



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

12.28

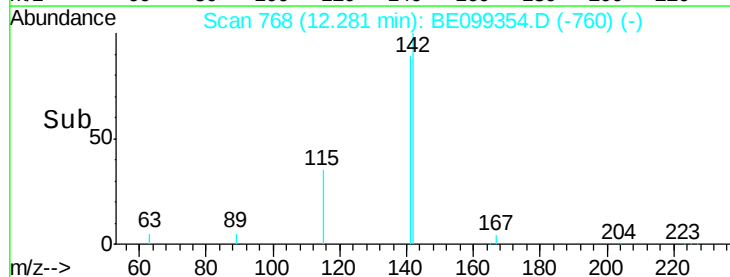
3000

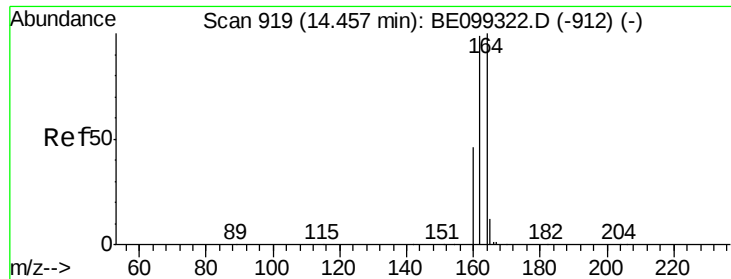
2000

1000

0

Time-->

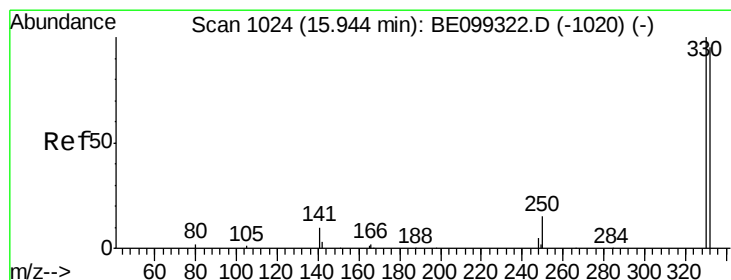
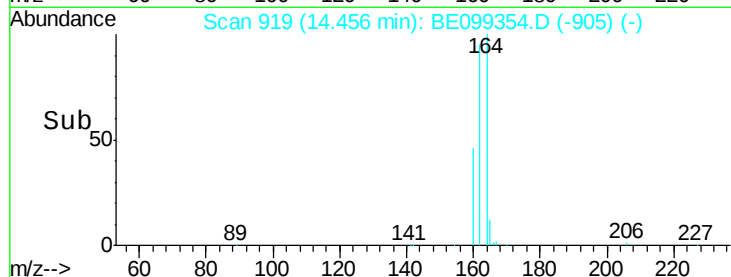
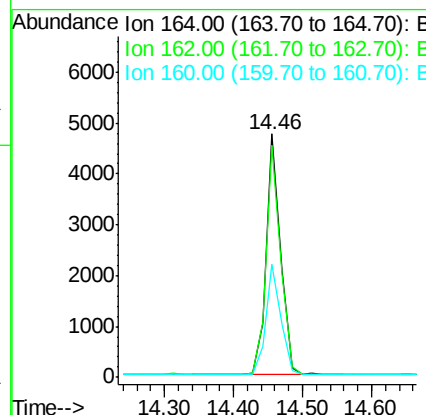
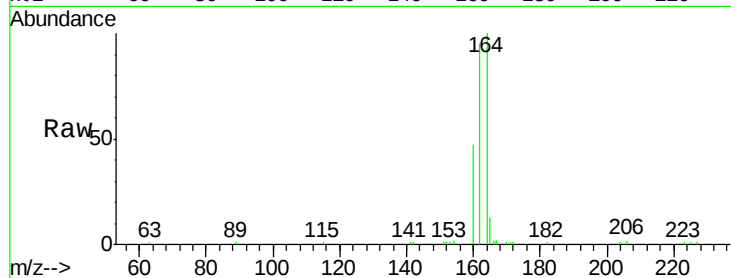




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099354.D
 Acq: 25 Apr 2019 10:49

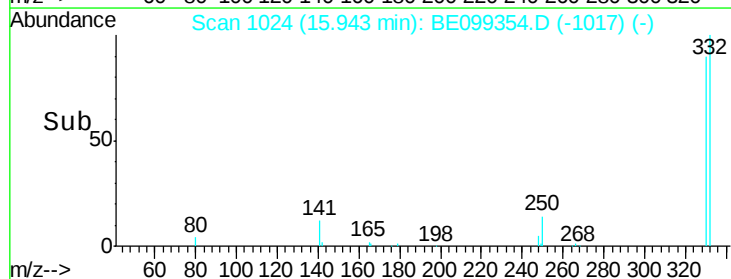
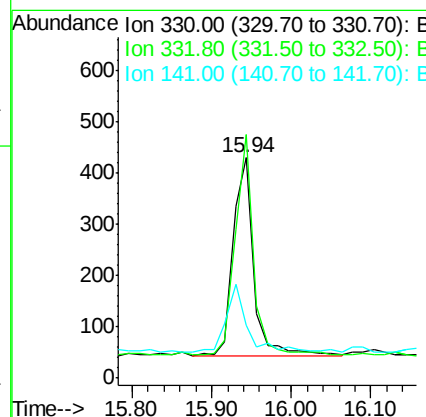
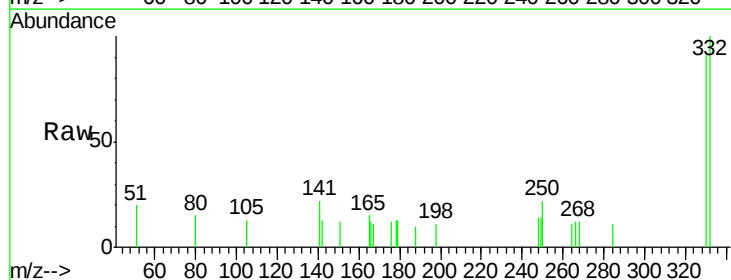
Instrument :
 BNA_E
 ClientSampleId :

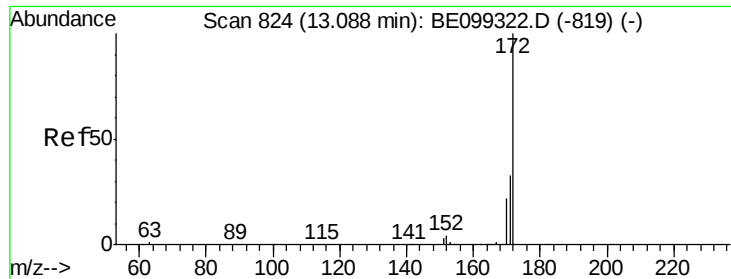
Tot Ion:164 Resp: 6977
 Ion Ratio Lower Upper
 164 100
 162 95.3 77.8 116.6
 160 46.6 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.307 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099354.D
 Acq: 25 Apr 2019 10:49

Tgt Ion:330 Resp: 711
 Ion Ratio Lower Upper
 330 100
 332 96.8 82.5 123.7
 141 36.0 24.9 37.3

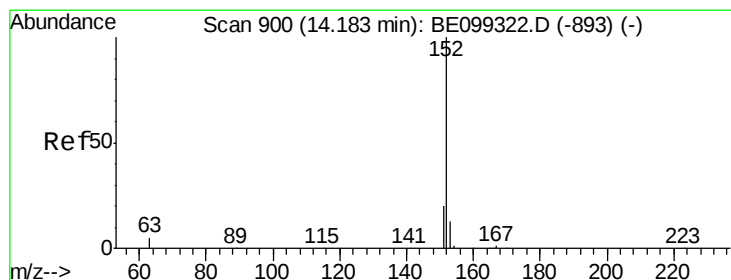
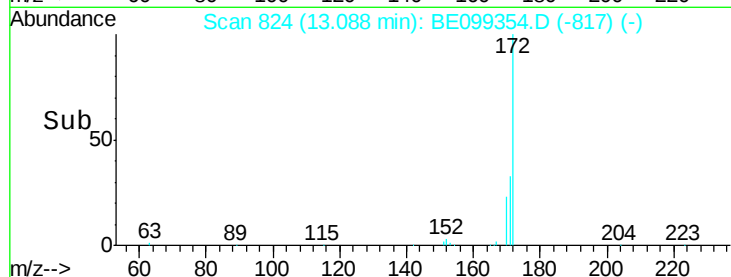
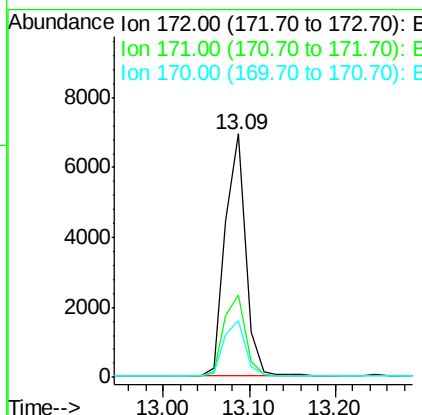
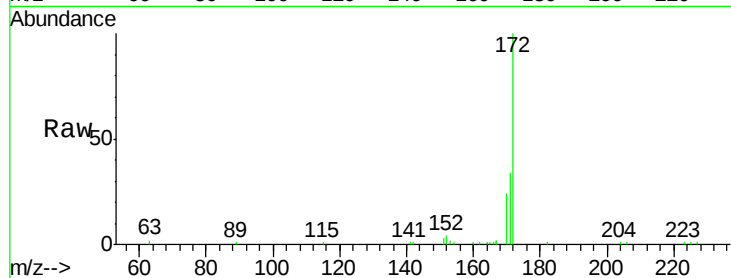




#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099354.D
Acq: 25 Apr 2019 10:49

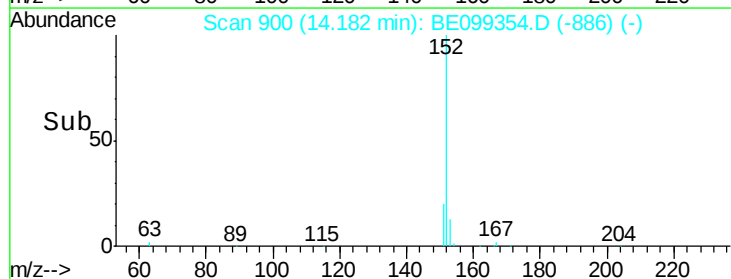
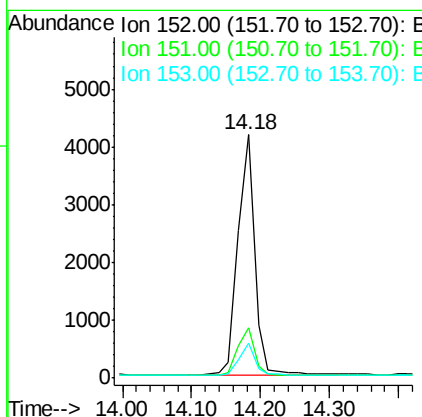
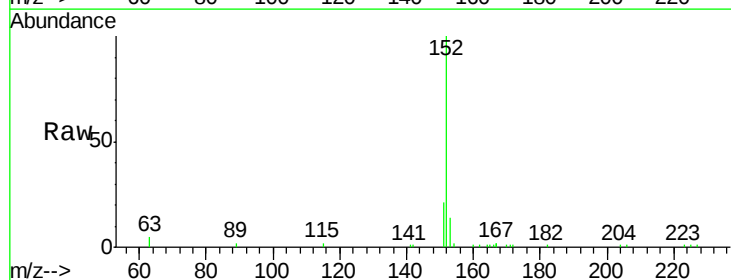
Instrument :
BNA_E
ClientSampleId :

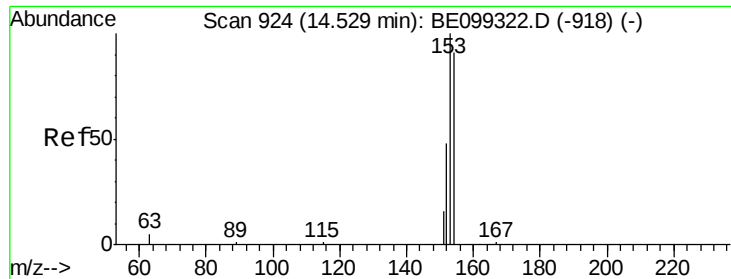
Tot Ion:172 Resp: 11268
Ion Ratio Lower Upper
172 100
171 33.9 26.2 39.2
170 23.6 18.1 27.1



#16
Acenaphthylene
Concen: 0.224 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099354.D
Acq: 25 Apr 2019 10:49

Tgt Ion:152 Resp: 7079
Ion Ratio Lower Upper
152 100
151 19.4 15.5 23.3
153 12.5 10.2 15.4

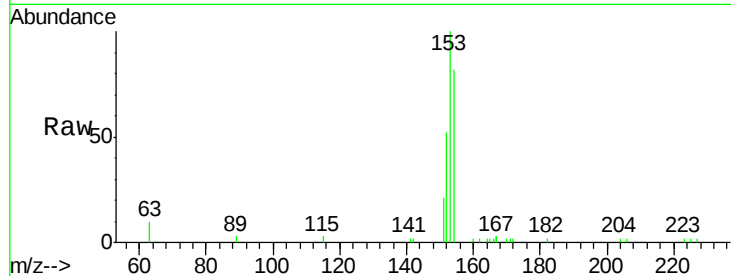




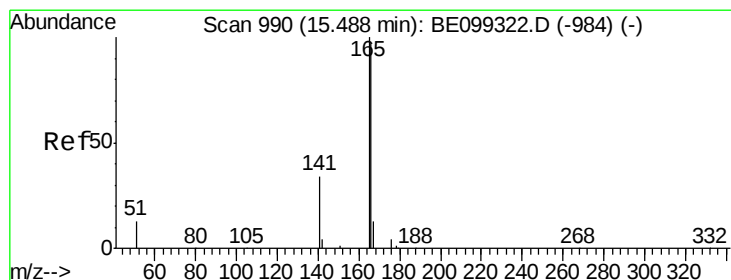
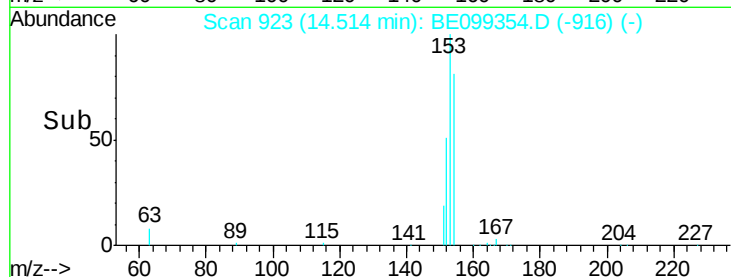
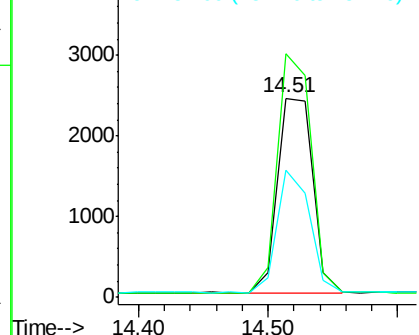
#17
Acenaphthene
Concen: 0.237 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099354.D
Acq: 25 Apr 2019 10:49

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 4604
Ion Ratio Lower Upper
154 100
153 117.4 94.7 142.1
152 58.5 46.4 69.6

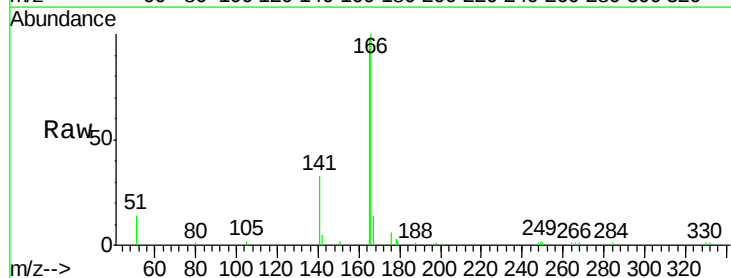


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

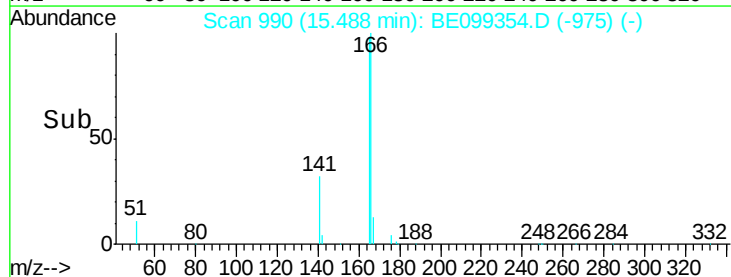
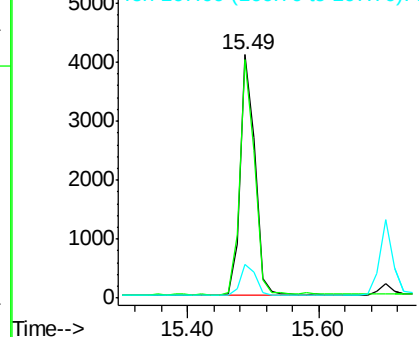


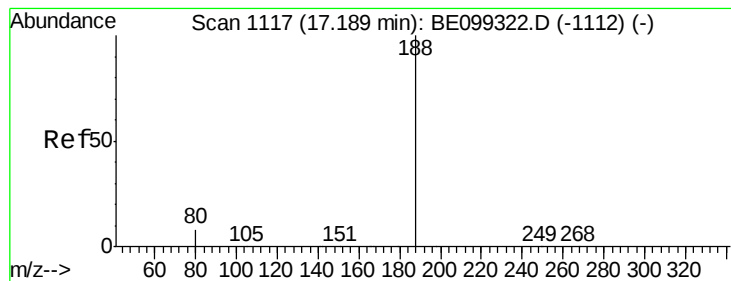
#18
Fluorene
Concen: 0.231 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099354.D
Acq: 25 Apr 2019 10:49

Tgt Ion:166 Resp: 6459
Ion Ratio Lower Upper
166 100
165 96.9 79.7 119.5
167 13.9 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# 1117

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :

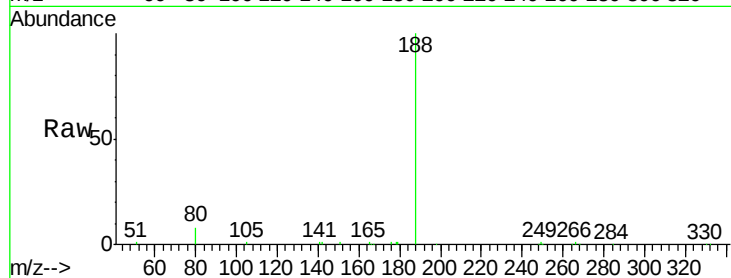
Tot Ion:188 Resp: 17942

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

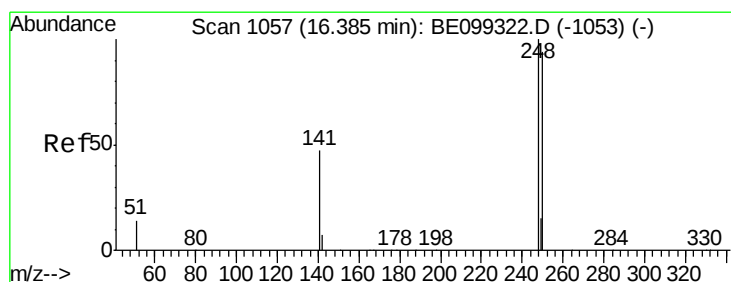
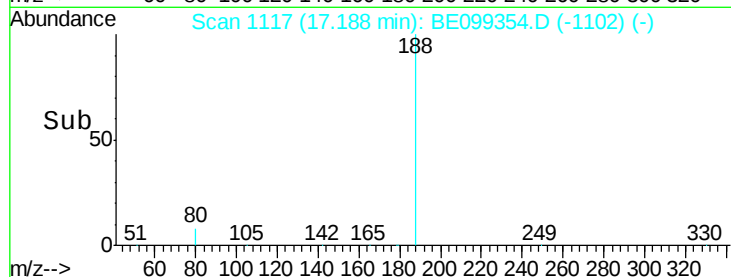
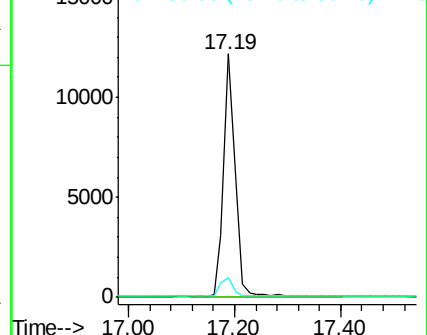
80 8.3 6.2 9.4



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: 0.242 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

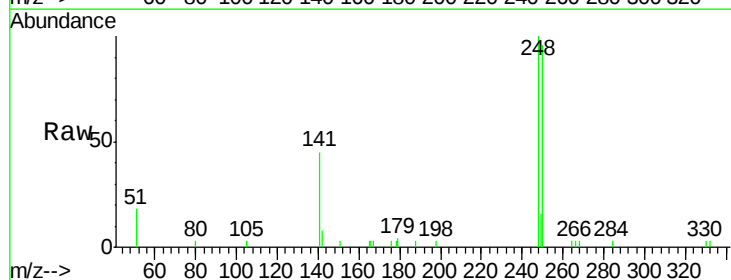
Tgt Ion:248 Resp: 2406

Ion Ratio Lower Upper

248 100

250 95.6 77.0 115.6

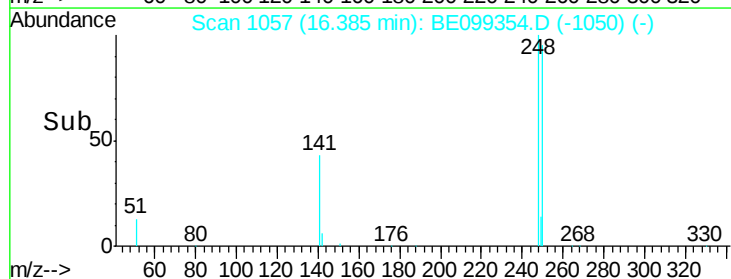
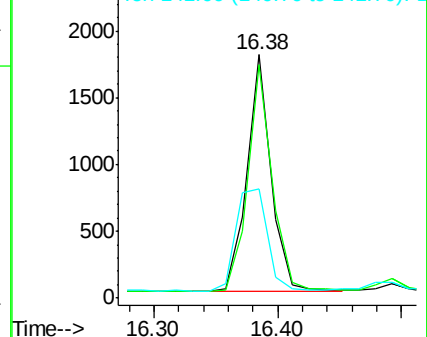
141 44.9 31.1 46.7

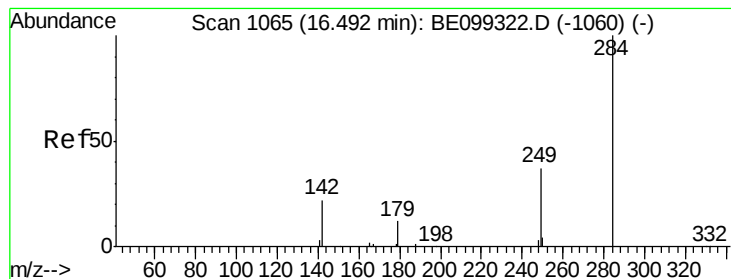


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.262 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampled :

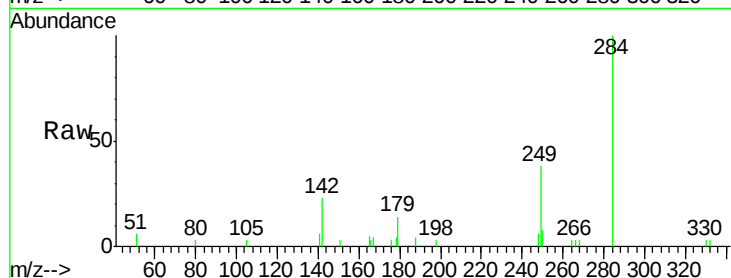
Tot Ion:284 Resp: 2504

Ion Ratio Lower Upper

284 100

142 29.2 21.8 32.6

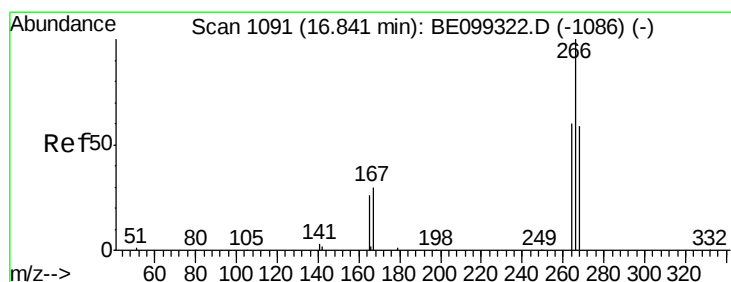
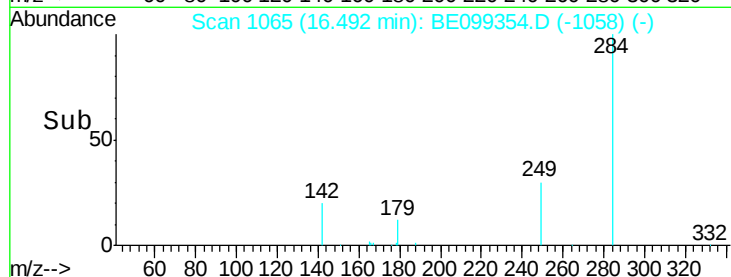
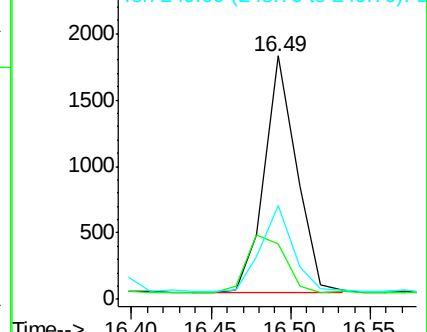
249 34.9 26.2 39.4



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: 0.531 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

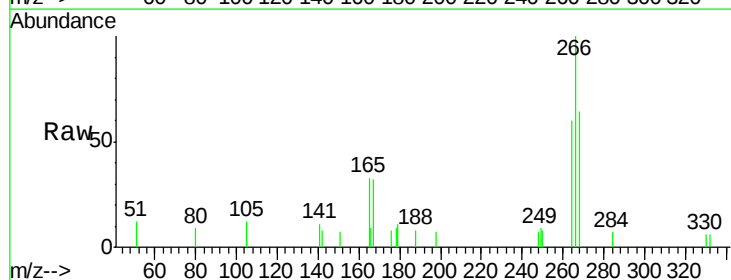
Tgt Ion:266 Resp: 1198

Ion Ratio Lower Upper

266 100

264 60.1 54.5 81.7

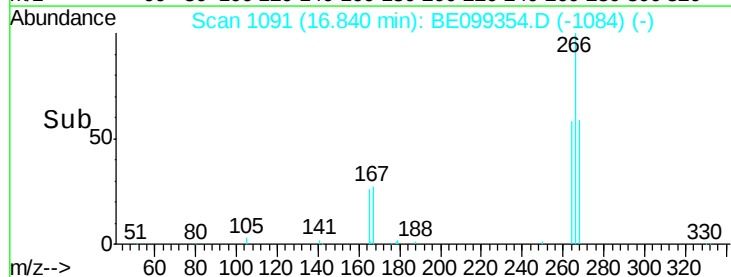
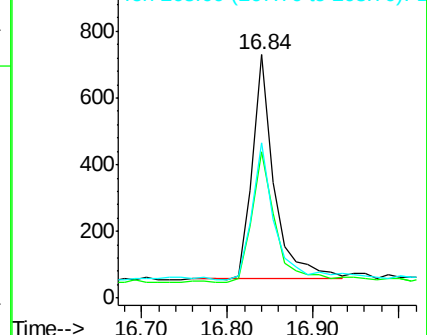
268 63.8 54.3 81.5

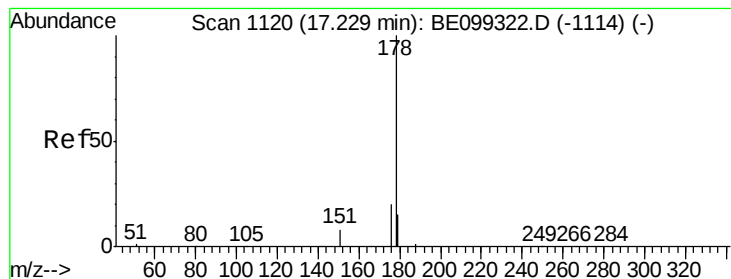


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.260 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :

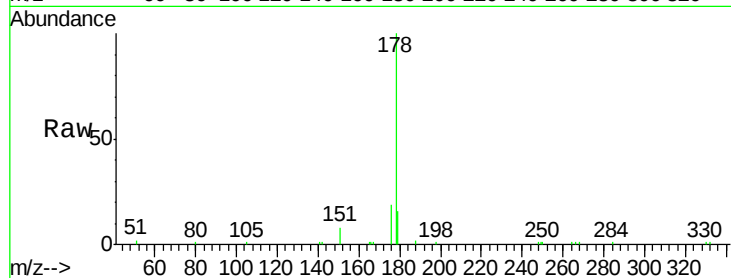
Tot Ion:178 Resp: 12361

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

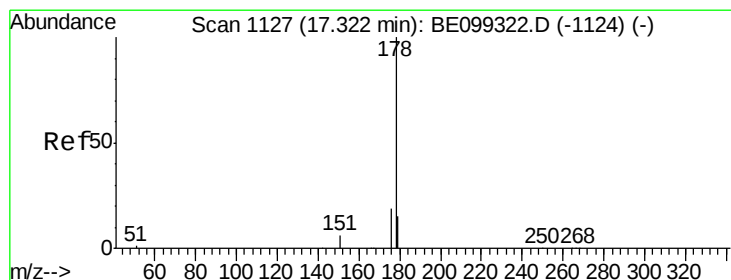
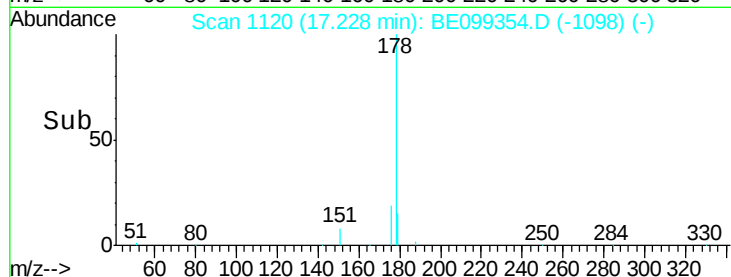
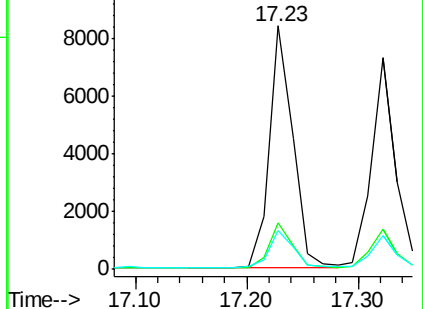
179 15.8 12.4 18.6



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



#24

Anthracene

Concen: 0.255 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

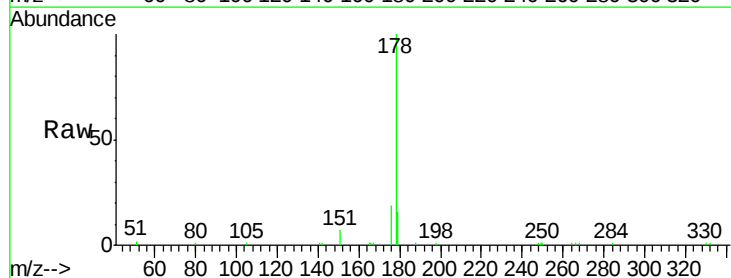
Tgt Ion:178 Resp: 10761

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

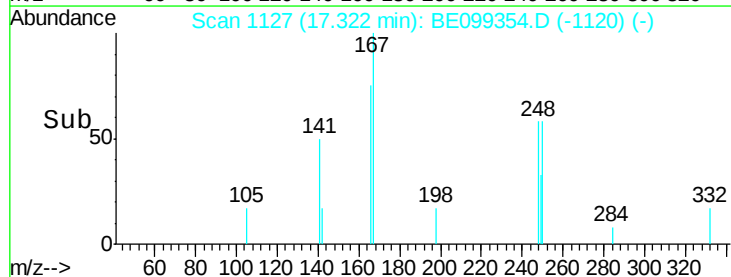
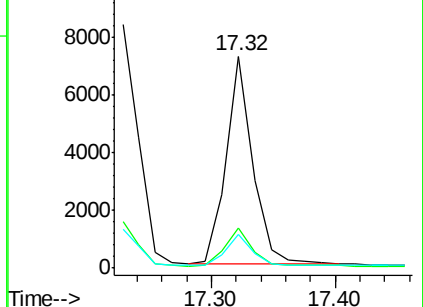
179 15.0 11.9 17.9

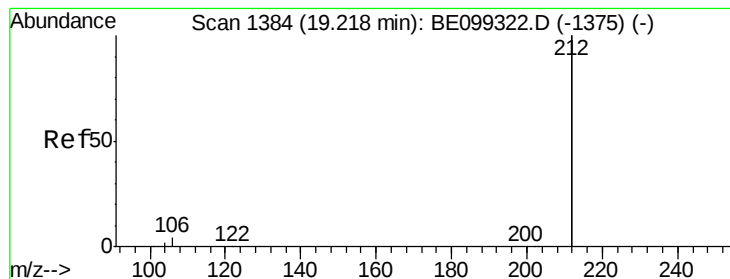


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.395 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :

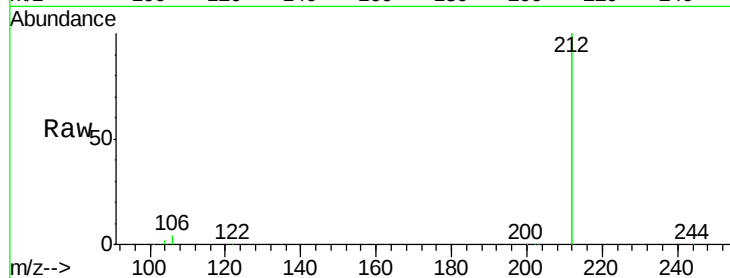
Tot Ion:212 Resp: 85164

Ion Ratio Lower Upper

212 100

106 2.1 1.8 2.6

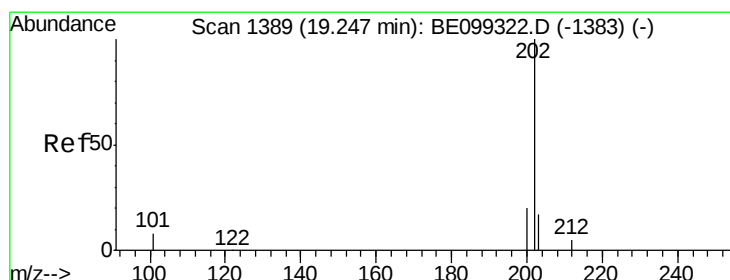
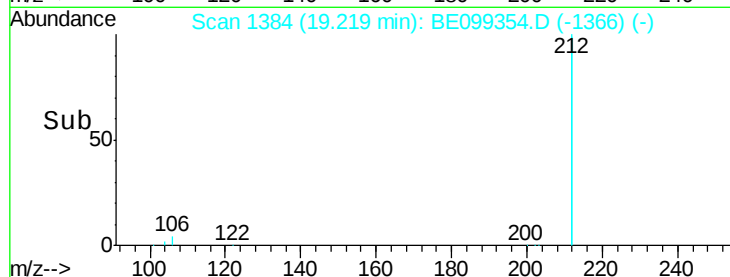
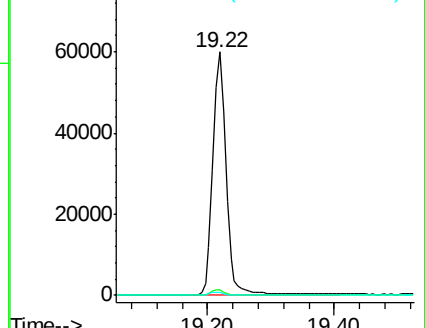
104 1.3 1.0 1.4



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: 0.271 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

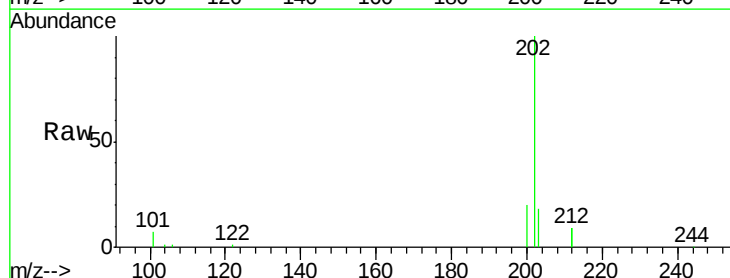
Tgt Ion:202 Resp: 17234

Ion Ratio Lower Upper

202 100

101 7.6 6.4 9.6

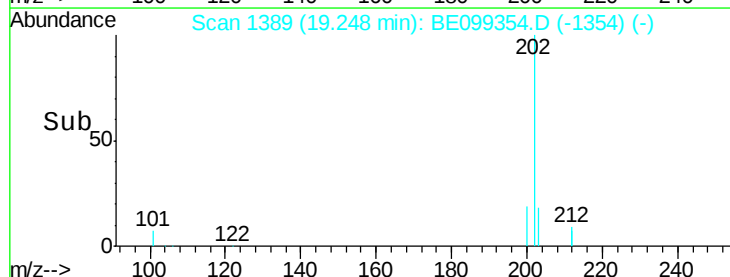
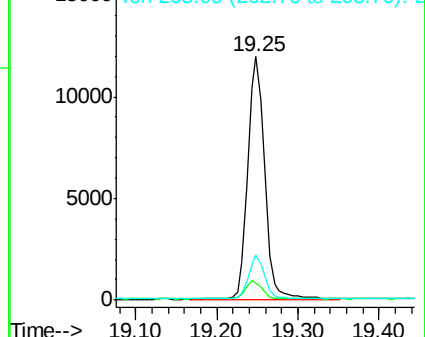
203 16.8 13.5 20.3

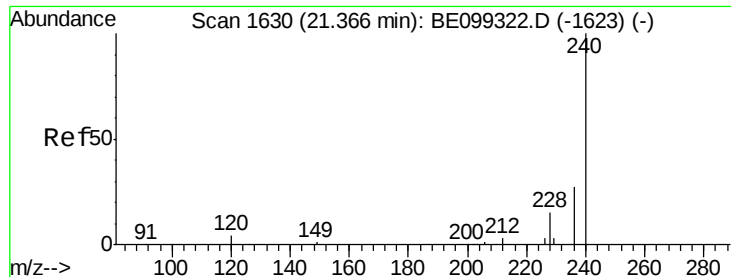


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

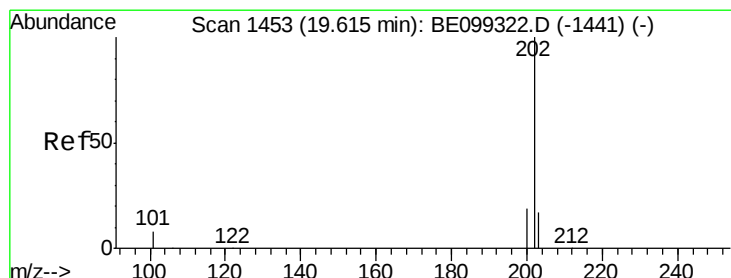
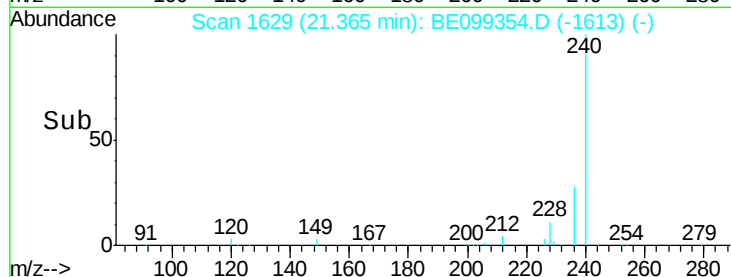
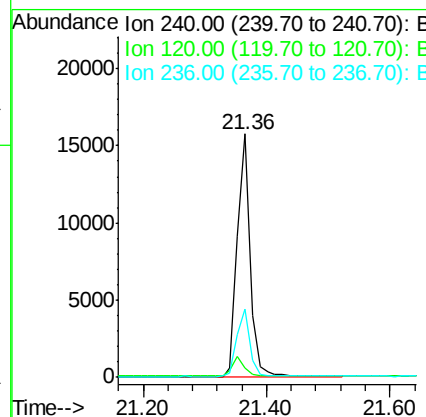
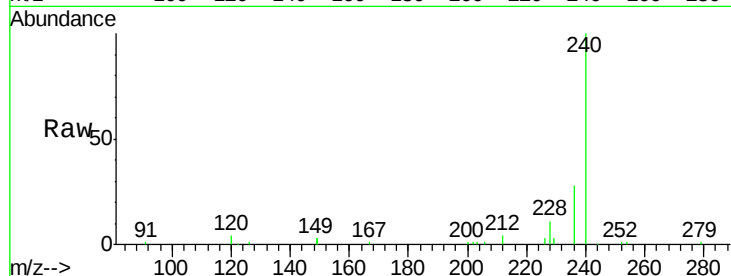




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.36 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099354.D
Acq: 25 Apr 2019 10:49

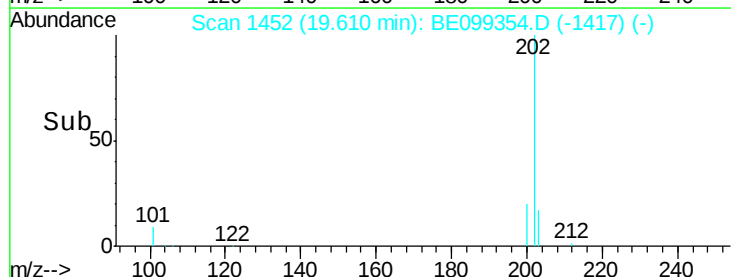
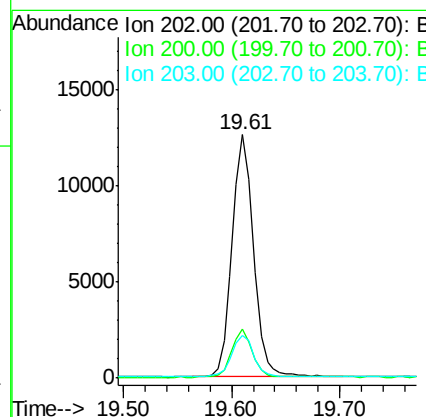
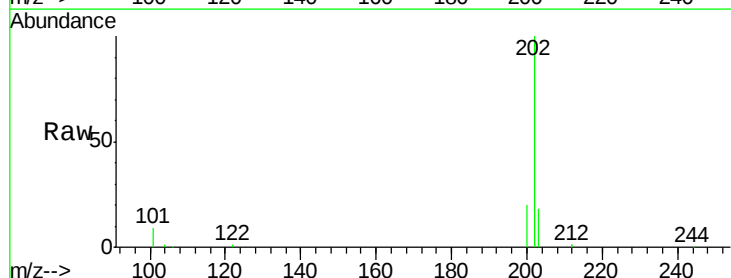
Instrument :
BNA_E
ClientSampleId :

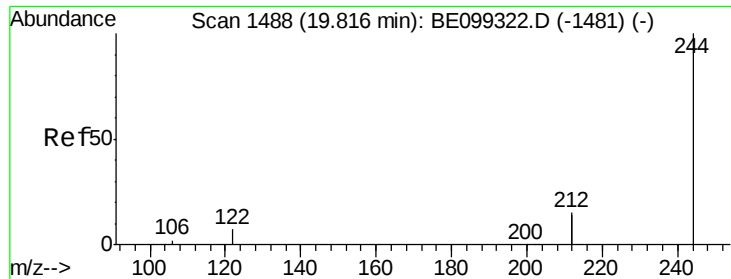
Tot Ion:240 Resp: 22584
Ion Ratio Lower Upper
240 100
120 4.0 2.2 3.2#
236 28.0 20.2 30.4



#28
Pyrene
Concen: 0.261 ng
RT: 19.61 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE099354.D
Acq: 25 Apr 2019 10:49

Tgt Ion:202 Resp: 17392
Ion Ratio Lower Upper
202 100
200 19.4 15.7 23.5
203 18.3 13.7 20.5





#29

Terphenyl-d14

Concen: 0.348 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :

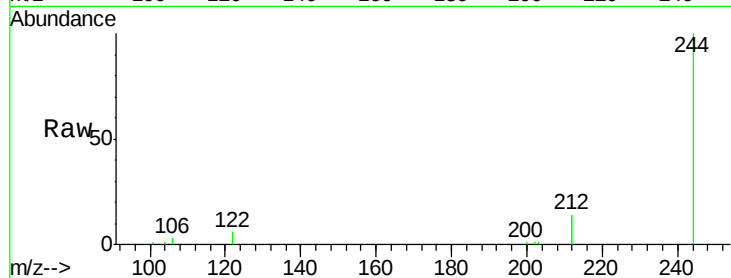
Tot Ion:244 Resp: 15458

Ion Ratio Lower Upper

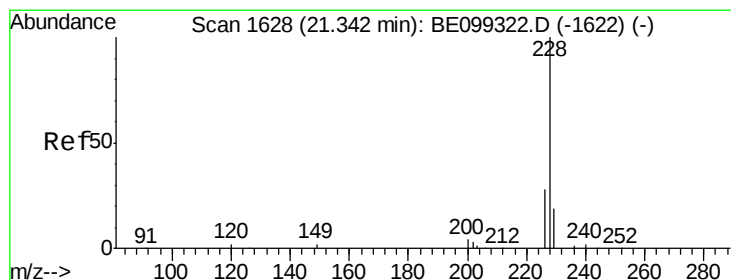
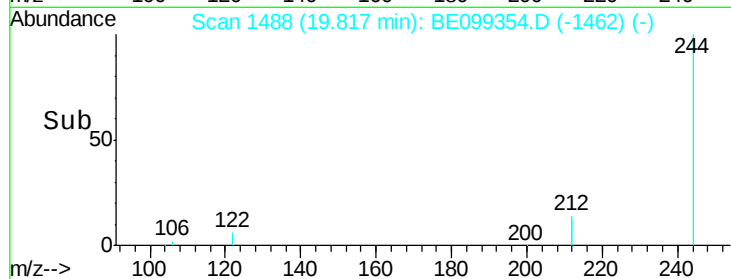
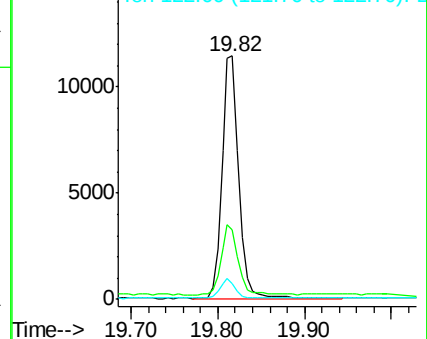
244 100

212 28.4 22.6 33.8

122 6.4 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: 0.311 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

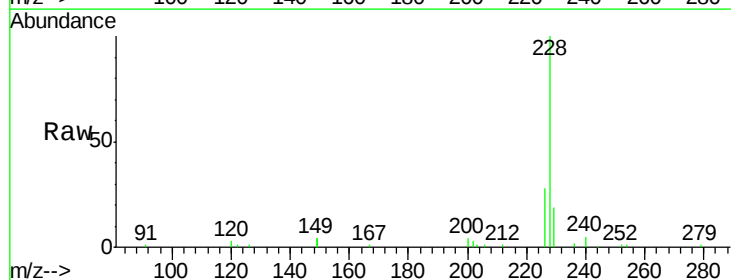
Tgt Ion:228 Resp: 20667

Ion Ratio Lower Upper

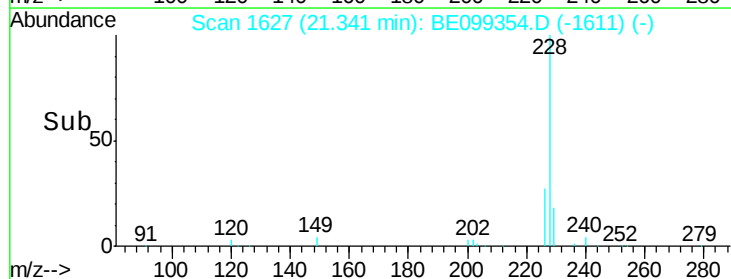
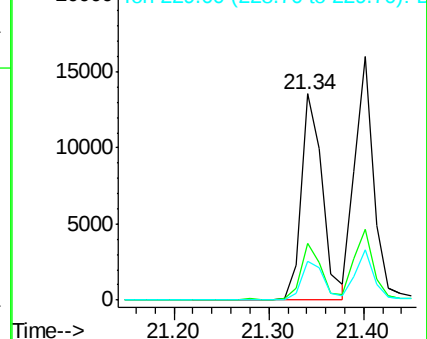
228 100

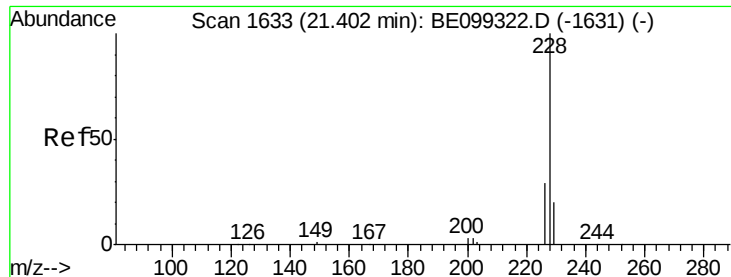
226 27.8 22.0 33.0

229 18.6 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: 0.310 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :

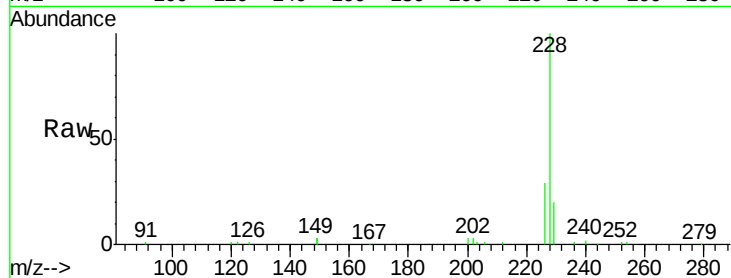
Tot Ion:228 Resp: 21888

Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

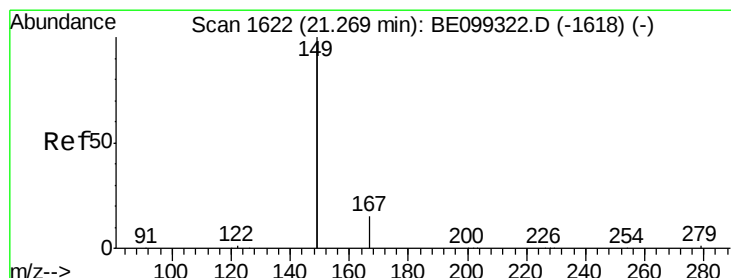
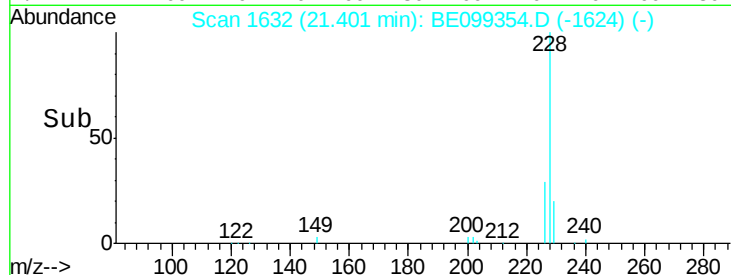
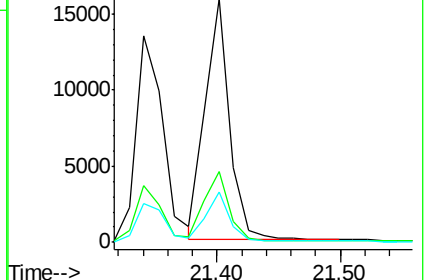
229 20.5 16.2 24.2



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: 0.248 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

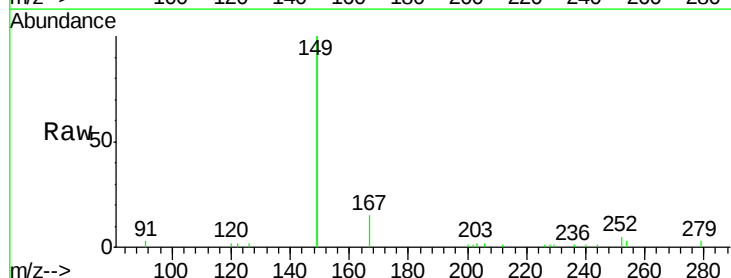
Tgt Ion:149 Resp: 14985

Ion Ratio Lower Upper

149 100

167 7.4 6.0 9.0

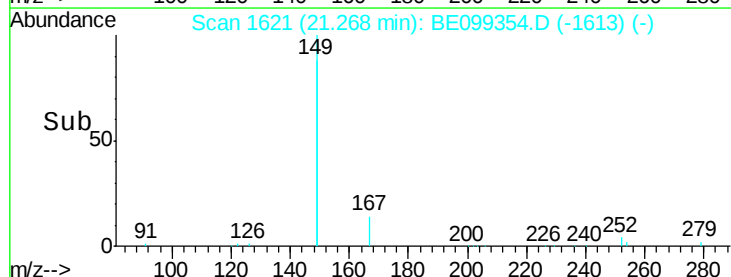
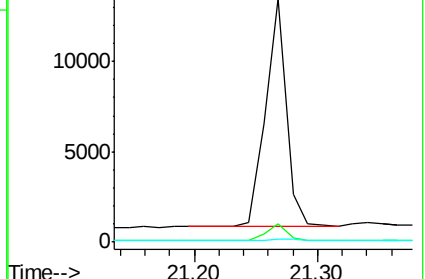
279 1.4 1.1 1.7

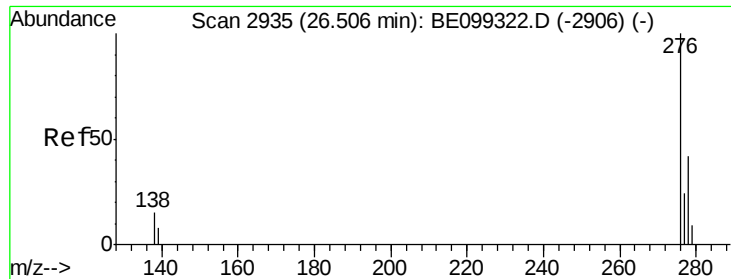


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

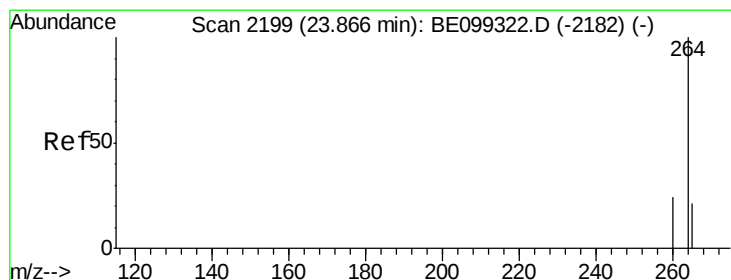
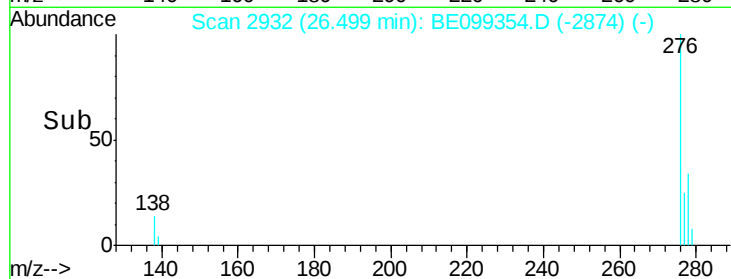
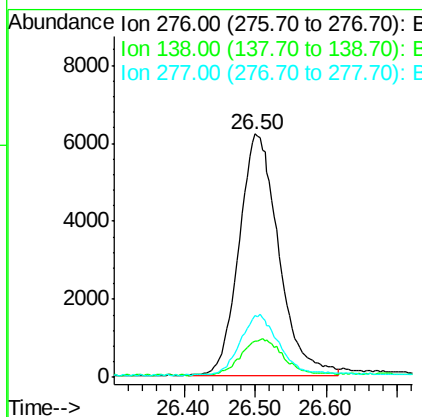
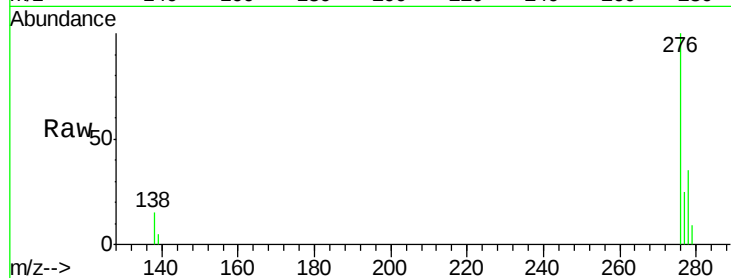




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.348 ng
 RT: 26.50 min Scan# 2932
 Delta R.T. 0.01 min
 Lab File: BE099354.D
 Acq: 25 Apr 2019 10:49

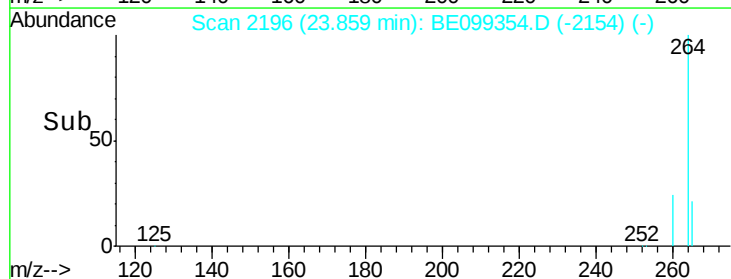
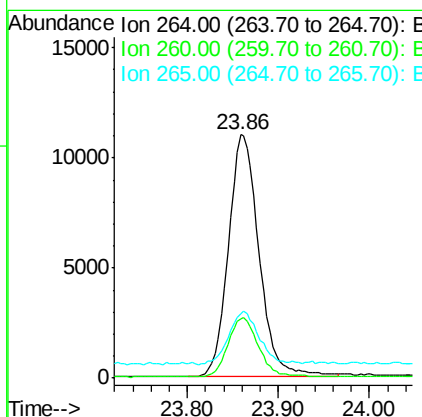
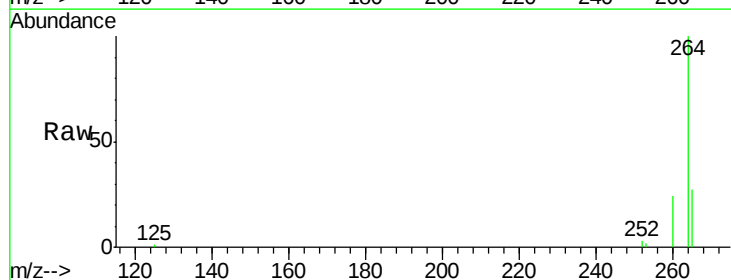
Instrument :
 BNA_E
 ClientSampleId :

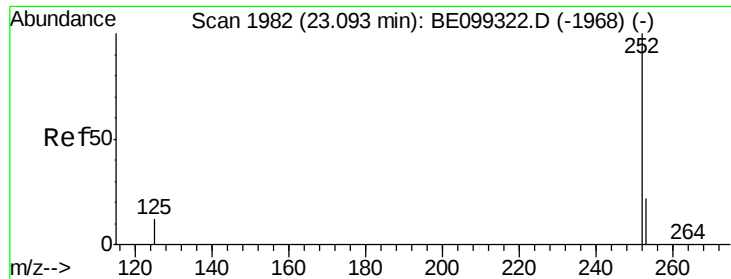
Tot Ion:276 Resp: 24300
 Ion Ratio Lower Upper
 276 100
 138 15.6 12.7 19.1
 277 24.2 19.6 29.4



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: BE099354.D
 Acq: 25 Apr 2019 10:49

Tgt Ion:264 Resp: 25808
 Ion Ratio Lower Upper
 264 100
 260 24.2 20.1 30.1
 265 26.6 19.9 29.9





#35

Benzo(b)fluoranthene

Concen: 0.270 ng

RT: 23.09 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :

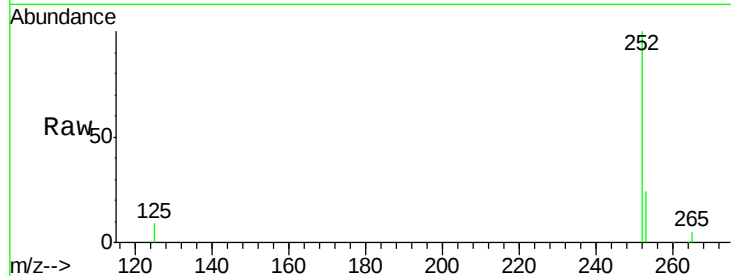
Tot Ion:252 Resp: 21308

Ion Ratio Lower Upper

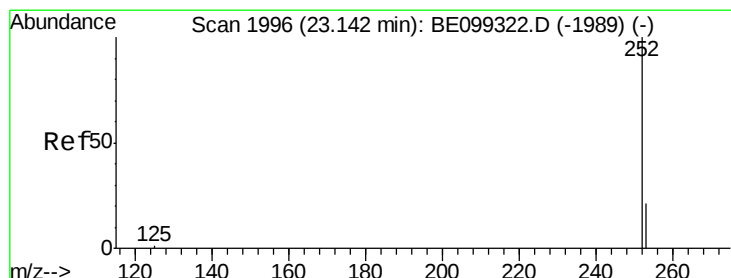
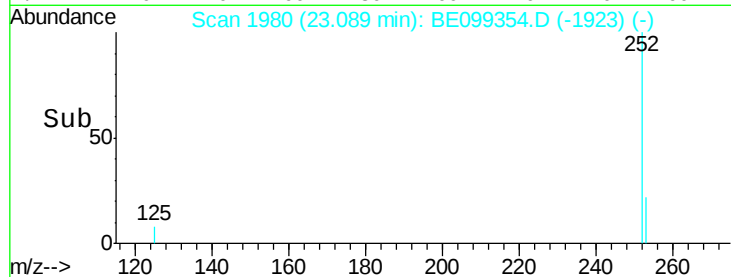
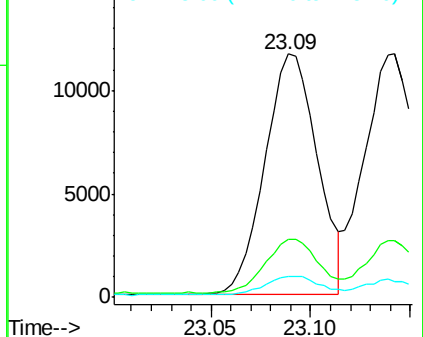
252 100

253 23.8 17.3 25.9

125 8.6 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: 0.286 ng

RT: 23.14 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

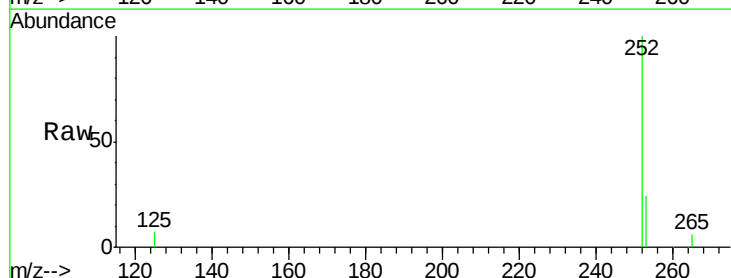
Tgt Ion:252 Resp: 22493

Ion Ratio Lower Upper

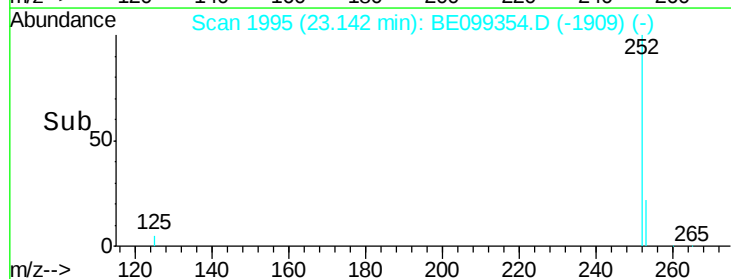
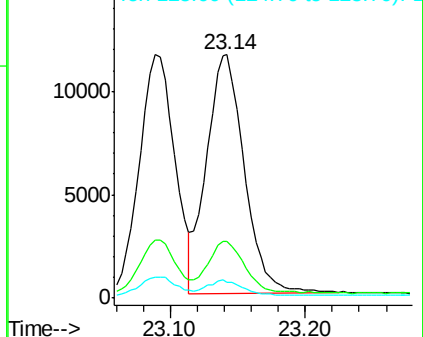
252 100

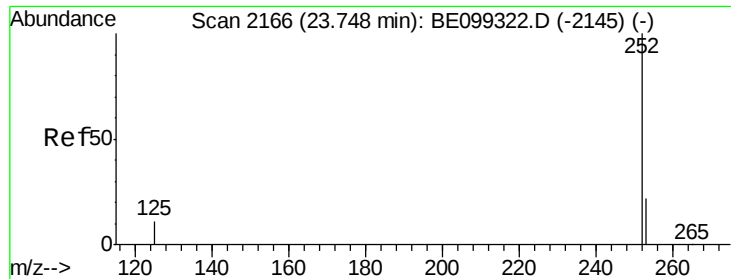
253 23.6 18.4 27.6

125 6.6 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: 0.288 ng

RT: 23.75 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :

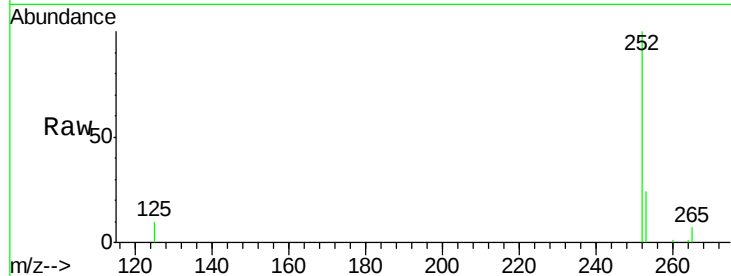
Tot Ion:252 Resp: 20370

Ion Ratio Lower Upper

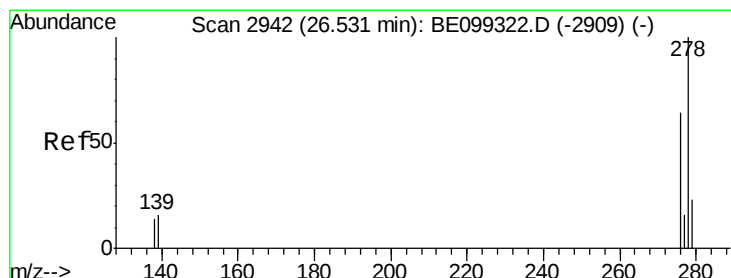
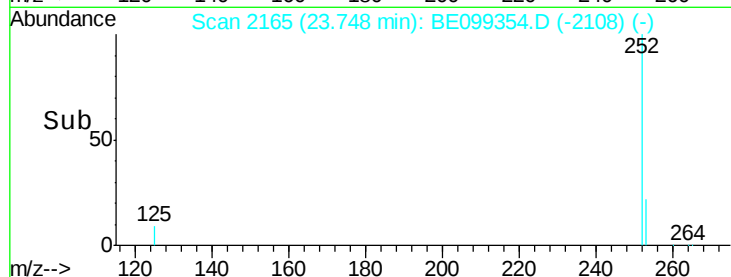
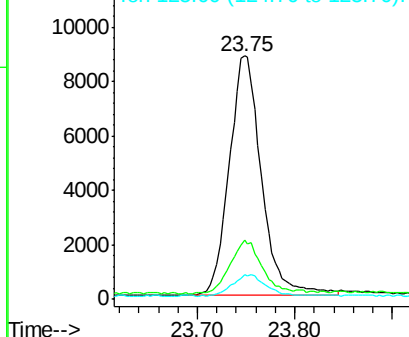
252 100

253 24.4 17.6 26.4

125 10.1 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: 0.277 ng

RT: 26.53 min Scan# 2941

Delta R.T. 0.01 min

Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

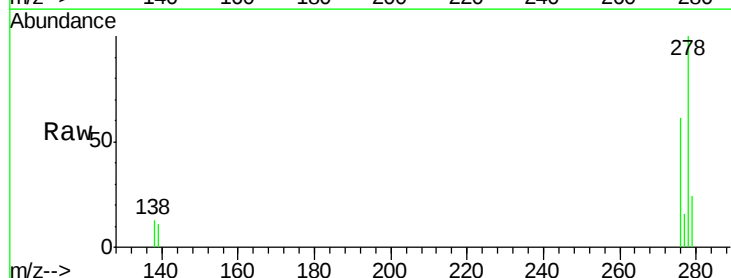
Tgt Ion:278 Resp: 20010

Ion Ratio Lower Upper

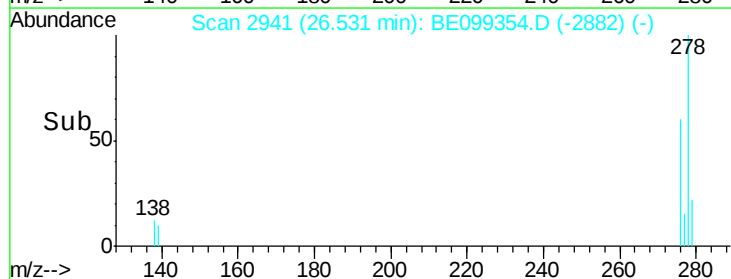
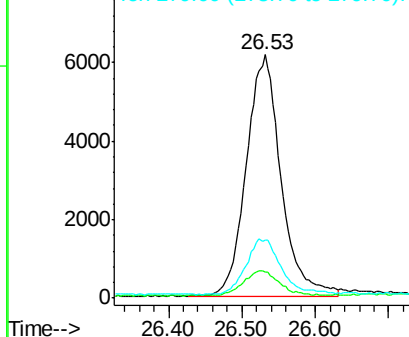
278 100

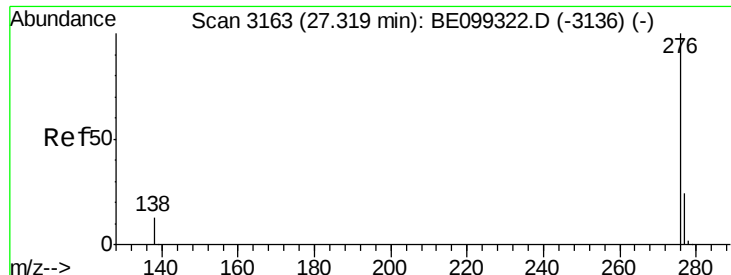
139 10.7 8.5 12.7

279 23.6 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: 0.287 ng

RT: 27.31 min Scan# 3160

Delta R.T. 0.01 min

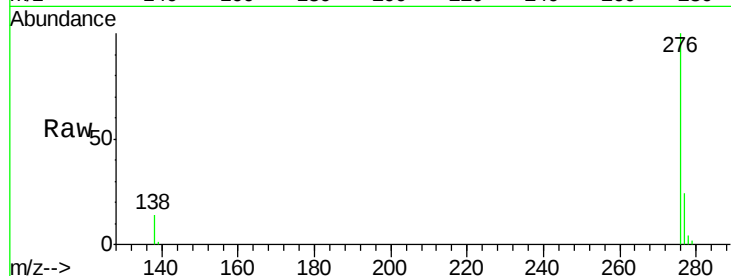
Lab File: BE099354.D

Acq: 25 Apr 2019 10:49

Instrument :

BNA_E

ClientSampleId :



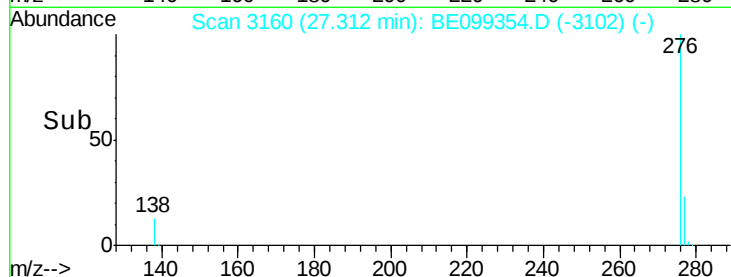
Tot Ion: 276 Resp: 21076

Ion Ratio Lower Upper

276 100

277 24.0 20.0 30.0

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

