

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099183.D
 Acq On : 25 Mar 2019 15:51
 Operator : JU/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE032519

Quant Time: Mar 25 16:37:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 25 15:10:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3991	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	18203	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	12891	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	33975	0.40	ng	0.00
27) Chrysene-d12	21.38	240	37185	0.40	ng	-0.01
34) Perylene-d12	23.89	264	38168	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	4080	0.34	ng	0.00
5) Phenol-d6	6.99	99	6094	0.33	ng	0.00
8) Nitrobenzene-d5	8.99	82	5018	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	12360	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1215	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	18787	0.36	ng	0.00
25) Fluoranthene-d10	19.24	212	142700	0.35	ng	0.00
29) Terphenyl-d14	19.83	244	29390	0.36	ng	0.00

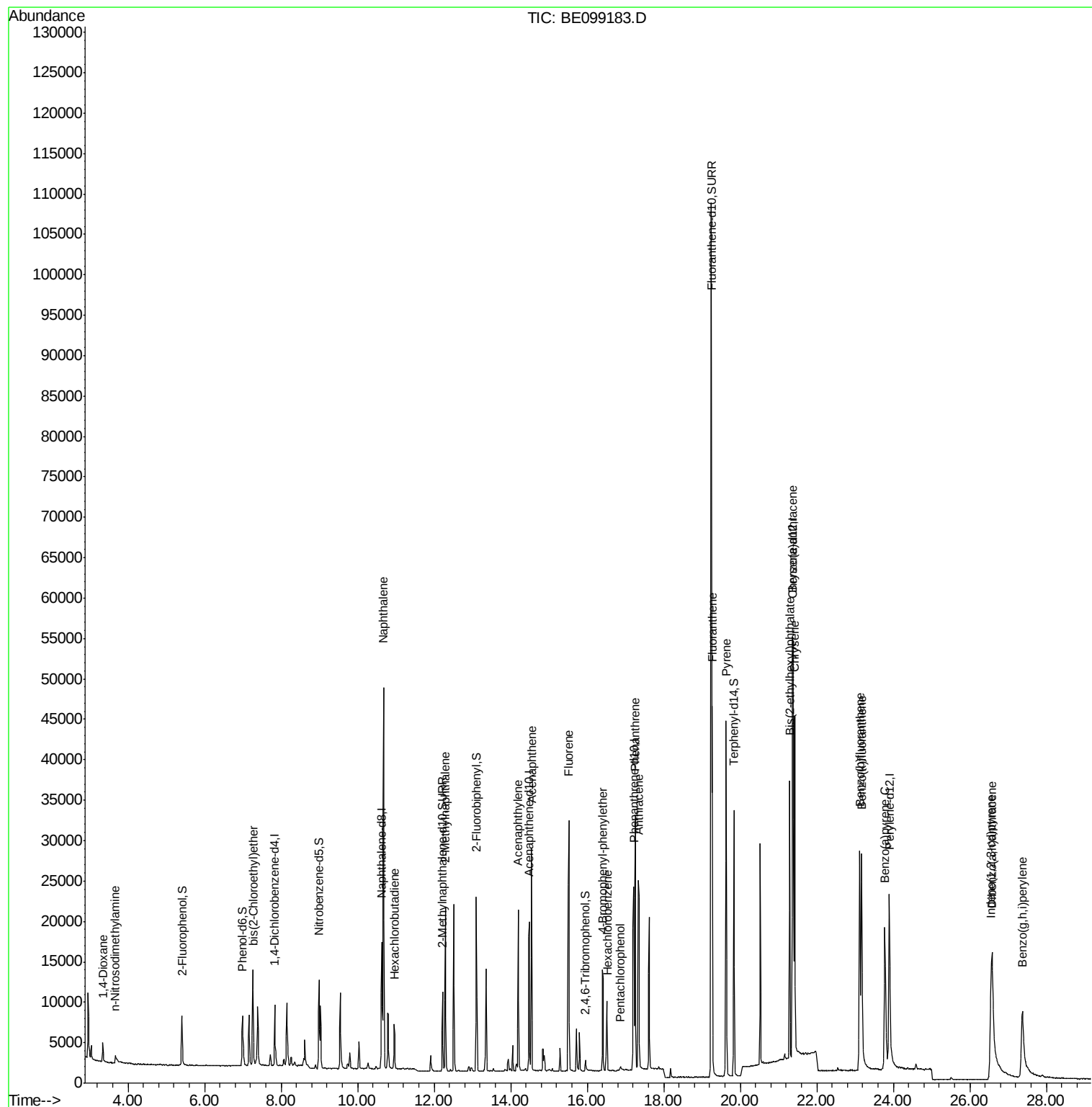
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	1736	0.330	ng	# 89
3) n-Nitrosodimethylamine	3.67	42	837	0.284	ng	# 95
6) bis(2-Chloroethyl)ether	7.26	93	4939	0.345	ng	99
9) Naphthalene	10.68	128	74730	0.348	ng	100
10) Hexachlorobutadiene	10.95	225	4062	0.355	ng	97
12) 2-Methylnaphthalene	12.30	142	13204	0.344	ng	99
16) Acenaphthylene	14.20	152	22003	0.335	ng	99
17) Acenaphthene	14.54	154	13905	0.354	ng	98
18) Fluorene	15.52	166	19223	0.348	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	7398	0.337	ng	99
21) Hexachlorobenzene	16.52	284	7379	0.348	ng	99
22) Pentachlorophenol	16.87	266	480	0.172	ng	95
23) Phenanthrene	17.26	178	34311	0.344	ng	99
24) Anthracene	17.34	178	29246	0.324	ng	99
26) Fluoranthene	19.27	202	42321	0.332	ng	99
28) Pyrene	19.63	202	43048	0.348	ng	100
30) Benzo(a)anthracene	21.37	228	40800	0.333	ng	99
31) Chrysene	21.43	228	45424	0.346	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	38892	0.266	ng	100
33) Indeno(1,2,3-cd)pyrene	26.56	276	38048	0.307	ng	98
35) Benzo(b)fluoranthene	23.12	252	40462	0.322	ng	99
36) Benzo(k)fluoranthene	23.17	252	46632	0.351	ng	99
37) Benzo(a)pyrene	23.78	252	38763	0.330	ng	99
38) Dibenzo(a,h)anthracene	26.58	278	30982	0.297	ng	98
39) Benzo(g,h,i)perylene	27.37	276	28465	0.272	ng	99

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

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ICVBE032519

Quant Time: Mar 25 16:36:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 25 15:10:56 2019
Response via : Initial Calibration



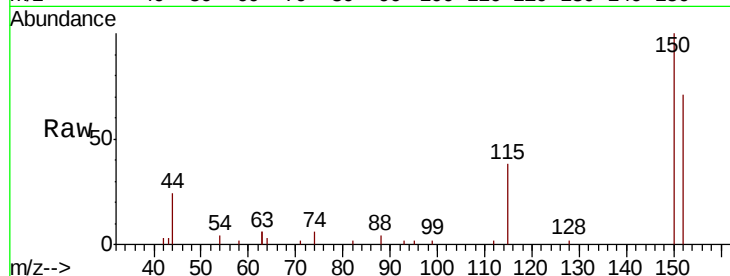


#1

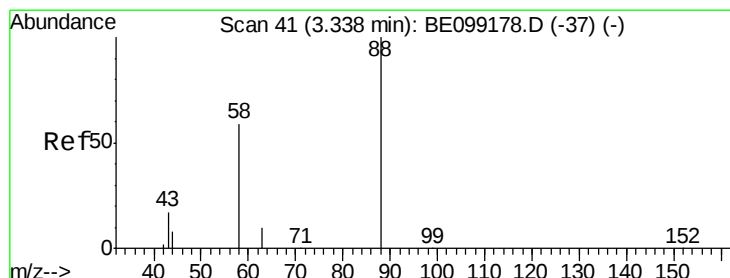
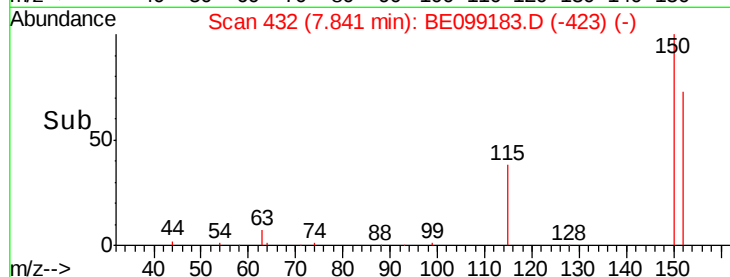
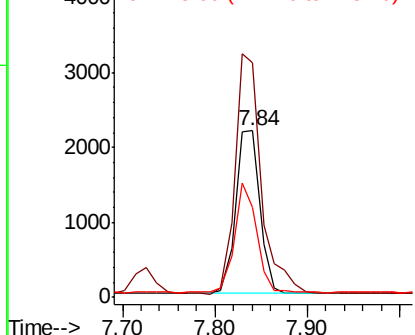
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099183.D
Acq: 25 Mar 2019 15:51

Instrument :
BNA_E
ClientSampleId :
ICVBE032519

Tot Ion:152 Resp: 3991
Ion Ratio Lower Upper
152 100
150 141.1 112.8 169.2
115 54.2 45.1 67.7



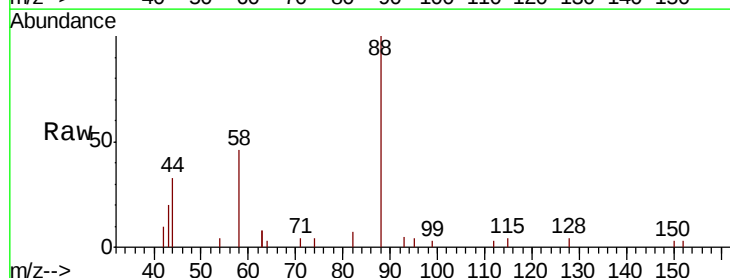
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



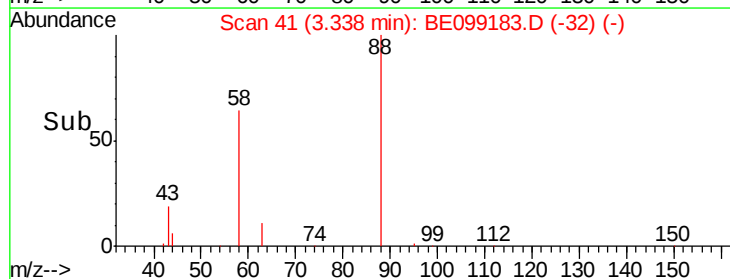
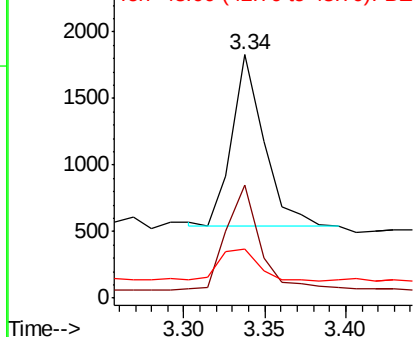
#2

1,4-Dioxane
Concen: 0.330 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE099183.D
Acq: 25 Mar 2019 15:51

Tgt Ion: 88 Resp: 1736
Ion Ratio Lower Upper
88 100
58 67.9 47.4 71.0
43 23.6 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: 0.284 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

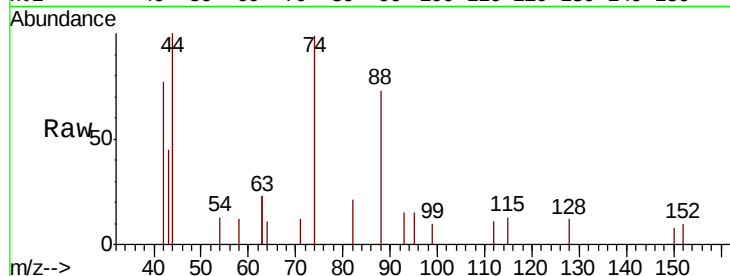
Tot Ion: 42 Resp: 837

Ion Ratio Lower Upper

42 100

74 178.0 138.6 207.8

44 9.3 15.0 22.6#

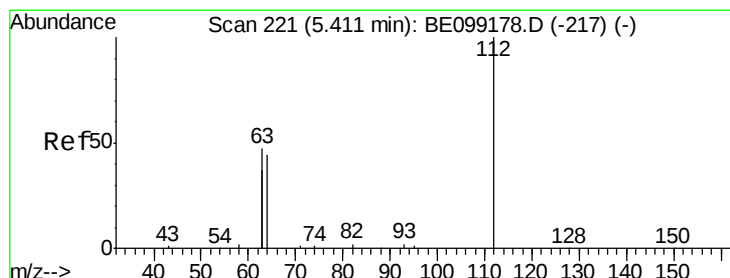
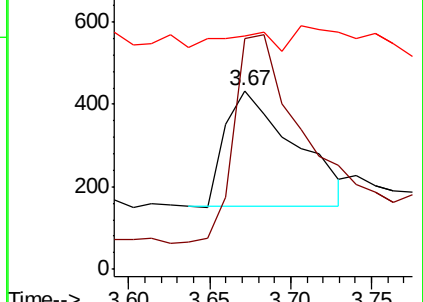
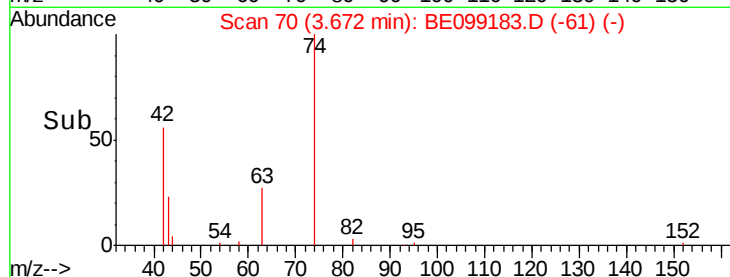


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

Time-->



#4

2-Fluorophenol

Concen: 0.342 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

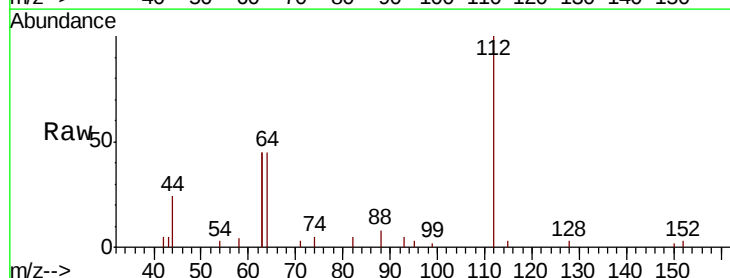
Tgt Ion: 112 Resp: 4080

Ion Ratio Lower Upper

112 100

64 55.4 46.2 69.2

63 117.5 89.9 134.9

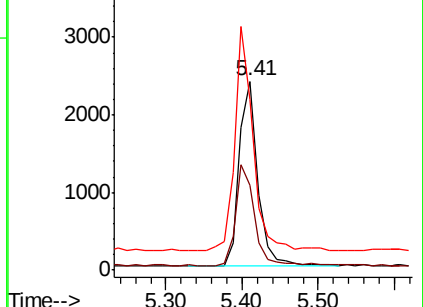
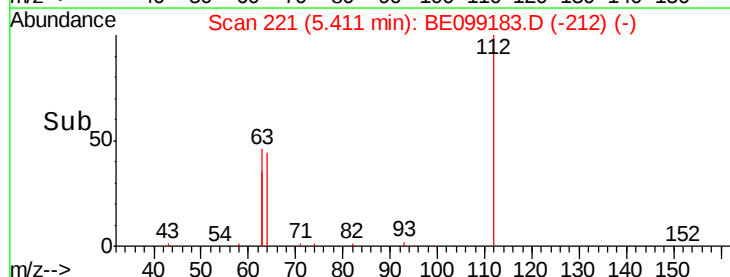


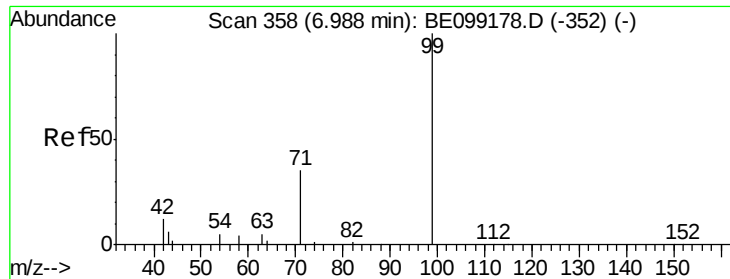
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->





#5

Phenol-d6

Concen: 0.335 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

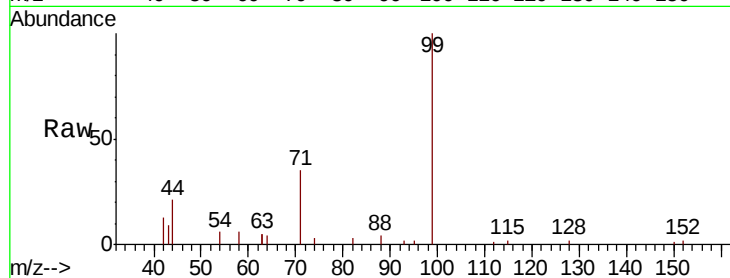
Tot Ion: 99 Resp: 6094

Ion Ratio Lower Upper

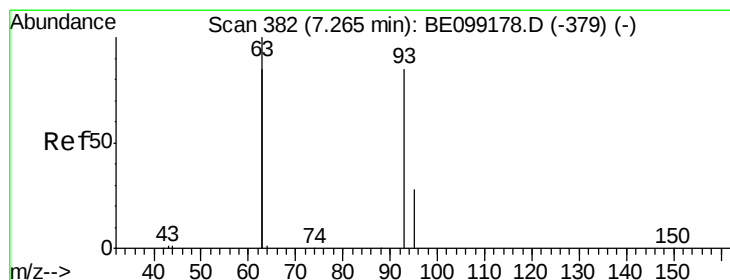
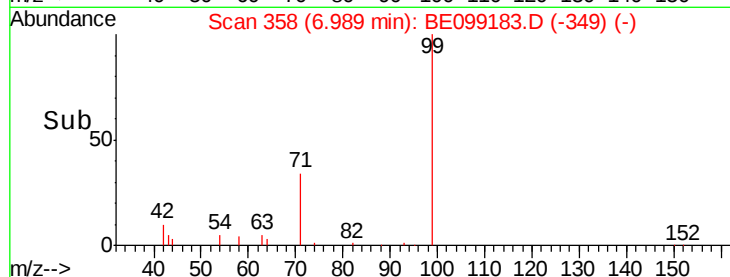
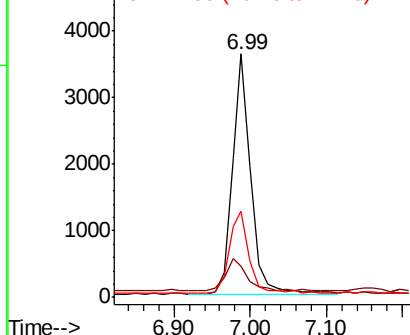
99 100

42 16.1 12.4 18.6

71 38.2 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.345 ng

RT: 7.26 min Scan# 382

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

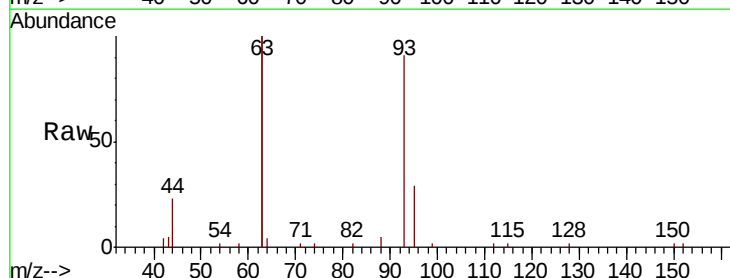
Tgt Ion: 93 Resp: 4939

Ion Ratio Lower Upper

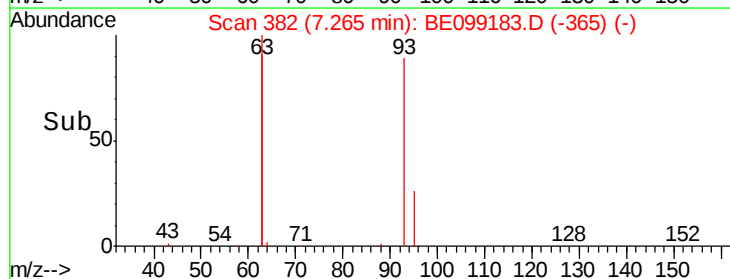
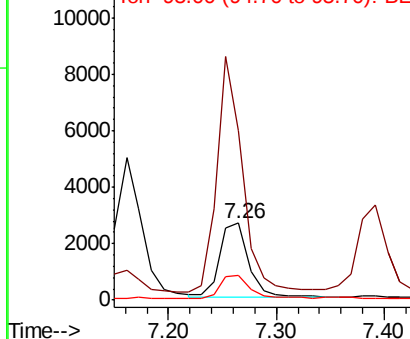
93 100

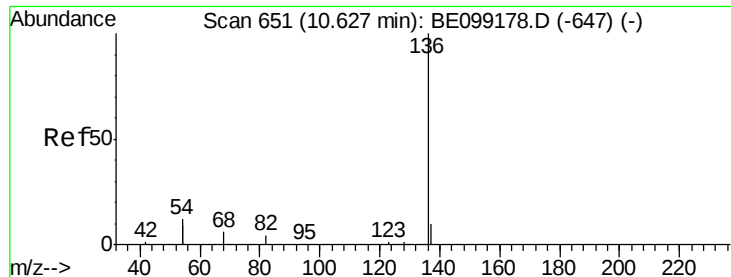
63 275.6 221.4 332.0

95 31.1 25.8 38.8



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

Tot Ion:136 Resp: 18203

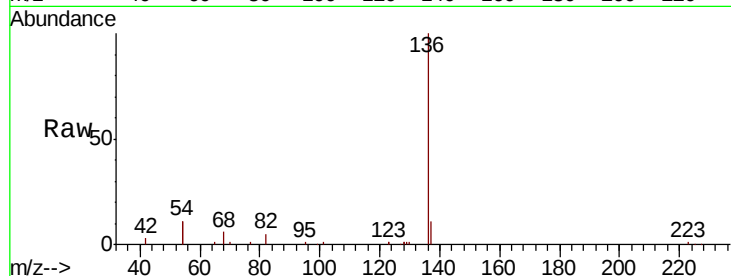
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 22.7 18.7 28.1

68 6.1 5.2 7.8

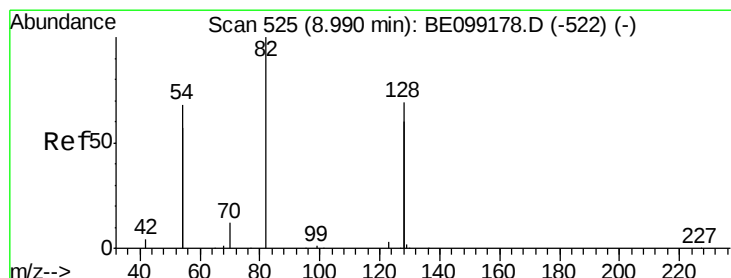
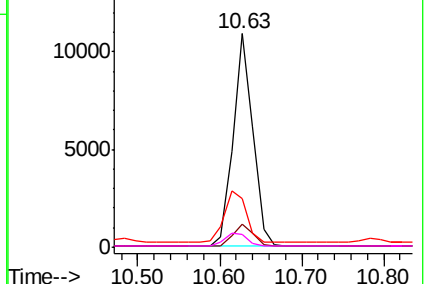
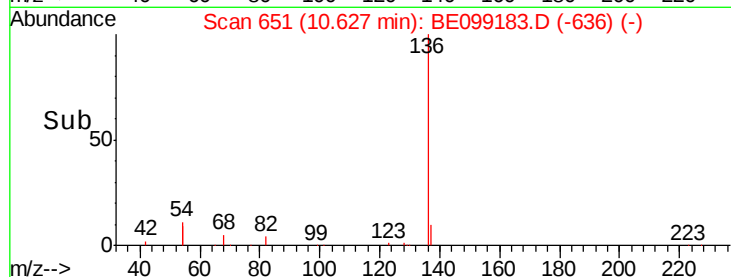


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.338 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

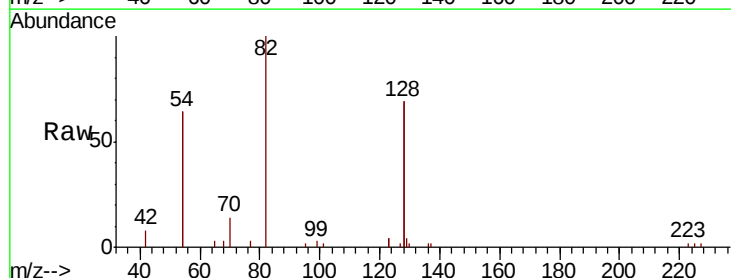
Tgt Ion: 82 Resp: 5018

Ion Ratio Lower Upper

82 100

128 137.9 107.5 161.3

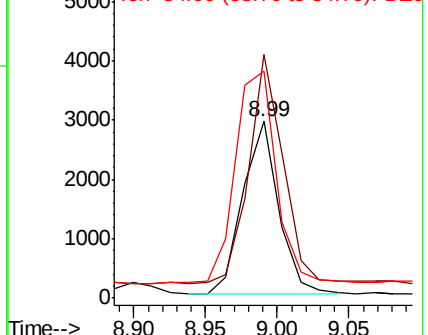
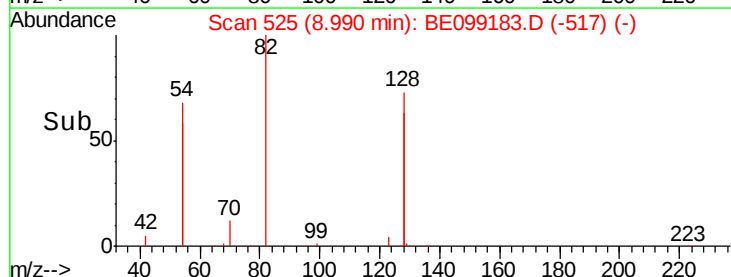
54 128.7 106.3 159.5

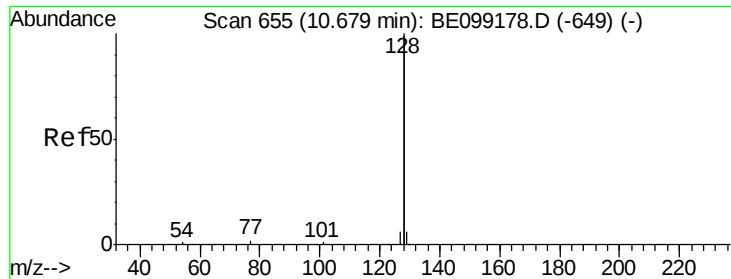


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.348 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

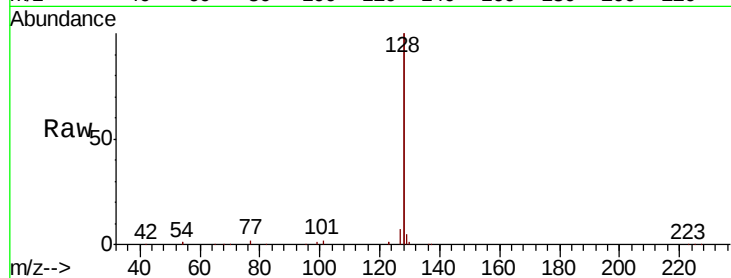
Tot Ion:128 Resp: 74730

Ion Ratio Lower Upper

128 100

129 2.7 2.3 3.5

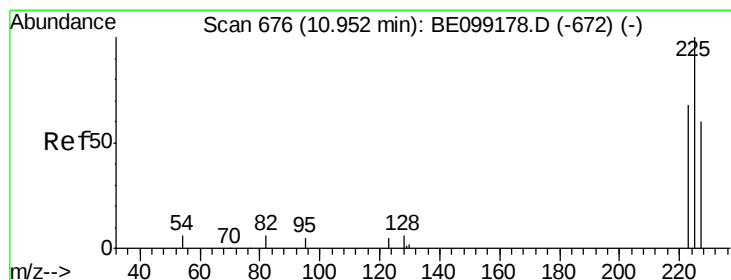
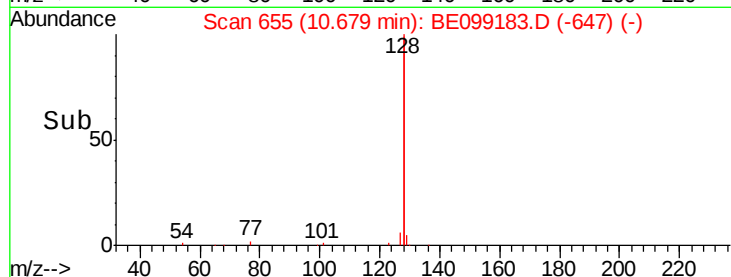
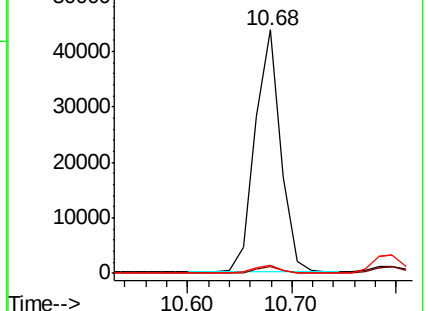
127 3.3 2.6 3.8



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: 0.355 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

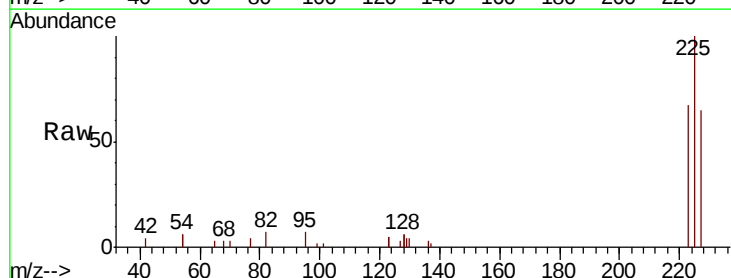
Tgt Ion:225 Resp: 4062

Ion Ratio Lower Upper

225 100

223 65.3 51.3 76.9

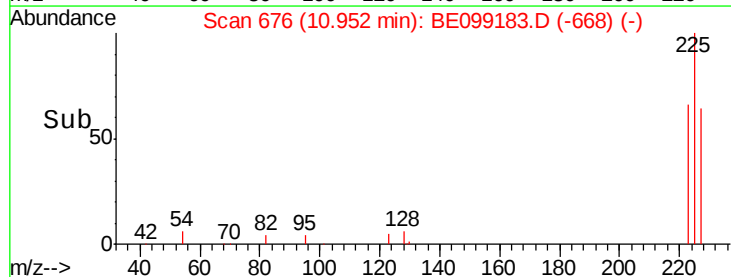
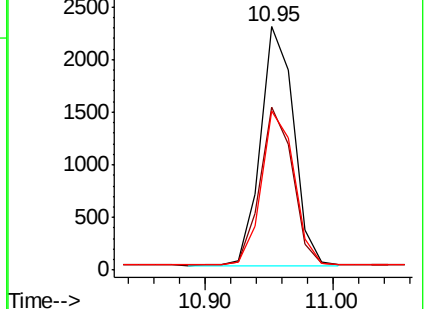
227 63.8 48.6 73.0

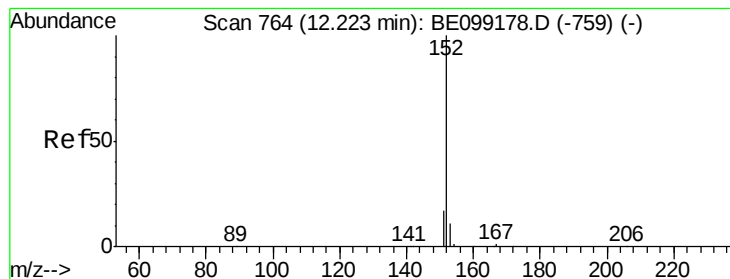


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.352 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

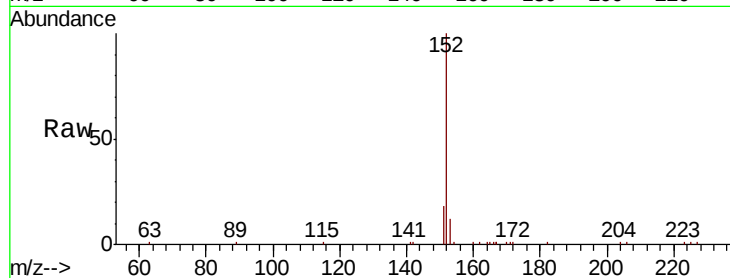
ICVBE032519

Tot Ion:152 Resp: 12360

Ion Ratio Lower Upper

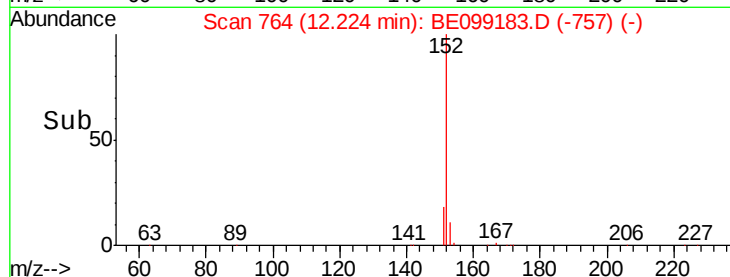
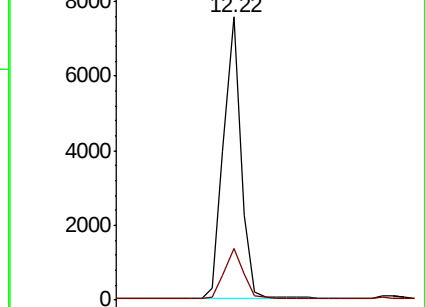
152 100

151 18.9 15.0 22.6

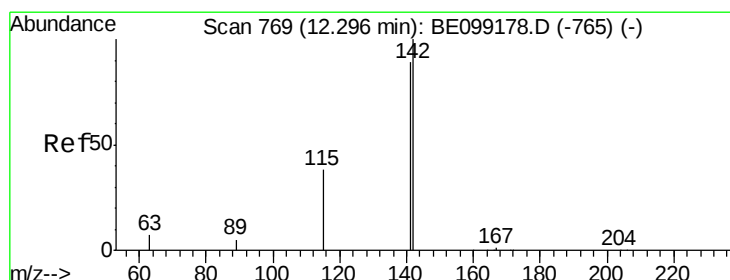


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.344 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

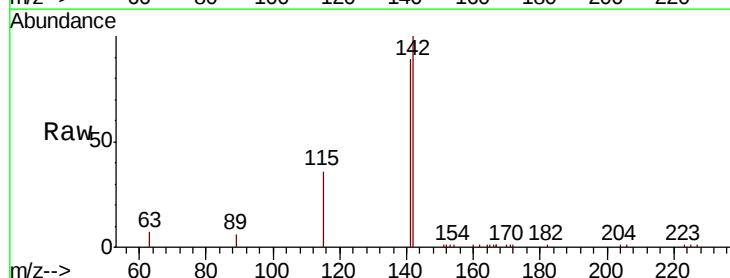
Tgt Ion:142 Resp: 13204

Ion Ratio Lower Upper

142 100

141 88.8 71.3 106.9

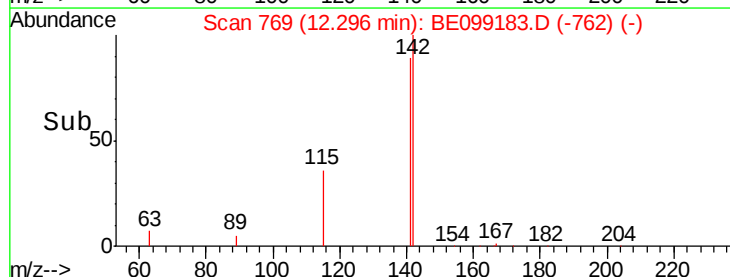
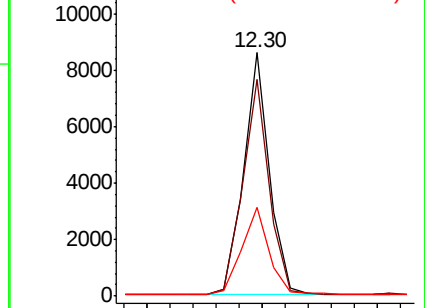
115 36.5 30.4 45.6



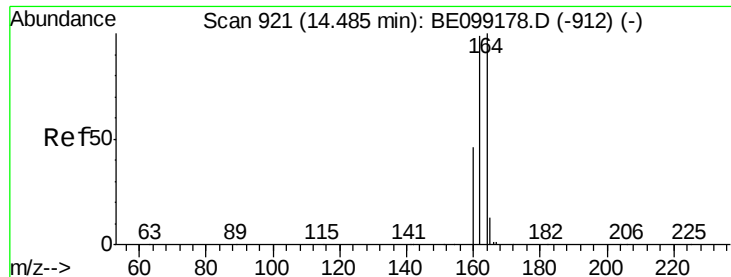
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

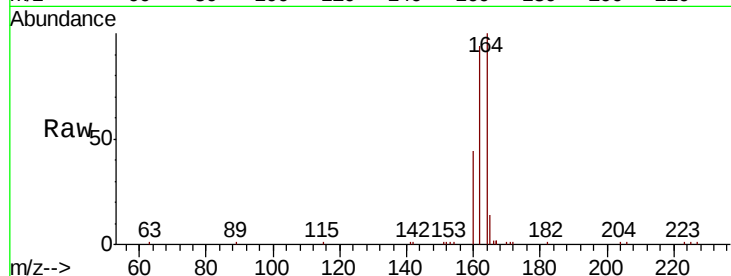
Tot Ion:164 Resp: 12891

Ion Ratio Lower Upper

164 100

162 93.7 79.2 118.8

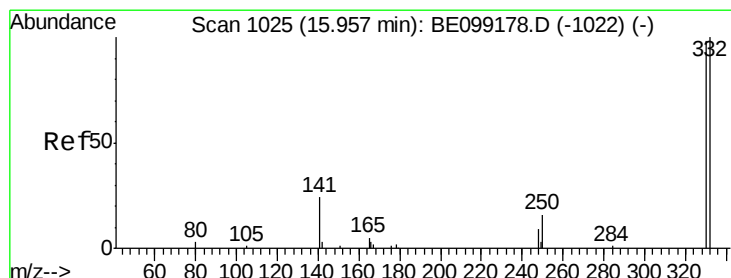
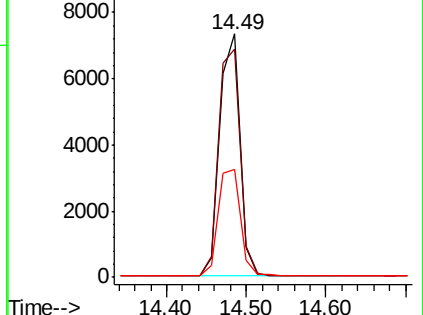
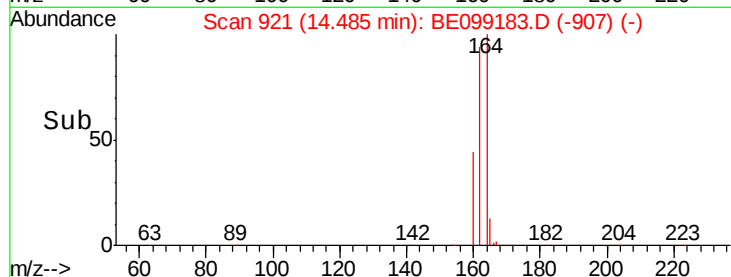
160 44.4 36.7 55.1



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: 0.396 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

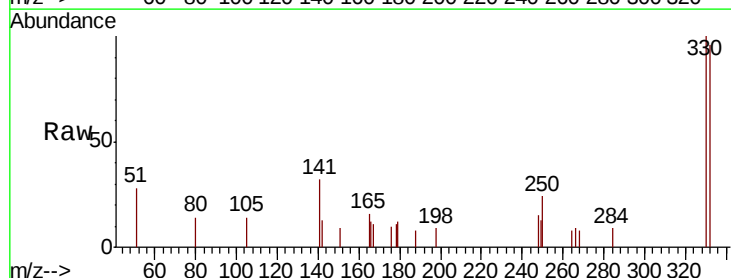
Tgt Ion:330 Resp: 1215

Ion Ratio Lower Upper

330 100

332 96.0 71.3 106.9

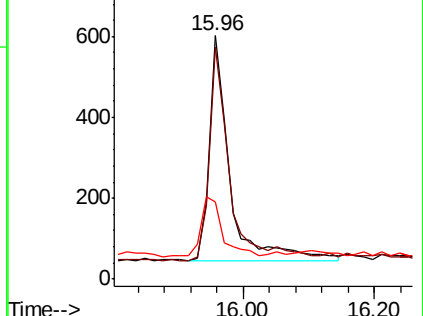
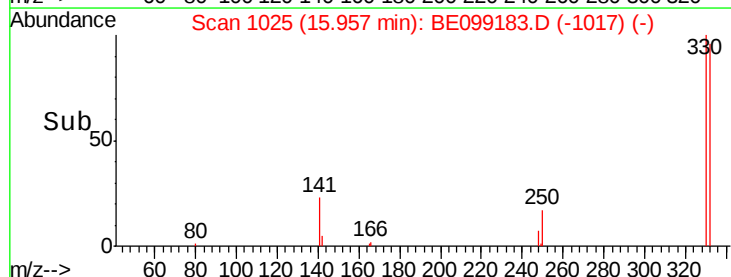
141 26.2 21.7 32.5

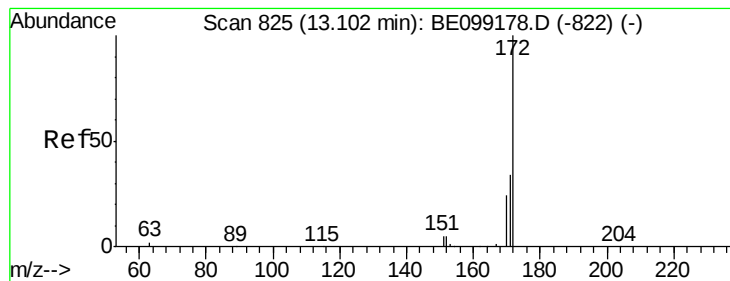


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.357 ng

RT: 13.10 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

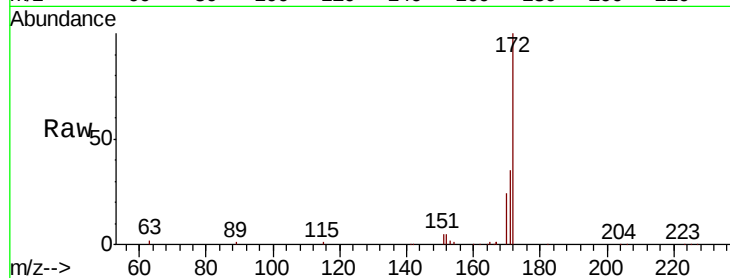
Tot Ion:172 Resp: 18787

Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.0

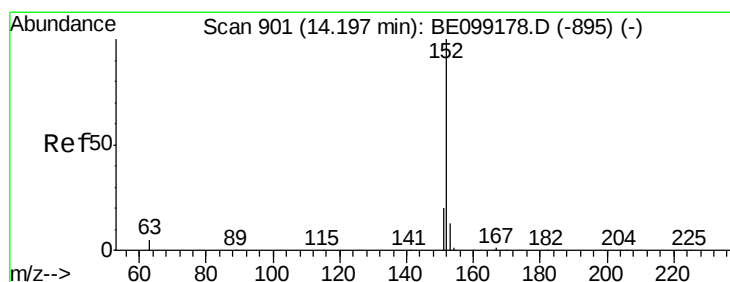
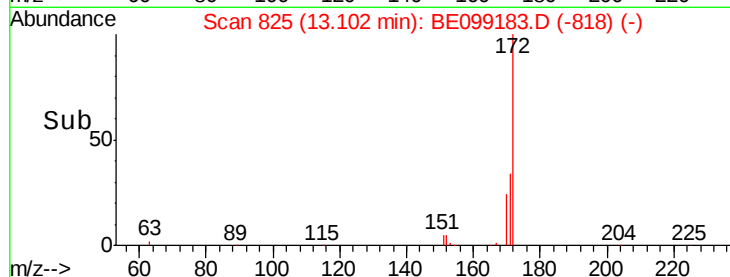
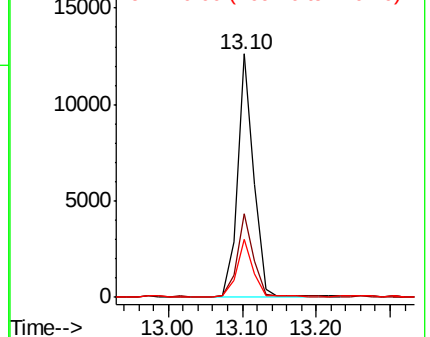
170 24.1 19.1 28.7



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.335 ng

RT: 14.20 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

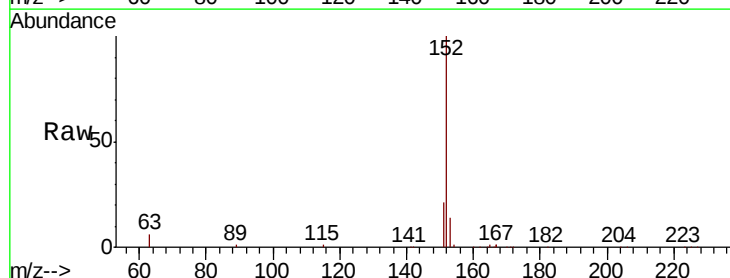
Tgt Ion:152 Resp: 22003

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

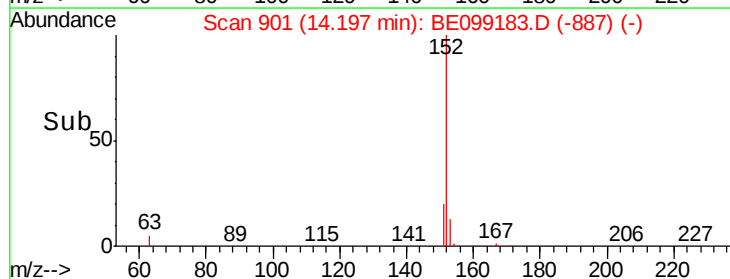
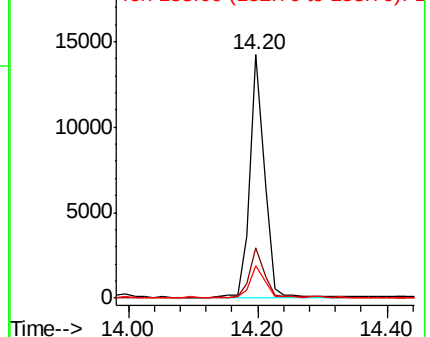
153 13.1 10.6 15.8

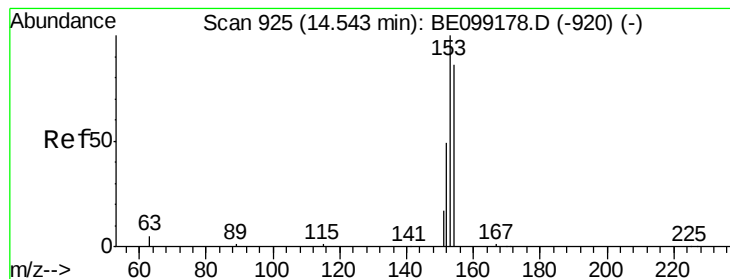


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.354 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

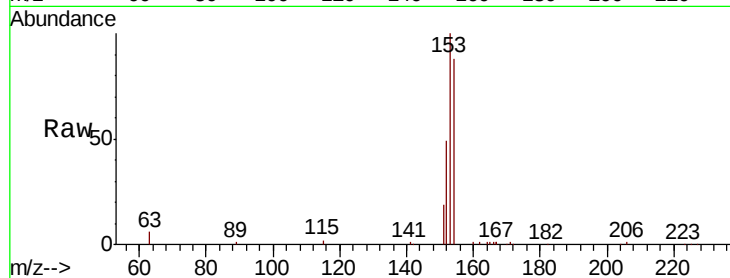
Tot Ion:154 Resp: 13905

Ion Ratio Lower Upper

154 100

153 115.2 93.4 140.0

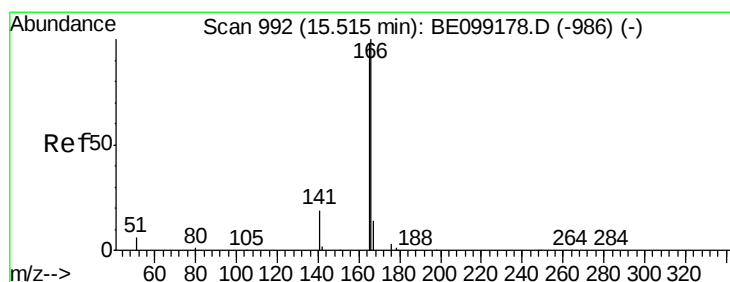
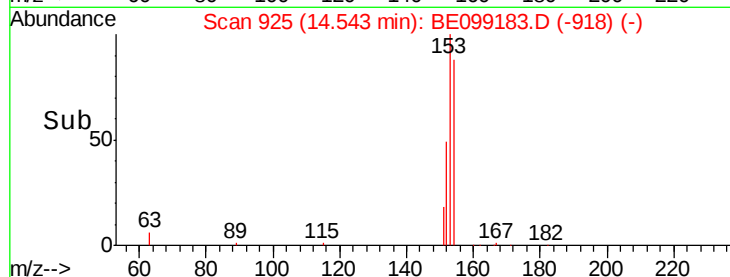
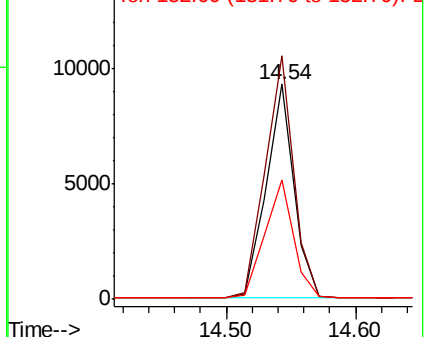
152 56.5 46.6 69.8



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: 0.348 ng

RT: 15.52 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

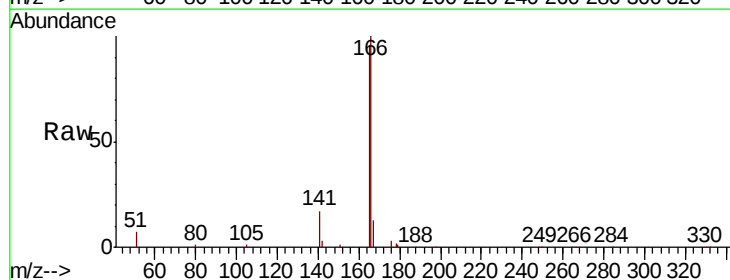
Tgt Ion:166 Resp: 19223

Ion Ratio Lower Upper

166 100

165 99.3 78.9 118.3

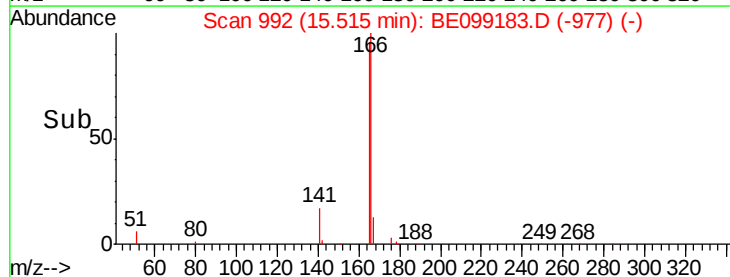
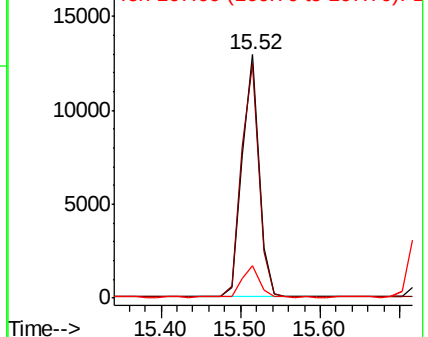
167 13.5 10.9 16.3

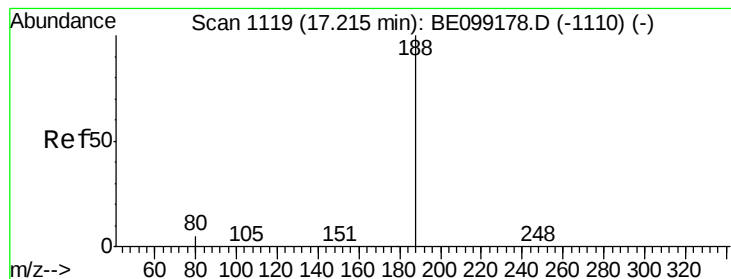


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

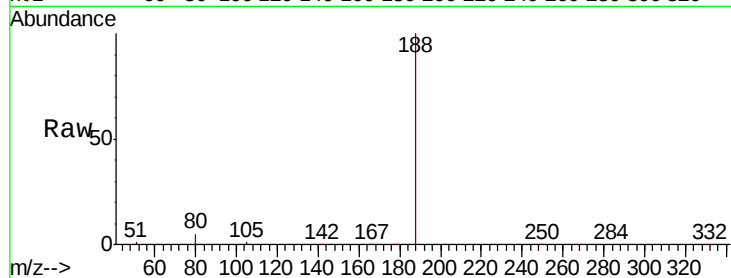
Tot Ion:188 Resp: 33975

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

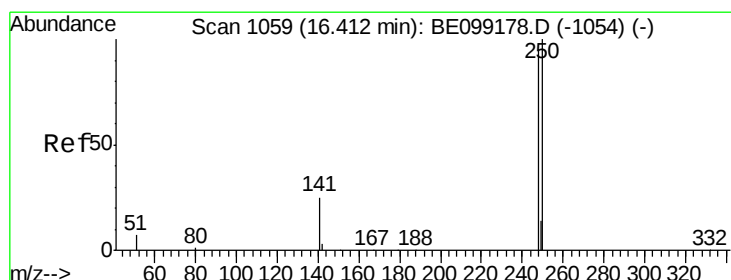
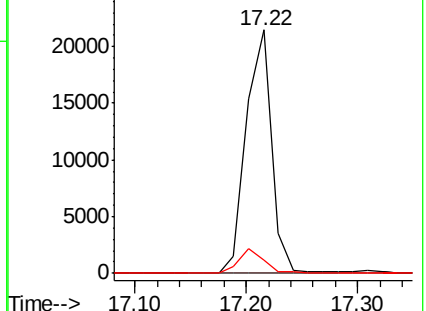
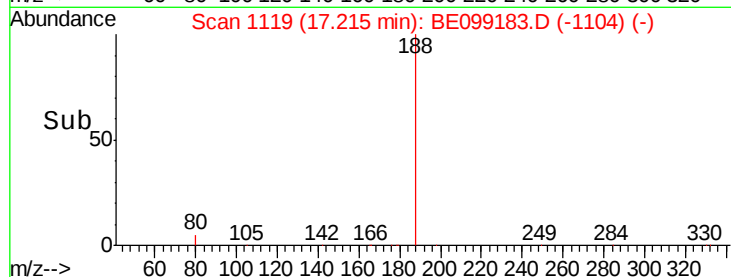
80 5.4 4.5 6.7



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: 0.337 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

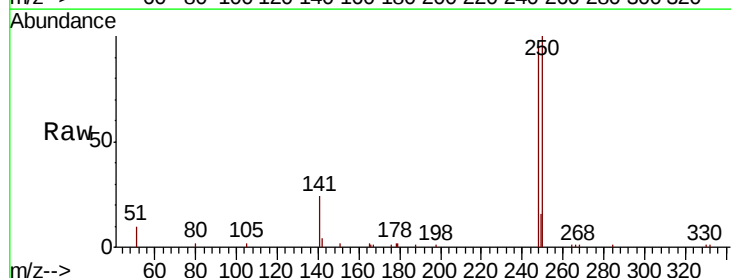
Tgt Ion:248 Resp: 7398

Ion Ratio Lower Upper

248 100

250 105.8 84.2 126.2

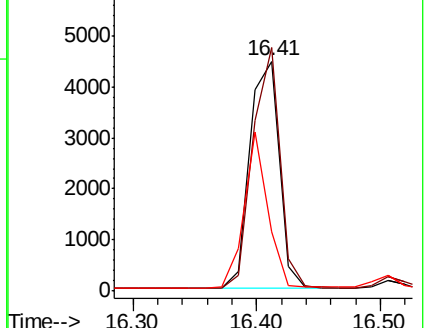
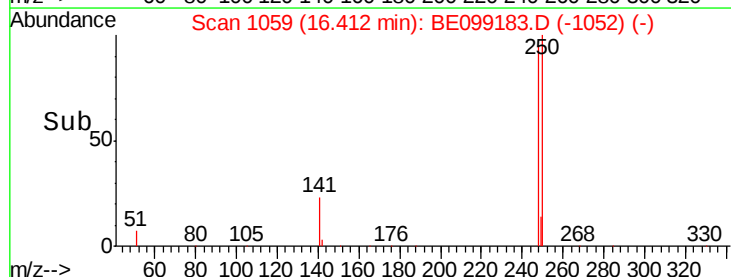
141 25.6 21.8 32.6

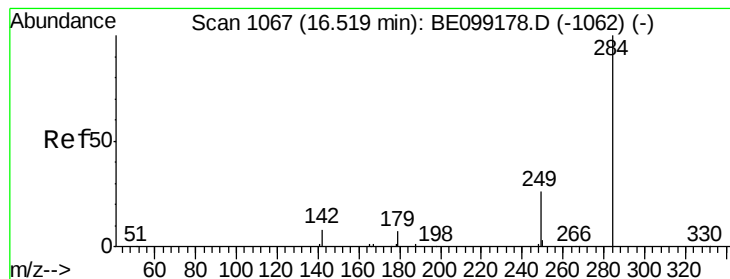


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.348 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

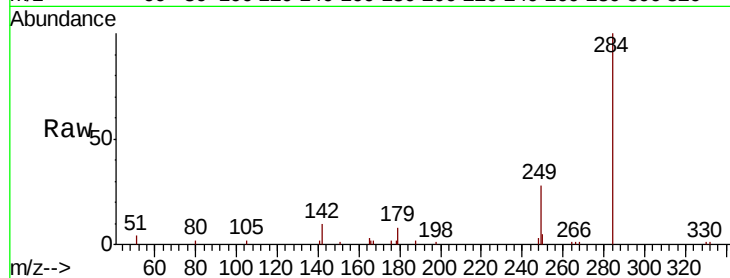
Tot Ion:284 Resp: 7379

Ion Ratio Lower Upper

284 100

142 28.6 22.7 34.1

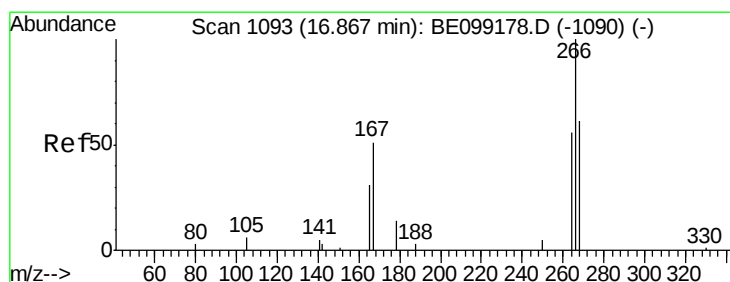
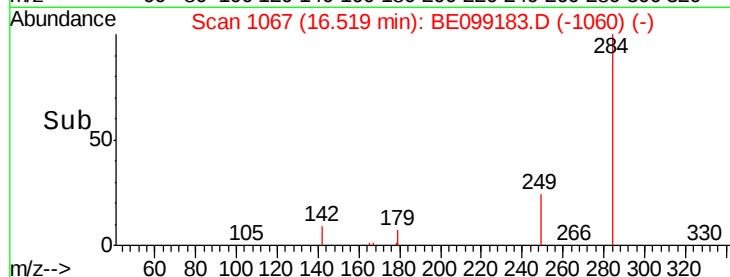
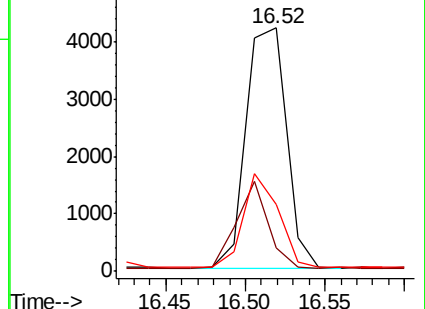
249 34.0 26.9 40.3



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: 0.172 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

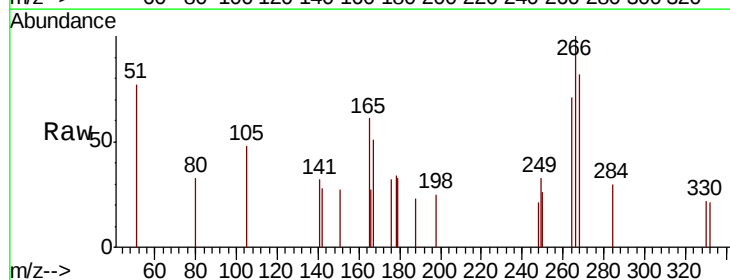
Tgt Ion:266 Resp: 480

Ion Ratio Lower Upper

266 100

264 70.6 54.4 81.6

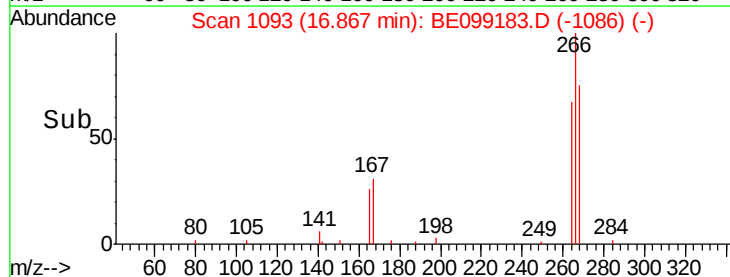
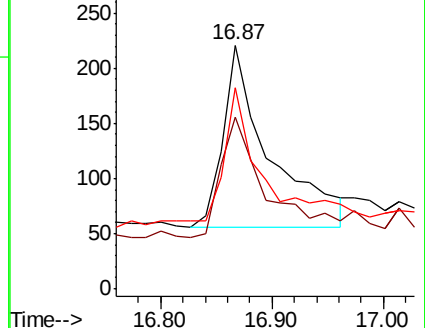
268 82.4 61.3 91.9

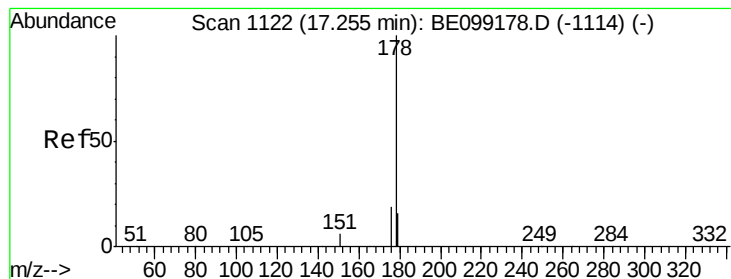


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.344 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

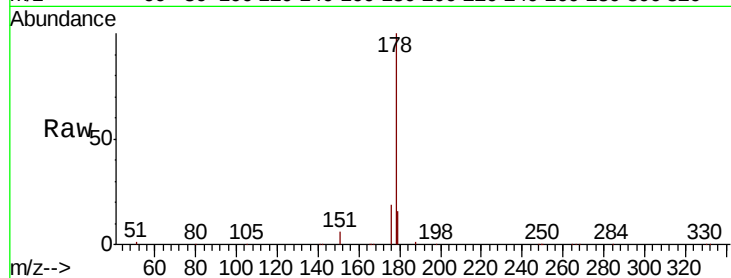
Tot Ion:178 Resp: 34311

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

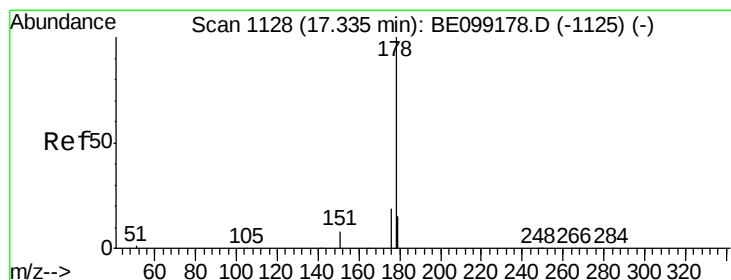
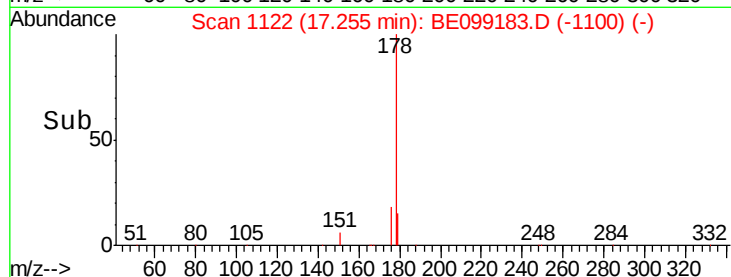
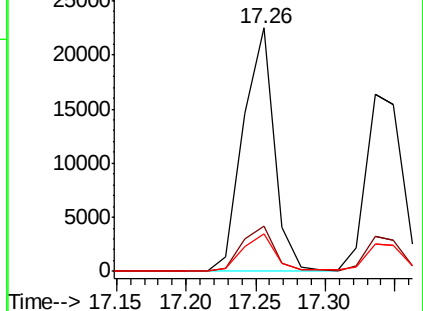
179 15.2 12.3 18.5



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: 0.324 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

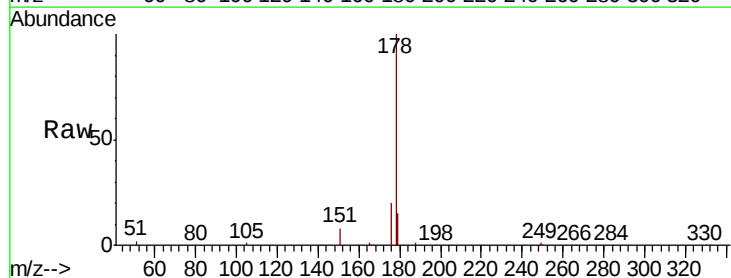
Tgt Ion:178 Resp: 29246

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

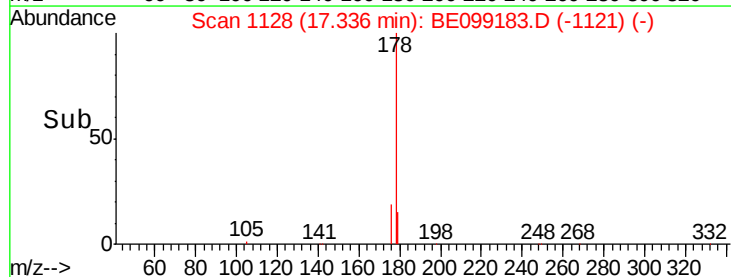
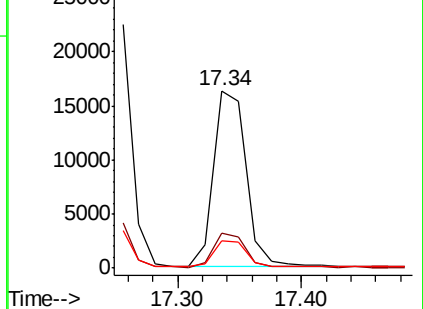
179 15.3 12.4 18.6

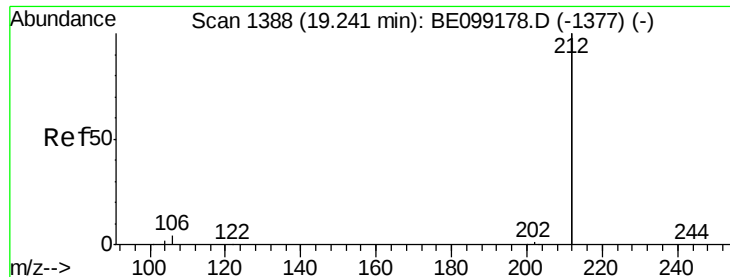


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.347 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

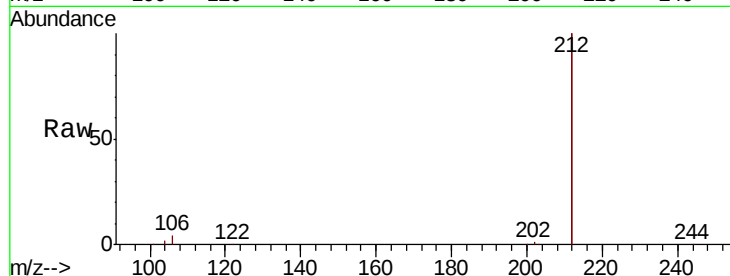
Tot Ion:212 Resp: 142700

Ion Ratio Lower Upper

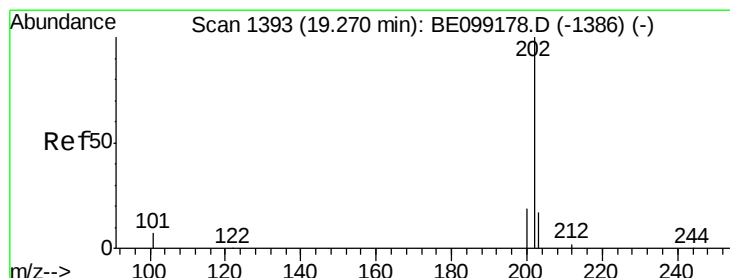
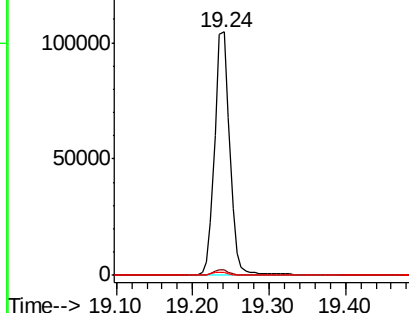
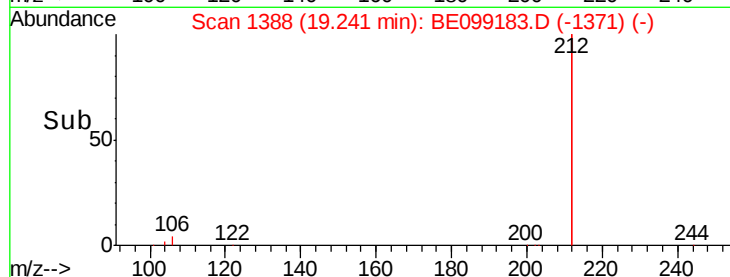
212 100

106 2.4 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: 0.332 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

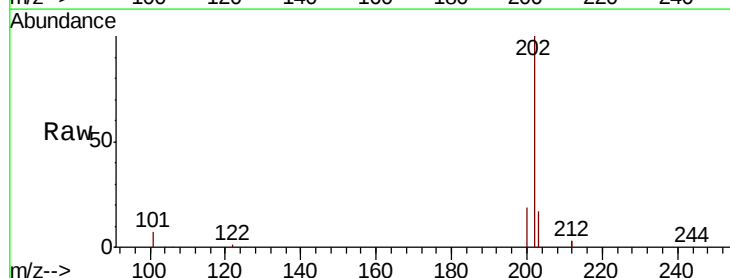
Tgt Ion:202 Resp: 42321

Ion Ratio Lower Upper

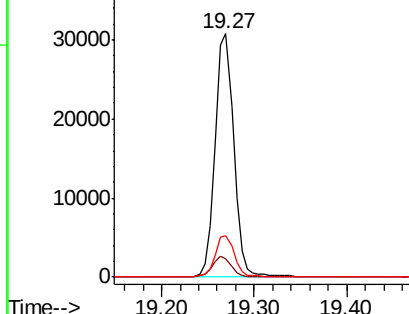
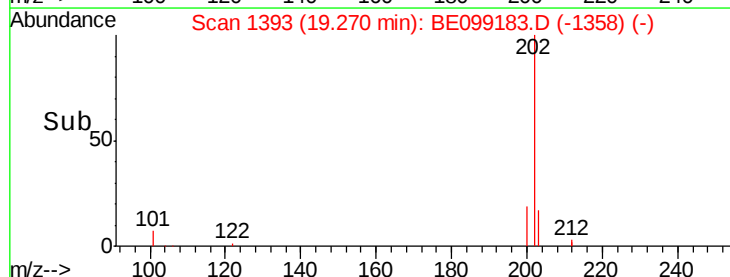
202 100

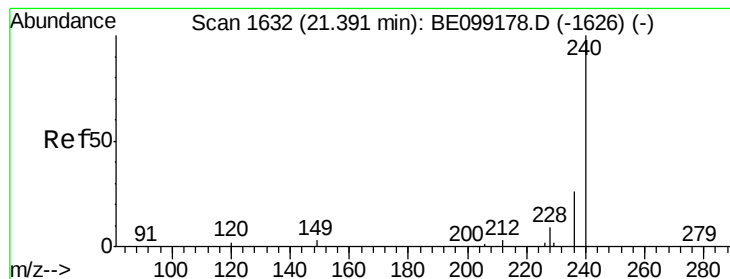
101 8.4 7.0 10.4

203 17.0 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: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

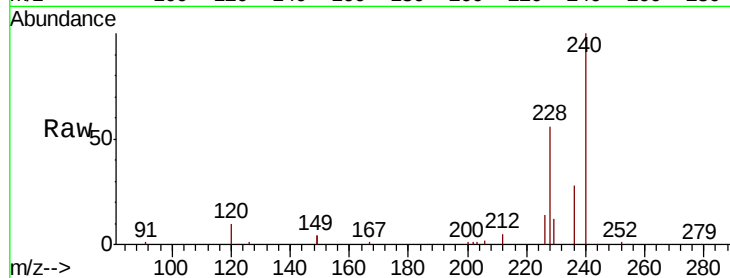
Tot Ion:240 Resp: 37185

Ion Ratio Lower Upper

240 100

120 9.6 2.6 3.8#

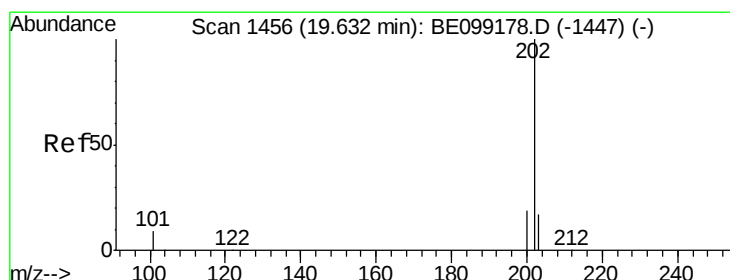
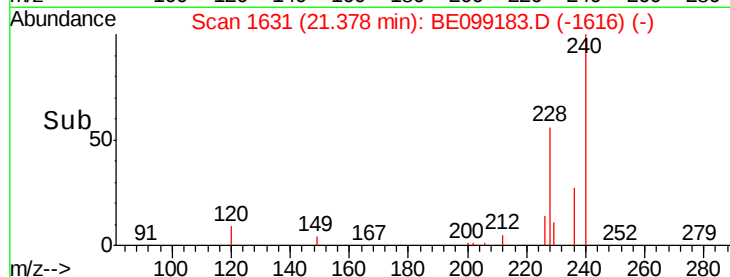
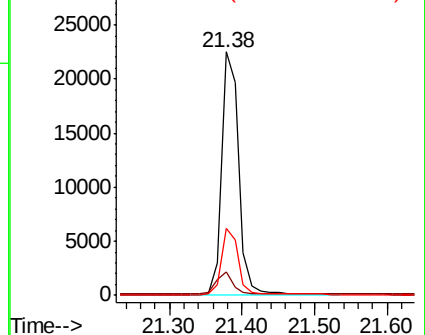
236 27.7 20.9 31.3



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: 0.348 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

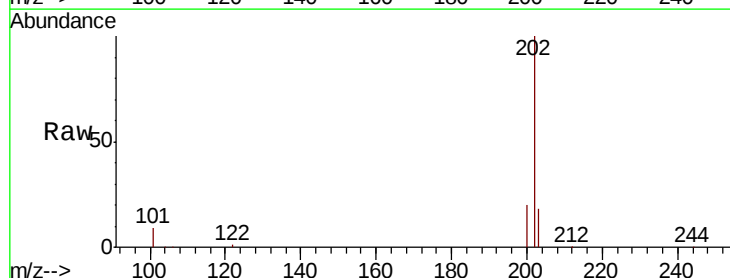
Tgt Ion:202 Resp: 43048

Ion Ratio Lower Upper

202 100

200 19.7 15.8 23.8

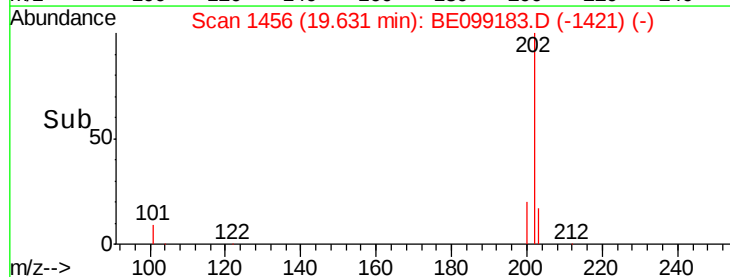
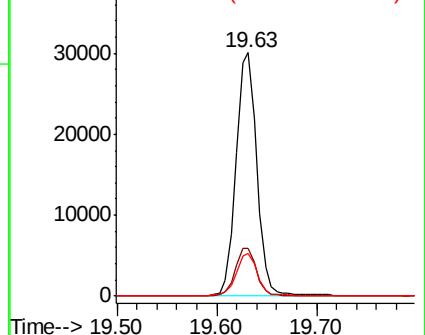
203 17.3 14.1 21.1



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: 0.363 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

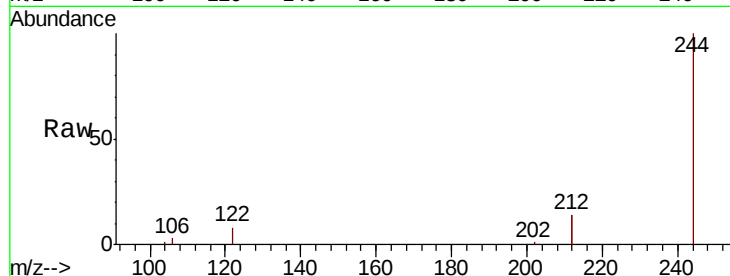
Tot Ion:244 Resp: 29390

Ion Ratio Lower Upper

244 100

212 28.3 22.7 34.1

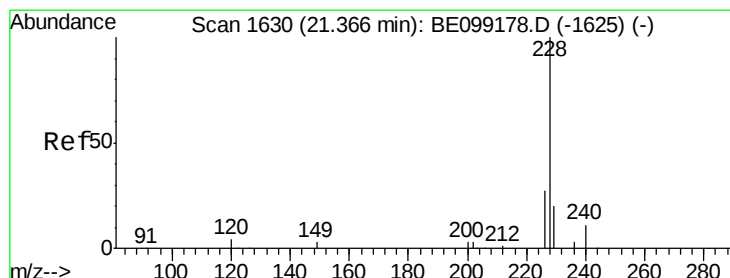
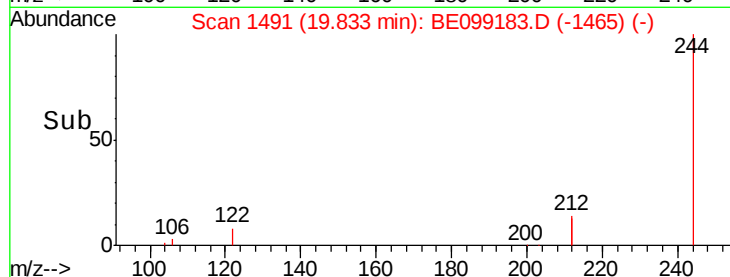
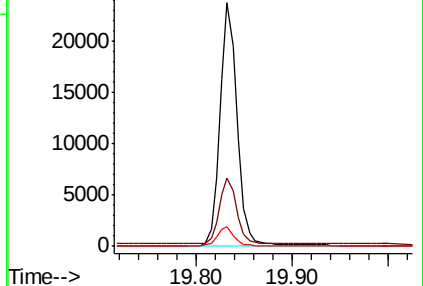
122 7.8 5.8 8.6



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: 0.333 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

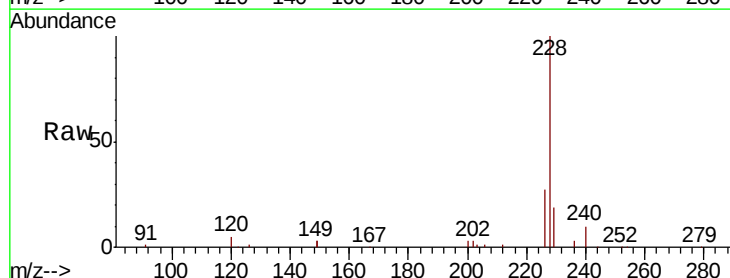
Tgt Ion:228 Resp: 40800

Ion Ratio Lower Upper

228 100

226 26.9 21.7 32.5

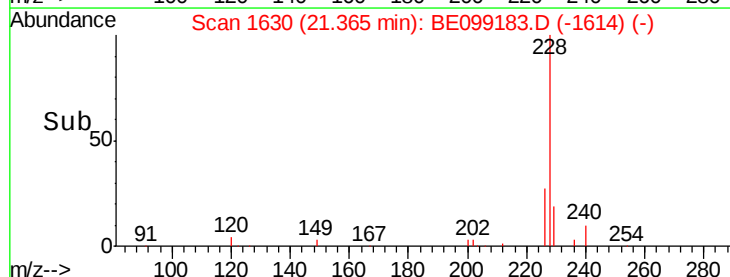
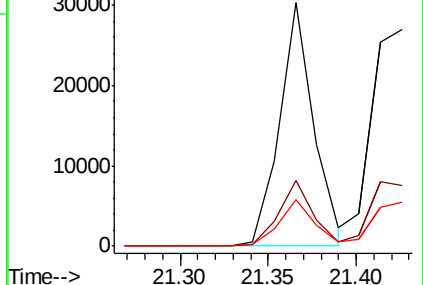
229 19.1 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.346 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.01 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

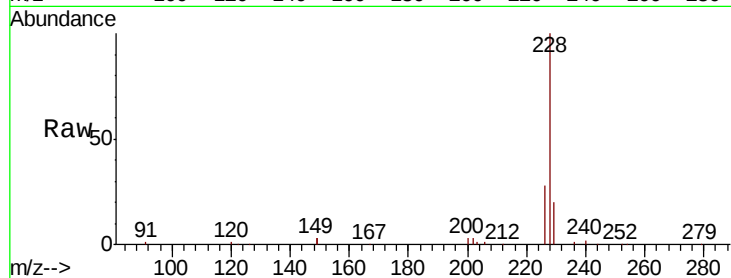
Tot Ion:228 Resp: 45424

Ion Ratio Lower Upper

228 100

226 28.2 24.8 37.2

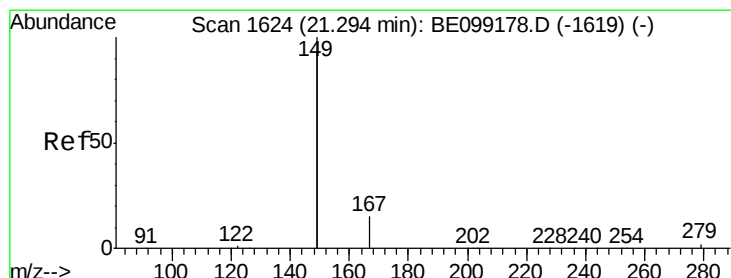
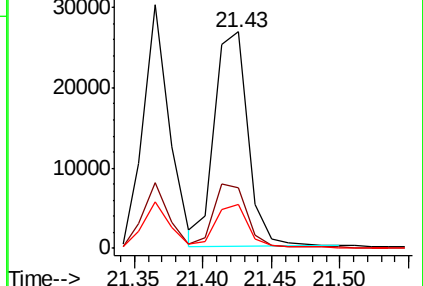
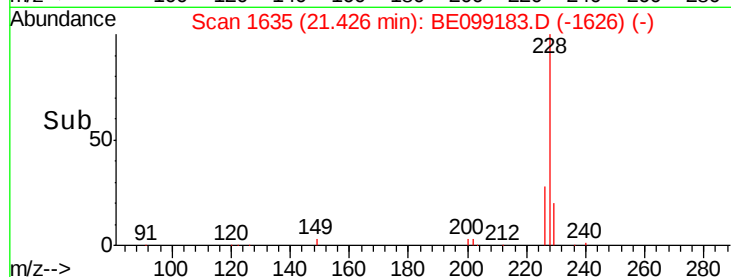
229 20.2 15.4 23.0



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: 0.266 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

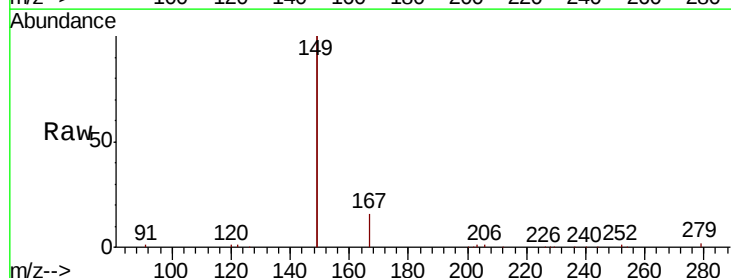
Tgt Ion:149 Resp: 38892

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

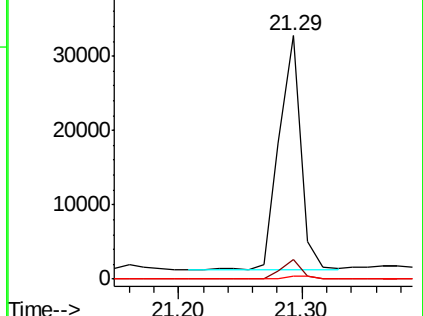
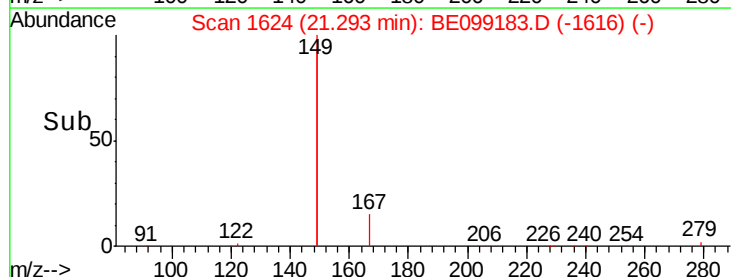
279 1.3 1.0 1.6



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

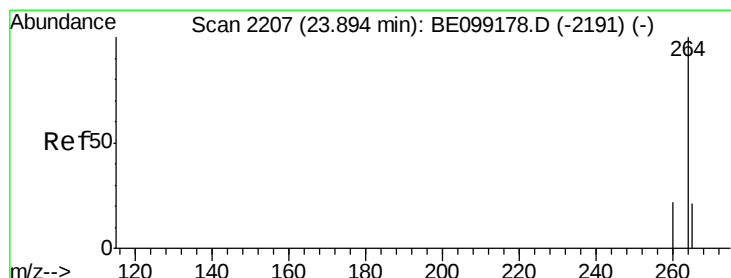
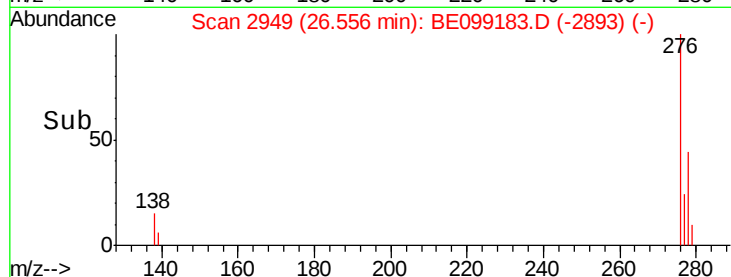
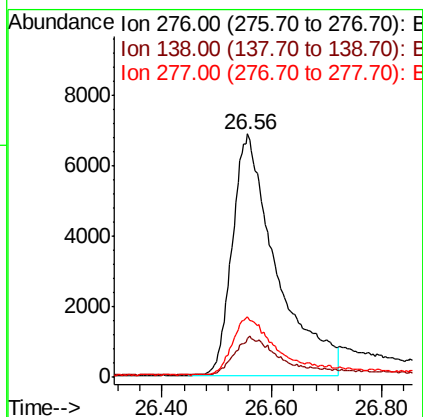
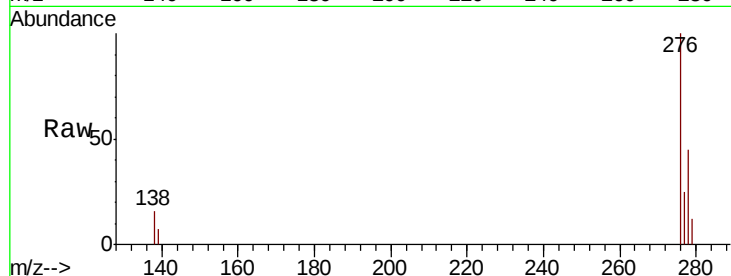




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.307 ng
RT: 26.56 min Scan# 2949
Delta R.T. -0.00 min
Lab File: BE099183.D
Acq: 25 Mar 2019 15:51

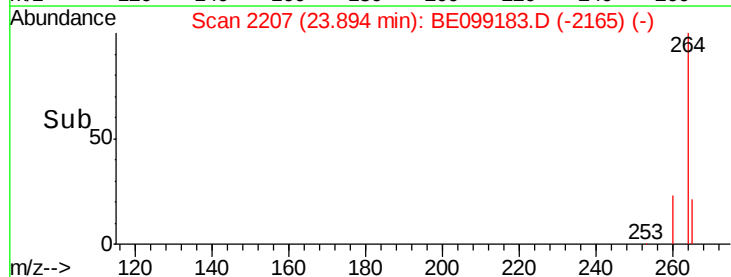
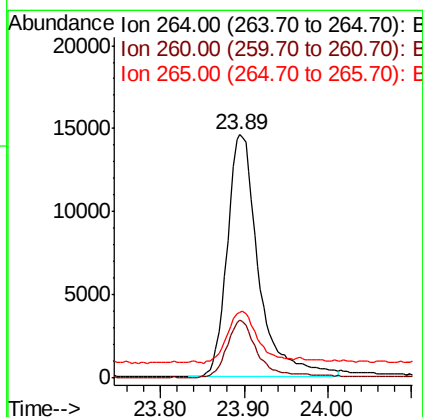
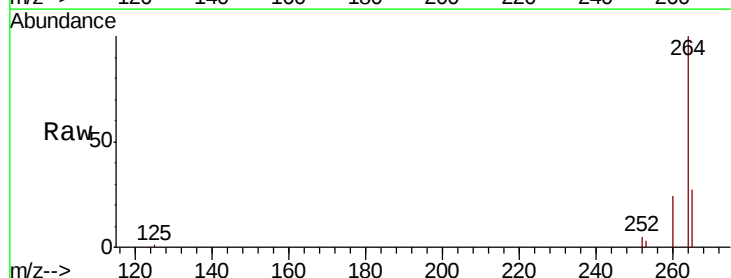
Instrument :
BNA_E
ClientSampleId :
ICVBE032519

Tot Ion:276 Resp: 38048
Ion Ratio Lower Upper
276 100
138 14.9 12.9 19.3
277 22.1 18.3 27.5



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BE099183.D
Acq: 25 Mar 2019 15:51

Tgt Ion:264 Resp: 38168
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.2
265 27.2 21.8 32.8





#35

Benzo(b)fluoranthene

Concen: 0.322 ng

RT: 23.12 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519

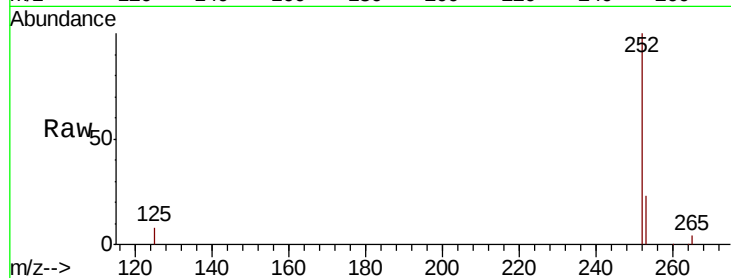
Tot Ion:252 Resp: 40462

Ion Ratio Lower Upper

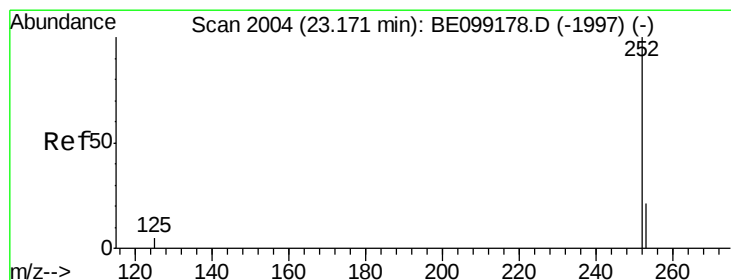
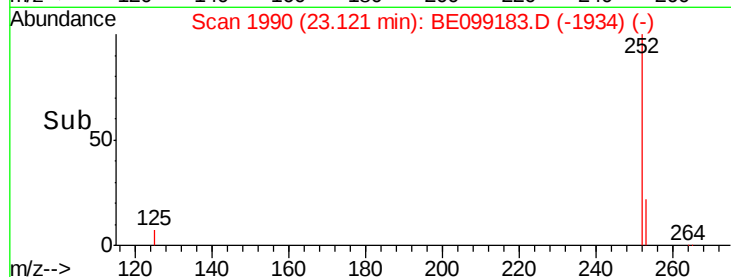
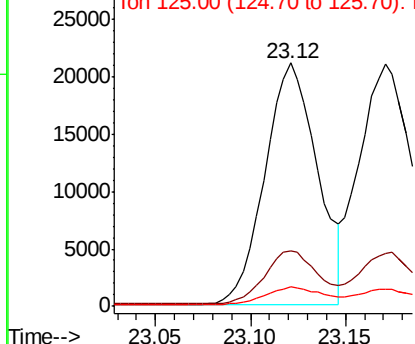
252 100

253 22.6 17.8 26.8

125 7.9 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: 0.351 ng

RT: 23.17 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BE099183.D

Acq: 25 Mar 2019 15:51

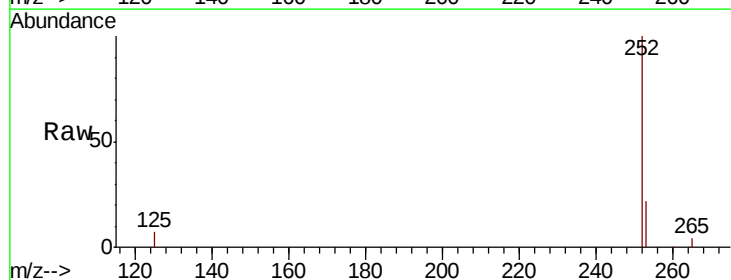
Tgt Ion:252 Resp: 46632

Ion Ratio Lower Upper

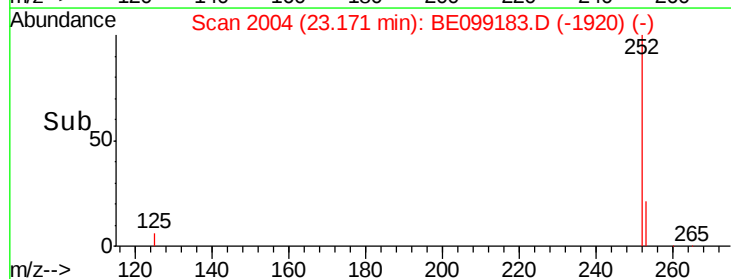
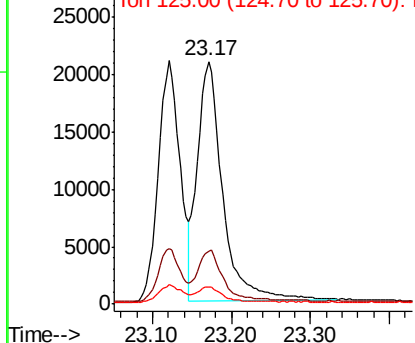
252 100

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

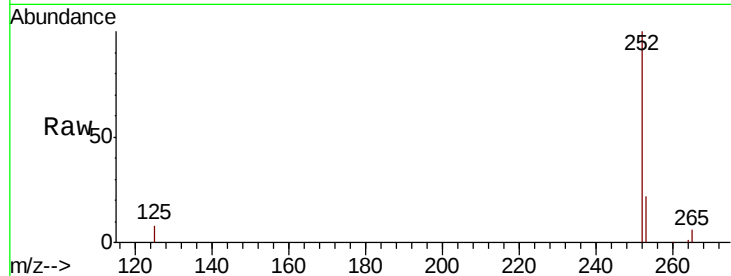




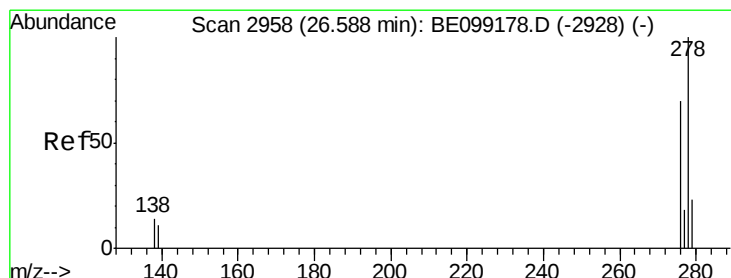
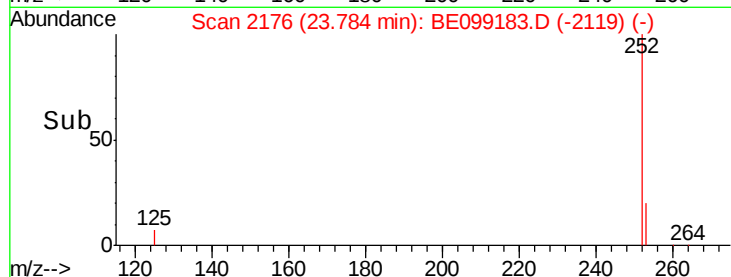
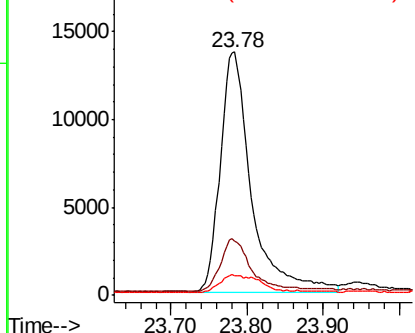
#37
Benzo(a)pyrene
Concen: 0.330 ng
RT: 23.78 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BE099183.D
Acq: 25 Mar 2019 15:51

Instrument :
BNA_E
ClientSampleId :
ICVBE032519

Tot Ion:252 Resp: 38763
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 8.3 6.8 10.2

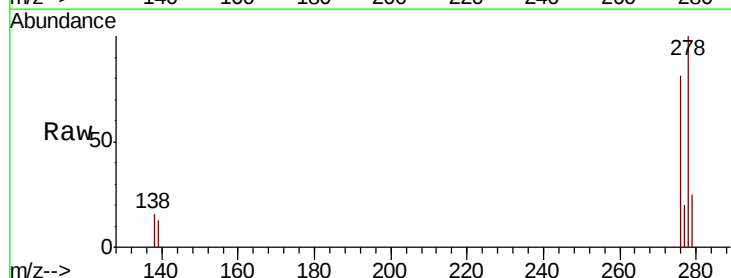


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

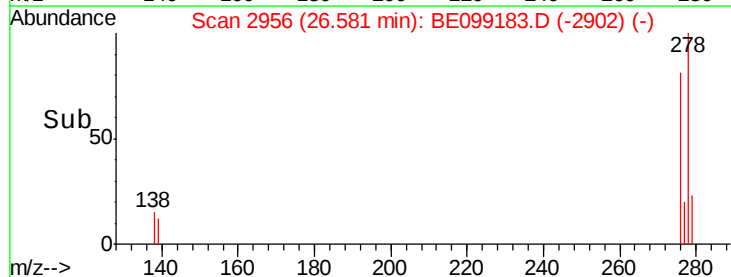
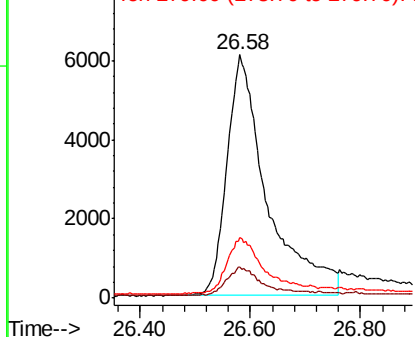


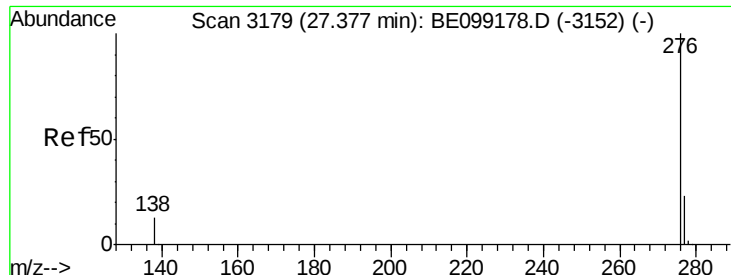
#38
Dibenzo(a,h)anthracene
Concen: 0.297 ng
RT: 26.58 min Scan# 2956
Delta R.T. -0.01 min
Lab File: BE099183.D
Acq: 25 Mar 2019 15:51

Tgt Ion:278 Resp: 30982
Ion Ratio Lower Upper
278 100
139 12.6 9.5 14.3
279 24.8 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: 0.272 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BE099183.D

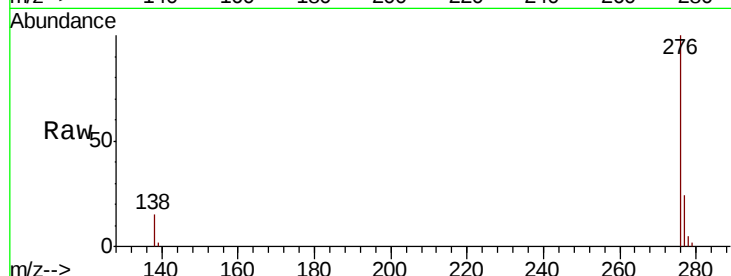
Acq: 25 Mar 2019 15:51

Instrument :

BNA_E

ClientSampleId :

ICVBE032519



Tot Ion: 276 Resp: 28465

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 15.0 11.1 16.7

