

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
 Data File : BE099422.D
 Acq On : 30 Apr 2019 12:31
 Operator : JU/SJ
 Sample : PB119270BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB119270BS

Quant Time: Apr 30 23:57:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2969	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	10106	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5992	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	15662	0.40	ng	0.00
27) Chrysene-d12	21.37	240	19065	0.40	ng	0.00
34) Perylene-d12	23.87	264	23132	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2640	0.32	ng	0.00
5) Phenol-d6	6.97	99	3632	0.33	ng	0.00
8) Nitrobenzene-d5	8.96	82	2959	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	8316	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	918	0.24	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	7799	0.34	ng	-0.02
25) Fluoranthene-d10	19.22	212	60272	0.29	ng	0.00
29) Terphenyl-d14	19.81	244	12881	0.37	ng	0.00

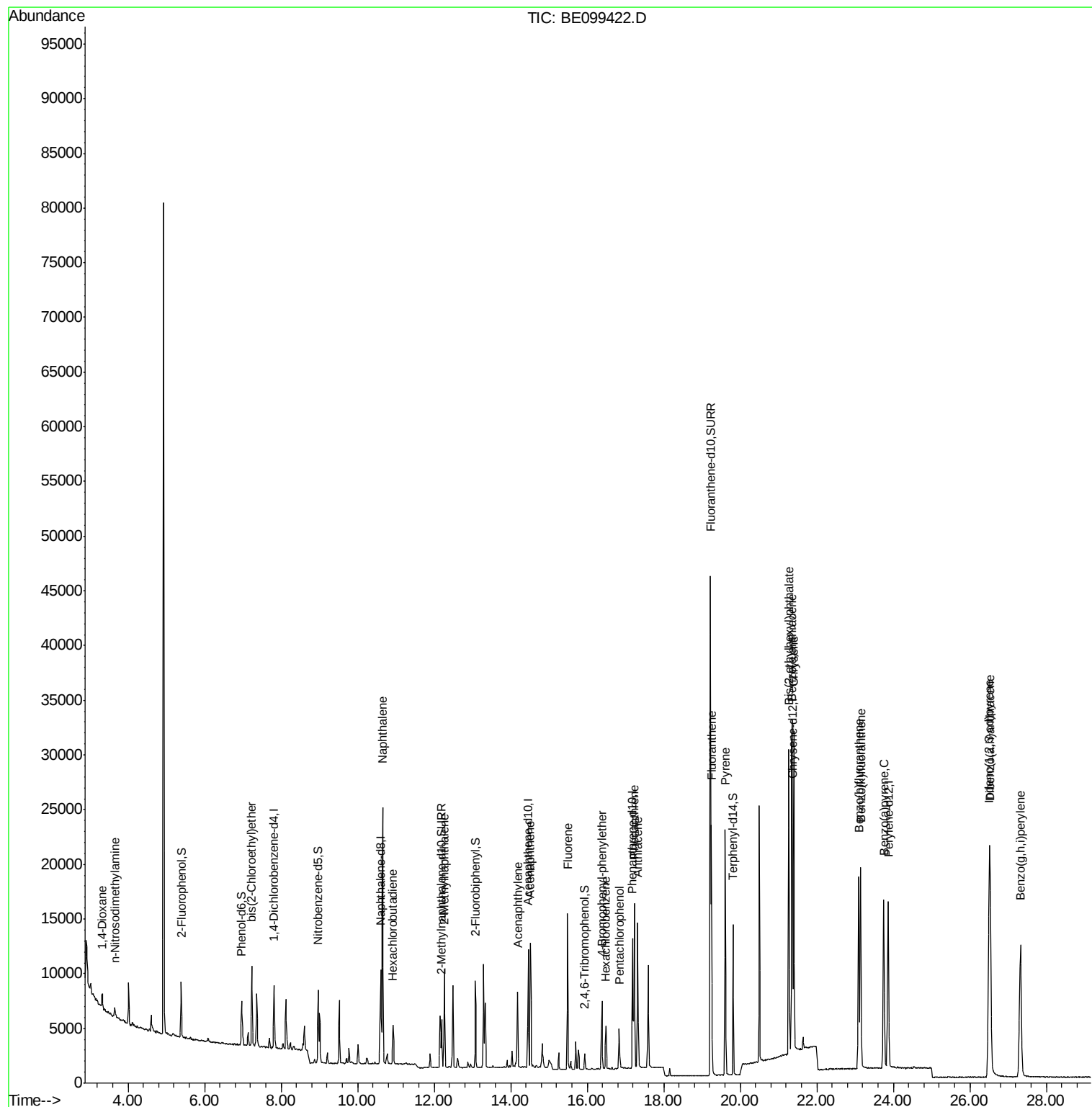
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	1043	0.255	ng	# 79
3) n-Nitrosodimethylamine	3.65	42	747	0.303	ng	# 94
6) bis(2-Chloroethyl)ether	7.23	93	2914	0.309	ng	96
9) Naphthalene	10.65	128	36450	0.331	ng	100
10) Hexachlorobutadiene	10.93	225	2398	0.313	ng	98
12) 2-Methylnaphthalene	12.27	142	6025	0.315	ng	96
16) Acenaphthylene	14.18	152	9728	0.332	ng	99
17) Acenaphthene	14.51	154	5713	0.341	ng	99
18) Fluorene	15.49	166	7836	0.317	ng	99
20) 4-Bromophenyl-phenylether	16.38	248	3183	0.349	ng	# 91
21) Hexachlorobenzene	16.49	284	3137	0.361	ng	97
22) Pentachlorophenol	16.84	266	2136	0.624	ng	96
23) Phenanthrene	17.23	178	14469	0.358	ng	99
24) Anthracene	17.32	178	13699	0.356	ng	99
26) Fluoranthene	19.25	202	20557	0.340	ng	99
28) Pyrene	19.61	202	21449	0.432	ng	100
30) Benzo(a)anthracene	21.34	228	26020	0.428	ng	98
31) Chrysene	21.40	228	25211	0.424	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	34065	0.326	ng	100
33) Indeno(1,2,3-cd)pyrene	26.51	276	36034	0.513	ng	98
35) Benzo(b)fluoranthene	23.10	252	25804	0.387	ng	99
36) Benzo(k)fluoranthene	23.15	252	26590	0.413	ng	98
37) Benzo(a)pyrene	23.75	252	25868	0.410	ng	99
38) Dibenzo(a,h)anthracene	26.53	278	30283	0.469	ng	99
39) Benzo(g,h,i)perylene	27.32	276	30981	0.479	ng	100

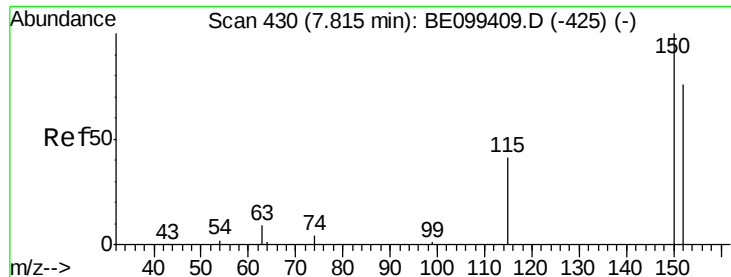
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

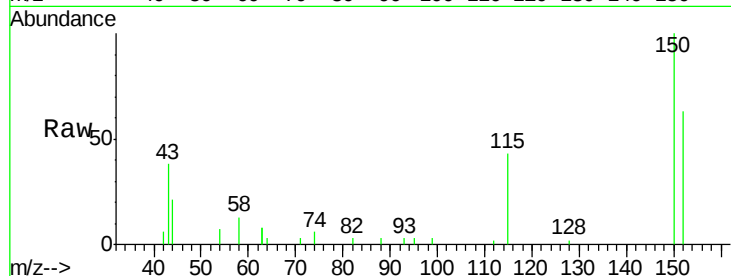
Tot Ion:152 Resp: 2969

Ion Ratio Lower Upper

152 100

150 158.3 104.8 157.2#

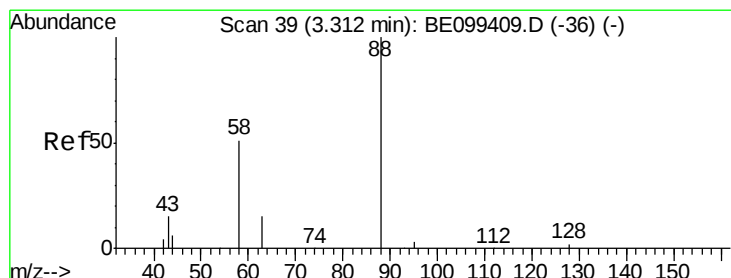
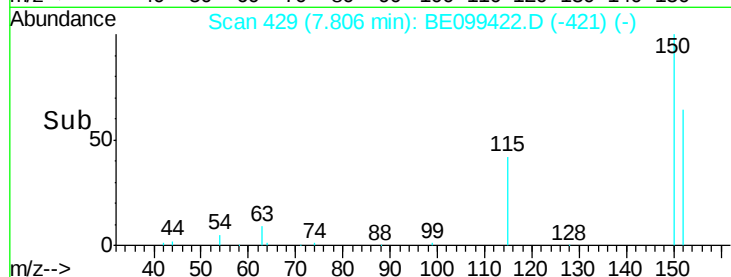
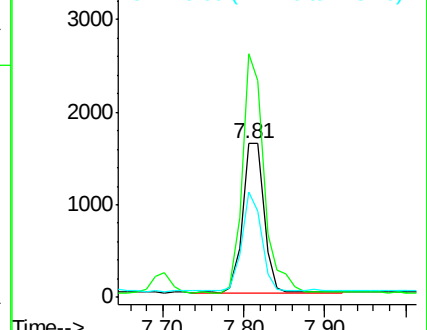
115 68.2 46.6 69.8



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: 0.255 ng

RT: 3.33 min Scan# 40

Delta R.T. 0.01 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

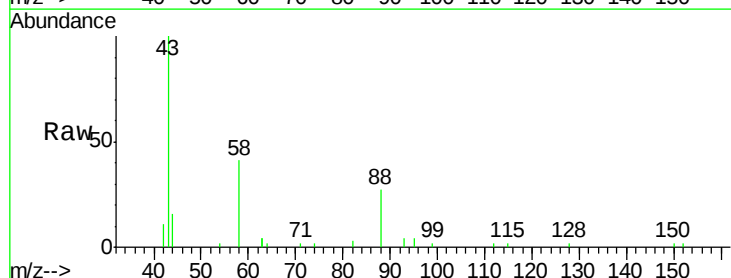
Tgt Ion: 88 Resp: 1043

Ion Ratio Lower Upper

88 100

58 71.3 51.0 76.6

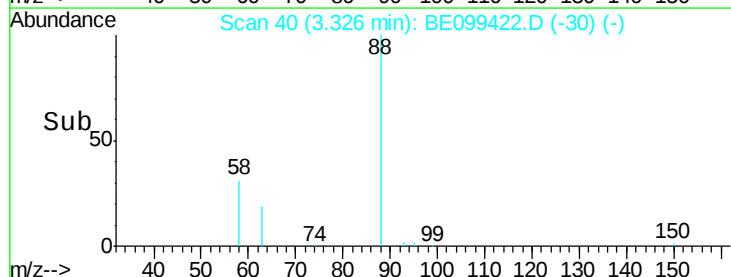
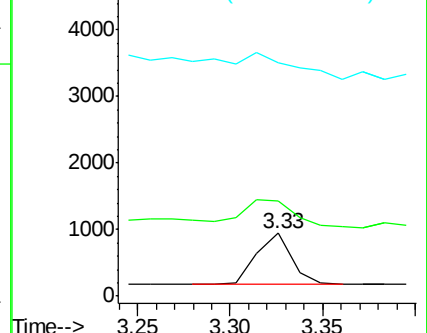
43 0.0 20.6 30.8#

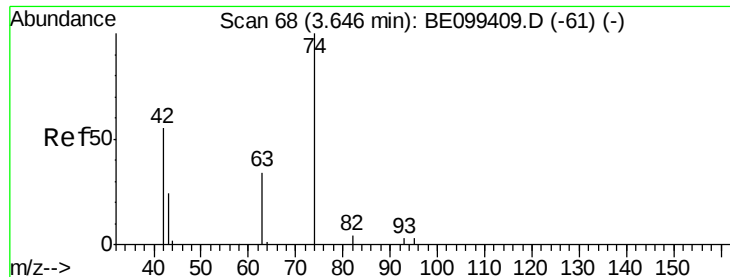


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.303 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

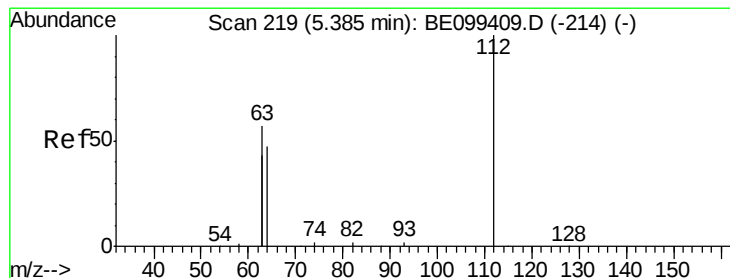
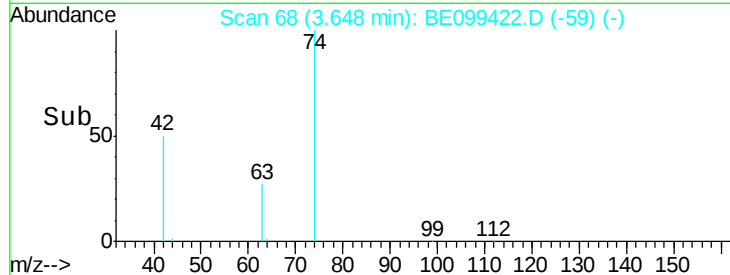
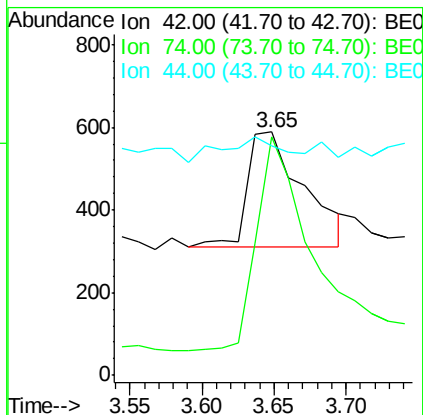
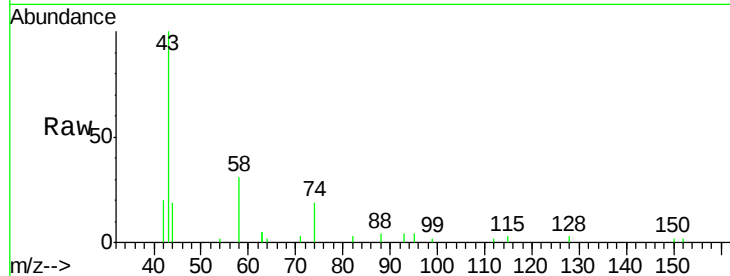
Instrument :

BNA_E

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PB119270BS

Tot Ion:	42	Resp:	747
Ion	Ratio	Lower	Upper
42	100		
74	168.8	141.6	212.4
44	23.4	0.0	0.0#



#4

2-Fluorophenol

Concen: 0.322 ng

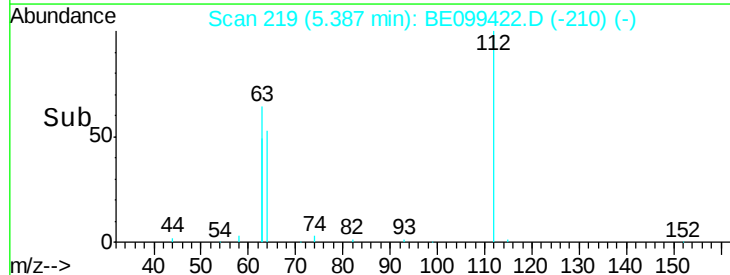
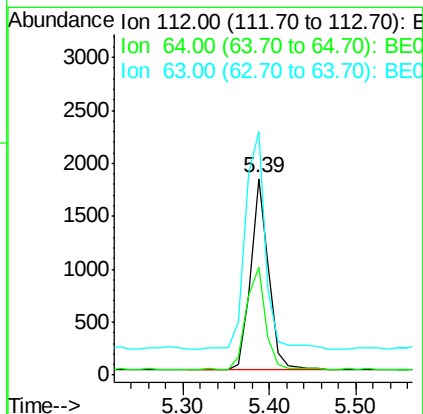
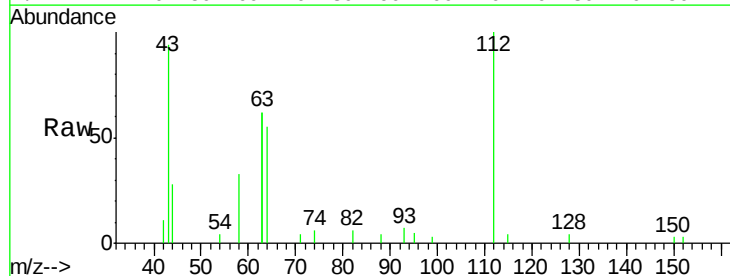
RT: 5.39 min Scan# 219

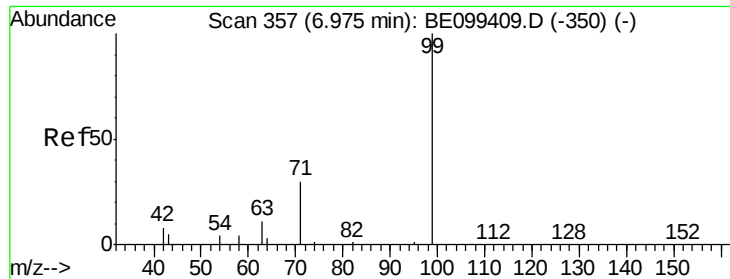
Delta R.T. 0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Tgt Ion:	112	Resp:	2640
Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.4	71.0
63	126.5	104.3	156.5





#5

Phenol-d6

Concen: 0.333 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

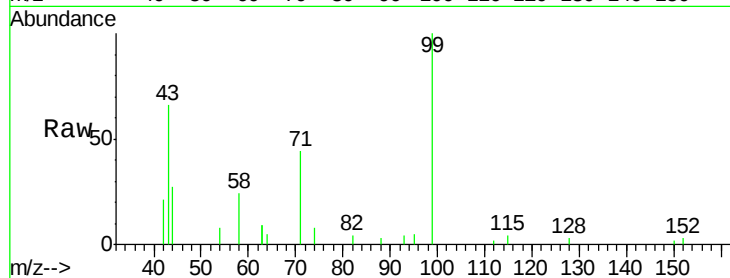
Tot Ion: 99 Resp: 3632

Ion Ratio Lower Upper

99 100

42 14.2 14.9 22.3#

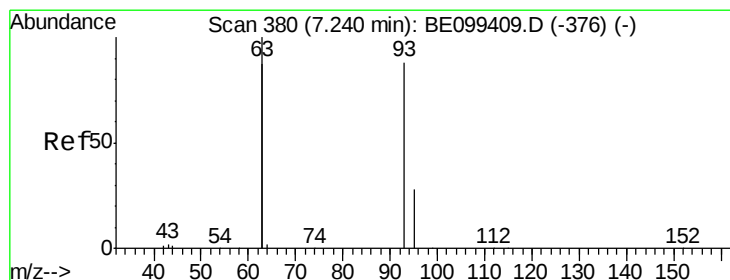
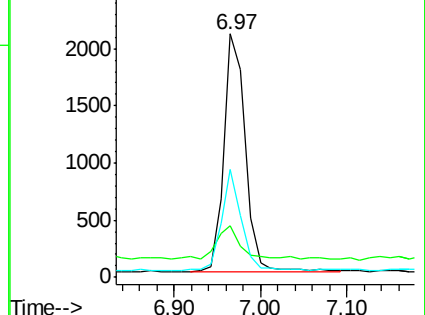
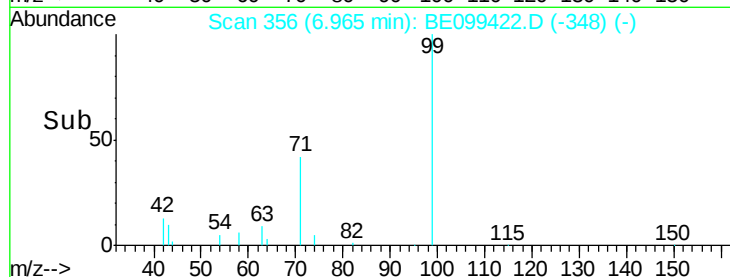
71 38.4 33.0 49.6



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: 0.309 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

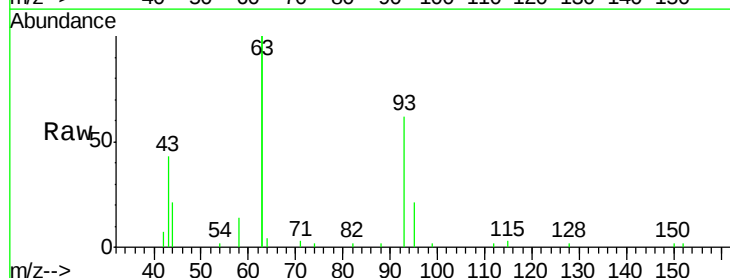
Tgt Ion: 93 Resp: 2914

Ion Ratio Lower Upper

93 100

63 277.9 215.6 323.4

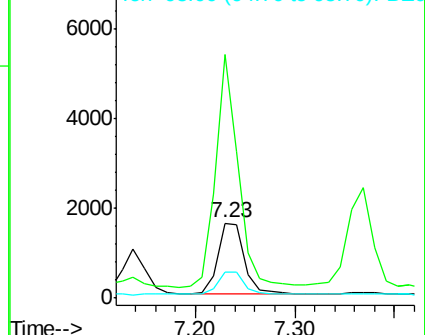
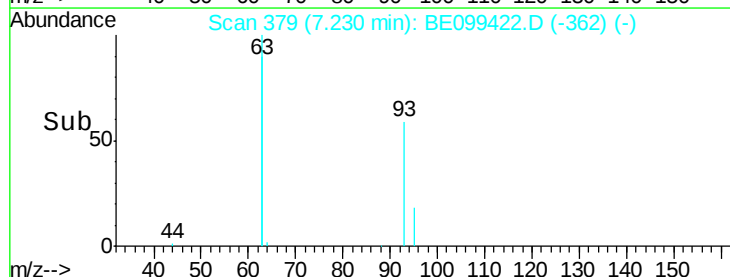
95 32.2 26.2 39.2

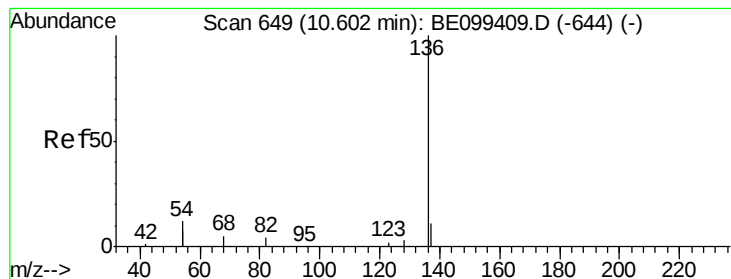


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

Tot Ion:136 Resp: 10106

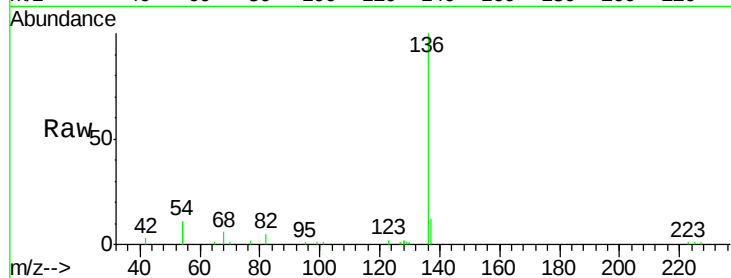
Ion Ratio Lower Upper

136 100

137 11.7 9.8 14.8

54 21.7 18.5 27.7

68 6.2 4.7 7.1

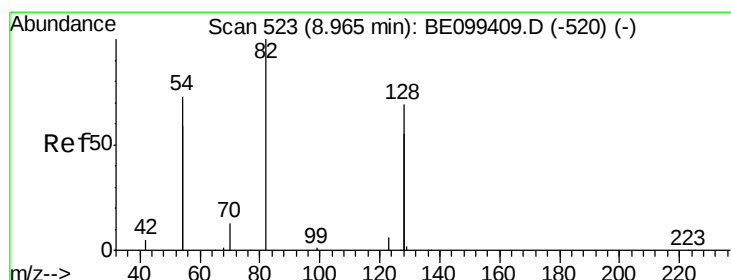
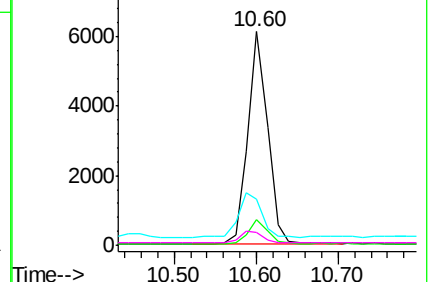
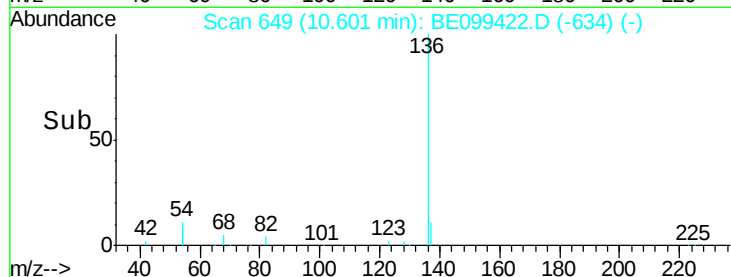


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.312 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

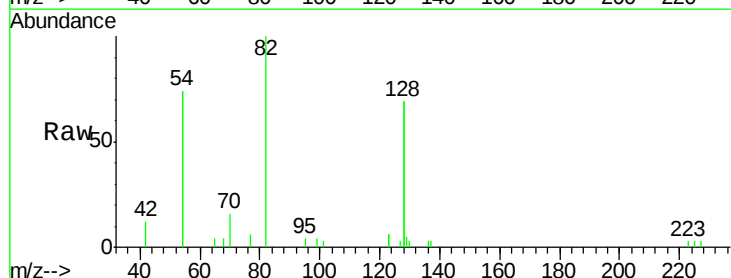
Tgt Ion: 82 Resp: 2959

Ion Ratio Lower Upper

82 100

128 138.9 107.0 160.4

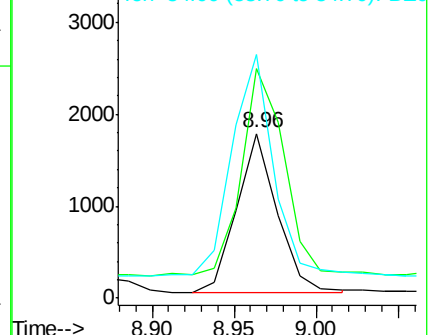
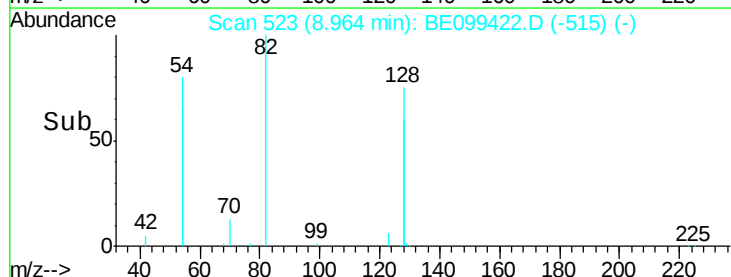
54 147.7 113.1 169.7

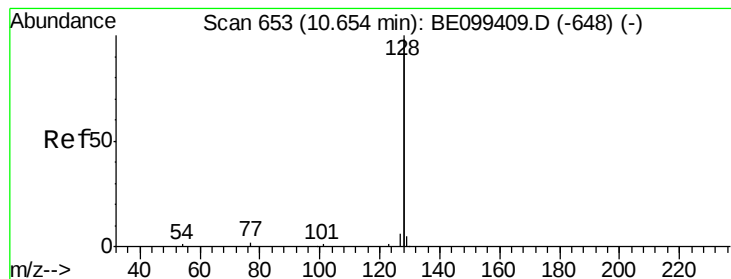


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.331 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

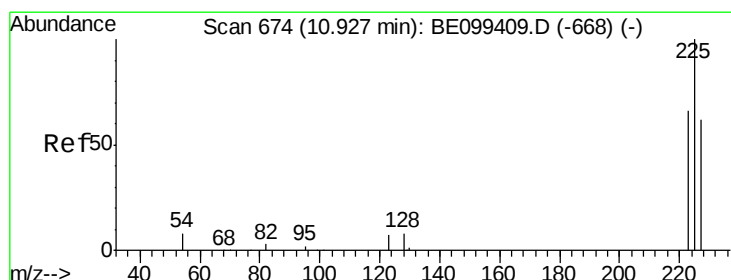
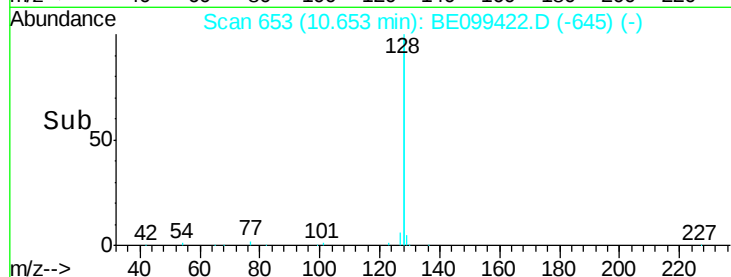
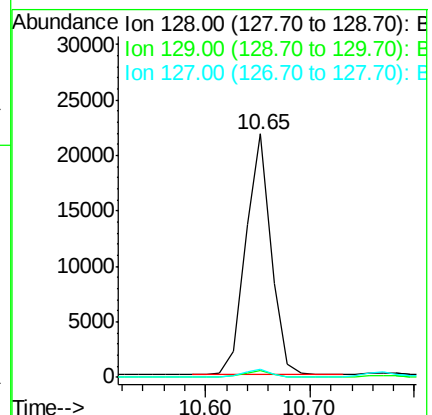
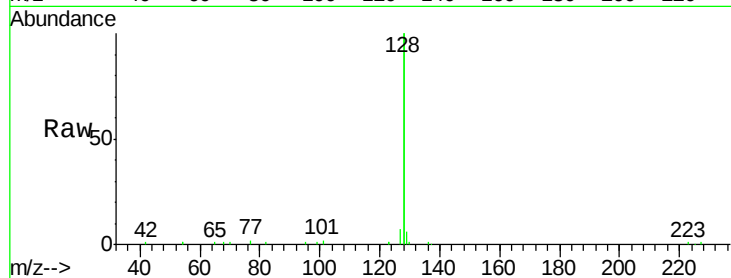
Tot Ion:128 Resp: 36450

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

127 3.4 2.8 4.2



#10

Hexachlorobutadiene

Concen: 0.313 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

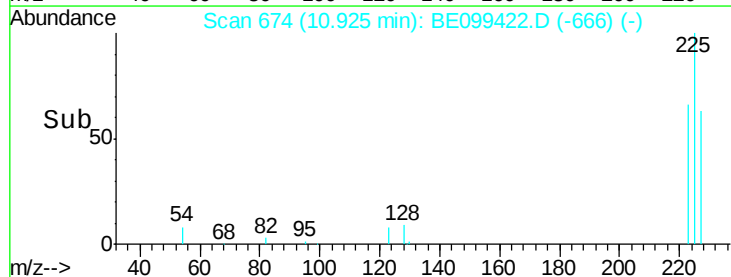
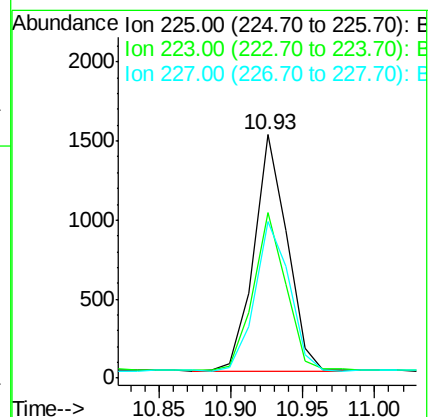
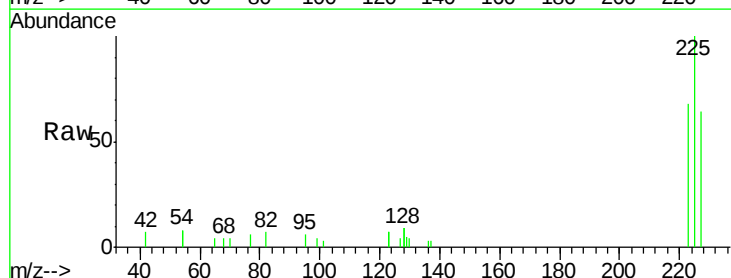
Tgt Ion:225 Resp: 2398

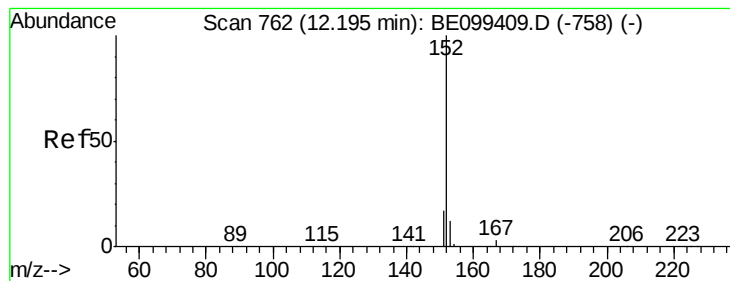
Ion Ratio Lower Upper

225 100

223 65.6 51.0 76.6

227 65.6 50.9 76.3

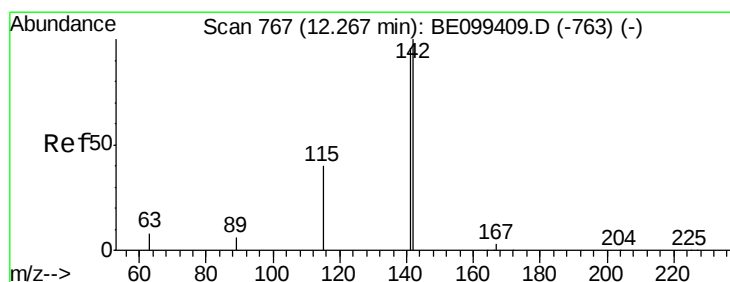
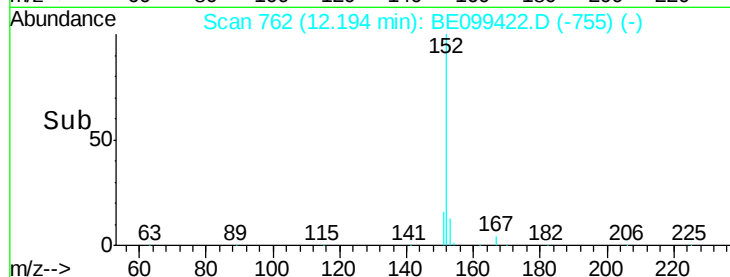
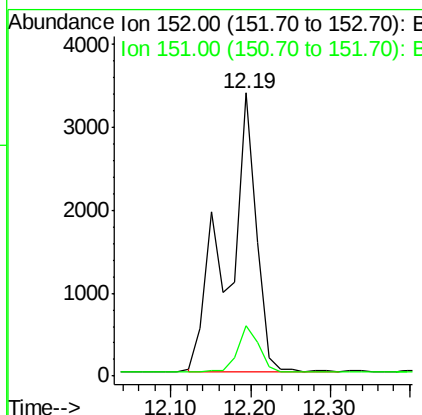
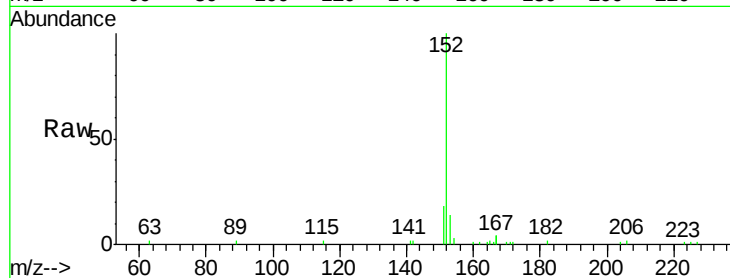




#11
 2-Methylnaphthalene-d10
 Concen: 0.457 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099422.D
 Acq: 30 Apr 2019 12:31

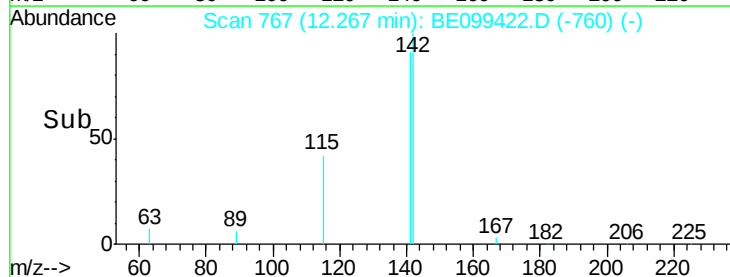
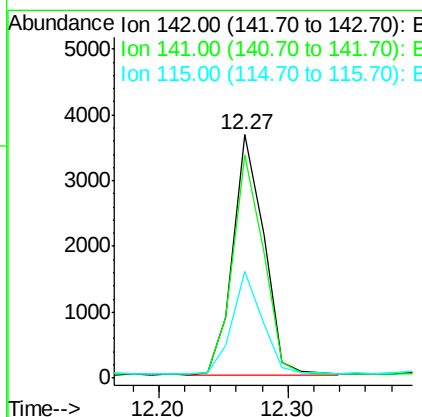
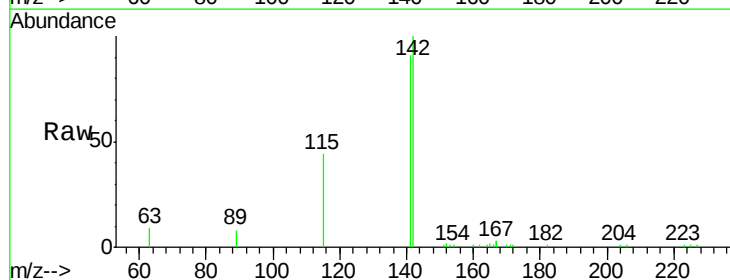
Instrument :
 BNA_E
 ClientSampleId :
 PB119270BS

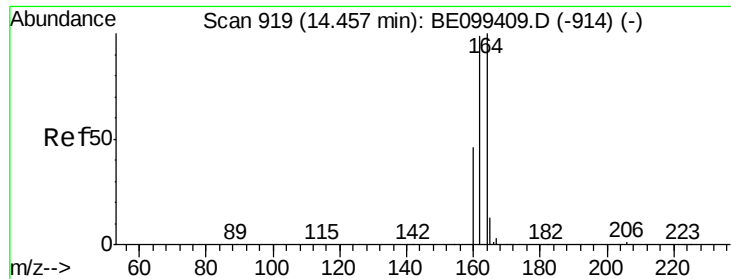
Tot Ion:152 Resp: 8316
 Ion Ratio Lower Upper
 152 100
 151 12.7 15.5 23.3#



#12
 2-Methylnaphthalene
 Concen: 0.315 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099422.D
 Acq: 30 Apr 2019 12:31

Tgt Ion:142 Resp: 6025
 Ion Ratio Lower Upper
 142 100
 141 91.4 77.0 115.4
 115 43.7 33.4 50.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

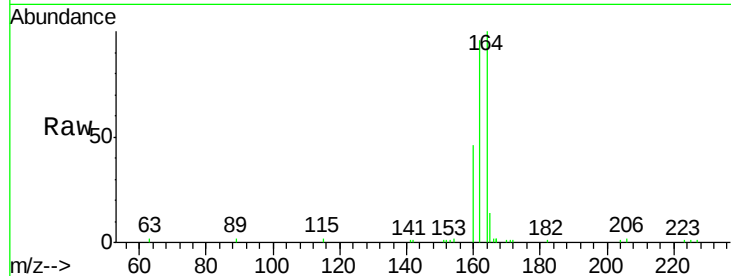
Tot Ion:164 Resp: 5992

Ion Ratio Lower Upper

164 100

162 95.9 79.0 118.4

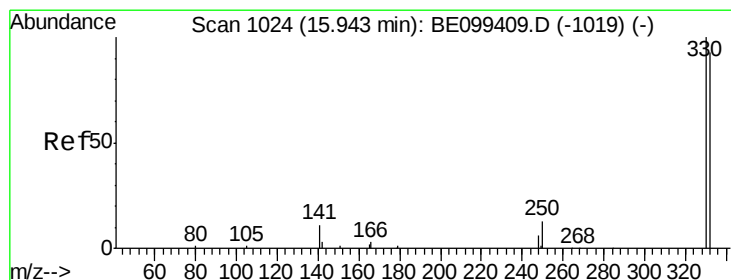
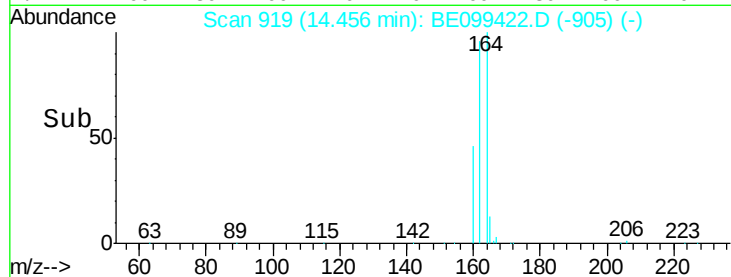
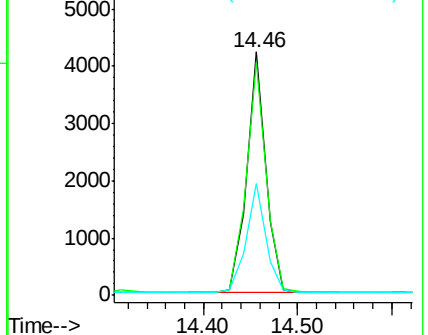
160 46.2 37.0 55.4



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: 0.243 ng

RT: 15.93 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

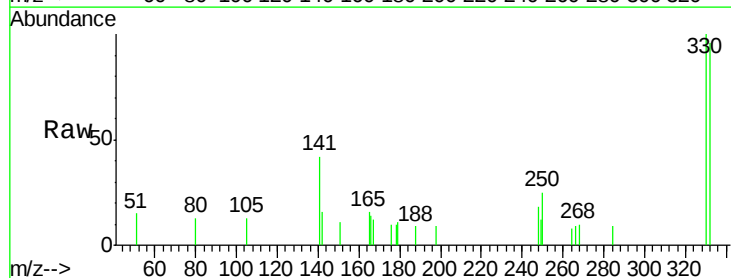
Tgt Ion:330 Resp: 918

Ion Ratio Lower Upper

330 100

332 99.9 71.5 107.3

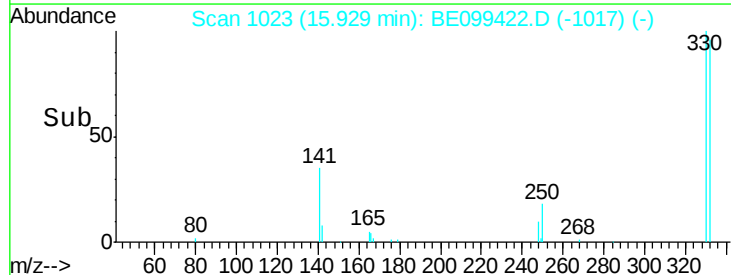
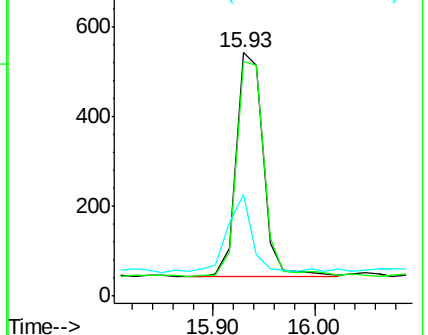
141 30.8 24.0 36.0

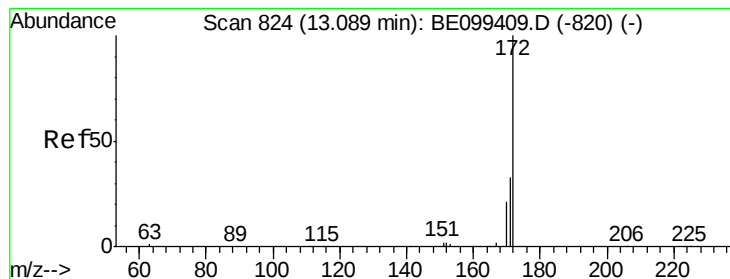


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

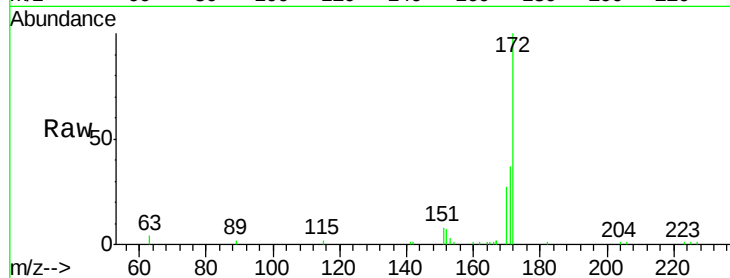




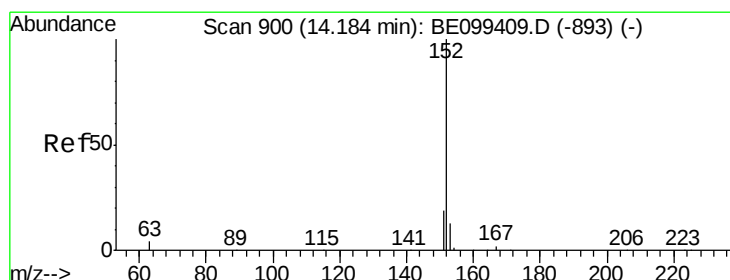
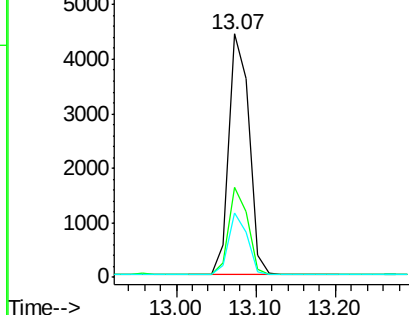
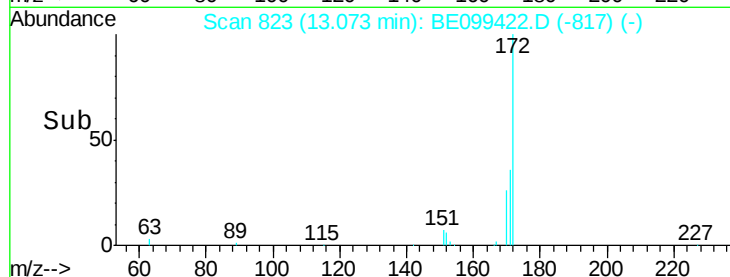
#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099422.D
Acq: 30 Apr 2019 12:31

Instrument :
BNA_E
ClientSampleId :
PB119270BS

Tot Ion:172 Resp: 7799
Ion Ratio Lower Upper
172 100
171 36.9 26.6 39.8
170 26.6 17.0 25.6#

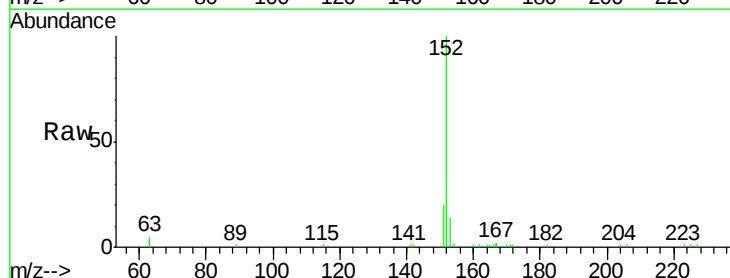


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

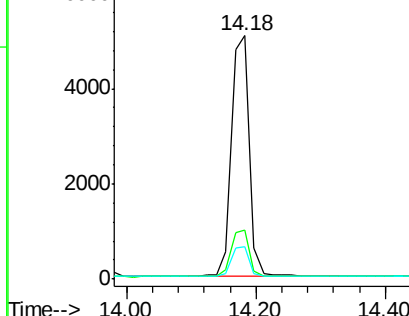
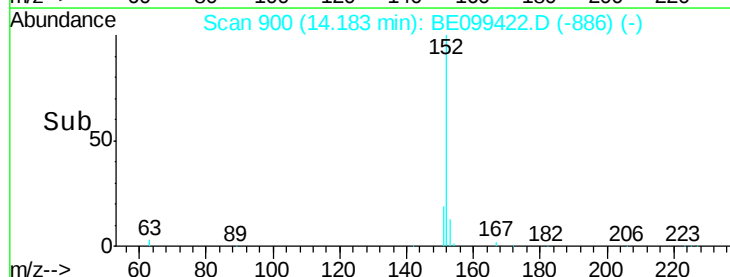


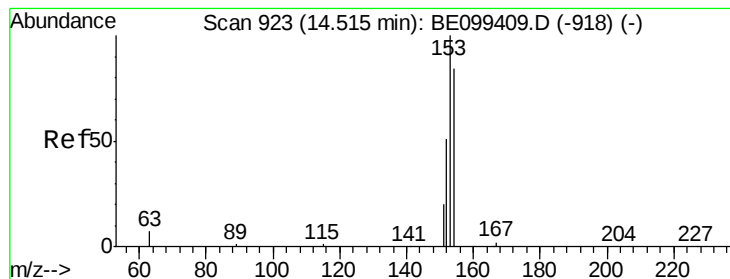
#16
Acenaphthylene
Concen: 0.332 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099422.D
Acq: 30 Apr 2019 12:31

Tgt Ion:152 Resp: 9728
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2
153 12.6 9.8 14.6



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: 0.341 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

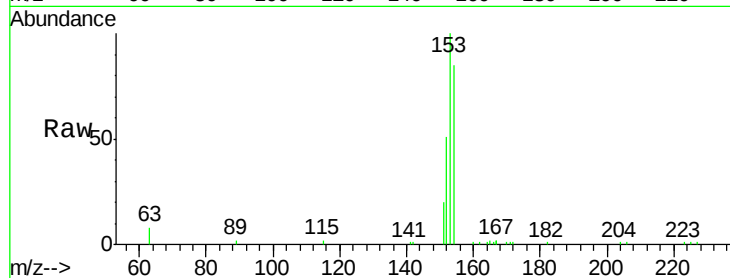
Tot Ion:154 Resp: 5713

Ion Ratio Lower Upper

154 100

153 117.6 92.6 138.8

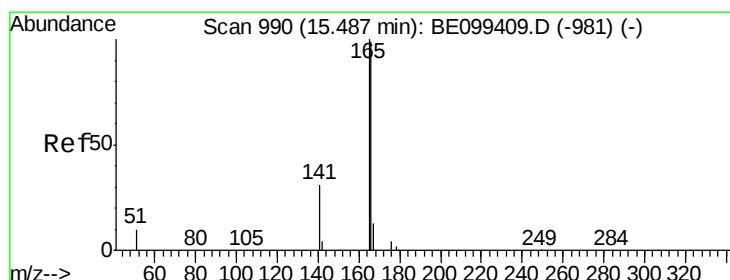
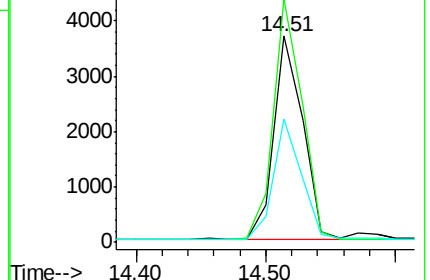
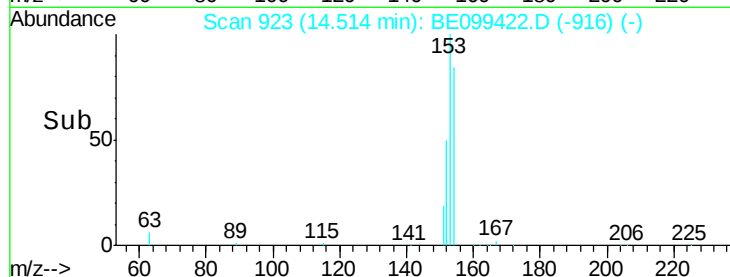
152 57.2 45.8 68.8



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: 0.317 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

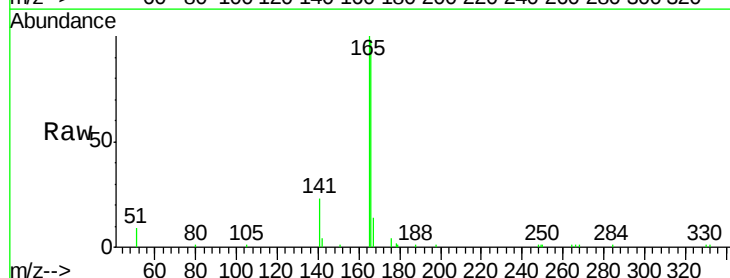
Tgt Ion:166 Resp: 7836

Ion Ratio Lower Upper

166 100

165 100.9 80.3 120.5

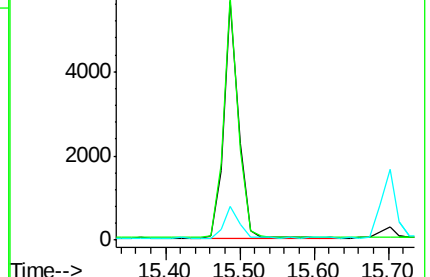
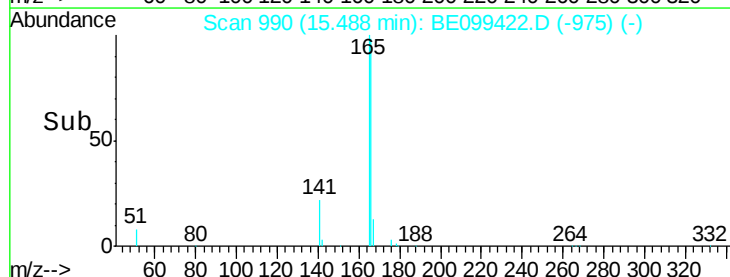
167 13.2 10.7 16.1

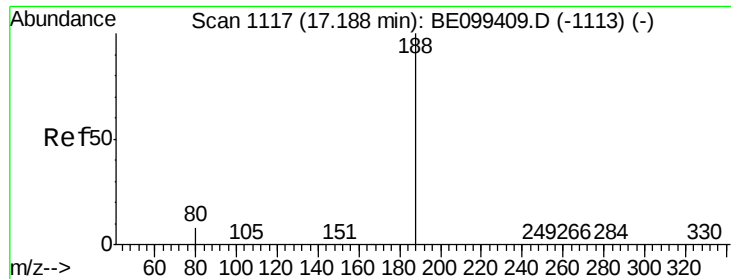


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

Tot Ion:188 Resp: 15662

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

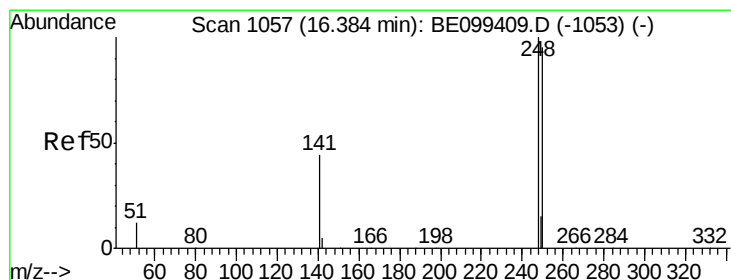
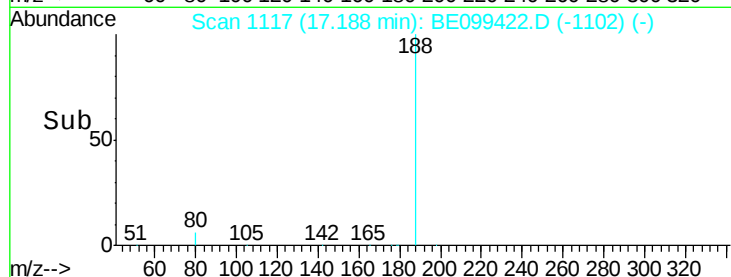
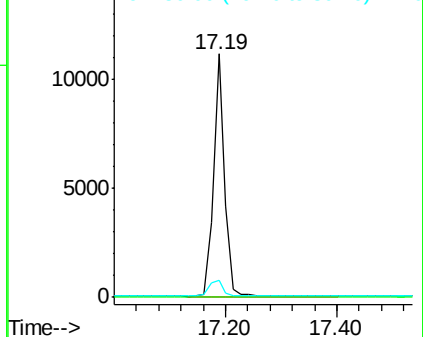
80 7.0 6.7 10.1



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: 0.349 ng

RT: 16.38 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

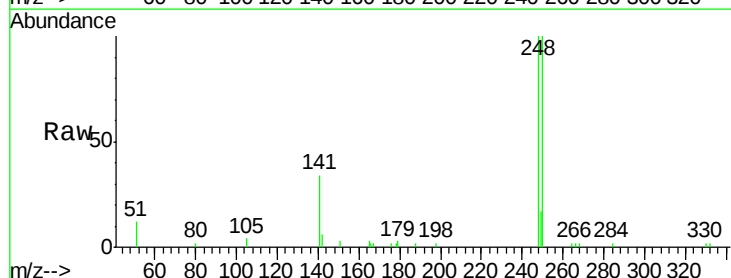
Tgt Ion:248 Resp: 3183

Ion Ratio Lower Upper

248 100

250 99.7 75.8 113.8

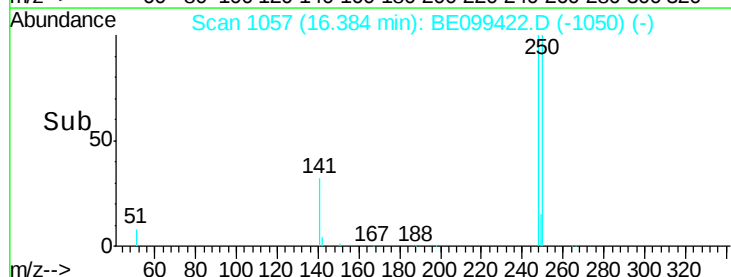
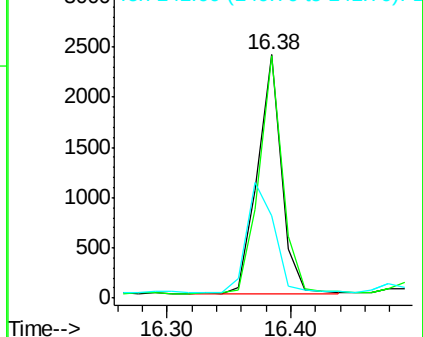
141 33.9 35.7 53.5#

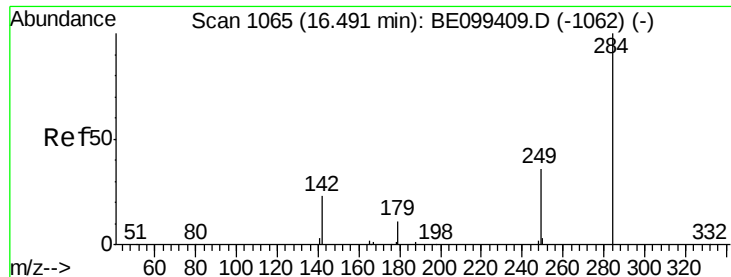


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

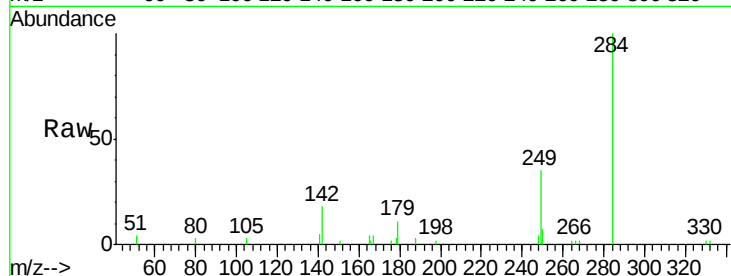




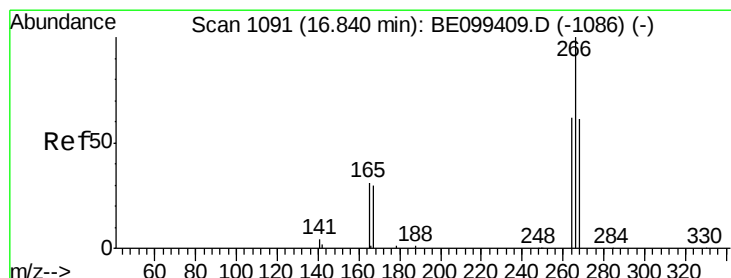
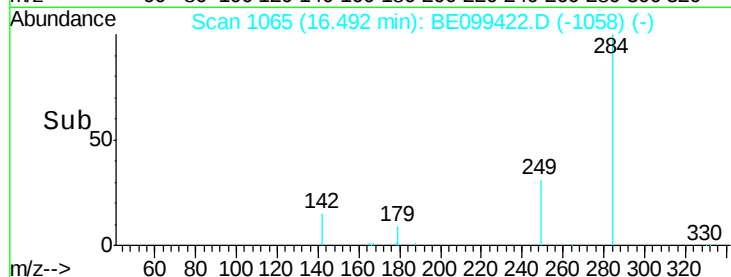
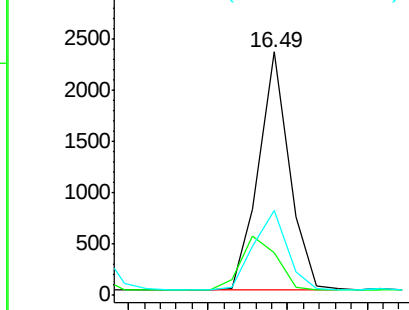
#21
Hexachlorobenzene
Concen: 0.361 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099422.D
Acq: 30 Apr 2019 12:31

Instrument :
BNA_E
ClientSampleId :
PB119270BS

Tot Ion	Ratio	Lower	Upper
284	100		
142	26.2	21.0	31.6
249	36.3	26.7	40.1

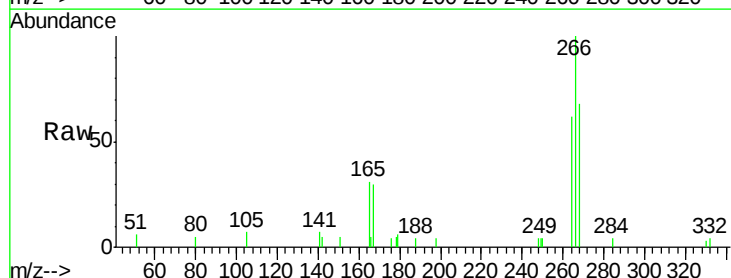


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

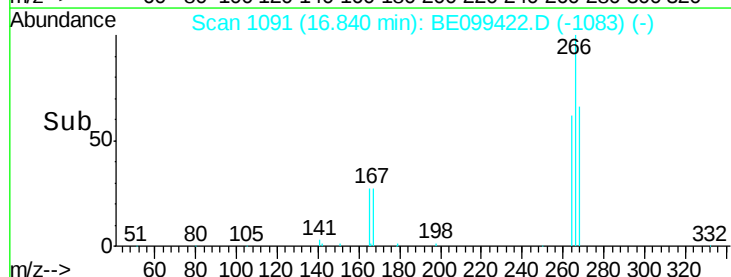
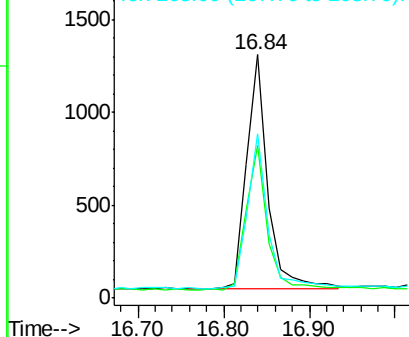


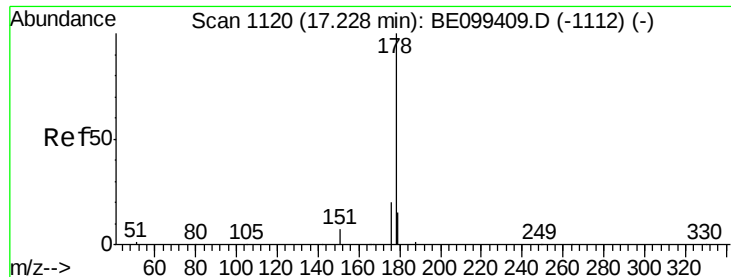
#22
Pentachlorophenol
Concen: 0.624 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099422.D
Acq: 30 Apr 2019 12:31

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.5	50.8	76.2
268	67.6	50.5	75.7



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: 0.358 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

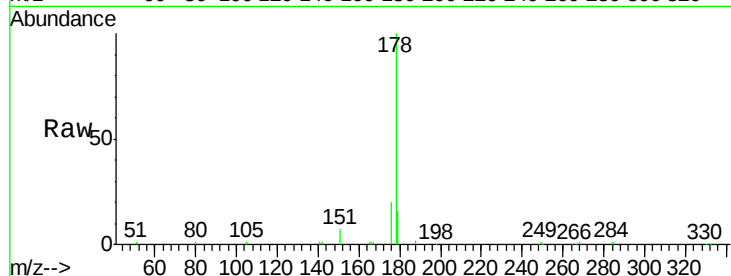
Tot Ion:178 Resp: 14469

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

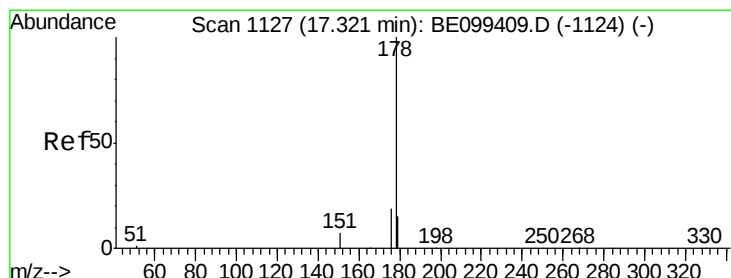
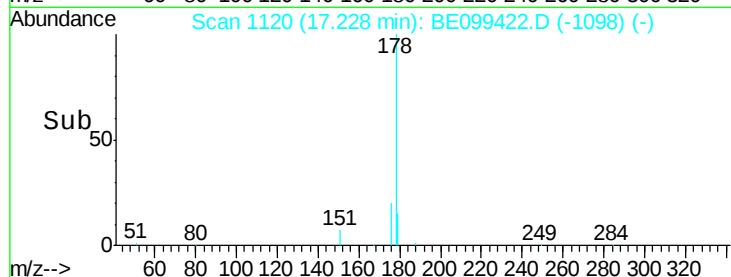
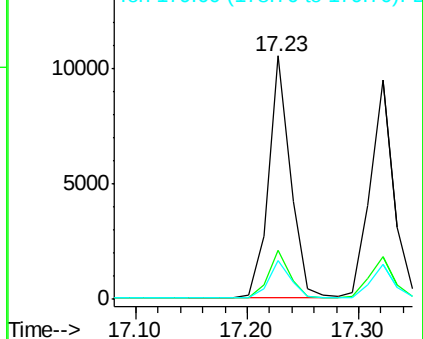
179 15.4 12.0 18.0



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: 0.356 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

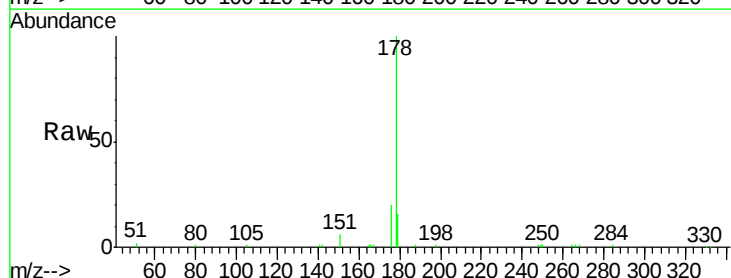
Tgt Ion:178 Resp: 13699

Ion Ratio Lower Upper

178 100

176 19.6 14.9 22.3

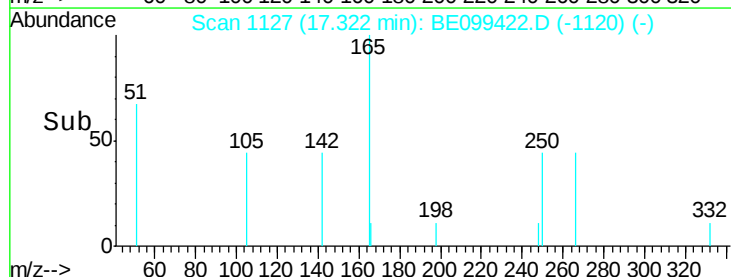
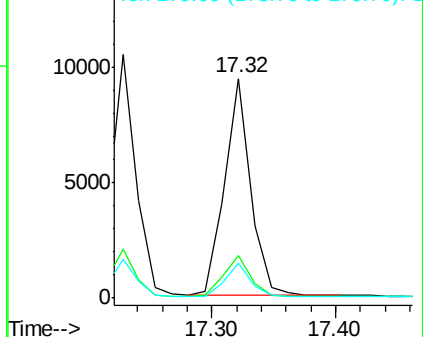
179 14.9 11.9 17.9

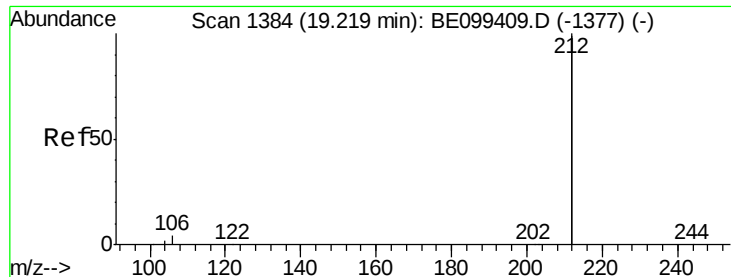


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.286 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

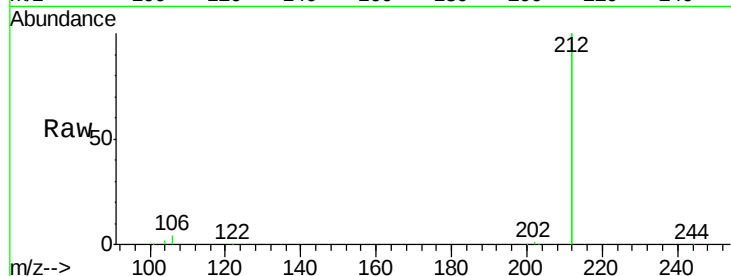
Tot Ion:212 Resp: 60272

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

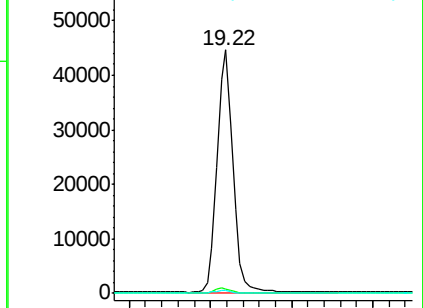
104 1.1 0.9 1.3



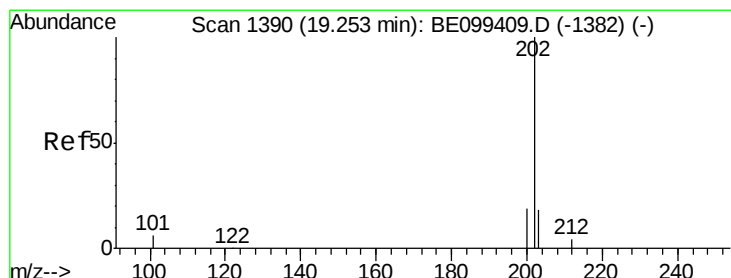
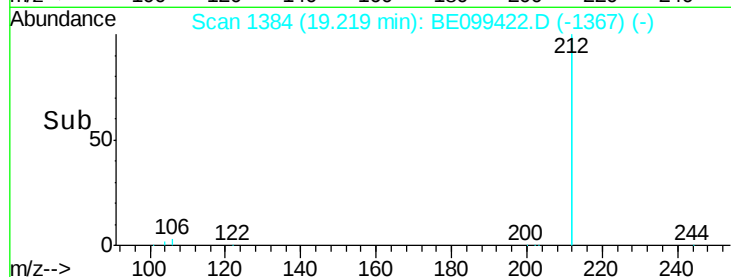
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 0.340 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

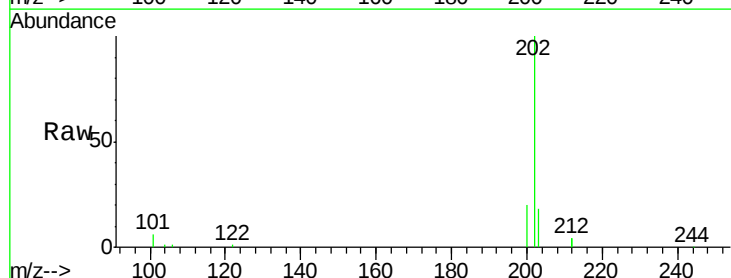
Tgt Ion:202 Resp: 20557

Ion Ratio Lower Upper

202 100

101 7.0 5.4 8.0

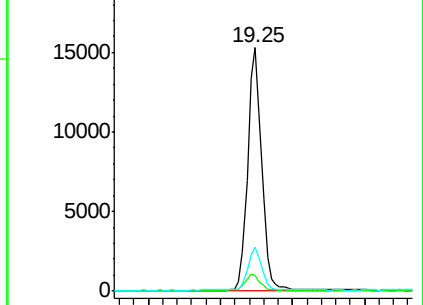
203 17.1 13.9 20.9



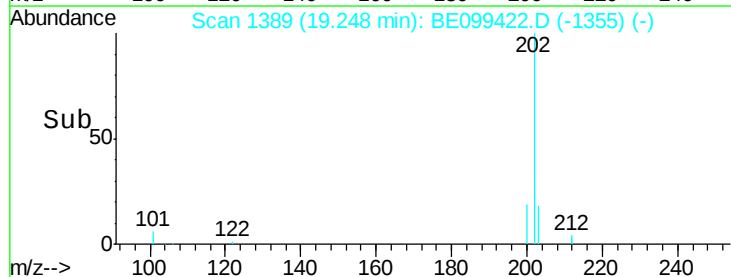
Abundance Ion 202.00 (201.70 to 202.70): E

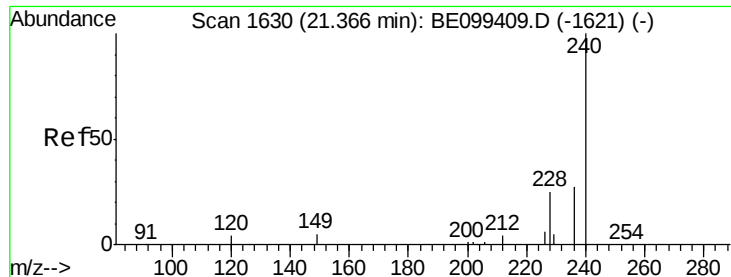
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

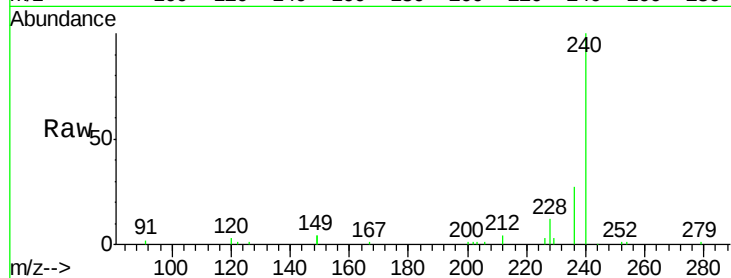
Tot Ion:240 Resp: 19065

Ion Ratio Lower Upper

240 100

120 3.4 4.0 6.0#

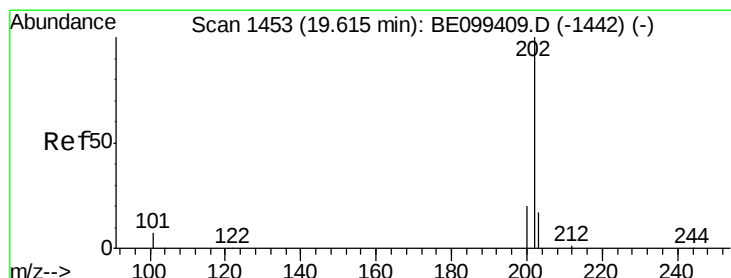
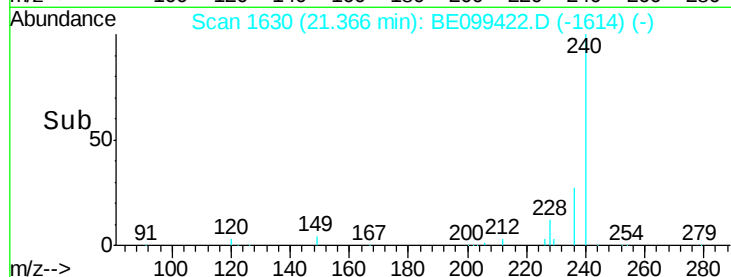
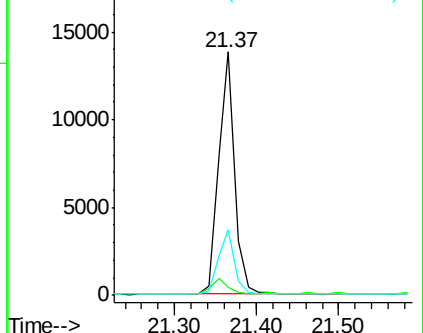
236 26.9 22.0 33.0



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: 0.432 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

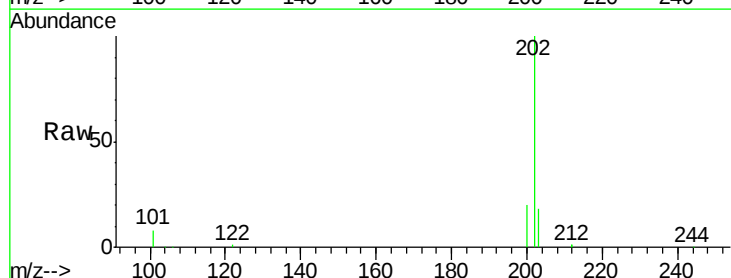
Tgt Ion:202 Resp: 21449

Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

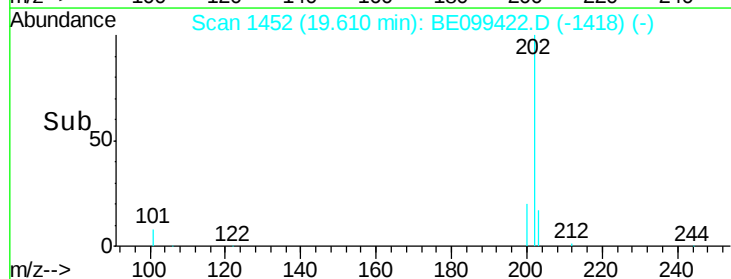
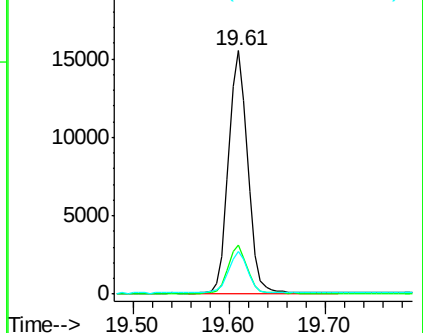
203 17.6 13.9 20.9

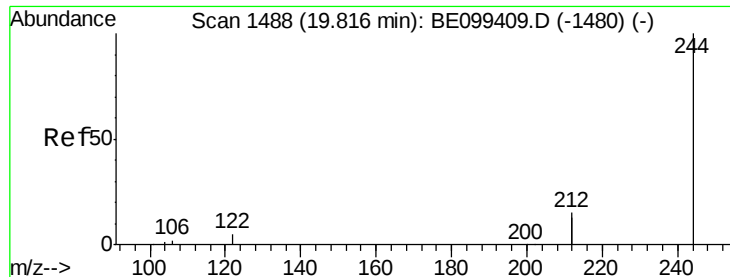


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.369 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

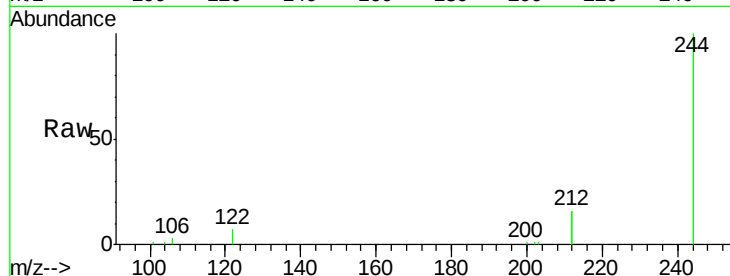
Tot Ion:244 Resp: 12881

Ion Ratio Lower Upper

244 100

212 31.0 23.2 34.8

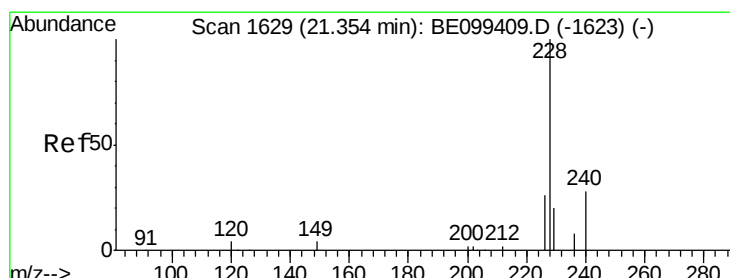
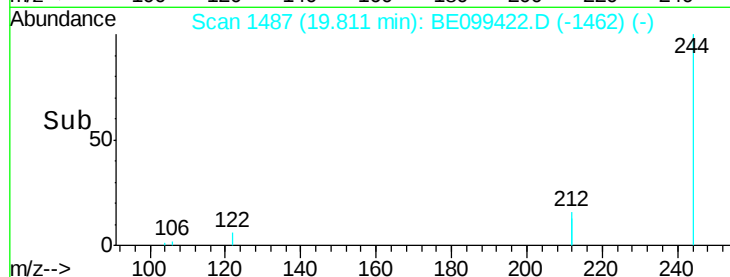
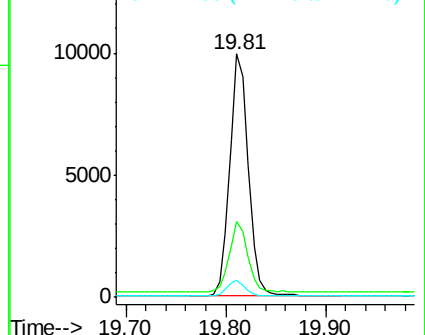
122 7.0 4.2 6.4#



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: 0.428 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

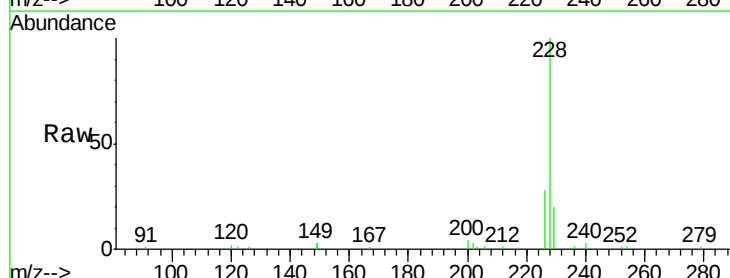
Tgt Ion:228 Resp: 26020

Ion Ratio Lower Upper

228 100

226 27.8 21.0 31.6

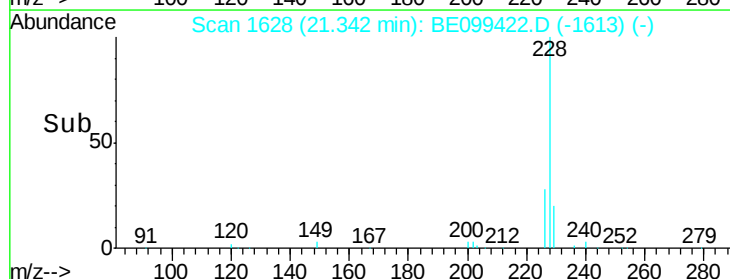
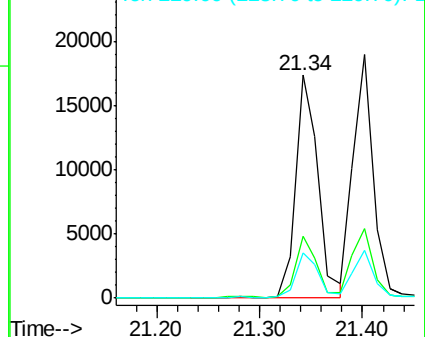
229 20.2 16.6 25.0

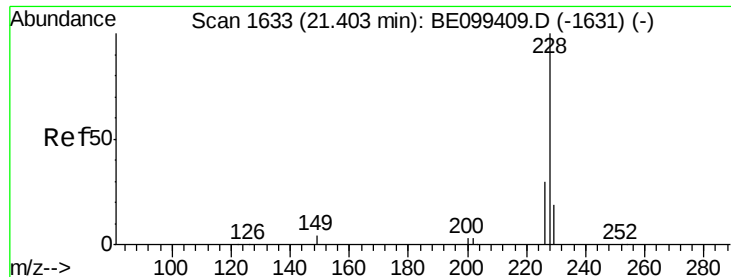


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.424 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

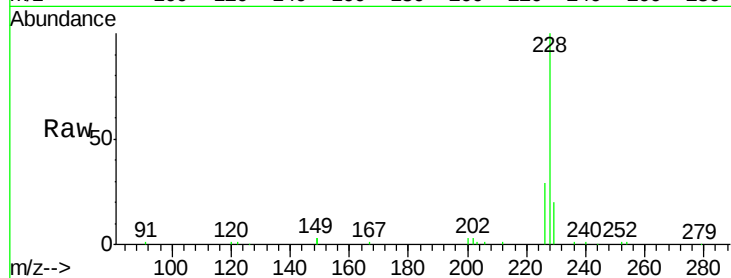
Tot Ion:228 Resp: 25211

Ion Ratio Lower Upper

228 100

226 28.7 24.0 36.0

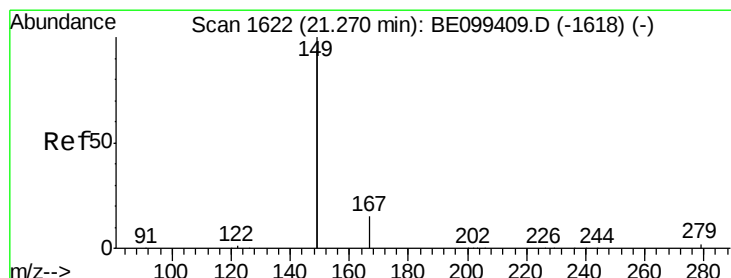
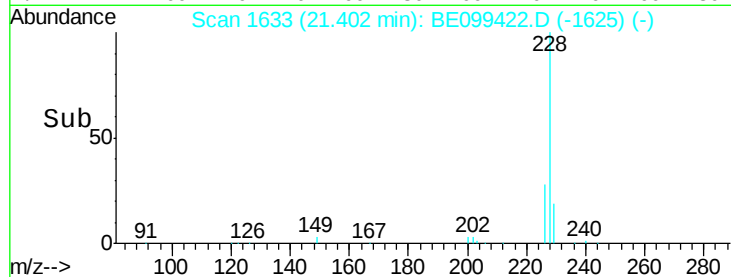
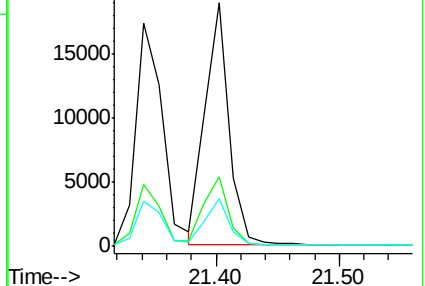
229 19.7 15.8 23.8



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.326 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

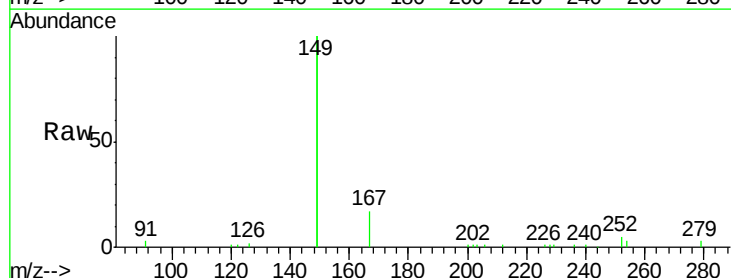
Tgt Ion:149 Resp: 34065

Ion Ratio Lower Upper

149 100

167 7.3 5.8 8.6

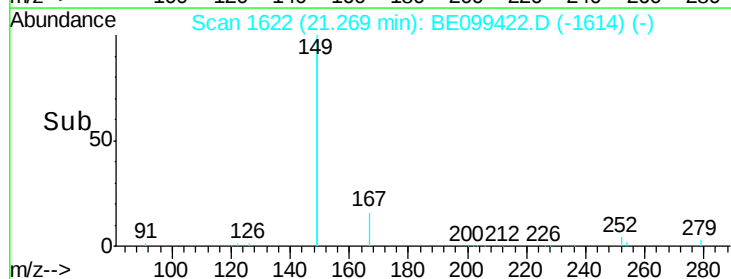
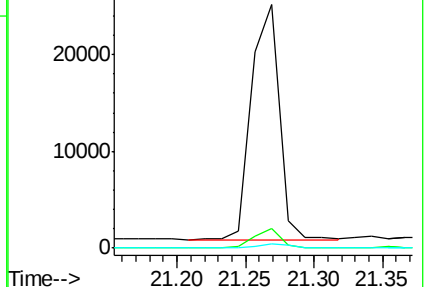
279 1.3 1.0 1.6

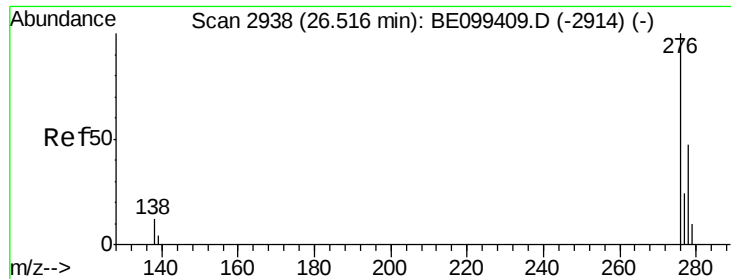


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.513 ng

RT: 26.51 min Scan# 2935

Delta R.T. -0.01 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

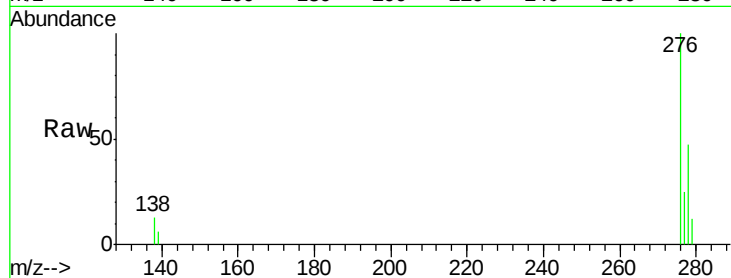
Tot Ion:276 Resp: 36034

Ion Ratio Lower Upper

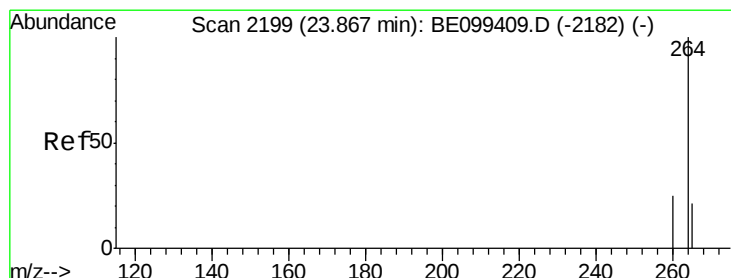
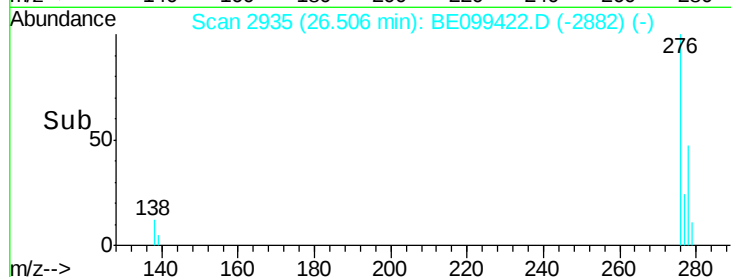
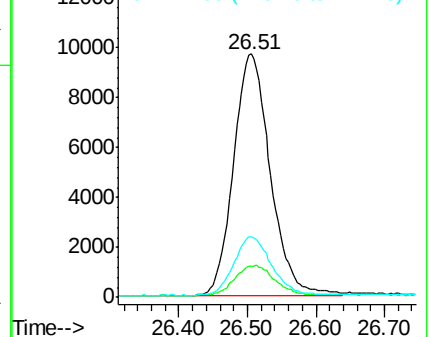
276 100

138 13.4 10.2 15.2

277 24.8 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

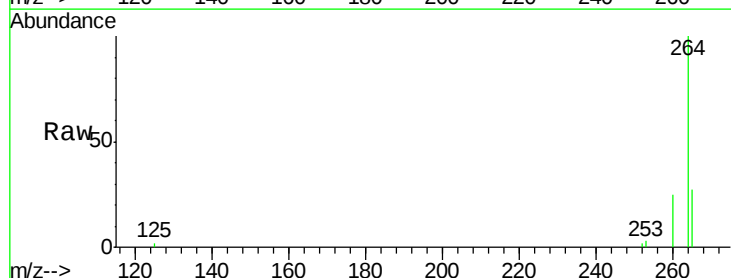
Tgt Ion:264 Resp: 23132

Ion Ratio Lower Upper

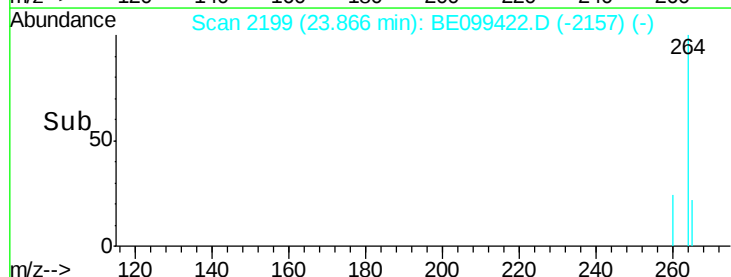
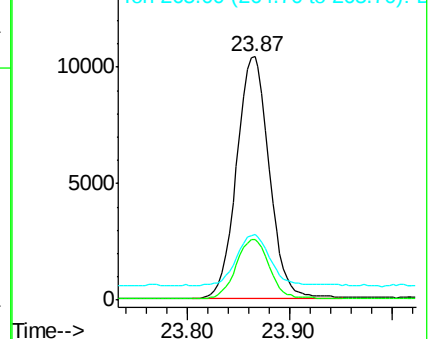
264 100

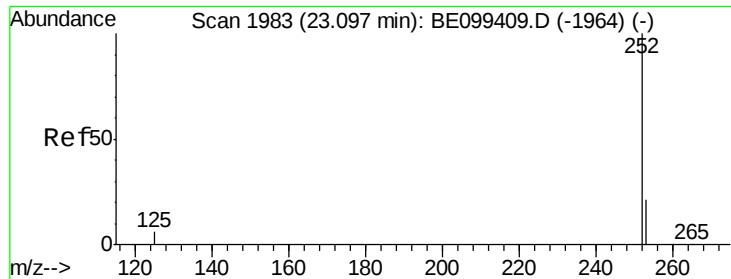
260 25.0 20.2 30.2

265 27.2 21.3 31.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.387 ng

RT: 23.10 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS

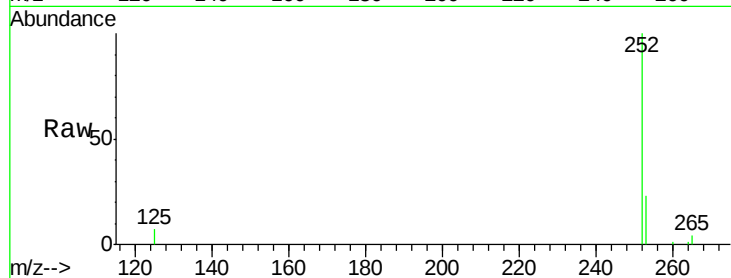
Tot Ion:252 Resp: 25804

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

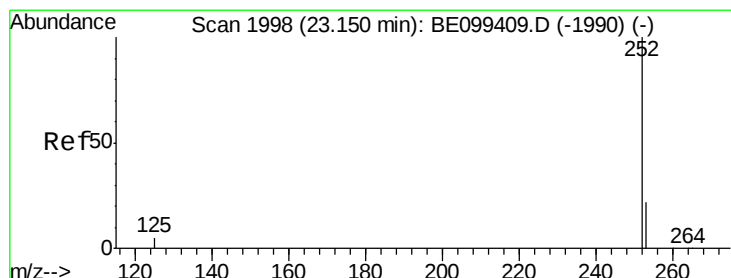
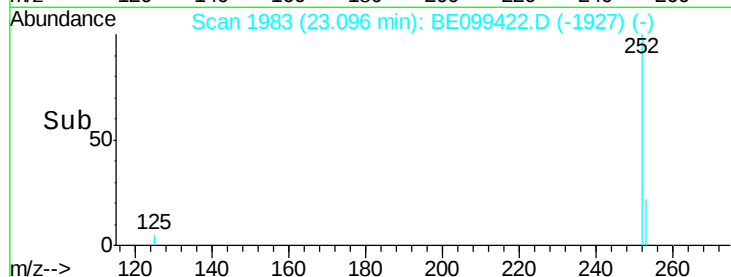
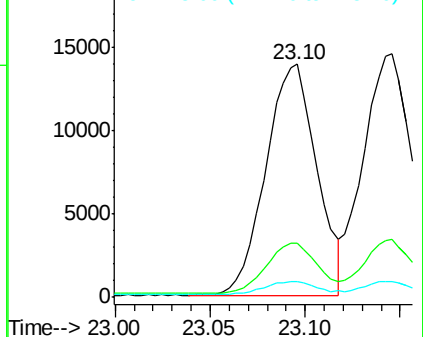
125 6.6 5.6 8.4



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: 0.413 ng

RT: 23.15 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE099422.D

Acq: 30 Apr 2019 12:31

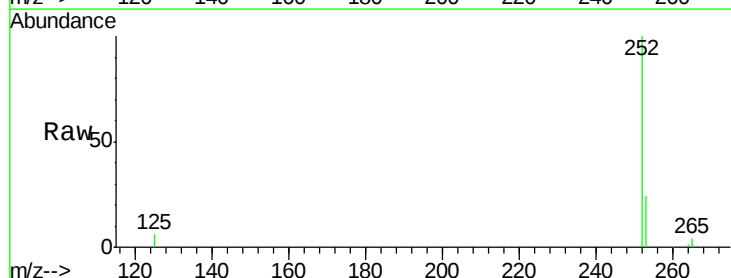
Tgt Ion:252 Resp: 26590

Ion Ratio Lower Upper

252 100

253 24.0 18.4 27.6

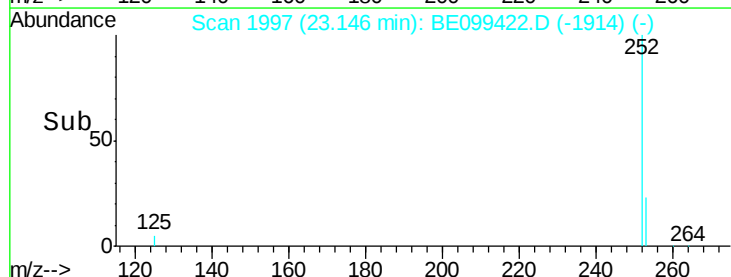
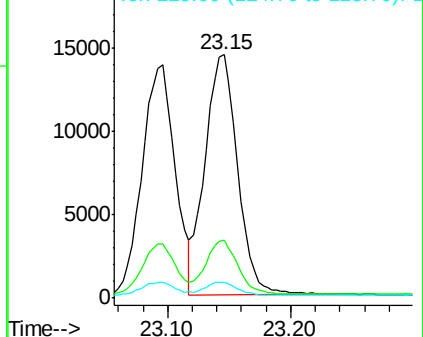
125 6.3 5.0 7.4

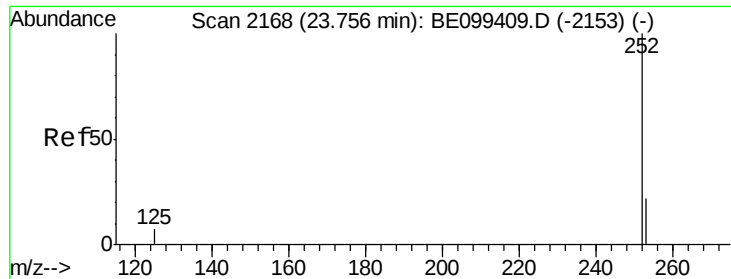


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

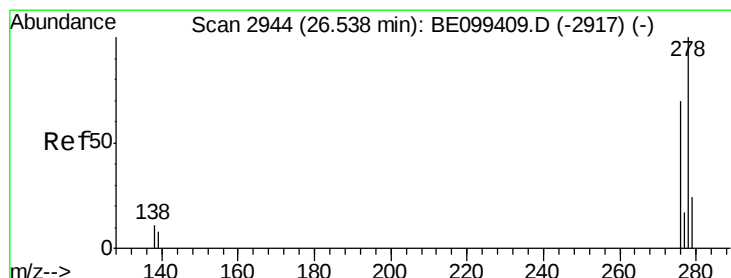
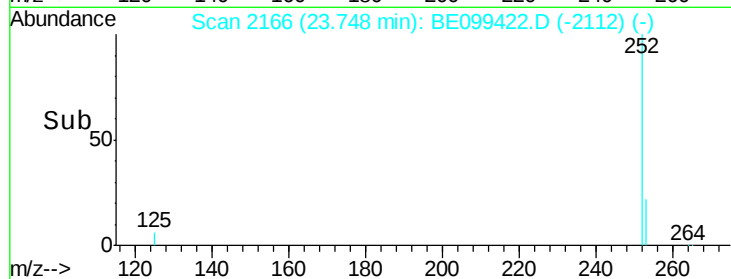
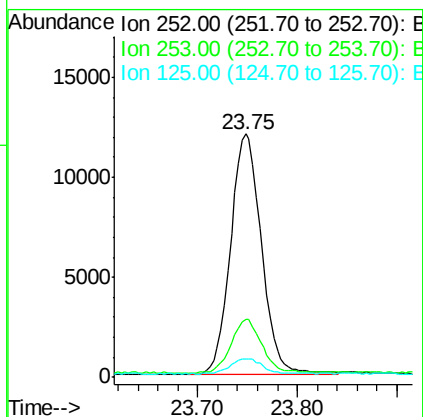
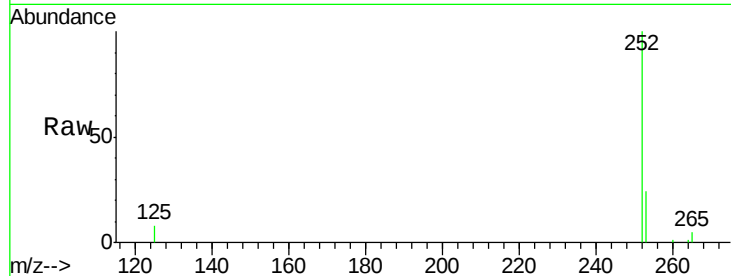




#37
Benzo(a)pyrene
Concen: 0.410 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099422.D
Acq: 30 Apr 2019 12:31

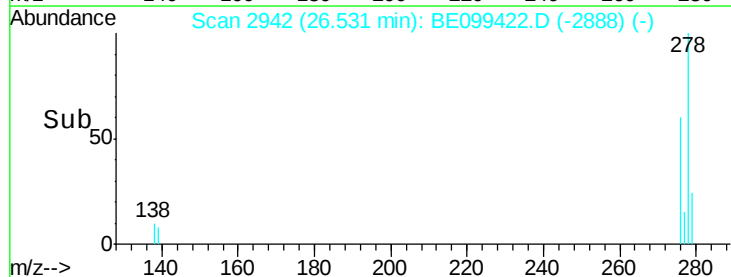
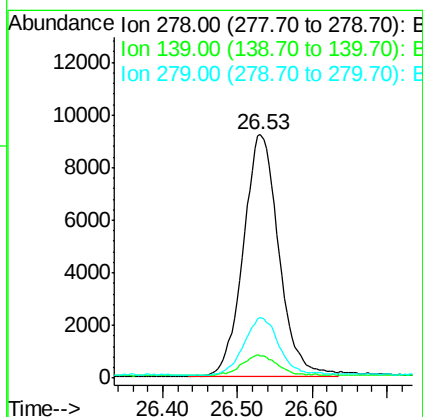
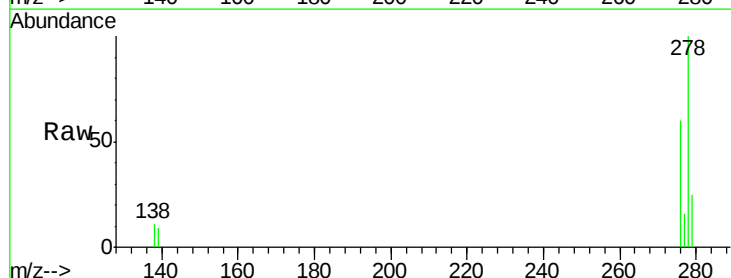
Instrument :
BNA_E
ClientSampleId :
PB119270BS

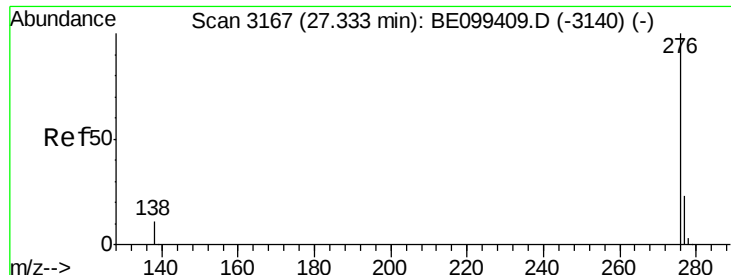
Tot Ion:252 Resp: 25868
Ion Ratio Lower Upper
252 100
253 23.6 18.9 28.3
125 7.6 6.7 10.1



#38
Dibenzo(a,h)anthracene
Concen: 0.469 ng
RT: 26.53 min Scan# 2942
Delta R.T. -0.01 min
Lab File: BE099422.D
Acq: 30 Apr 2019 12:31

Tgt Ion:278 Resp: 30283
Ion Ratio Lower Upper
278 100
139 9.0 7.7 11.5
279 25.1 20.2 30.2





#39

Benzo(a,h,i)perylene

Concen: 0.479 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE099422.D

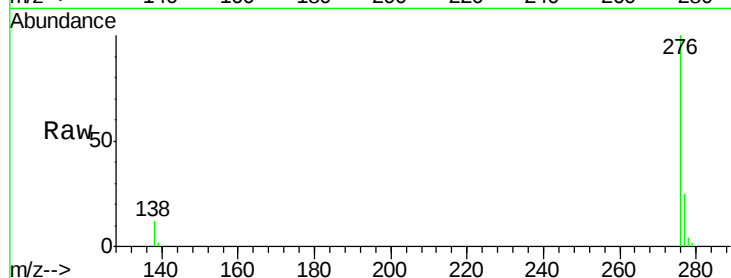
Acq: 30 Apr 2019 12:31

Instrument :

BNA_E

ClientSampleId :

PB119270BS



Tot Ion: 276 Resp: 30981

Ion Ratio Lower Upper

276 100

277 24.6 19.5 29.3

138 12.2 9.6 14.4

