

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010419\
 Data File : BE098619.D
 Acq On : 4 Jan 2019 17:27
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 04 21:14:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 02 10:30:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1078	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	4948	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	3245	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	7629	0.40	ng	0.00
27) Chrysene-d12	21.41	240	8753	0.40	ng	0.01
34) Perylene-d12	23.92	264	8604	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	1359	0.54	ng	0.01
5) Phenol-d6	7.00	99	2020	0.57	ng	0.01
8) Nitrobenzene-d5	8.96	82	1887	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	3421	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	616	0.52	ng	0.01
15) 2-Fluorobiphenyl	13.09	172	5372	0.39	ng	0.00
25) Fluoranthene-d10	19.26	212	39339	0.40	ng	0.00
29) Terphenyl-d14	19.86	244	8122	0.38	ng	0.00

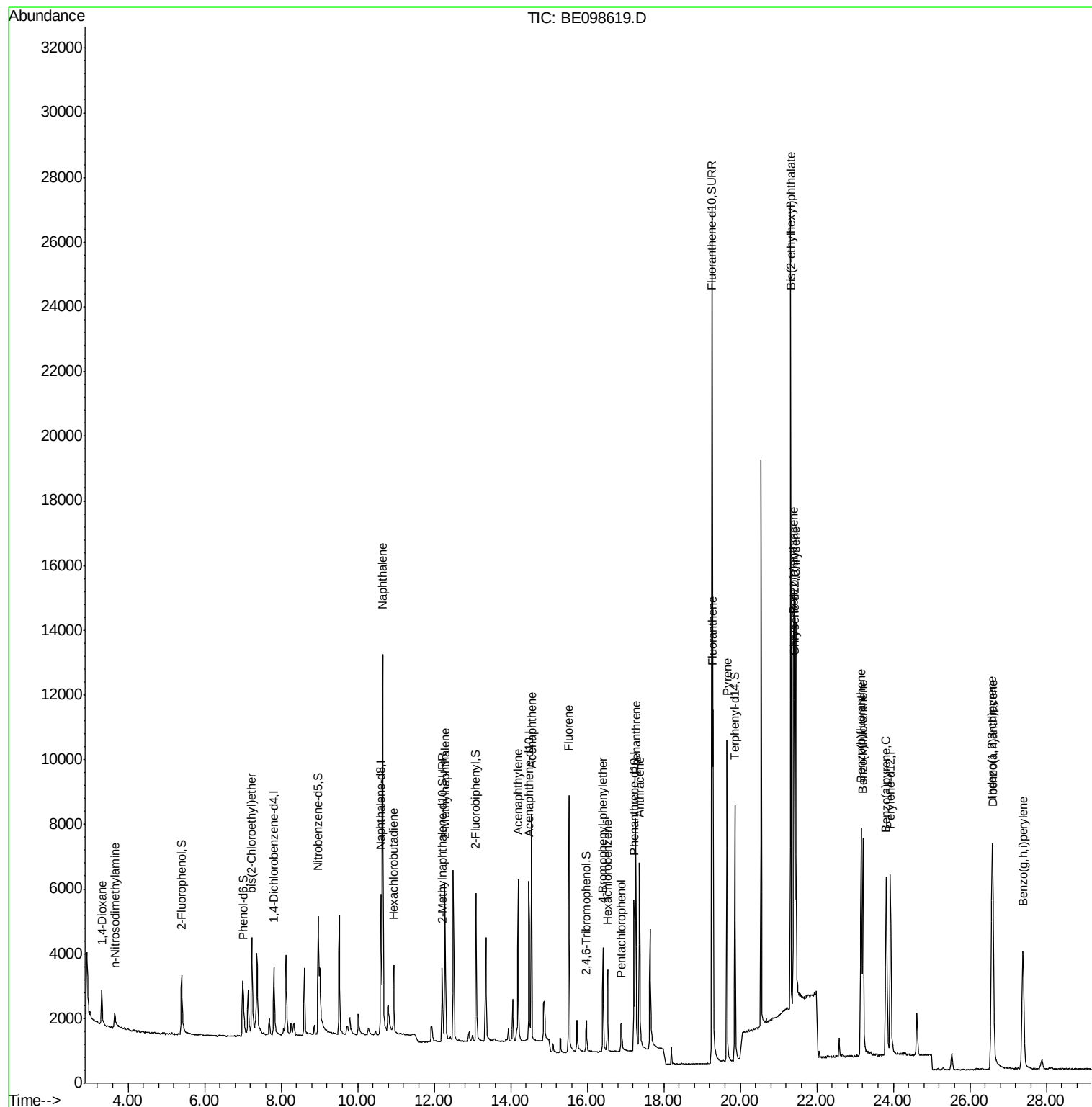
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	761	0.408	ng	94
3) n-Nitrosodimethylamine	3.65	42	677	0.403	ng	# 100
6) bis(2-Chloroethyl)ether	7.23	93	1434	0.422	ng	93
9) Naphthalene	10.65	128	20549	0.413	ng	99
10) Hexachlorobutadiene	10.94	225	1467	0.463	ng	97
12) 2-Methylnaphthalene	12.28	142	3463	0.428	ng	97
16) Acenaphthylene	14.20	152	5915	0.389	ng	98
17) Acenaphthene	14.54	154	3700	0.405	ng	99
18) Fluorene	15.52	166	4837	0.396	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	1741	0.424	ng	# 88
21) Hexachlorobenzene	16.53	284	1962	0.444	ng	97
22) Pentachlorophenol	16.89	266	662	0.815	ng	91
23) Phenanthrene	17.27	178	7557	0.408	ng	100
24) Anthracene	17.36	178	6491	0.393	ng	99
26) Fluoranthene	19.29	202	9811	0.400	ng	98
28) Pyrene	19.65	202	10208	0.372	ng	100
30) Benzo(a)anthracene	21.39	228	10371	0.416	ng	98
31) Chrysene	21.45	228	10148	0.389	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	24793	0.490	ng	99
33) Indeno(1,2,3-cd)pyrene	26.58	276	11203	0.431	ng	98
35) Benzo(b)fluoranthene	23.15	252	9832	0.418	ng	97
36) Benzo(k)fluoranthene	23.21	252	10956	0.400	ng	98
37) Benzo(a)pyrene	23.81	252	9982	0.411	ng	98
38) Dibenzo(a,h)anthracene	26.60	278	9232	0.404	ng	# 95
39) Benzo(g,h,i)perylene	27.39	276	9457	0.410	ng	97

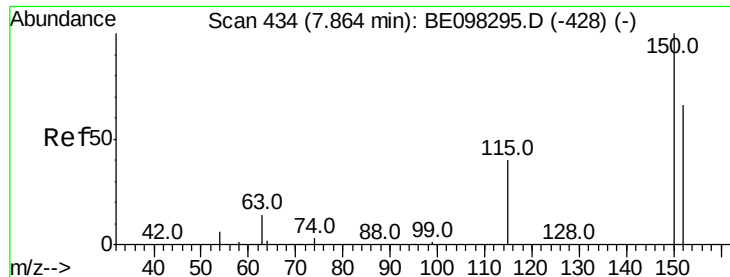
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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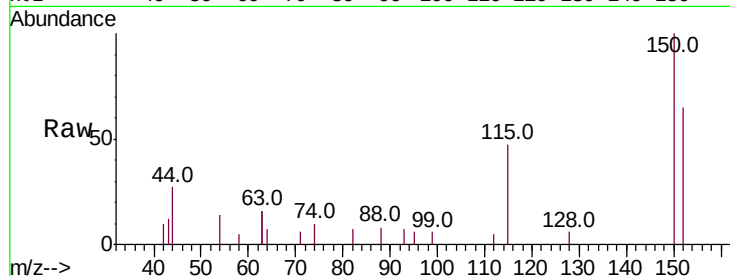


#1

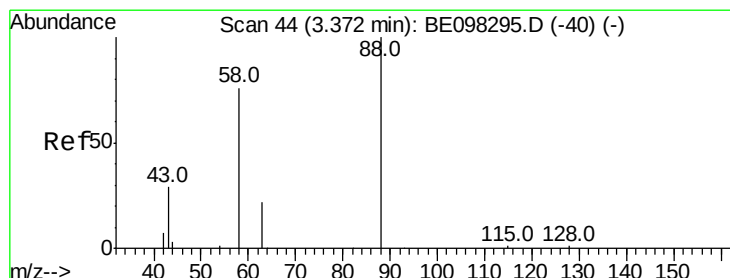
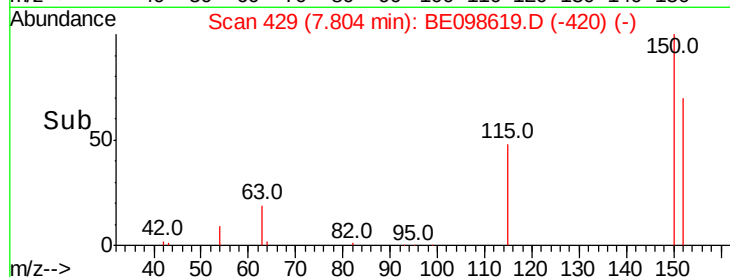
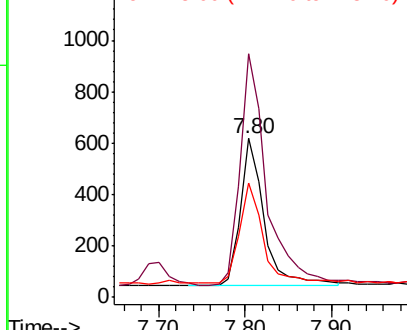
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1078
Ion Ratio Lower Upper
152 100
150 153.2 124.2 186.4
115 71.8 53.9 80.9



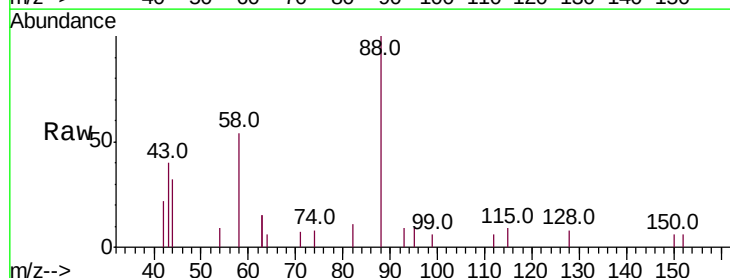
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



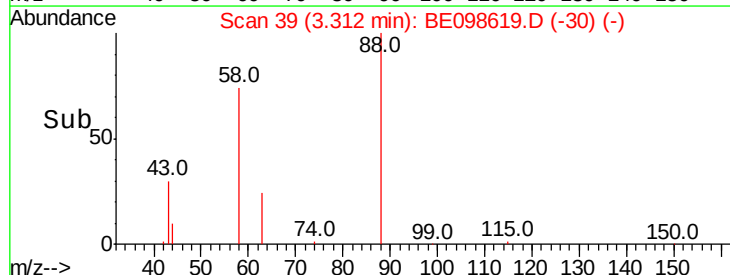
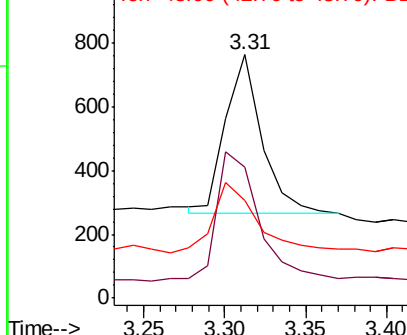
#2

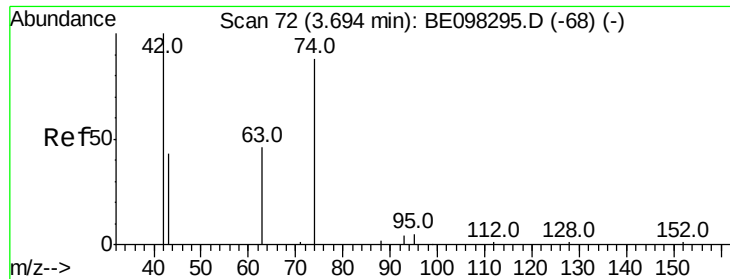
1,4-Dioxane
Concen: 0.408 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion: 88 Resp: 761
Ion Ratio Lower Upper
88 100
58 96.6 75.0 112.6
43 55.7 38.3 57.5



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: 0.403 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampled :

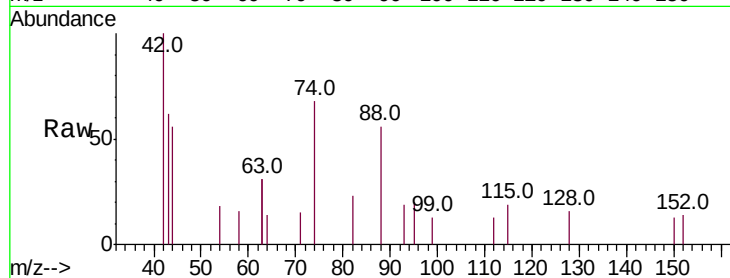
Tot Ion: 42 Resp: 677

Ion Ratio Lower Upper

42 100

74 71.5 0.0 0.0#

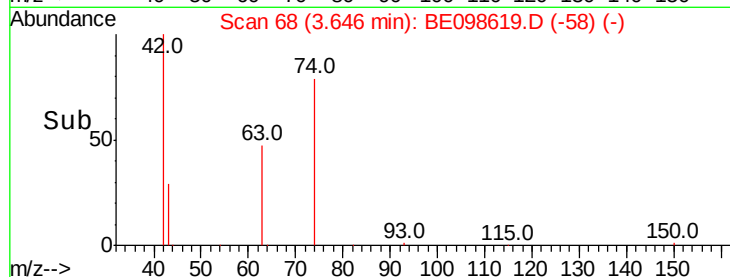
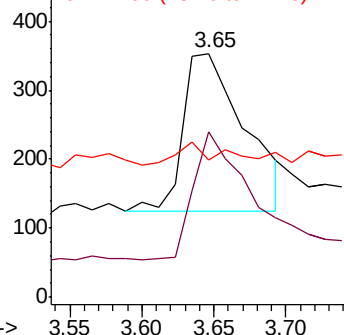
44 10.2 0.0 0.0#



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: 0.539 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

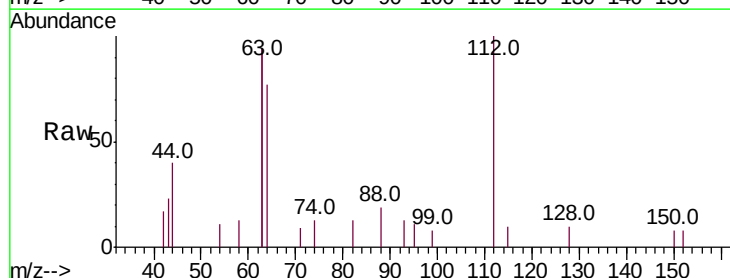
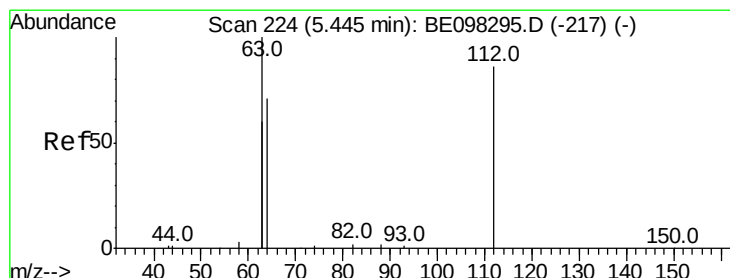
Tgt Ion: 112 Resp: 1359

Ion Ratio Lower Upper

112 100

64 76.3 59.8 89.8

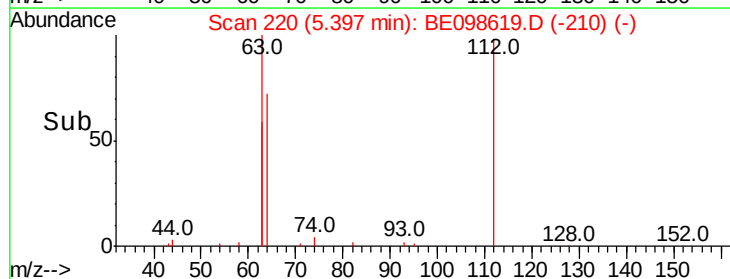
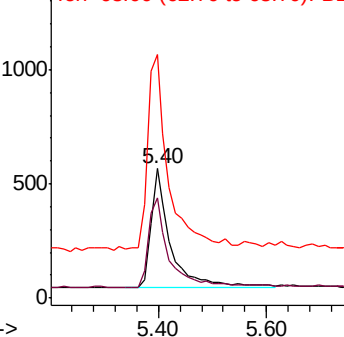
63 174.8 133.7 200.5

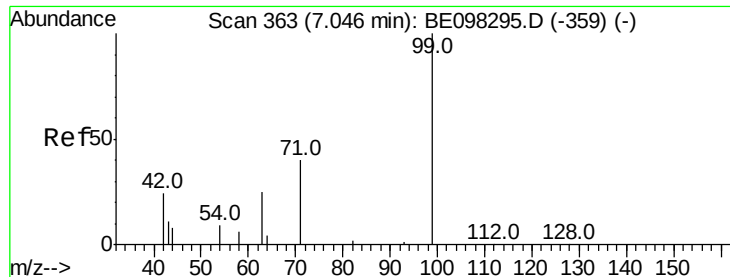


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.565 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampled :

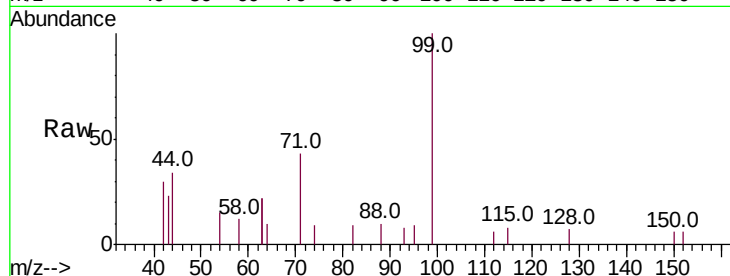
Tot Ion: 99 Resp: 2020

Ion Ratio Lower Upper

99 100

42 29.2 26.3 39.5

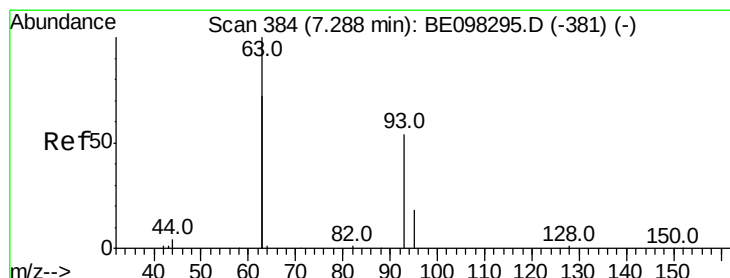
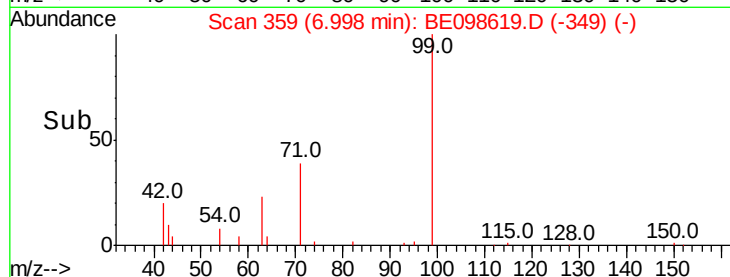
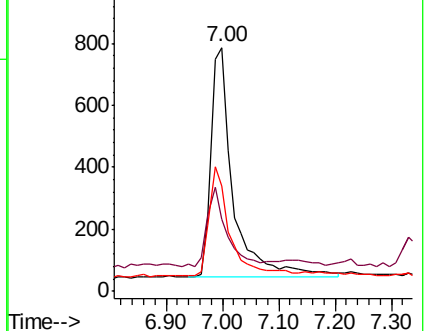
71 44.7 33.6 50.4



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: 0.422 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.00 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

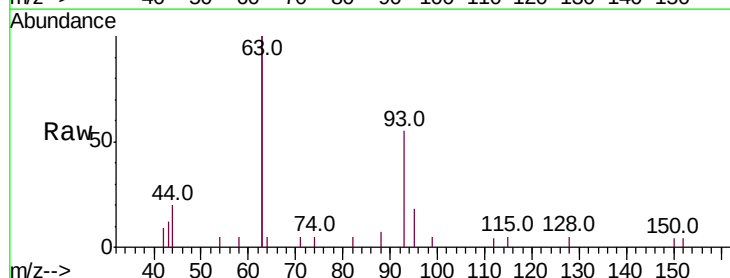
Tgt Ion: 93 Resp: 1434

Ion Ratio Lower Upper

93 100

63 315.8 264.4 396.6

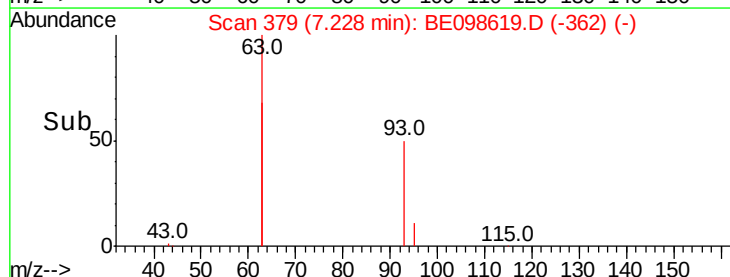
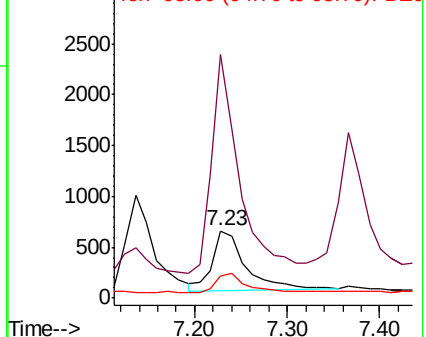
95 30.1 26.6 40.0

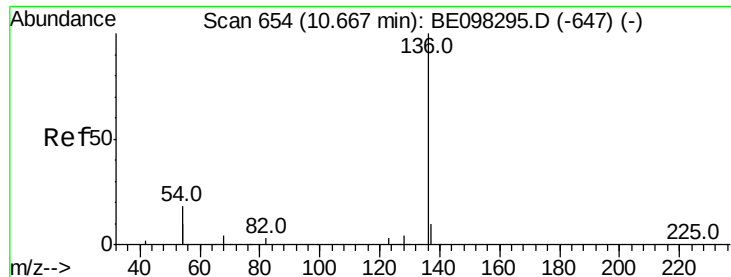


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. -0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4948

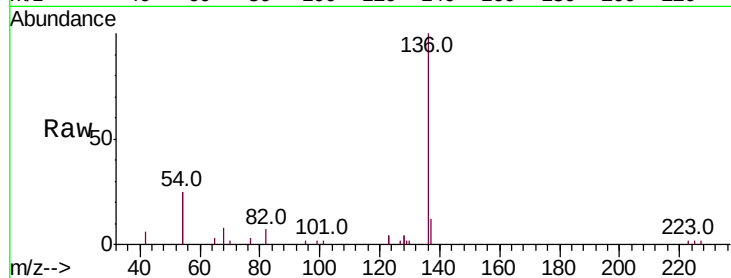
Ion Ratio Lower Upper

136 100

137 12.1 9.2 13.8

54 50.1 28.4 42.6#

68 7.9 5.4 8.0

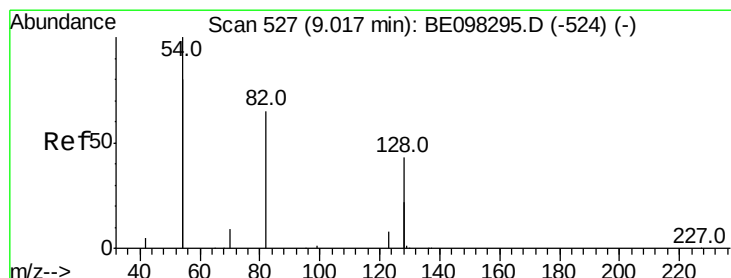
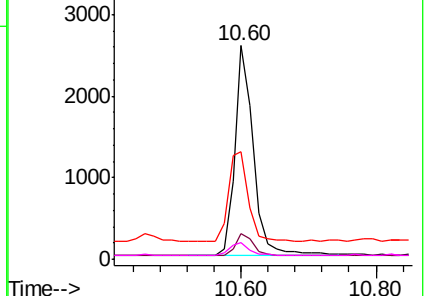
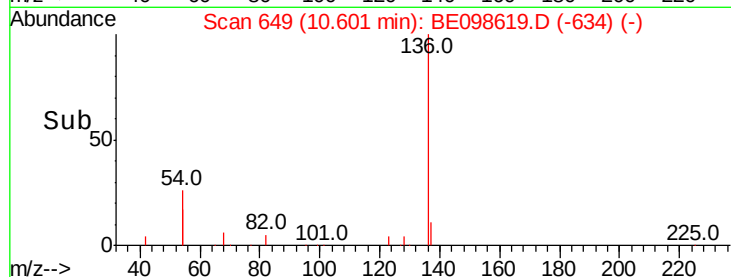


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.419 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

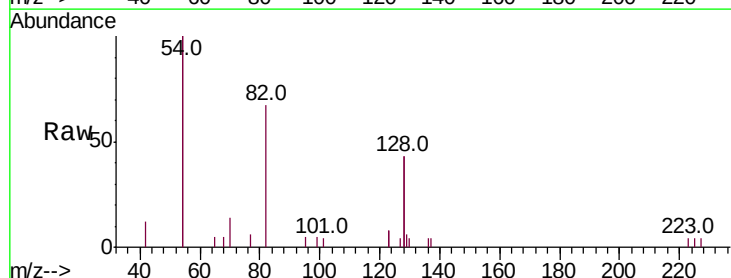
Tgt Ion: 82 Resp: 1887

Ion Ratio Lower Upper

82 100

128 126.6 102.4 153.6

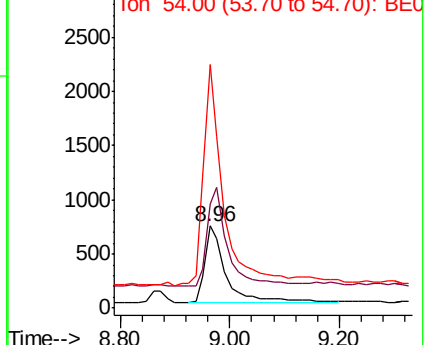
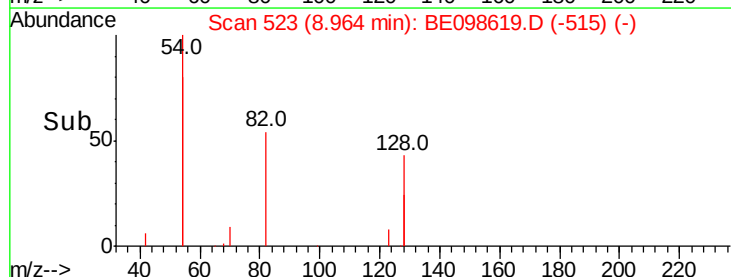
54 297.0 221.8 332.8

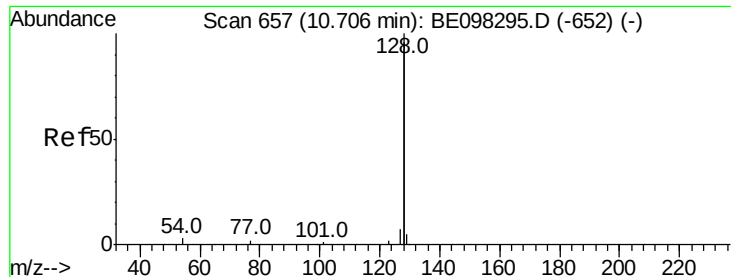


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.413 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampled :

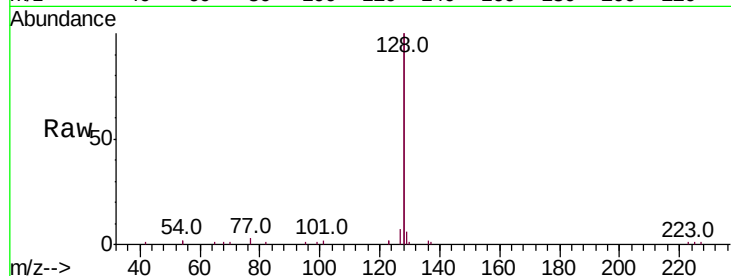
Tot Ion:128 Resp: 20549

Ion Ratio Lower Upper

128 100

129 3.2 2.5 3.7

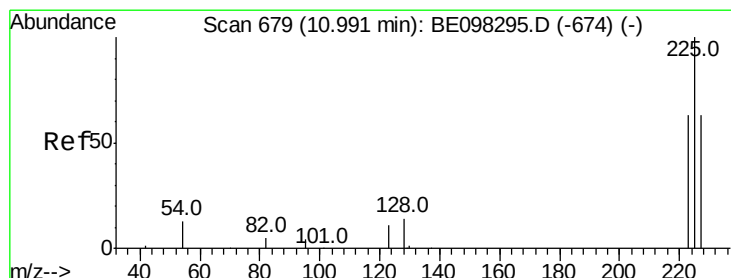
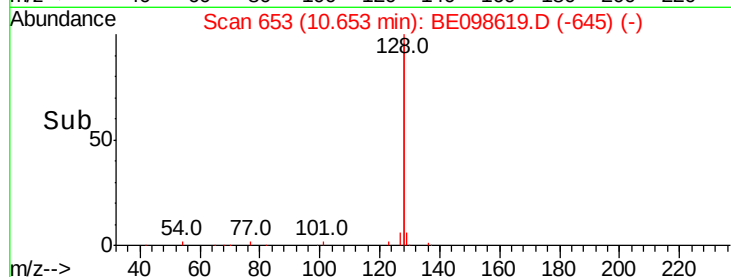
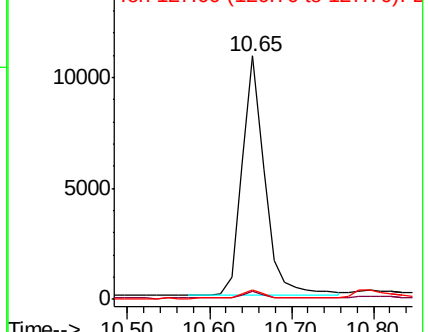
127 3.7 2.7 4.1



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: 0.463 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

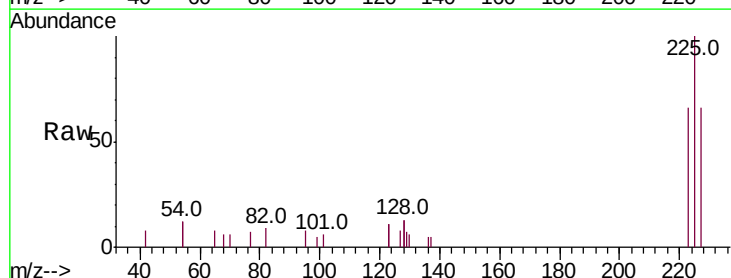
Tgt Ion:225 Resp: 1467

Ion Ratio Lower Upper

225 100

223 64.2 49.4 74.0

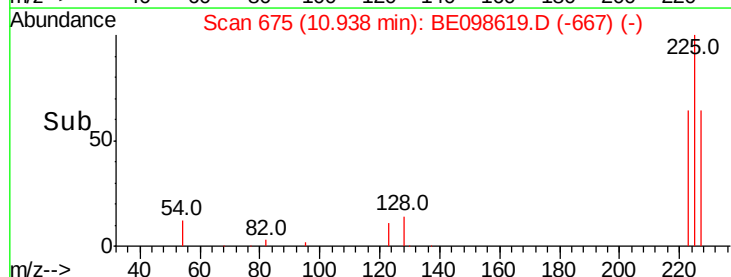
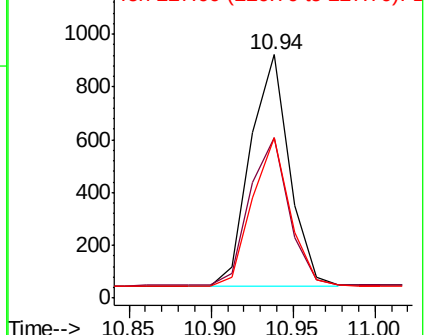
227 62.2 52.0 78.0

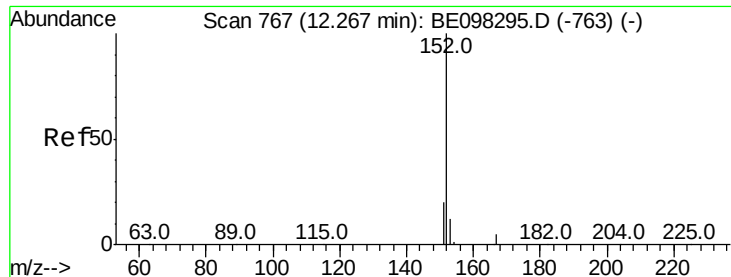


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

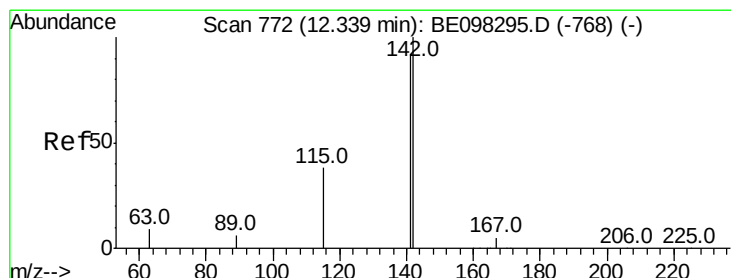
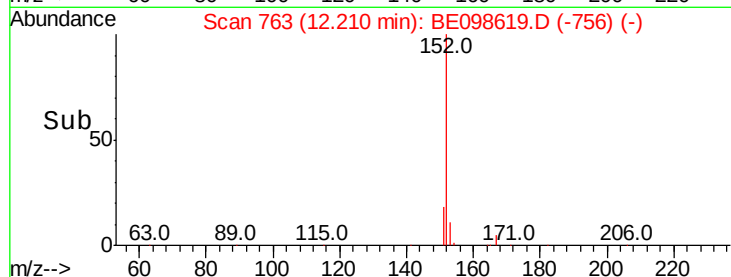
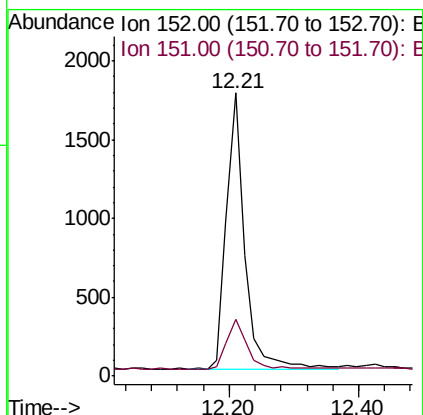
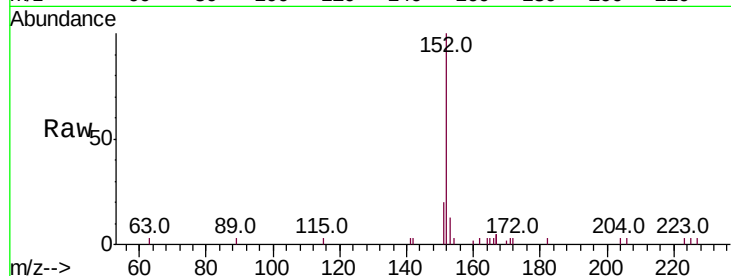




#11
 2-Methylnaphthalene-d10
 Concen: 0.425 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BE098619.D
 Acq: 4 Jan 2019 17:27

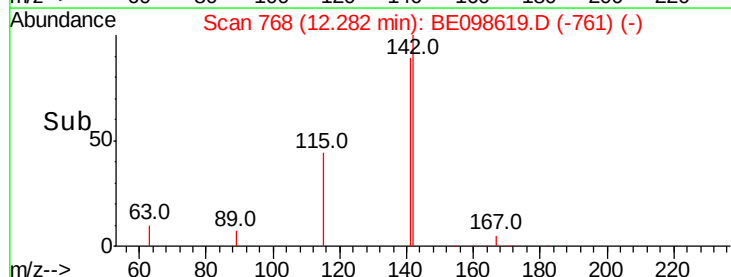
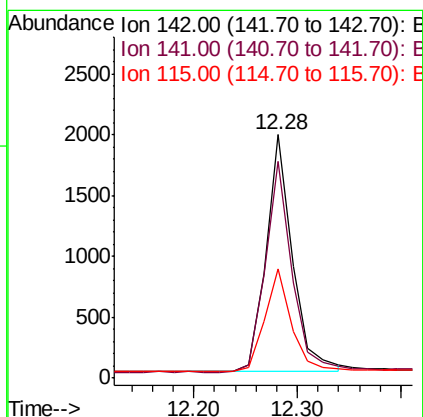
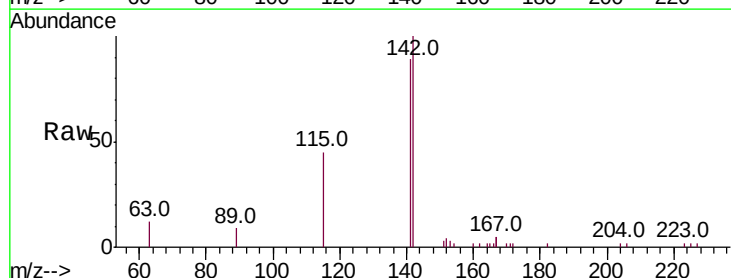
Instrument :
 BNA_E
 ClientSampleId :

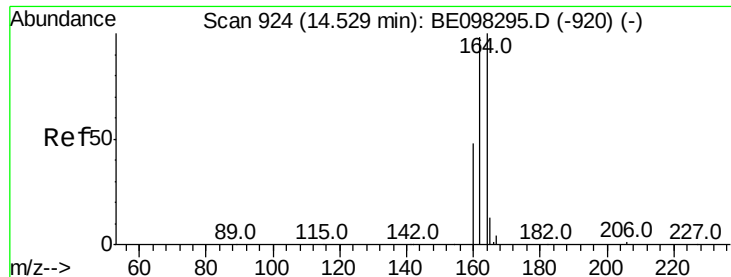
Tot Ion:152 Resp: 3421
 Ion Ratio Lower Upper
 152 100
 151 19.3 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.428 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BE098619.D
 Acq: 4 Jan 2019 17:27

Tgt Ion:142 Resp: 3463
 Ion Ratio Lower Upper
 142 100
 141 89.0 71.0 106.6
 115 45.1 32.2 48.2

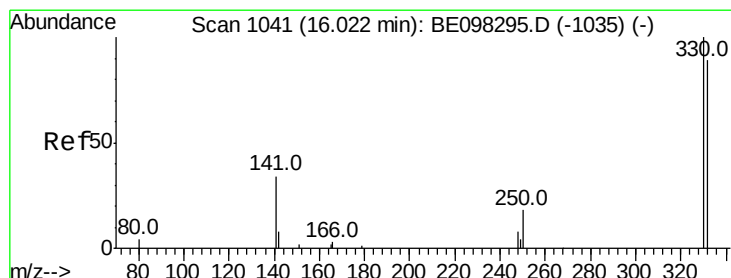
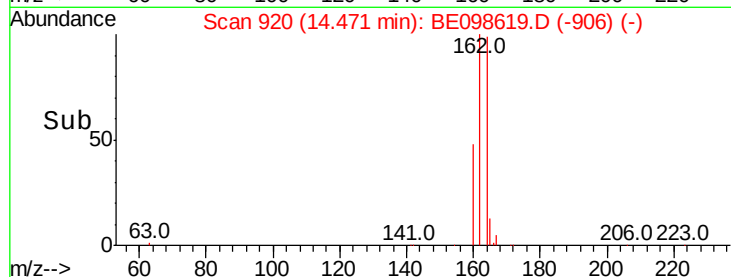
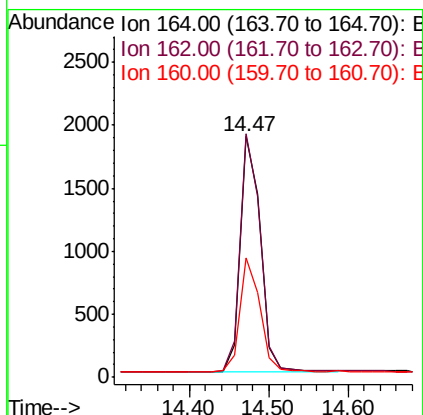
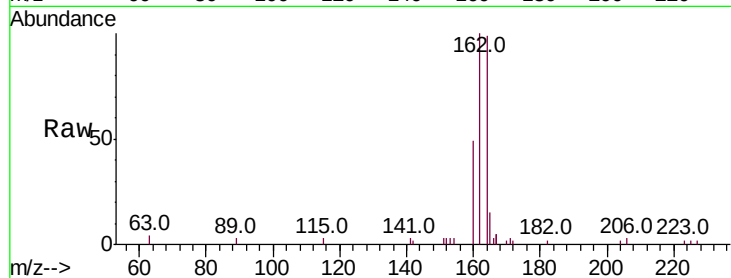




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

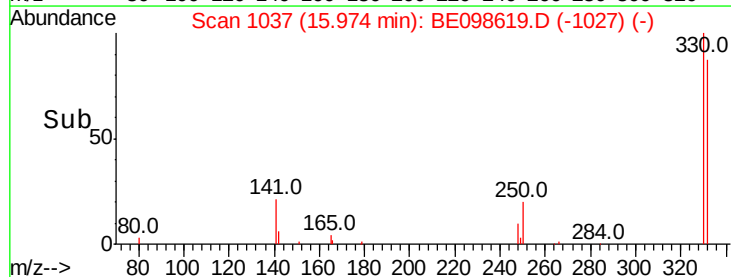
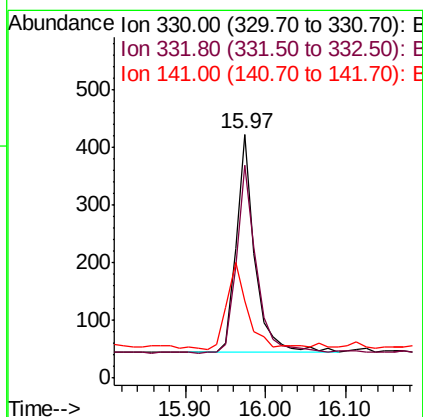
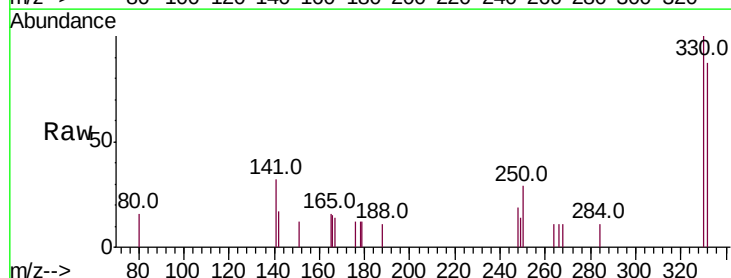
Instrument :
BNA_E
ClientSampleId :

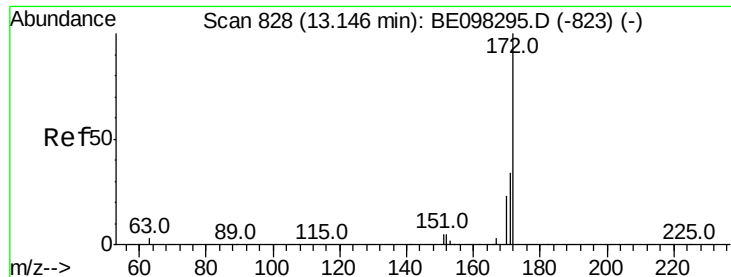
Tot Ion:164 Resp: 3245
Ion Ratio Lower Upper
164 100
162 101.2 77.6 116.4
160 49.6 36.0 54.0



#14
2,4,6-Tribromophenol
Concen: 0.517 ng
RT: 15.97 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:330 Resp: 616
Ion Ratio Lower Upper
330 100
332 94.2 76.2 114.4
141 40.7 39.0 58.4

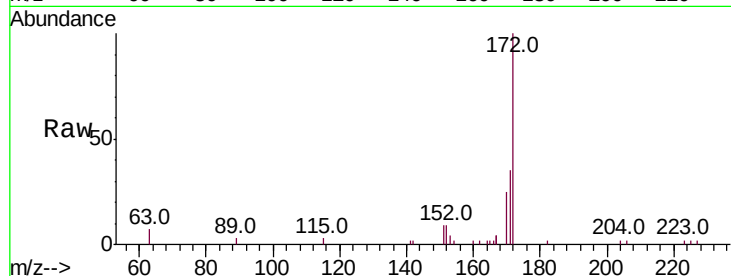




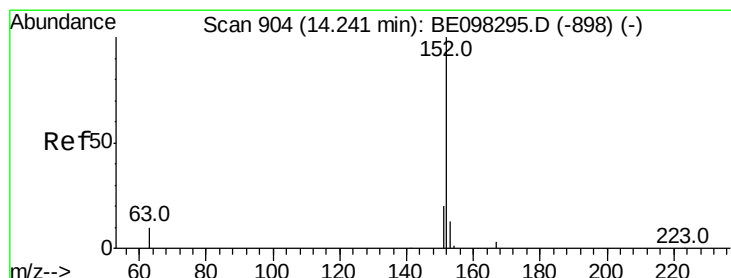
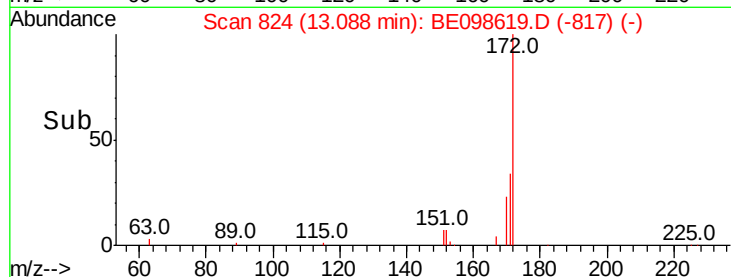
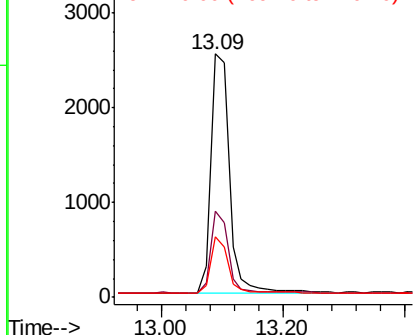
#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 5372
Ion Ratio Lower Upper
172 100
171 35.3 27.5 41.3
170 24.6 19.6 29.4

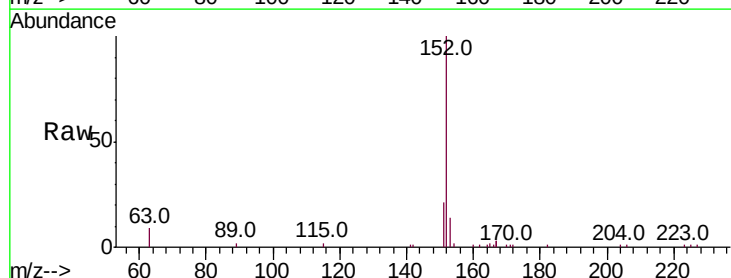


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

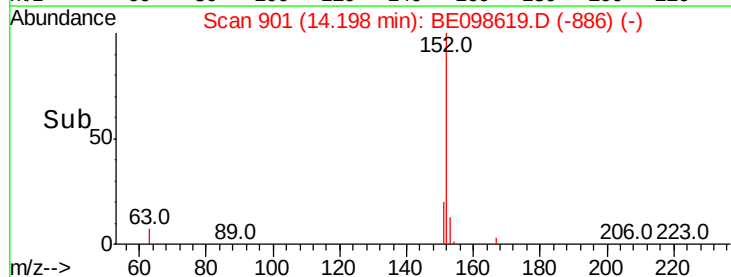
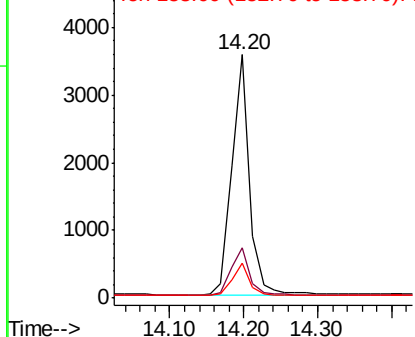


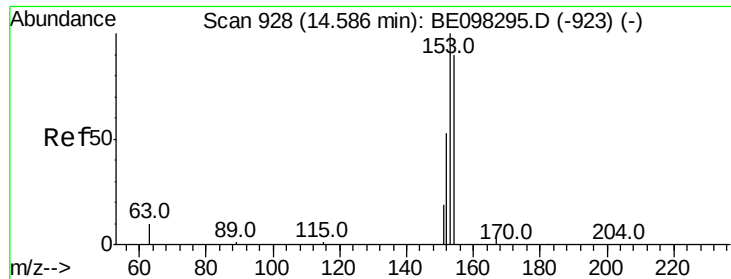
#16
Acenaphthylene
Concen: 0.389 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:152 Resp: 5915
Ion Ratio Lower Upper
152 100
151 20.3 15.5 23.3
153 12.5 10.6 16.0



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

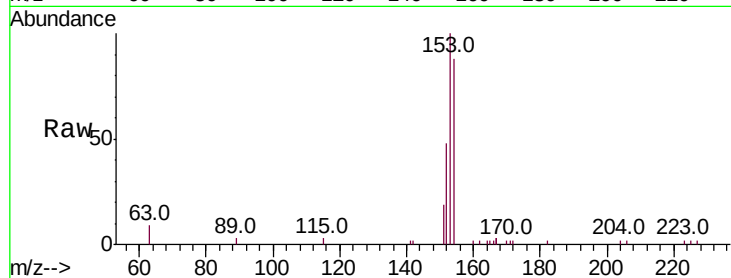




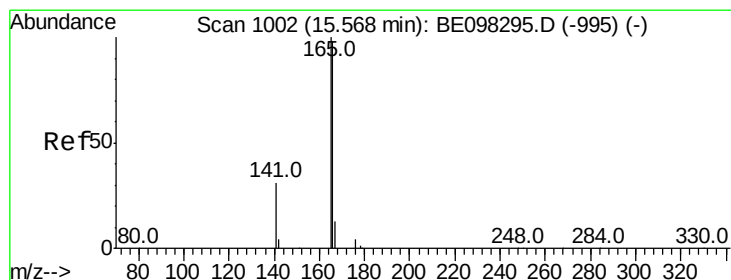
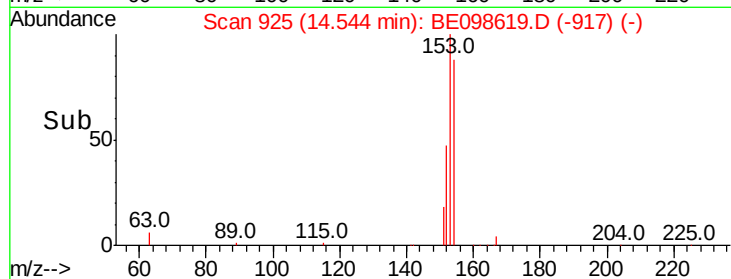
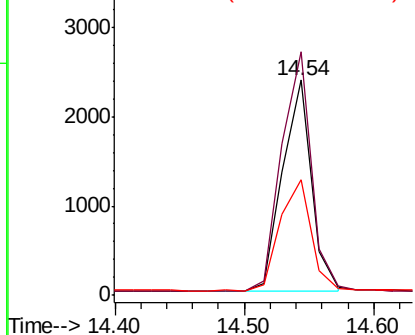
#17
Acenaphthene
Concen: 0.405 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 3700
Ion Ratio Lower Upper
154 100
153 116.0 91.8 137.6
152 56.4 45.5 68.3

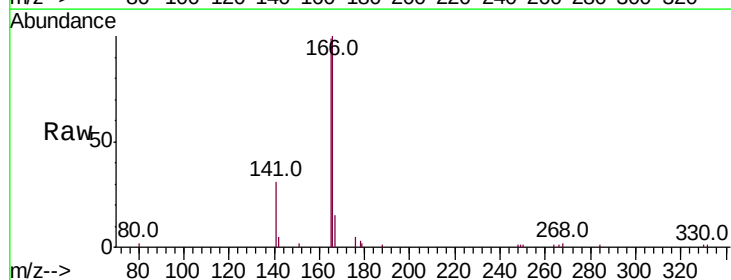


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

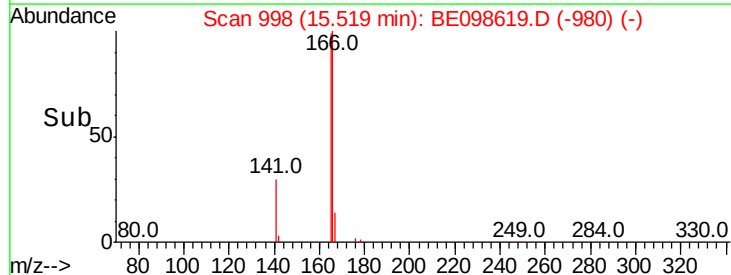
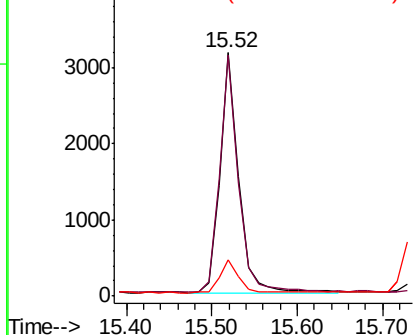


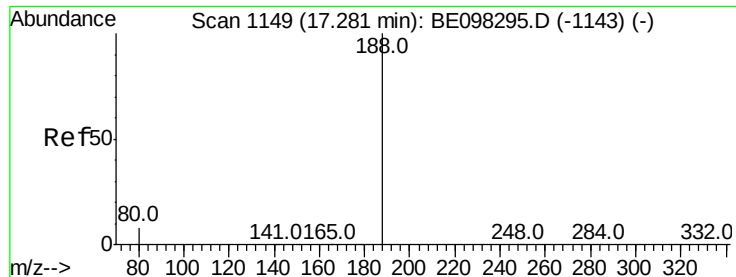
#18
Fluorene
Concen: 0.396 ng
RT: 15.52 min Scan# 998
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:166 Resp: 4837
Ion Ratio Lower Upper
166 100
165 99.8 79.3 118.9
167 13.7 11.3 16.9



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# 1144

Delta R.T. 0.00 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampleId :

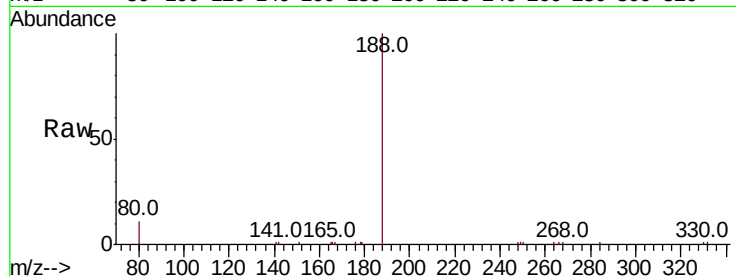
Tot Ion:188 Resp: 7629

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

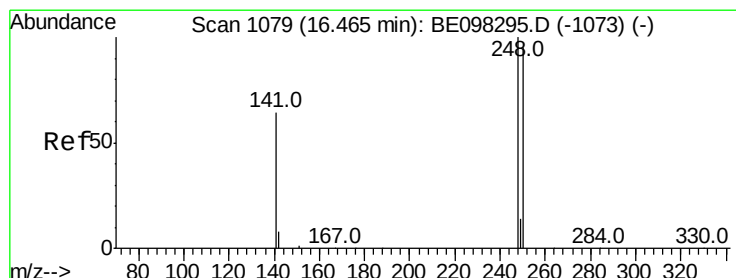
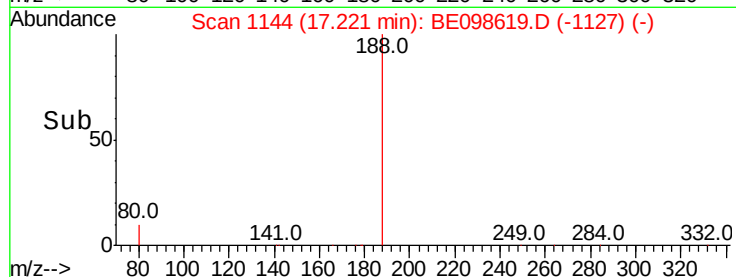
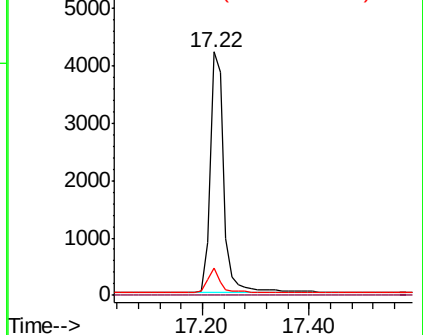
80 11.4 7.2 10.8#



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: 0.424 ng

RT: 16.42 min Scan# 1075

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

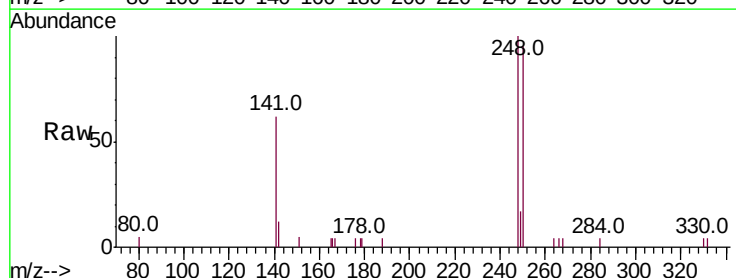
Tgt Ion:248 Resp: 1741

Ion Ratio Lower Upper

248 100

250 94.5 71.0 106.6

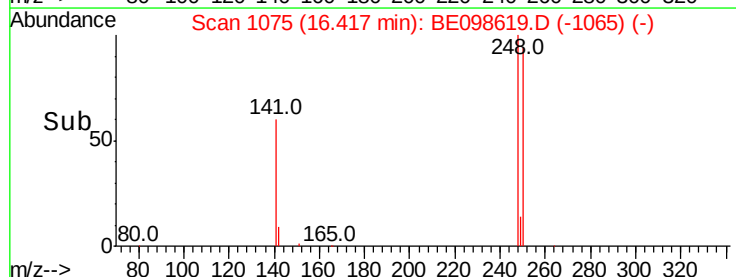
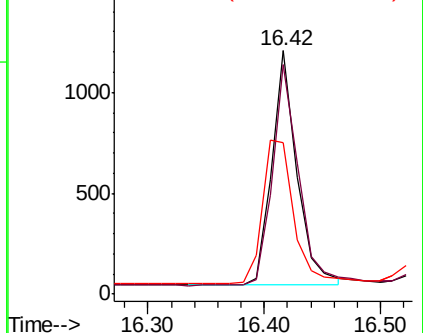
141 62.1 62.1 93.1#

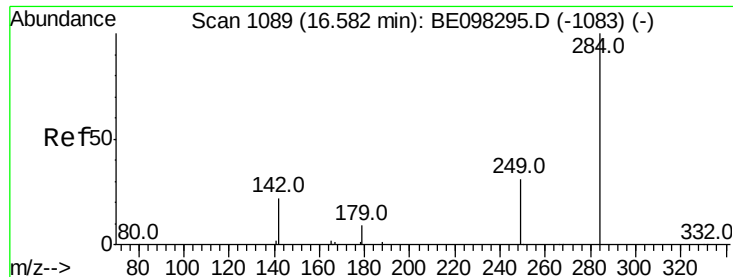


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.444 ng

RT: 16.53 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampleId :

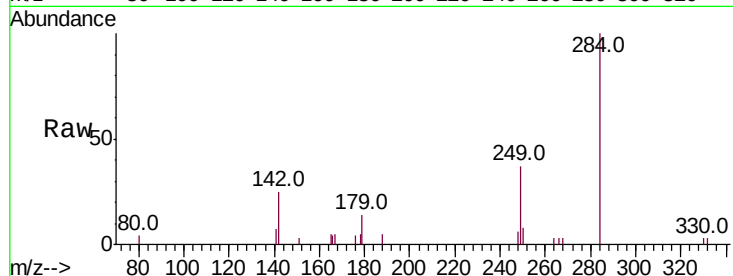
Tot Ion:284 Resp: 1962

Ion Ratio Lower Upper

284 100

142 34.9 26.3 39.5

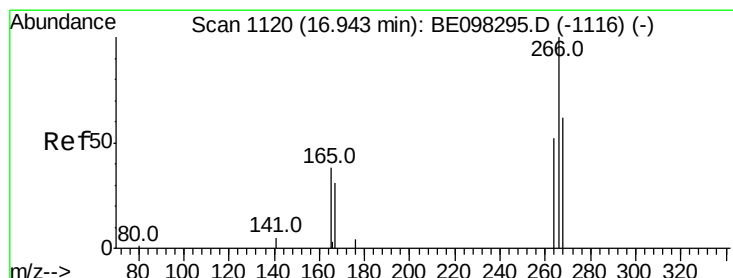
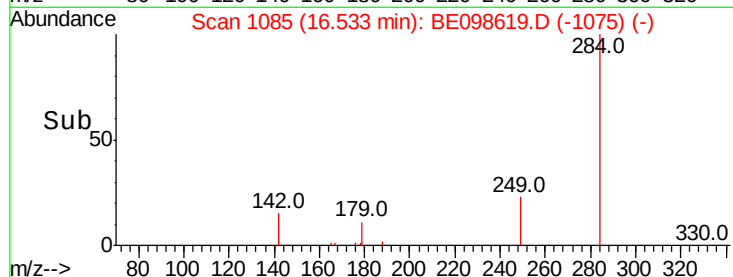
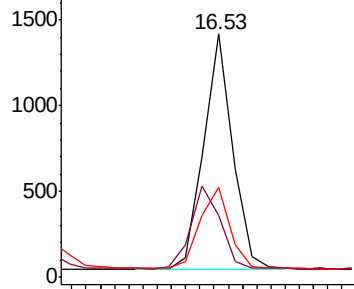
249 34.5 26.0 39.0



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: 0.815 ng

RT: 16.89 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

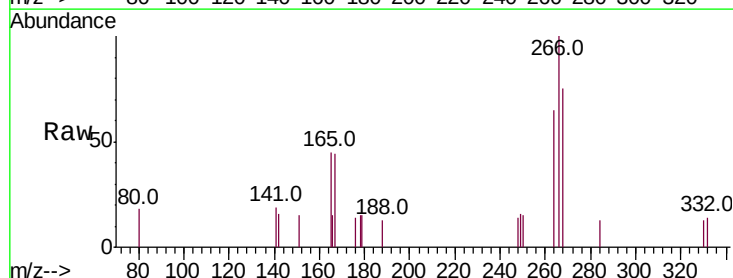
Tgt Ion:266 Resp: 662

Ion Ratio Lower Upper

266 100

264 65.3 59.0 88.4

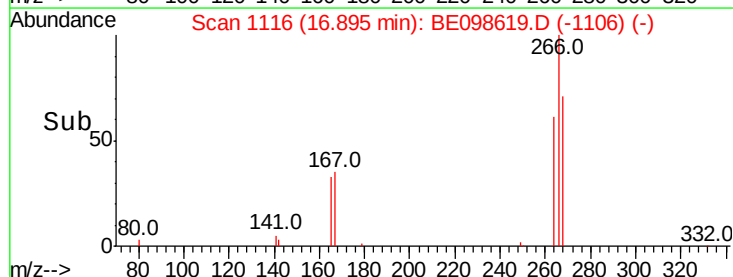
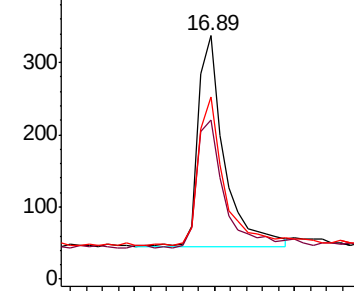
268 74.8 55.1 82.7

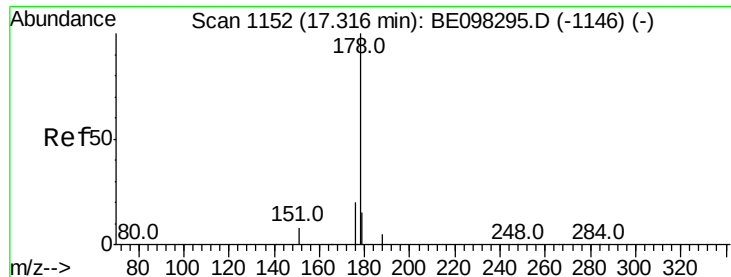


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.408 ng

RT: 17.27 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampled :

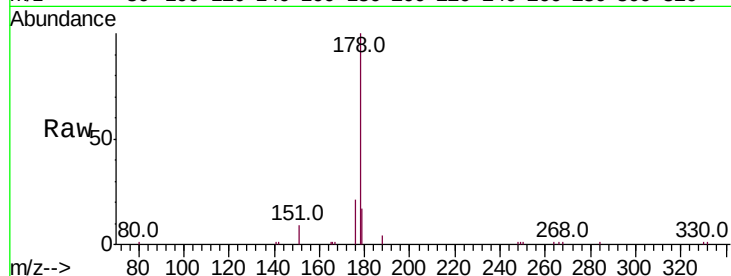
Tot Ion:178 Resp: 7557

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

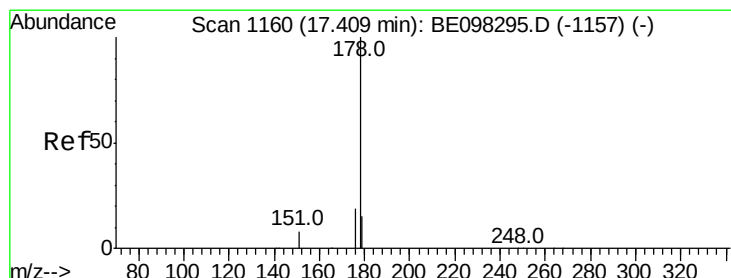
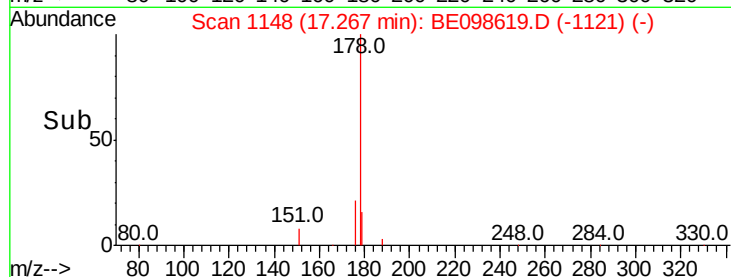
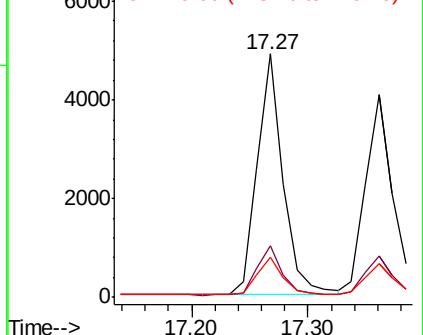
179 15.5 12.3 18.5



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: 0.393 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

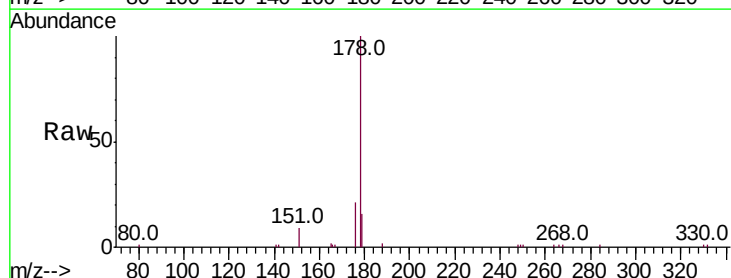
Tgt Ion:178 Resp: 6491

Ion Ratio Lower Upper

178 100

176 19.8 15.0 22.4

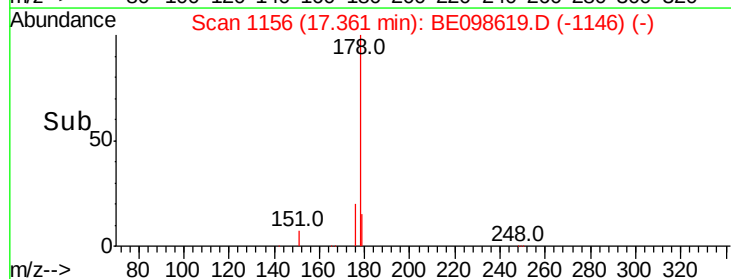
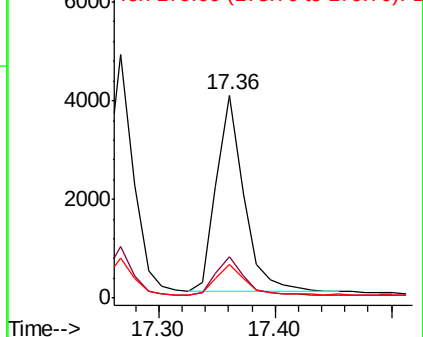
179 15.5 12.3 18.5

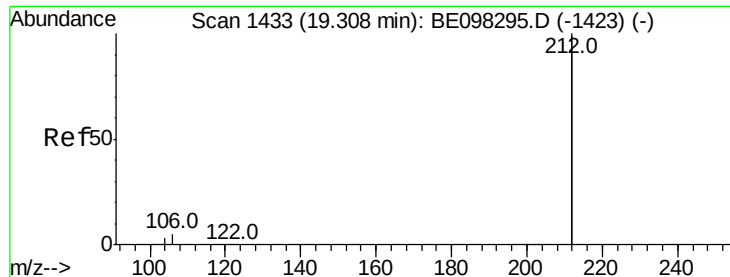


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.402 ng

RT: 19.26 min Scan# 1424

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampleId :

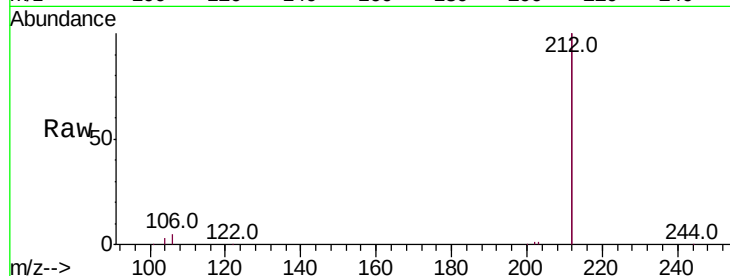
Tot Ion:212 Resp: 39339

Ion Ratio Lower Upper

212 100

106 2.2 2.2 3.2

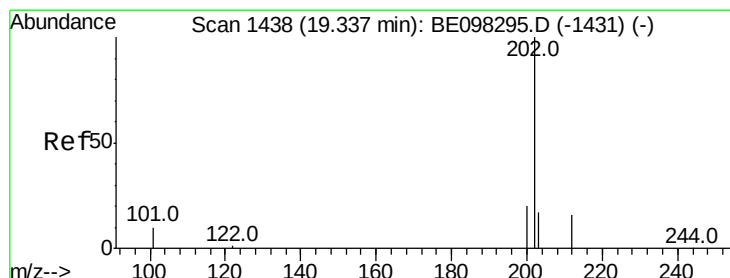
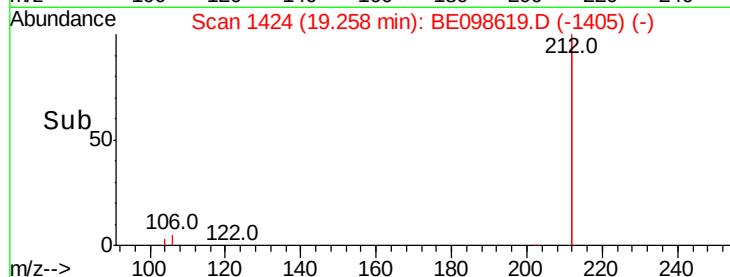
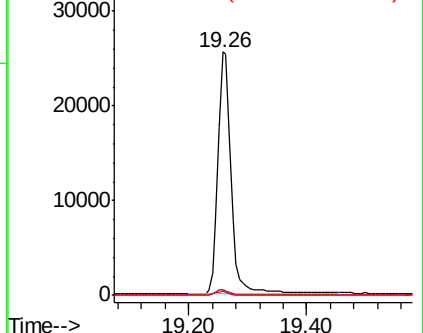
104 1.3 1.3 1.9



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: 0.400 ng

RT: 19.29 min Scan# 1430

Delta R.T. 0.02 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

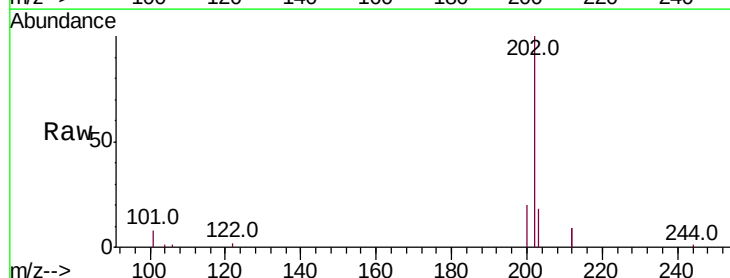
Tgt Ion:202 Resp: 9811

Ion Ratio Lower Upper

202 100

101 8.3 8.0 12.0

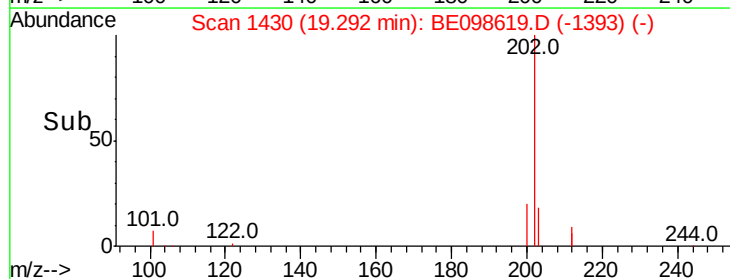
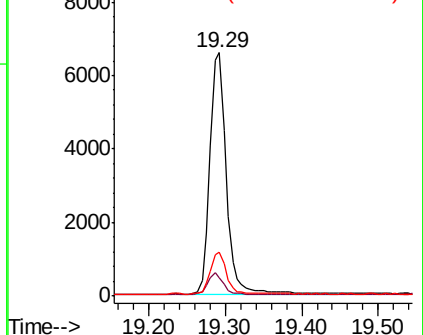
203 16.8 13.8 20.6

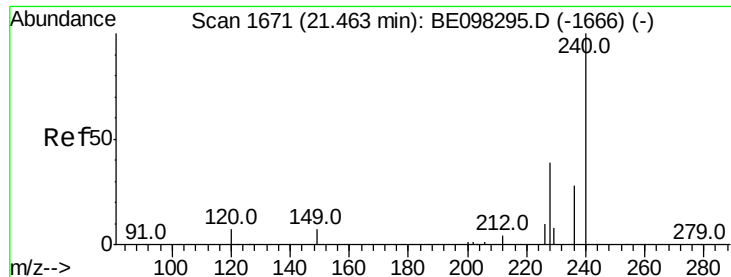


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.41 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampleId :

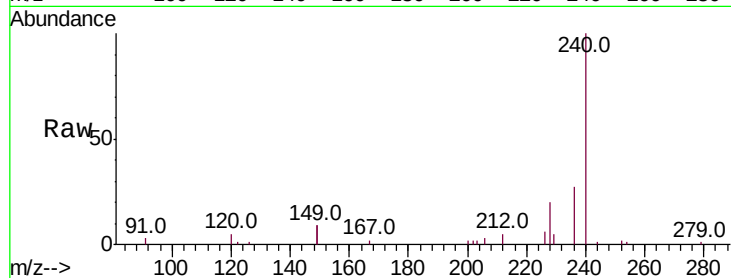
Tot Ion:240 Resp: 8753

Ion Ratio Lower Upper

240 100

120 5.2 9.5 14.3#

236 27.3 22.7 34.1

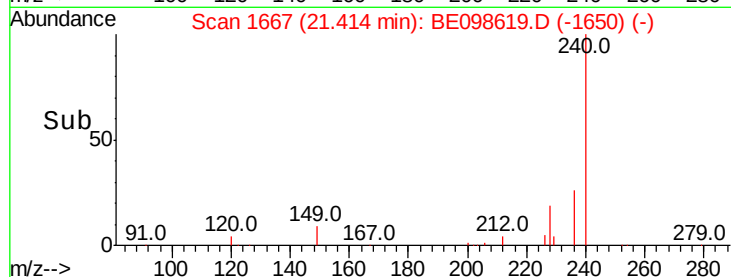


Abundance Ion 240.00 (239.70 to 240.70): E

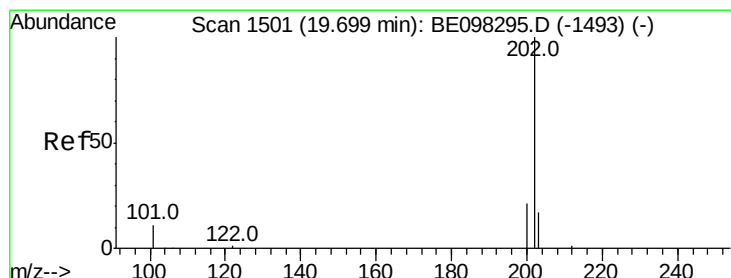
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.41



Time-->



#28

Pyrene

Concen: 0.372 ng

RT: 19.65 min Scan# 1493

Delta R.T. 0.02 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

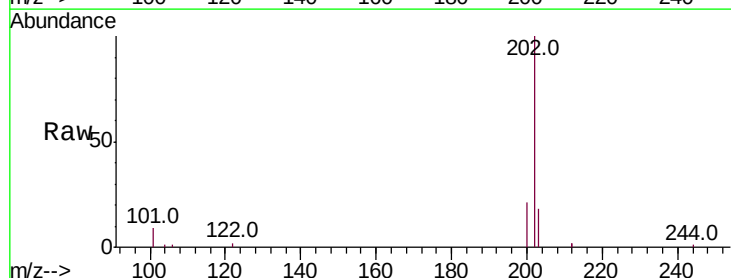
Tgt Ion:202 Resp: 10208

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.4 14.1 21.1

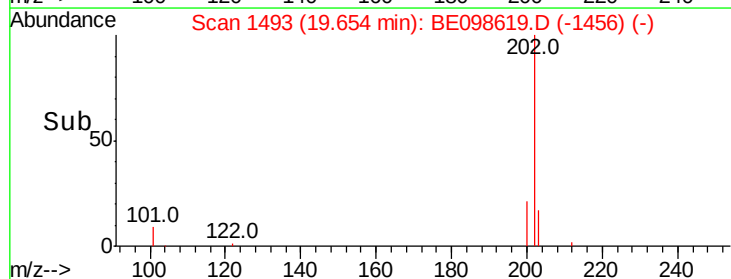


Abundance Ion 202.00 (201.70 to 202.70): E

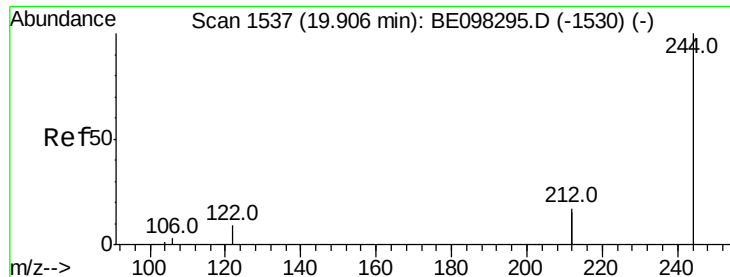
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

19.65



Time-->



#29

Terphenyl-d14

Concen: 0.382 ng

RT: 19.86 min Scan# 1528

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampleId :

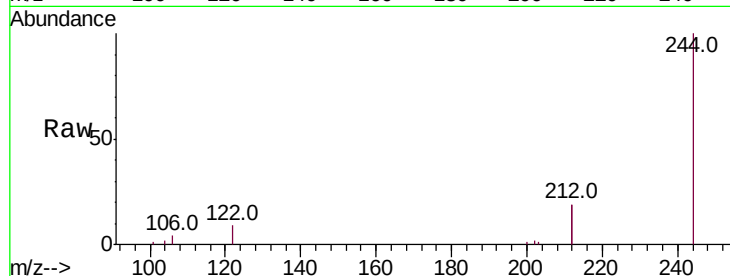
Tot Ion:244 Resp: 8122

Ion Ratio Lower Upper

244 100

212 37.0 27.4 41.0

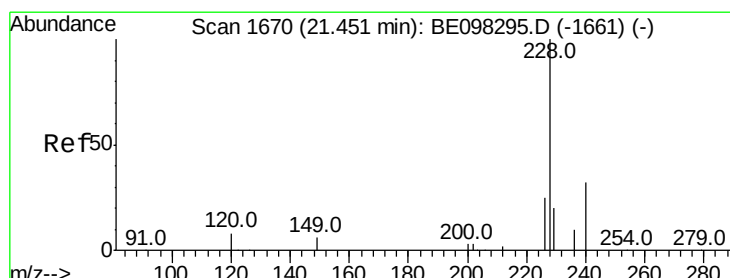
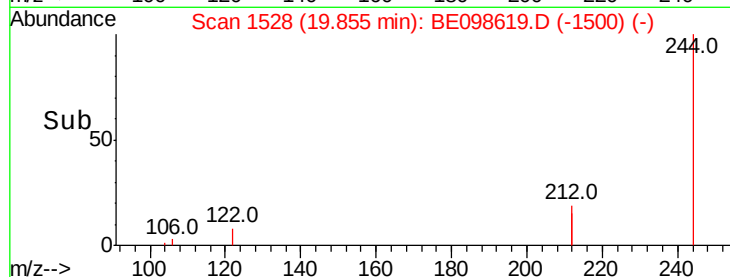
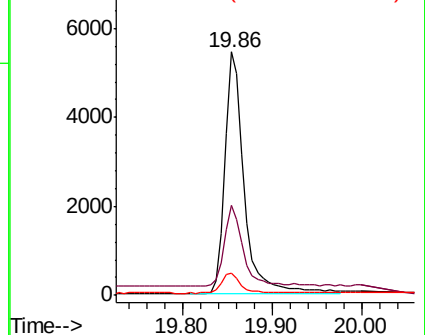
122 9.1 8.3 12.5



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: 0.416 ng

RT: 21.39 min Scan# 1665

Delta R.T. -0.00 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

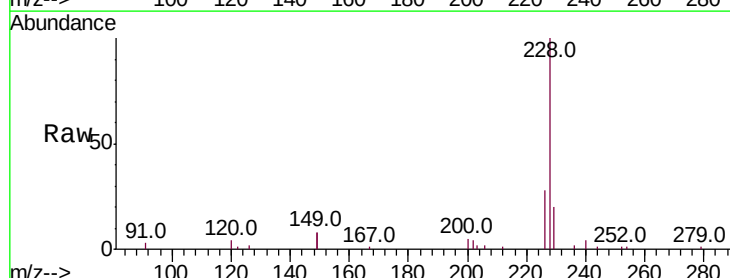
Tgt Ion:228 Resp: 10371

Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

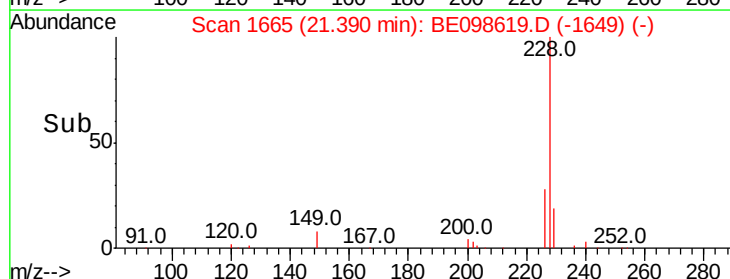
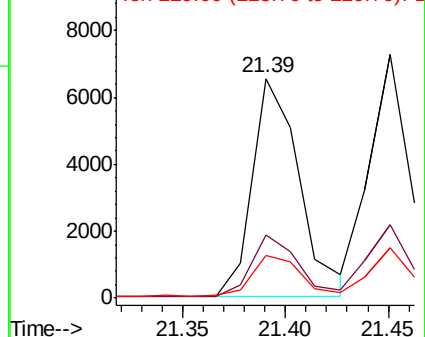
229 19.5 16.3 24.5

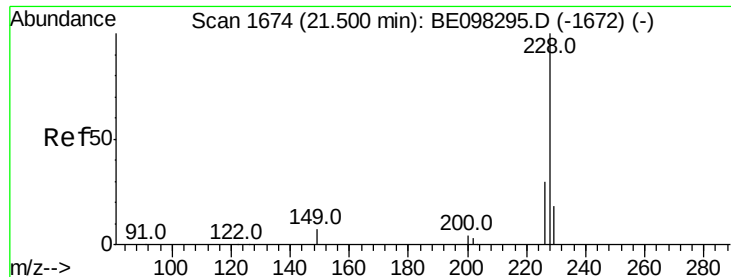


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.389 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

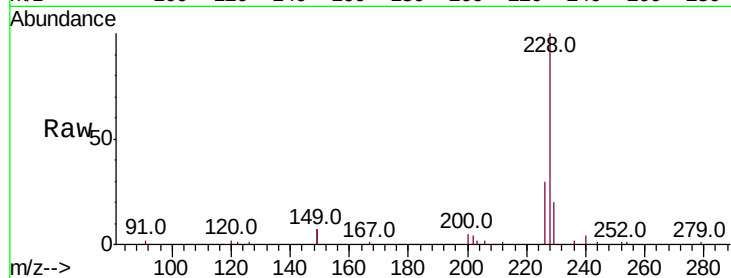
Instrument :

BNA_E

ClientSampled :

Tot Ion:228 Resp: 10148

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.0
229	20.5	16.2	24.4

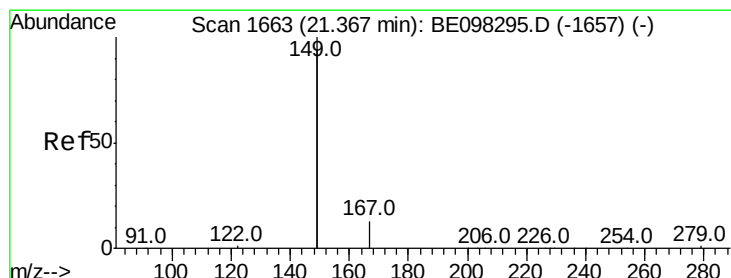
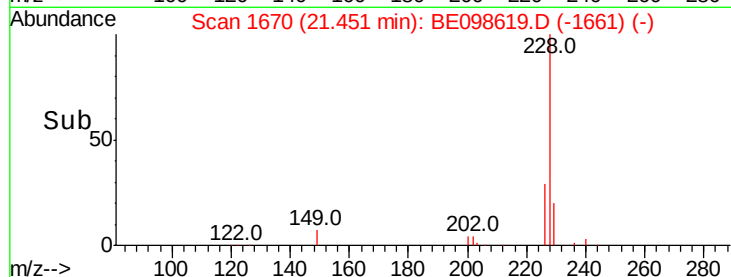
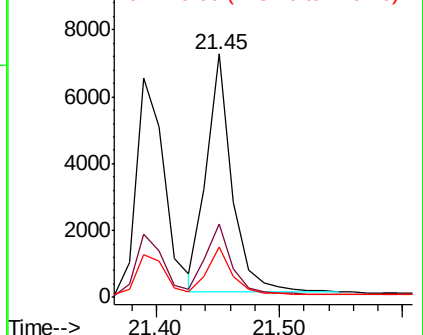


Abundance

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: 0.490 ng

RT: 21.32 min Scan# 1659

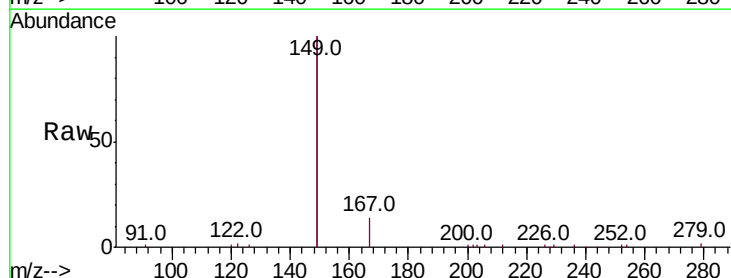
Delta R.T. 0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Tgt Ion:149 Resp: 24793

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.7	8.5
279	1.2	1.0	1.4

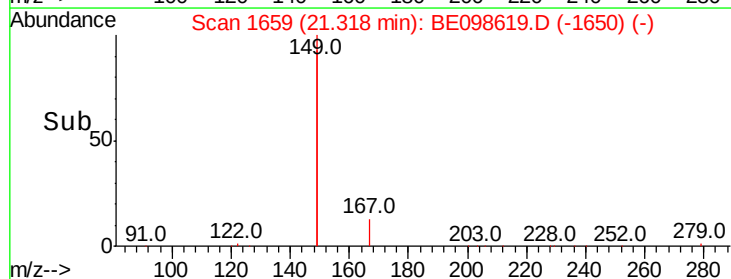
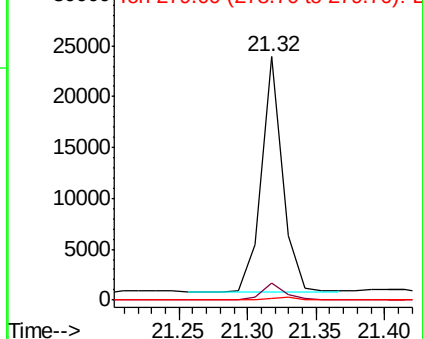


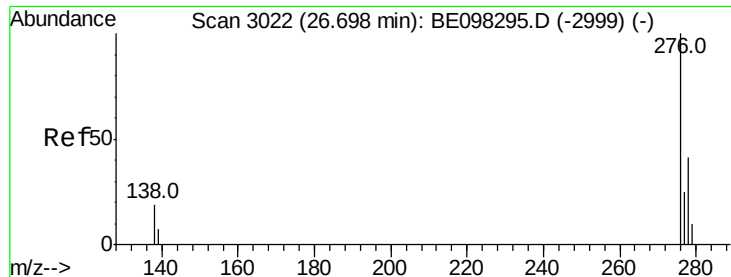
Abundance

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: 0.431 ng

RT: 26.58 min Scan# 2988

Delta R.T. -0.06 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampleId :

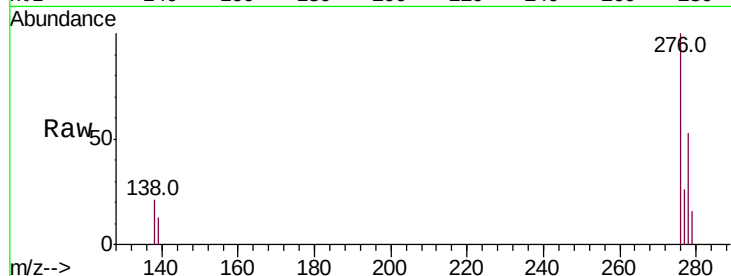
Tot Ion:276 Resp: 11203

Ion Ratio Lower Upper

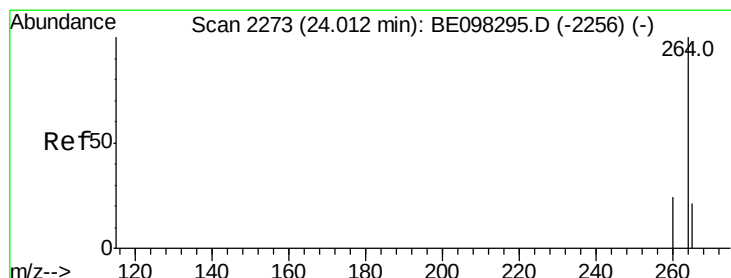
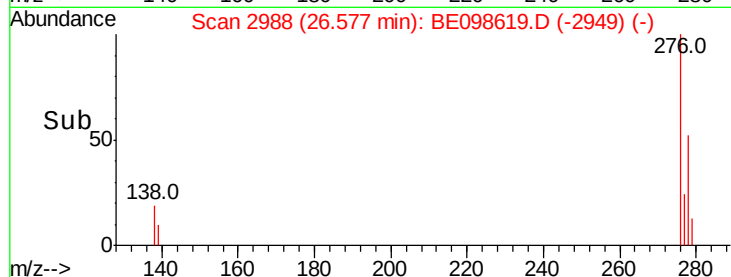
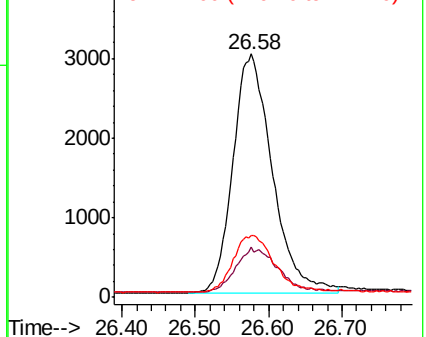
276 100

138 19.0 16.3 24.5

277 24.9 20.2 30.4



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: 23.92 min Scan# 2248

Delta R.T. -0.03 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

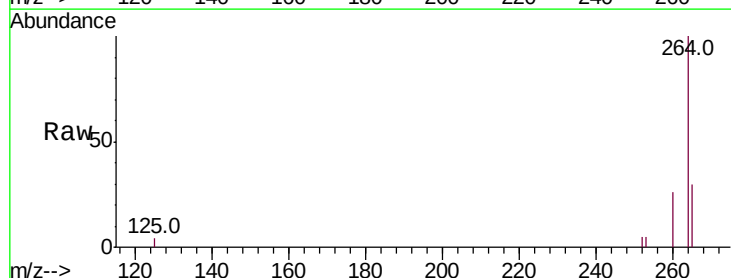
Tgt Ion:264 Resp: 8604

Ion Ratio Lower Upper

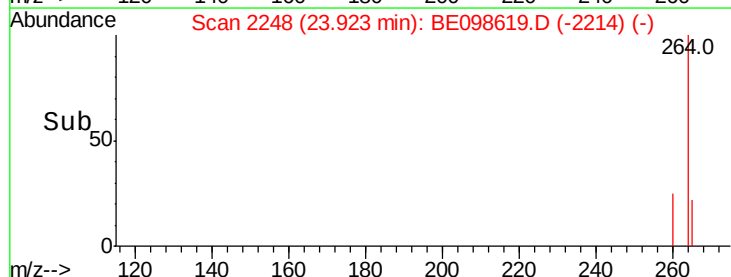
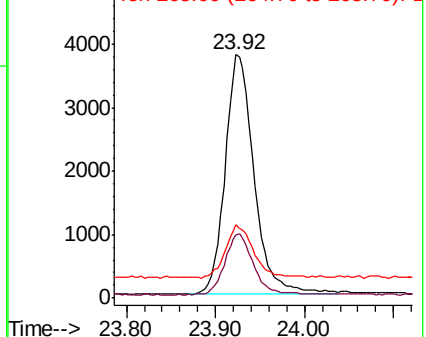
264 100

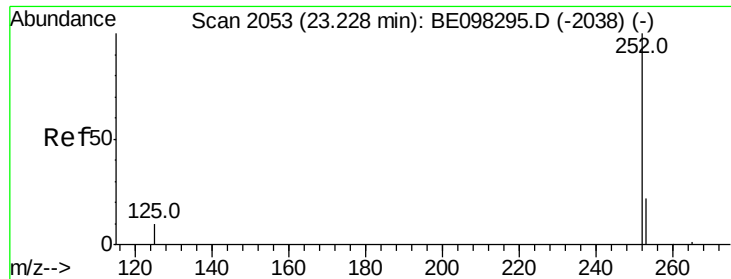
260 26.0 20.2 30.2

265 29.9 25.2 37.8



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





#35

Benzo(b)fluoranthene

Concen: 0.418 ng

RT: 23.15 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampleId :

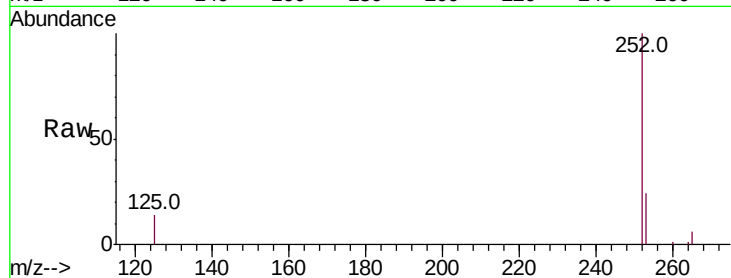
Tot Ion:252 Resp: 9832

Ion Ratio Lower Upper

252 100

253 24.0 20.0 30.0

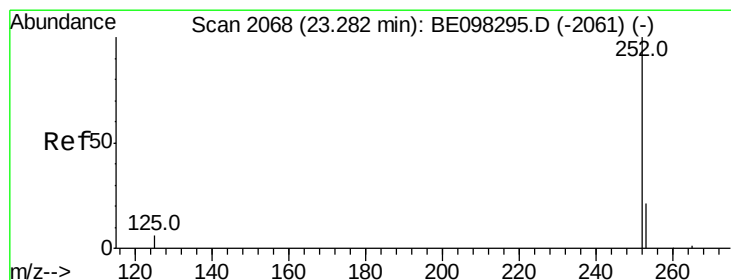
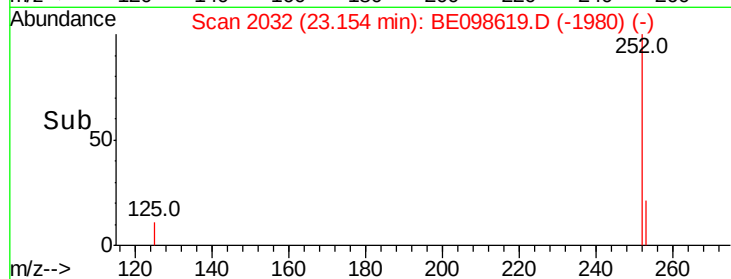
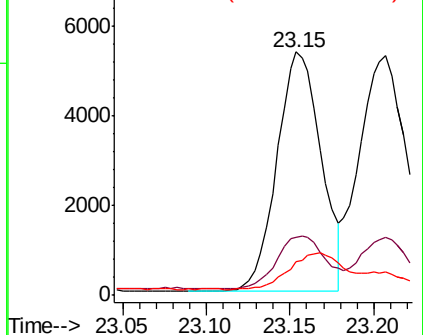
125 13.8 9.6 14.4



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: 0.400 ng

RT: 23.21 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

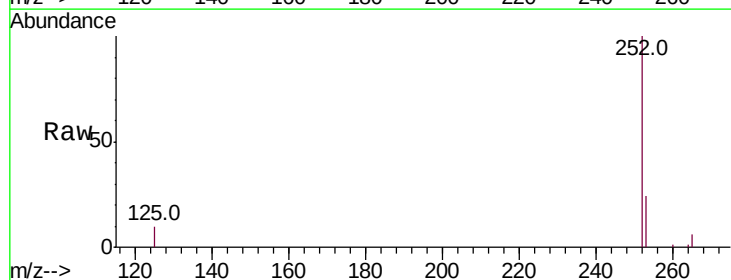
Tgt Ion:252 Resp: 10956

Ion Ratio Lower Upper

252 100

253 24.2 19.0 28.6

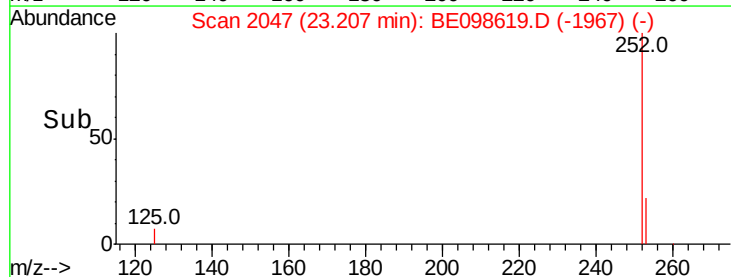
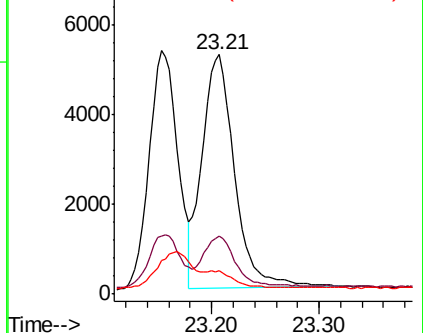
125 9.9 9.1 13.7

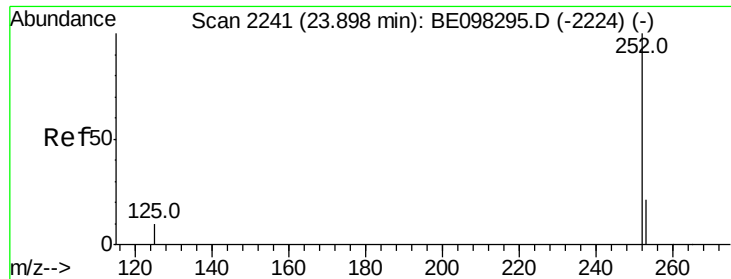


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

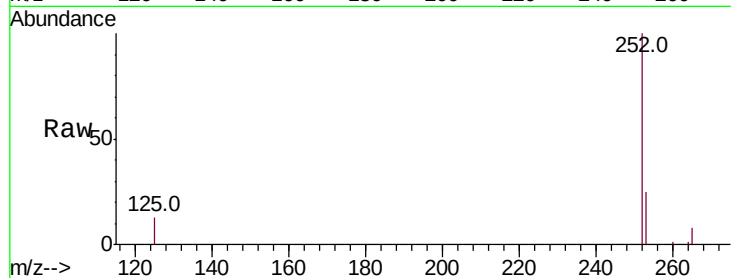




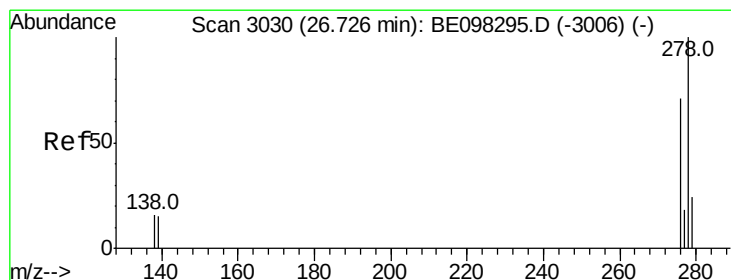
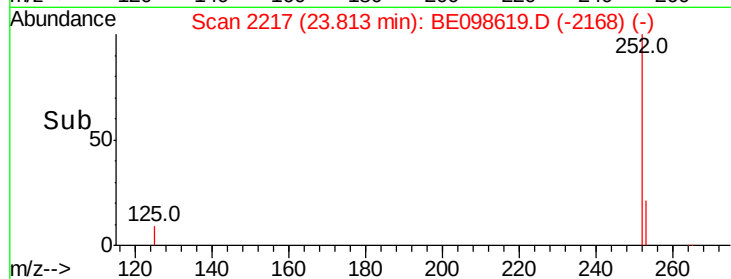
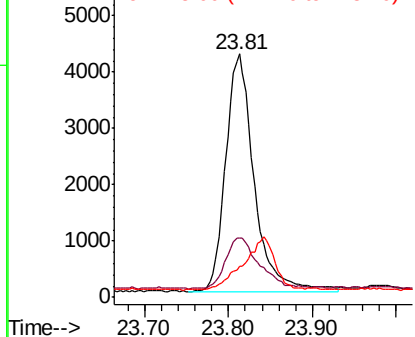
#37
Benzo(a)pyrene
Concen: 0.411 ng
RT: 23.81 min Scan# 2217
Delta R.T. -0.03 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 9982
Ion Ratio Lower Upper
252 100
253 24.5 20.6 30.8
125 12.7 10.5 15.7

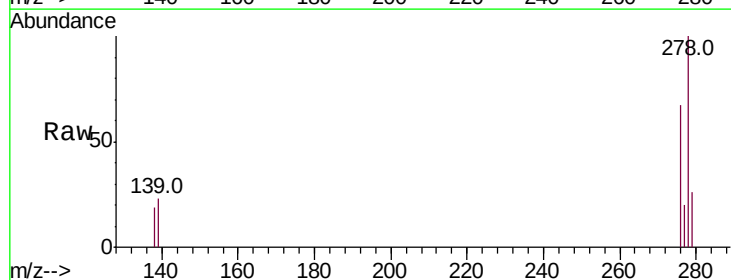


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

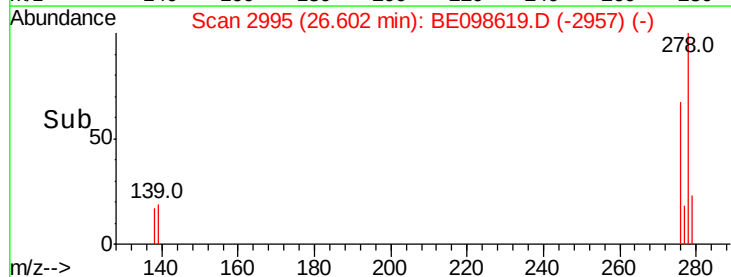
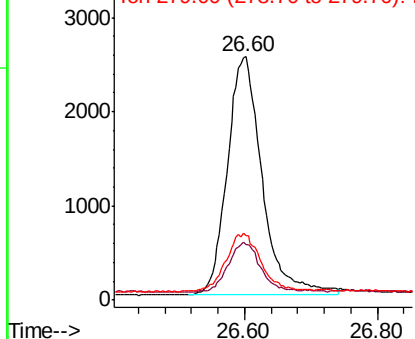


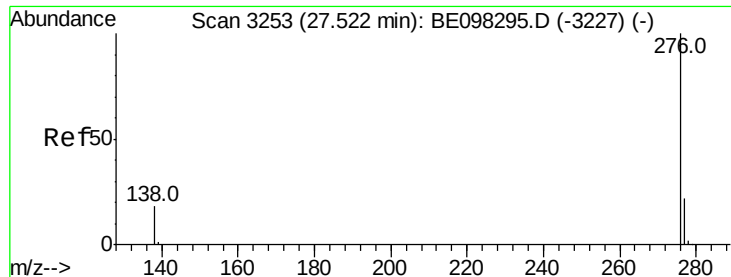
#38
Dibenzo(a,h)anthracene
Concen: 0.404 ng
RT: 26.60 min Scan# 2995
Delta R.T. -0.06 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:278 Resp: 9232
Ion Ratio Lower Upper
278 100
139 22.5 14.5 21.7#
279 26.3 21.8 32.8



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: 0.410 ng

RT: 27.39 min Scan# 3215

Delta R.T. -0.08 min

Lab File: BE098619.D

Acq: 4 Jan 2019 17:27

Instrument :

BNA_E

ClientSampleId :

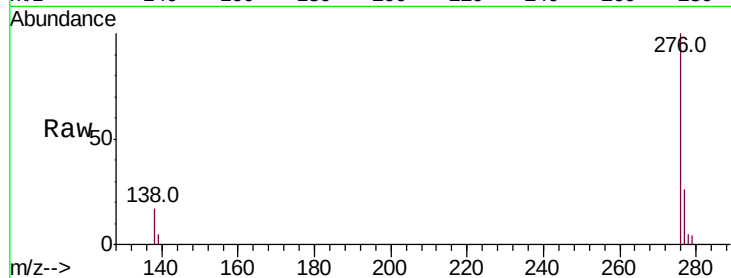
Tot Ion:276 Resp: 9457

Ion Ratio Lower Upper

276 100

277 25.8 20.8 31.2

138 17.2 15.8 23.6



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

