

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061019\
 Data File : BE099892.D
 Acq On : 10 Jun 2019 16:16
 Operator : JU/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE061019

Quant Time: Jun 10 18:09:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 14:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	772	0.40	ng	0.02
7) Naphthalene-d8	10.61	136	2807	0.40	ng	0.01
13) Acenaphthene-d10	14.49	164	2136	0.40	ng	0.01
19) Phenanthrene-d10	17.23	188	7024	0.40	ng	0.01
27) Chrysene-d12	21.40	240	9287	0.40	ng	0.00
34) Perylene-d12	23.94	264	10616	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	776	0.37	ng	0.02
5) Phenol-d6	6.99	99	1013	0.38	ng	0.02
8) Nitrobenzene-d5	8.98	82	988	0.37	ng	0.01
11) 2-Methylnaphthalene-d10	12.22	152	1944	0.40	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	536	0.34	ng	0.01
15) 2-Fluorobiphenyl	13.12	172	3143	0.39	ng	0.01
25) Fluoranthene-d10	19.26	212	37726	0.37	ng	0.00
29) Terphenyl-d14	19.86	244	7168	0.43	ng	0.00

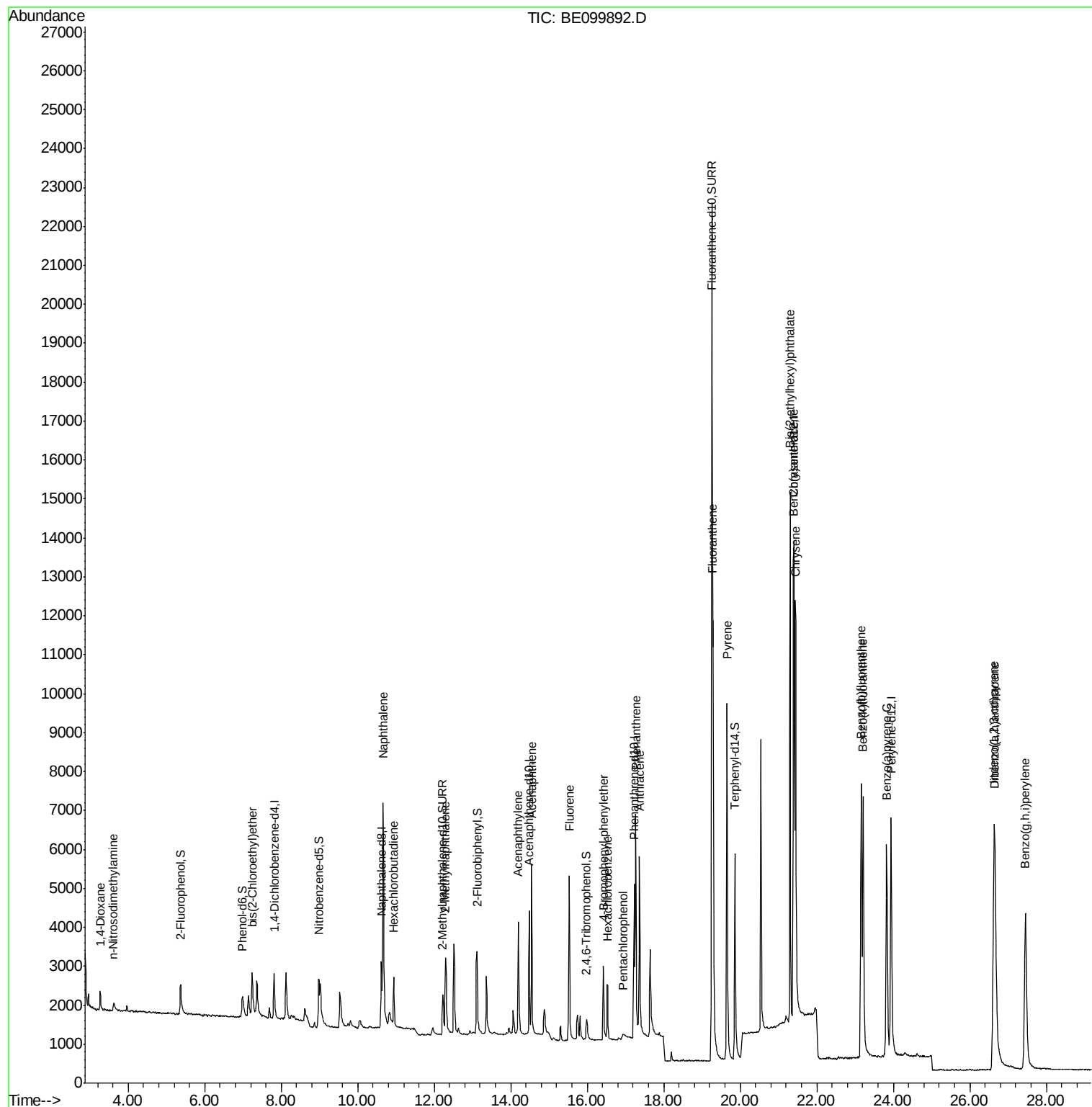
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	473	0.414	ng	# 86
3) n-Nitrosodimethylamine	3.61	42	244	0.370	ng	# 100
6) bis(2-Chloroethyl)ether	7.24	93	934	0.426	ng	77
9) Naphthalene	10.67	128	12122	0.400	ng	100
10) Hexachlorobutadiene	10.94	225	943	0.408	ng	97
12) 2-Methylnaphthalene	12.30	142	1951	0.396	ng	97
16) Acenaphthylene	14.20	152	4137	0.389	ng	99
17) Acenaphthene	14.54	154	2239	0.387	ng	99
18) Fluorene	15.53	166	3378	0.389	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	1572	0.395	ng	96
21) Hexachlorobenzene	16.53	284	1609	0.396	ng	99
22) Pentachlorophenol	16.93	266	276	0.441	ng	99
23) Phenanthrene	17.27	178	6605	0.388	ng	100
24) Anthracene	17.36	178	5807	0.372	ng	98
26) Fluoranthene	19.29	202	10690	0.369	ng	99
28) Pyrene	19.65	202	11002	0.451	ng	100
30) Benzo(a)anthracene	21.39	228	11166	0.402	ng	98
31) Chrysene	21.45	228	12792	0.446	ng	98
32) Bis(2-ethylhexyl)phthalate	21.31	149	16188	0.406	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	14151	0.416	ng	98
35) Benzo(b)fluoranthene	23.16	252	11351	0.382	ng	100
36) Benzo(k)fluoranthene	23.21	252	12169	0.391	ng	99
37) Benzo(a)pyrene	23.83	252	11434	0.390	ng	99
38) Dibenzo(a,h)anthracene	26.66	278	11226	0.380	ng	97
39) Benzo(g,h,i)perylene	27.46	276	12122	0.398	ng	100

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

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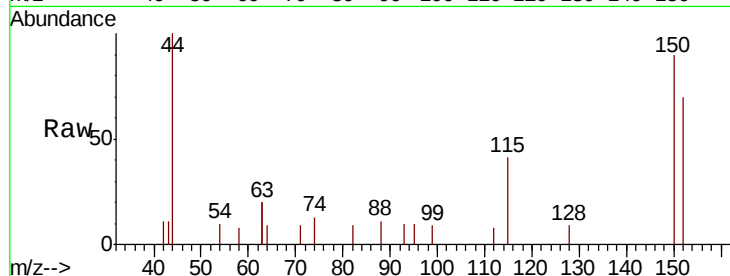


#1

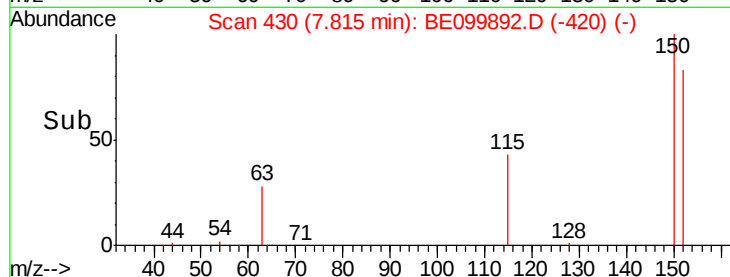
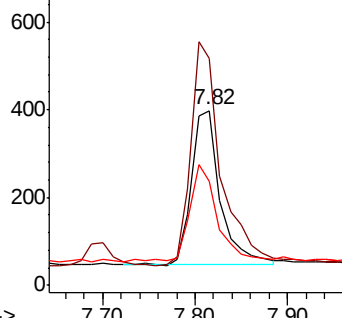
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.82 min Scan# 430
 Delta R.T. 0.02 min
 Lab File: BE099892.D
 Acq: 10 Jun 2019 16:16

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE061019

Tot Ion:152 Resp: 772
 Ion Ratio Lower Upper
 152 100
 150 129.6 111.0 166.6
 115 59.3 50.7 76.1



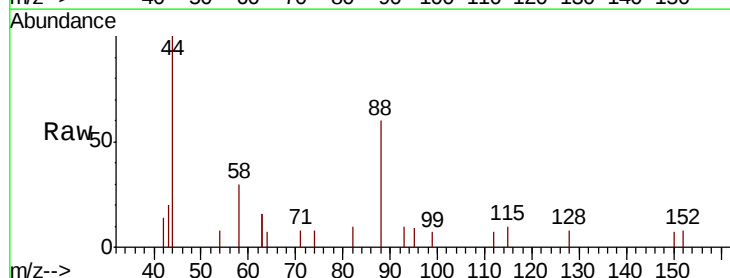
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



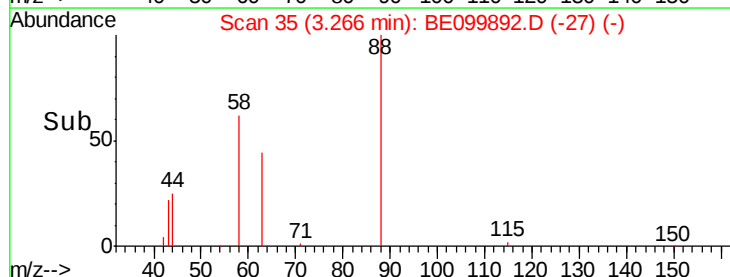
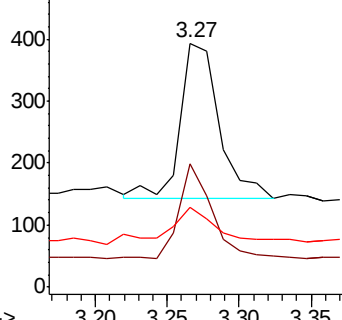
#2

1,4-Dioxane
 Concen: 0.414 ng
 RT: 3.27 min Scan# 35
 Delta R.T. -0.00 min
 Lab File: BE099892.D
 Acq: 10 Jun 2019 16:16

Tgt Ion: 88 Resp: 473
 Ion Ratio Lower Upper
 88 100
 58 49.9 48.8 73.2
 43 30.2 19.0 28.6#



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



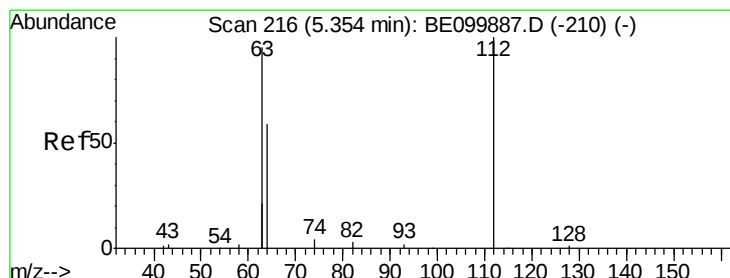
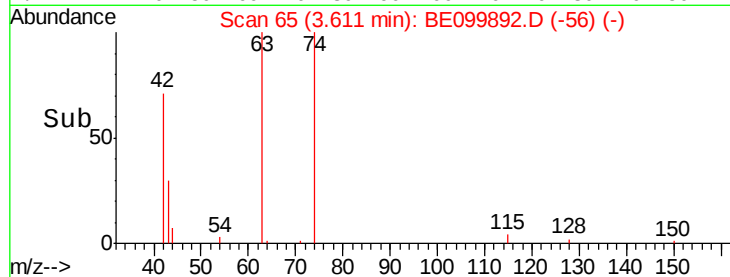
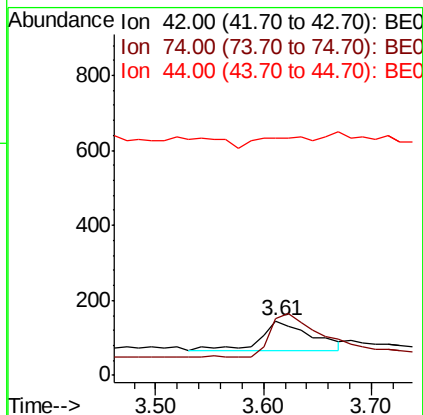
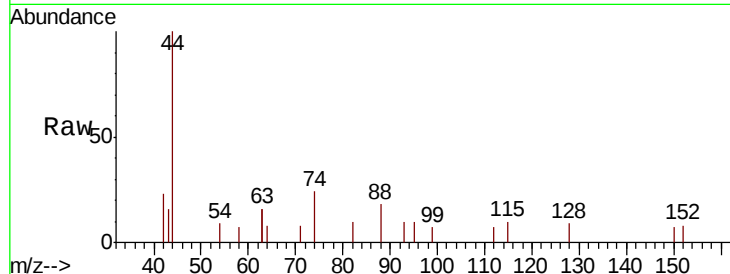


#3

n-Nitrosodimethylamine
 Concen: 0.370 ng
 RT: 3.61 min Scan# 65
 Delta R.T. 0.01 min
 Lab File: BE099892.D
 Acq: 10 Jun 2019 16:16

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE061019

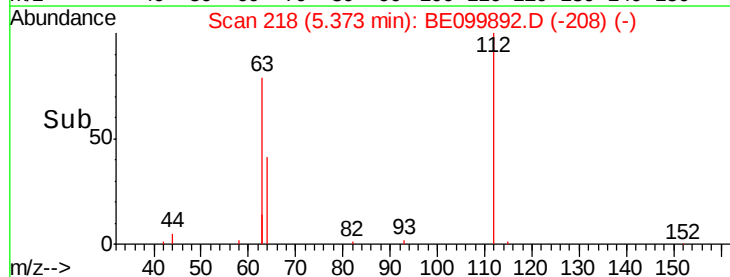
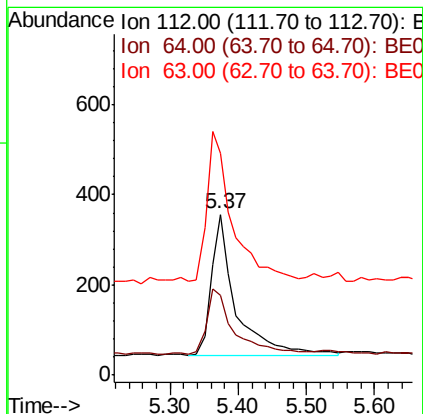
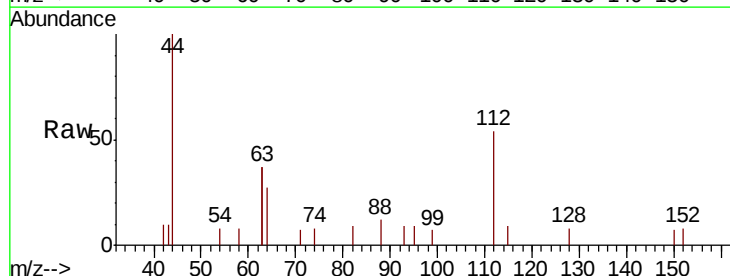
Tot Ion: 42 Resp: 244
 Ion Ratio Lower Upper
 42 100
 74 0.0 0.0 0.0
 44 0.0 0.0 0.0



#4

2-Fluorophenol
 Concen: 0.372 ng
 RT: 5.37 min Scan# 218
 Delta R.T. 0.02 min
 Lab File: BE099892.D
 Acq: 10 Jun 2019 16:16

Tgt Ion: 112 Resp: 776
 Ion Ratio Lower Upper
 112 100
 64 51.4 44.1 66.1
 63 110.1 87.8 131.6





#5

Phenol-d6

Concen: 0.377 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.02 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

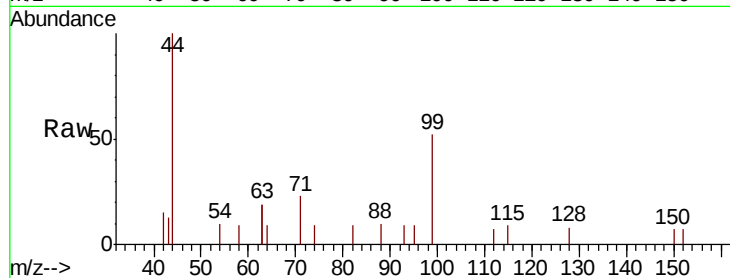
Tot Ion: 99 Resp: 1013

Ion Ratio Lower Upper

99 100

42 14.9 15.9 23.9#

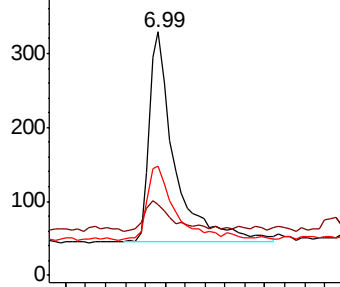
71 38.0 34.6 52.0



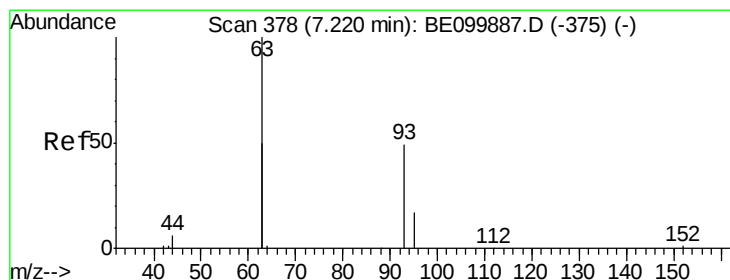
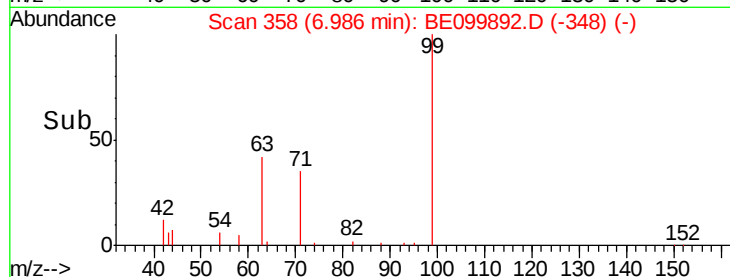
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 6.80 7.00 7.20



#6

bis(2-Chloroethyl)ether

Concen: 0.426 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.02 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

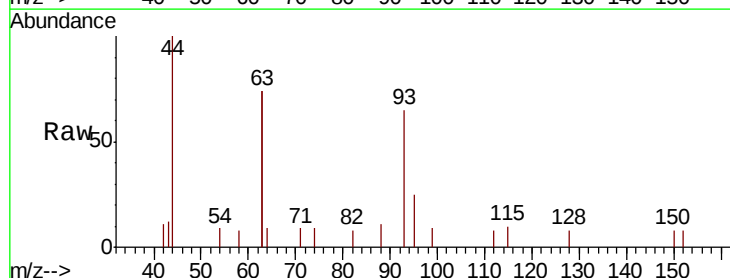
Tgt Ion: 93 Resp: 934

Ion Ratio Lower Upper

93 100

63 207.7 202.8 304.2

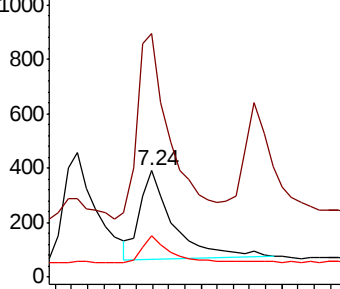
95 28.9 23.7 35.5



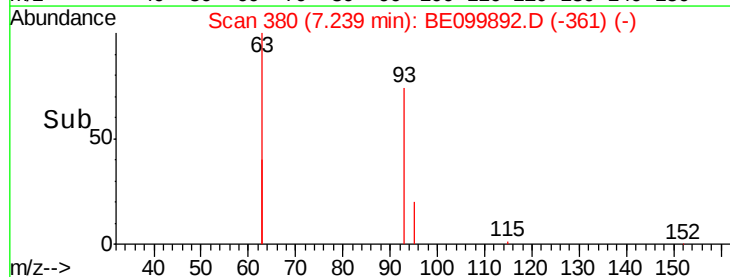
Abundance Ion 93.00 (92.70 to 93.70): BE0

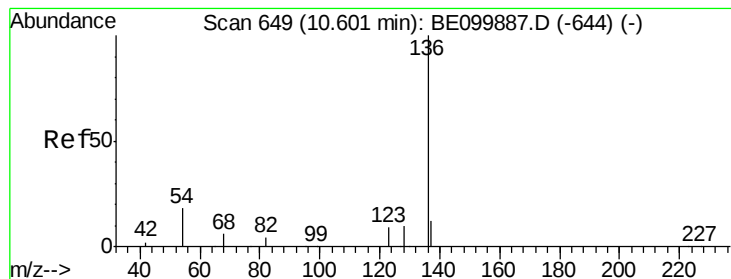
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 7.20 7.30 7.40





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

Tot Ion:136 Resp: 2807

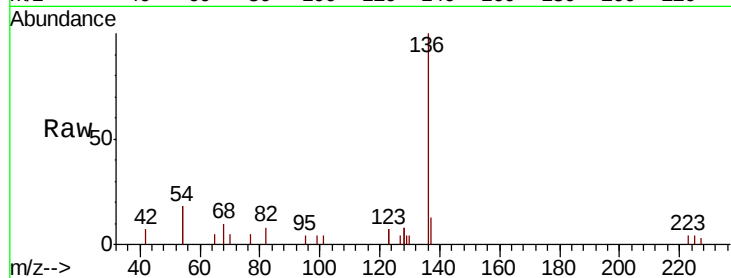
Ion Ratio Lower Upper

136 100

137 12.9 12.3 18.5

54 37.0 28.2 42.4

68 9.6 7.8 11.8

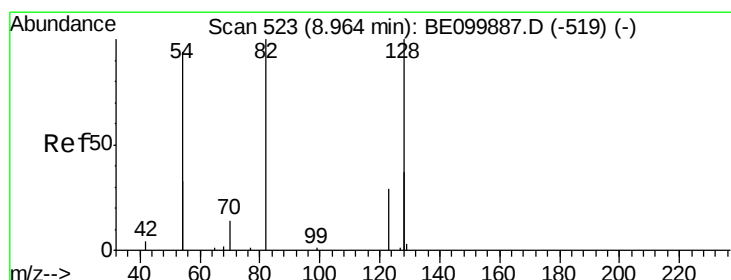
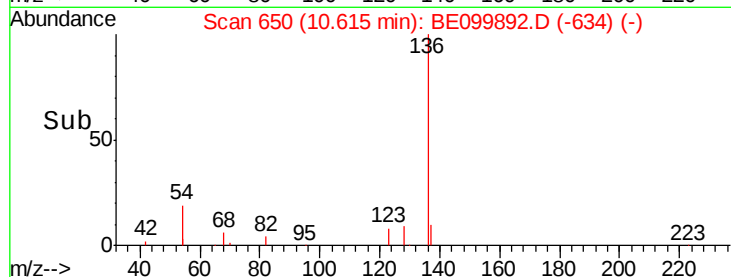
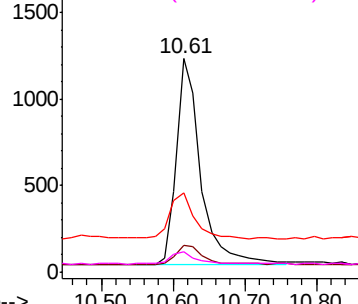


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.372 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

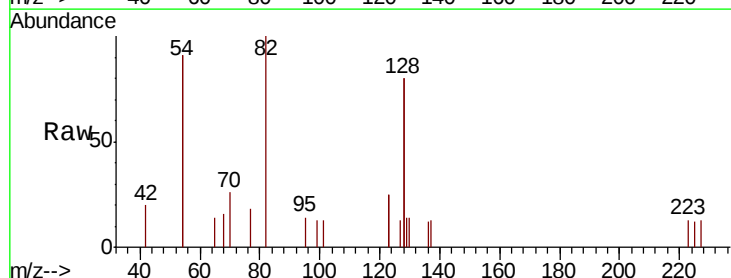
Tgt Ion: 82 Resp: 988

Ion Ratio Lower Upper

82 100

128 160.7 137.3 205.9

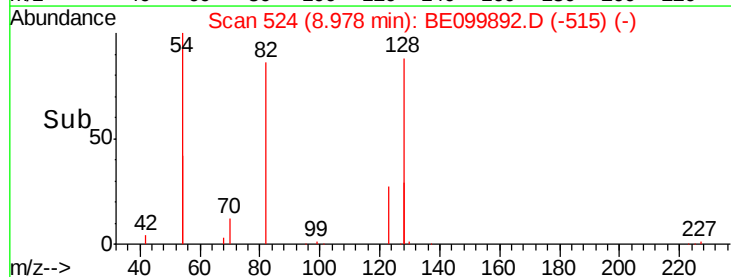
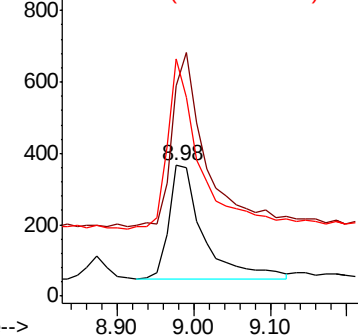
54 182.0 129.7 194.5

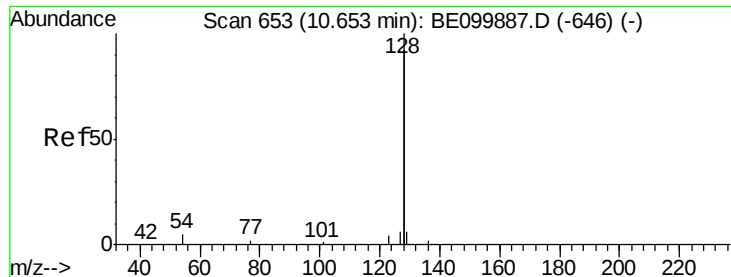


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

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ClientSampleId :

ICVBE061019

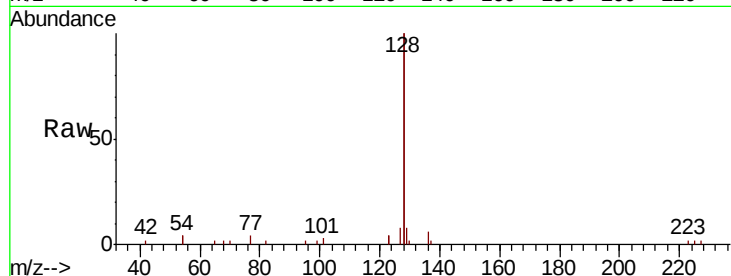
Tot Ion:128 Resp: 12122

Ion Ratio Lower Upper

128 100

129 3.8 3.0 4.6

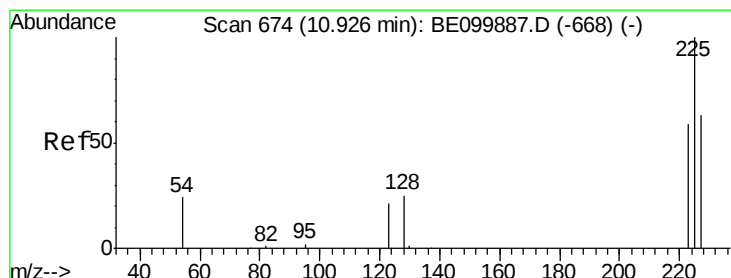
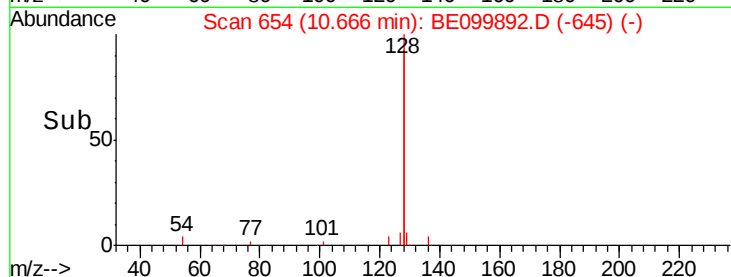
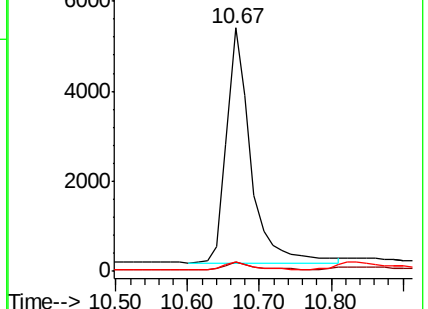
127 4.0 3.4 5.0



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: 0.408 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

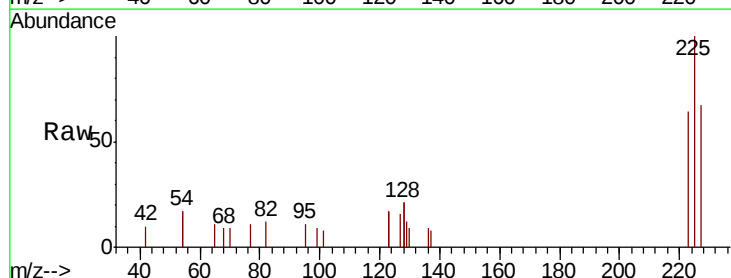
Tgt Ion:225 Resp: 943

Ion Ratio Lower Upper

225 100

223 61.3 51.6 77.4

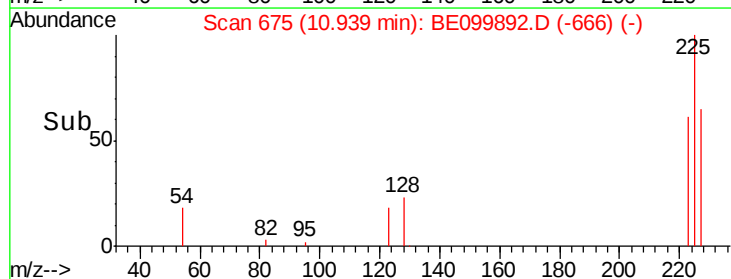
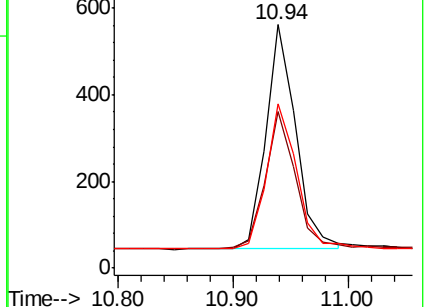
227 64.8 50.6 76.0



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: 0.397 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

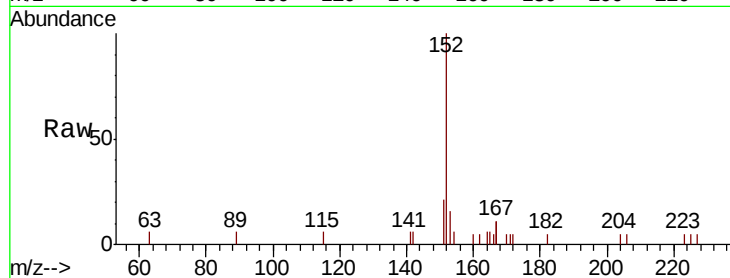
ICVBE061019

Tot Ion:152 Resp: 1944

Ion Ratio Lower Upper

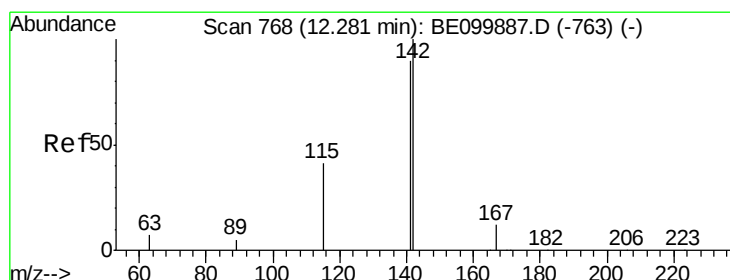
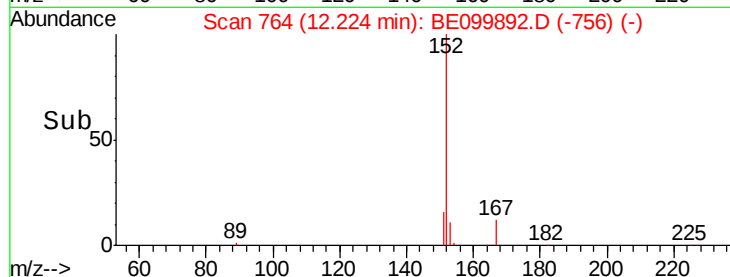
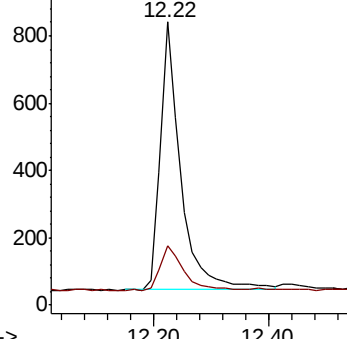
152 100

151 19.2 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.396 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

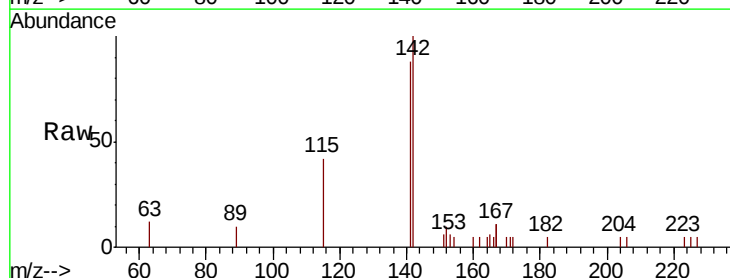
Tgt Ion:142 Resp: 1951

Ion Ratio Lower Upper

142 100

141 88.4 72.3 108.5

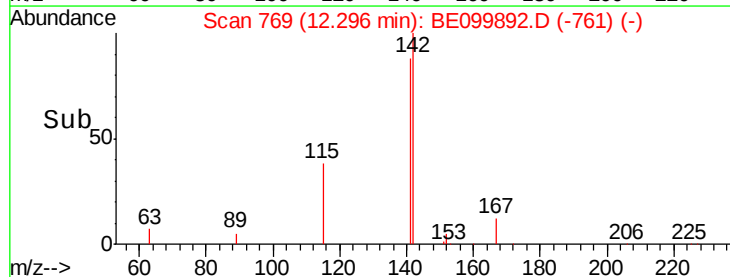
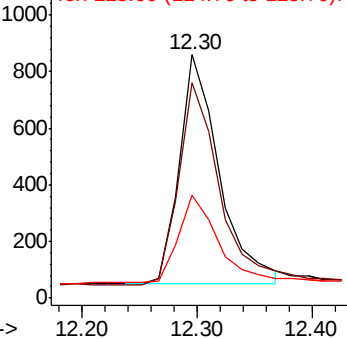
115 42.0 36.4 54.6



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

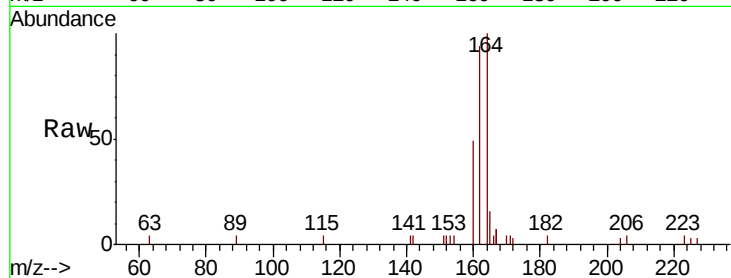




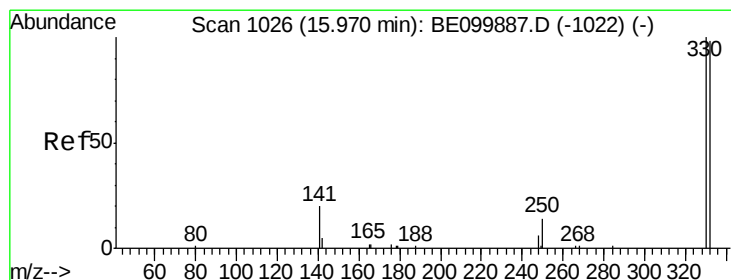
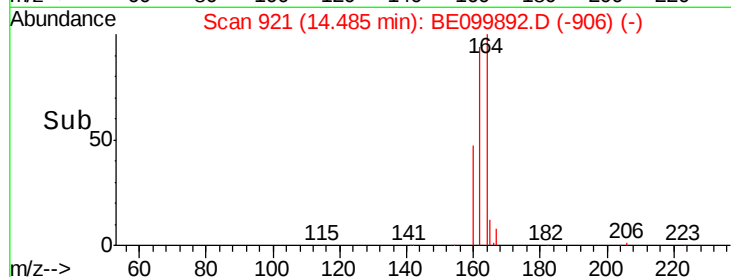
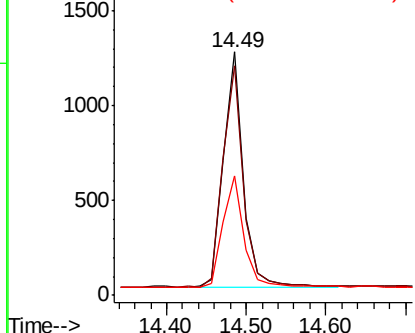
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: BE099892.D
 Acq: 10 Jun 2019 16:16

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE061019

Tot Ion:164 Resp: 2136
 Ion Ratio Lower Upper
 164 100
 162 94.2 77.8 116.8
 160 48.9 38.2 57.4

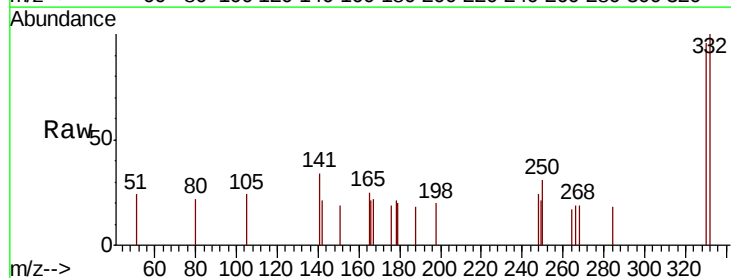


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

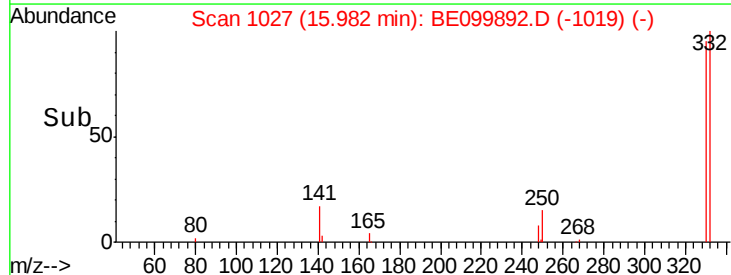
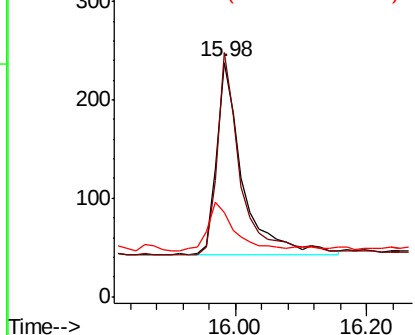


#14
 2,4,6-Tribromophenol
 Concen: 0.340 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.01 min
 Lab File: BE099892.D
 Acq: 10 Jun 2019 16:16

Tgt Ion:330 Resp: 536
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.7 115.1
 141 27.1 21.0 31.6



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

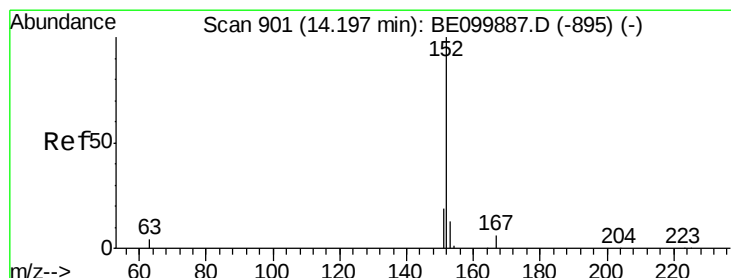
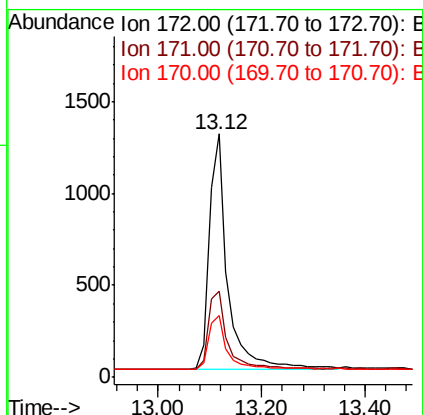
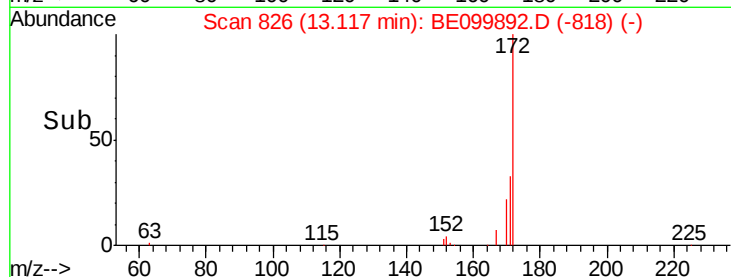
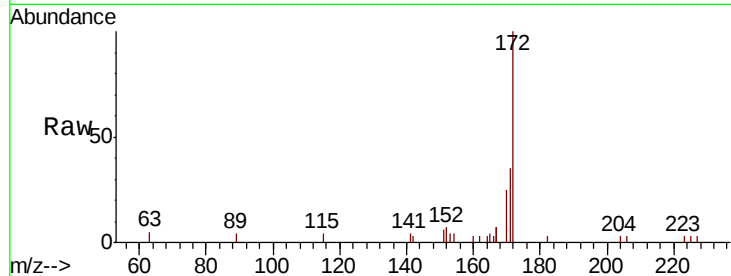




#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099892.D
Acq: 10 Jun 2019 16:16

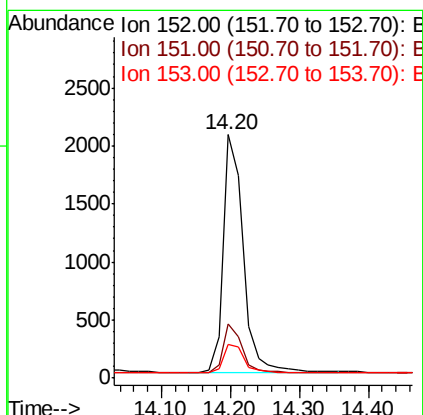
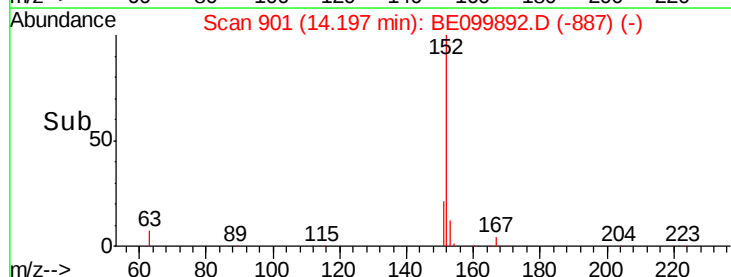
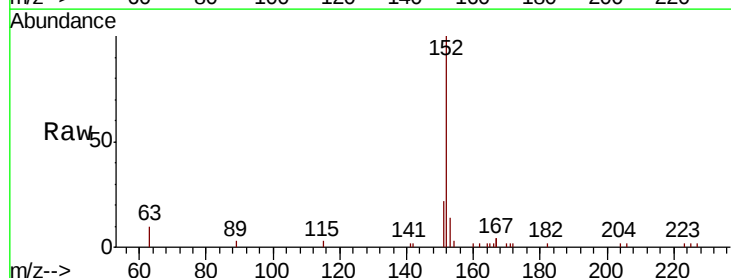
Instrument :
BNA_E
ClientSampleId :
ICVBE061019

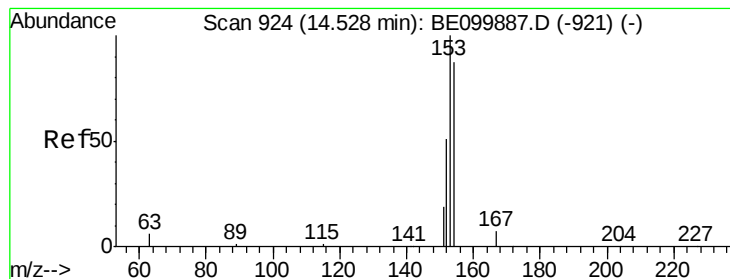
Tot Ion:172 Resp: 3143
Ion Ratio Lower Upper
172 100
171 35.5 29.2 43.8
170 25.2 21.2 31.8



#16
Acenaphthylene
Concen: 0.389 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099892.D
Acq: 10 Jun 2019 16:16

Tgt Ion:152 Resp: 4137
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 12.9 10.2 15.2





#17

Acenaphthene

Concen: 0.387 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

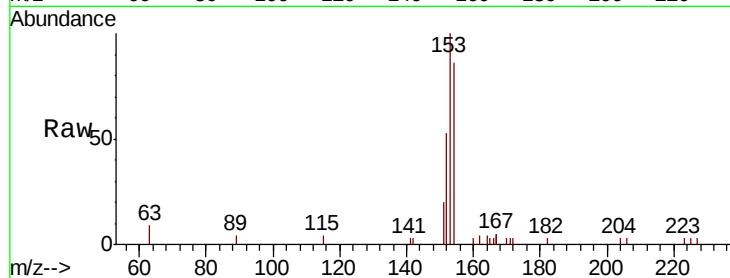
Tot Ion:154 Resp: 2239

Ion Ratio Lower Upper

154 100

153 116.1 93.1 139.7

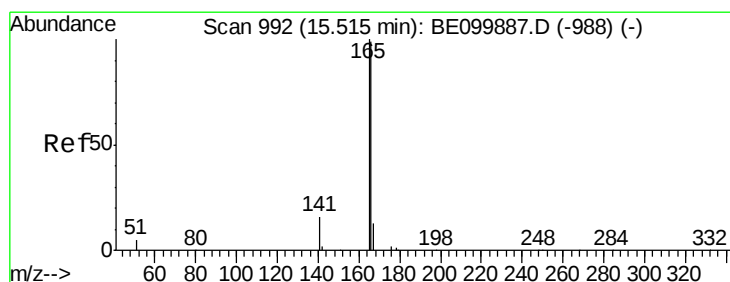
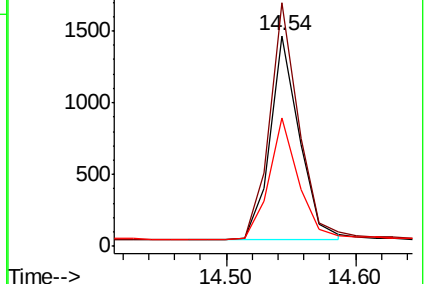
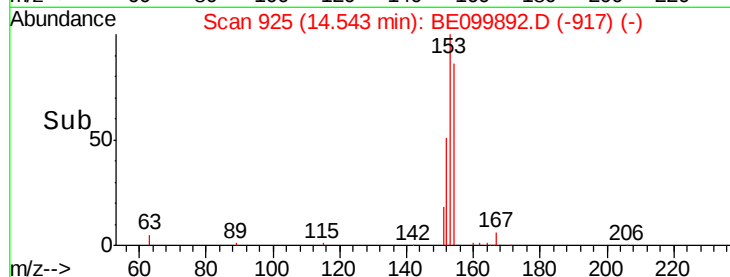
152 60.0 47.0 70.4



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: 0.389 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

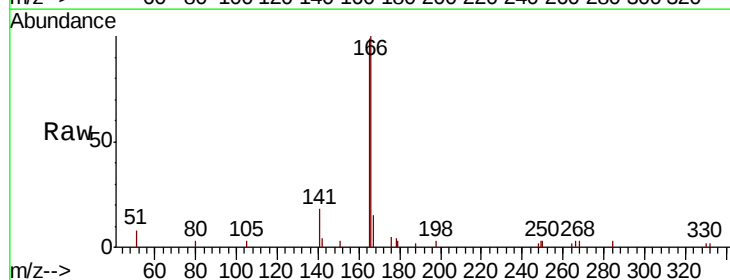
Tgt Ion:166 Resp: 3378

Ion Ratio Lower Upper

166 100

165 101.1 81.8 122.8

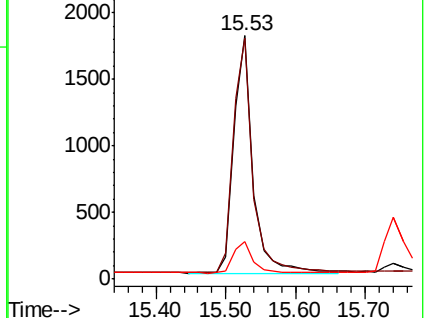
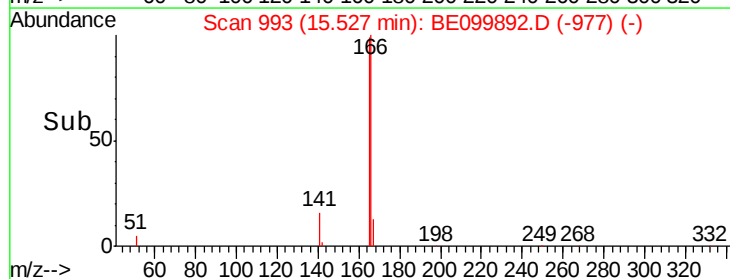
167 13.6 11.2 16.8

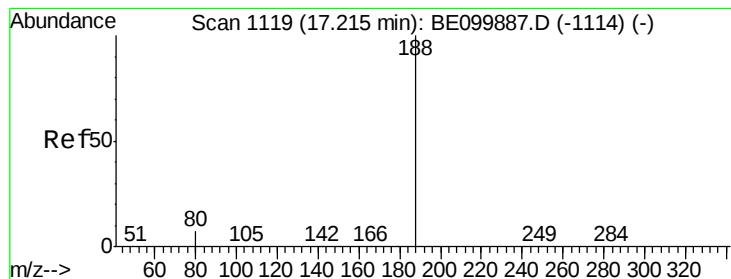


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

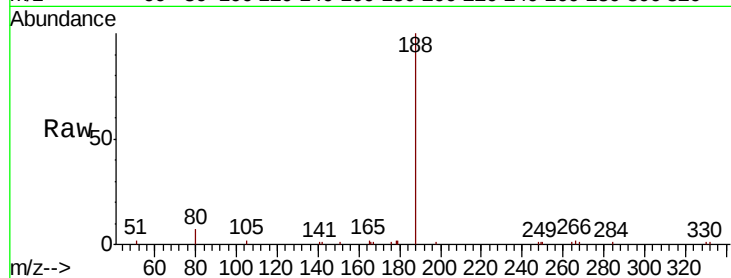
Tot Ion:188 Resp: 7024

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

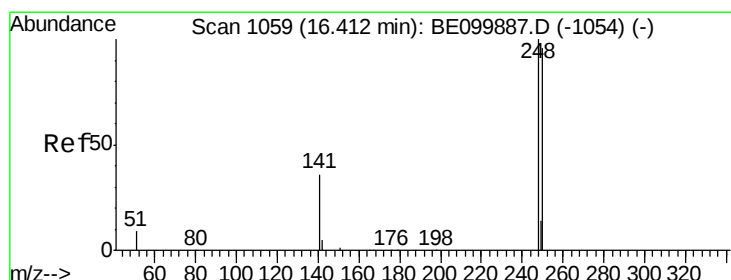
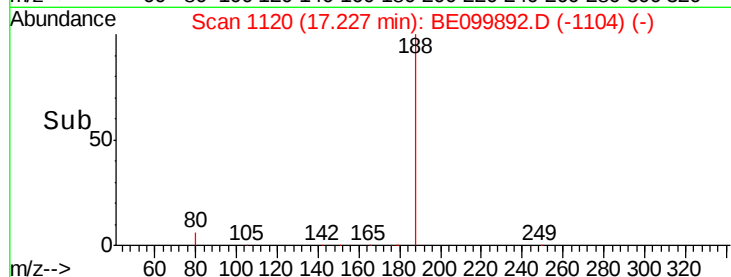
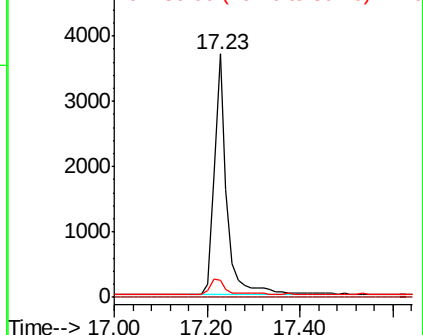
80 7.1 6.4 9.6



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: 0.395 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

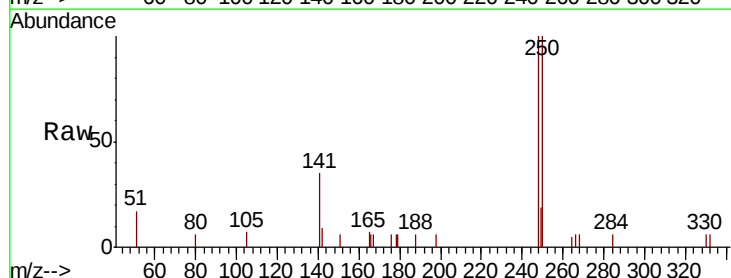
Tgt Ion:248 Resp: 1572

Ion Ratio Lower Upper

248 100

250 99.9 77.5 116.3

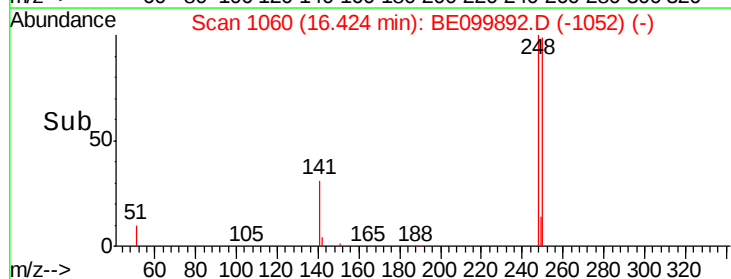
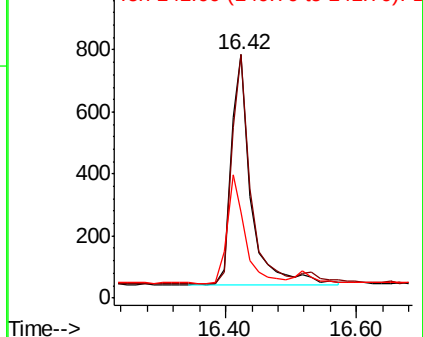
141 35.3 31.8 47.8

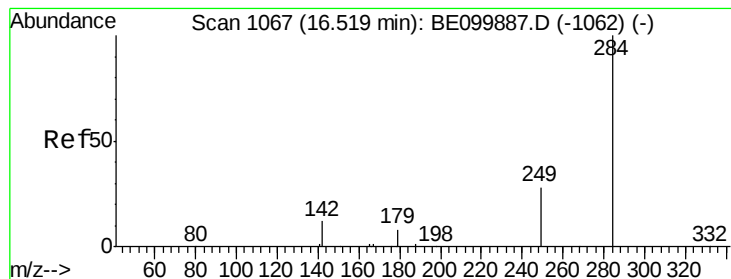


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.396 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

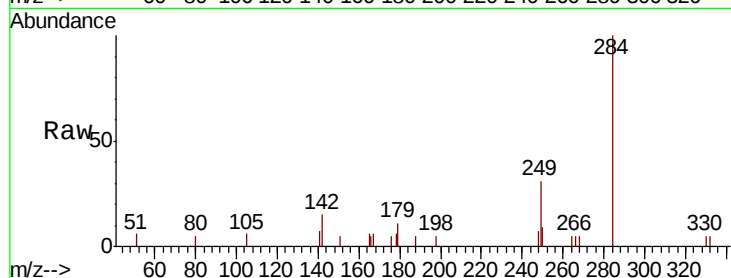
Tot Ion:284 Resp: 1609

Ion Ratio Lower Upper

284 100

142 23.4 18.2 27.4

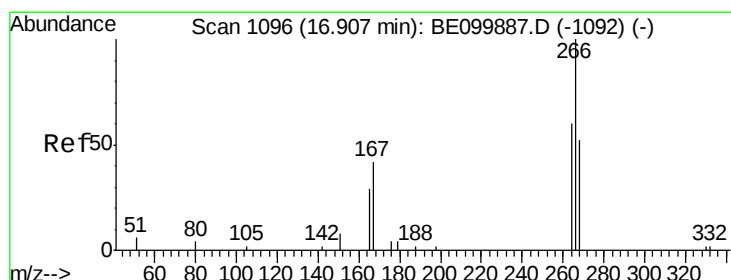
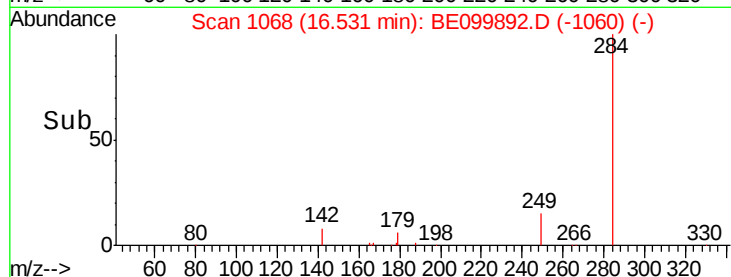
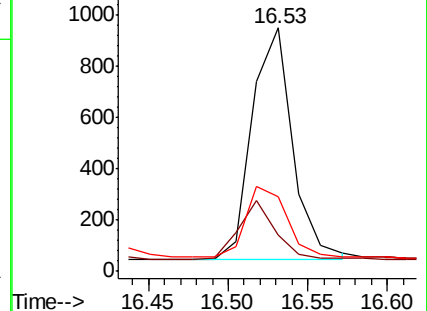
249 30.3 24.6 37.0



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: 0.441 ng

RT: 16.93 min Scan# 1098

Delta R.T. 0.03 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

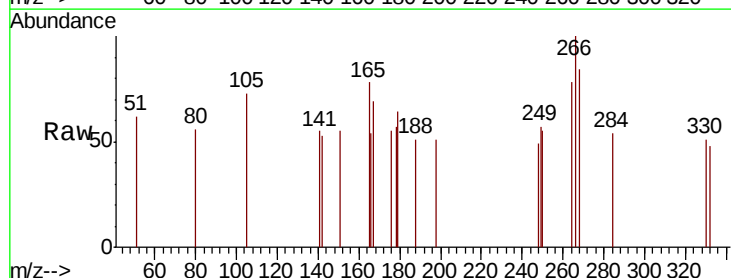
Tgt Ion:266 Resp: 276

Ion Ratio Lower Upper

266 100

264 77.5 62.2 93.2

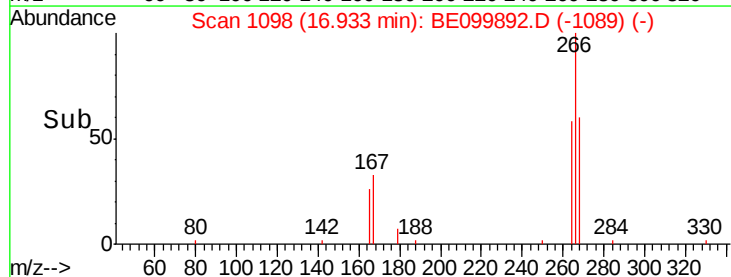
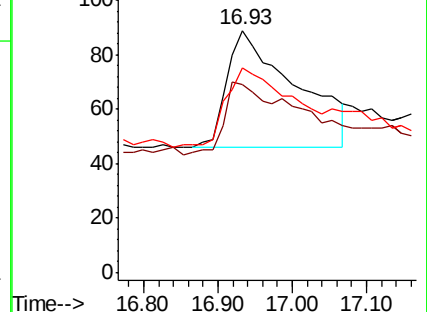
268 84.3 65.5 98.3



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: 0.388 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

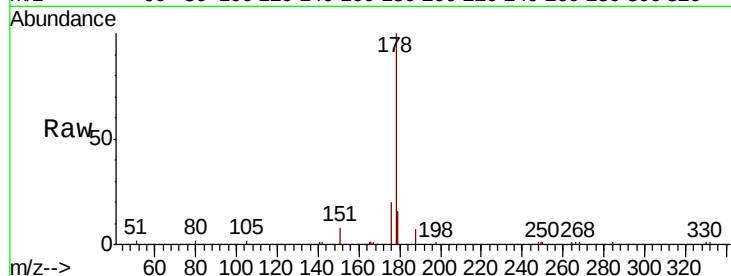
Tot Ion:178 Resp: 6605

Ion Ratio Lower Upper

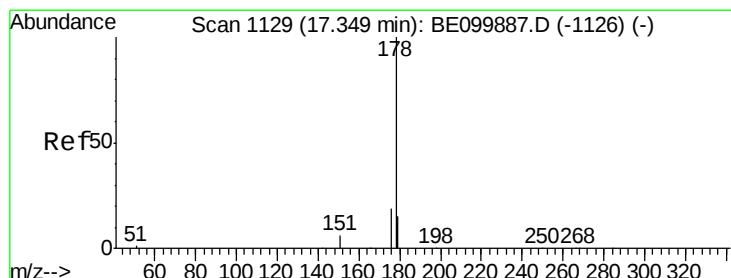
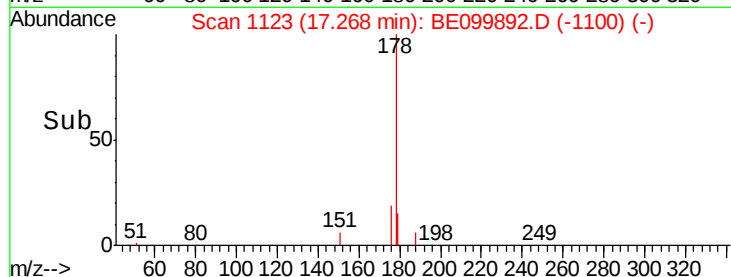
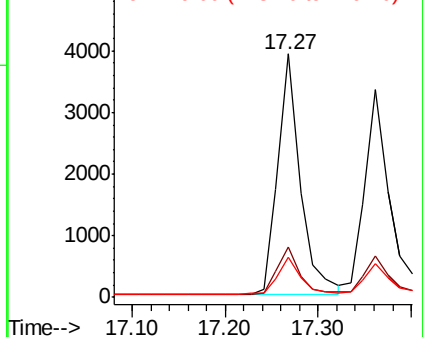
178 100

176 19.6 15.8 23.8

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



#24

Anthracene

Concen: 0.372 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

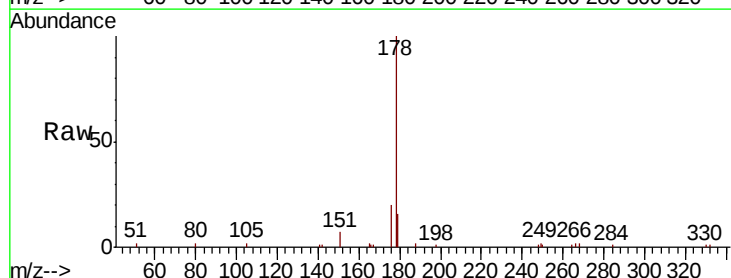
Tgt Ion:178 Resp: 5807

Ion Ratio Lower Upper

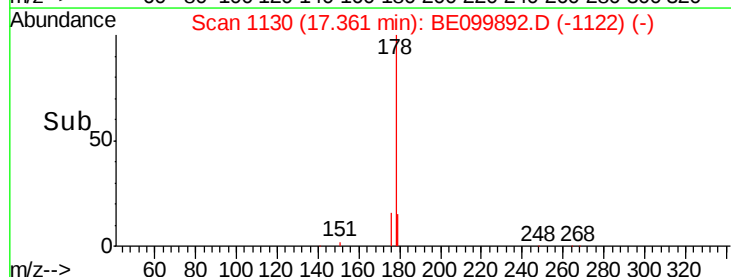
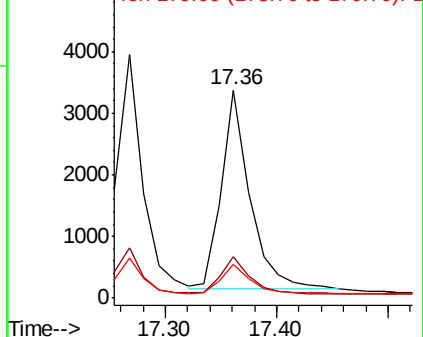
178 100

176 18.9 14.6 22.0

179 14.6 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: 0.369 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

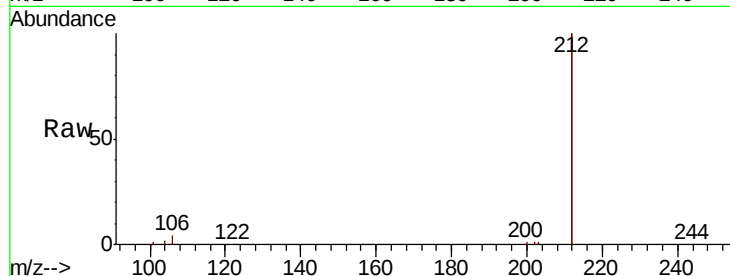
Tot Ion:212 Resp: 37726

Ion Ratio Lower Upper

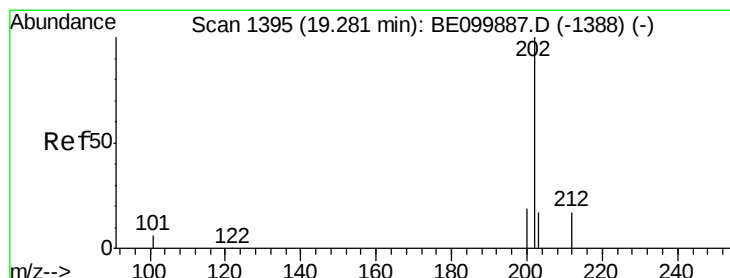
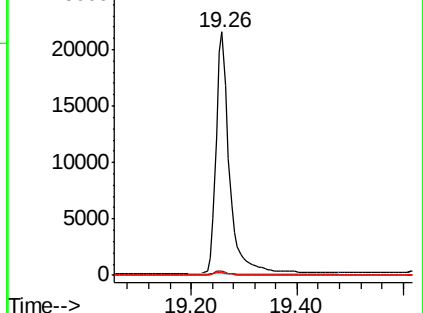
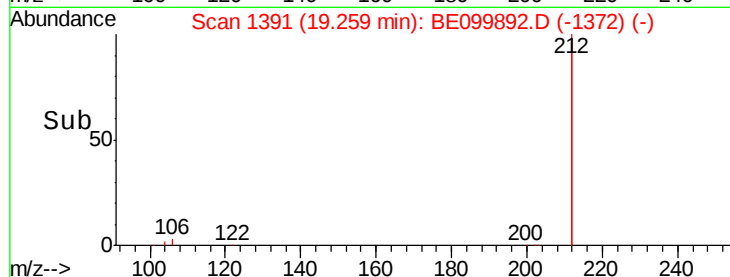
212 100

106 1.8 1.4 2.2

104 1.0 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



#26

Fluoranthene

Concen: 0.369 ng

RT: 19.29 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

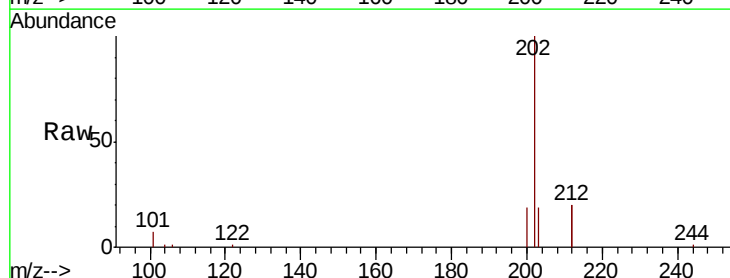
Tgt Ion:202 Resp: 10690

Ion Ratio Lower Upper

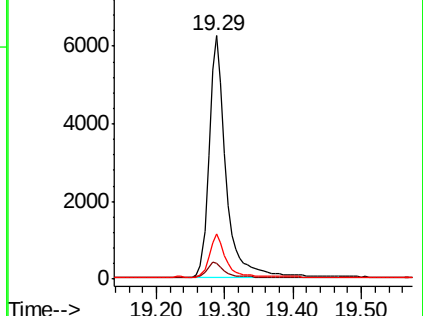
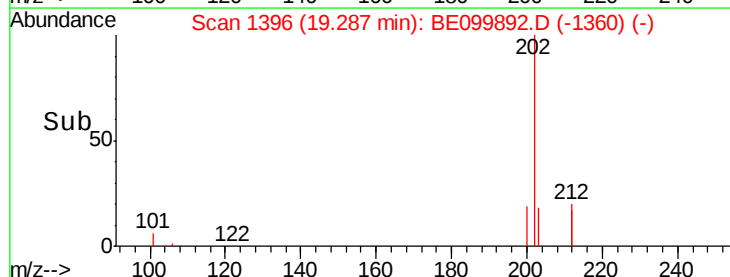
202 100

101 6.8 5.4 8.0

203 17.1 13.2 19.8



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

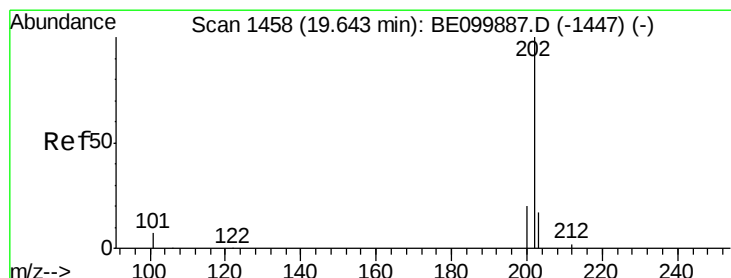
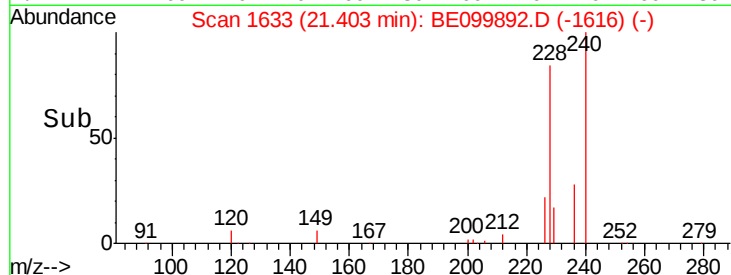
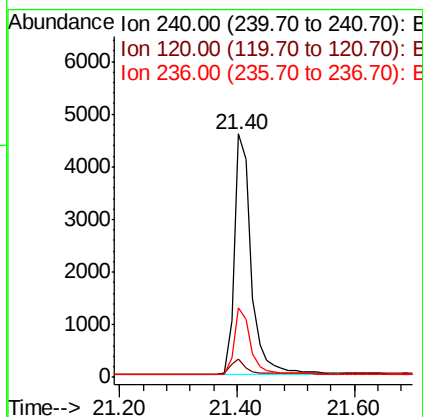
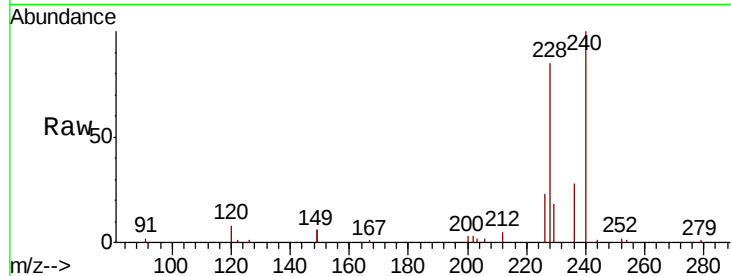




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: BE099892.D
 Acq: 10 Jun 2019 16:16

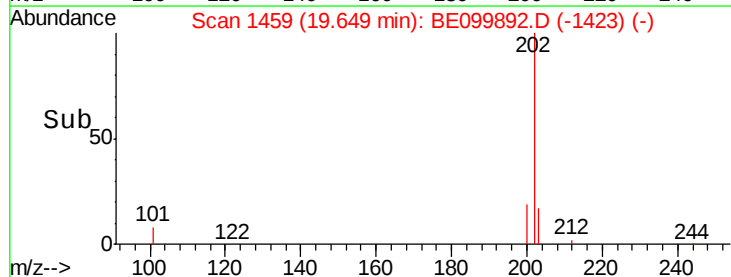
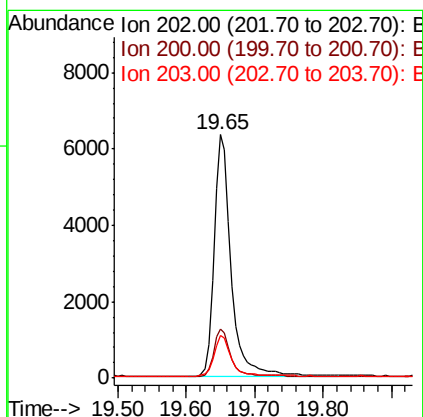
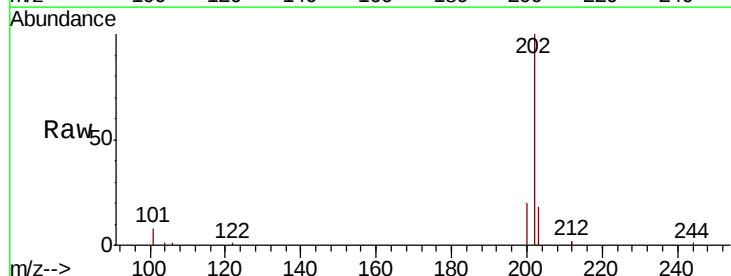
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE061019

Tot Ion:240 Resp: 9287
 Ion Ratio Lower Upper
 240 100
 120 7.6 3.8 5.6#
 236 28.4 22.0 33.0



#28
 Pyrene
 Concen: 0.451 ng
 RT: 19.65 min Scan# 1459
 Delta R.T. 0.01 min
 Lab File: BE099892.D
 Acq: 10 Jun 2019 16:16

Tgt Ion:202 Resp: 11002
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.5 23.3
 203 17.3 14.0 21.0





#29

Terphenyl-d14

Concen: 0.429 ng

RT: 19.86 min Scan# 1495

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

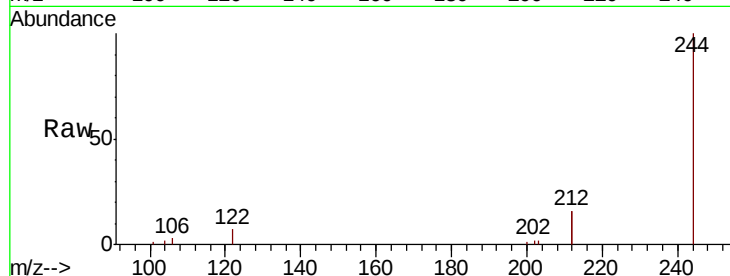
Tot Ion:244 Resp: 7168

Ion Ratio Lower Upper

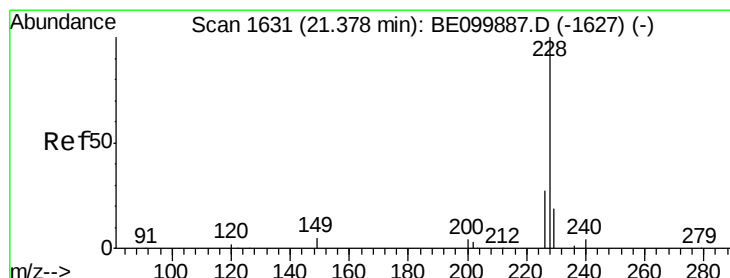
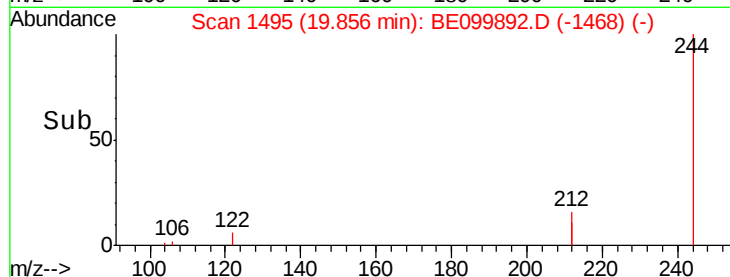
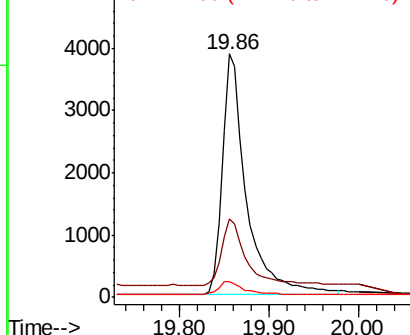
244 100

212 32.4 25.7 38.5

122 6.7 5.5 8.3



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: 0.402 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

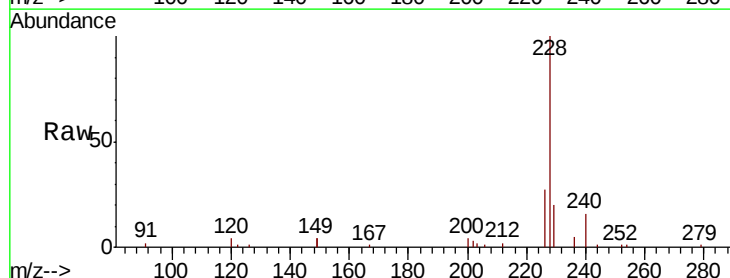
Tgt Ion:228 Resp: 11166

Ion Ratio Lower Upper

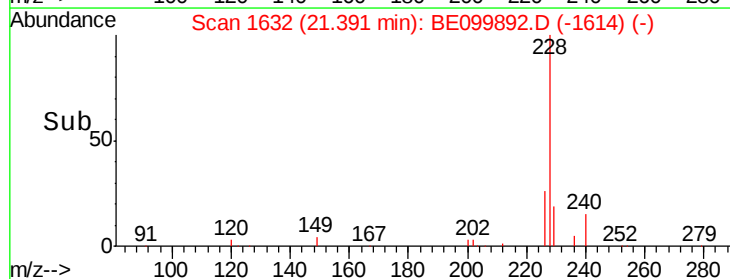
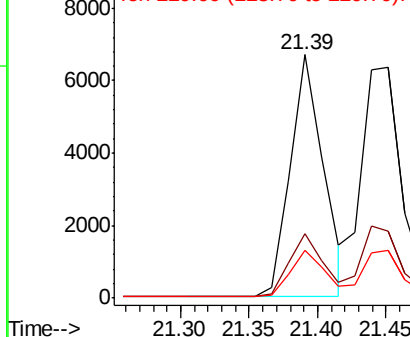
228 100

226 26.6 22.5 33.7

229 19.8 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: 0.446 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

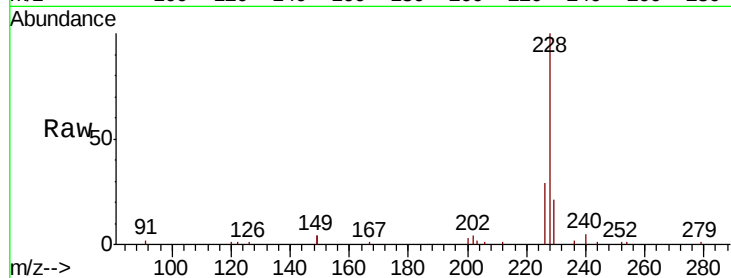
Tot Ion:228 Resp: 12792

Ion Ratio Lower Upper

228 100

226 29.0 24.1 36.1

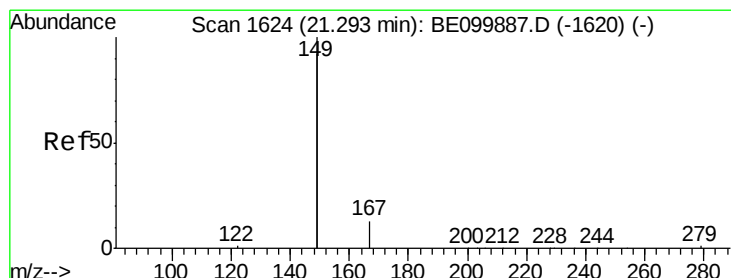
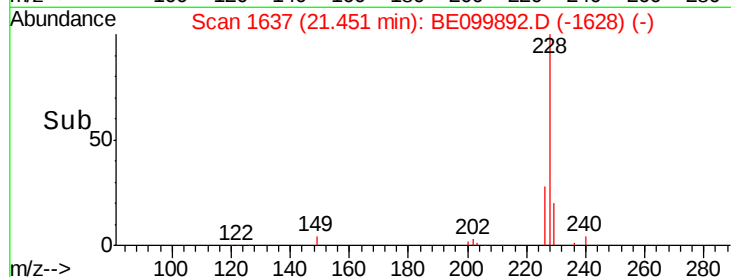
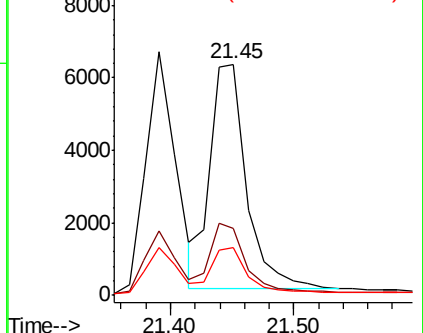
229 20.6 16.1 24.1



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: 0.406 ng

RT: 21.31 min Scan# 1625

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

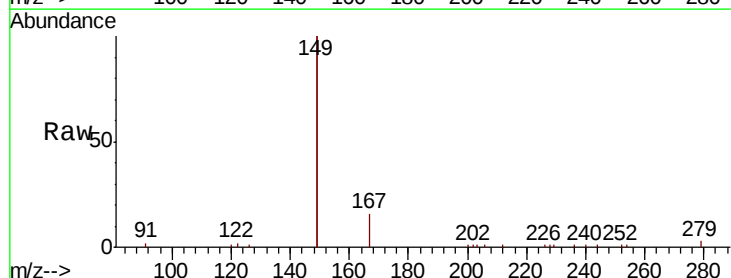
Tgt Ion:149 Resp: 16188

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

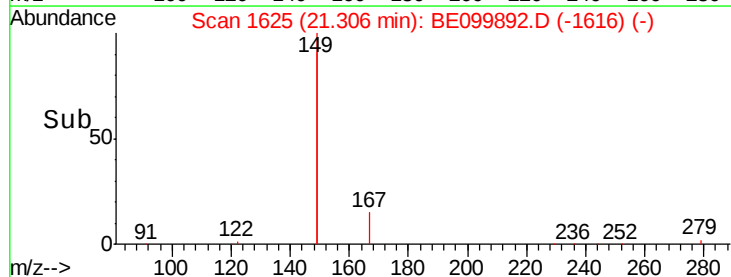
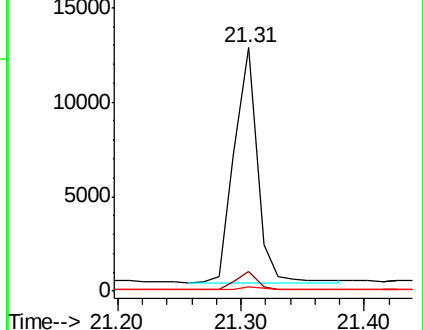
279 1.4 1.2 1.8

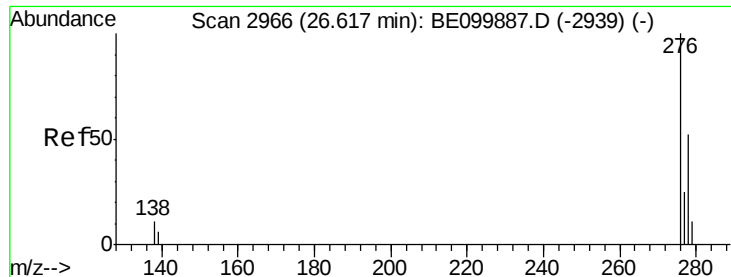


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.416 ng

RT: 26.63 min Scan# 2969

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

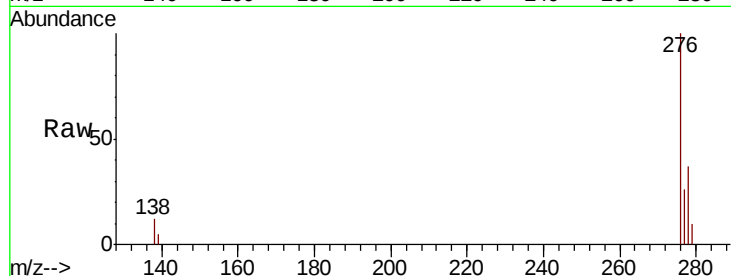
Tot Ion:276 Resp: 14151

Ion Ratio Lower Upper

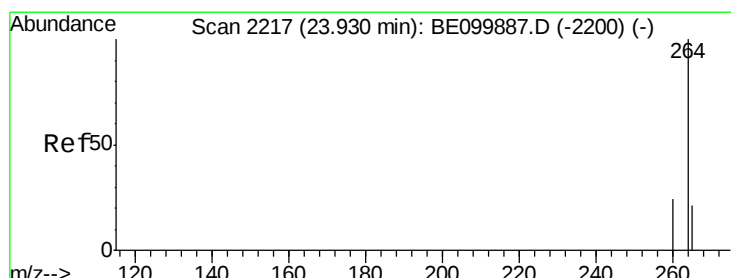
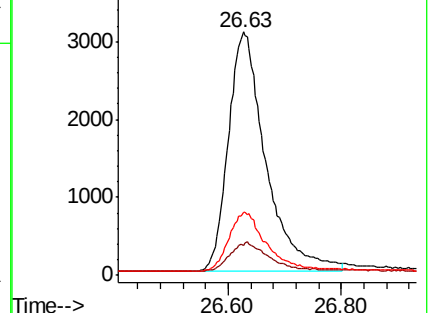
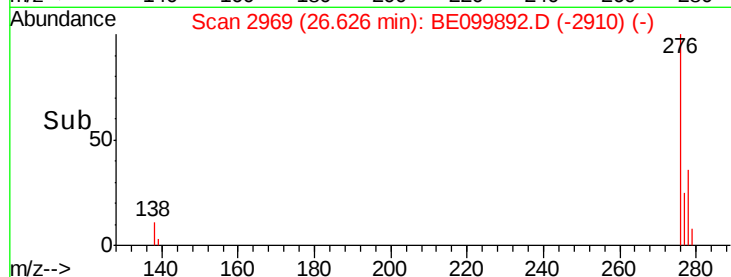
276 100

138 12.4 10.1 15.1

277 24.9 19.1 28.7



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: 23.94 min Scan# 2220

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

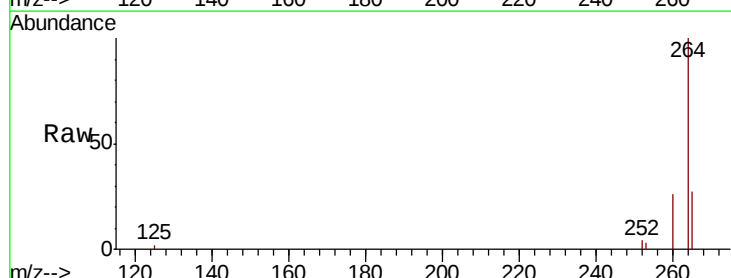
Tgt Ion:264 Resp: 10616

Ion Ratio Lower Upper

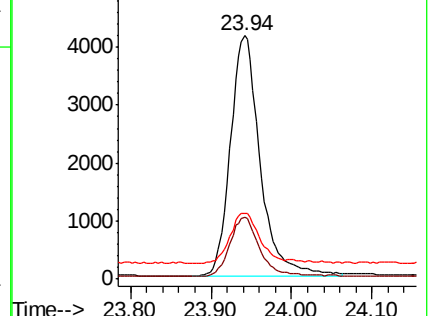
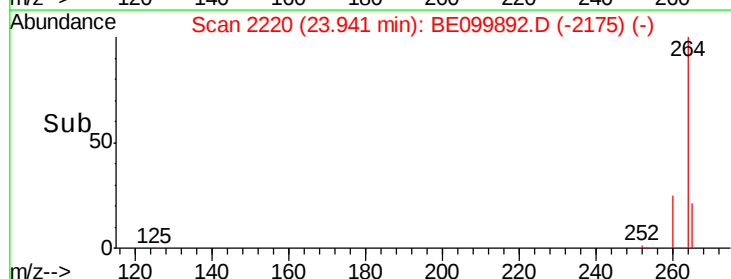
264 100

260 25.5 20.2 30.2

265 27.1 22.0 33.0



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

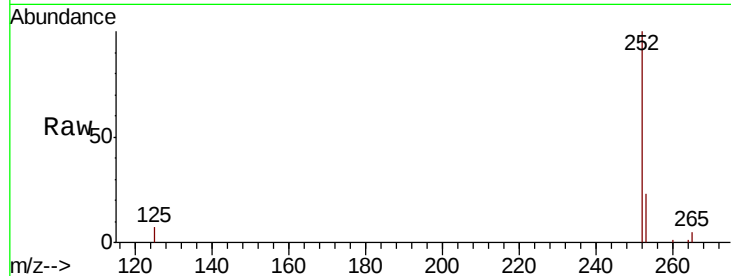




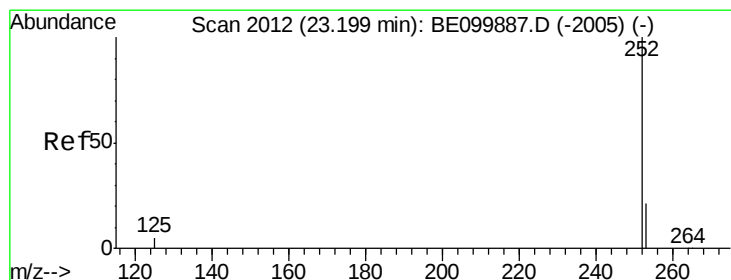
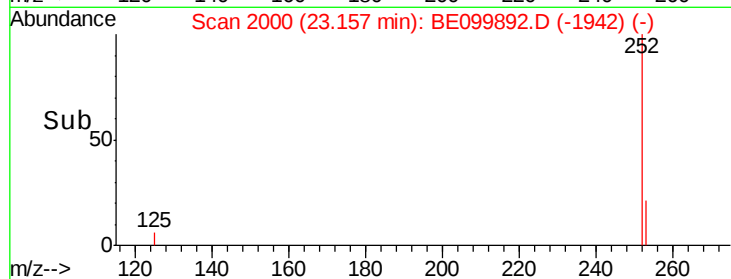
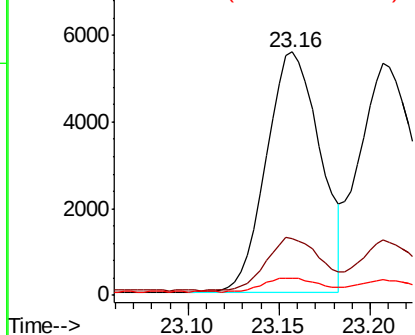
#35
Benzo(b)fluoranthene
Concen: 0.382 ng
RT: 23.16 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BE099892.D
Acq: 10 Jun 2019 16:16

Instrument :
BNA_E
ClientSampleId :
ICVBE061019

Tot Ion:252 Resp: 11351
Ion Ratio Lower Upper
252 100
253 23.1 18.7 28.1
125 7.1 5.7 8.5

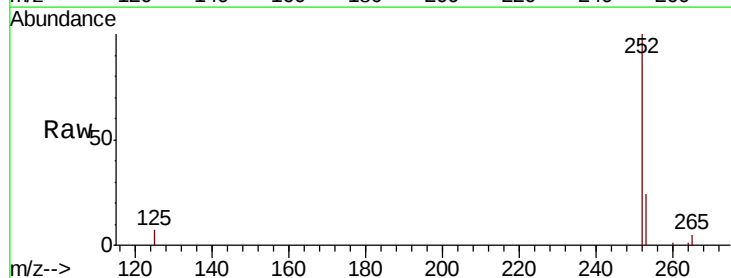


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

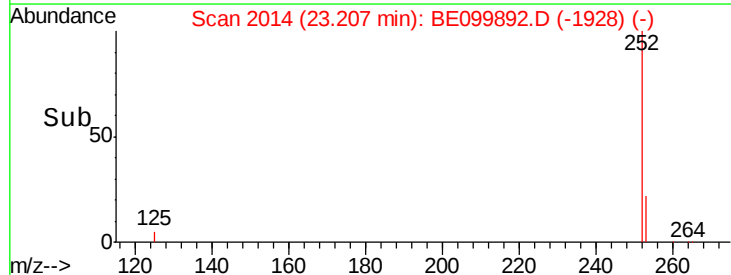
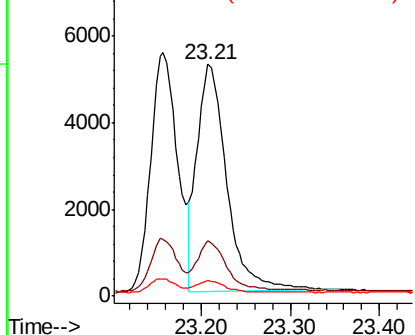


#36
Benzo(k)fluoranthene
Concen: 0.391 ng
RT: 23.21 min Scan# 2014
Delta R.T. 0.01 min
Lab File: BE099892.D
Acq: 10 Jun 2019 16:16

Tgt Ion:252 Resp: 12169
Ion Ratio Lower Upper
252 100
253 23.9 18.6 28.0
125 6.7 5.4 8.0



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





#37

Benzo(a)pyrene

Concen: 0.390 ng

RT: 23.83 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

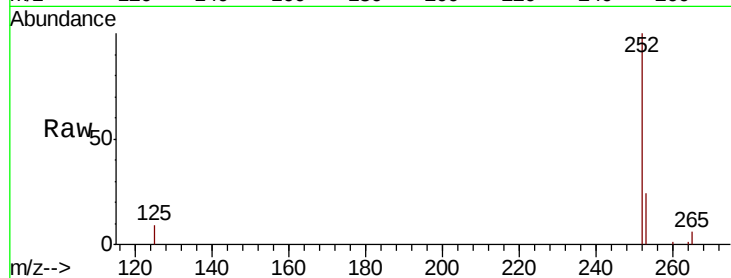
Tot Ion:252 Resp: 11434

Ion Ratio Lower Upper

252 100

253 23.9 19.6 29.4

125 8.8 6.6 10.0

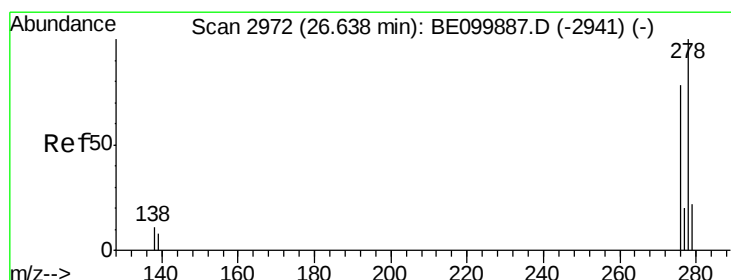
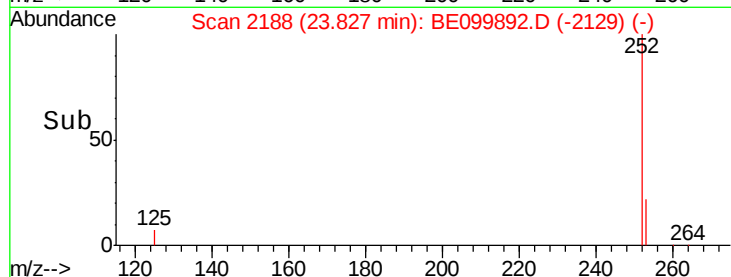
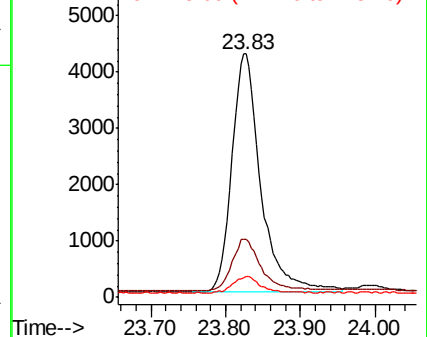


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.380 ng

RT: 26.66 min Scan# 2978

Delta R.T. 0.02 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

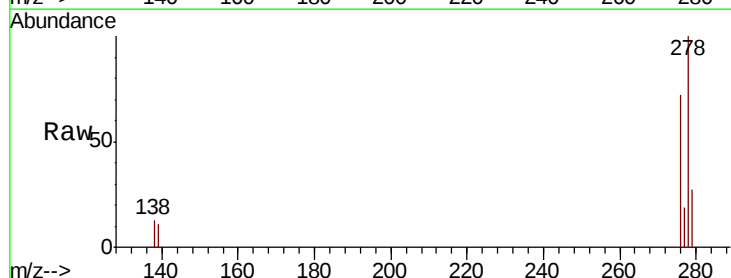
Tgt Ion:278 Resp: 11226

Ion Ratio Lower Upper

278 100

139 10.8 7.8 11.8

279 26.6 20.0 30.0

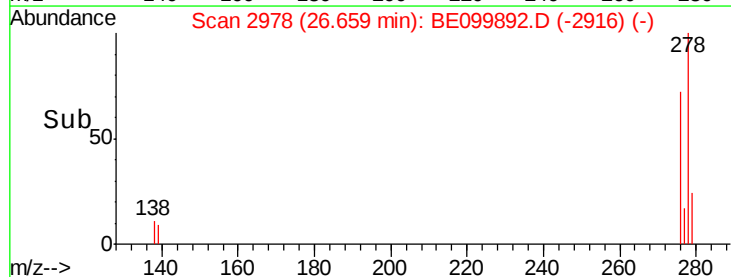
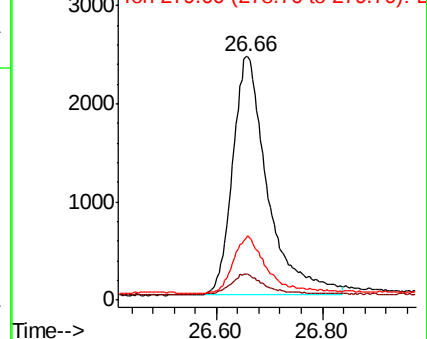


Abundance

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: 0.398 ng

RT: 27.46 min Scan# 3202

Delta R.T. 0.02 min

Lab File: BE099892.D

Acq: 10 Jun 2019 16:16

Instrument :

BNA_E

ClientSampleId :

ICVBE061019

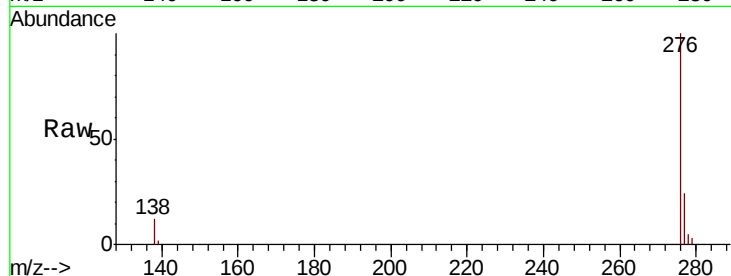
Tot Ion: 276 Resp: 12122

Ion Ratio Lower Upper

276 100

277 24.2 19.5 29.3

138 12.0 9.5 14.3



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

