

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE051419\
 Data File : BE099612.D
 Acq On : 14 May 2019 19:31
 Operator : JU/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE051419

Quant Time: May 15 05:02:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 14 19:30:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1547	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5578	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3764	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10752	0.40	ng	0.00
27) Chrysene-d12	21.41	240	16055	0.40	ng	0.00
34) Perylene-d12	23.96	264	17992	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1768	0.40	ng	0.00
5) Phenol-d6	6.98	99	2306	0.41	ng	0.00
8) Nitrobenzene-d5	8.98	82	2125	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3903	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	931	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	5984	0.41	ng	0.00
25) Fluoranthene-d10	19.26	212	56970	0.40	ng	0.00
29) Terphenyl-d14	19.87	244	11533	0.40	ng	0.00

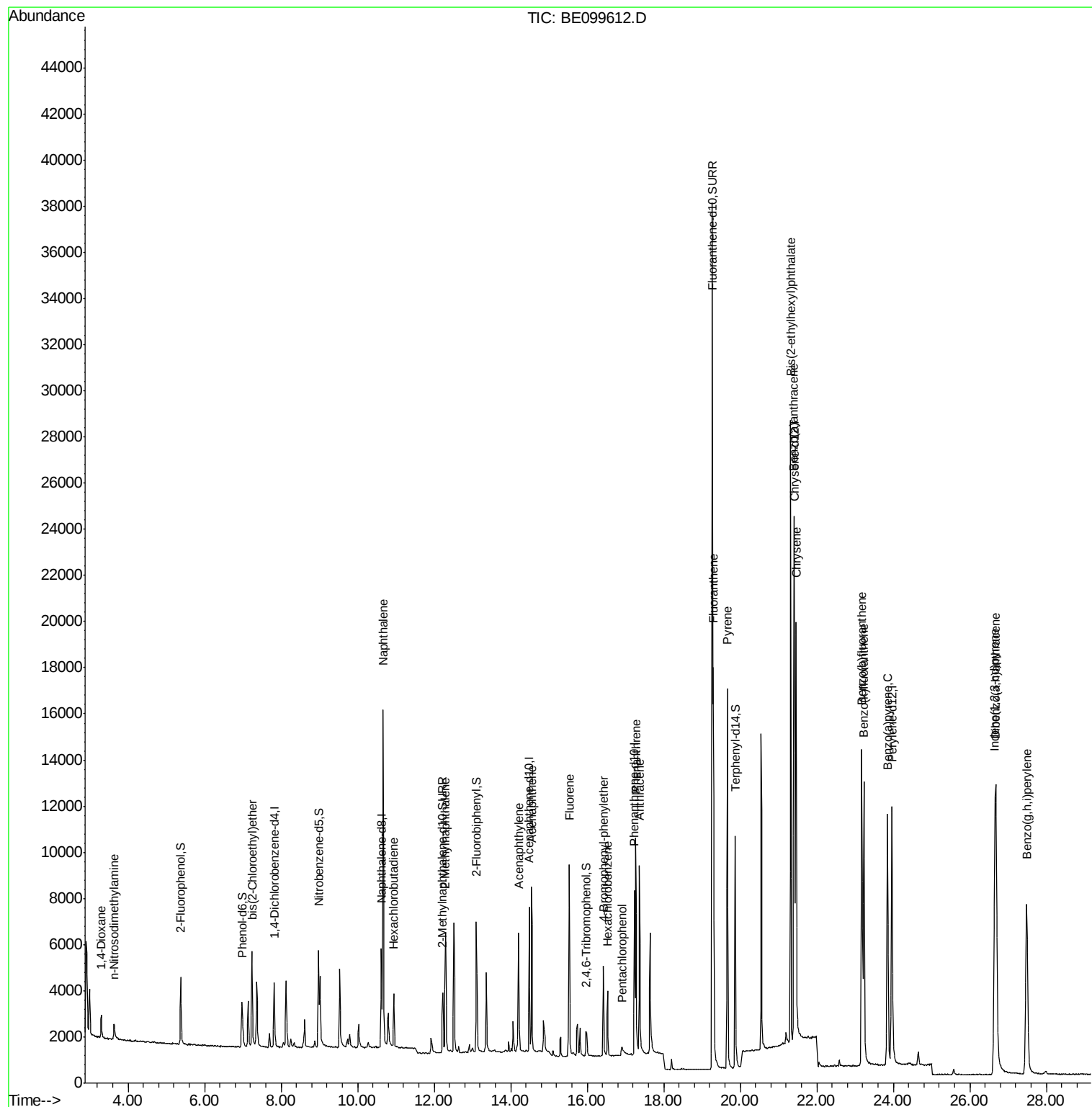
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	907	0.398	ng	92
3) n-Nitrosodimethylamine	3.62	42	571	0.392	ng	# 1
6) bis(2-Chloroethyl)ether	7.24	93	1917	0.409	ng	91
9) Naphthalene	10.67	128	23987	0.404	ng	99
10) Hexachlorobutadiene	10.94	225	1713	0.394	ng	96
12) 2-Methylnaphthalene	12.30	142	3895	0.397	ng	97
16) Acenaphthylene	14.21	152	7205	0.405	ng	99
17) Acenaphthene	14.54	154	4111	0.410	ng	99
18) Fluorene	15.53	166	5812	0.404	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	2442	0.394	ng	98
21) Hexachlorobenzene	16.53	284	2419	0.397	ng	96
22) Pentachlorophenol	16.91	266	628	0.452	ng	97
23) Phenanthrene	17.27	178	10590	0.397	ng	99
24) Anthracene	17.36	178	9586	0.389	ng	99
26) Fluoranthene	19.30	202	16098	0.399	ng	99
28) Pyrene	19.66	202	16715	0.408	ng	100
30) Benzo(a)anthracene	21.40	228	19080	0.393	ng	99
31) Chrysene	21.46	228	20304	0.406	ng	100
32) Bis(2-ethylhexyl)phthalate	21.32	149	28040	0.375	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	24780	0.398	ng	99
35) Benzo(b)fluoranthene	23.17	252	20230	0.402	ng	98
36) Benzo(k)fluoranthene	23.23	252	20196	0.407	ng	99
37) Benzo(a)pyrene	23.84	252	19513	0.400	ng	# 96
38) Dibenzo(a,h)anthracene	26.68	278	20013	0.396	ng	100
39) Benzo(g,h,i)perylene	27.49	276	20696	0.407	ng	99

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

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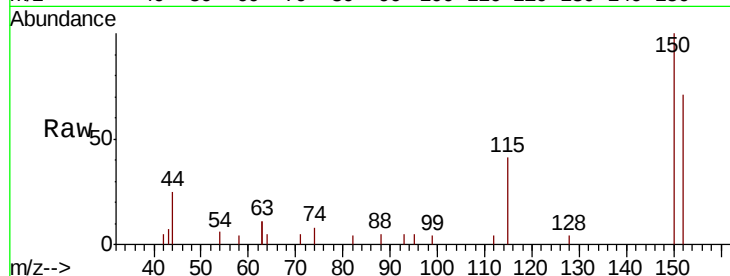


#1

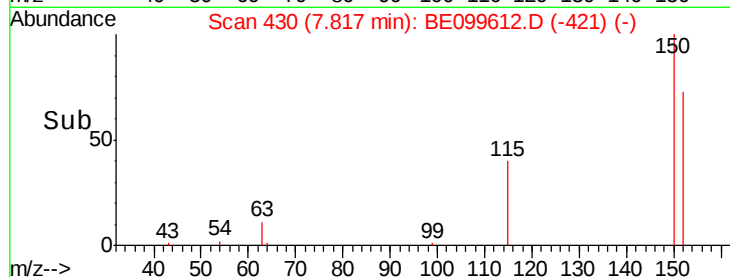
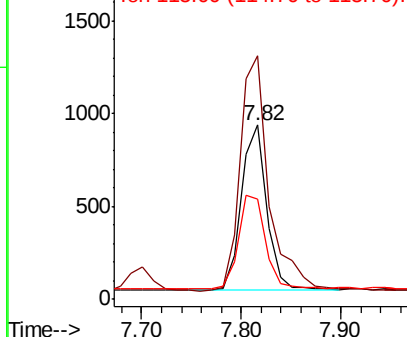
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099612.D
Acq: 14 May 2019 19:31

Instrument :
BNA_E
ClientSampleId :
ICVBE051419

Tgt Ion:152 Resp: 1547
Ion Ratio Lower Upper
152 100
150 139.9 110.1 165.1
115 57.7 46.2 69.4



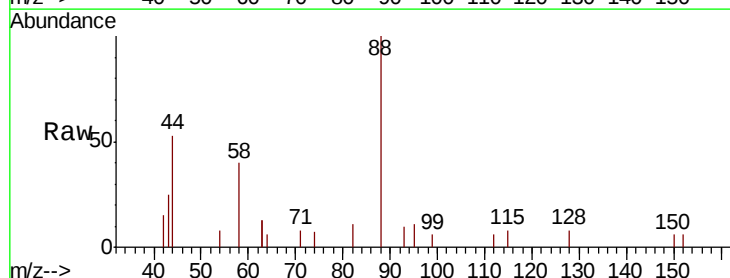
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



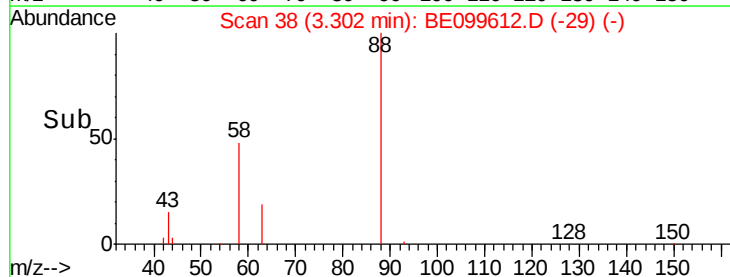
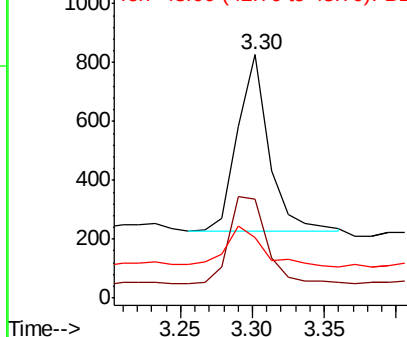
#2

1,4-Dioxane
Concen: 0.398 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099612.D
Acq: 14 May 2019 19:31

Tgt Ion: 88 Resp: 907
Ion Ratio Lower Upper
88 100
58 58.1 39.8 59.6
43 26.6 21.0 31.6



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: 0.392 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

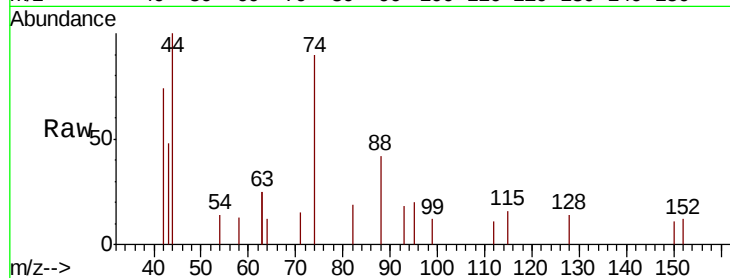
Tgt Ion: 42 Resp: 571

Ion Ratio Lower Upper

42 100

74 0.0 134.7 202.1#

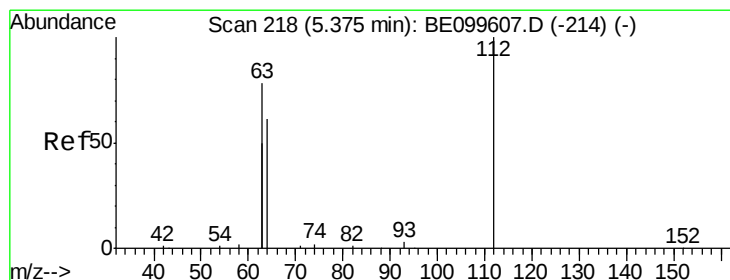
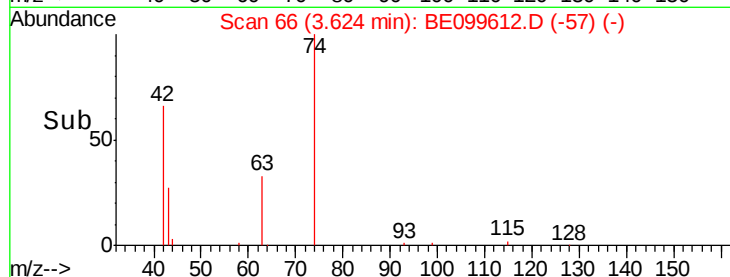
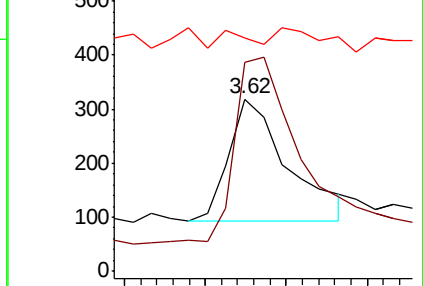
44 0.0 12.5 18.7#



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: 0.403 ng

RT: 5.37 min Scan# 218

Delta R.T. -0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

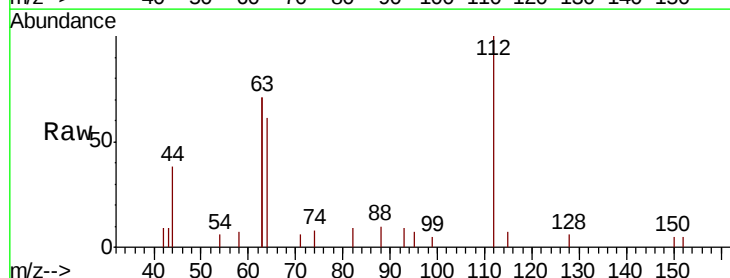
Tgt Ion: 112 Resp: 1768

Ion Ratio Lower Upper

112 100

64 56.3 43.7 65.5

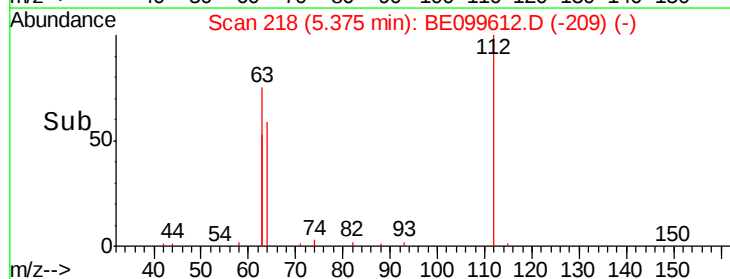
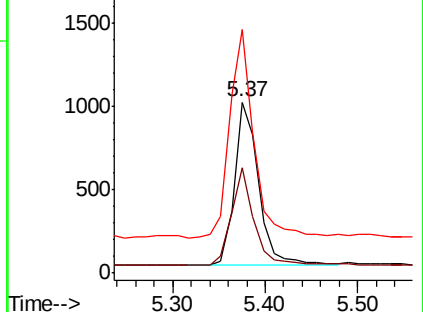
63 128.8 94.0 141.0

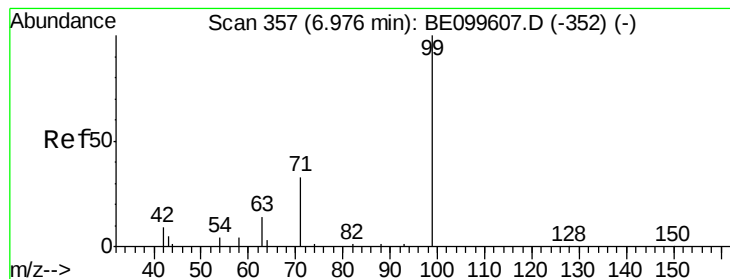


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.414 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

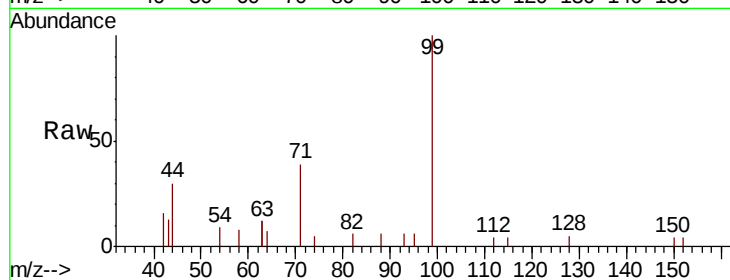
Tgt Ion: 99 Resp: 2306

Ion Ratio Lower Upper

99 100

42 16.6 14.3 21.5

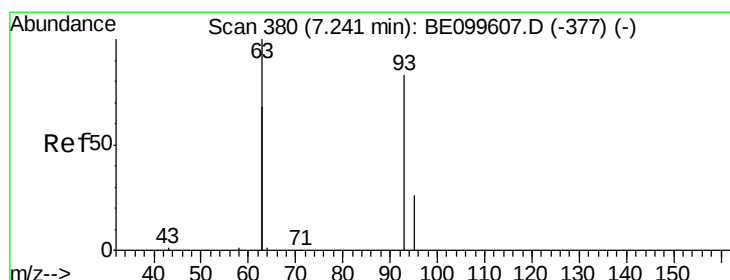
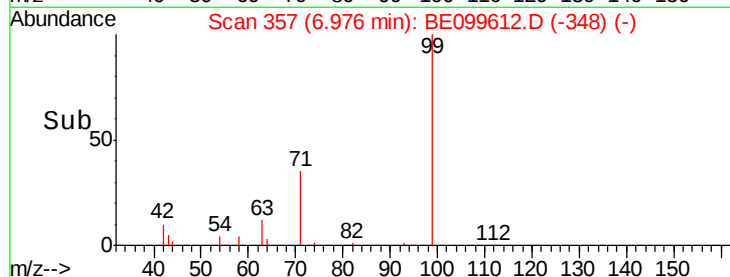
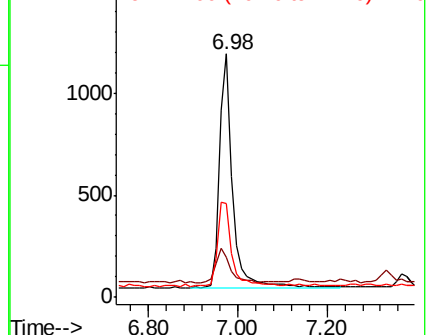
71 41.1 33.1 49.7



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: 0.409 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

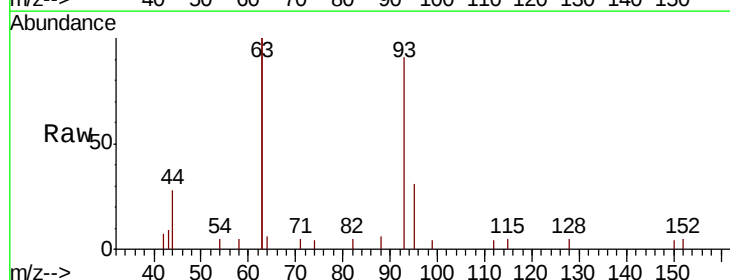
Tgt Ion: 93 Resp: 1917

Ion Ratio Lower Upper

93 100

63 267.4 201.0 301.4

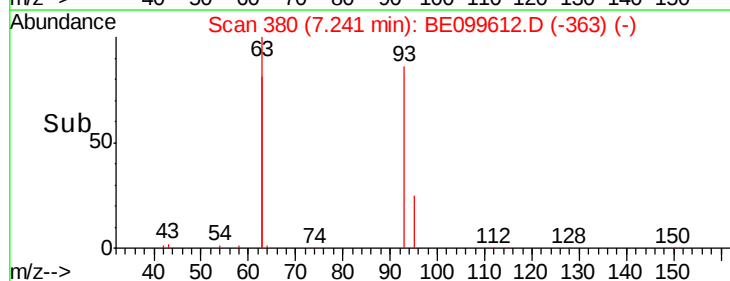
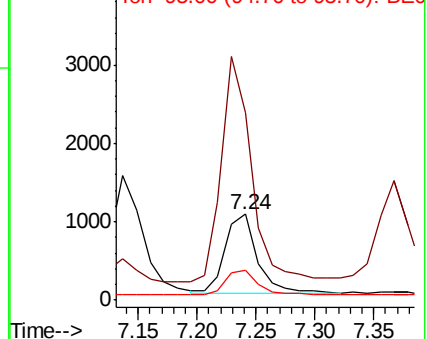
95 32.8 25.0 37.4



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: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

Tgt Ion:136 Resp: 5578

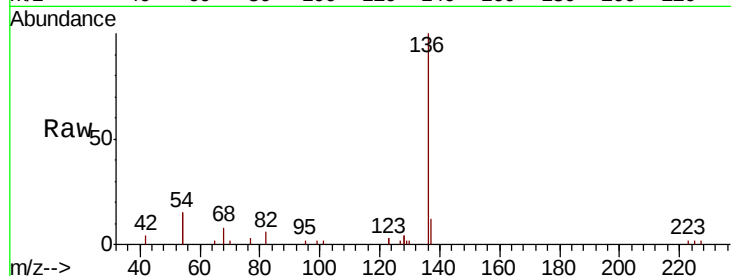
Ion Ratio Lower Upper

136 100

137 11.6 9.7 14.5

54 29.9 23.8 35.8

68 7.5 6.2 9.2

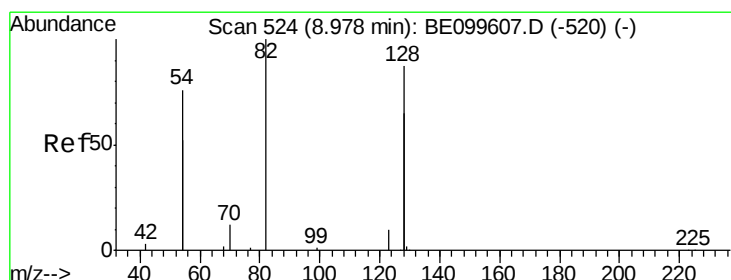
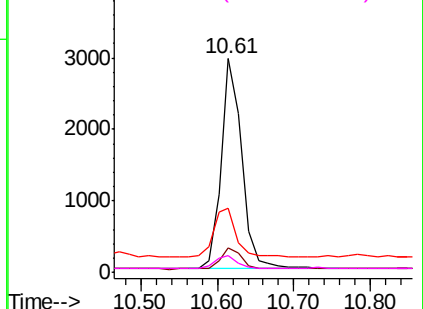
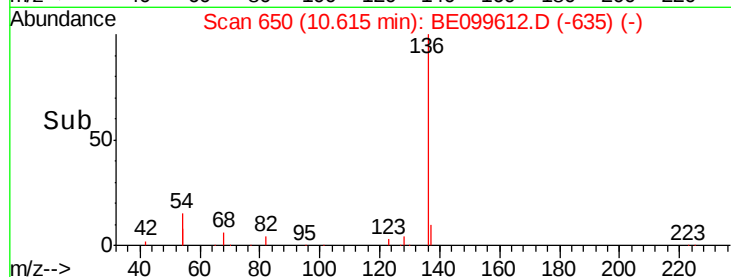


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.393 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

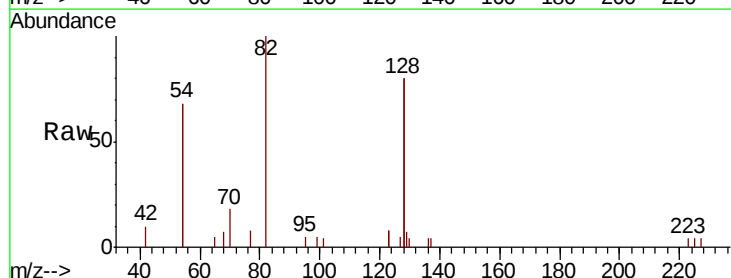
Tgt Ion: 82 Resp: 2125

Ion Ratio Lower Upper

82 100

128 160.7 131.4 197.2

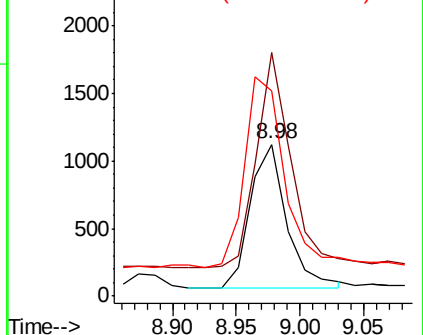
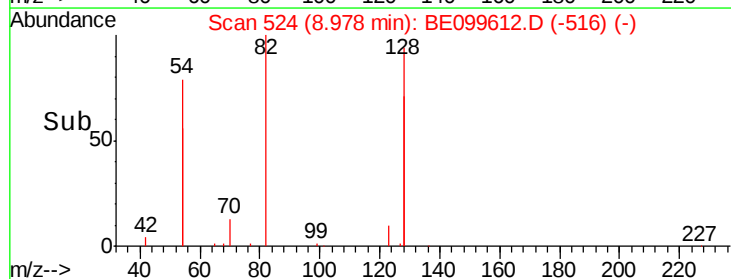
54 135.2 113.9 170.9



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

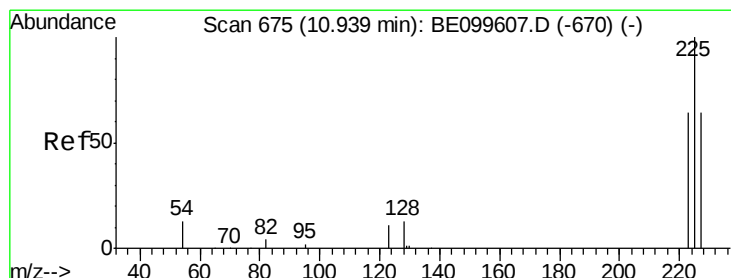
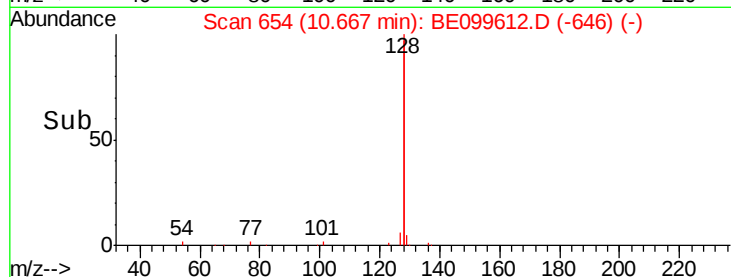
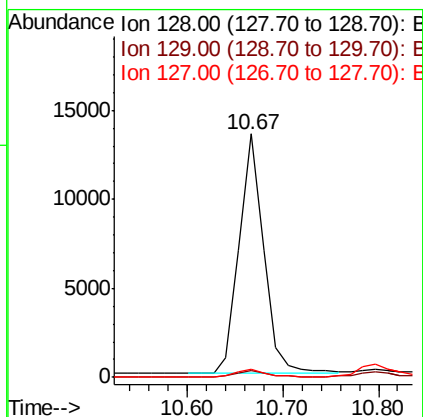
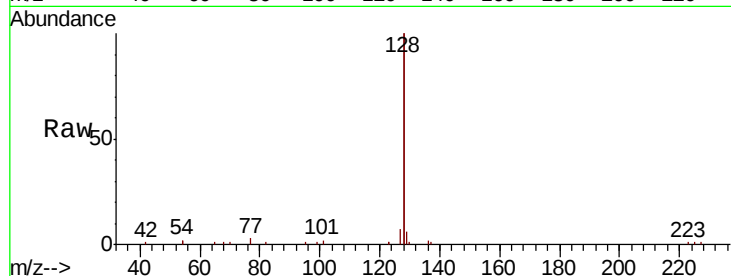




#9
Naphthalene
Concen: 0.404 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE099612.D
Acq: 14 May 2019 19:31

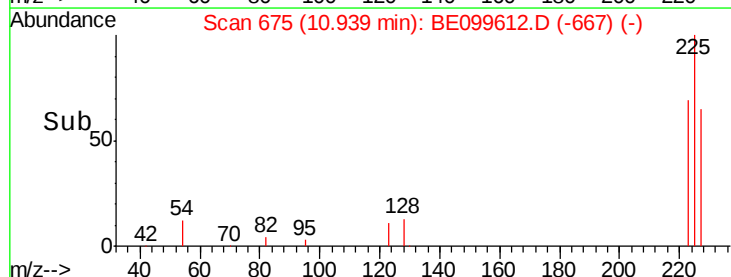
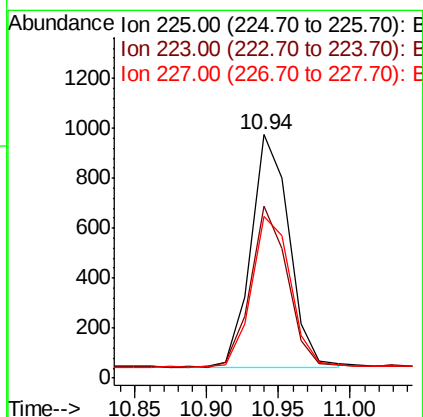
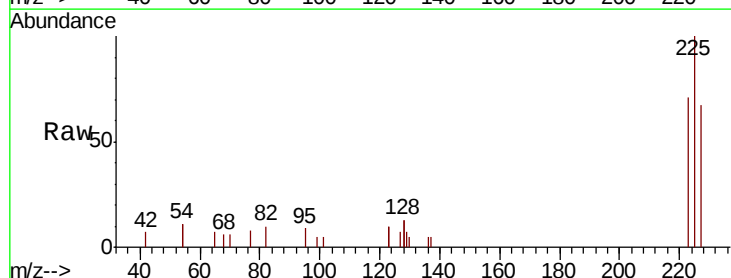
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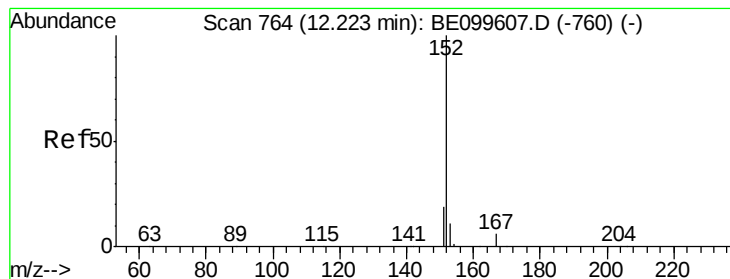
Tgt Ion:	128	Resp:	23987
Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	4.0
127	3.5	3.0	4.6



#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: BE099612.D
Acq: 14 May 2019 19:31

Tgt Ion:	225	Resp:	1713
Ion	Ratio	Lower	Upper
225	100		
223	66.6	49.8	74.8
227	66.7	51.2	76.8





#11

2-Methylnaphthalene-d10

Concen: 0.416 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

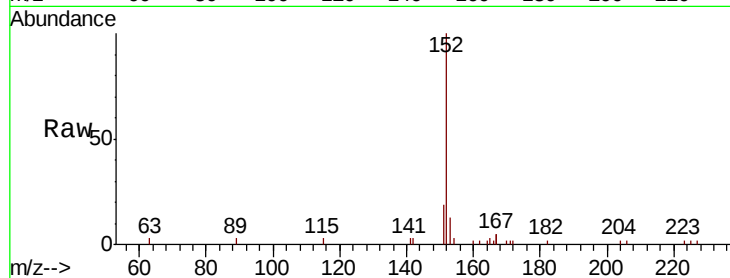
ICVBE051419

Tgt Ion:152 Resp: 3903

Ion Ratio Lower Upper

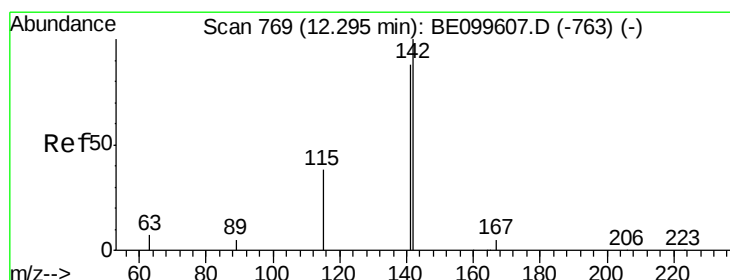
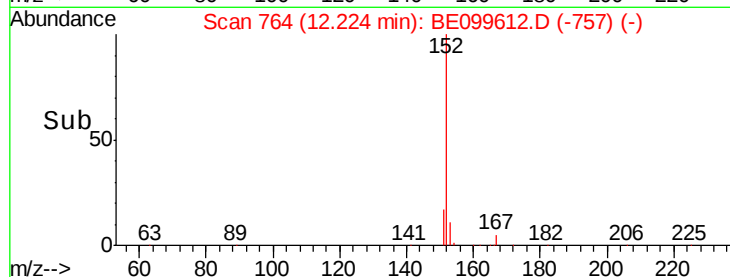
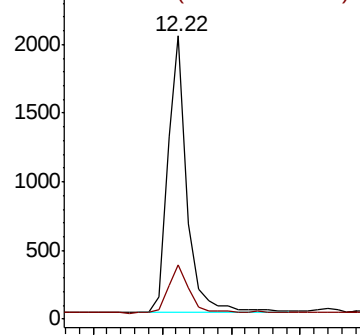
152 100

151 19.1 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.397 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

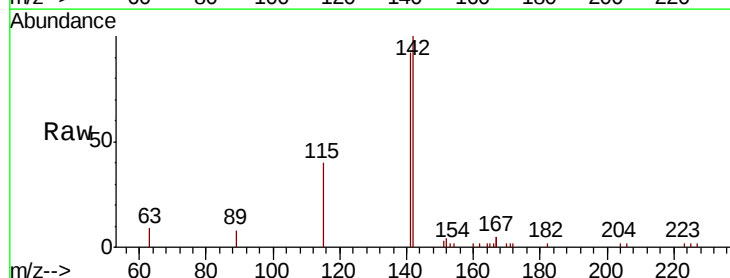
Tgt Ion:142 Resp: 3895

Ion Ratio Lower Upper

142 100

141 91.8 70.4 105.6

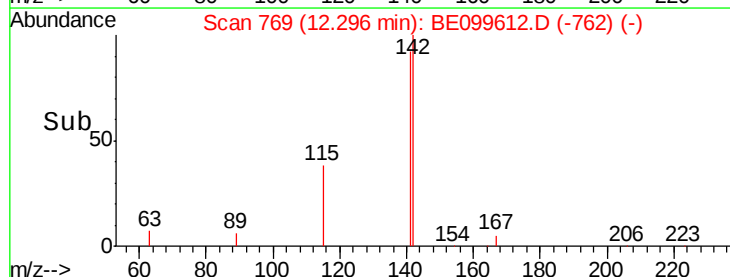
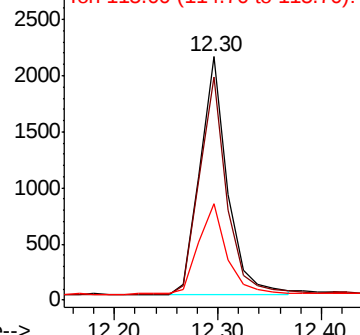
115 39.7 32.2 48.4

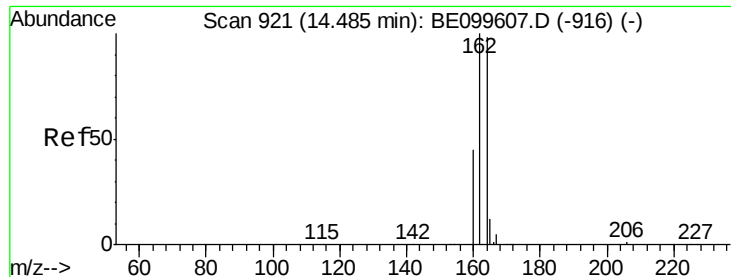


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

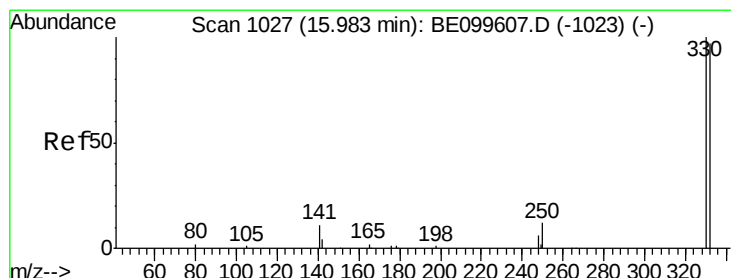
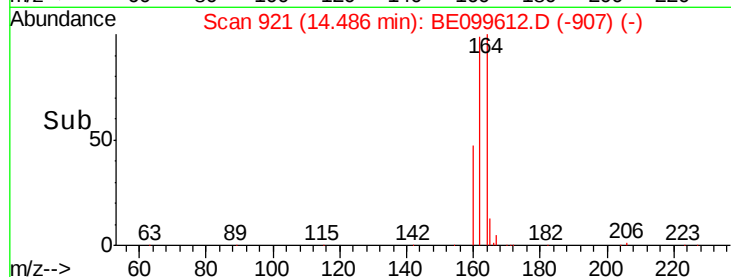
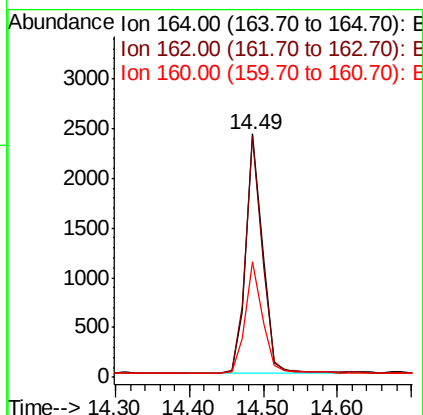
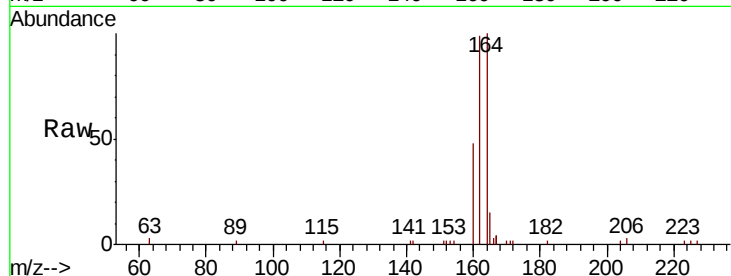




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: BE099612.D
 Acq: 14 May 2019 19:31

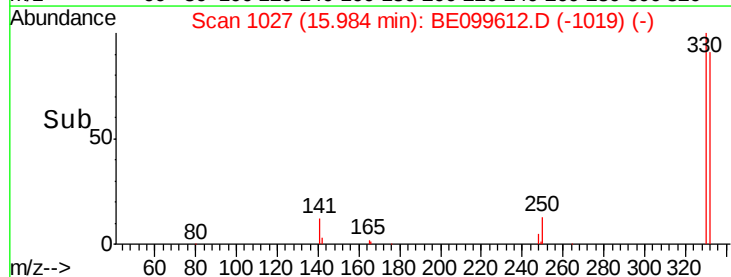
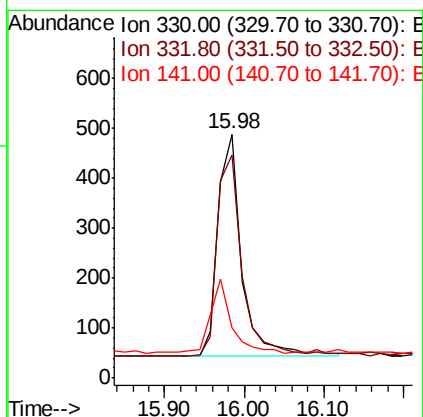
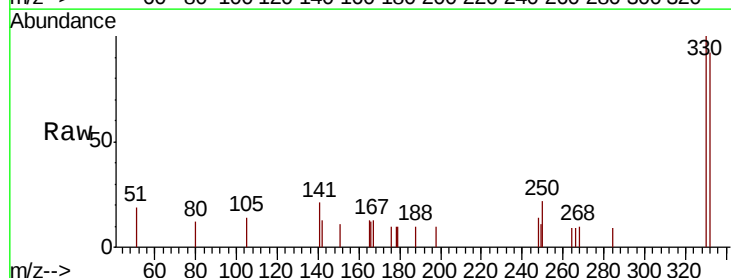
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE051419

Tgt Ion:164 Resp: 3764
 Ion Ratio Lower Upper
 164 100
 162 99.0 81.4 122.0
 160 47.6 37.4 56.2



#14
 2,4,6-Tribromophenol
 Concen: 0.362 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099612.D
 Acq: 14 May 2019 19:31

Tgt Ion:330 Resp: 931
 Ion Ratio Lower Upper
 330 100
 332 93.8 73.8 110.8
 141 27.7 21.0 31.6

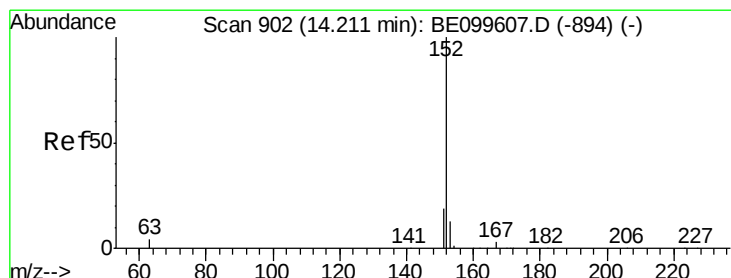
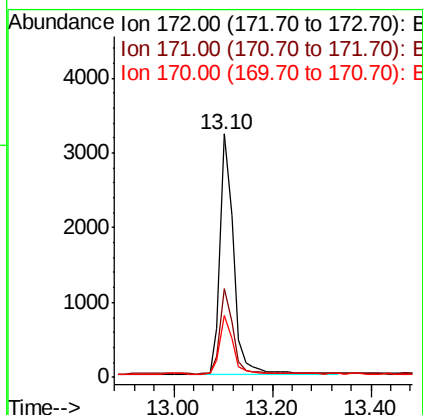
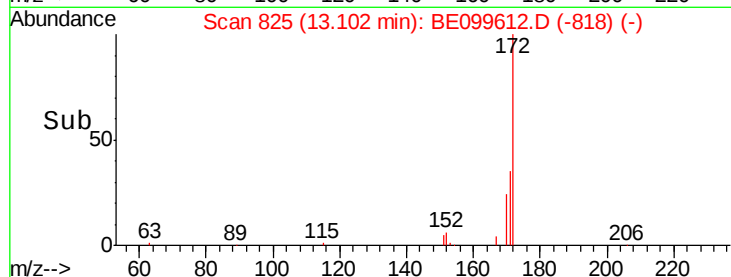
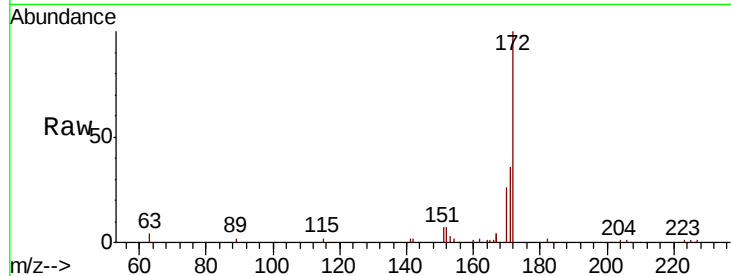




#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099612.D
Acq: 14 May 2019 19:31

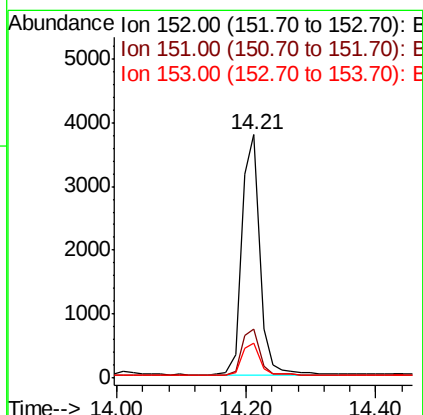
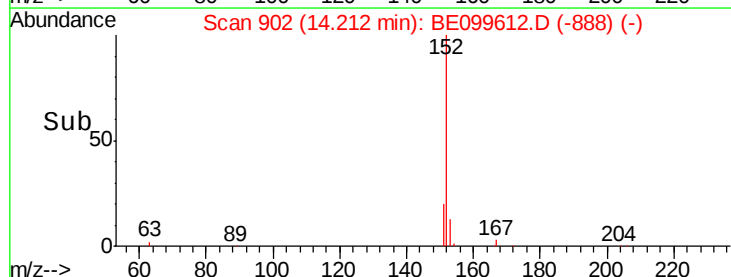
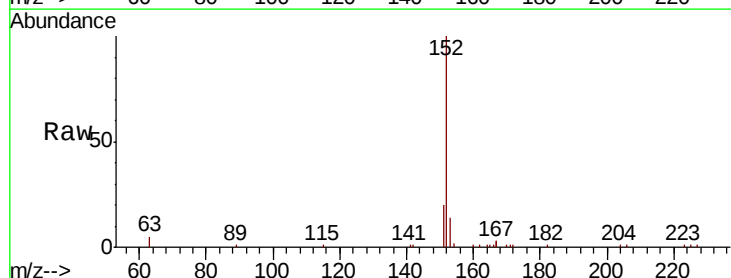
Instrument :
BNA_E
ClientSampleId :
ICVBE051419

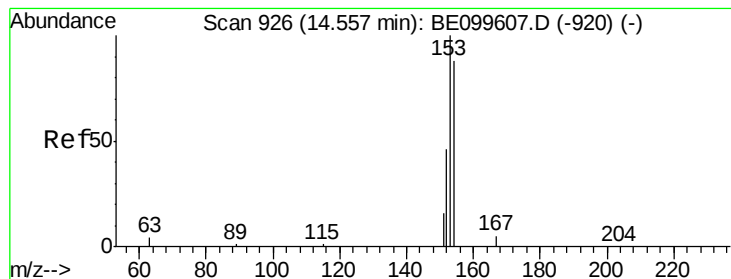
Tgt Ion:172 Resp: 5984
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.2
170 25.6 21.5 32.3



#16
Acenaphthylene
Concen: 0.405 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099612.D
Acq: 14 May 2019 19:31

Tgt Ion:152 Resp: 7205
Ion Ratio Lower Upper
152 100
151 19.6 15.6 23.4
153 13.7 10.4 15.6





#17

Acenaphthene

Concen: 0.410 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

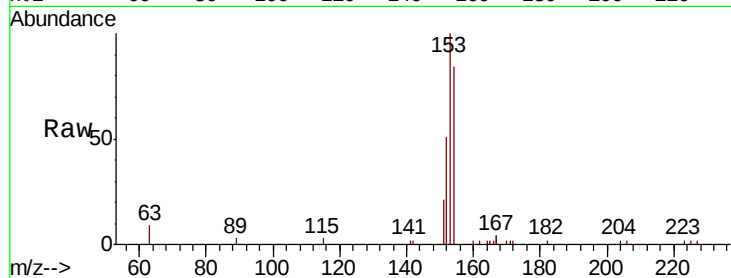
Tgt Ion:154 Resp: 4111

Ion Ratio Lower Upper

154 100

153 116.9 94.1 141.1

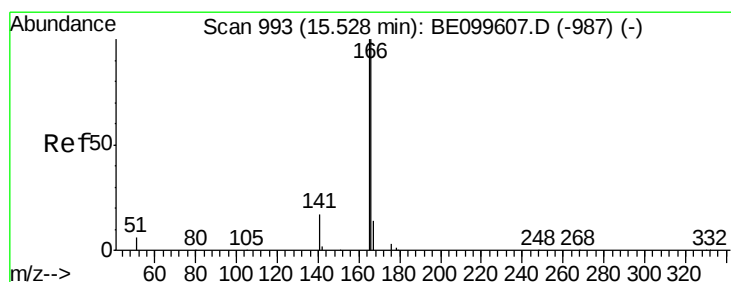
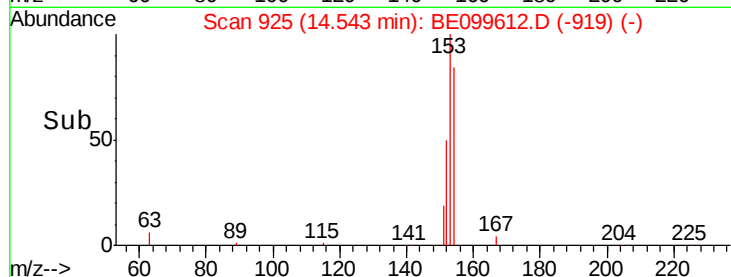
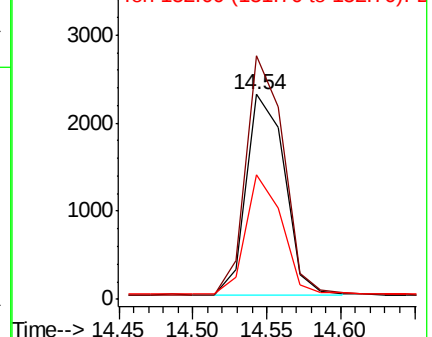
152 56.3 46.5 69.7



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: 0.404 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

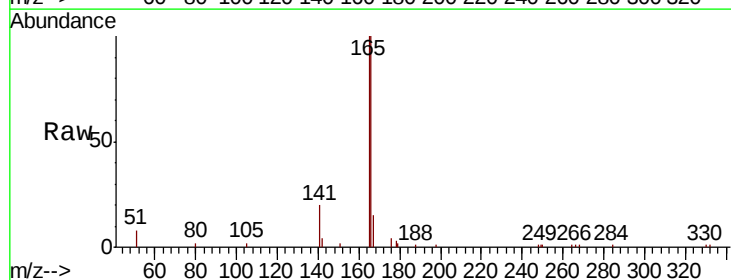
Tgt Ion:166 Resp: 5812

Ion Ratio Lower Upper

166 100

165 99.9 79.8 119.8

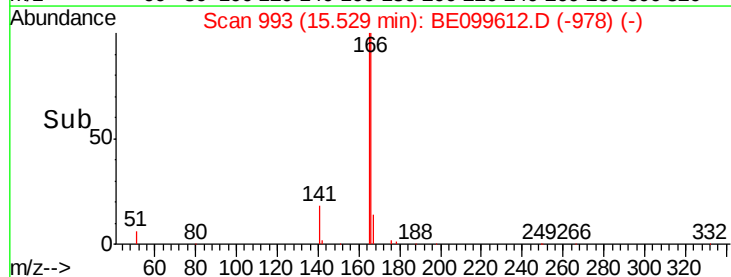
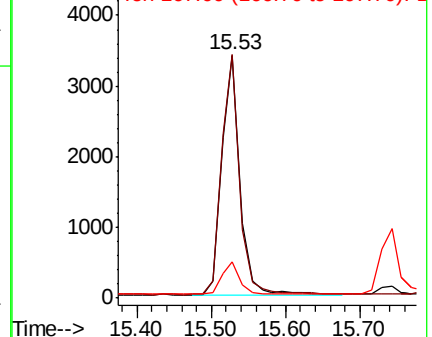
167 13.6 11.2 16.8

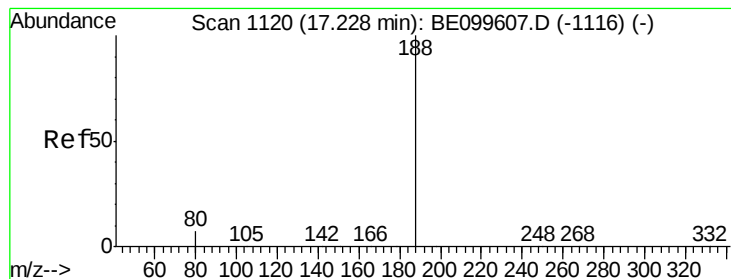


Abundance Ion 166.00 (165.70 to 166.70): E

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. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

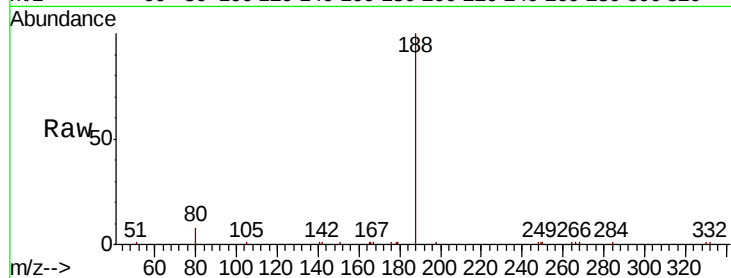
Tgt Ion:188 Resp: 10752

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

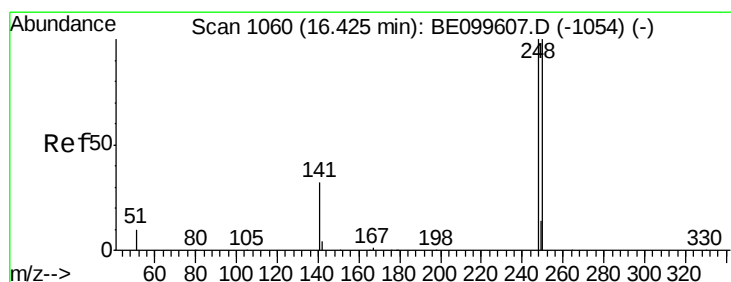
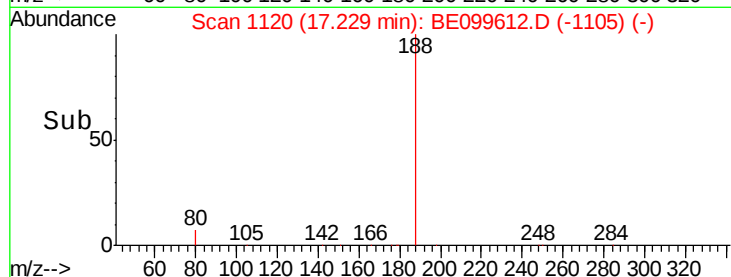
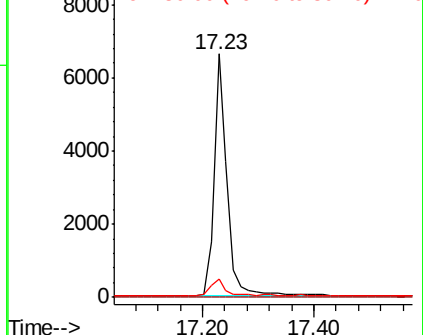
80 7.6 6.4 9.6



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: 0.394 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

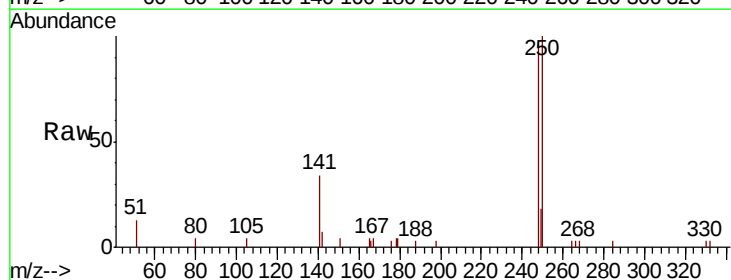
Tgt Ion:248 Resp: 2442

Ion Ratio Lower Upper

248 100

250 103.2 80.4 120.6

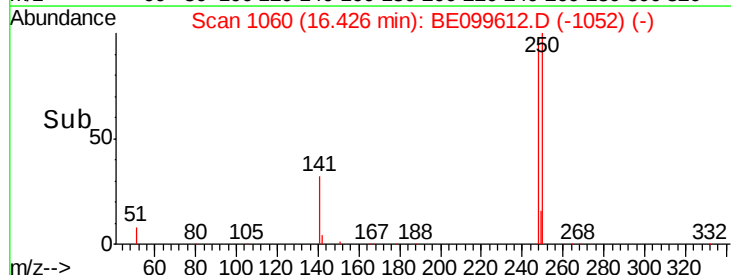
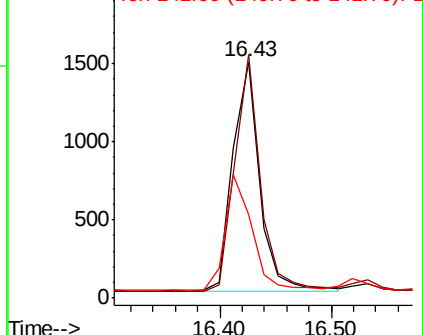
141 35.3 27.8 41.8

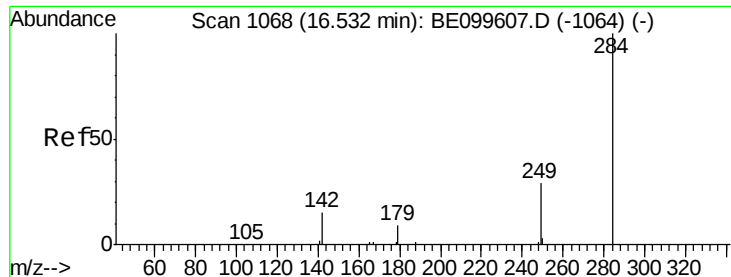


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.397 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

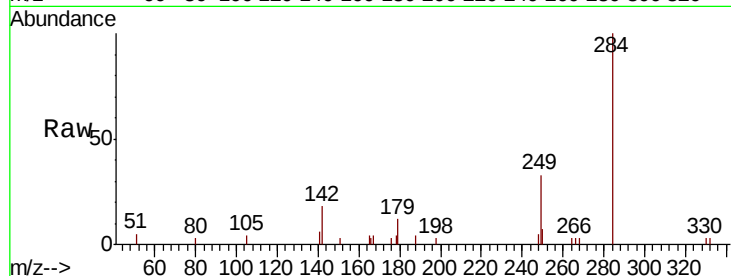
Tgt Ion:284 Resp: 2419

Ion Ratio Lower Upper

284 100

142 26.9 19.4 29.2

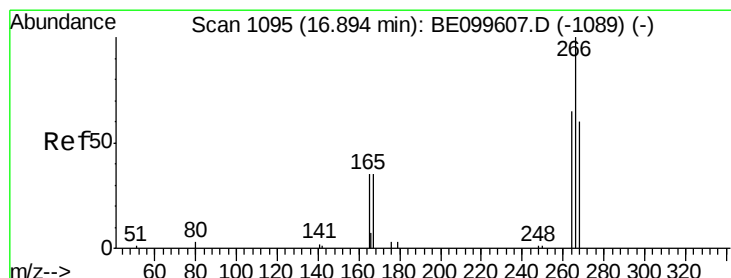
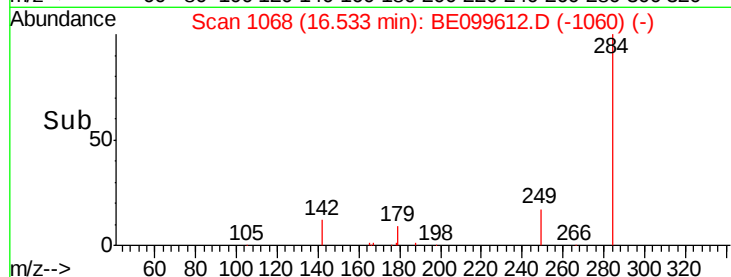
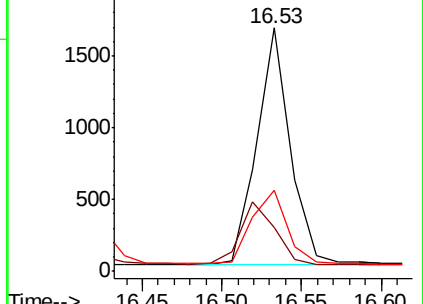
249 32.7 24.6 37.0



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: 0.452 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

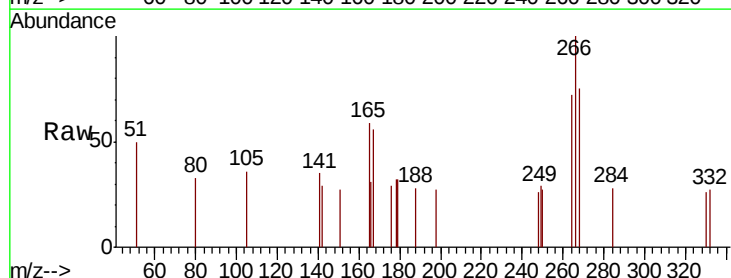
Tgt Ion:266 Resp: 628

Ion Ratio Lower Upper

266 100

264 71.9 57.7 86.5

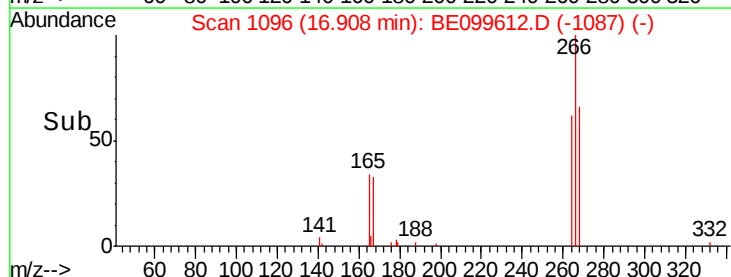
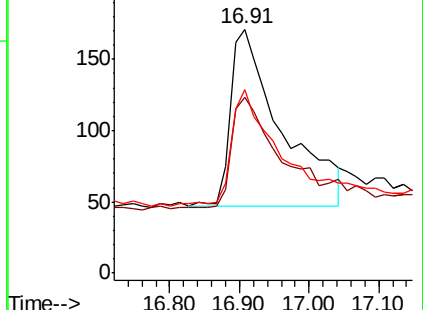
268 75.4 55.8 83.8

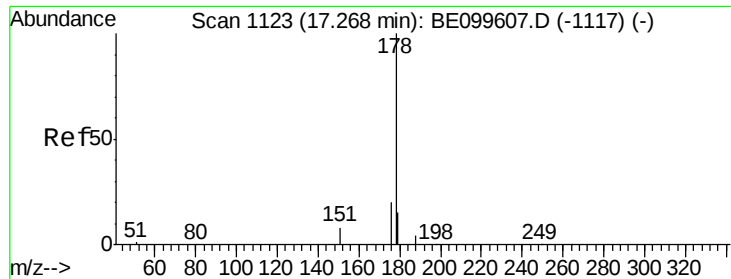


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.397 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

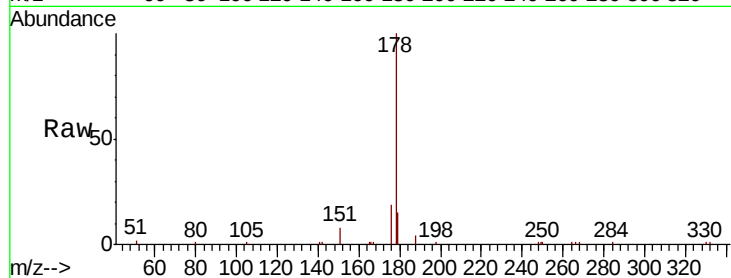
Tgt Ion:178 Resp: 10590

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

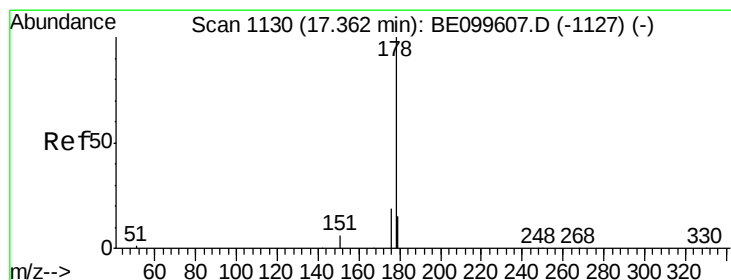
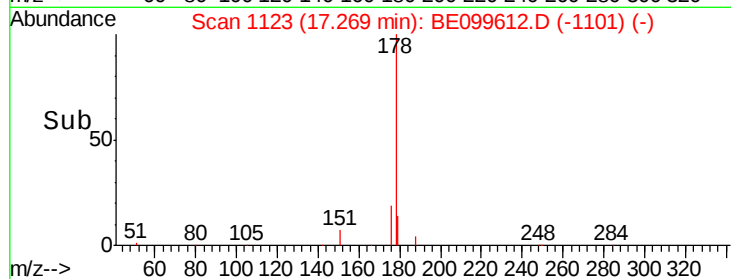
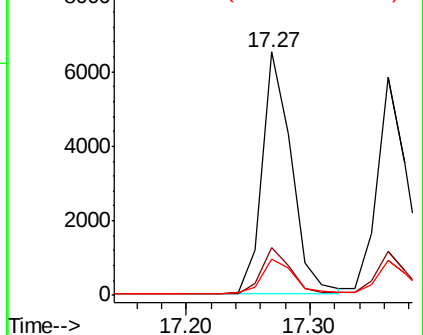
179 15.1 12.2 18.2



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: 0.389 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

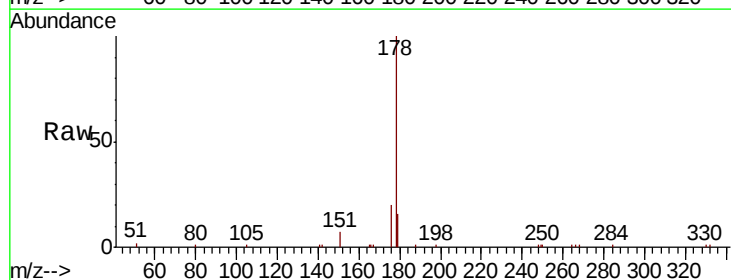
Tgt Ion:178 Resp: 9586

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

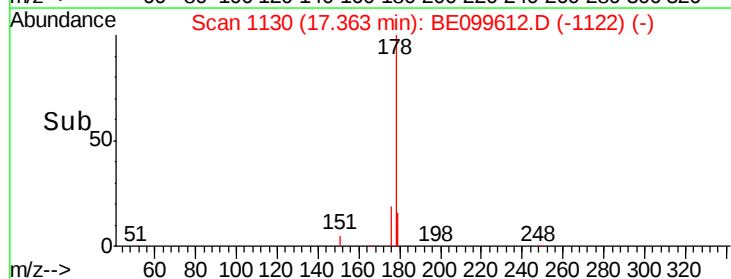
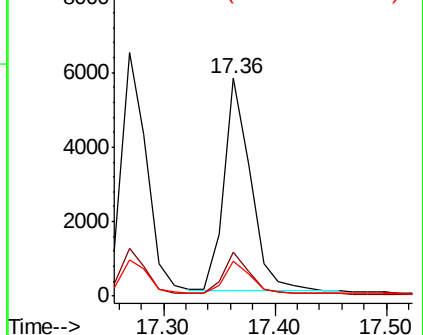
179 15.0 12.1 18.1



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: 0.398 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

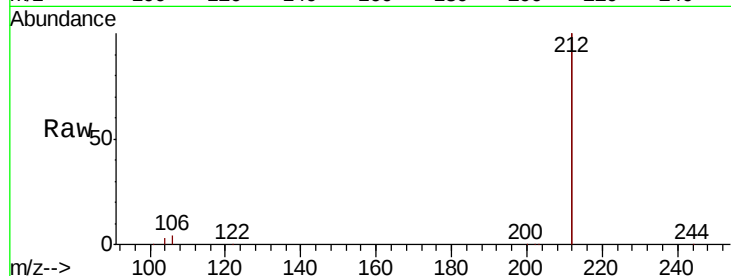
Tgt Ion:212 Resp: 56970

Ion Ratio Lower Upper

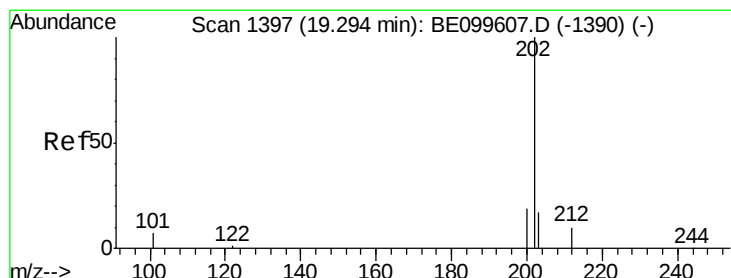
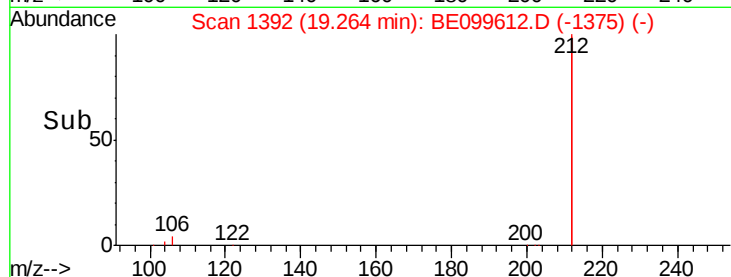
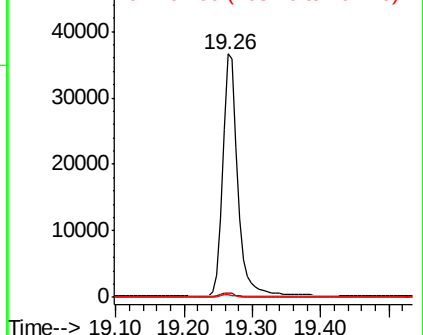
212 100

106 1.8 1.4 2.2

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



#26

Fluoranthene

Concen: 0.399 ng

RT: 19.30 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

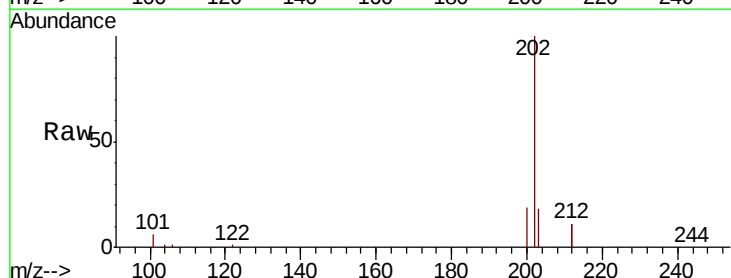
Tgt Ion:202 Resp: 16098

Ion Ratio Lower Upper

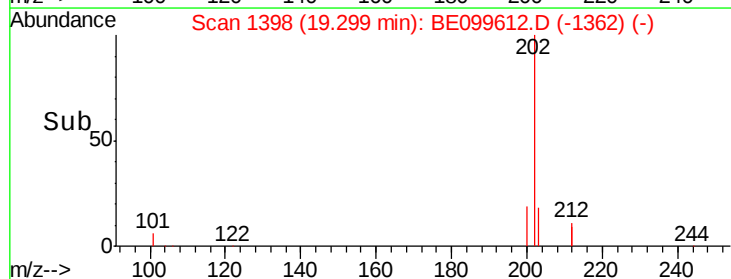
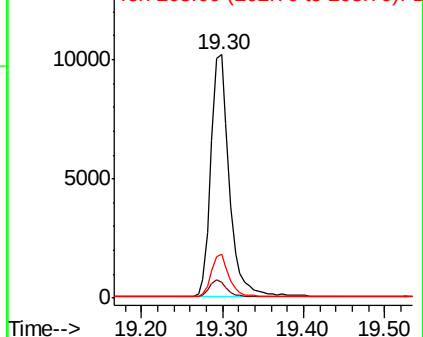
202 100

101 6.5 5.0 7.6

203 17.4 13.7 20.5



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

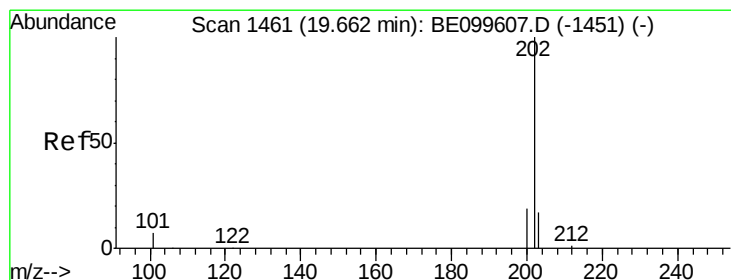
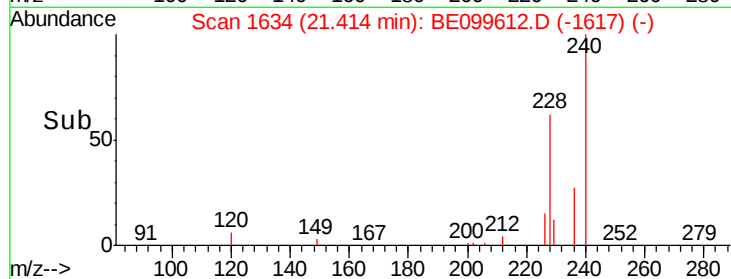
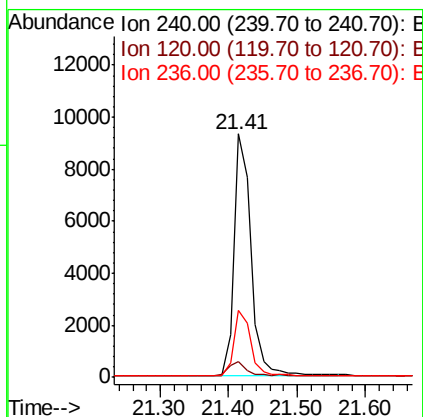
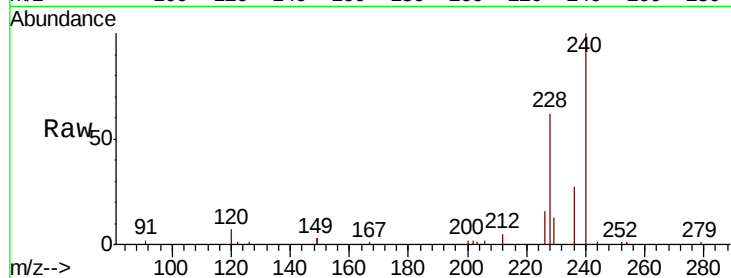




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099612.D
 Acq: 14 May 2019 19:31

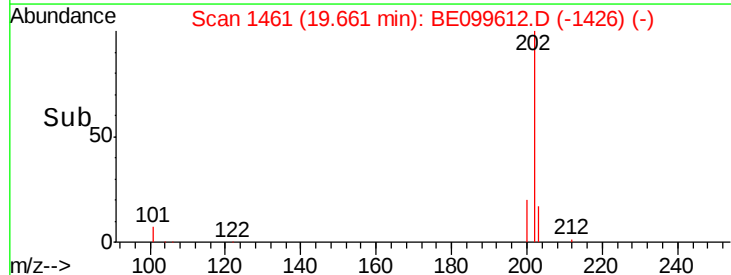
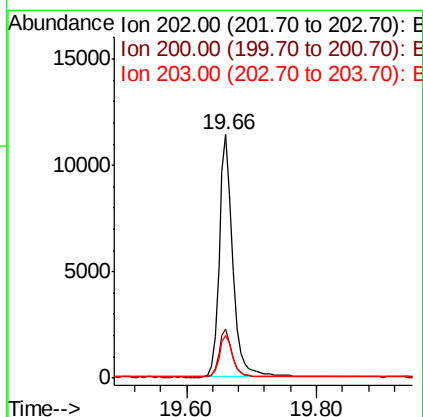
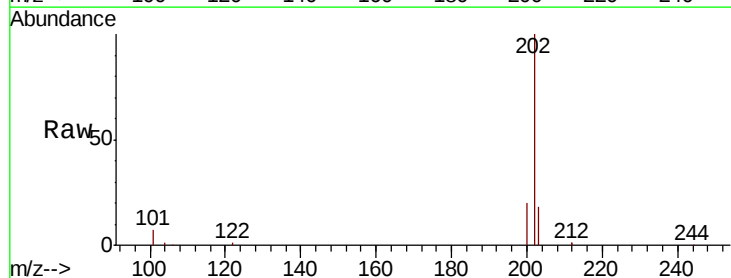
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE051419

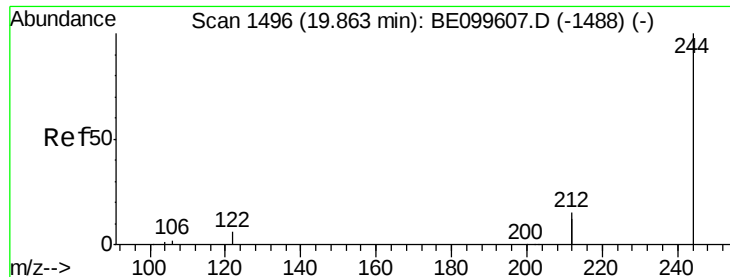
Tgt Ion:240 Resp: 16055
 Ion Ratio Lower Upper
 240 100
 120 6.7 5.7 8.5
 236 27.3 22.8 34.2



#28
 Pyrene
 Concen: 0.408 ng
 RT: 19.66 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: BE099612.D
 Acq: 14 May 2019 19:31

Tgt Ion:202 Resp: 16715
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.8 23.6
 203 17.5 14.1 21.1





#29

Terphenyl-d14

Concen: 0.399 ng

RT: 19.87 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

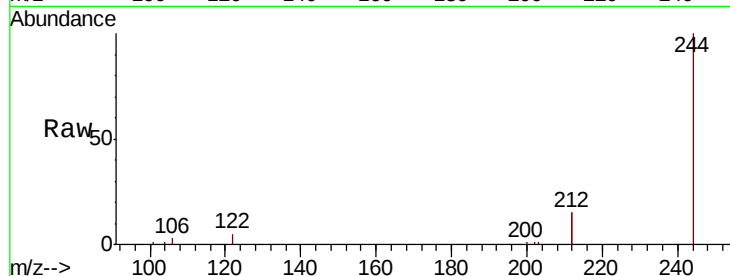
Tgt Ion:244 Resp: 11533

Ion Ratio Lower Upper

244 100

212 29.6 23.8 35.6

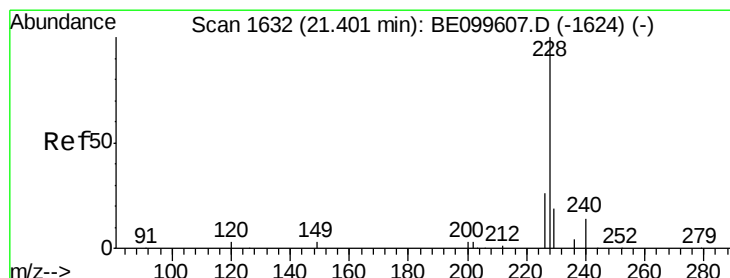
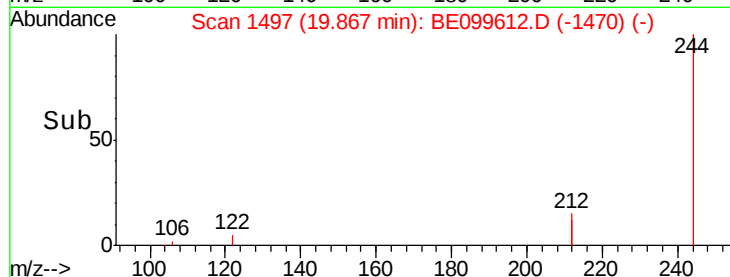
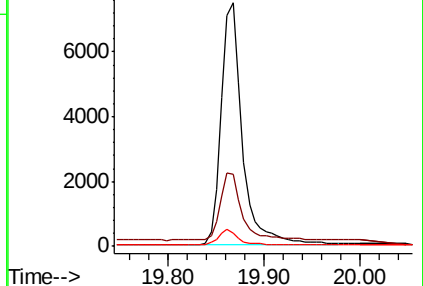
122 5.4 5.0 7.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.393 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

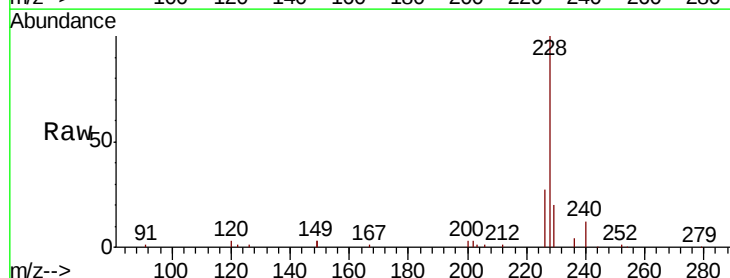
Tgt Ion:228 Resp: 19080

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.2

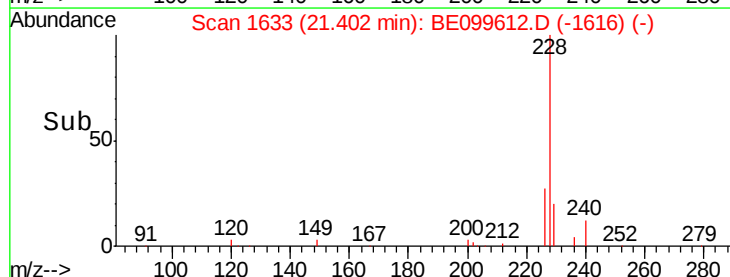
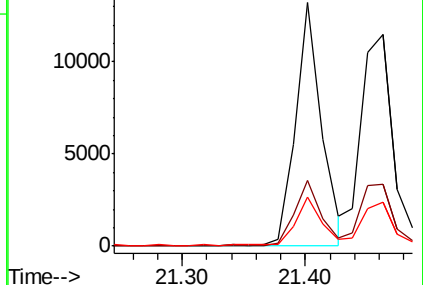
229 19.9 15.8 23.8

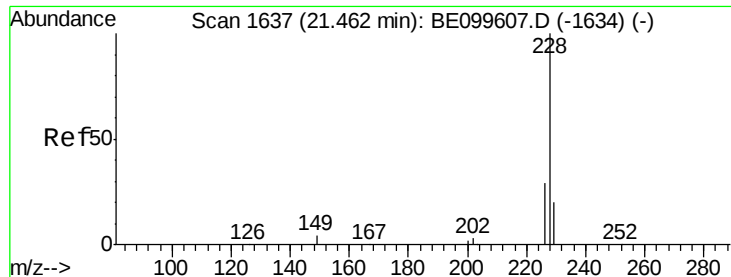


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.406 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

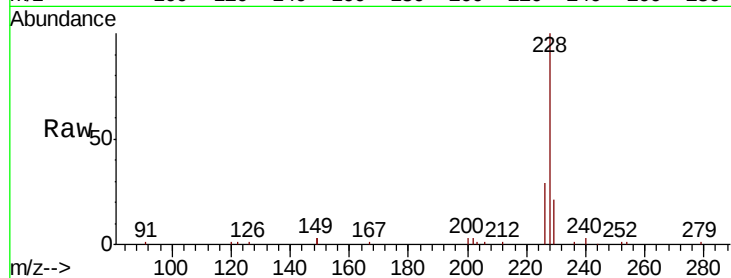
Tgt Ion: 228 Resp: 20304

Ion Ratio Lower Upper

228 100

226 29.0 23.0 34.4

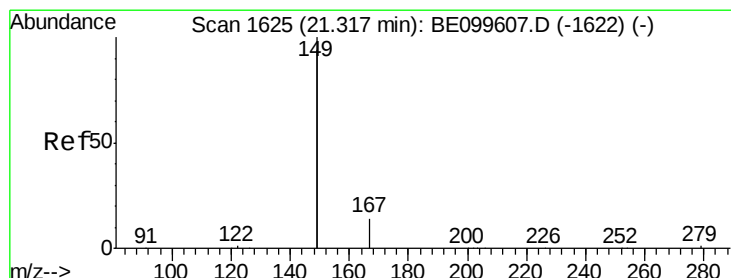
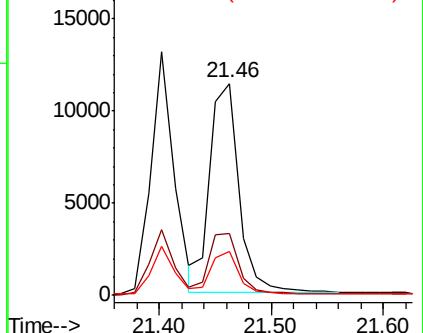
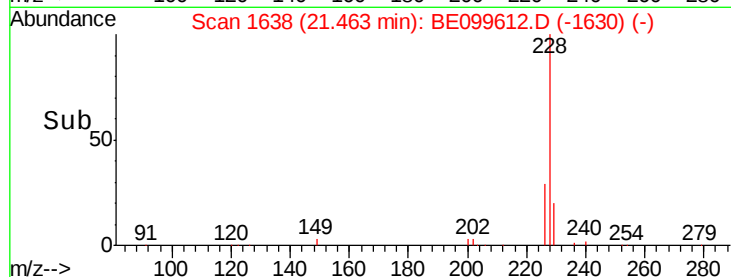
229 20.6 16.4 24.6



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: 0.375 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

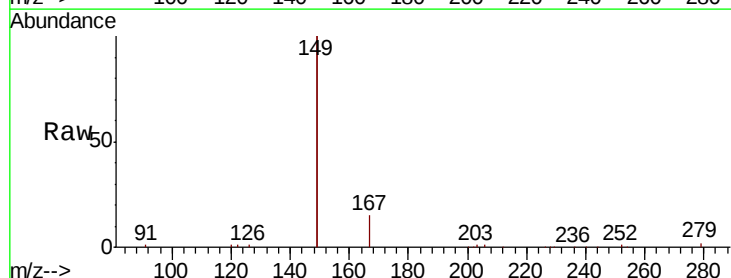
Tgt Ion: 149 Resp: 28040

Ion Ratio Lower Upper

149 100

167 7.5 6.0 9.0

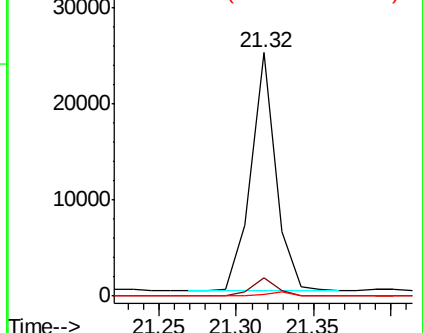
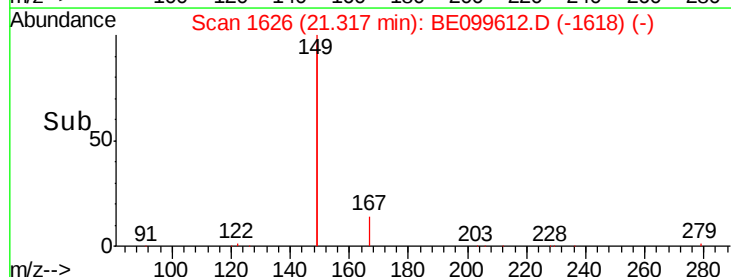
279 1.6 1.1 1.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.398 ng

RT: 26.65 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

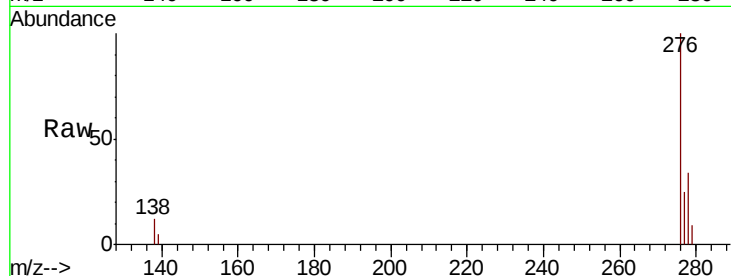
Tgt Ion:276 Resp: 24780

Ion Ratio Lower Upper

276 100

138 12.6 10.0 15.0

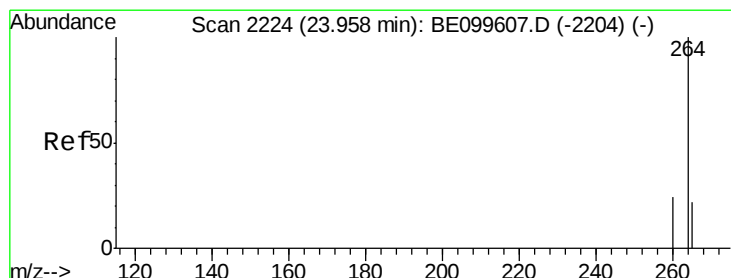
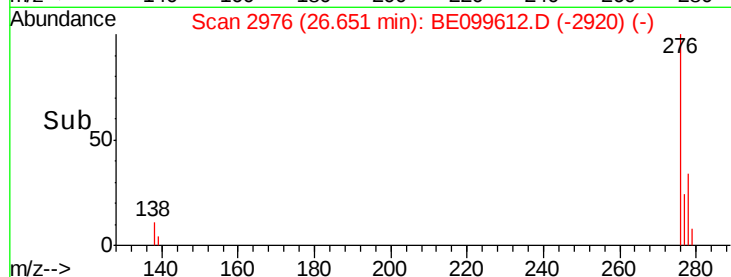
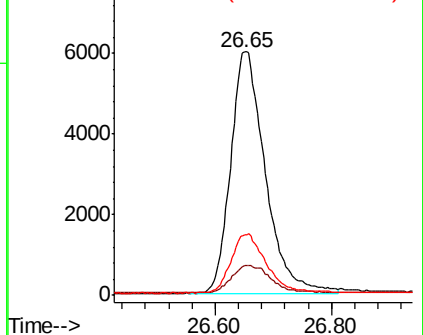
277 24.5 19.1 28.7



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: 23.96 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

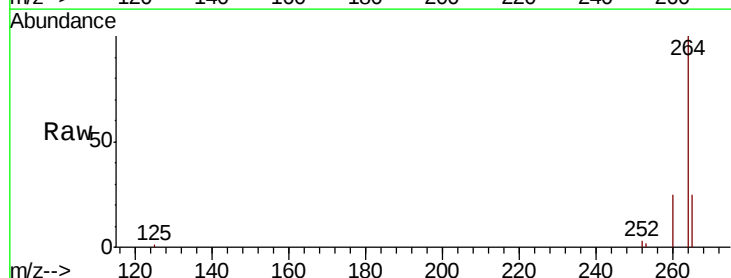
Tgt Ion:264 Resp: 17992

Ion Ratio Lower Upper

264 100

260 25.3 19.7 29.5

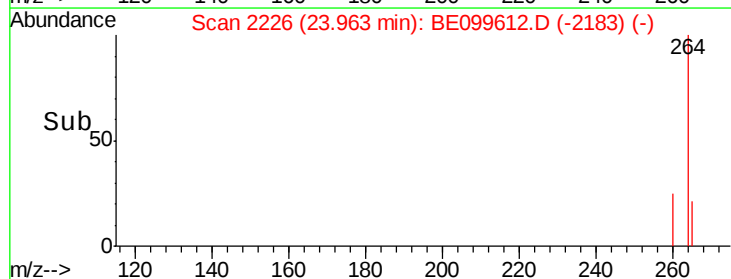
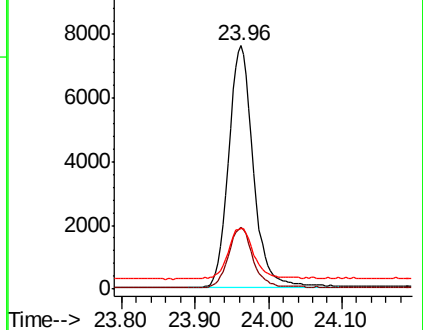
265 25.1 21.2 31.8



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: 0.402 ng

RT: 23.17 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

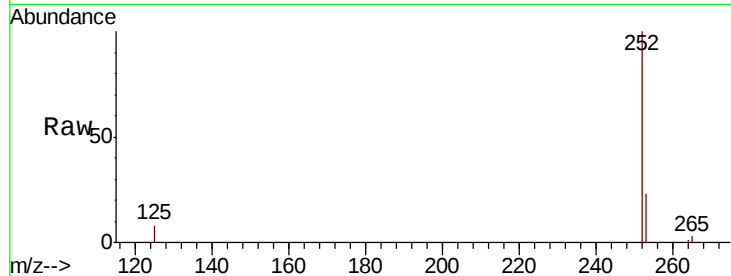
Tgt Ion:252 Resp: 20230

Ion Ratio Lower Upper

252 100

253 23.1 19.1 28.7

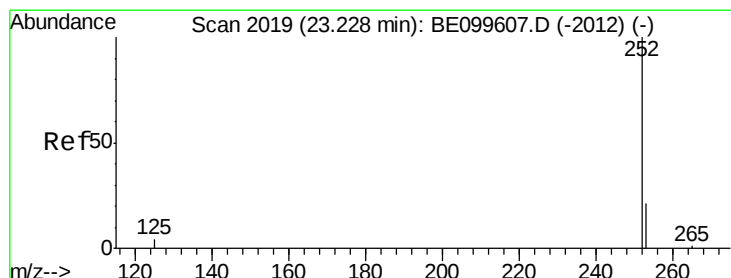
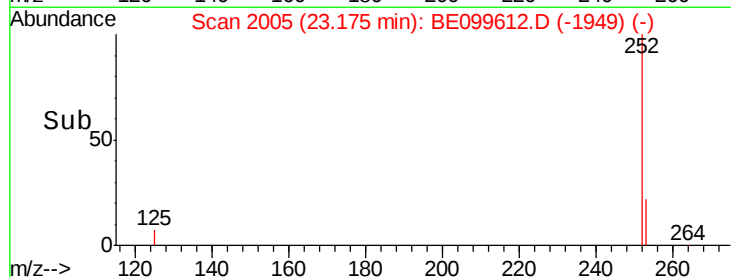
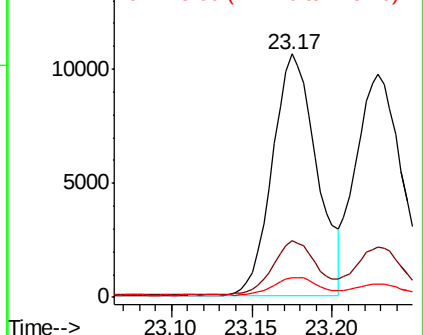
125 8.1 7.8 11.8



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: 0.407 ng

RT: 23.23 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

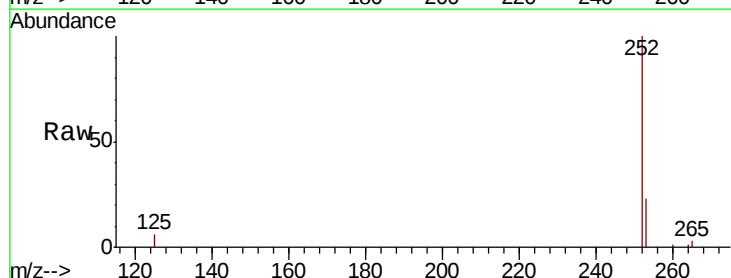
Tgt Ion:252 Resp: 20196

Ion Ratio Lower Upper

252 100

253 22.8 18.6 28.0

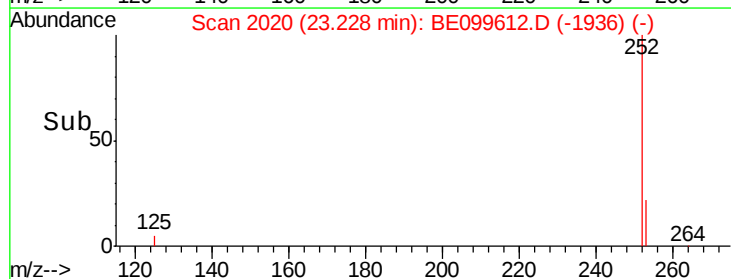
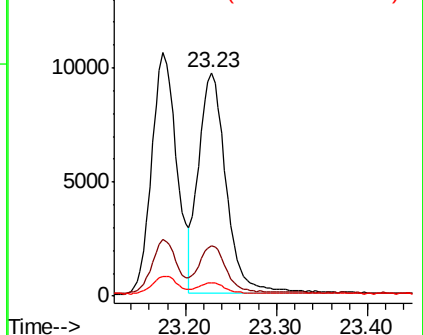
125 6.0 5.2 7.8



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: 0.400 ng

RT: 23.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419

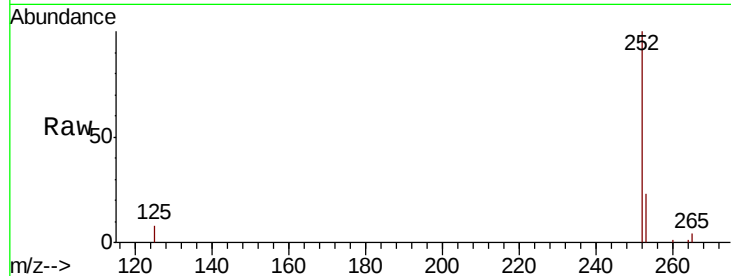
Tgt Ion:252 Resp: 19513

Ion Ratio Lower Upper

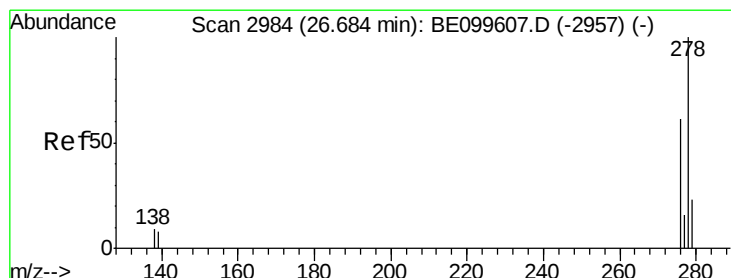
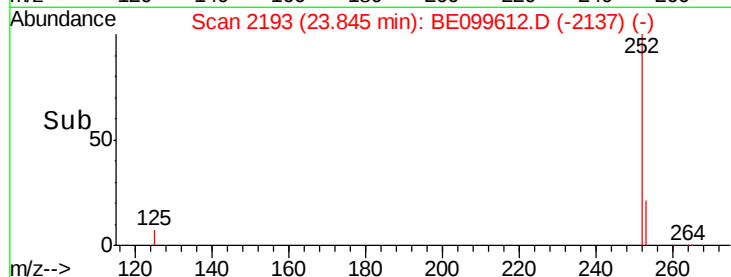
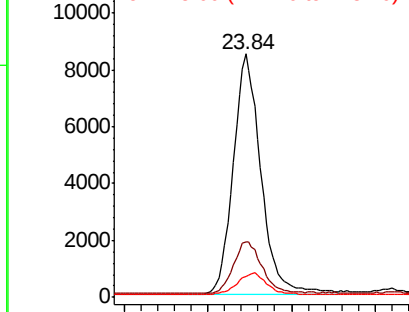
252 100

253 22.6 19.0 28.6

125 8.5 8.8 13.2#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.396 ng

RT: 26.68 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BE099612.D

Acq: 14 May 2019 19:31

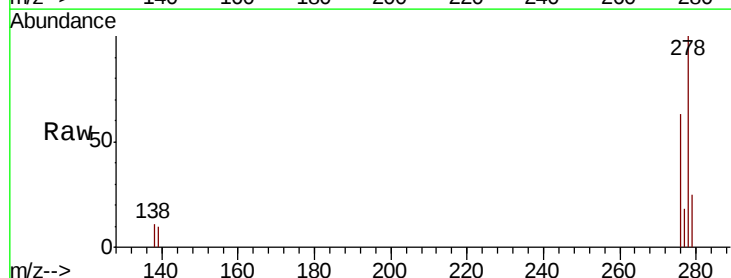
Tgt Ion:278 Resp: 20013

Ion Ratio Lower Upper

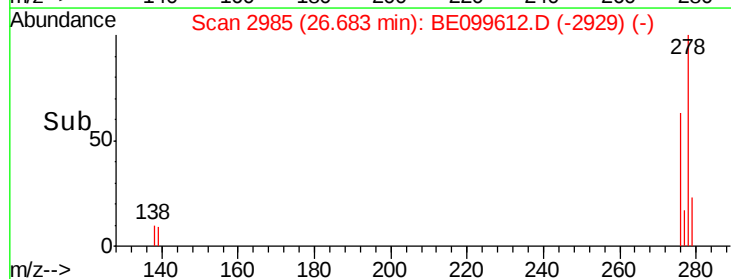
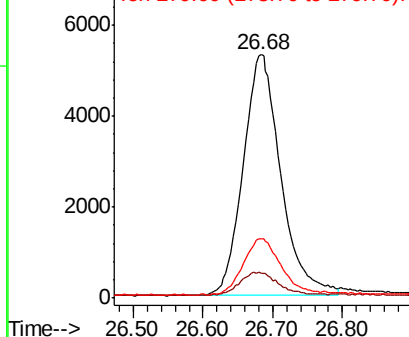
278 100

139 10.3 7.9 11.9

279 24.5 19.5 29.3



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(g,h,i)perylene

Concen: 0.407 ng

RT: 27.49 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE099612.D

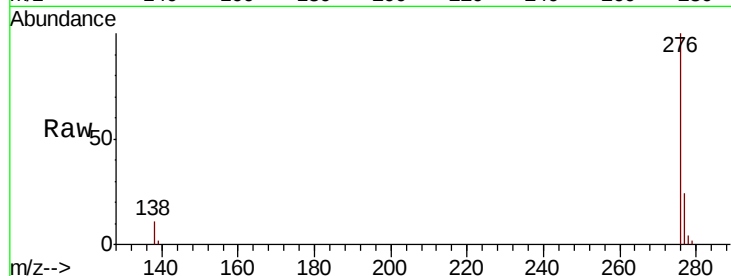
Acq: 14 May 2019 19:31

Instrument :

BNA_E

ClientSampleId :

ICVBE051419



Tgt Ion: 276 Resp: 20696

Ion Ratio Lower Upper

276 100

277 23.6 19.3 28.9

138 11.0 9.1 13.7

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

