

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052319\
 Data File : BE099731.D
 Acq On : 23 May 2019 13:19
 Operator : JU/SJ
 Sample : PB119660BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB119960BS

Quant Time: May 23 15:07:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1762	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	5845	0.40	ng	0.01
13) Acenaphthene-d10	14.49	164	3611	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10030	0.40	ng	0.00
27) Chrysene-d12	21.41	240	17691	0.40	ng	0.00
34) Perylene-d12	23.95	264	21613	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1712	0.38	ng	0.00
5) Phenol-d6	6.98	99	2199	0.37	ng	0.00
8) Nitrobenzene-d5	8.98	82	1931	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	4452	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	870	0.45	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4728	0.35	ng	0.00
25) Fluoranthene-d10	19.26	212	47846	0.35	ng	0.00
29) Terphenyl-d14	19.86	244	10869	0.34	ng	-0.01

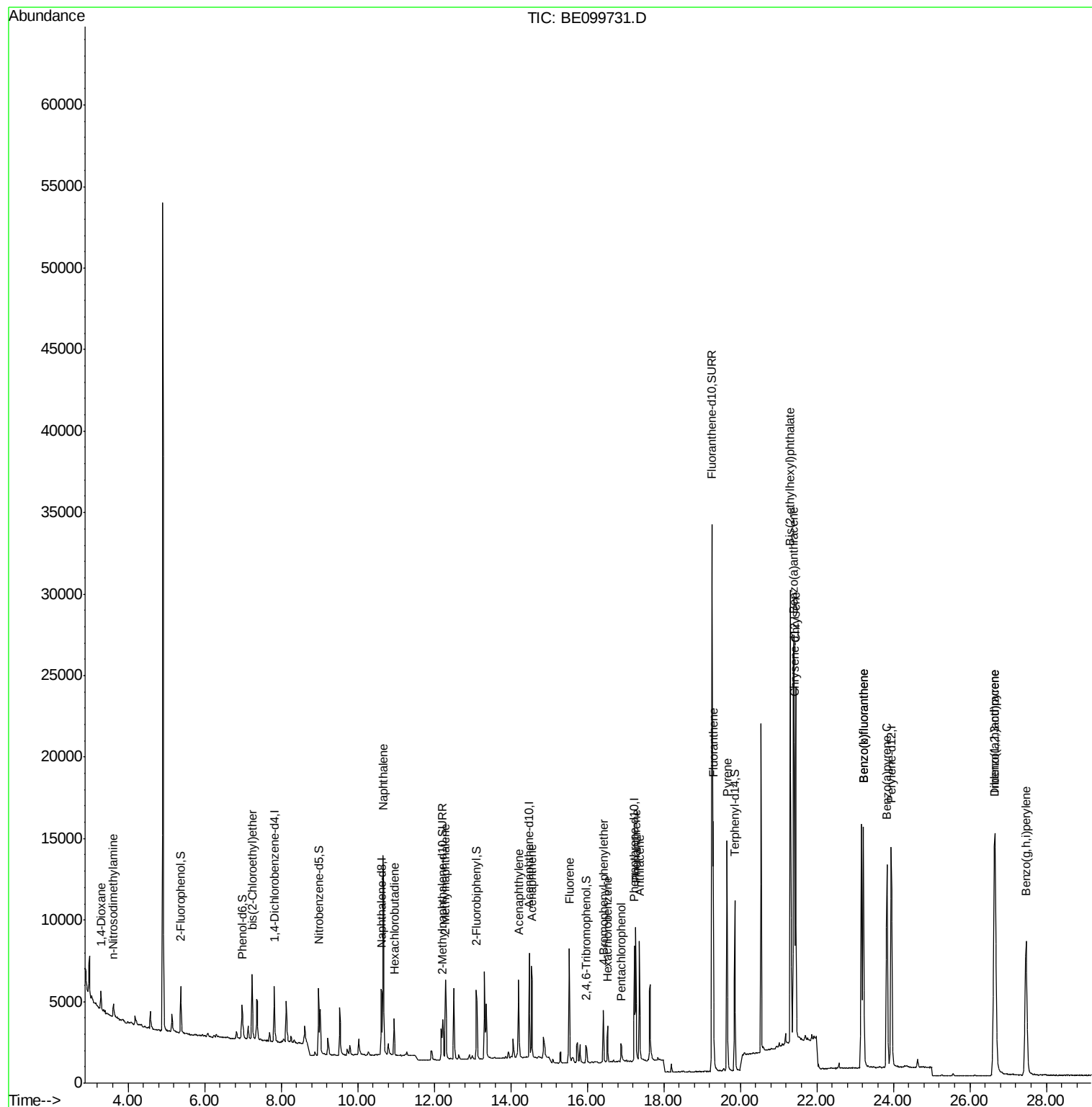
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	799	0.306	ng	# 33
3) n-Nitrosodimethylamine	3.61	42	621	0.431	ng	# 98
6) bis(2-Chloroethyl)ether	7.24	93	1821	0.347	ng	95
9) Naphthalene	10.67	128	21873	0.350	ng	100
10) Hexachlorobutadiene	10.95	225	1598	0.347	ng	96
12) 2-Methylnaphthalene	12.30	142	3579	0.351	ng	97
16) Acenaphthylene	14.21	152	6065	0.360	ng	99
17) Acenaphthene	14.54	154	3410	0.361	ng	98
18) Fluorene	15.53	166	4800	0.345	ng	97
20) 4-Bromophenyl-phenylether	16.42	248	2092	0.362	ng	98
21) Hexachlorobenzene	16.53	284	2054	0.347	ng	100
22) Pentachlorophenol	16.89	266	994	0.705	ng	87
23) Phenanthrene	17.27	178	8590	0.350	ng	99
24) Anthracene	17.36	178	8274	0.372	ng	100
26) Fluoranthene	19.29	202	14025	0.362	ng	99
28) Pyrene	19.65	202	14870	0.335	ng	99
30) Benzo(a)anthracene	21.39	228	21716	0.432	ng	98
31) Chrysene	21.45	228	20502	0.381	ng	97
32) Bis(2-ethylhexyl)phthalate	21.30	149	31924	0.551	ng	99
33) Indeno(1,2,3-cd)pyrene	26.64	276	26866	0.414	ng	99
35) Benzo(b)fluoranthene	23.22	252	22924	0.387	ng	100
36) Benzo(k)fluoranthene	23.22	252	22924	0.371	ng	99
37) Benzo(a)pyrene	23.83	252	21926	0.385	ng	# 99
38) Dibenzo(a,h)anthracene	26.67	278	22377	0.374	ng	99
39) Benzo(g,h,i)perylene	27.47	276	22611	0.374	ng	99

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

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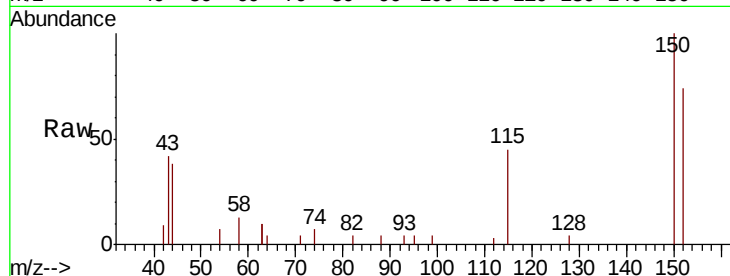


#1

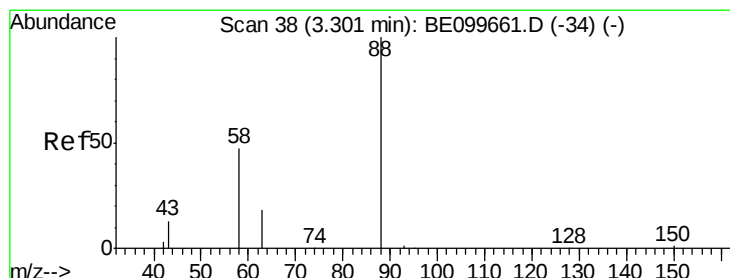
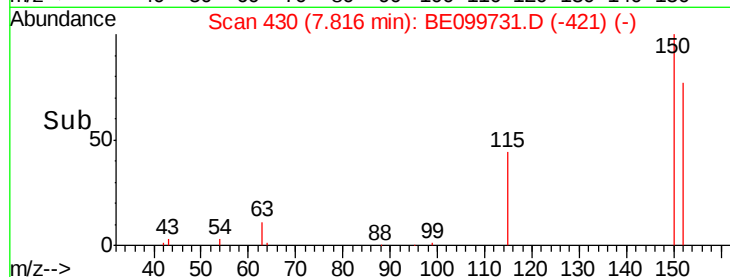
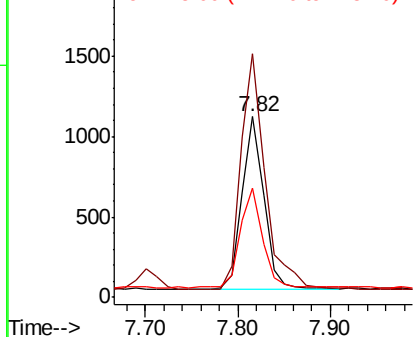
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099731.D
Acq: 23 May 2019 13:19

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tot Ion:152 Resp: 1762
Ion Ratio Lower Upper
152 100
150 134.6 109.2 163.8
115 60.2 43.7 65.5



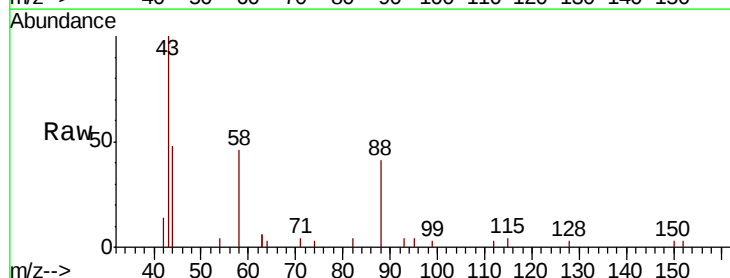
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



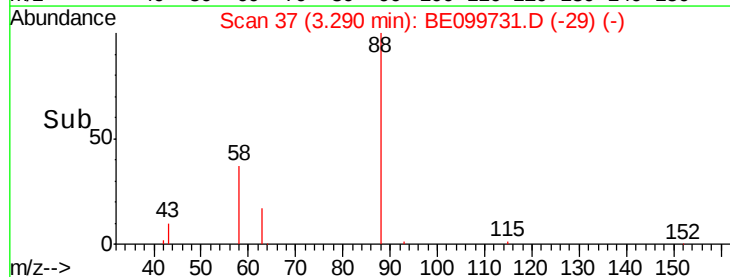
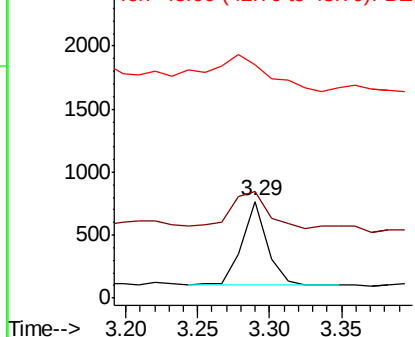
#2

1,4-Dioxane
Concen: 0.306 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099731.D
Acq: 23 May 2019 13:19

Tgt Ion: 88 Resp: 799
Ion Ratio Lower Upper
88 100
58 65.6 41.8 62.8#
43 108.8 15.0 22.4#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.431 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

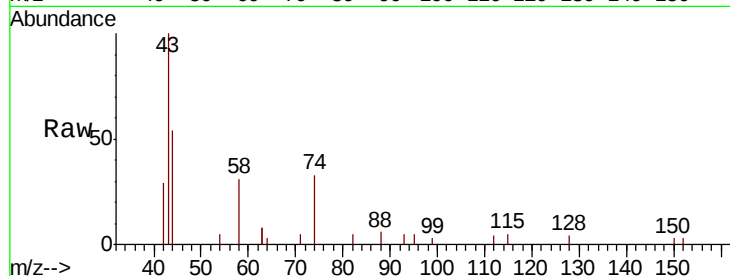
Tot Ion: 42 Resp: 621

Ion Ratio Lower Upper

42 100

74 158.9 129.2 193.8

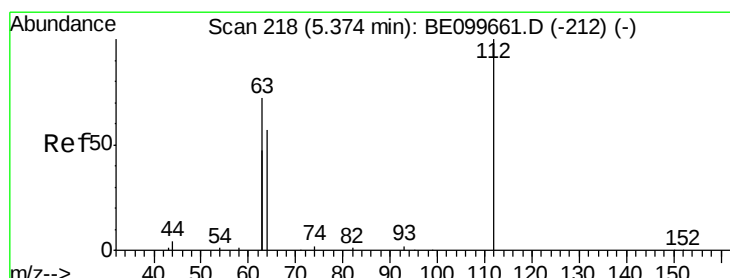
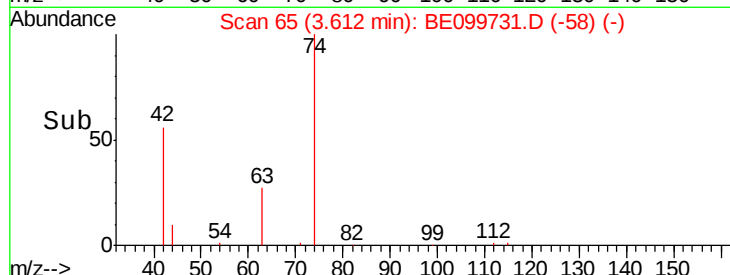
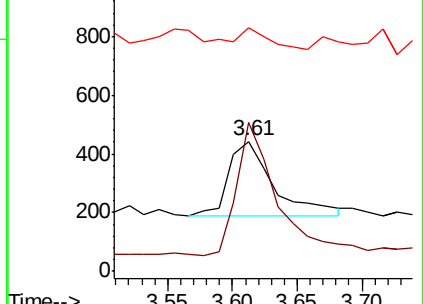
44 15.1 0.0 0.0#



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: 0.384 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

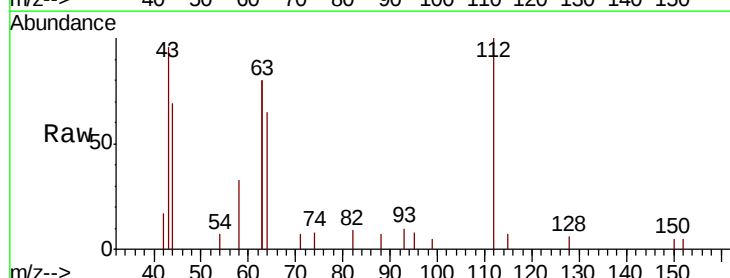
Tgt Ion: 112 Resp: 1712

Ion Ratio Lower Upper

112 100

64 53.7 43.4 65.2

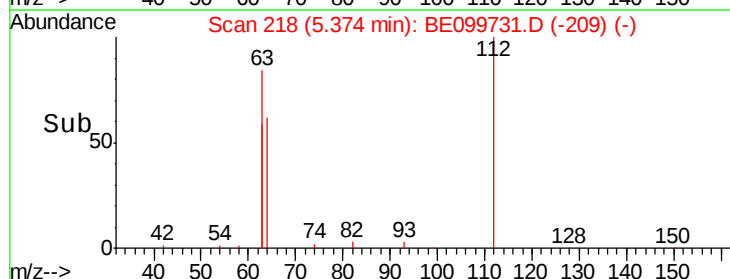
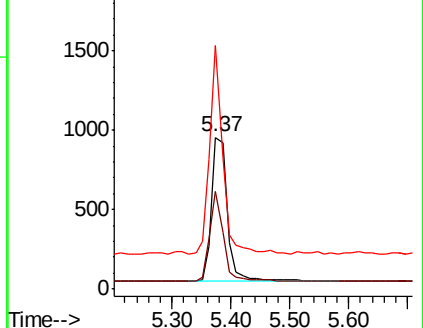
63 117.3 96.9 145.3

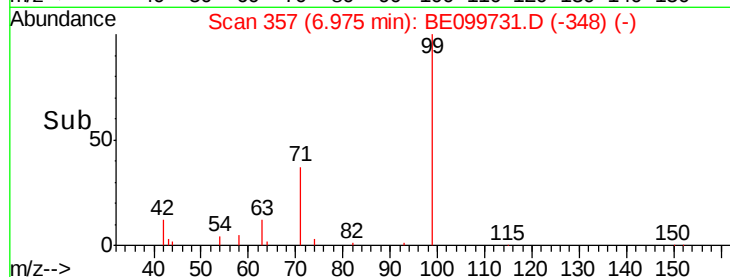
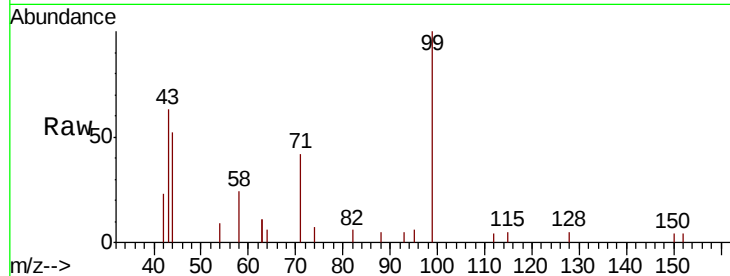


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.373 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

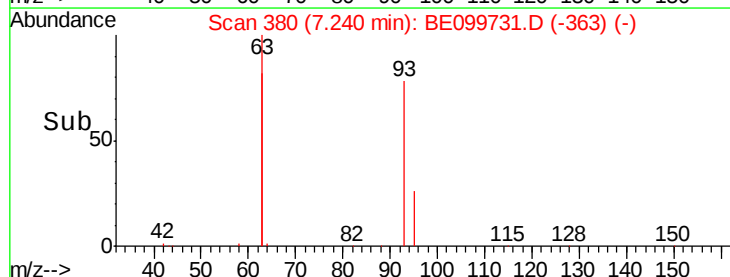
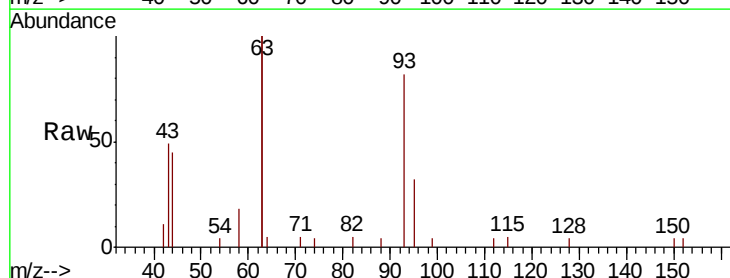
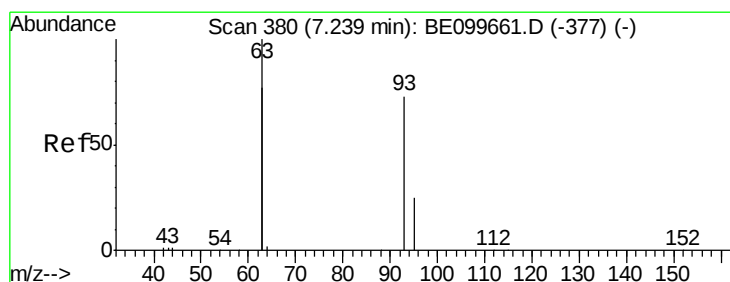
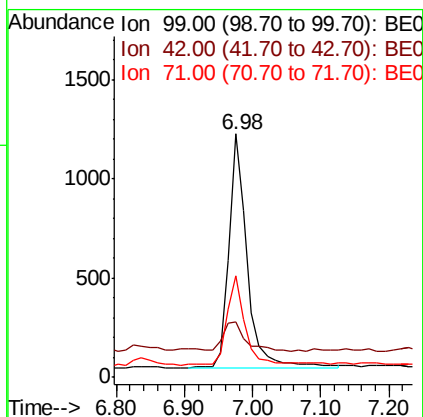
Tot Ion: 99 Resp: 2199

Ion Ratio Lower Upper

99 100

42 15.1 12.2 18.2

71 38.2 28.9 43.3



#6

bis(2-Chloroethyl)ether

Concen: 0.347 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

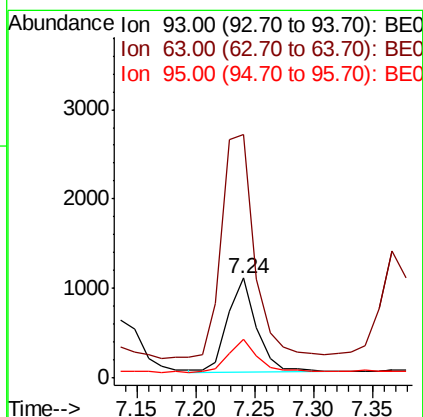
Tgt Ion: 93 Resp: 1821

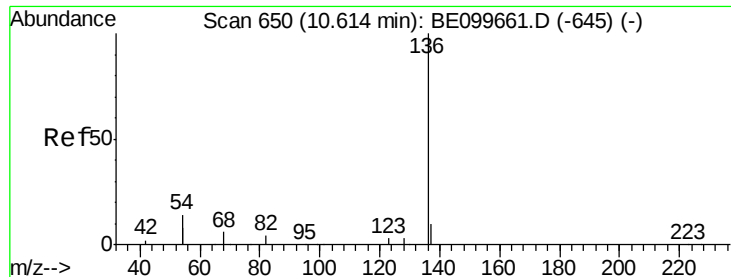
Ion Ratio Lower Upper

93 100

63 268.1 207.8 311.6

95 35.3 25.9 38.9





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.01 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

Tot Ion:136 Resp: 5845

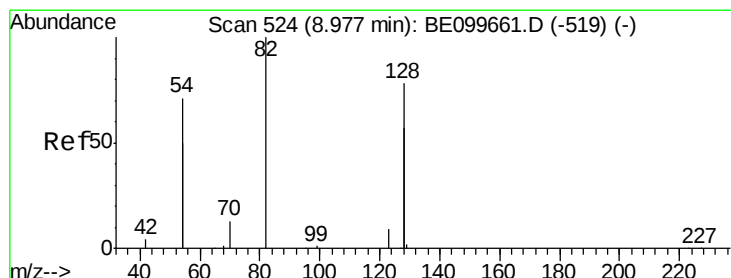
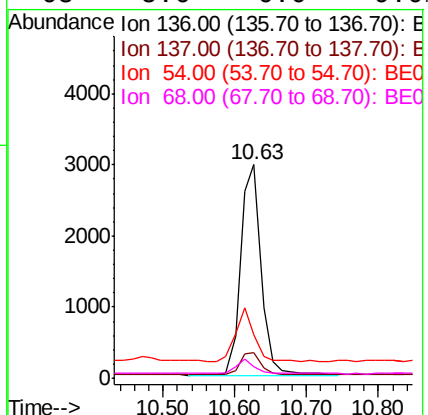
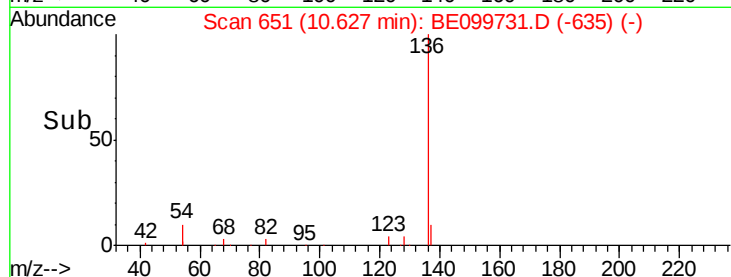
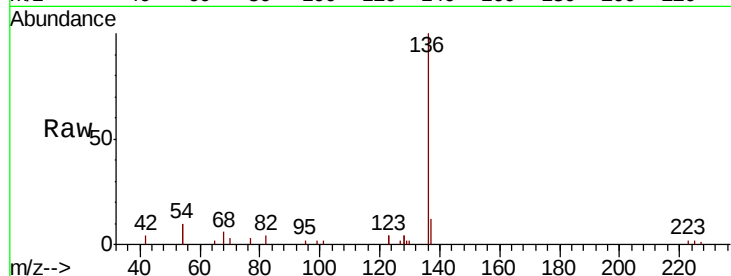
Ion Ratio Lower Upper

136 100

137 11.8 9.0 13.6

54 20.2 22.3 33.5#

68 5.6 6.0 9.0#



#8

Nitrobenzene-d5

Concen: 0.382 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

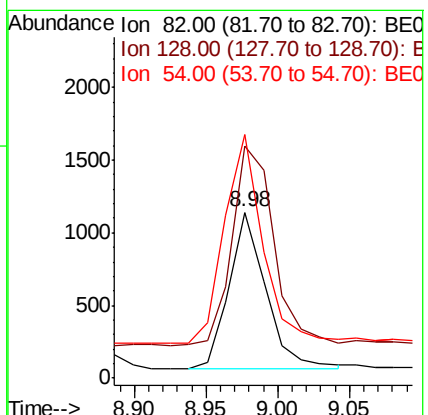
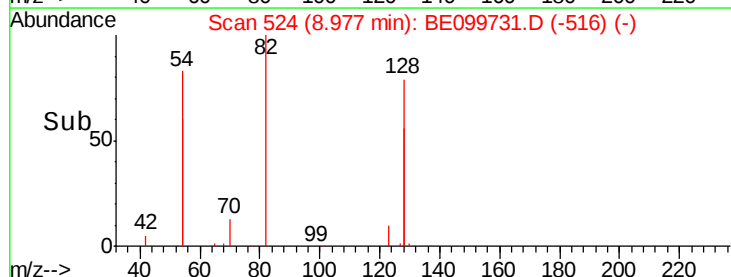
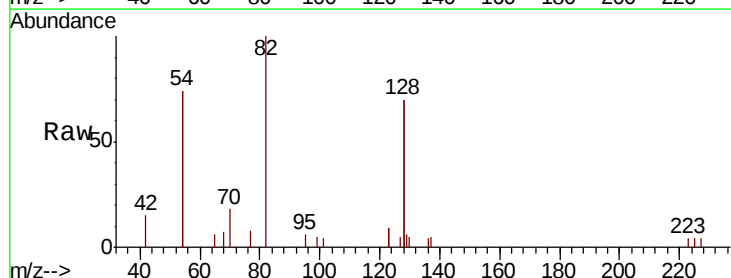
Tgt Ion: 82 Resp: 1931

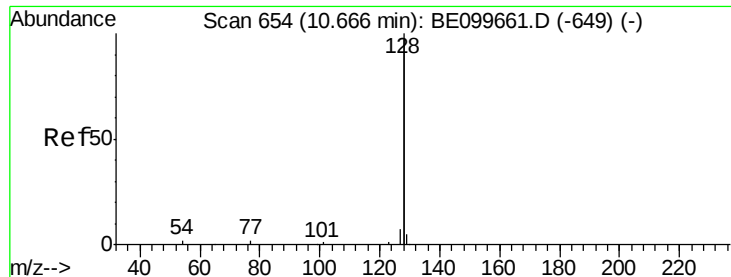
Ion Ratio Lower Upper

82 100

128 139.8 117.7 176.5

54 147.0 106.6 160.0





#9

Naphthalene

Concen: 0.350 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

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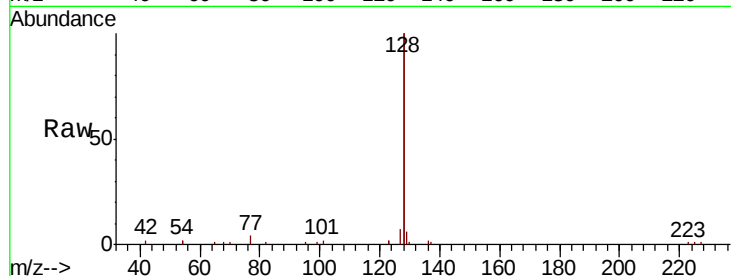
Tot Ion:128 Resp: 21873

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

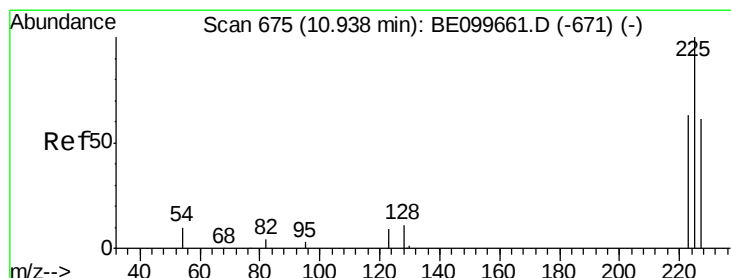
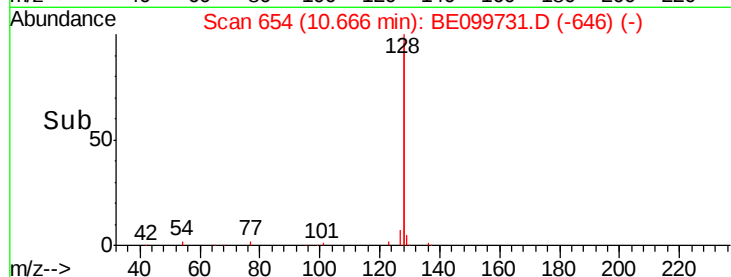
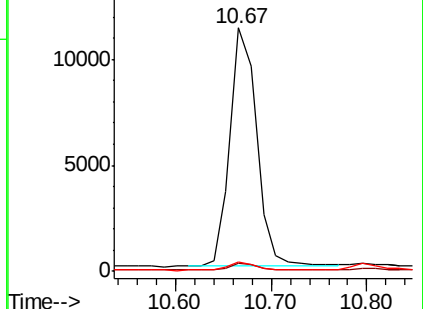
127 3.7 2.9 4.3



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: 0.347 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

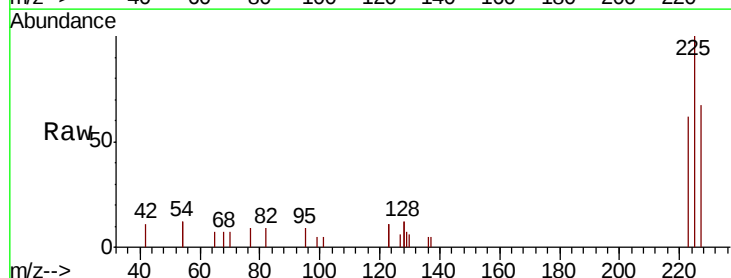
Tgt Ion:225 Resp: 1598

Ion Ratio Lower Upper

225 100

223 62.8 51.8 77.6

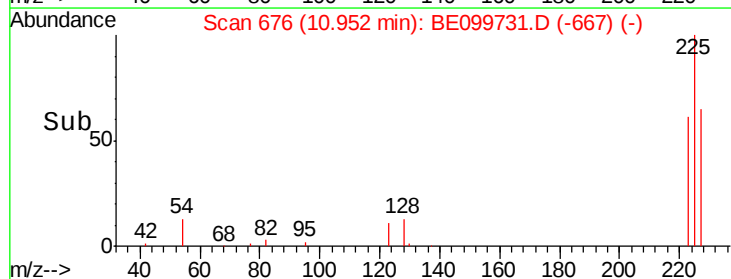
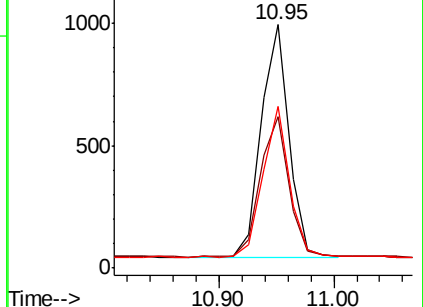
227 62.1 52.6 79.0

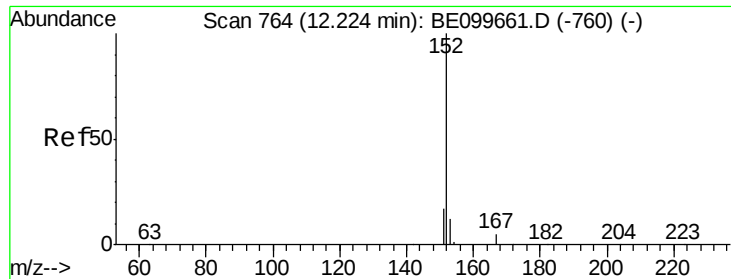


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

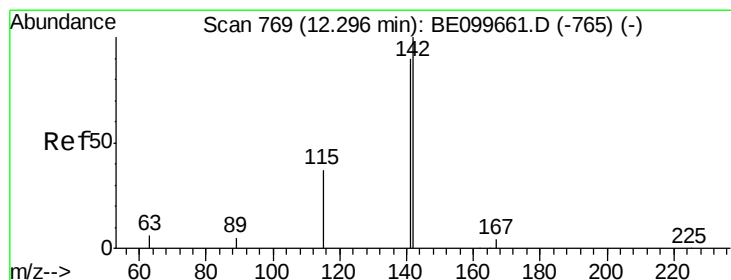
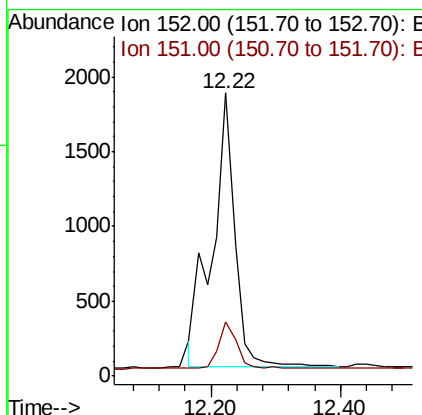
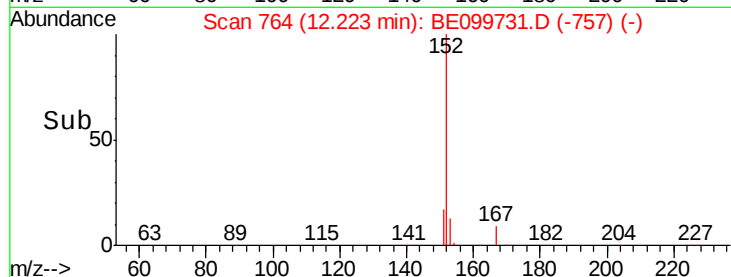
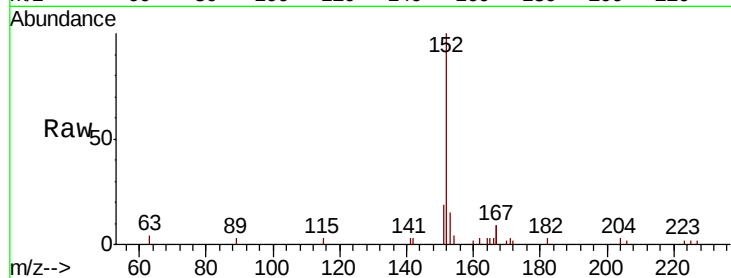




#11
 2-Methylnaphthalene-d10
 Concen: 0.441 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099731.D
 Acq: 23 May 2019 13:19

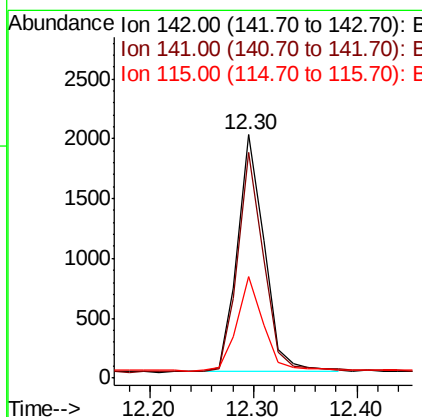
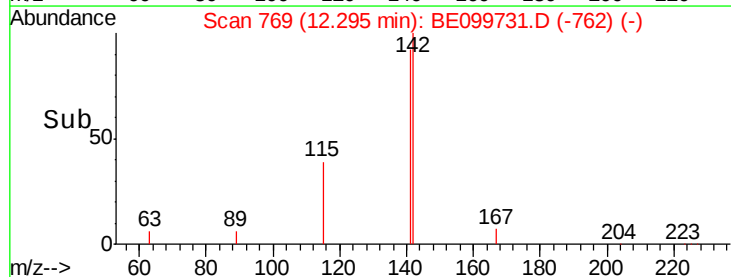
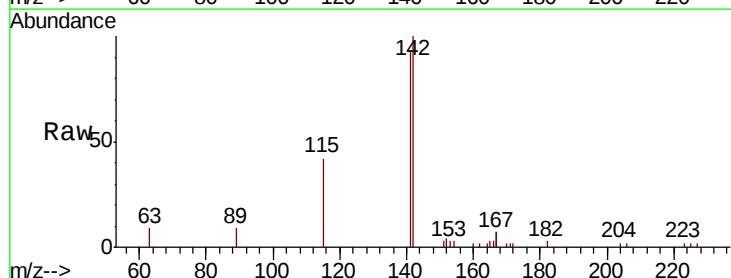
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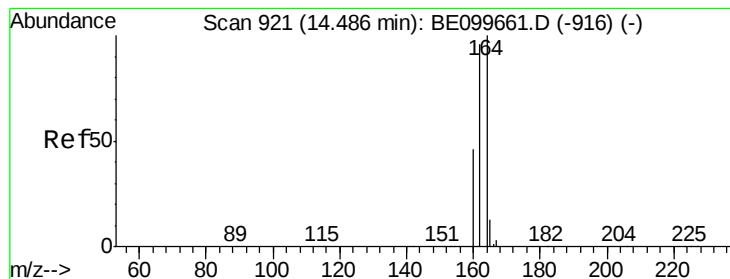
Tot Ion:152 Resp: 4452
 Ion Ratio Lower Upper
 152 100
 151 13.6 15.0 22.4#



#12
 2-Methylnaphthalene
 Concen: 0.351 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE099731.D
 Acq: 23 May 2019 13:19

Tgt Ion:142 Resp: 3579
 Ion Ratio Lower Upper
 142 100
 141 92.5 72.0 108.0
 115 41.6 31.0 46.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

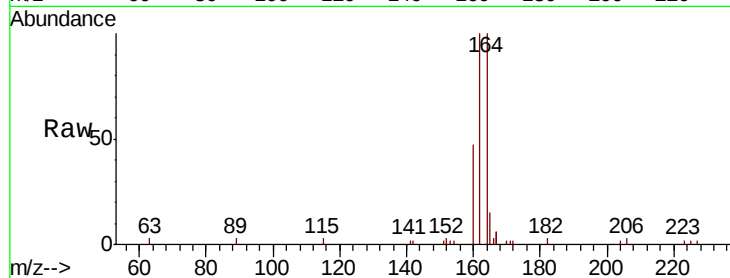
Tot Ion:164 Resp: 3611

Ion Ratio Lower Upper

164 100

162 100.3 76.5 114.7

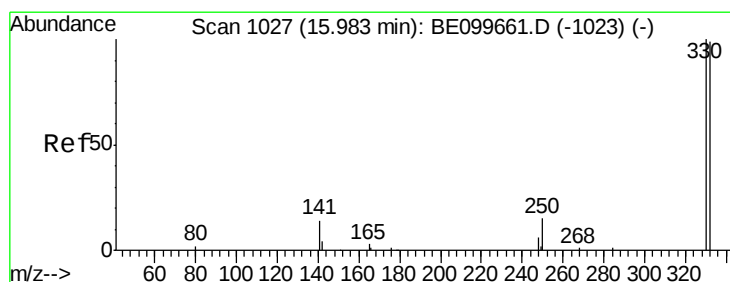
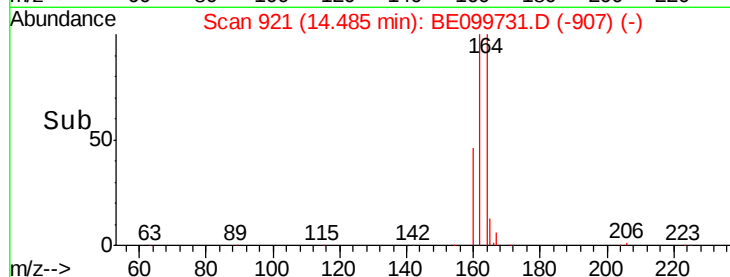
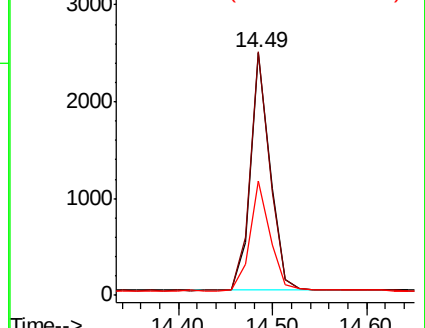
160 47.3 37.4 56.2



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: 0.446 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

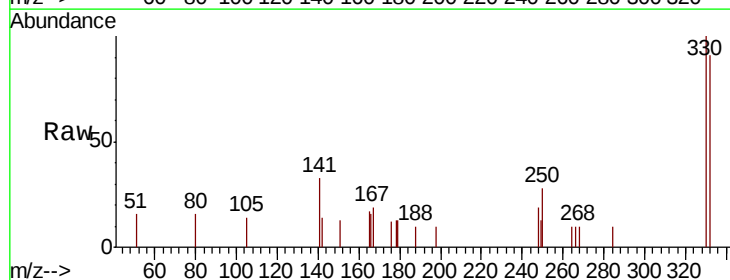
Tgt Ion:330 Resp: 870

Ion Ratio Lower Upper

330 100

332 93.4 77.3 115.9

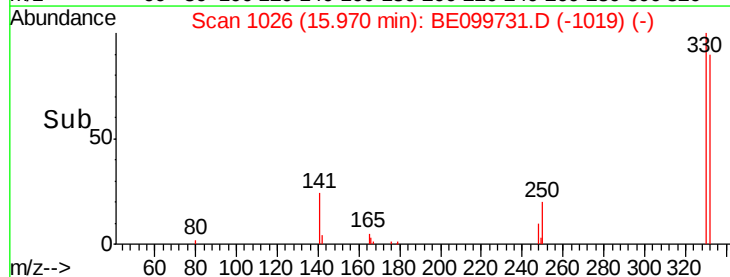
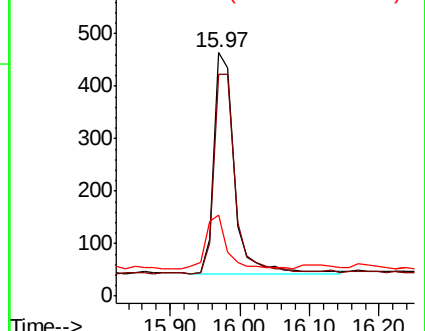
141 25.5 18.9 28.3



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

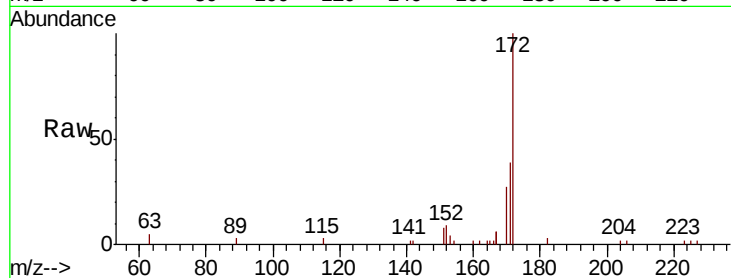




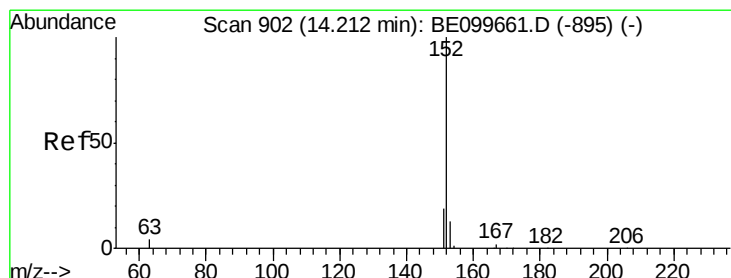
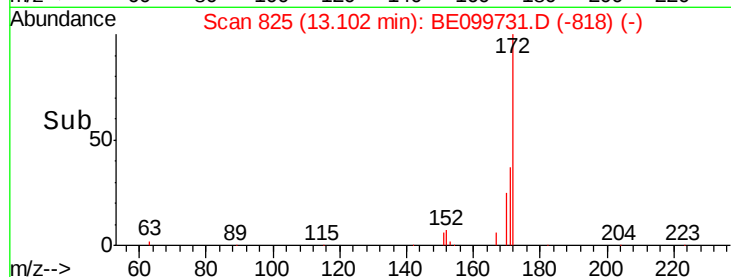
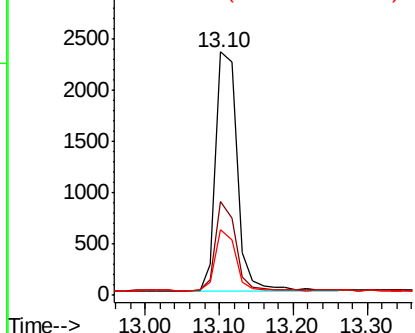
#15
2-Fluorobiphenyl
Concen: 0.345 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099731.D
Acq: 23 May 2019 13:19

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tot Ion:172 Resp: 4728
Ion Ratio Lower Upper
172 100
171 38.7 28.7 43.1
170 27.1 20.9 31.3

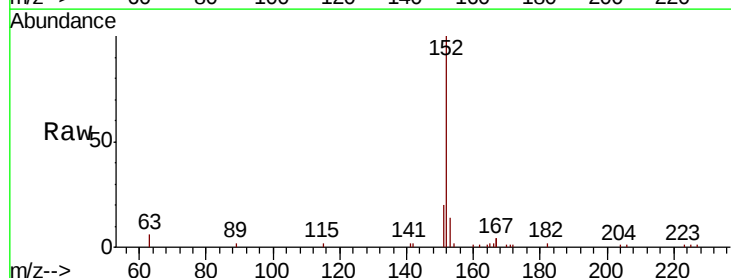


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

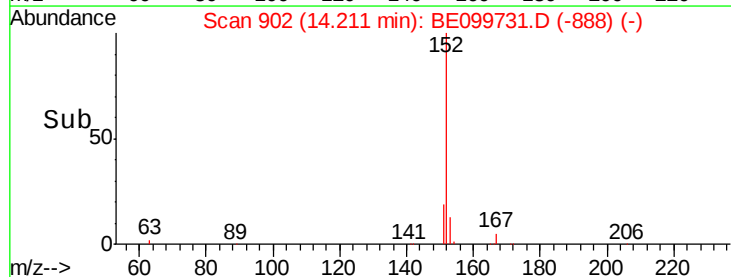
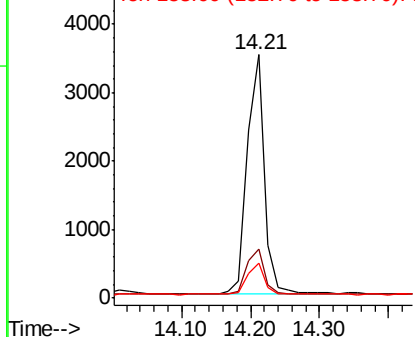


#16
Acenaphthylene
Concen: 0.360 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099731.D
Acq: 23 May 2019 13:19

Tgt Ion:152 Resp: 6065
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.9 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: 0.361 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

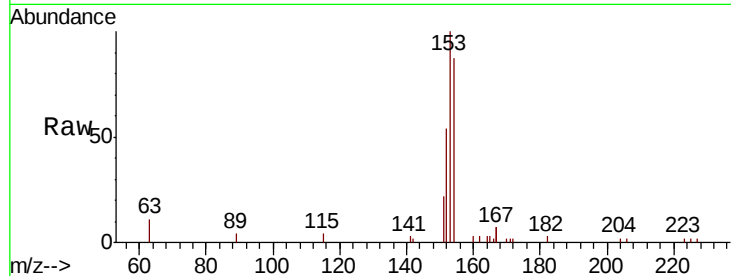
Tot Ion:154 Resp: 3410

Ion Ratio Lower Upper

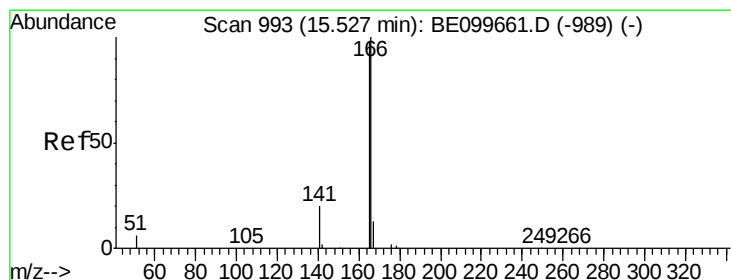
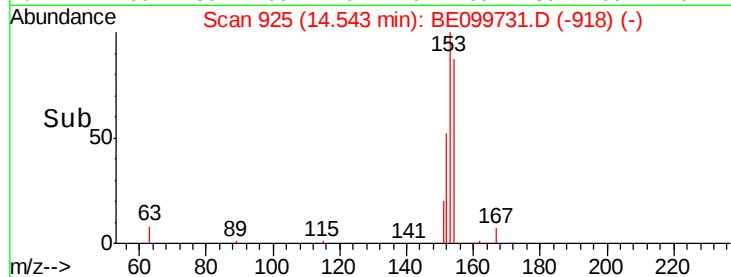
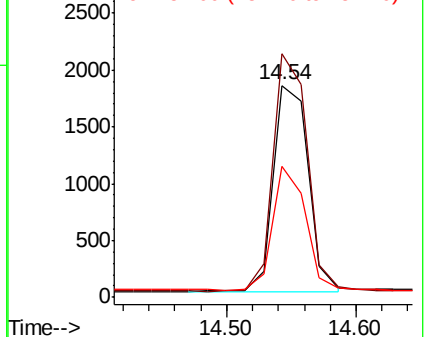
154 100

153 112.2 91.8 137.6

152 56.4 46.0 69.0



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: 0.345 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

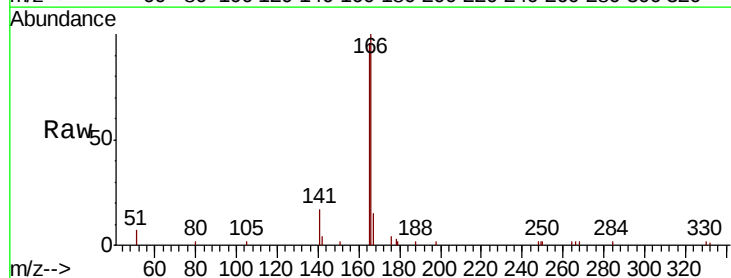
Tgt Ion:166 Resp: 4800

Ion Ratio Lower Upper

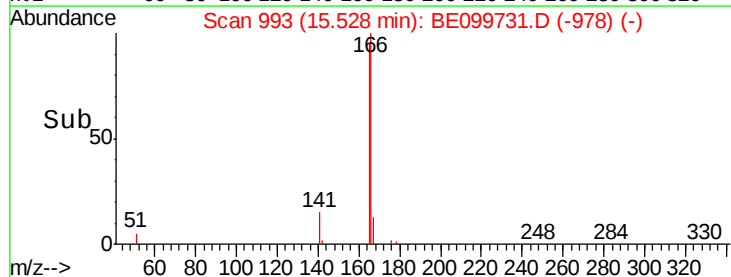
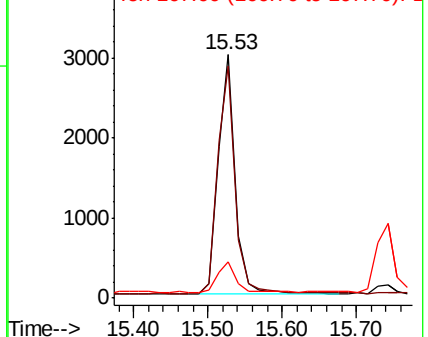
166 100

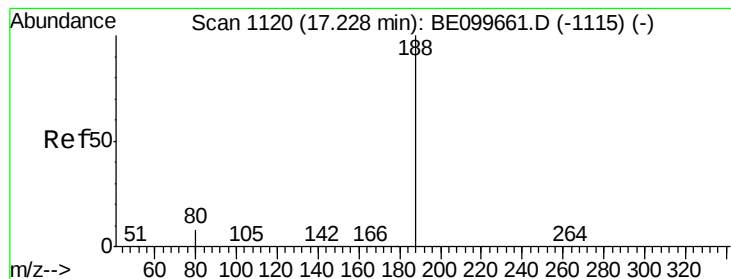
165 97.4 80.3 120.5

167 14.1 10.6 16.0



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: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

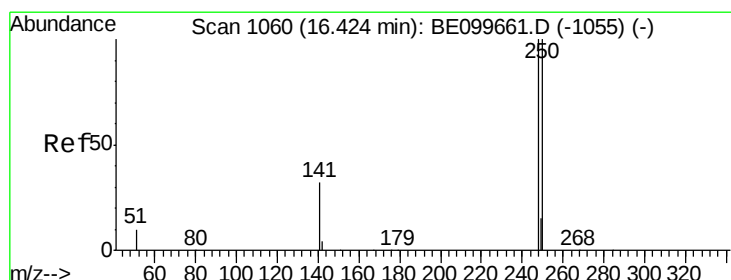
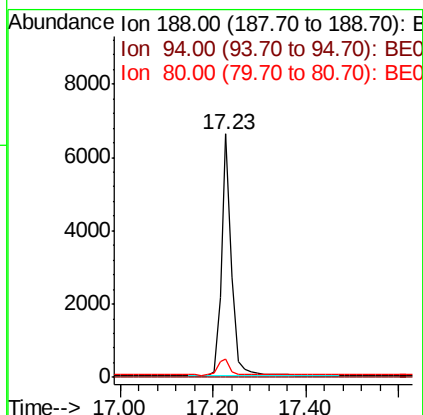
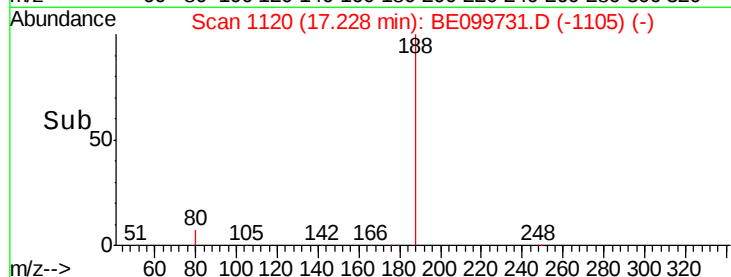
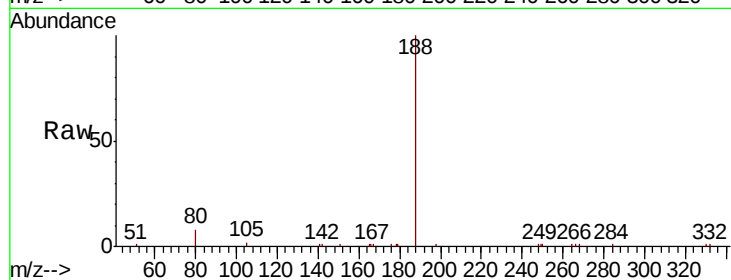
Tot Ion:188 Resp: 10030

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.6 6.7 10.1



#20

4-Bromophenyl-phenylether

Concen: 0.362 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

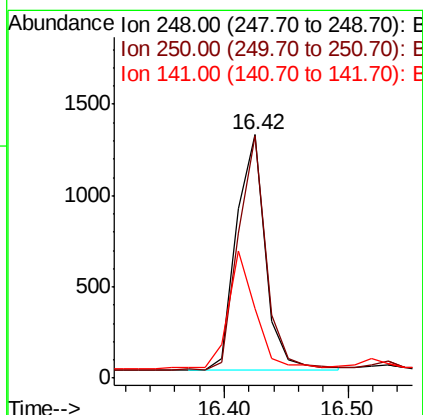
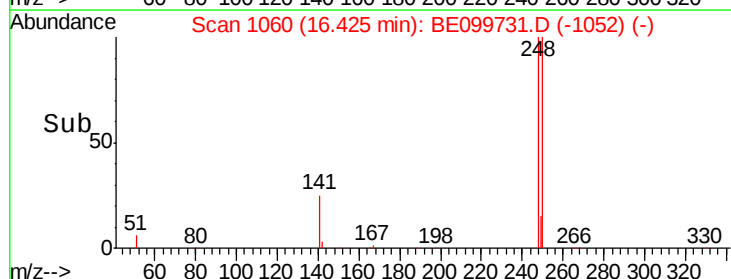
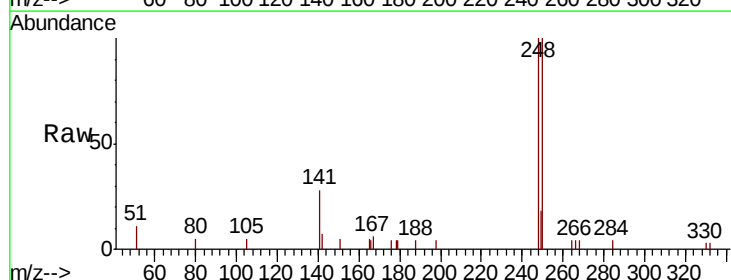
Tgt Ion:248 Resp: 2092

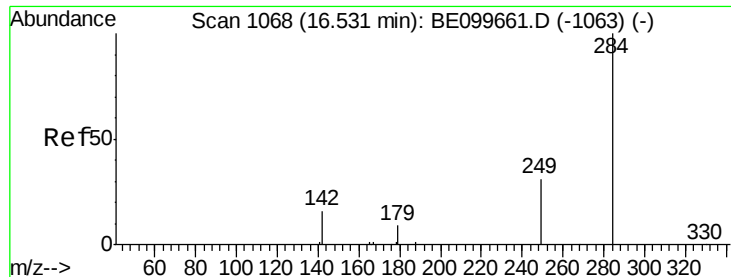
Ion Ratio Lower Upper

248 100

250 99.7 79.8 119.8

141 28.3 27.0 40.6





#21

Hexachlorobenzene

Concen: 0.347 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

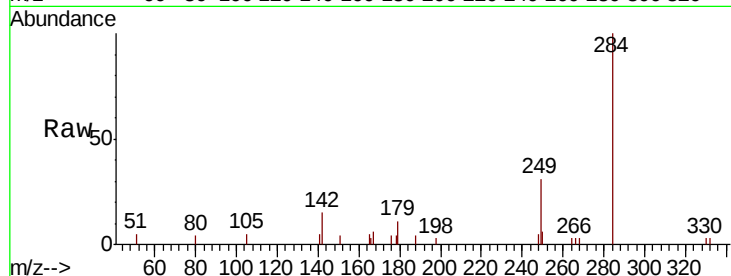
Tot Ion:284 Resp: 2054

Ion Ratio Lower Upper

284 100

142 22.2 17.8 26.6

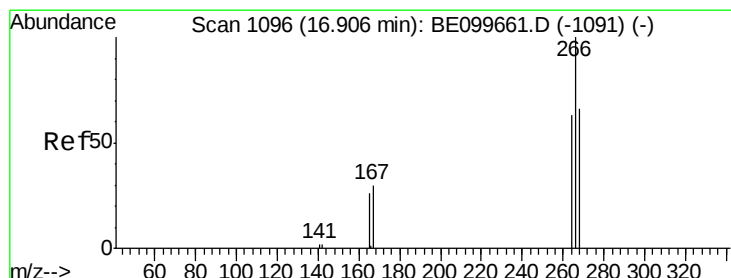
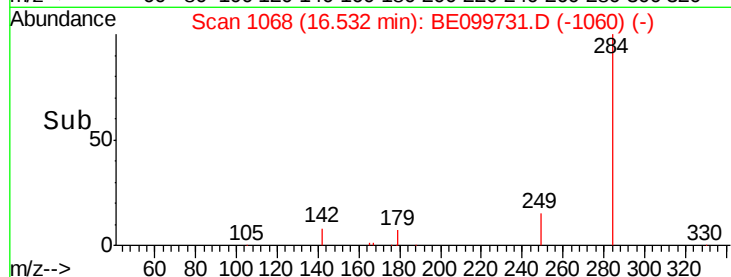
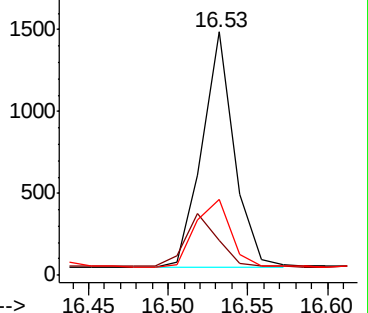
249 31.1 24.8 37.2



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: 0.705 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

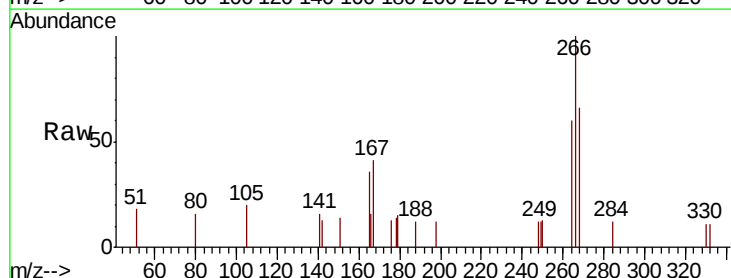
Tgt Ion:266 Resp: 994

Ion Ratio Lower Upper

266 100

264 59.7 57.2 85.8

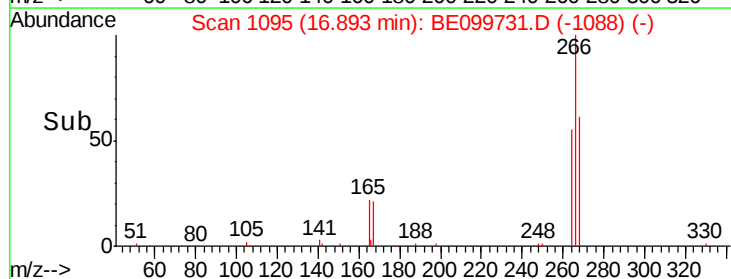
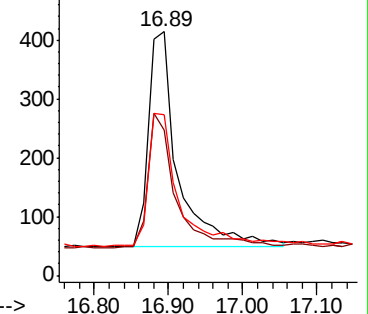
268 66.2 60.5 90.7

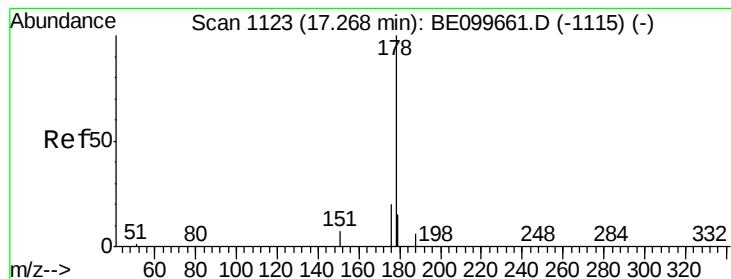


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.350 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

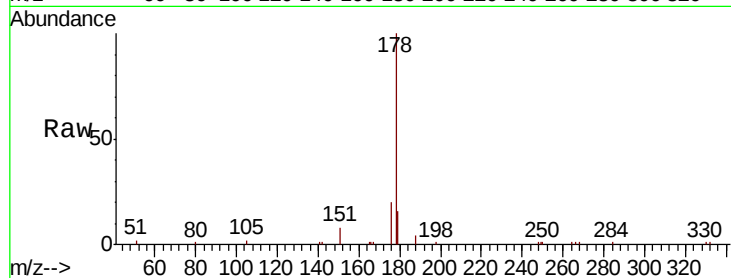
Tot Ion:178 Resp: 8590

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

179 15.6 12.2 18.4

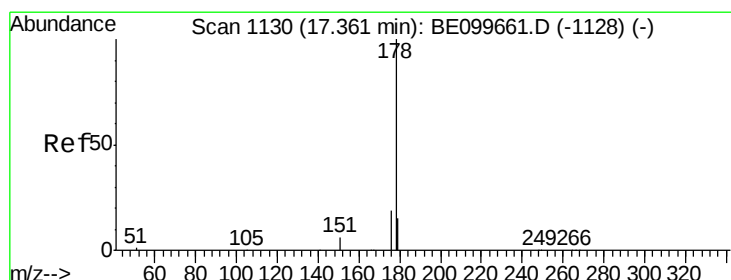
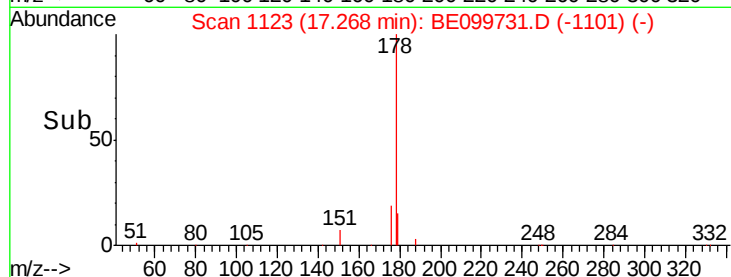
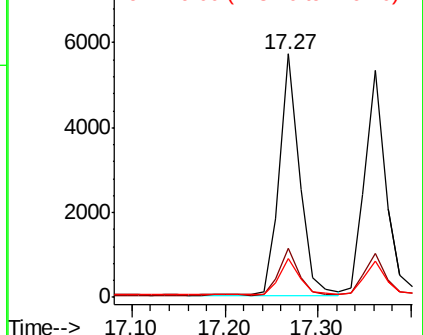


Abundance

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. 0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

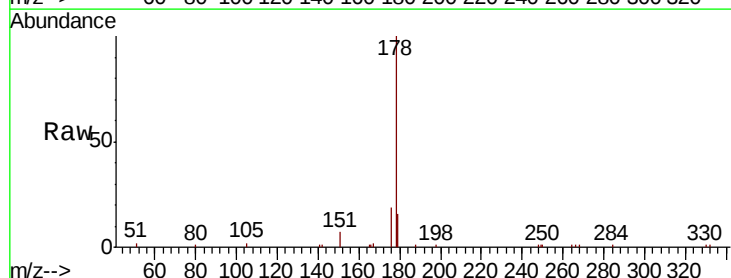
Tgt Ion:178 Resp: 8274

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 14.8 12.0 18.0

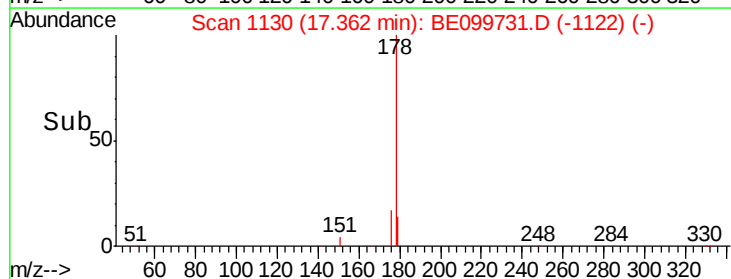
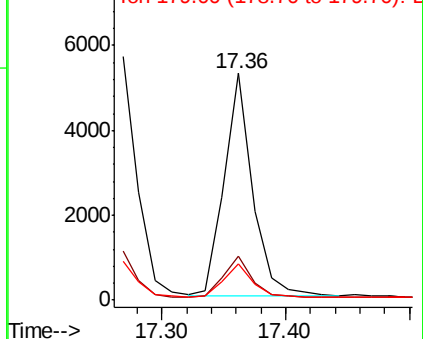


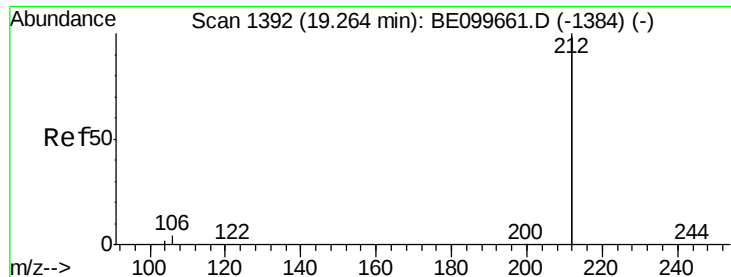
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.349 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

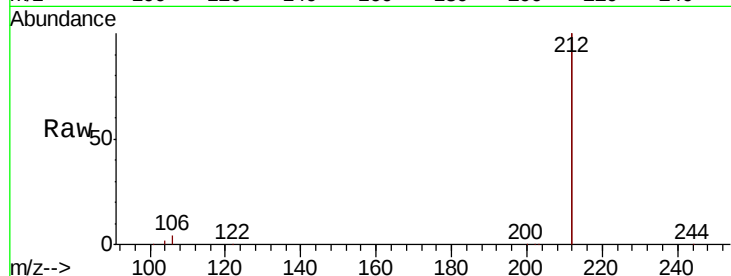
Tot Ion:212 Resp: 47846

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

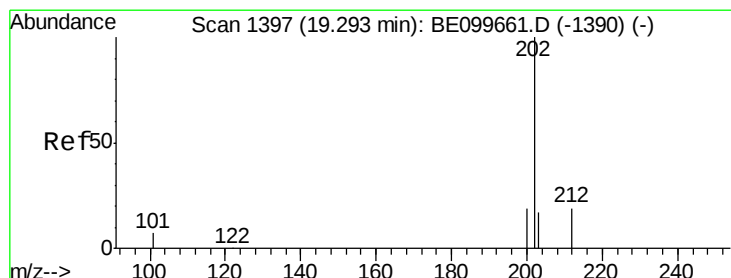
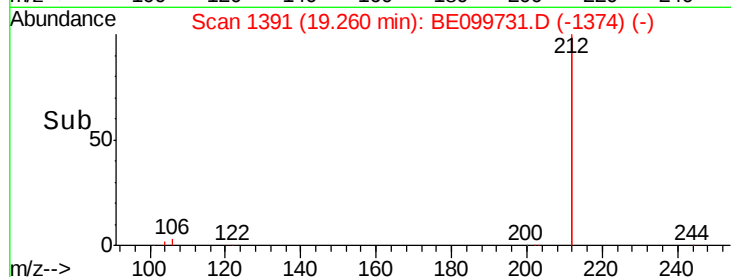
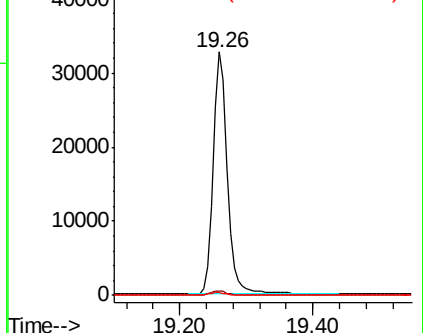
104 1.1 0.8 1.2



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: 0.362 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

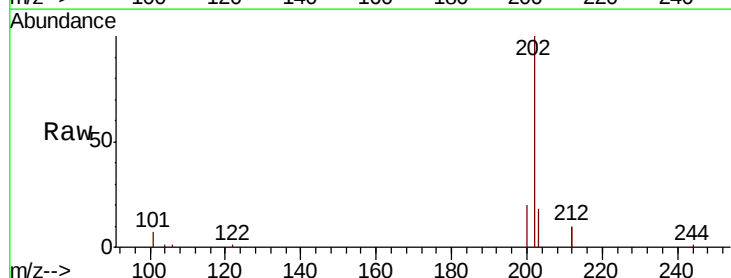
Tgt Ion:202 Resp: 14025

Ion Ratio Lower Upper

202 100

101 6.3 5.2 7.8

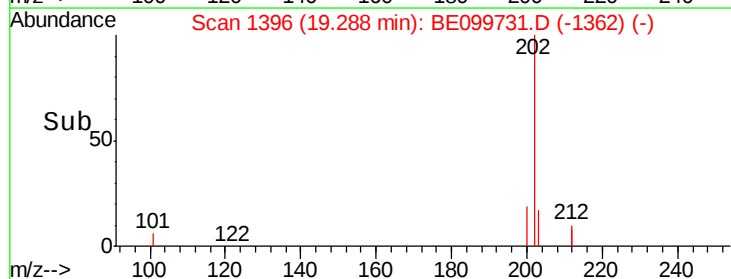
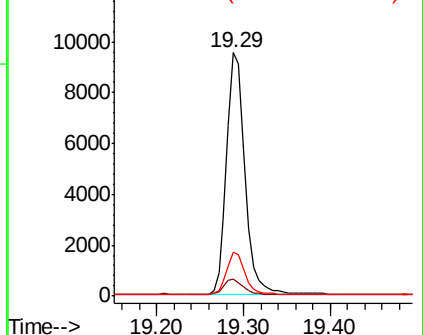
203 16.8 13.8 20.6



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

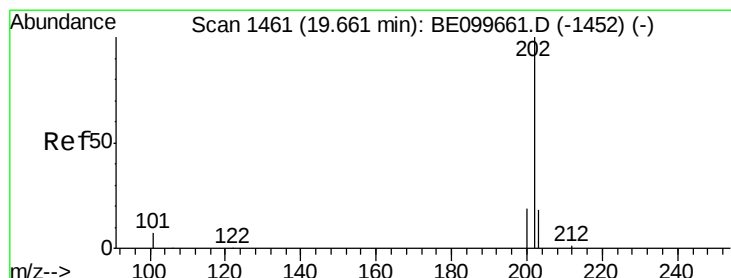
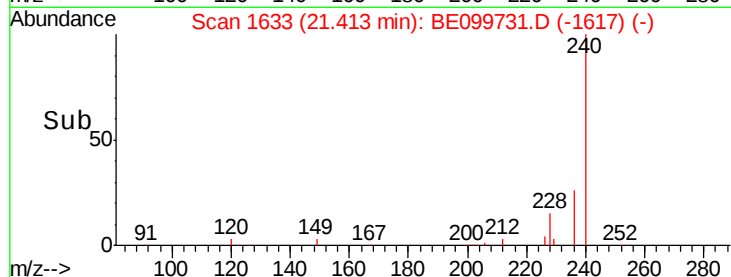
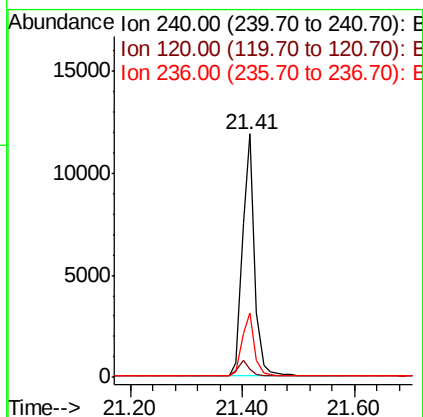
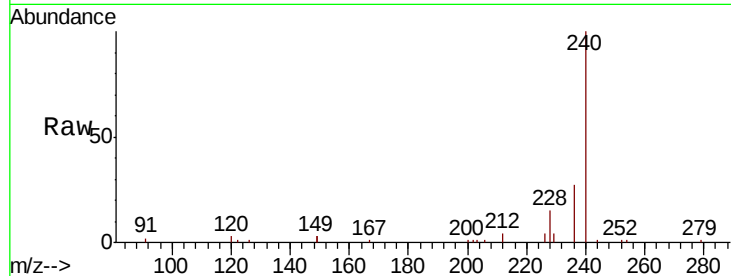




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BE099731.D
 Acq: 23 May 2019 13:19

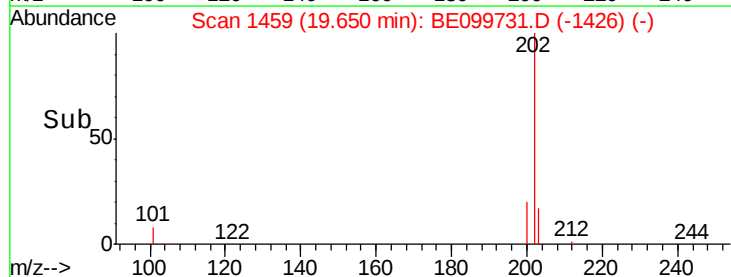
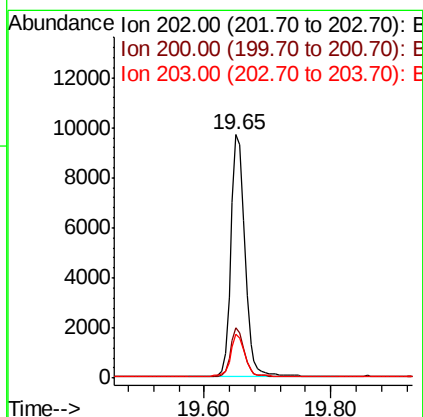
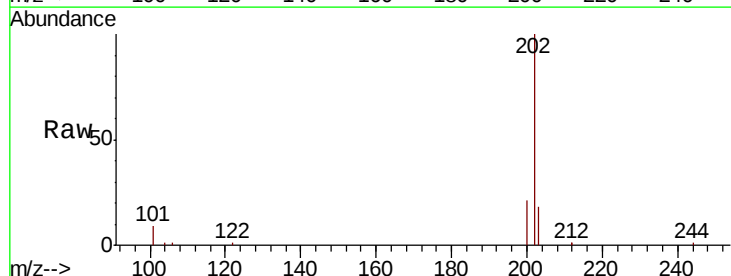
Instrument :
 BNA_E
 ClientSampleId :
 PB119960BS

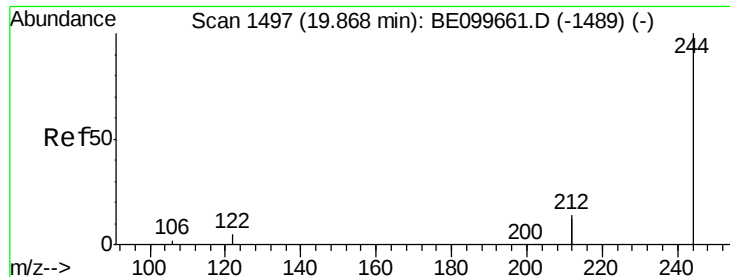
Tot Ion:240 Resp: 17691
 Ion Ratio Lower Upper
 240 100
 120 3.3 5.4 8.0#
 236 26.7 21.7 32.5



#28
 Pyrene
 Concen: 0.335 ng
 RT: 19.65 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BE099731.D
 Acq: 23 May 2019 13:19

Tgt Ion:202 Resp: 14870
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.4 23.2
 203 17.7 13.8 20.8





#29

Terphenyl-d14

Concen: 0.344 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

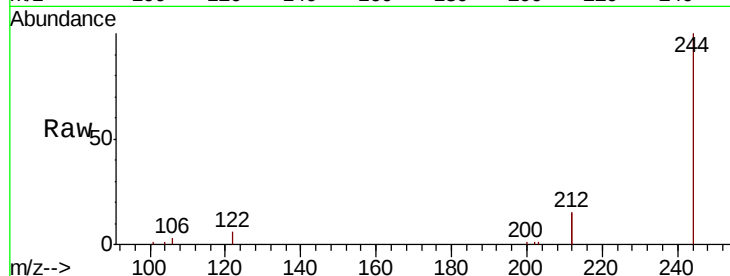
Tot Ion:244 Resp: 10869

Ion Ratio Lower Upper

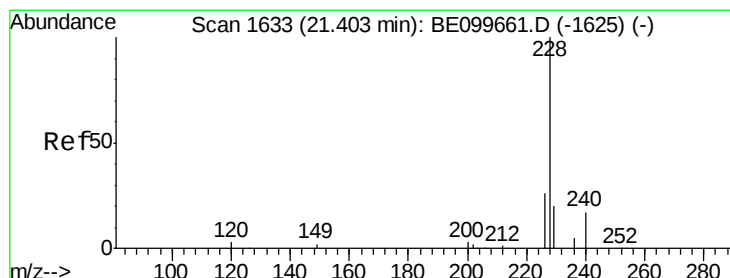
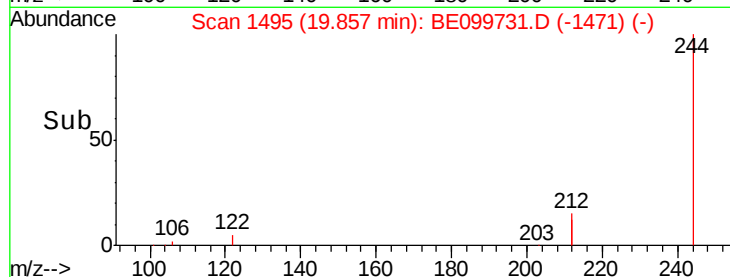
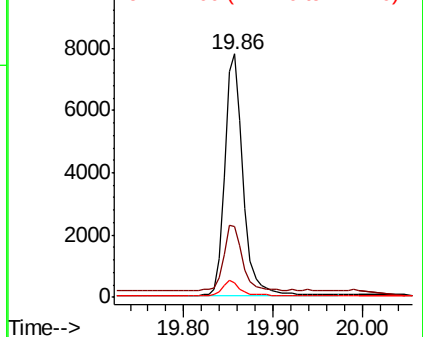
244 100

212 29.0 22.5 33.7

122 5.8 4.3 6.5



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: 0.432 ng

RT: 21.39 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

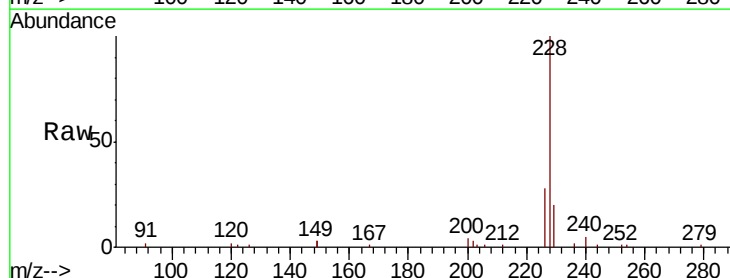
Tgt Ion:228 Resp: 21716

Ion Ratio Lower Upper

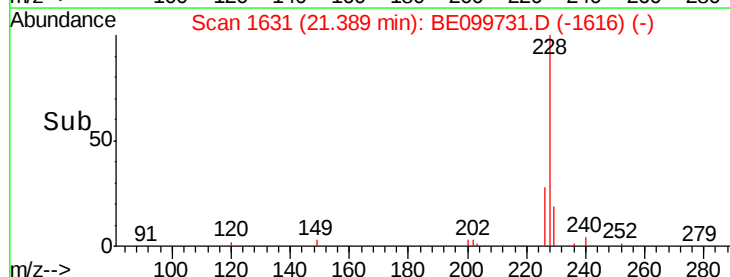
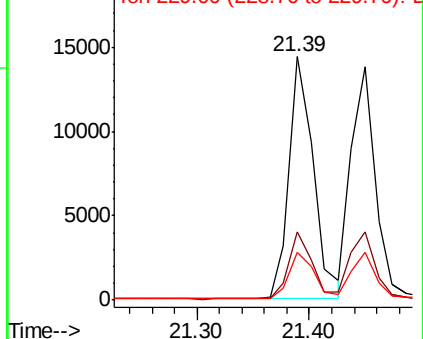
228 100

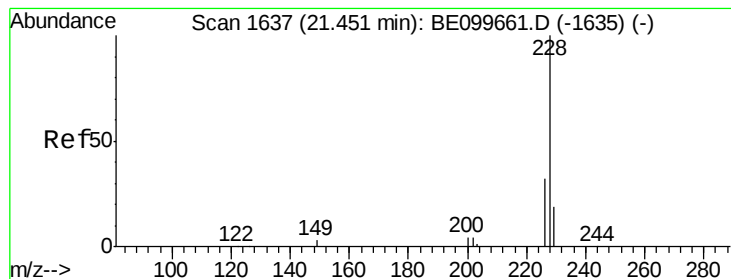
226 28.1 21.3 31.9

229 19.7 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





#31

Chrysene

Concen: 0.381 ng

RT: 21.45 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

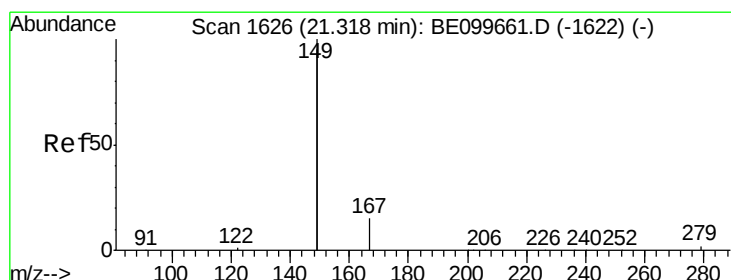
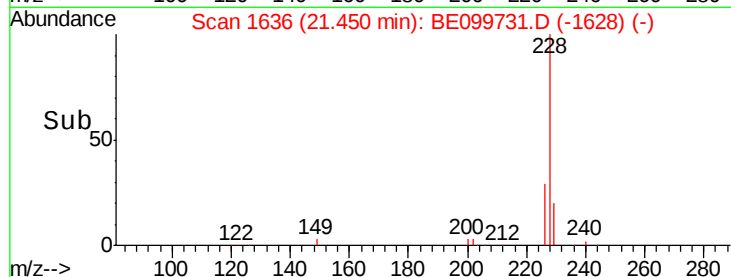
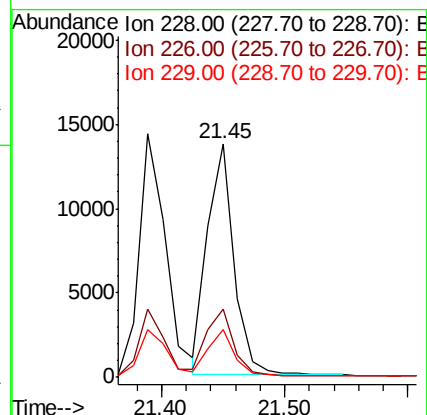
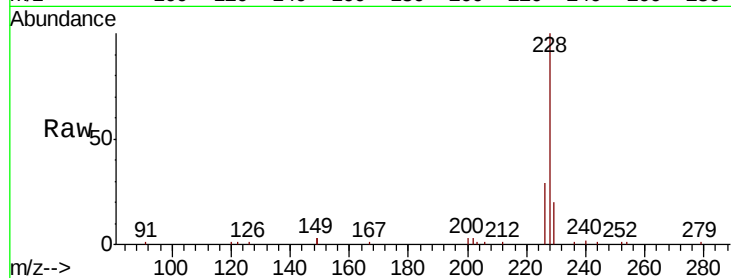
Tot Ion:228 Resp: 20502

Ion Ratio Lower Upper

228 100

226 29.2 24.7 37.1

229 20.4 15.8 23.6



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.551 ng

RT: 21.30 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

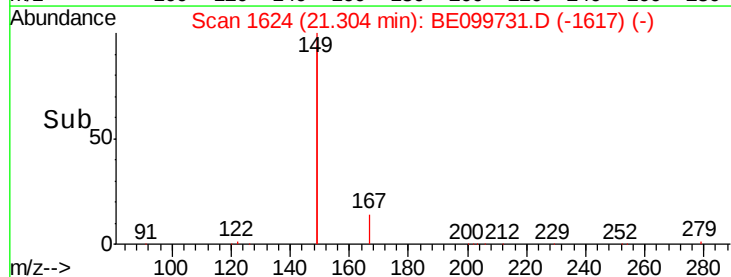
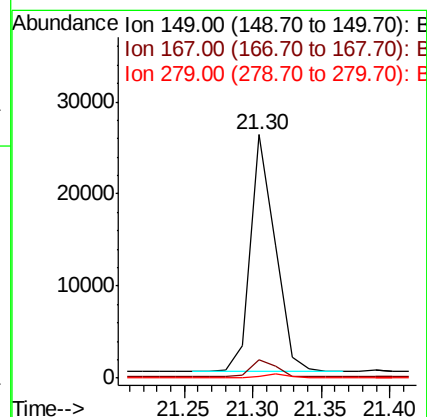
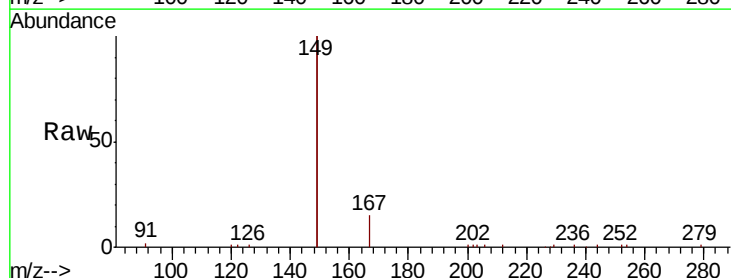
Tgt Ion:149 Resp: 31924

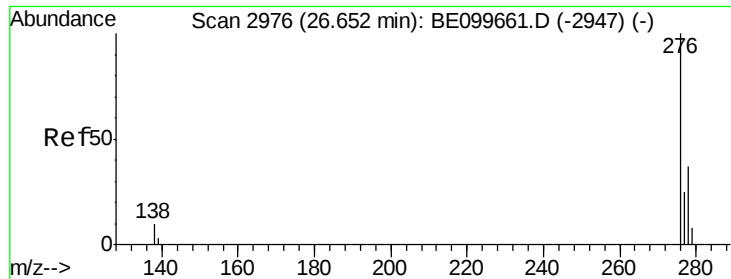
Ion Ratio Lower Upper

149 100

167 7.4 6.2 9.4

279 1.5 1.2 1.8

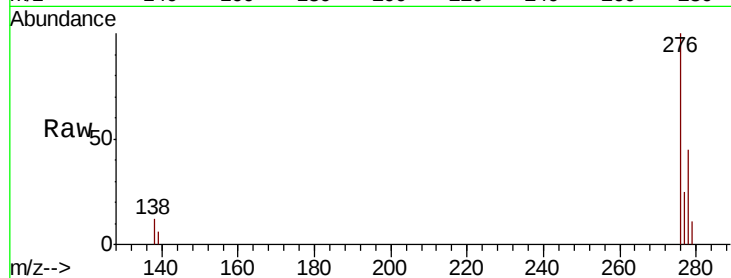




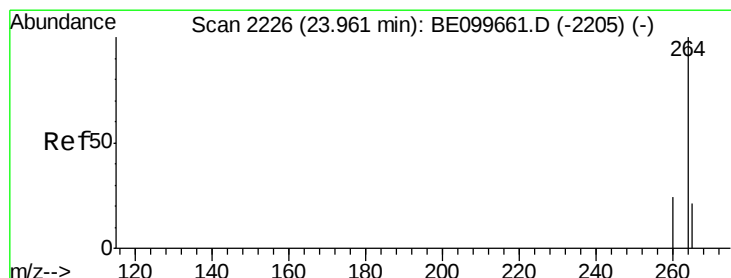
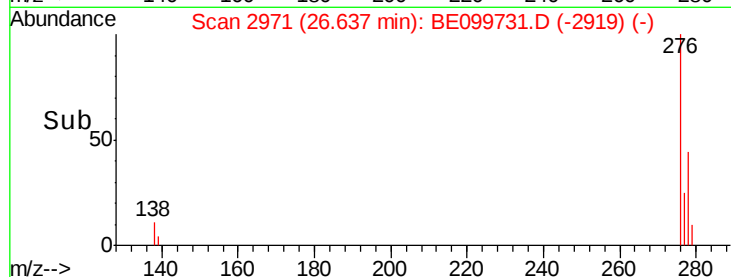
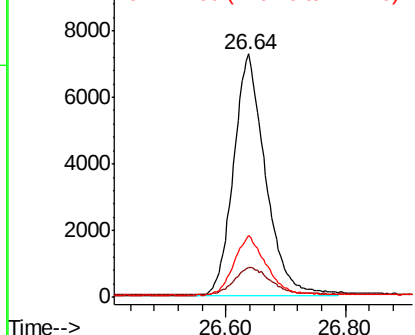
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.414 ng
 RT: 26.64 min Scan# 2971
 Delta R.T. -0.01 min
 Lab File: BE099731.D
 Acq: 23 May 2019 13:19

Instrument :
 BNA_E
 ClientSampleId :
 PB119960BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.0	9.6	14.4
277	24.6	19.2	28.8

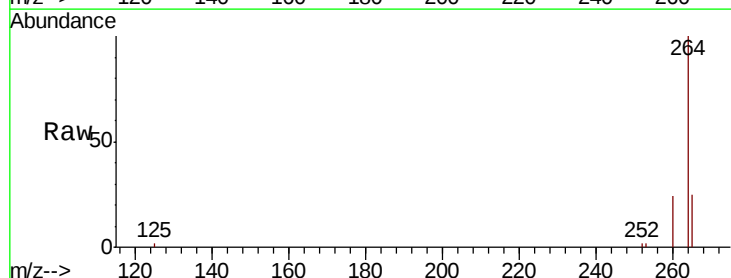


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

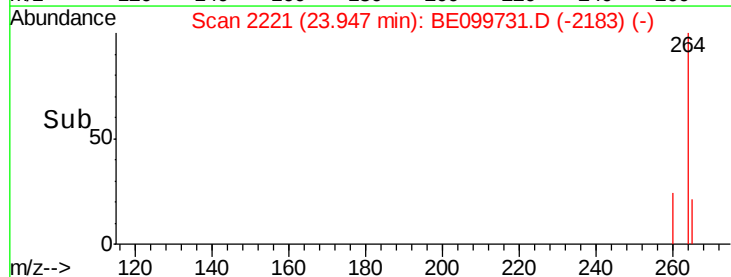
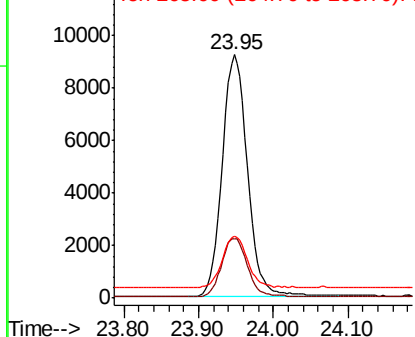


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.95 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BE099731.D
 Acq: 23 May 2019 13:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	25.4	19.1	28.7



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





#35

Benzo(b)fluoranthene

Concen: 0.387 ng

RT: 23.22 min Scan# 2016

Delta R.T. 0.04 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

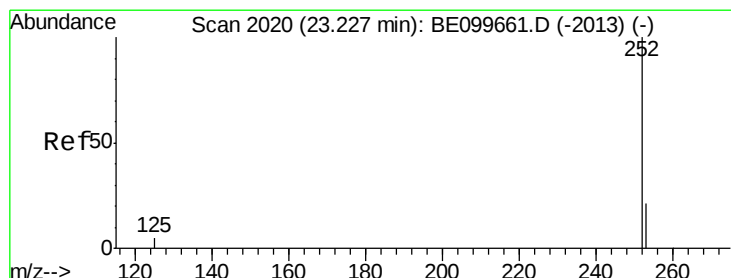
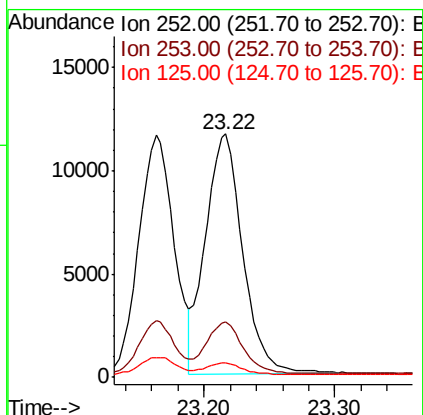
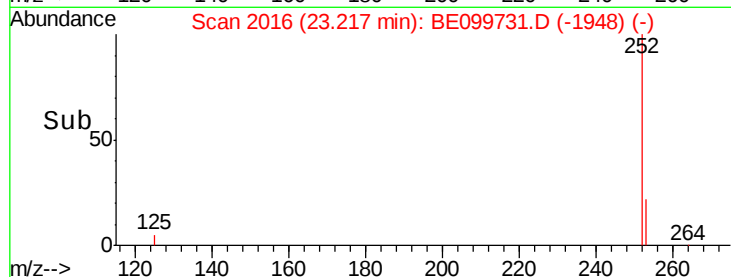
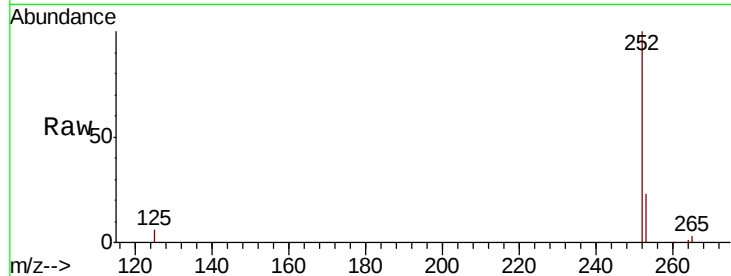
Tot Ion:252 Resp: 22924

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.4

125 6.1 4.5 6.7



#36

Benzo(k)fluoranthene

Concen: 0.371 ng

RT: 23.22 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

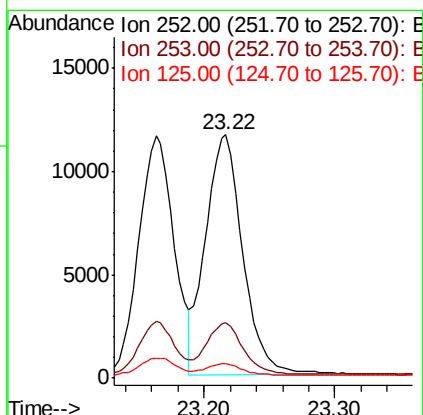
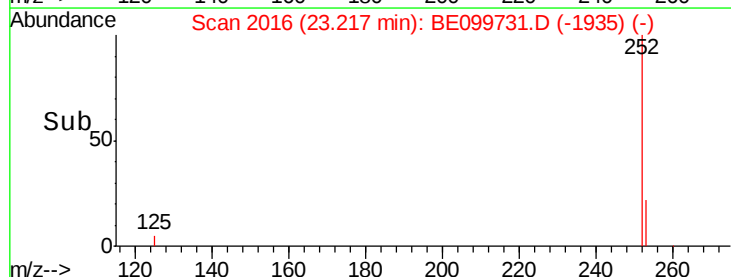
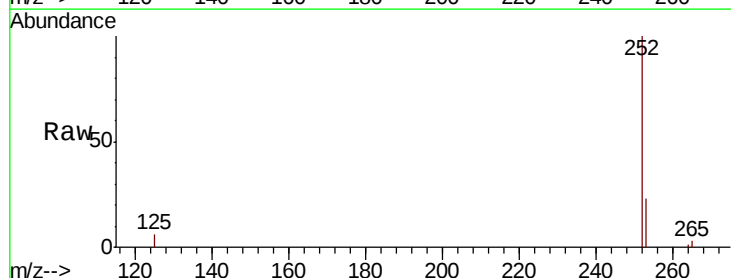
Tgt Ion:252 Resp: 22924

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 6.1 4.6 6.8





#37

Benzo(a)pyrene

Concen: 0.385 ng

RT: 23.83 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

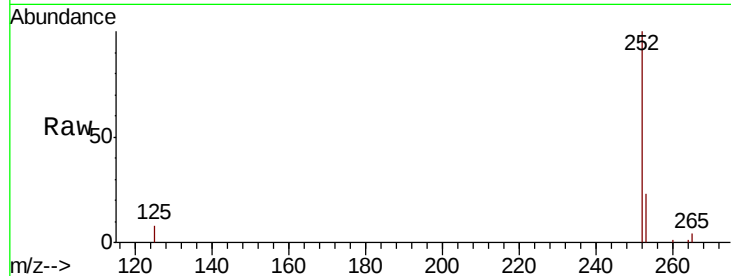
Tot Ion:252 Resp: 21926

Ion Ratio Lower Upper

252 100

253 23.4 18.9 28.3

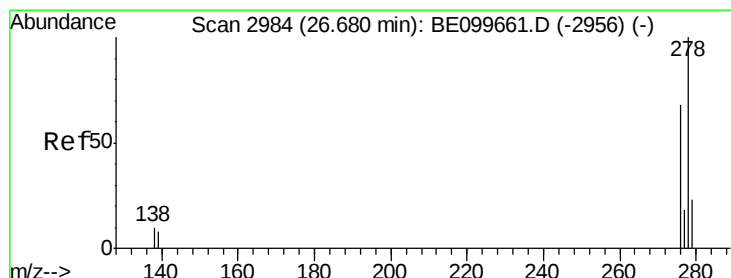
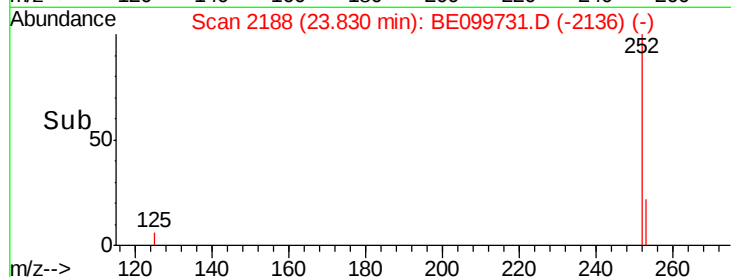
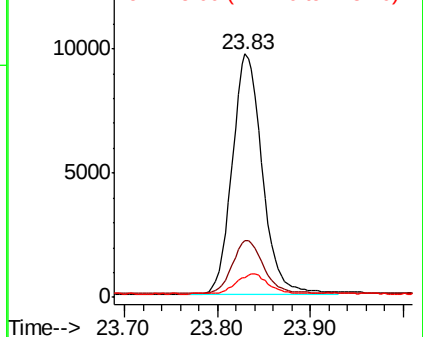
125 8.0 5.4 8.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.374 ng

RT: 26.67 min Scan# 2979

Delta R.T. -0.01 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

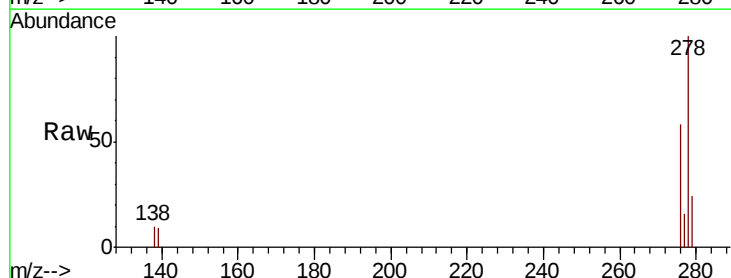
Tgt Ion:278 Resp: 22377

Ion Ratio Lower Upper

278 100

139 9.4 6.9 10.3

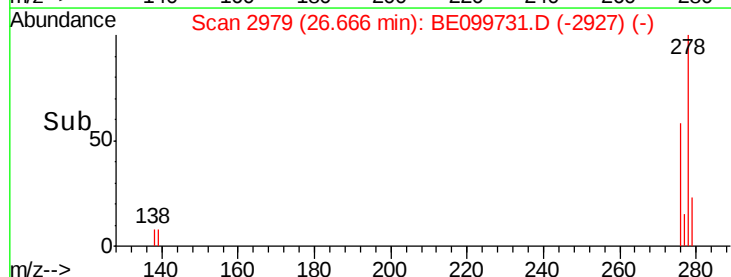
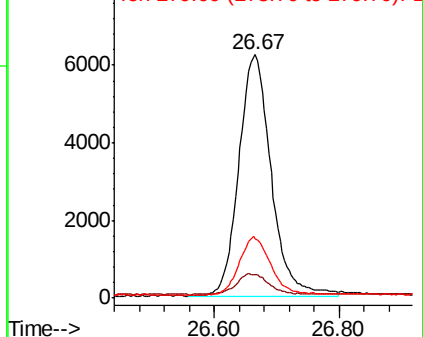
279 24.3 19.2 28.8

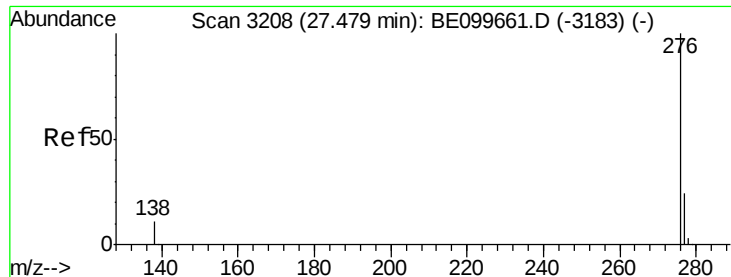


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.374 ng

RT: 27.47 min Scan# 3204

Delta R.T. -0.01 min

Lab File: BE099731.D

Acq: 23 May 2019 13:19

Instrument :

BNA_E

ClientSampleId :

PB119960BS

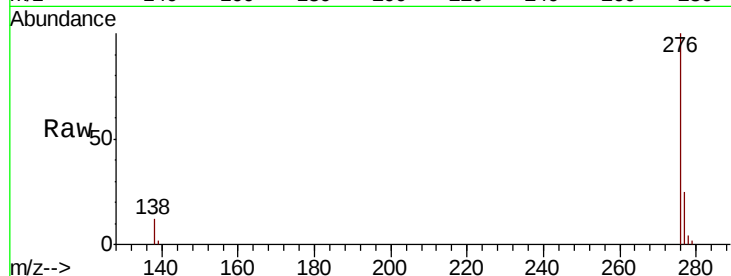
Tot Ion:276 Resp: 22611

Ion Ratio Lower Upper

276 100

277 25.1 19.8 29.6

138 12.2 9.2 13.8



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

