

Data File : BE099694.D
Acq On : 21 May 2019 18:07
Operator : JU/SJ
Sample : PB119824BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Quant Time: May 22 08:16:17 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	7.81	152	1754	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5858	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3714	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	9578	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15564	0.40	ng	0.00
34) Perylene-d12	23.96	264	18837	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1744	0.39	ng	0.00
5) Phenol-d6	6.97	99	2323	0.40	ng	0.00
8) Nitrobenzene-d5	8.98	82	2013	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	4958	0.49	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	546	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	5711	0.41	ng	0.00
25) Fluoranthene-d10	19.26	212	50847	0.39	ng	0.00
29) Terphenyl-d14	19.86	244	11159	0.40	ng	0.00

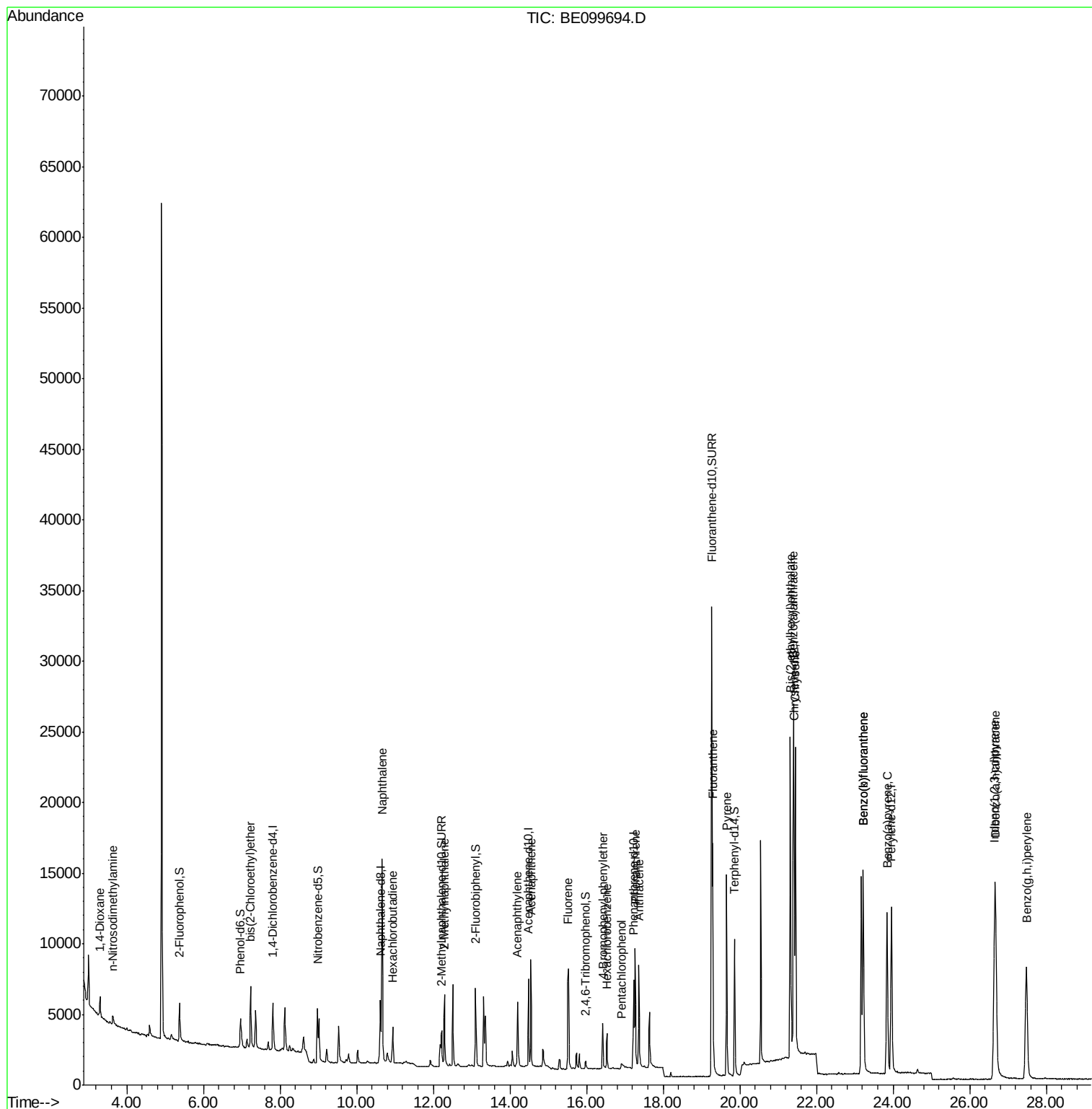
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	760	0.293	ng	# 1
3) n-Nitrosodimethylamine	3.63	42	427	0.298	ng	# 1
6) bis(2-Chloroethyl)ether	7.23	93	1950	0.374	ng	98
9) Naphthalene	10.67	128	24993	0.399	ng	100
10) Hexachlorobutadiene	10.94	225	1818	0.394	ng	97
12) 2-Methylnaphthalene	12.30	142	4040	0.396	ng	98
16) Acenaphthylene	14.20	152	6719	0.388	ng	99
17) Acenaphthene	14.54	154	3814	0.393	ng	97
18) Fluorene	15.53	166	5346	0.374	ng	98
20) 4-Bromophenyl-phenylether	16.43	248	2314	0.419	ng	97
21) Hexachlorobenzene	16.53	284	2413	0.427	ng	99
22) Pentachlorophenol	16.92	266	682	0.565	ng	97
23) Phenanthrene	17.27	178	9354	0.400	ng	100
24) Anthracene	17.36	178	8428	0.397	ng	99
26) Fluoranthene	19.29	202	14510	0.392	ng	99
28) Pyrene	19.65	202	15255	0.390	ng	99
30) Benzo(a)anthracene	21.40	228	20638	0.467	ng	99
31) Chrysene	21.45	228	20991	0.444	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	25415	0.499	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	26586	0.466	ng	99
35) Benzo(b)fluoranthene	23.22	252	22645	0.439	ng	100
36) Benzo(k)fluoranthene	23.22	252	22645	0.421	ng	99
37) Benzo(a)pyrene	23.84	252	21865	0.440	ng	# 98
38) Dibenzo(a,h)anthracene	26.68	278	21848	0.419	ng	98
39) Benzo(g,h,i)perylene	27.48	276	22663	0.430	ng	99

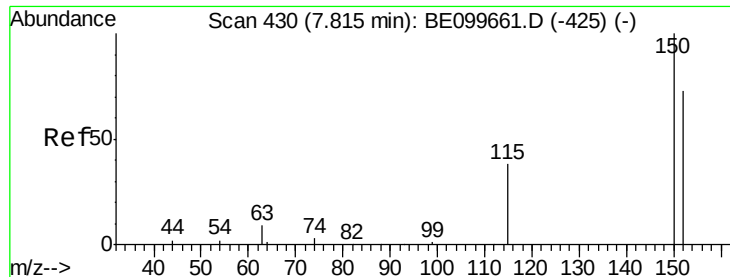
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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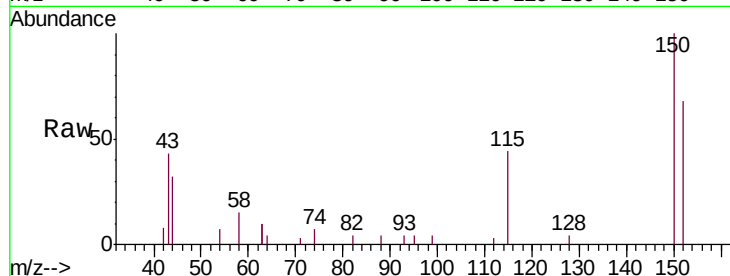


#1

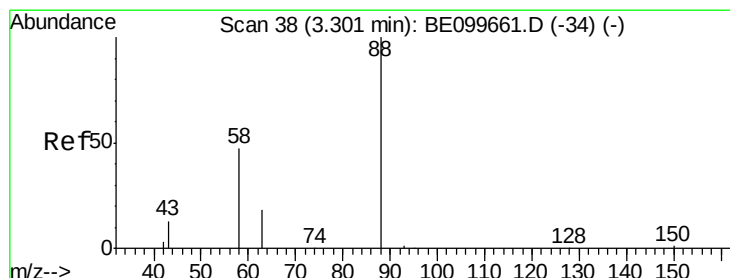
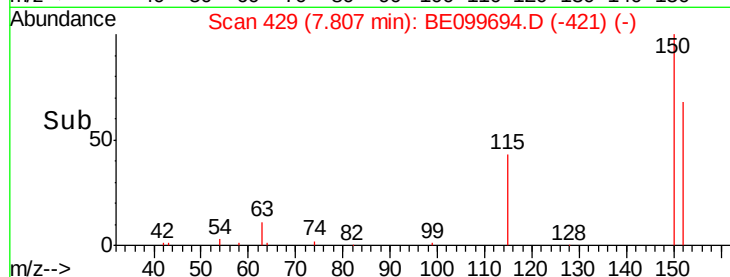
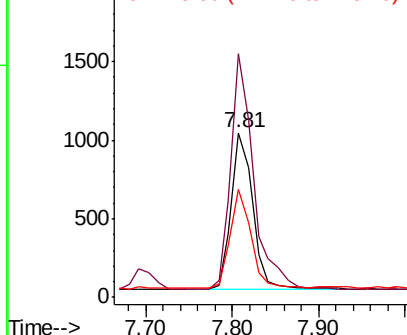
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099694.D
Acq: 21 May 2019 18:07

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:152 Resp: 1754
Ion Ratio Lower Upper
152 100
150 147.9 109.2 163.8
115 65.7 43.7 65.5#



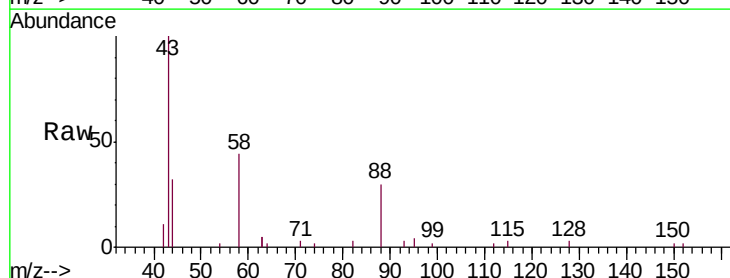
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



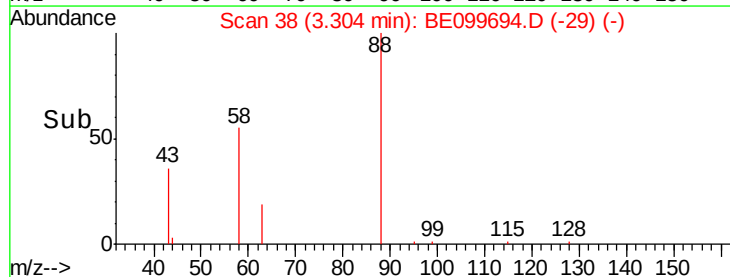
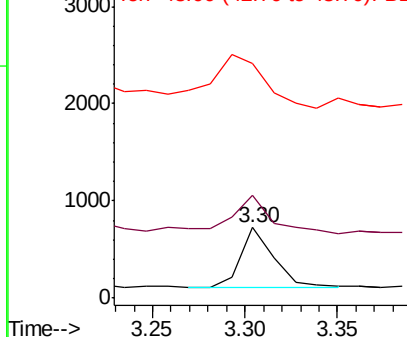
#2

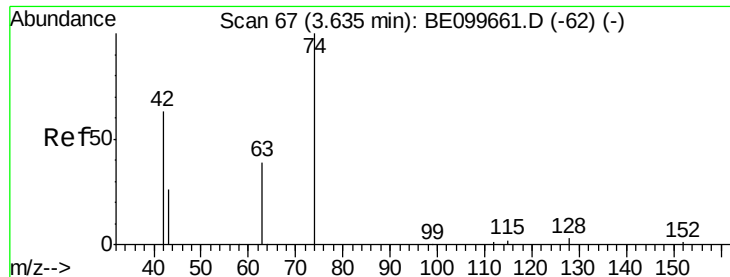
1,4-Dioxane
Concen: 0.293 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099694.D
Acq: 21 May 2019 18:07

Tgt Ion: 88 Resp: 760
Ion Ratio Lower Upper
88 100
58 82.0 41.8 62.8#
43 149.9 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: 0.298 ng

RT: 3.63 min Scan# 66

Delta R.T. -0.01 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

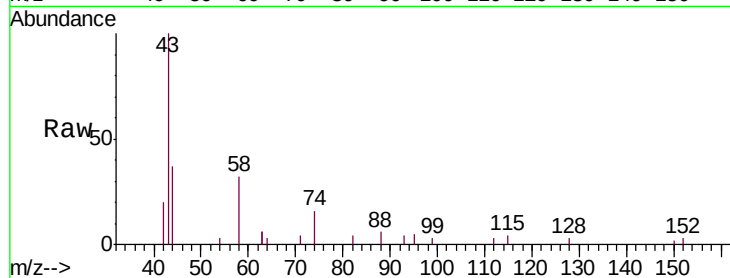
Tgt Ion: 42 Resp: 427

Ion Ratio Lower Upper

42 100

74 0.0 129.2 193.8#

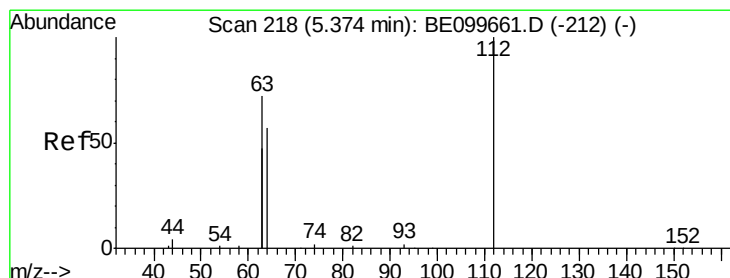
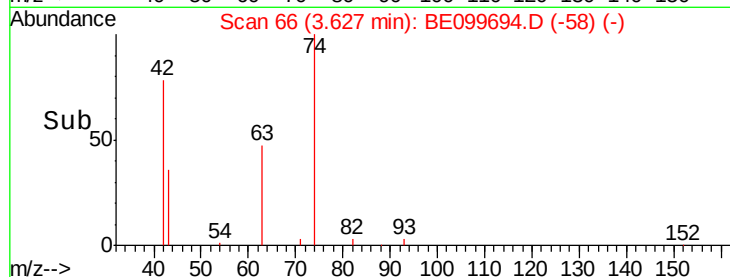
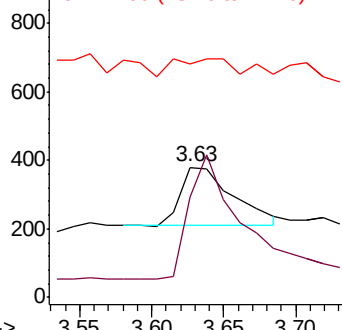
44 38.9 0.0 0.0#



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: 0.393 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

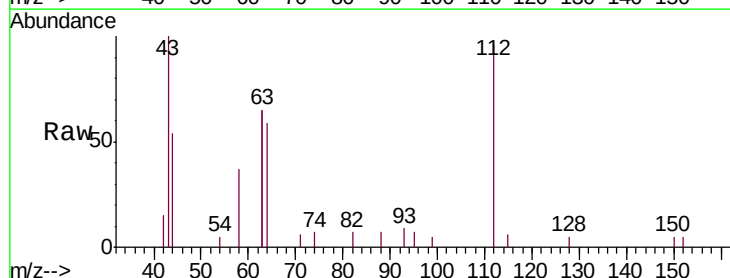
Tgt Ion: 112 Resp: 1744

Ion Ratio Lower Upper

112 100

64 56.4 43.4 65.2

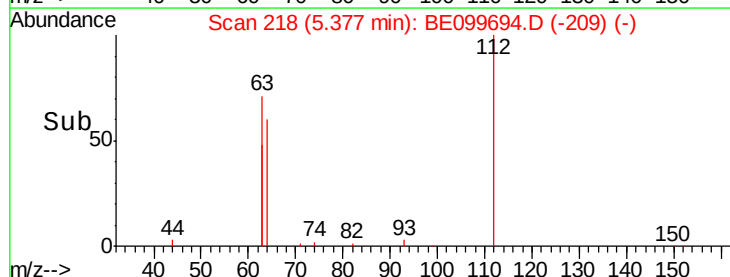
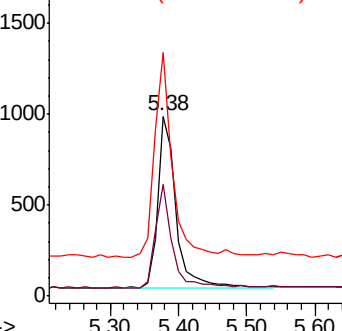
63 115.9 96.9 145.3

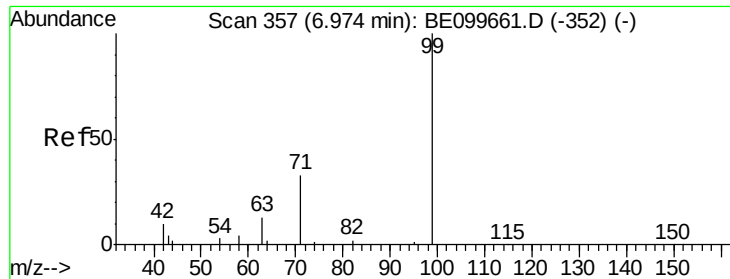


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.396 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampled :

PB119824BS

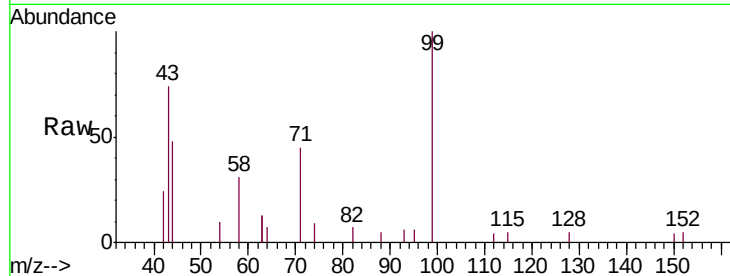
Tgt Ion: 99 Resp: 2323

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

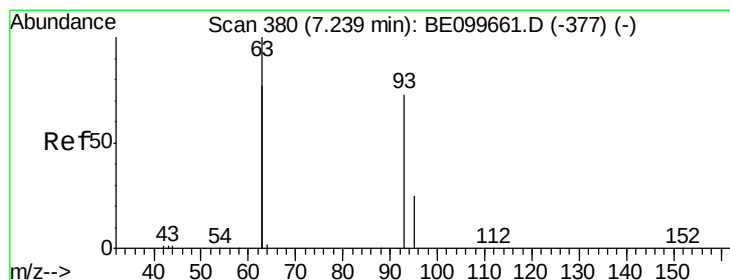
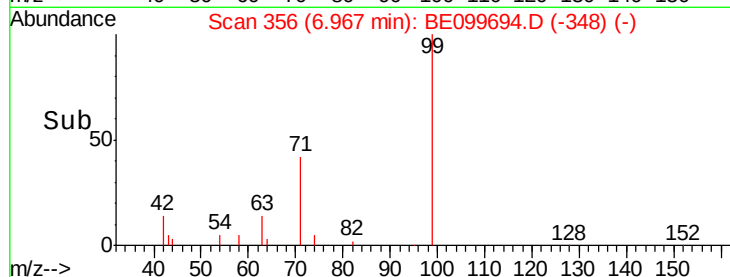
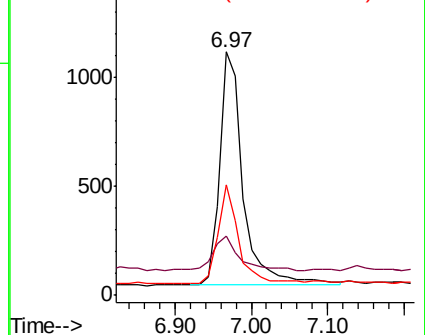
71 36.4 28.9 43.3



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: 0.374 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

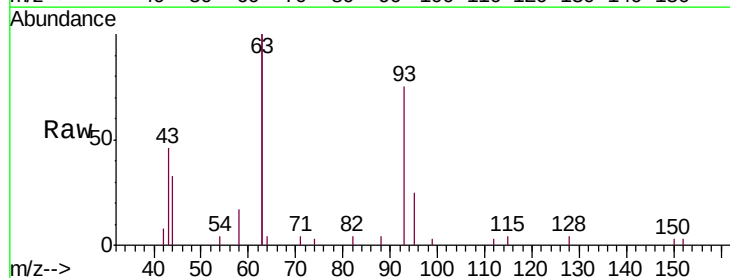
Tgt Ion: 93 Resp: 1950

Ion Ratio Lower Upper

93 100

63 256.2 207.8 311.6

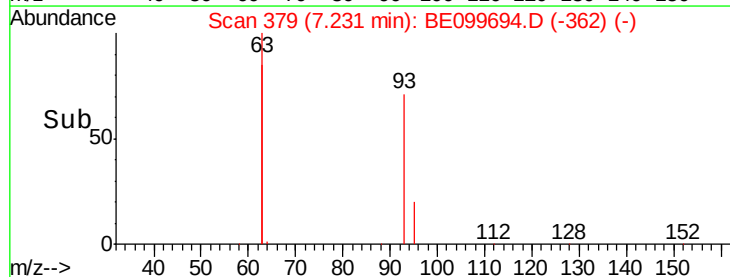
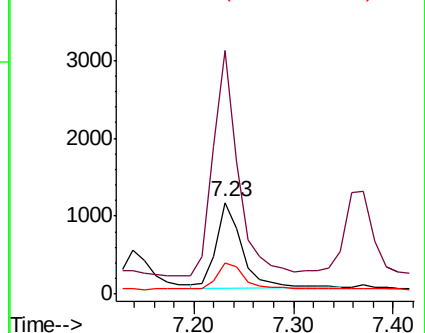
95 33.3 25.9 38.9

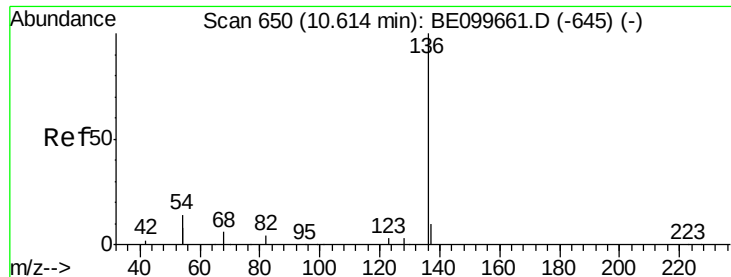


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

Tgt Ion:136 Resp: 5858

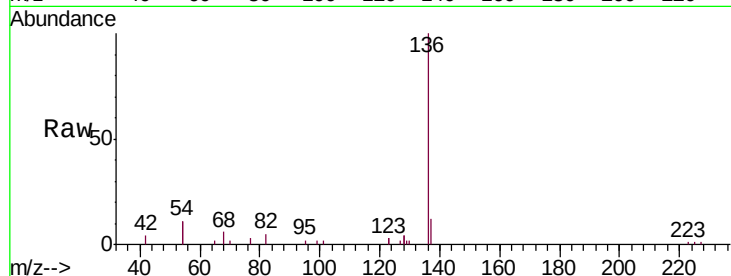
Ion Ratio Lower Upper

136 100

137 12.5 9.0 13.6

54 22.9 22.3 33.5

68 6.5 6.0 9.0

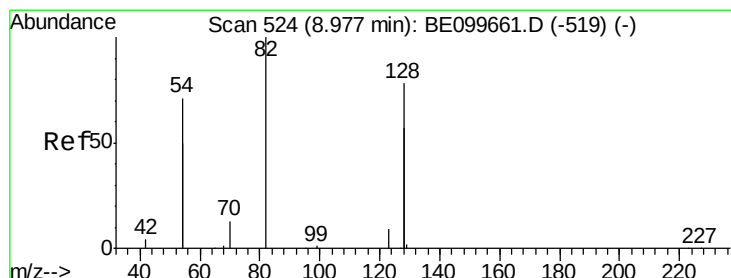
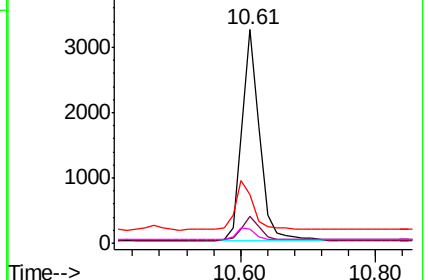
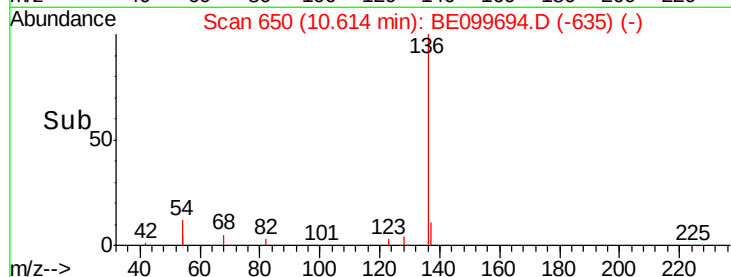


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.397 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

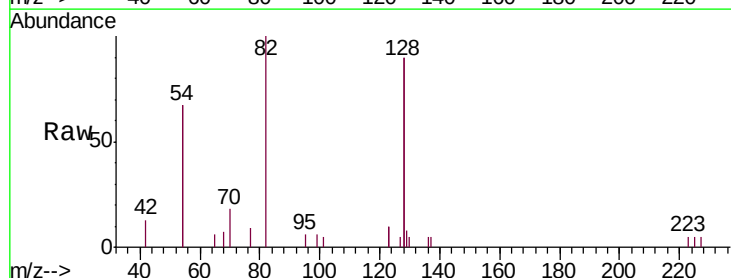
Tgt Ion: 82 Resp: 2013

Ion Ratio Lower Upper

82 100

128 179.6 117.7 176.5#

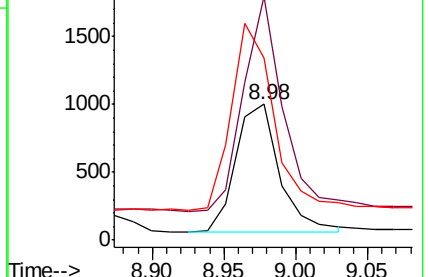
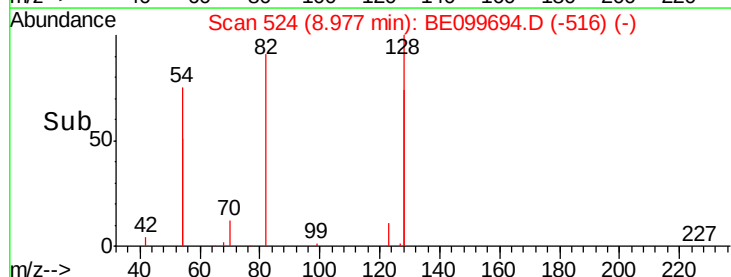
54 133.9 106.6 160.0

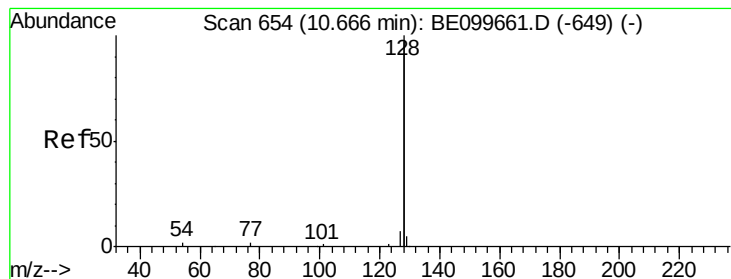


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.399 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

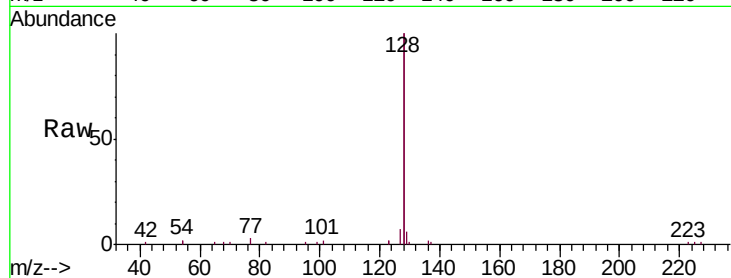
Tgt Ion:128 Resp: 24993

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

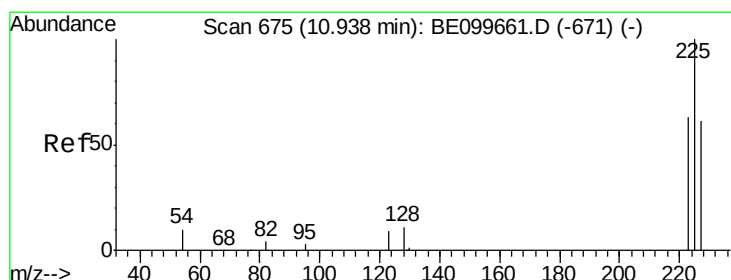
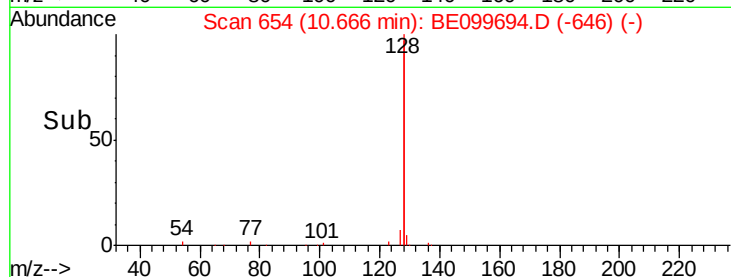
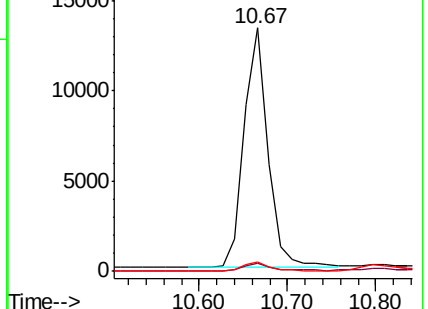
127 3.7 2.9 4.3



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: 0.394 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

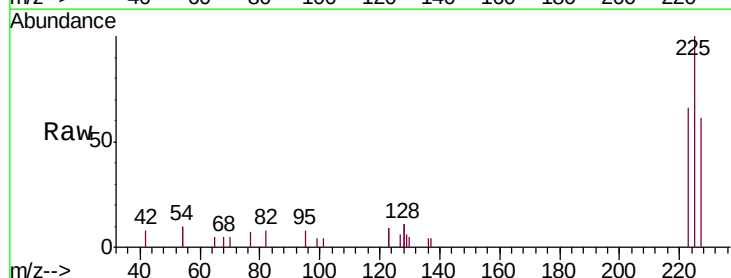
Tgt Ion:225 Resp: 1818

Ion Ratio Lower Upper

225 100

223 63.3 51.8 77.6

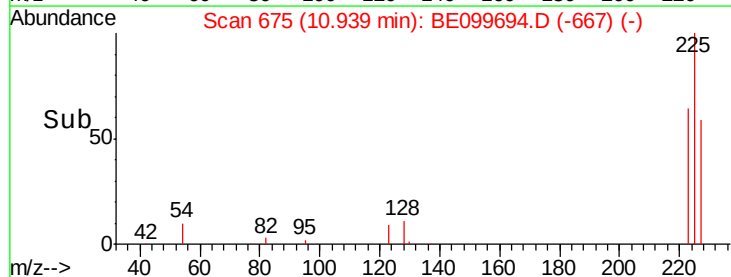
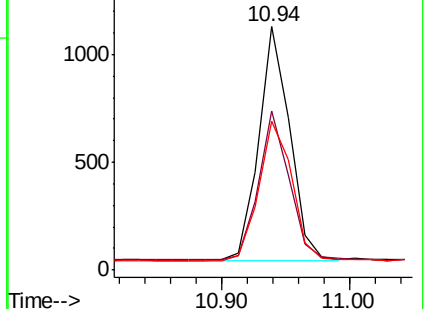
227 63.2 52.6 79.0

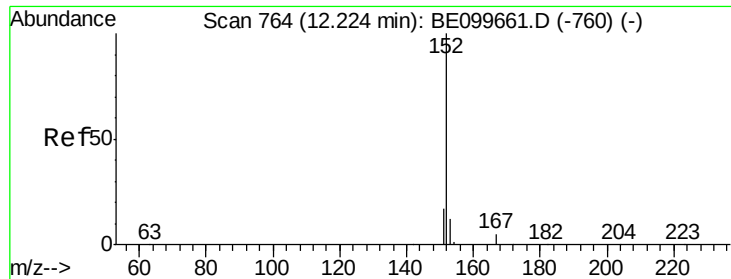


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

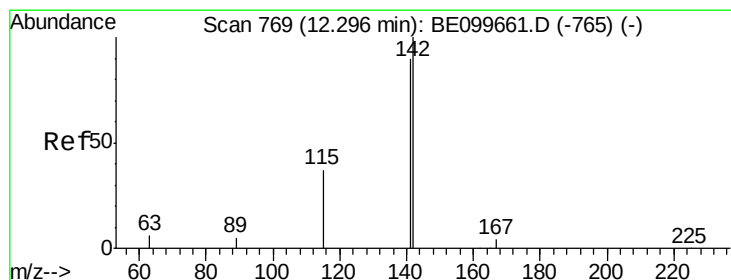
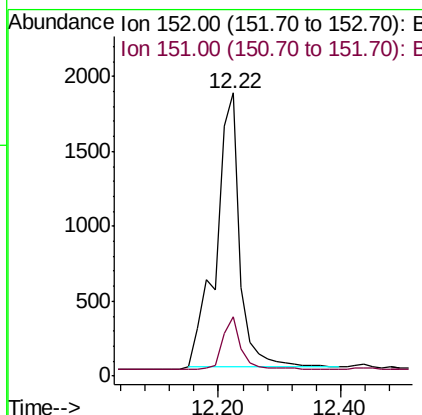
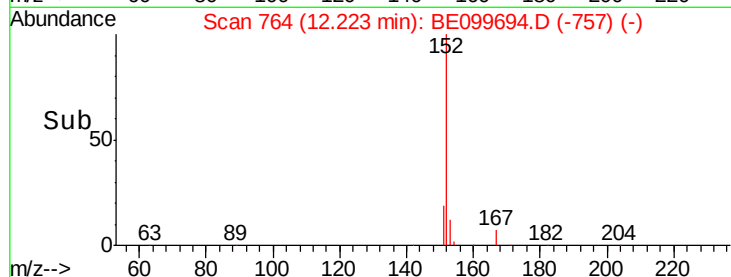
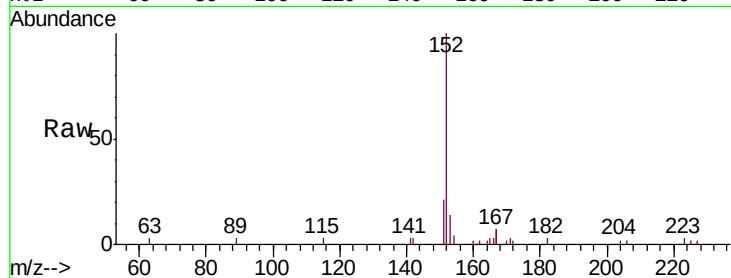




#11
 2-Methylnaphthalene-d10
 Concen: 0.490 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099694.D
 Acq: 21 May 2019 18:07

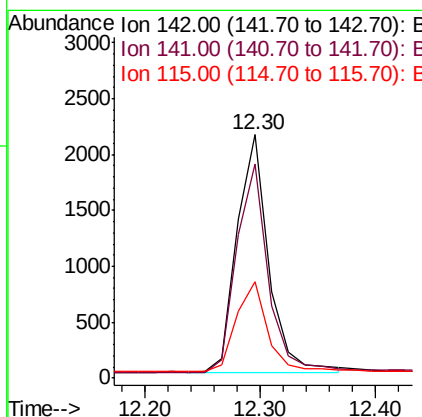
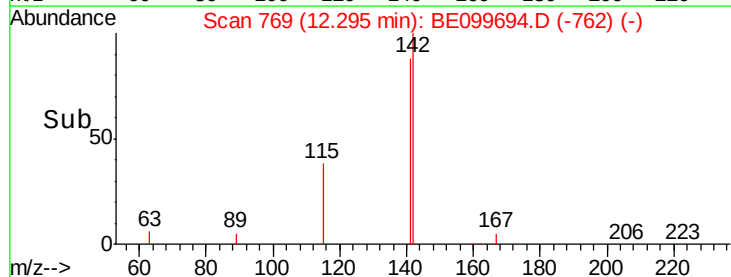
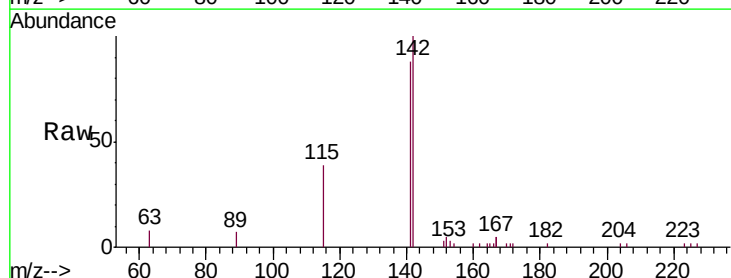
Instrument :
 BNA_E
 ClientSampleId :
 PB119824BS

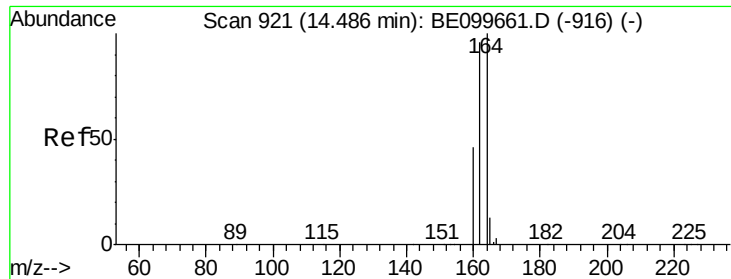
Tgt Ion:152 Resp: 4958
 Ion Ratio Lower Upper
 152 100
 151 14.9 15.0 22.4#



#12
 2-Methylnaphthalene
 Concen: 0.396 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE099694.D
 Acq: 21 May 2019 18:07

Tgt Ion:142 Resp: 4040
 Ion Ratio Lower Upper
 142 100
 141 88.2 72.0 108.0
 115 39.4 31.0 46.4

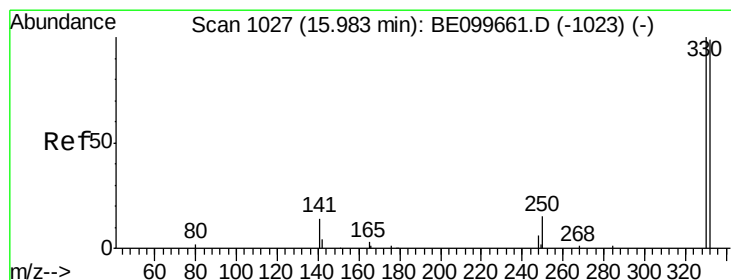
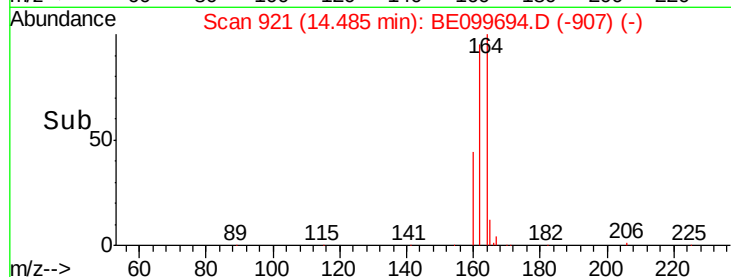
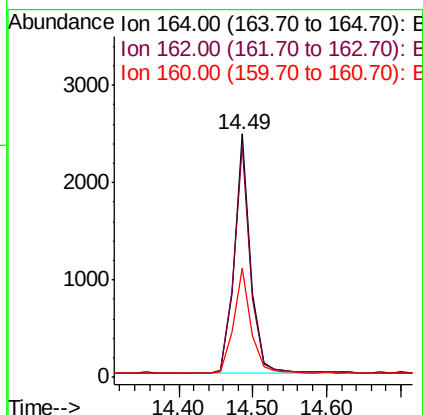
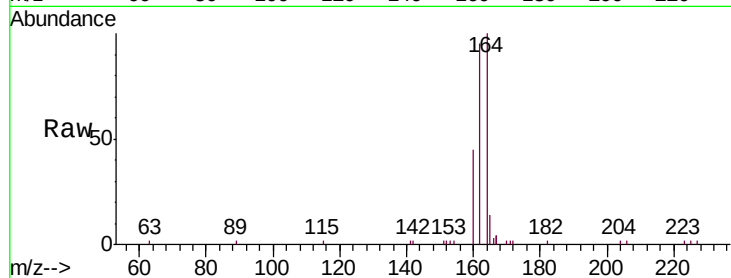




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099694.D
 Acq: 21 May 2019 18:07

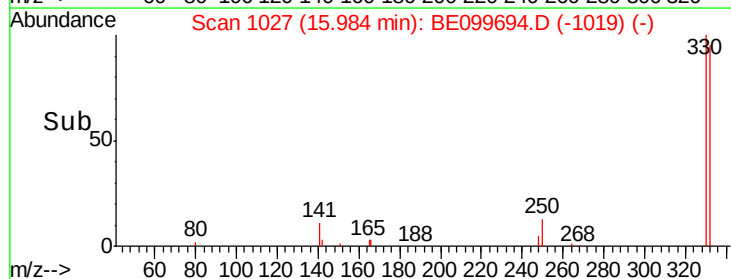
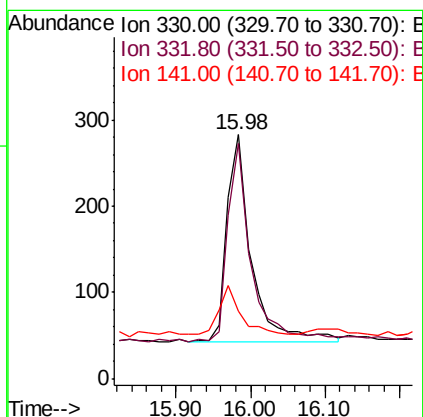
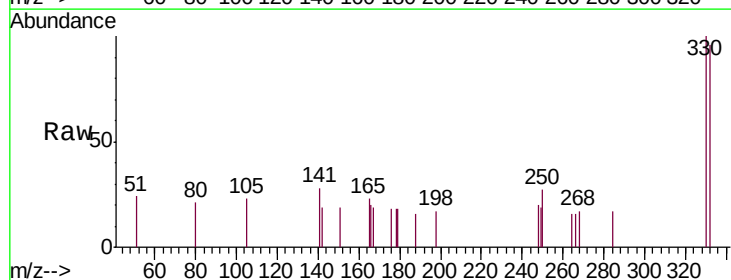
Instrument :
 BNA_E
 ClientSampleId :
 PB119824BS

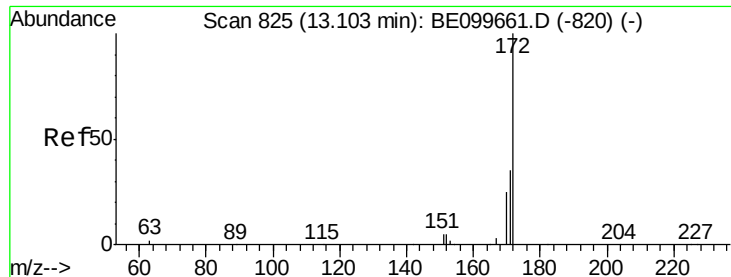
Tgt Ion:164 Resp: 3714
 Ion Ratio Lower Upper
 164 100
 162 95.4 76.5 114.7
 160 45.1 37.4 56.2



#14
 2,4,6-Tribromophenol
 Concen: 0.328 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099694.D
 Acq: 21 May 2019 18:07

Tgt Ion:330 Resp: 546
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.3 115.9
 141 20.5 18.9 28.3

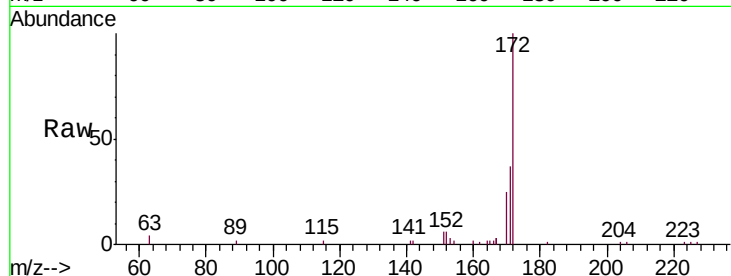




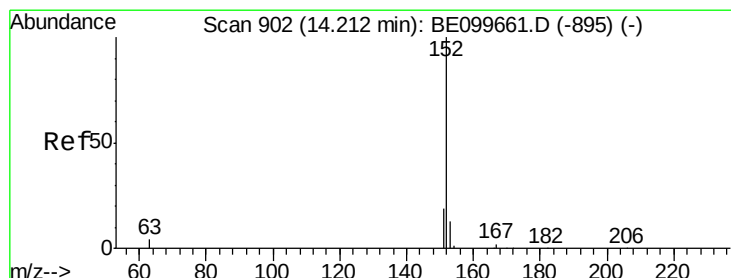
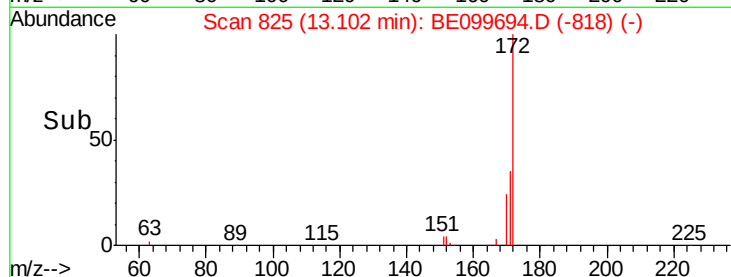
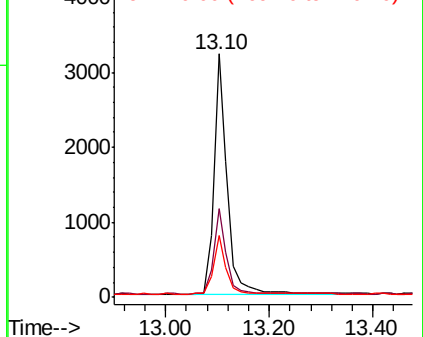
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099694.D
Acq: 21 May 2019 18:07

Instrument :
BNA_E
ClientSampleId :
PB119824BS

Tgt Ion:172 Resp: 5711
Ion Ratio Lower Upper
172 100
171 36.6 28.7 43.1
170 25.4 20.9 31.3

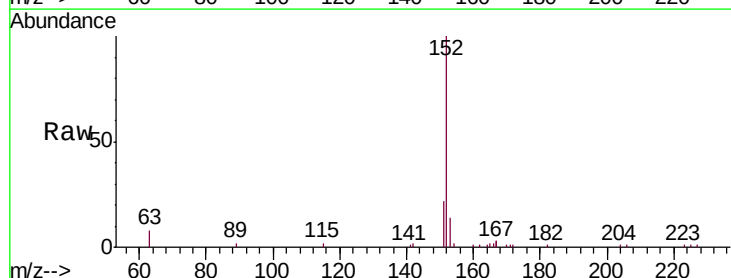


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

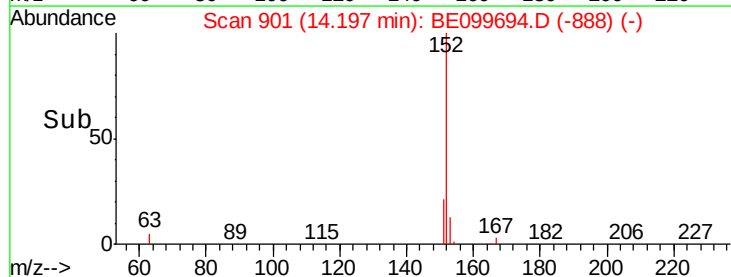
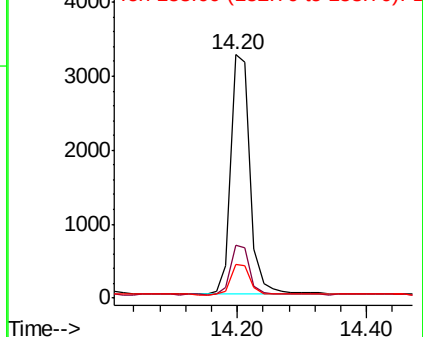


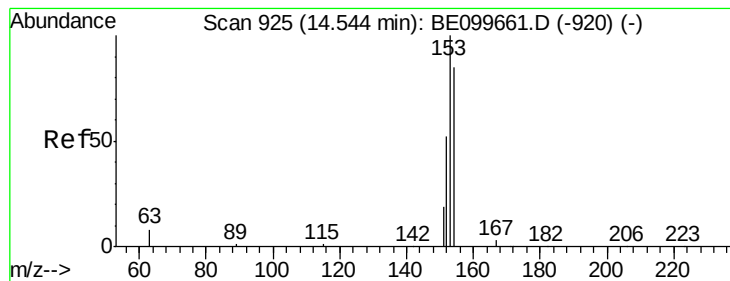
#16
Acenaphthylene
Concen: 0.388 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099694.D
Acq: 21 May 2019 18:07

Tgt Ion:152 Resp: 6719
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 13.2 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: 0.393 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

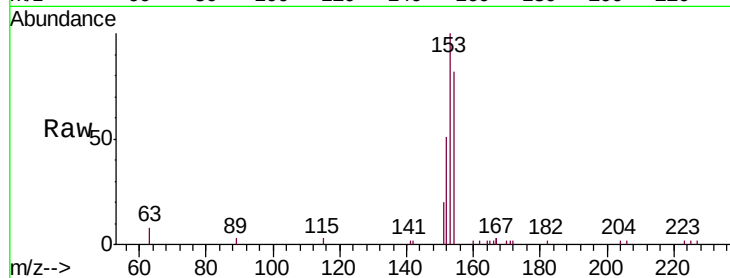
Tgt Ion:154 Resp: 3814

Ion Ratio Lower Upper

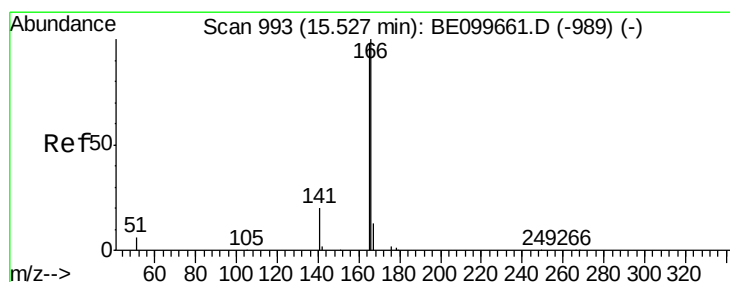
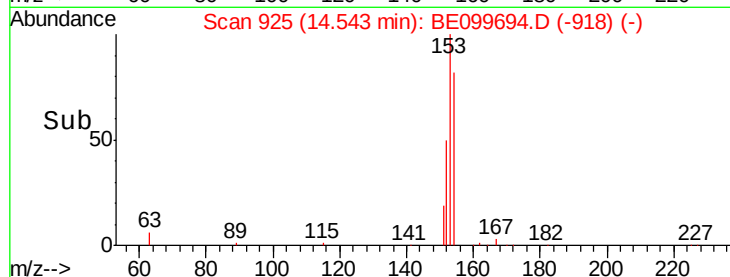
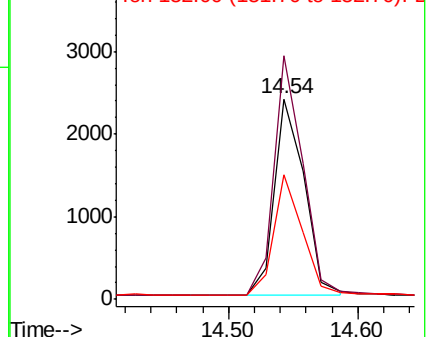
154 100

153 118.0 91.8 137.6

152 58.7 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: 0.374 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

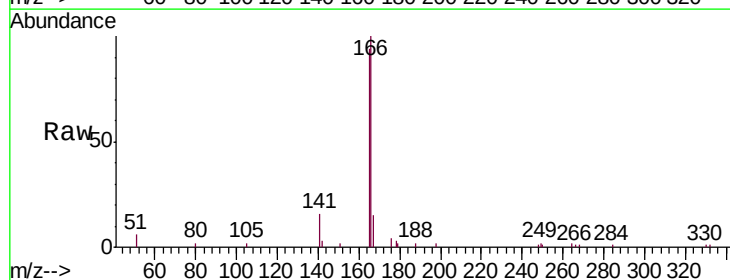
Tgt Ion:166 Resp: 5346

Ion Ratio Lower Upper

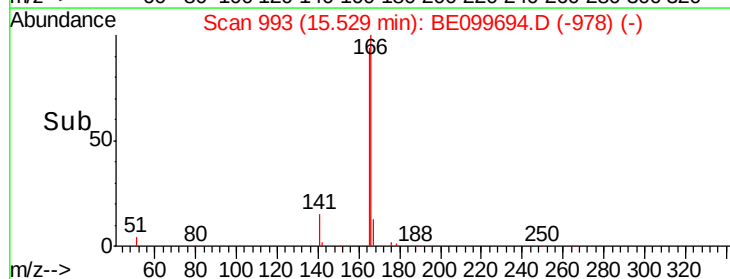
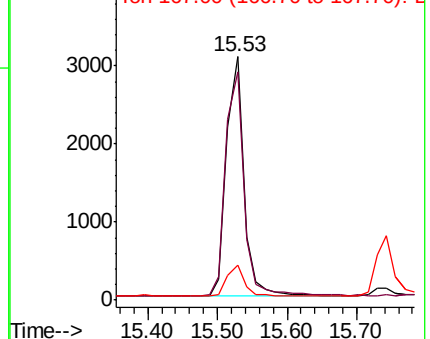
166 100

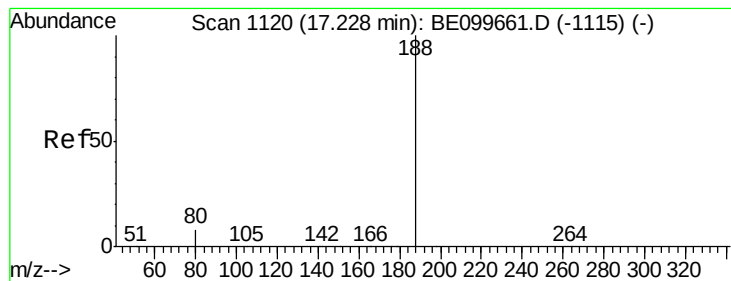
165 98.5 80.3 120.5

167 13.2 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: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

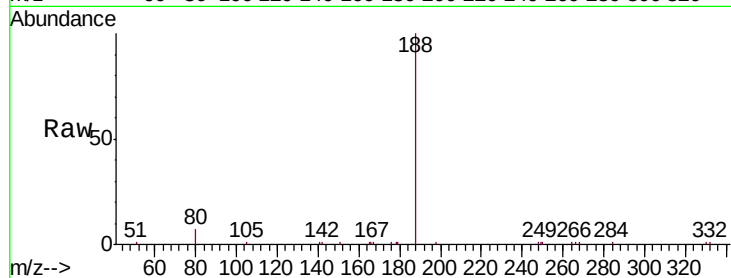
Tgt Ion:188 Resp: 9578

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

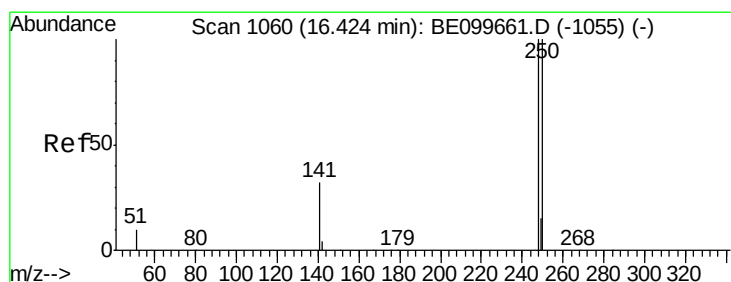
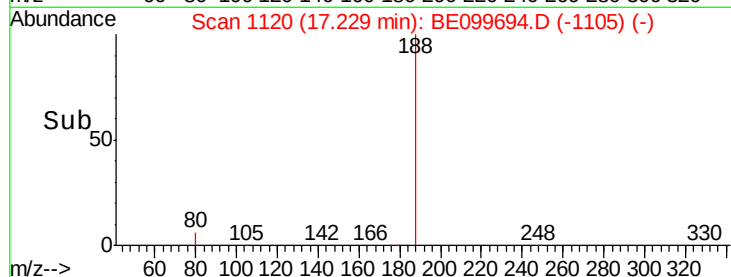
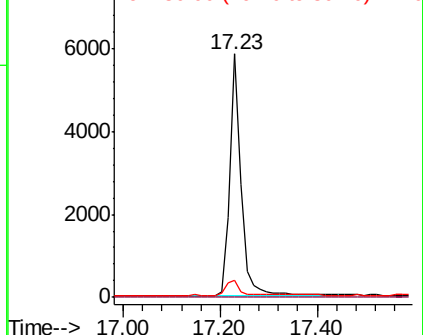
80 7.0 6.7 10.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.419 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

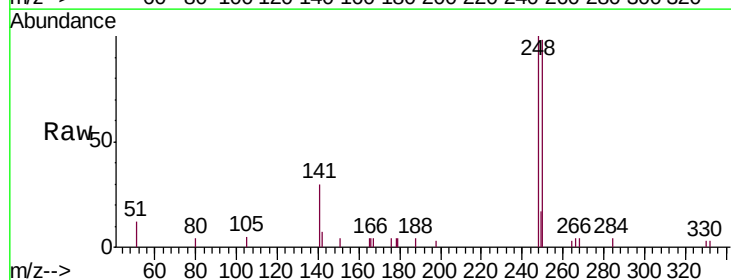
Tgt Ion:248 Resp: 2314

Ion Ratio Lower Upper

248 100

250 98.3 79.8 119.8

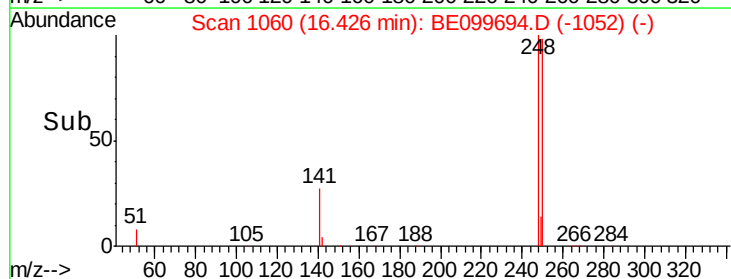
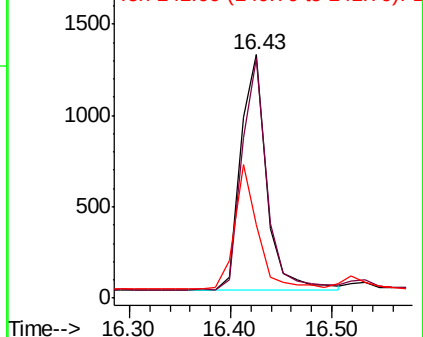
141 30.2 27.0 40.6

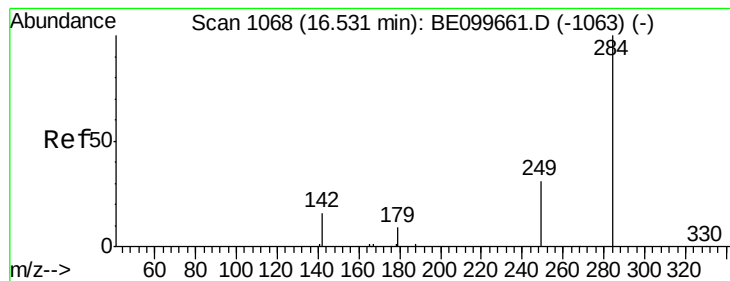


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.427 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

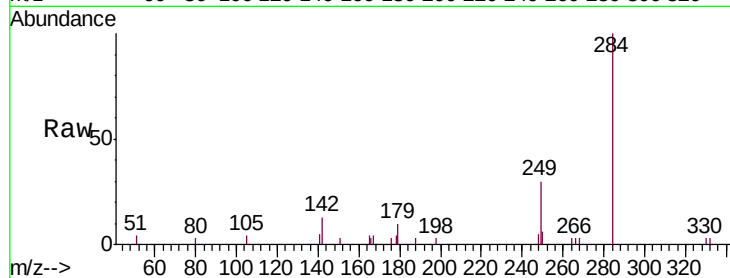
Tgt Ion:284 Resp: 2413

Ion Ratio Lower Upper

284 100

142 21.9 17.8 26.6

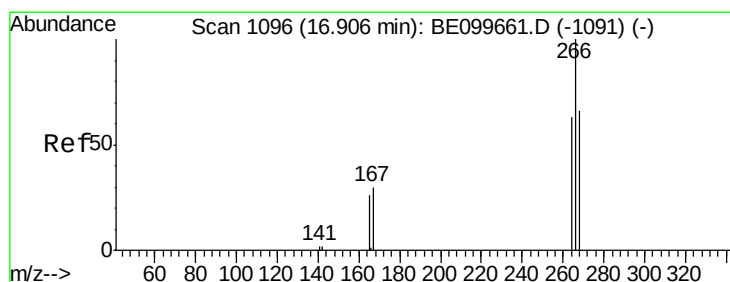
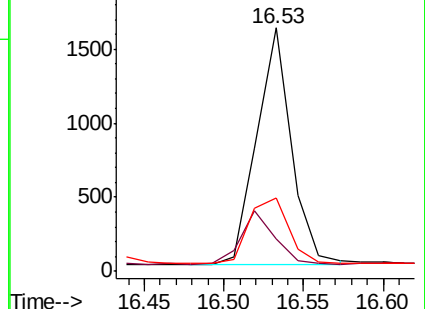
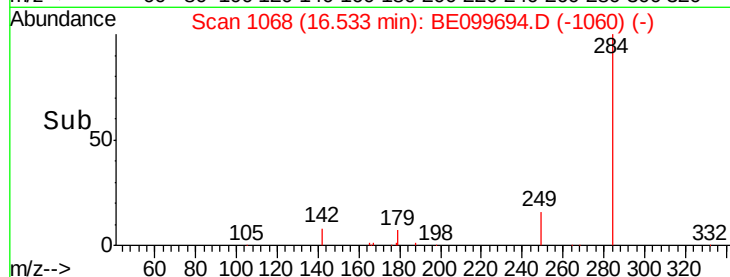
249 32.1 24.8 37.2



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: 0.565 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.01 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

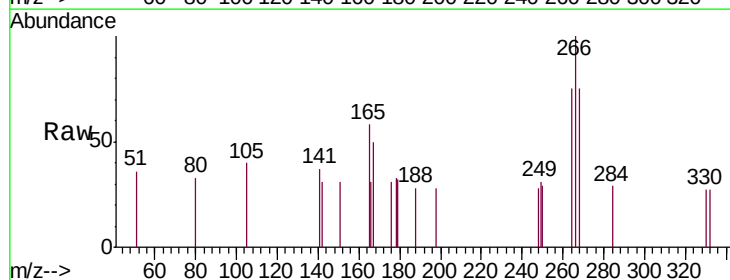
Tgt Ion:266 Resp: 682

Ion Ratio Lower Upper

266 100

264 75.3 57.2 85.8

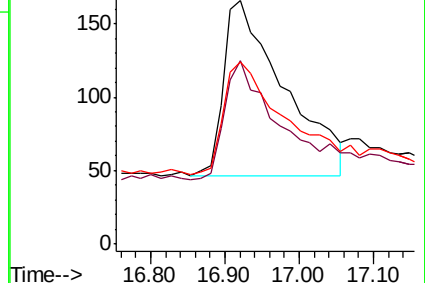
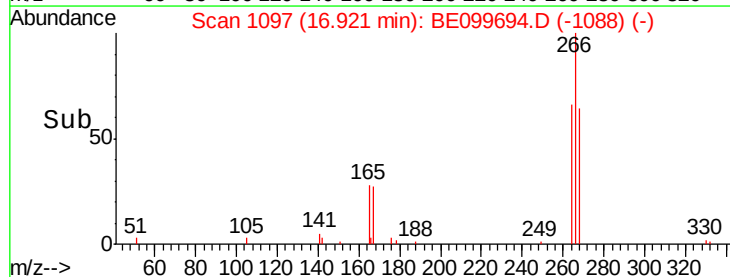
268 74.7 60.5 90.7

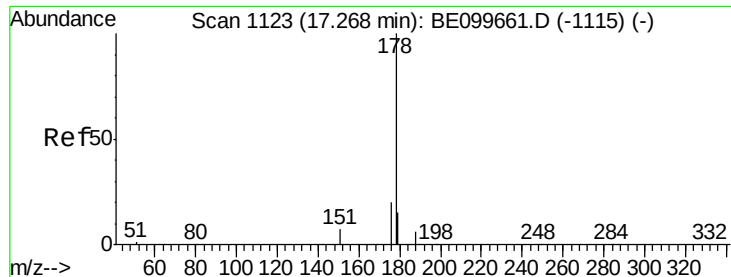


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.400 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

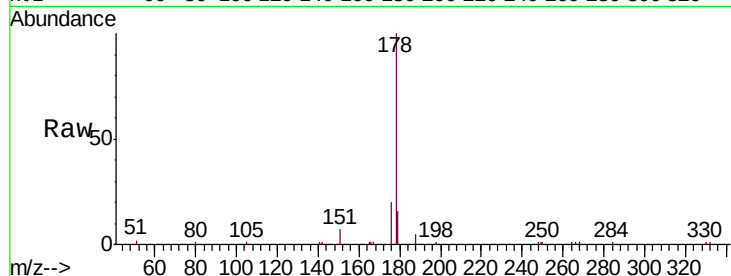
Tgt Ion:178 Resp: 9354

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

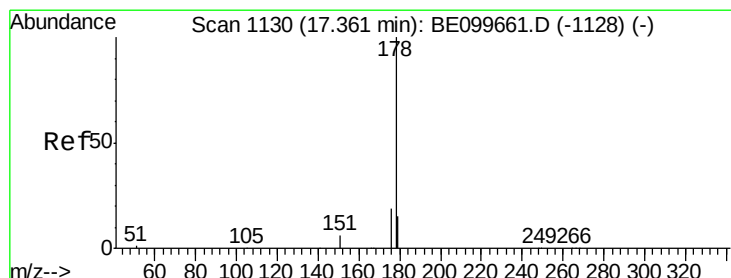
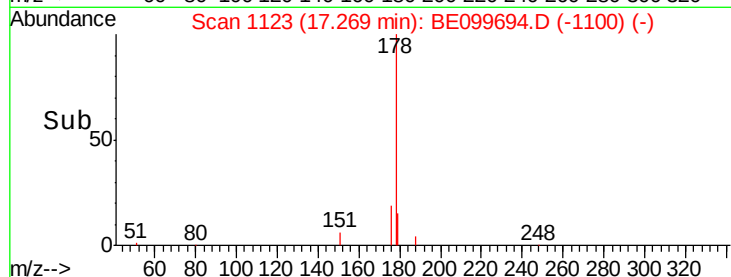
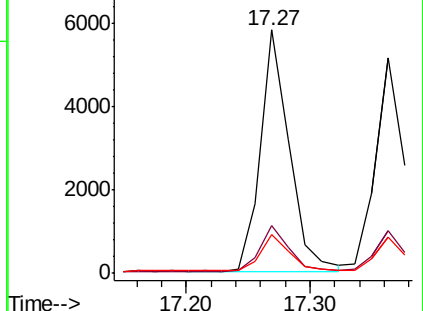
179 15.2 12.2 18.4



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: 0.397 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

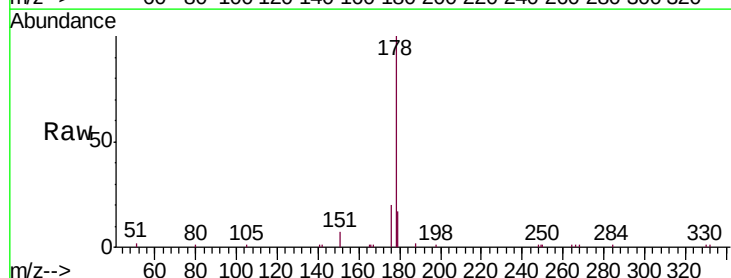
Tgt Ion:178 Resp: 8428

Ion Ratio Lower Upper

178 100

176 18.9 14.7 22.1

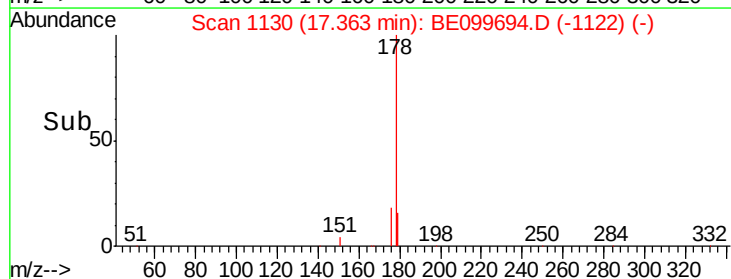
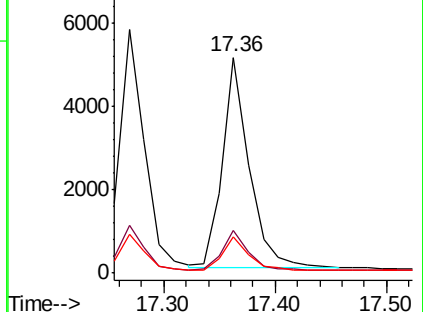
179 15.7 12.0 18.0

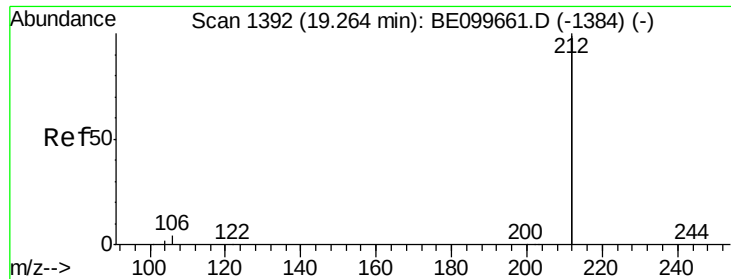


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.389 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

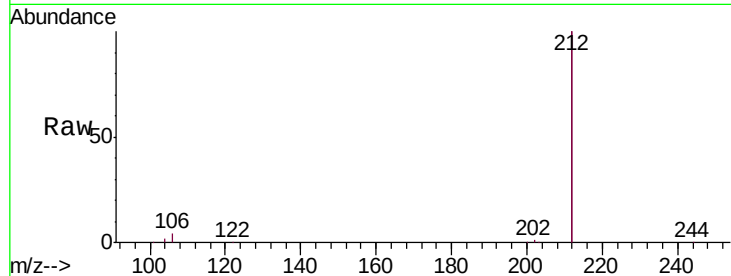
Tgt Ion:212 Resp: 50847

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

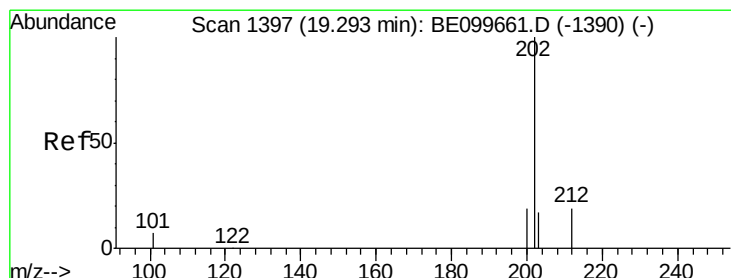
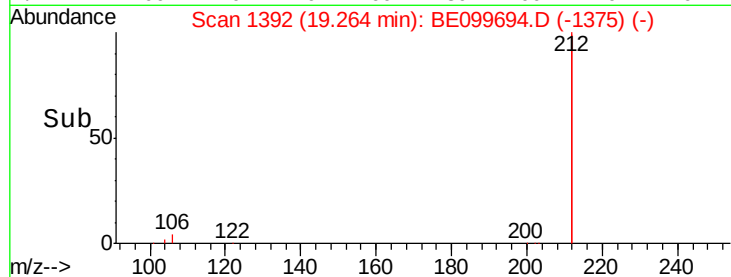
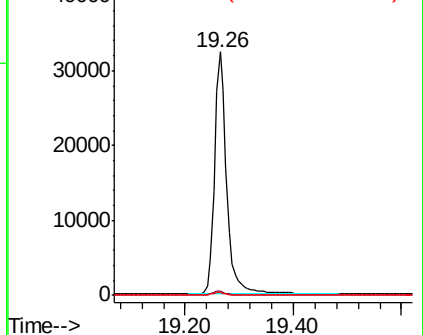
104 1.0 0.8 1.2



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: 0.392 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

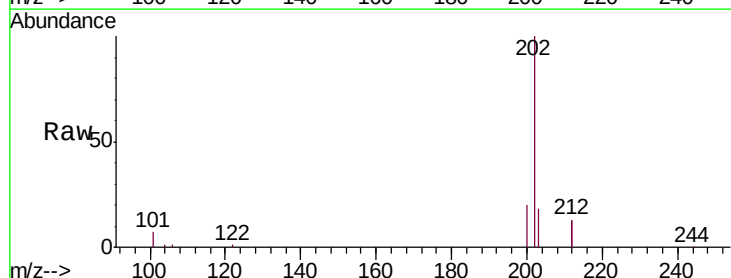
Tgt Ion:202 Resp: 14510

Ion Ratio Lower Upper

202 100

101 6.6 5.2 7.8

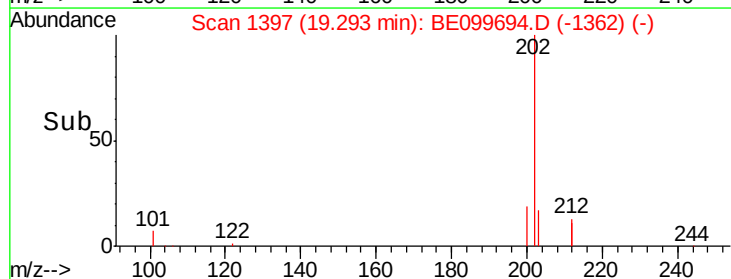
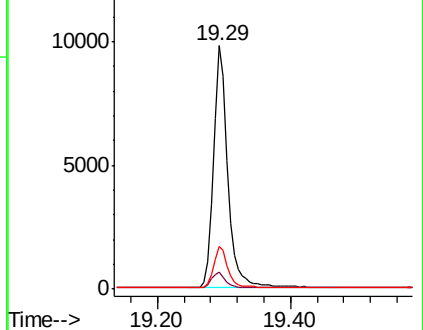
203 16.9 13.8 20.6

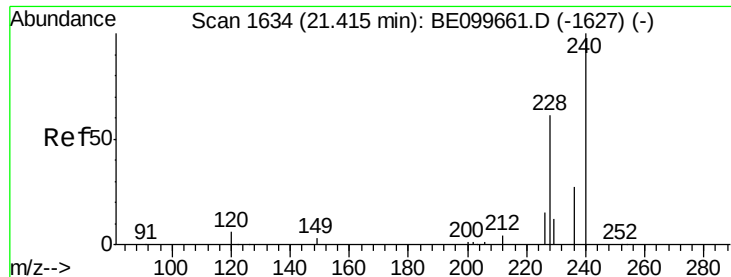


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

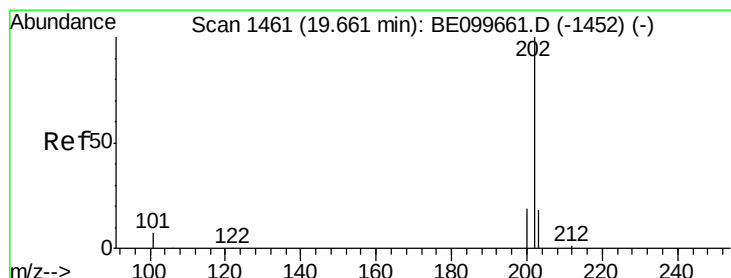
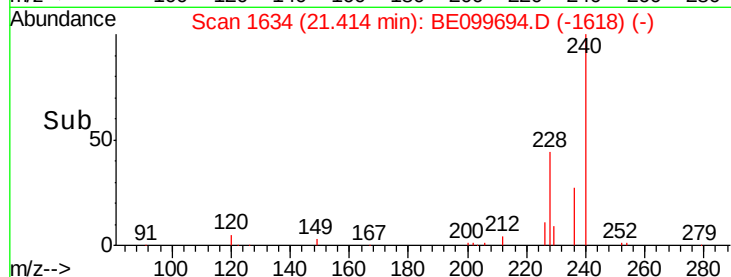
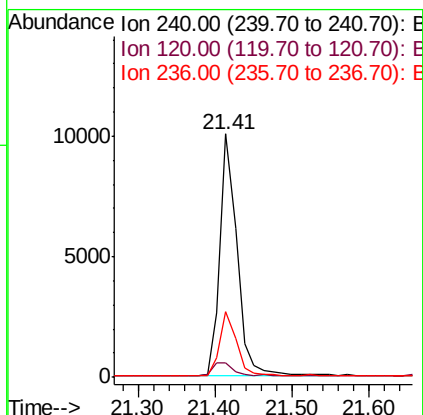
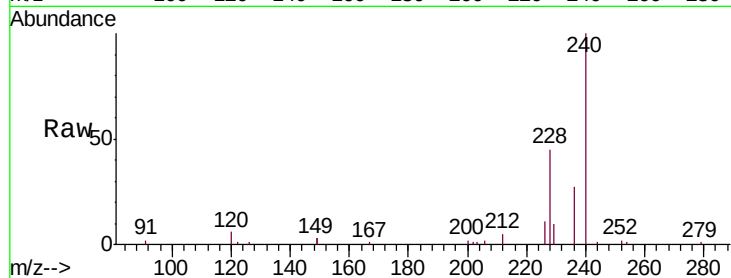




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: BE099694.D
 Acq: 21 May 2019 18:07

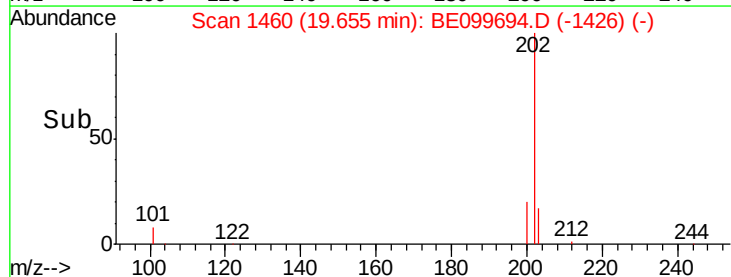
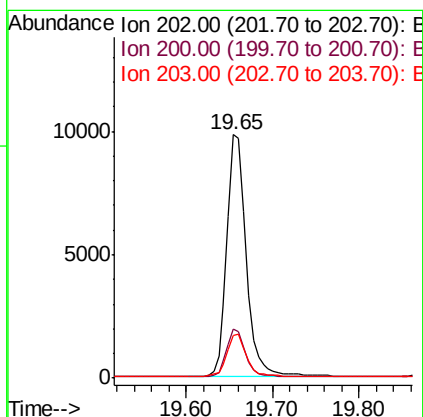
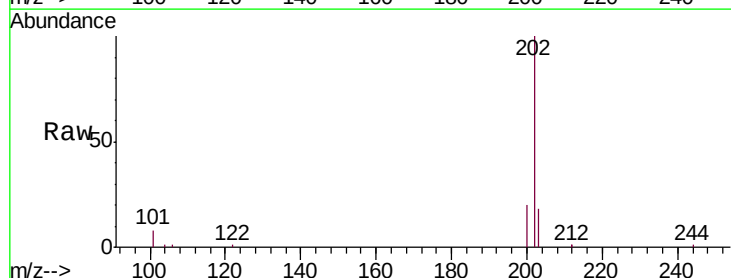
Instrument :
 BNA_E
 ClientSampleId :
 PB119824BS

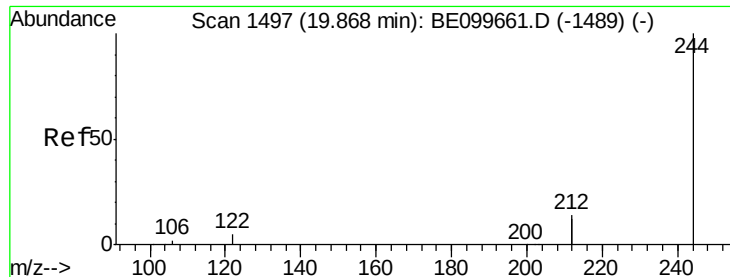
Tgt Ion:240 Resp: 15564
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.4 8.0
 236 27.2 21.7 32.5



#28
 Pyrene
 Concen: 0.390 ng
 RT: 19.65 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099694.D
 Acq: 21 May 2019 18:07

Tgt Ion:202 Resp: 15255
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.4 23.2
 203 18.0 13.8 20.8





#29

Terphenyl-d14

Concen: 0.402 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

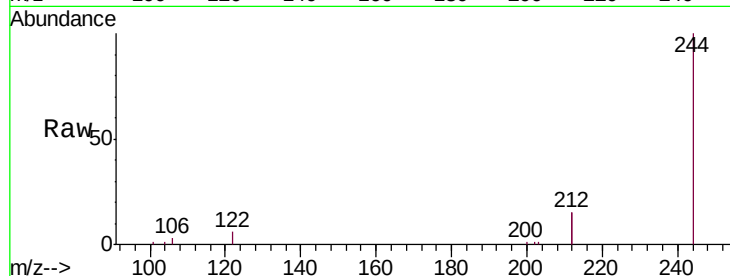
Tgt Ion:244 Resp: 11159

Ion Ratio Lower Upper

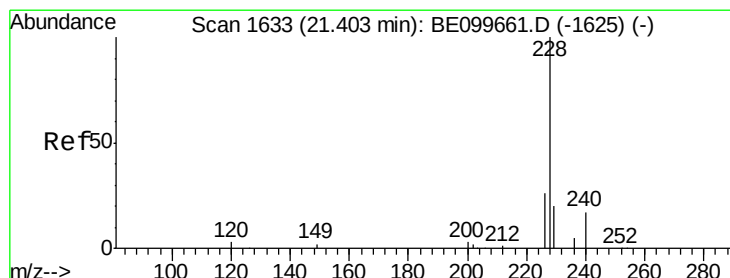
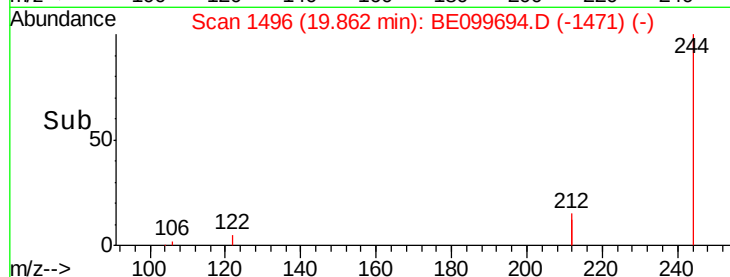
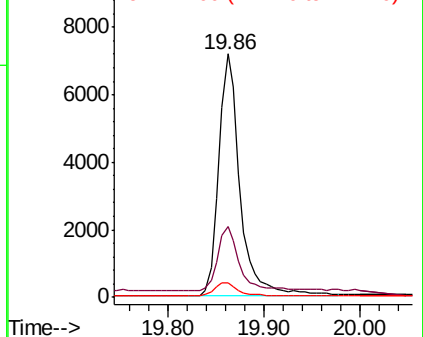
244 100

212 29.3 22.5 33.7

122 6.1 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: 0.467 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

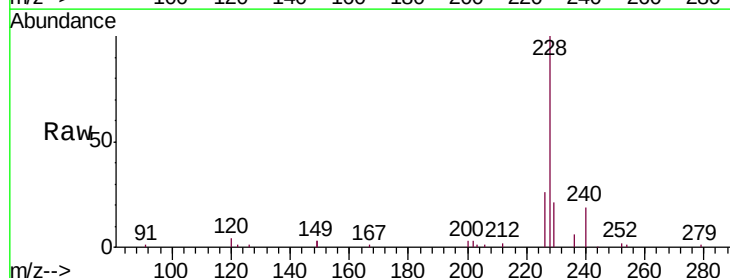
Tgt Ion:228 Resp: 20638

Ion Ratio Lower Upper

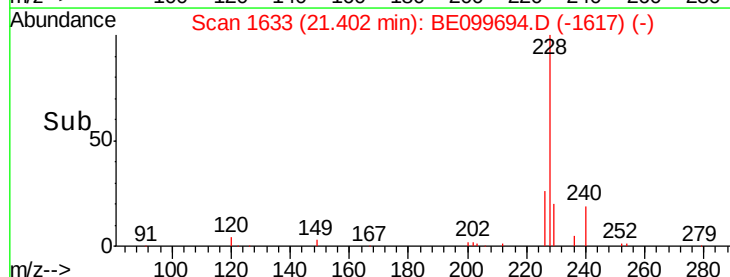
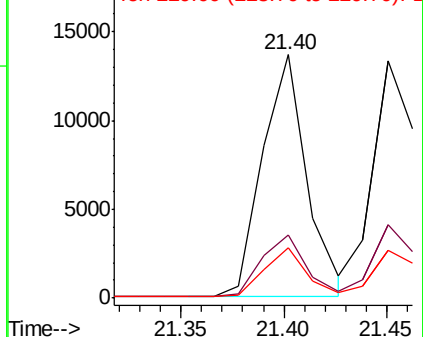
228 100

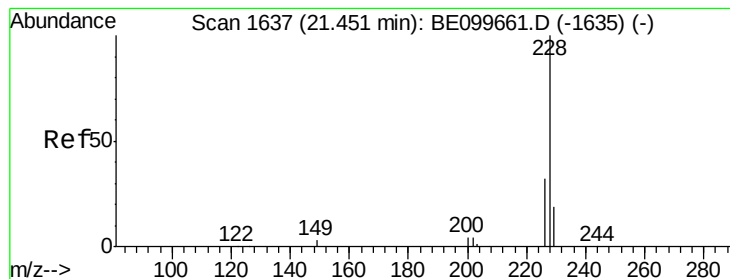
226 26.0 21.3 31.9

229 20.5 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: 0.444 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

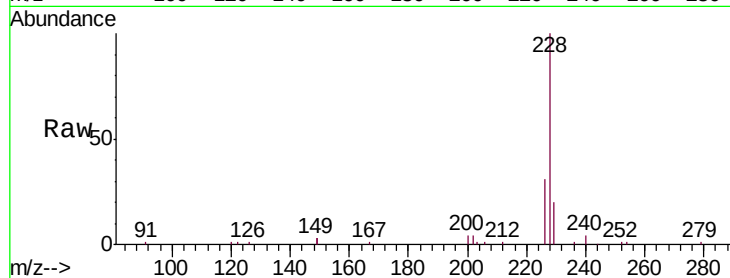
Tgt Ion:228 Resp: 20991

Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

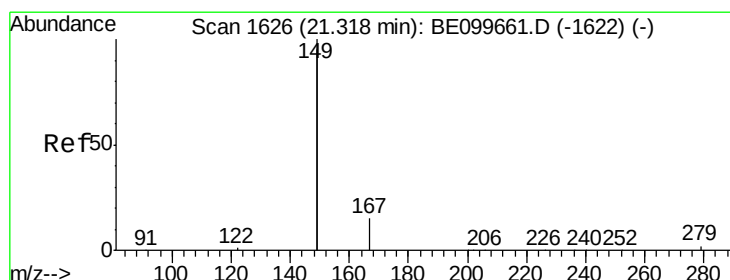
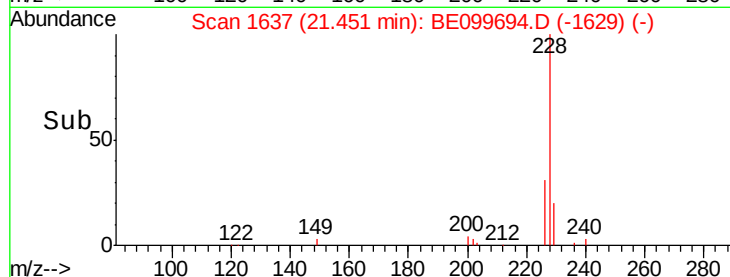
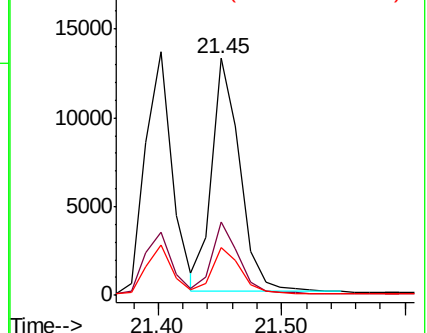
229 20.0 15.8 23.6



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: 0.499 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

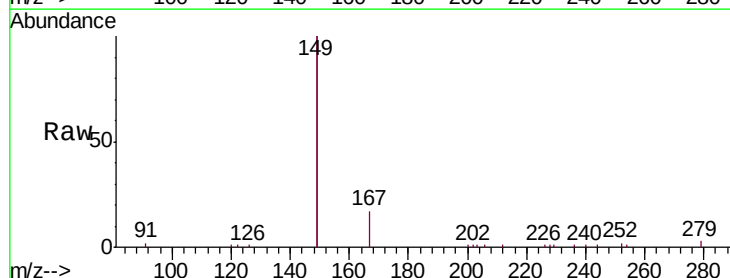
Tgt Ion:149 Resp: 25415

Ion Ratio Lower Upper

149 100

167 7.8 6.2 9.4

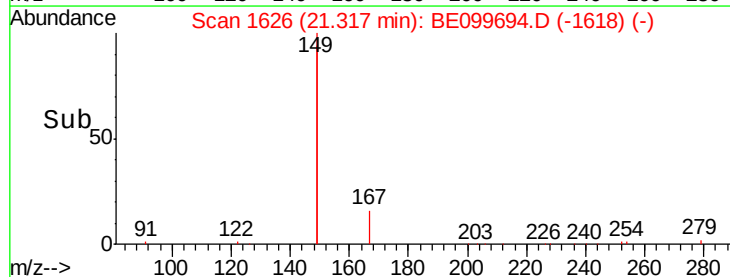
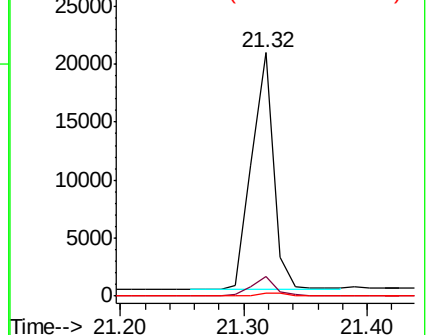
279 1.4 1.2 1.8

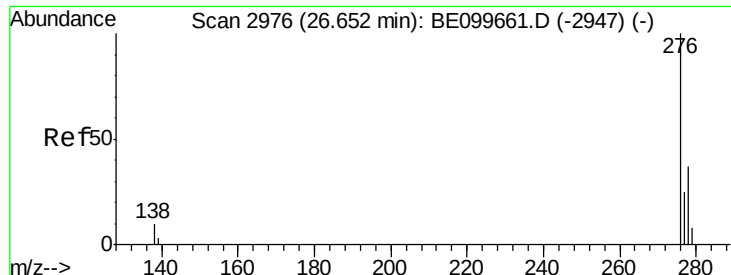


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.466 ng

RT: 26.65 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

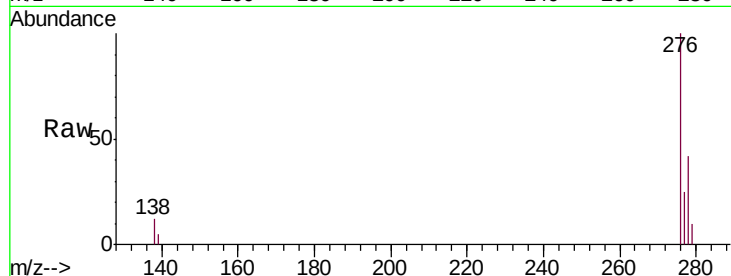
Tgt Ion:276 Resp: 26586

Ion Ratio Lower Upper

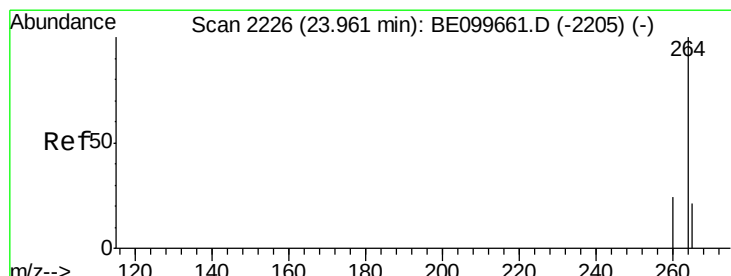
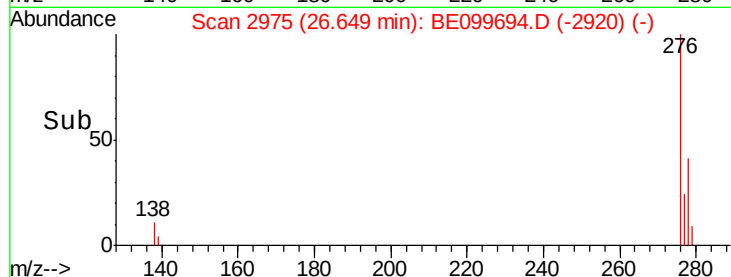
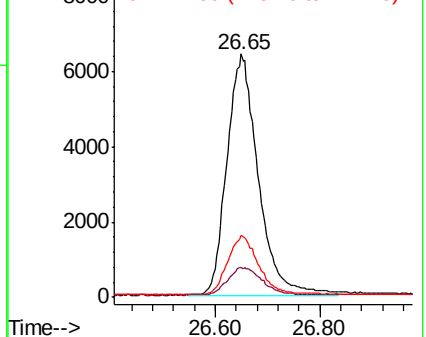
276 100

138 12.3 9.6 14.4

277 24.4 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: 23.96 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

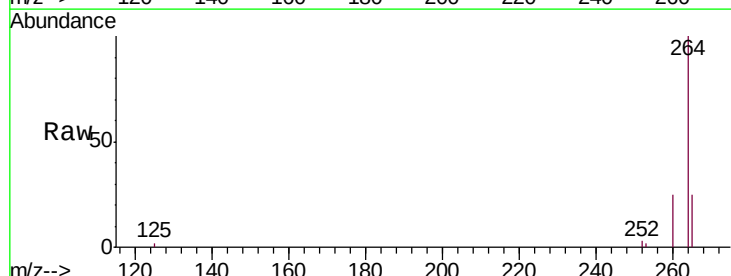
Tgt Ion:264 Resp: 18837

Ion Ratio Lower Upper

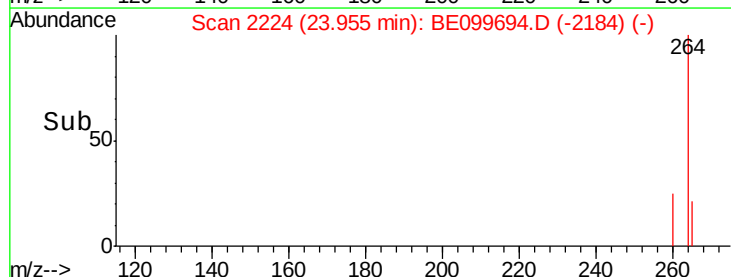
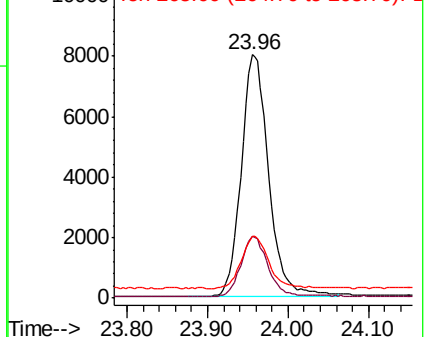
264 100

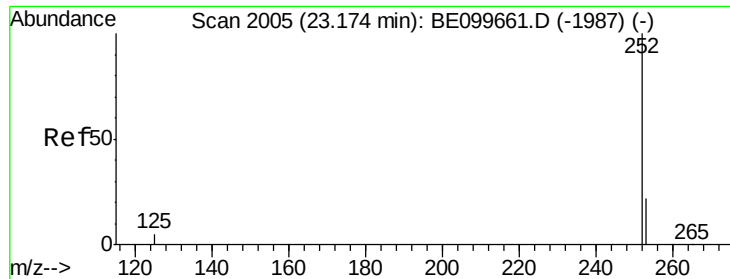
260 25.3 19.6 29.4

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: 0.439 ng

RT: 23.22 min Scan# 2019

Delta R.T. 0.05 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

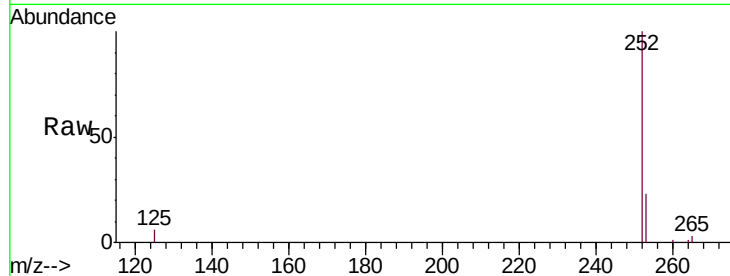
Tgt Ion:252 Resp: 22645

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

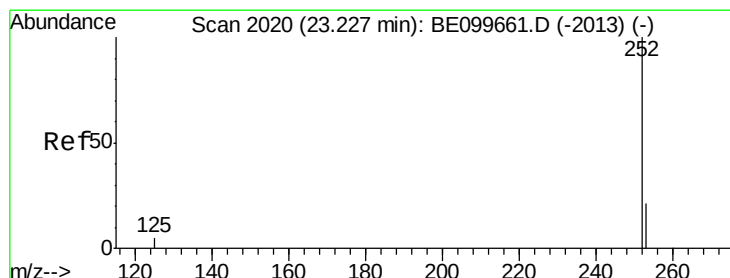
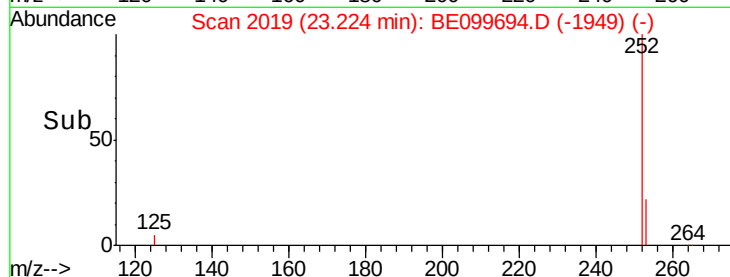
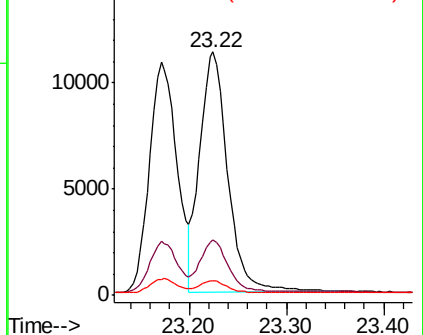
125 5.9 4.5 6.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.421 ng

RT: 23.22 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

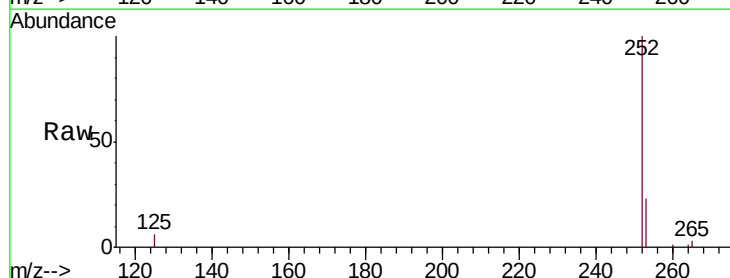
Tgt Ion:252 Resp: 22645

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

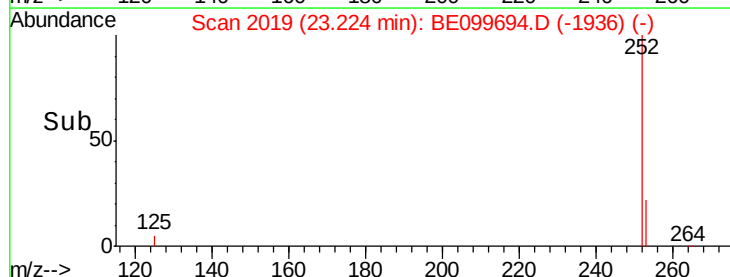
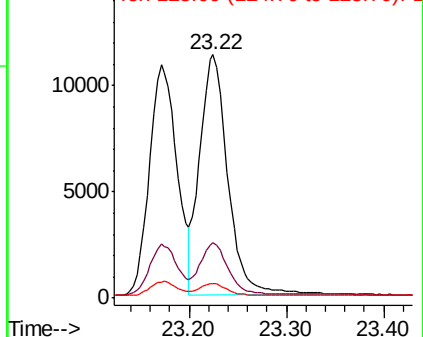
125 5.9 4.6 6.8

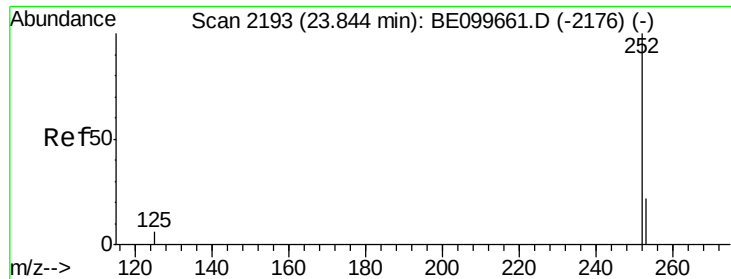


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.440 ng

RT: 23.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS

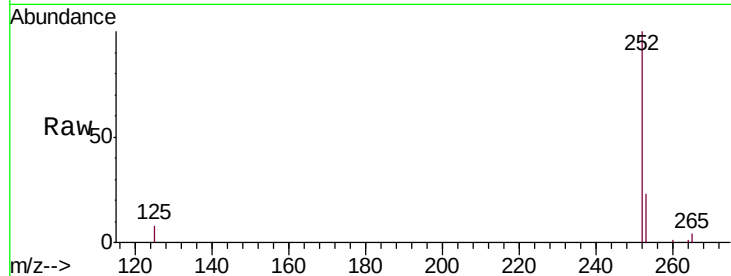
Tgt Ion:252 Resp: 21865

Ion Ratio Lower Upper

252 100

253 22.7 18.9 28.3

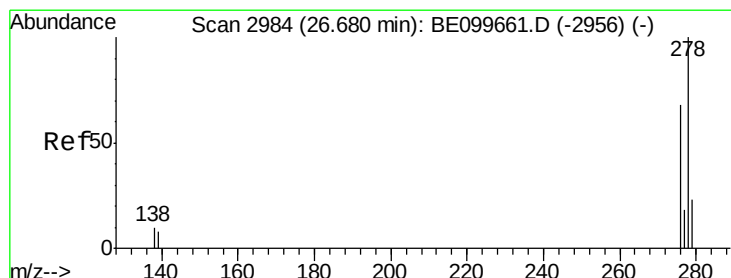
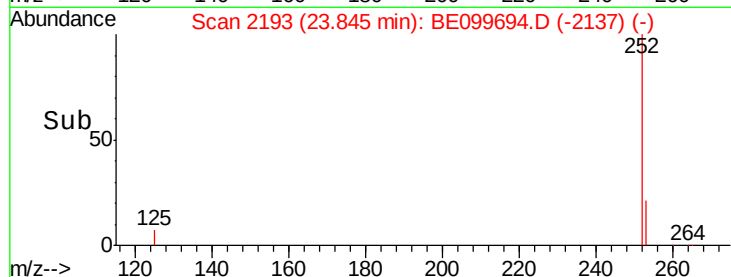
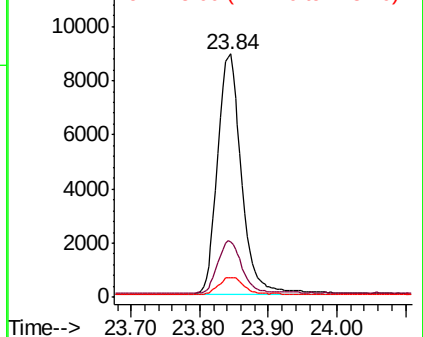
125 8.1 5.4 8.0#



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: 0.419 ng

RT: 26.68 min Scan# 2983

Delta R.T. -0.00 min

Lab File: BE099694.D

Acq: 21 May 2019 18:07

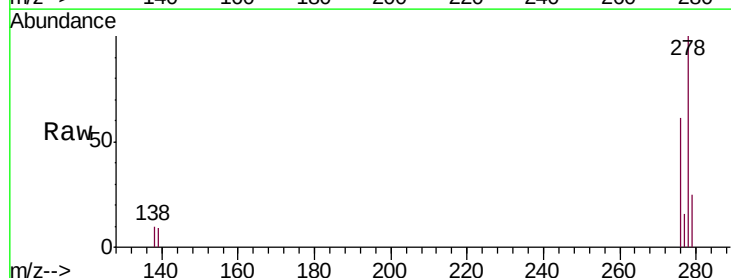
Tgt Ion:278 Resp: 21848

Ion Ratio Lower Upper

278 100

139 9.2 6.9 10.3

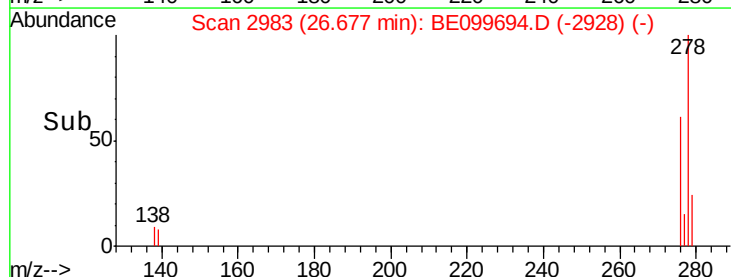
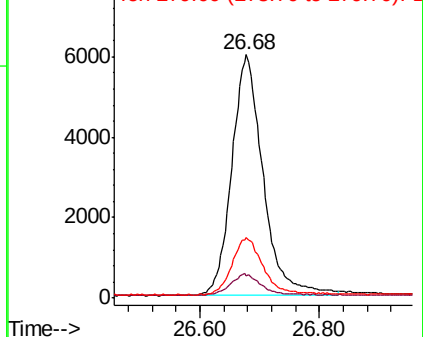
279 24.9 19.2 28.8

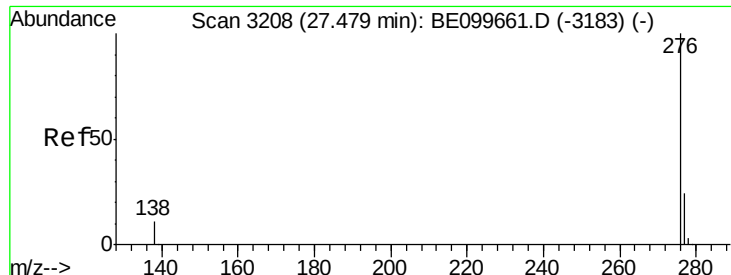


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.430 ng

RT: 27.48 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BE099694.D

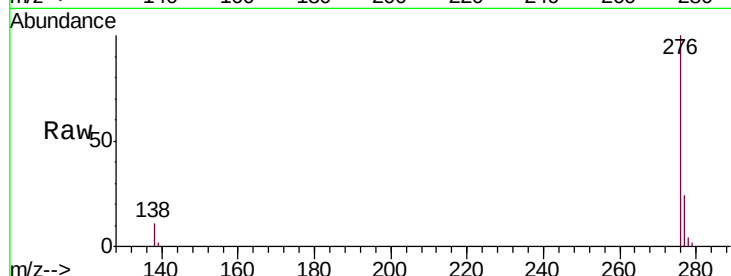
Acq: 21 May 2019 18:07

Instrument :

BNA_E

ClientSampleId :

PB119824BS



Tgt Ion: 276 Resp: 22663

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.6

138 11.1 9.2 13.8

Abundance Ion 276.00 (275.70 to 276.70): E
8000 Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

