

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050919\
 Data File : BE099587.D
 Acq On : 9 May 2019 12:20
 Operator : JU/SJ
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 09 12:56:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 09 11:50:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1605	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	5658	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	3818	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	10364	0.40	ng	0.00
27) Chrysene-d12	21.43	240	15749	0.40	ng	0.00
34) Perylene-d12	23.97	264	16716	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	14344	3.22	ng	0.00
5) Phenol-d6	6.98	99	19526	3.33	ng	0.00
8) Nitrobenzene-d5	8.98	82	19280	3.54	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	31740	3.22	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	8501	3.34	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	48834	3.38	ng	0.00
25) Fluoranthene-d10	19.27	212	458189	3.28	ng	0.00
29) Terphenyl-d14	19.87	244	93076	3.19	ng	0.00

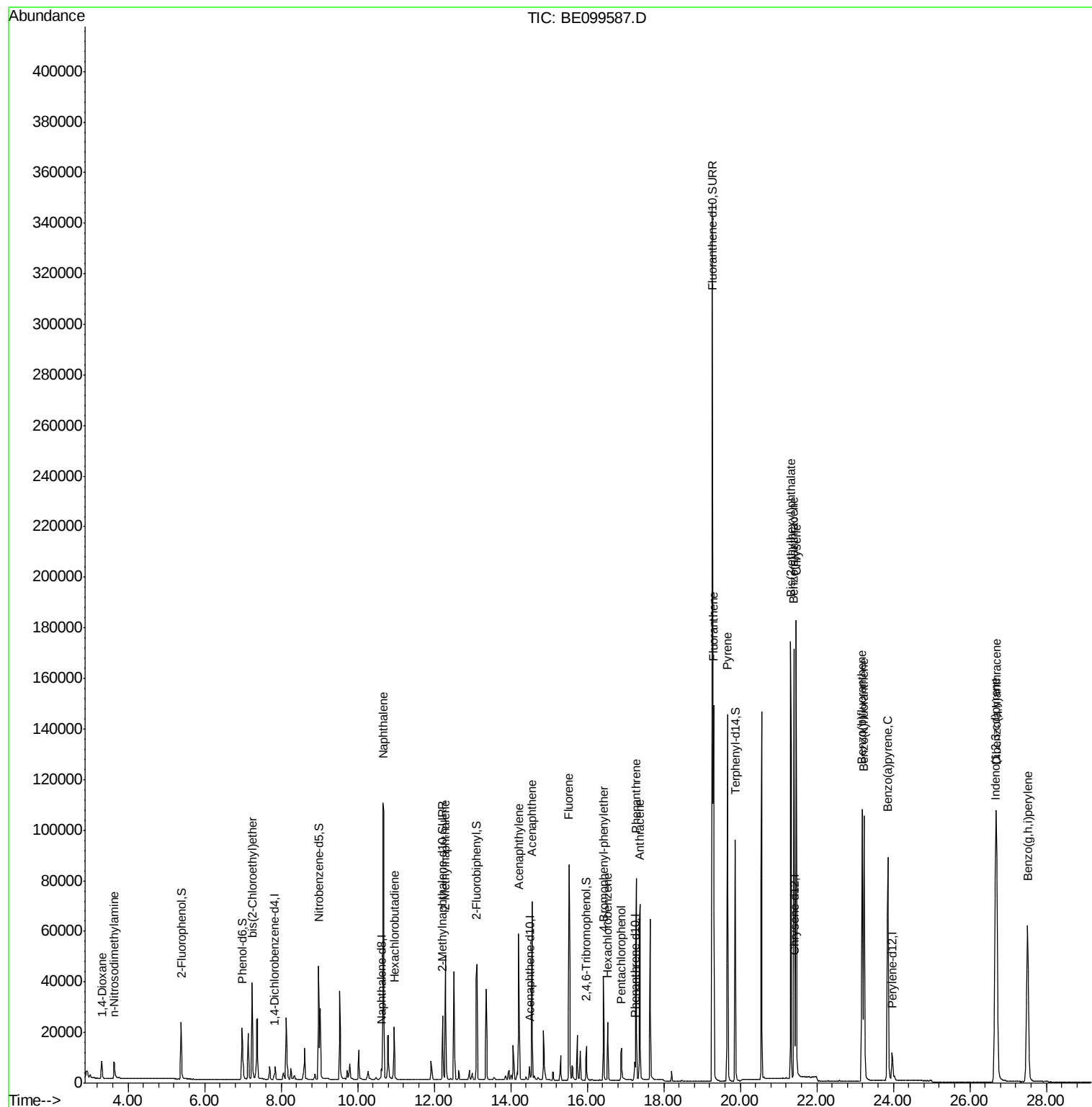
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	6833	3.014	ng	90
3) n-Nitrosodimethylamine	3.62	42	4795	3.196	ng	# 98
6) bis(2-Chloroethyl)ether	7.24	93	15802	3.239	ng	97
9) Naphthalene	10.67	128	199569	3.330	ng	100
10) Hexachlorobutadiene	10.95	225	14105	3.240	ng	98
12) 2-Methylnaphthalene	12.29	142	33763	3.324	ng	97
16) Acenaphthylene	14.21	152	62574	3.397	ng	100
17) Acenaphthene	14.56	154	34915	3.392	ng	98
18) Fluorene	15.53	166	49800	3.388	ng	98
20) 4-Bromophenyl-phenylether	16.42	248	20609	3.499	ng	95
21) Hexachlorobenzene	16.53	284	19987	3.412	ng	99
22) Pentachlorophenol	16.89	266	9353	3.881	ng	94
23) Phenanthrene	17.28	178	87152	3.412	ng	100
24) Anthracene	17.37	178	86674	3.528	ng	99
26) Fluoranthene	19.30	202	131904	3.353	ng	99
28) Pyrene	19.66	202	136203	3.228	ng	100
30) Benzo(a)anthracene	21.40	228	159106	3.261	ng	99
31) Chrysene	21.46	228	155887	3.238	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	215086	2.782	ng	100
33) Indeno(1,2,3-cd)pyrene	26.67	276	192585	3.368	ng	100
35) Benzo(b)fluoranthene	23.18	252	156695	3.398	ng	# 97
36) Benzo(k)fluoranthene	23.23	252	156332	3.445	ng	97
37) Benzo(a)pyrene	23.85	252	149896	3.371	ng	# 97
38) Dibenzo(a,h)anthracene	26.70	278	158680	3.450	ng	# 97
39) Benzo(g,h,i)perylene	27.51	276	157967	3.430	ng	97

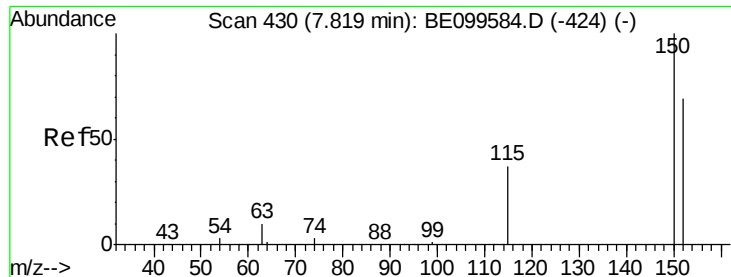
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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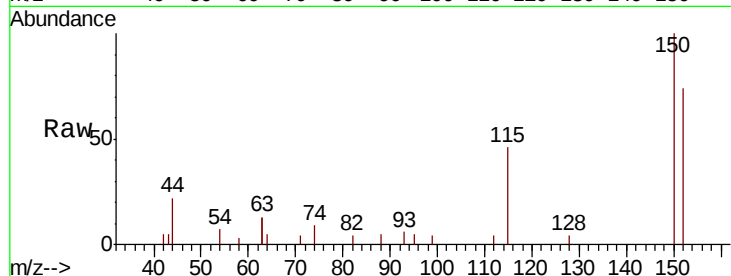




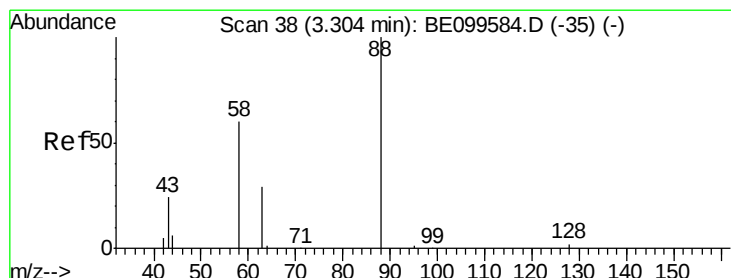
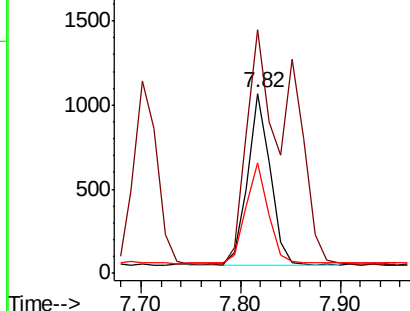
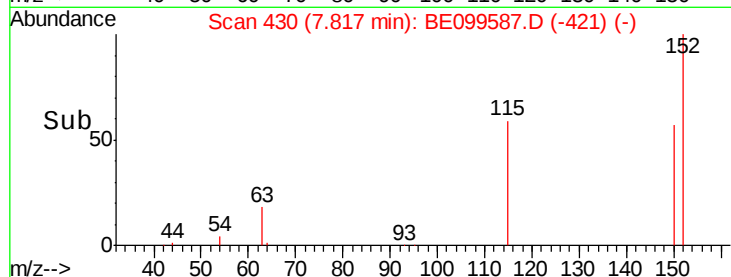
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.82 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:152 Resp: 1605
 Ion Ratio Lower Upper
 152 100
 150 135.4 114.2 171.4
 115 61.6 45.4 68.0

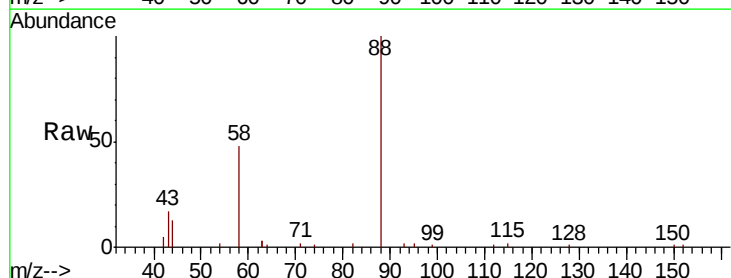


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

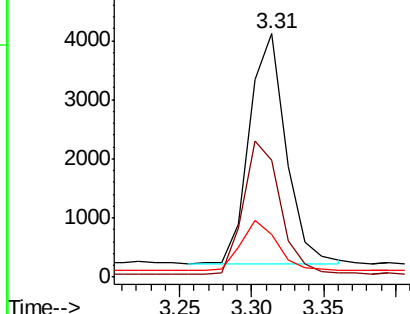
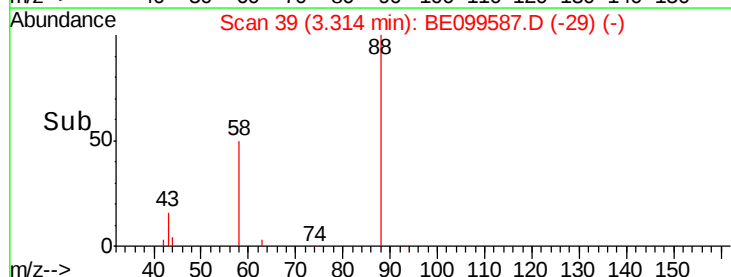


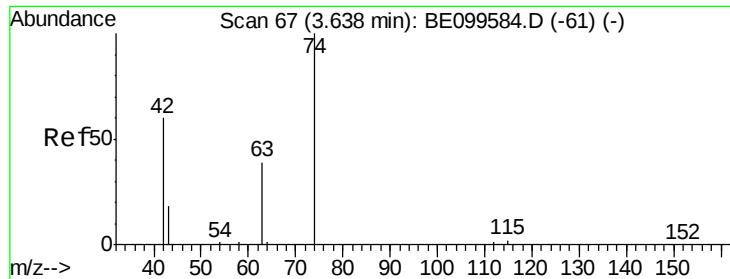
#2
 1,4-Dioxane
 Concen: 3.014 ng
 RT: 3.31 min Scan# 39
 Delta R.T. 0.01 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

Tgt Ion: 88 Resp: 6833
 Ion Ratio Lower Upper
 88 100
 58 58.7 41.3 61.9
 43 21.8 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: 3.196 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.01 min

Lab File: BE099587.D

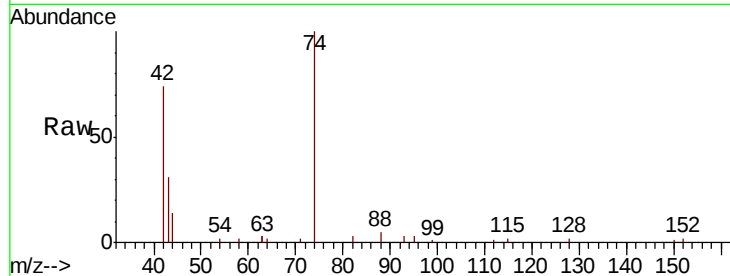
Acq: 9 May 2019 12:20

Instrument :

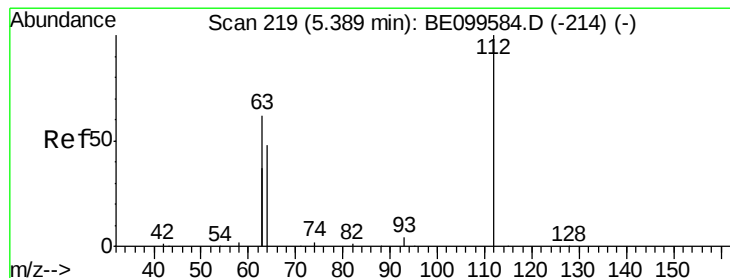
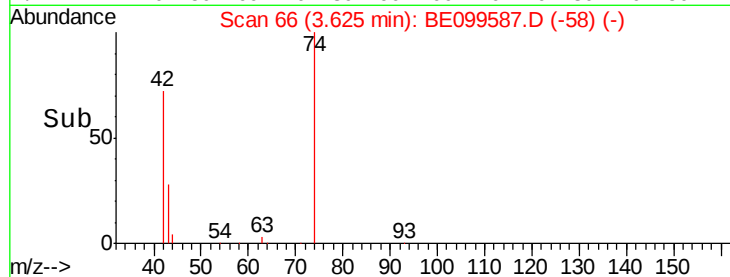
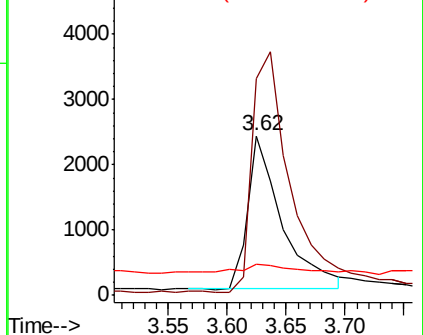
BNA_E

ClientSampleId :

Tot Ion:	42	Resp:	4795
Ion	Ratio	Lower	Upper
42	100		
74	173.0	136.9	205.3
44	6.5	7.1	10.7#



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: 3.225 ng

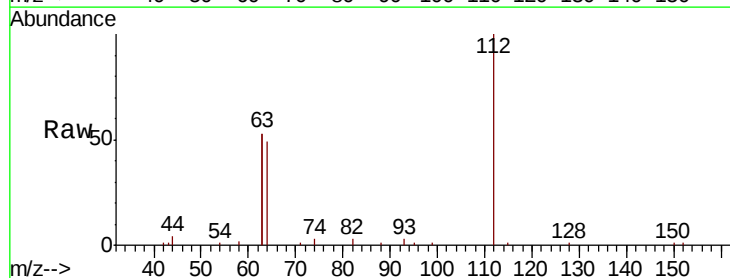
RT: 5.39 min Scan# 219

Delta R.T. -0.00 min

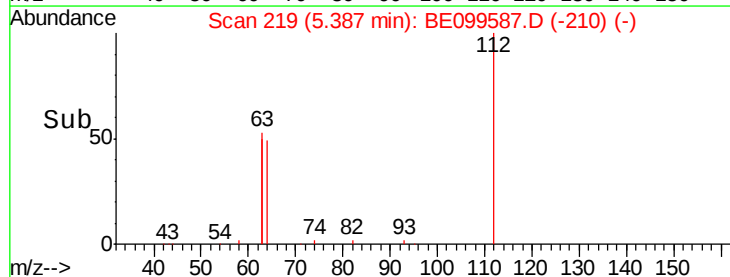
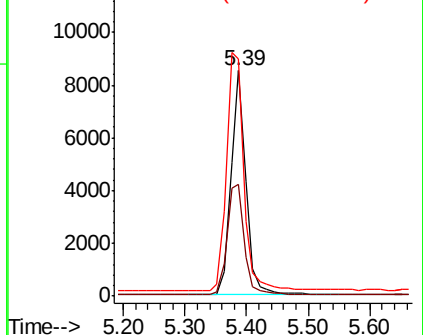
Lab File: BE099587.D

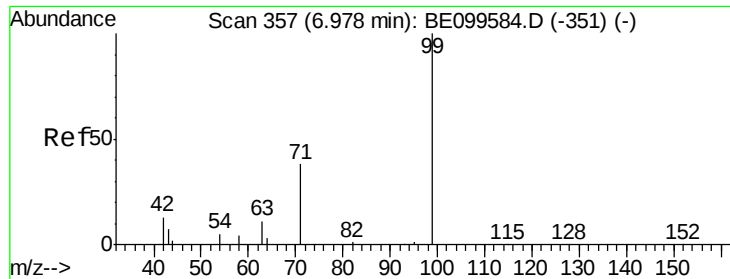
Acq: 9 May 2019 12:20

Tgt Ion:	112	Resp:	14344
Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.2	69.4
63	121.9	100.2	150.4



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: 3.334 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

Instrument :

BNA_E

ClientSampled :

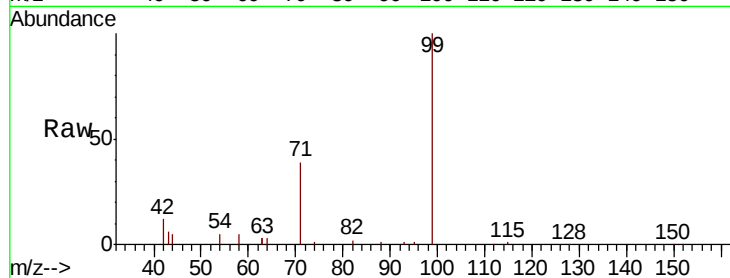
Tot Ion: 99 Resp: 19526

Ion Ratio Lower Upper

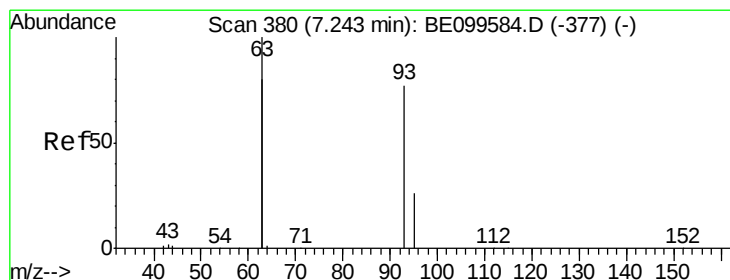
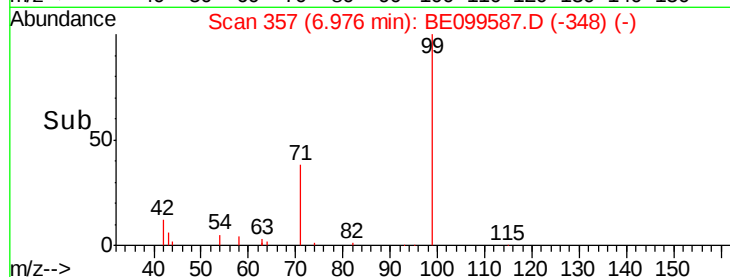
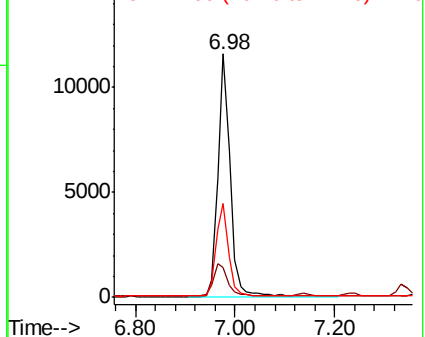
99 100

42 15.3 13.8 20.8

71 39.7 32.2 48.4



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 3.239 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

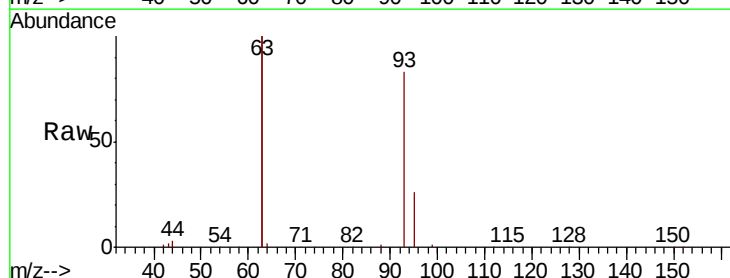
Tgt Ion: 93 Resp: 15802

Ion Ratio Lower Upper

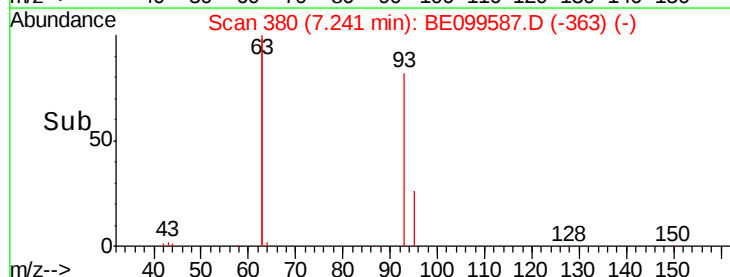
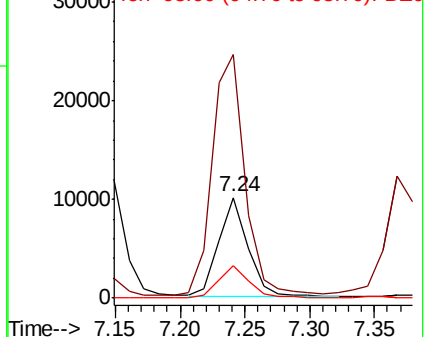
93 100

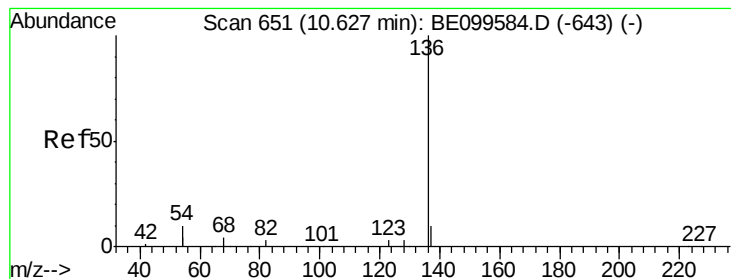
63 272.0 213.4 320.0

95 32.4 24.9 37.3



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: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5658

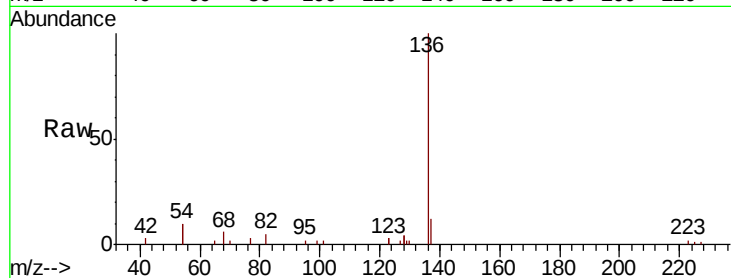
Ion Ratio Lower Upper

136 100

137 12.2 9.1 13.7

54 20.8 16.5 24.7

68 5.5 4.5 6.7

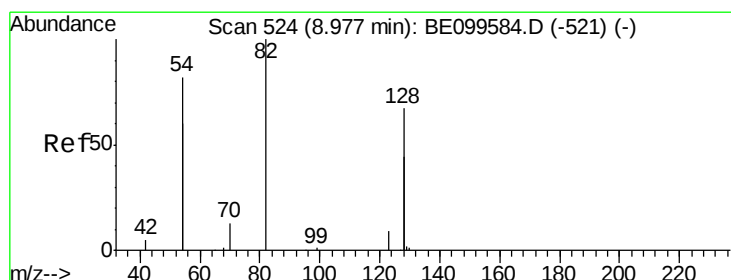
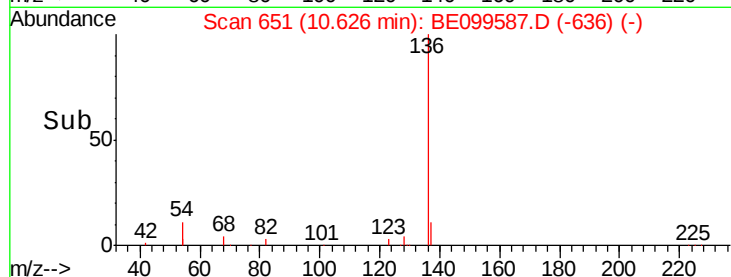
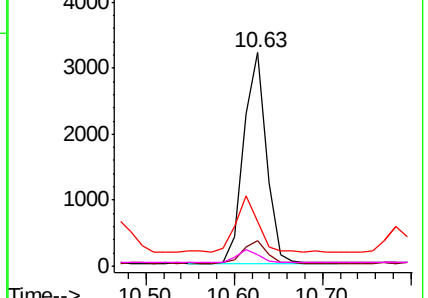


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.537 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

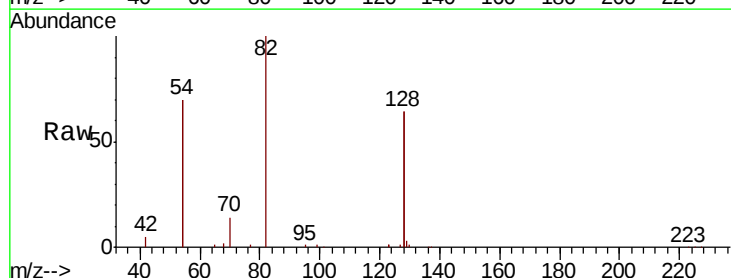
Tgt Ion: 82 Resp: 19280

Ion Ratio Lower Upper

82 100

128 128.3 101.5 152.3

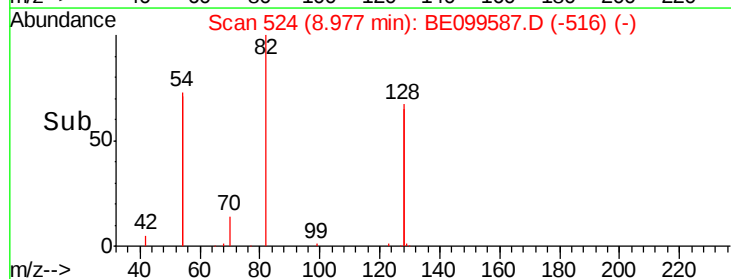
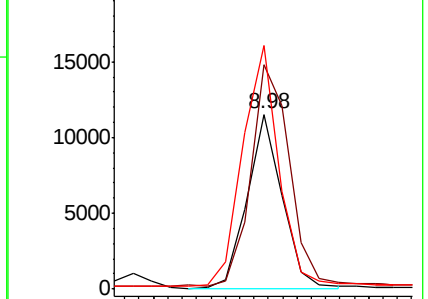
54 139.1 123.8 185.6

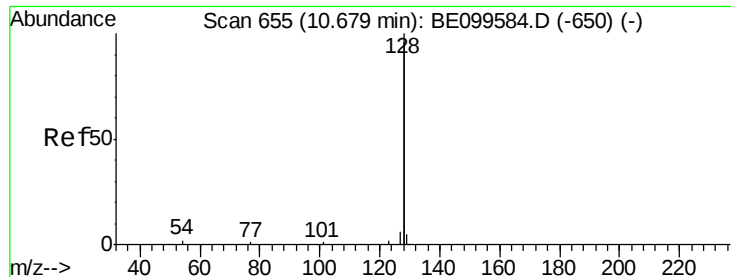


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.330 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

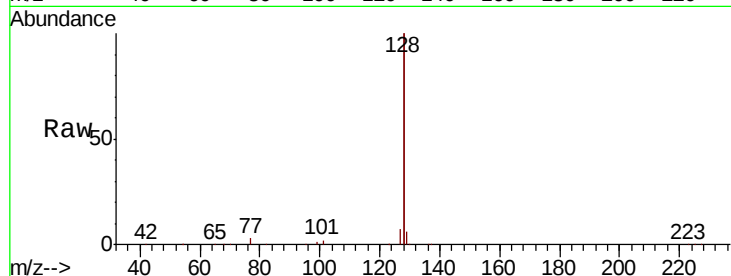
Tot Ion:128 Resp: 199569

Ion Ratio Lower Upper

128 100

129 2.8 2.4 3.6

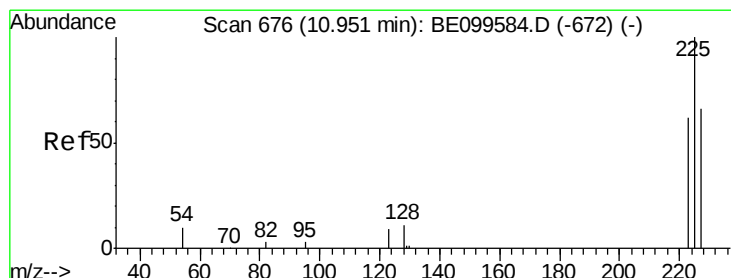
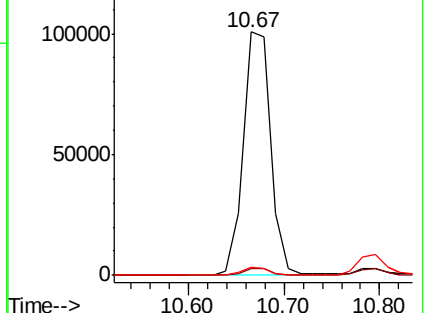
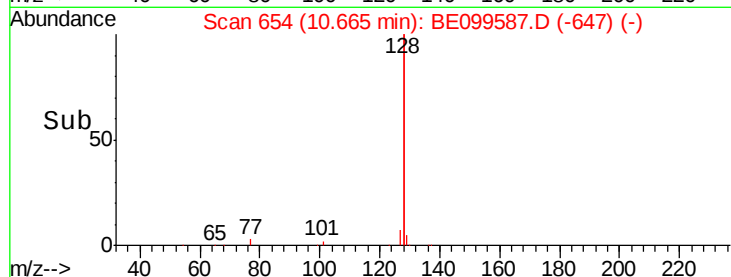
127 3.4 2.8 4.2



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: 3.240 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

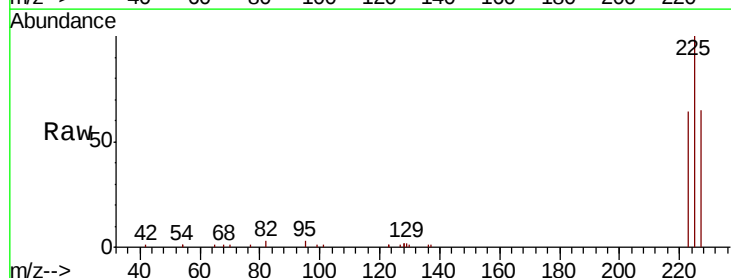
Tgt Ion:225 Resp: 14105

Ion Ratio Lower Upper

225 100

223 63.3 49.6 74.4

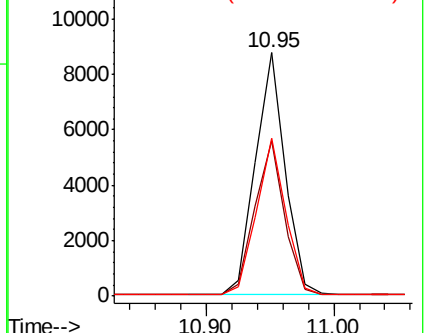
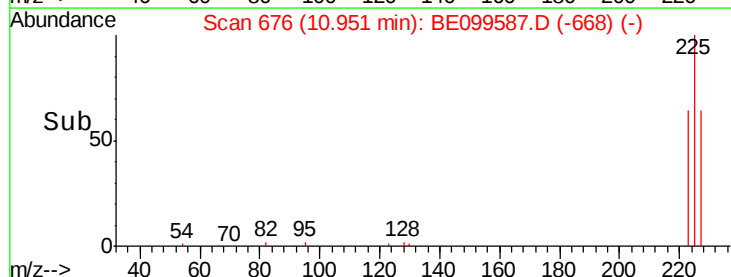
227 63.9 50.1 75.1

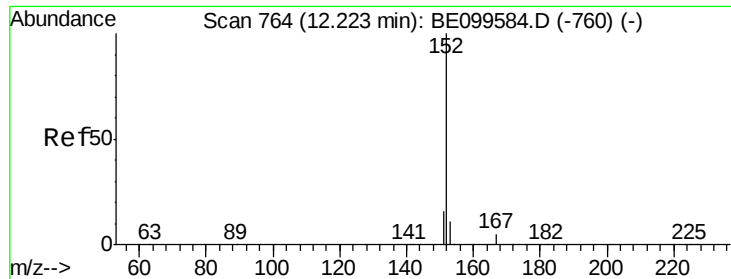


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

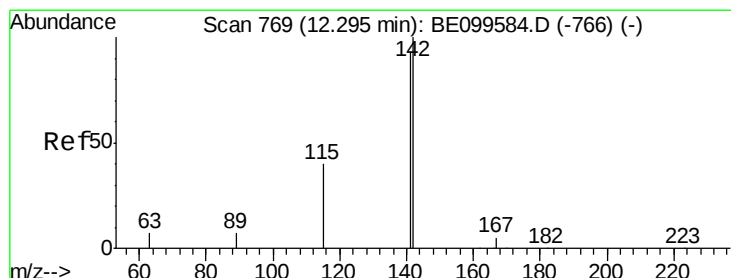
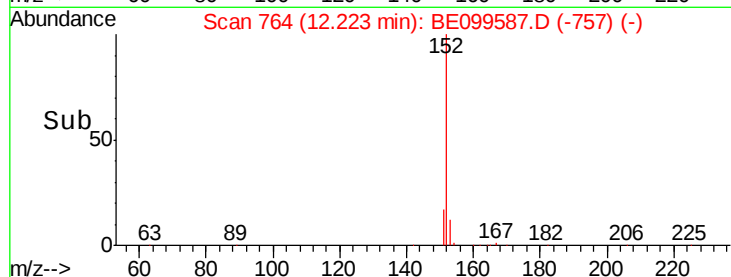
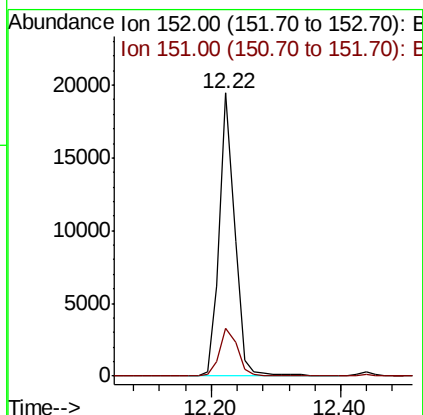
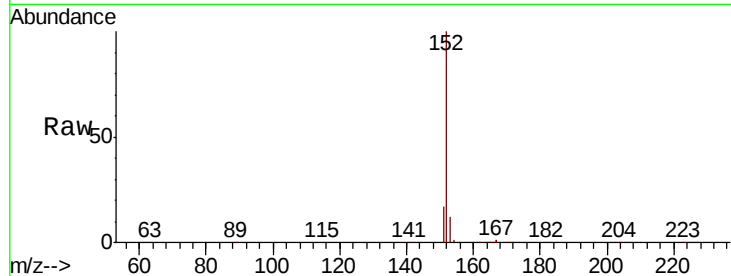




#11
 2-Methylnaphthalene-d10
 Concen: 3.220 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

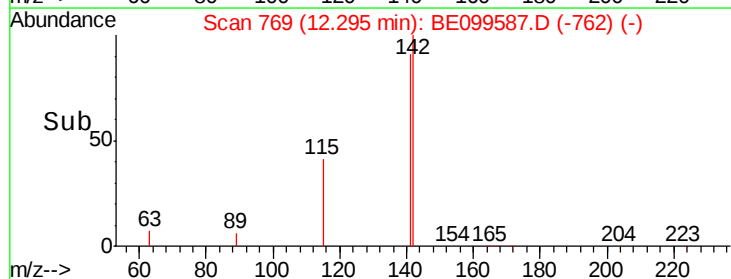
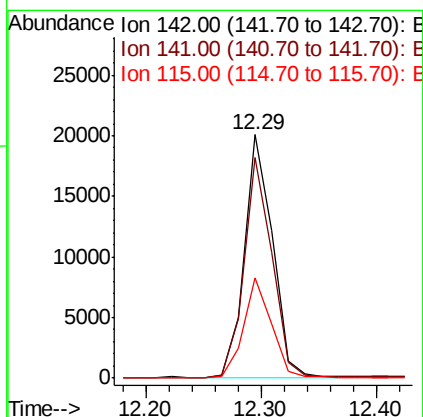
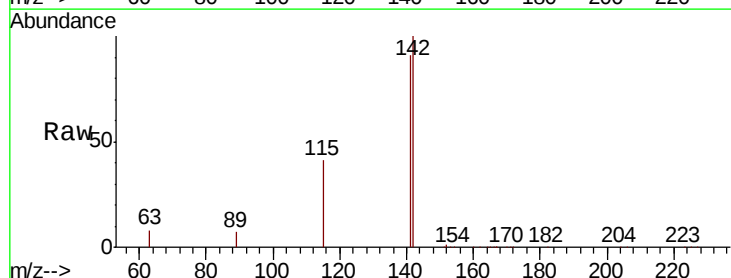
Instrument :
 BNA_E
 ClientSampleId :

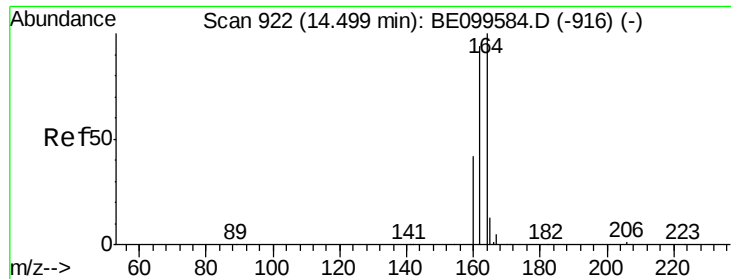
Tot Ion:152 Resp: 31740
 Ion Ratio Lower Upper
 152 100
 151 19.2 16.2 24.2



#12
 2-Methylnaphthalene
 Concen: 3.324 ng
 RT: 12.29 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

Tgt Ion:142 Resp: 33763
 Ion Ratio Lower Upper
 142 100
 141 90.5 75.0 112.4
 115 41.3 33.7 50.5

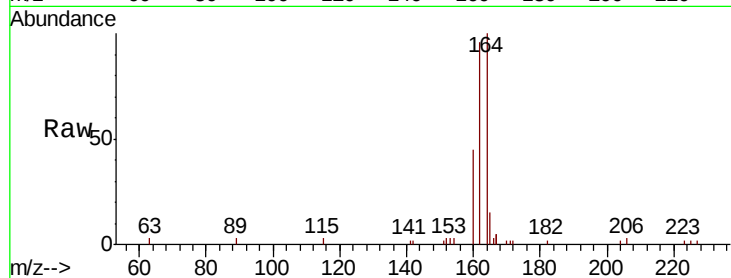




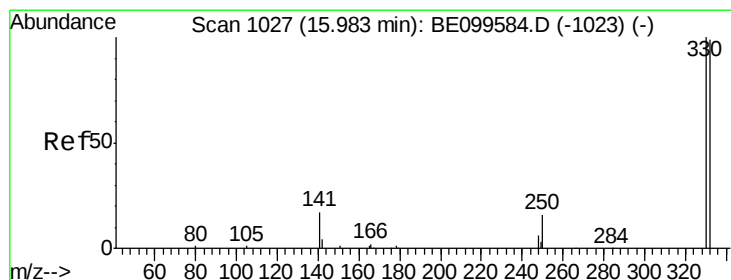
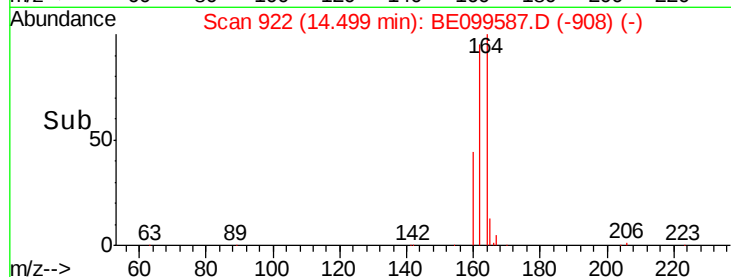
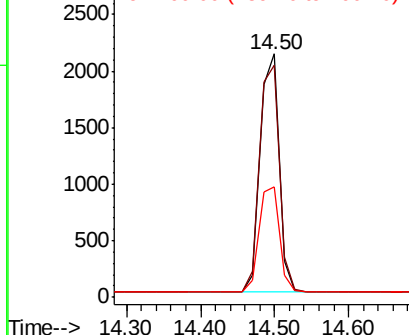
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.50 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 3818
 Ion Ratio Lower Upper
 164 100
 162 95.6 75.3 112.9
 160 45.1 34.7 52.1

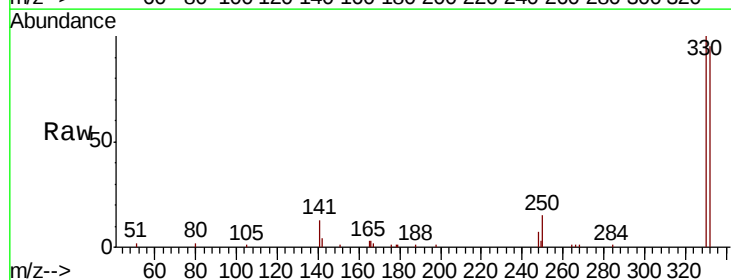


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

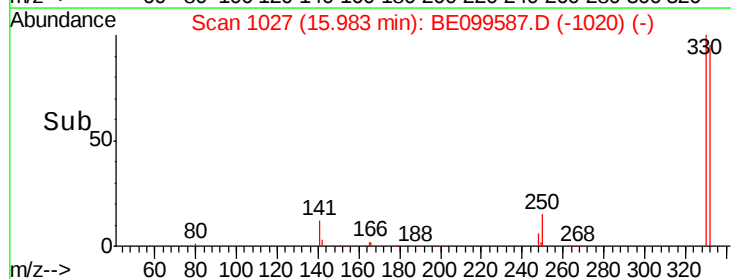
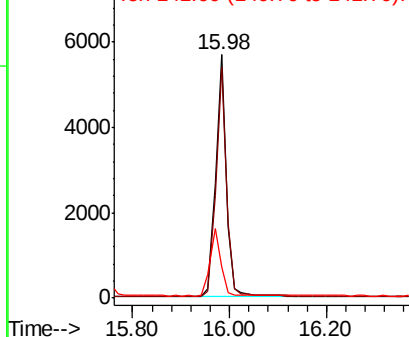


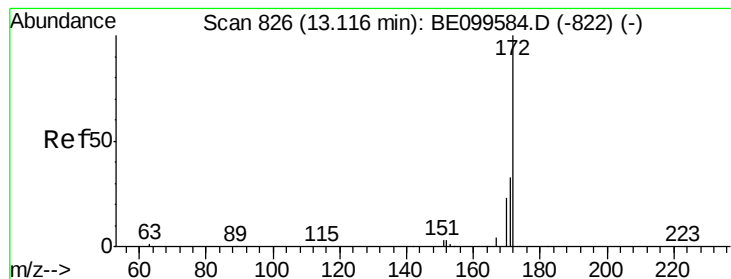
#14
 2,4,6-Tribromophenol
 Concen: 3.344 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

Tgt Ion:330 Resp: 8501
 Ion Ratio Lower Upper
 330 100
 332 94.6 78.7 118.1
 141 27.7 22.3 33.5



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

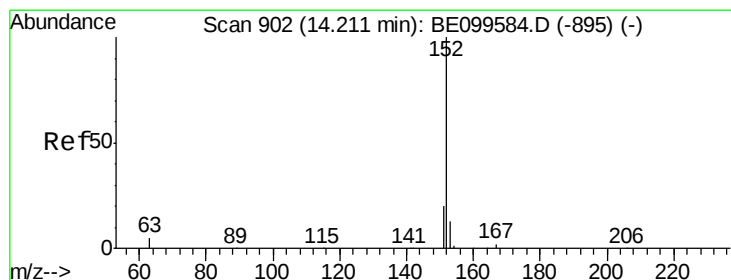
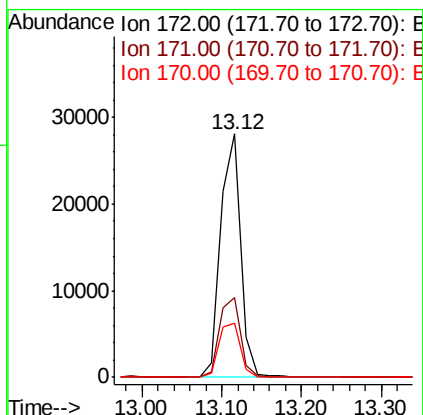
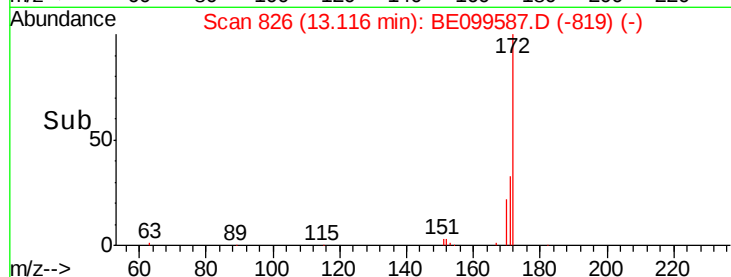
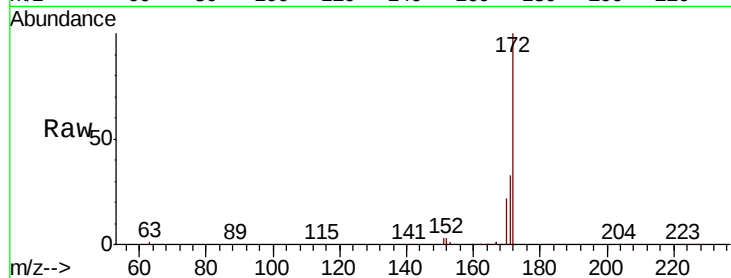




#15
2-Fluorobiphenyl
Concen: 3.376 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099587.D
Acq: 9 May 2019 12:20

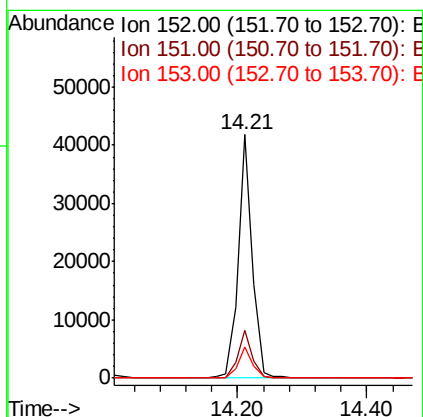
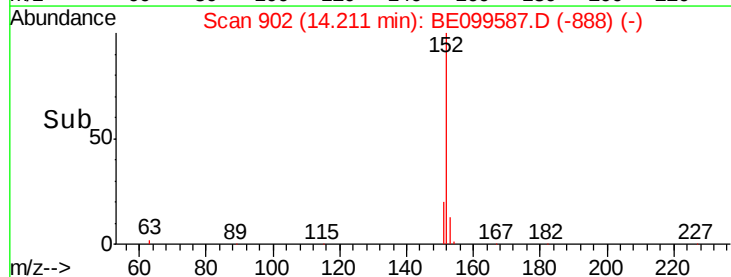
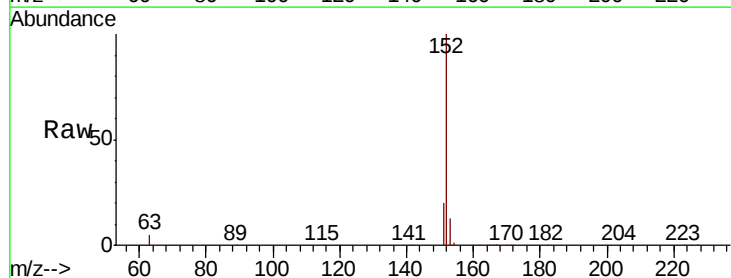
Instrument :
BNA_E
ClientSampleId :

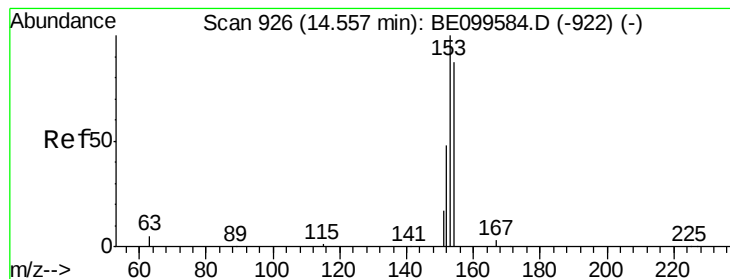
Tot Ion:172 Resp: 48834
Ion Ratio Lower Upper
172 100
171 33.0 27.5 41.3
170 22.2 19.1 28.7



#16
Acenaphthylene
Concen: 3.397 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099587.D
Acq: 9 May 2019 12:20

Tgt Ion:152 Resp: 62574
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 12.9 10.2 15.4





#17

Acenaphthene

Concen: 3.392 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

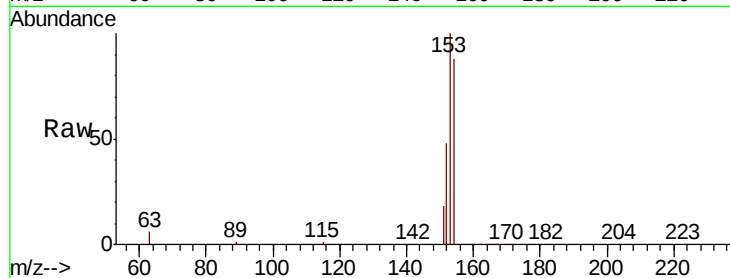
Tot Ion:154 Resp: 34915

Ion Ratio Lower Upper

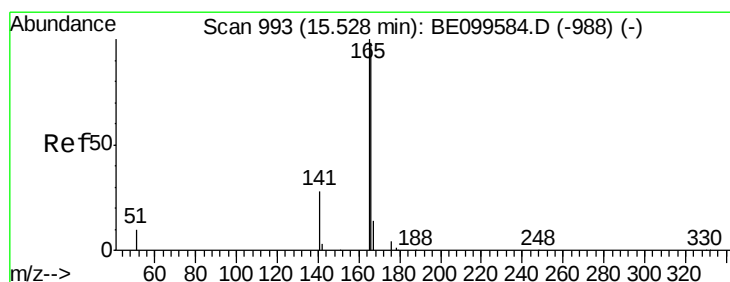
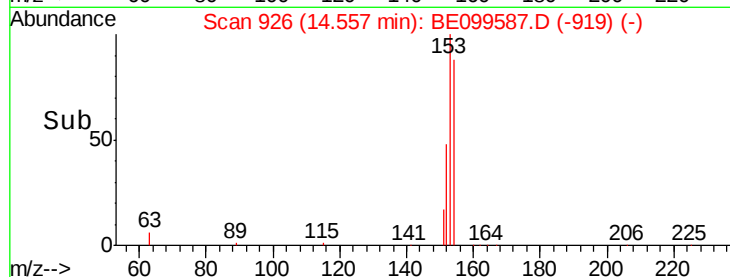
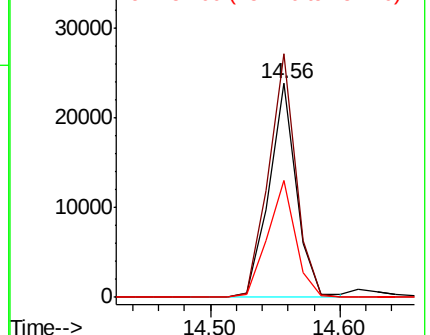
154 100

153 113.9 92.9 139.3

152 55.6 46.3 69.5



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: 3.388 ng

RT: 15.53 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

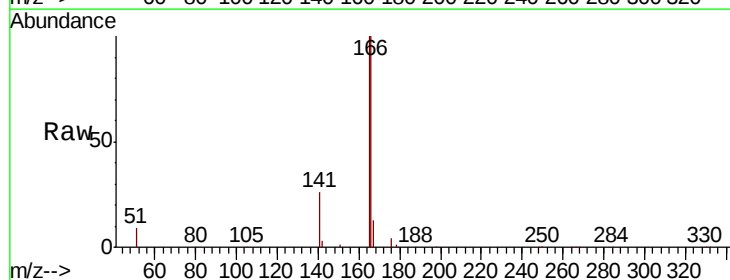
Tgt Ion:166 Resp: 49800

Ion Ratio Lower Upper

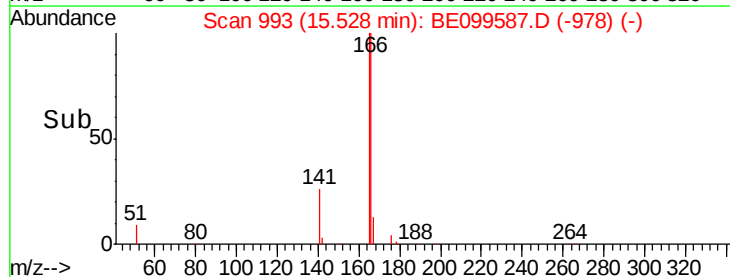
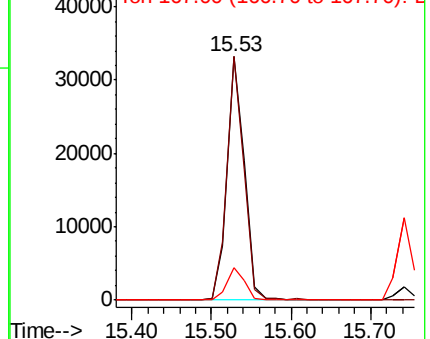
166 100

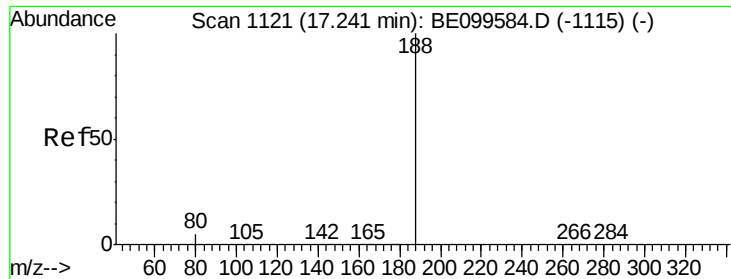
165 98.6 80.5 120.7

167 13.2 11.6 17.4



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

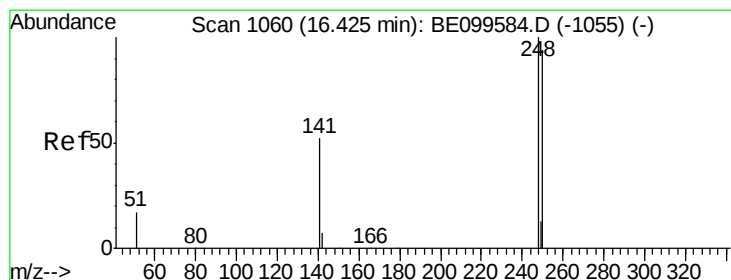
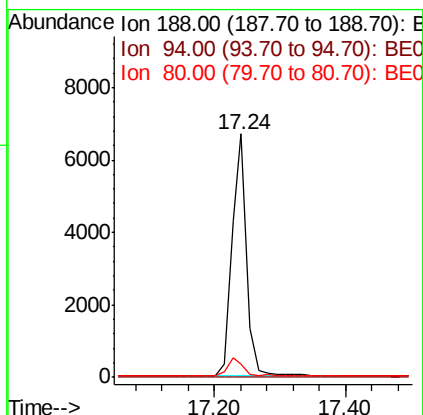
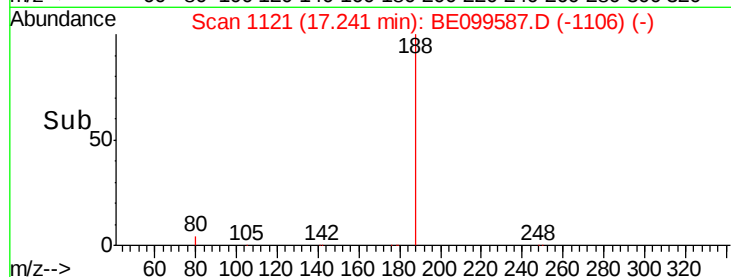




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE099587.D
Acq: 9 May 2019 12:20

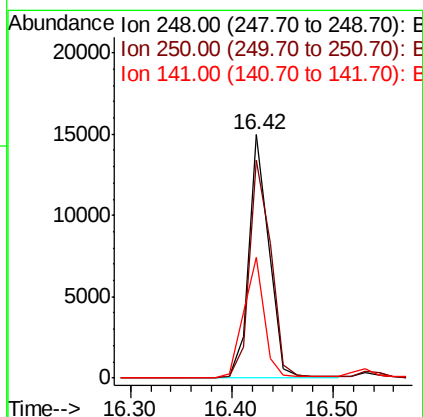
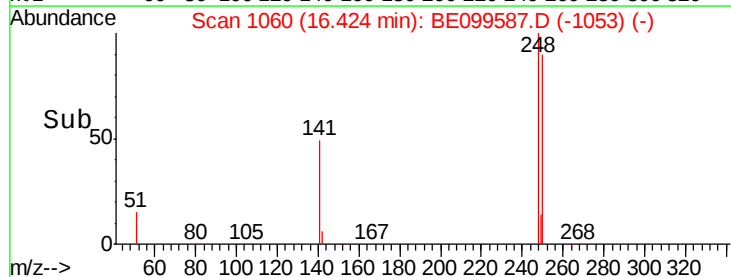
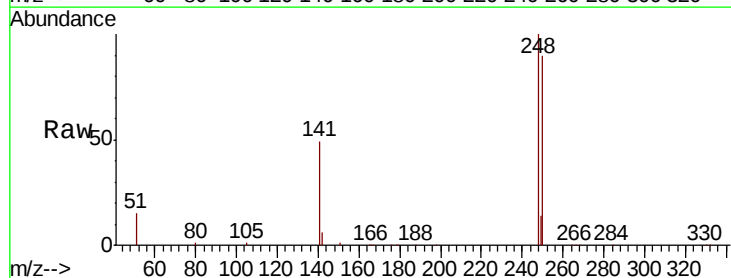
Instrument :
BNA_E
ClientSampleId :

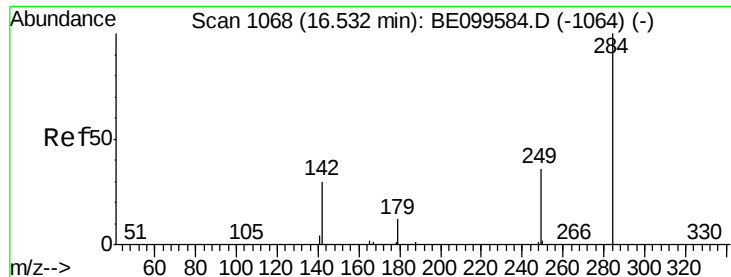
Tot Ion:188 Resp: 10364
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.3 4.4 6.6



#20
4-Bromophenyl-phenylether
Concen: 3.499 ng
RT: 16.42 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BE099587.D
Acq: 9 May 2019 12:20

Tgt Ion:248 Resp: 20609
Ion Ratio Lower Upper
248 100
250 89.7 75.7 113.5
141 49.5 42.9 64.3





#21

Hexachlorobenzene

Concen: 3.412 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

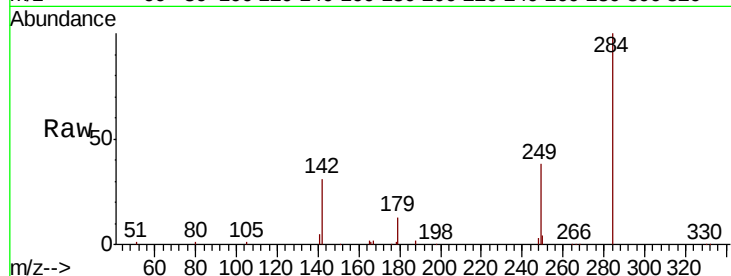
Tot Ion:284 Resp: 19987

Ion Ratio Lower Upper

284 100

142 25.5 20.6 30.8

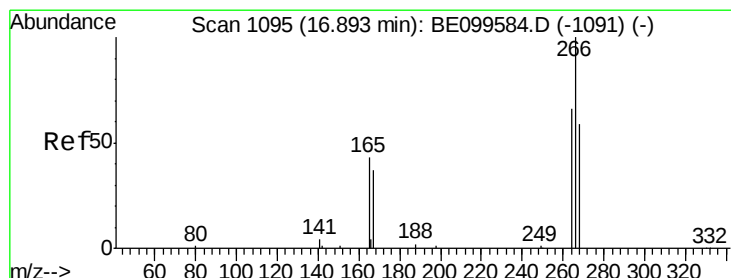
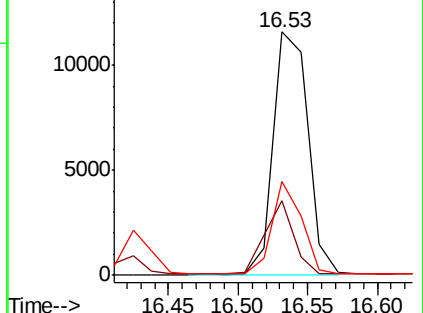
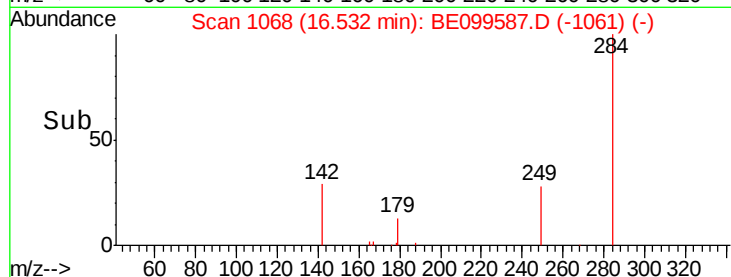
249 33.0 25.8 38.6



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: 3.881 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

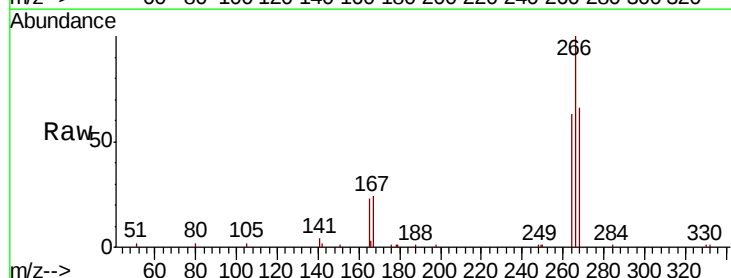
Tgt Ion:266 Resp: 9353

Ion Ratio Lower Upper

266 100

264 63.4 57.3 85.9

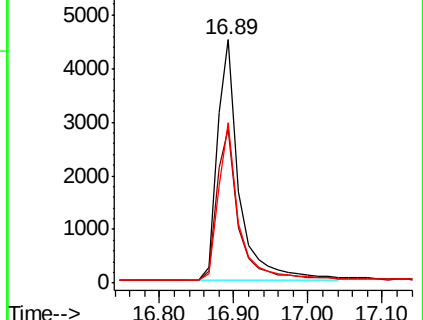
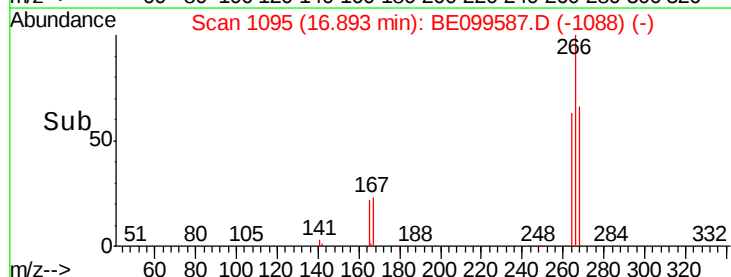
268 66.1 53.5 80.3

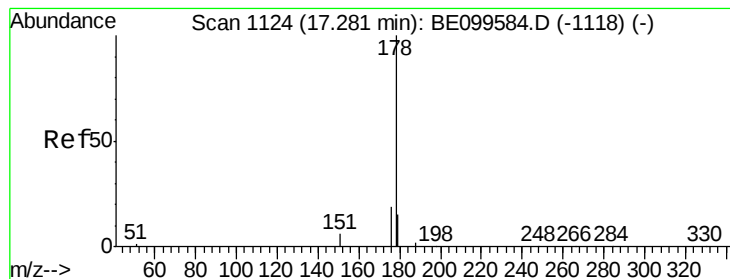


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 3.412 ng

RT: 17.28 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

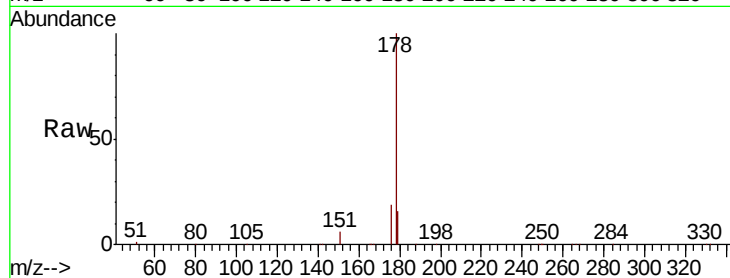
Tot Ion:178 Resp: 87152

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

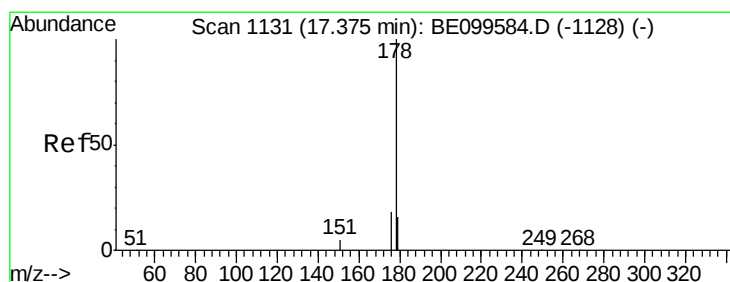
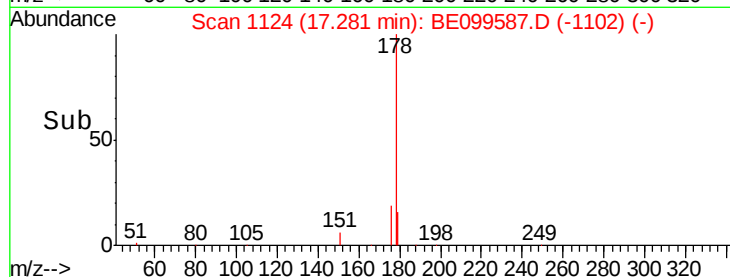
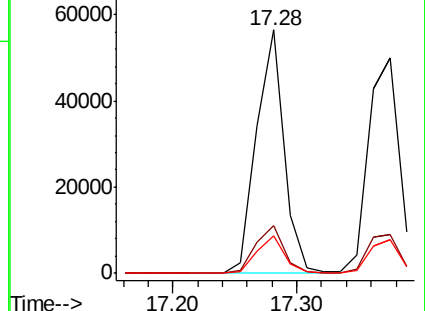
179 15.5 12.2 18.2



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: 3.528 ng

RT: 17.37 min Scan# 1131

Delta R.T. -0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

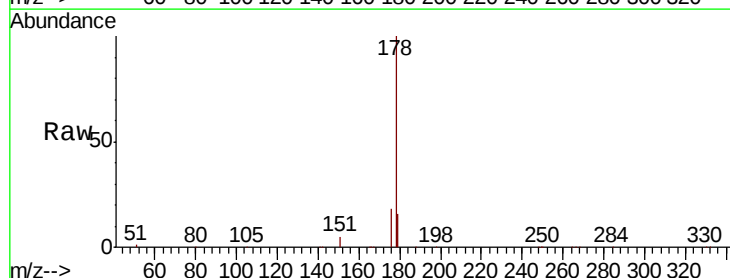
Tgt Ion:178 Resp: 86674

Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

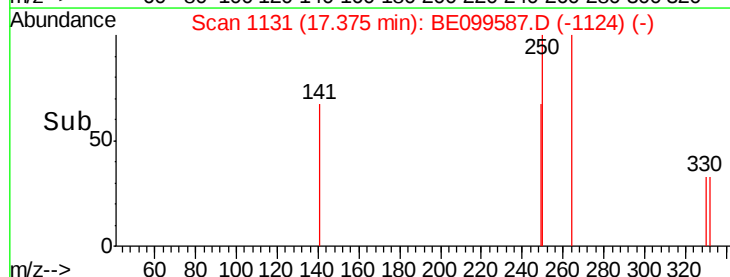
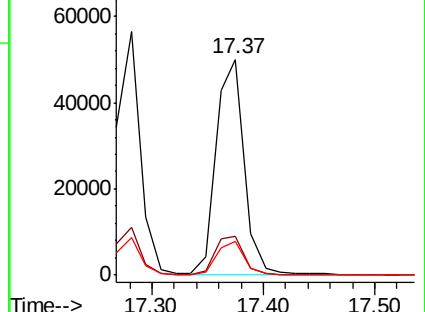
179 15.1 12.3 18.5

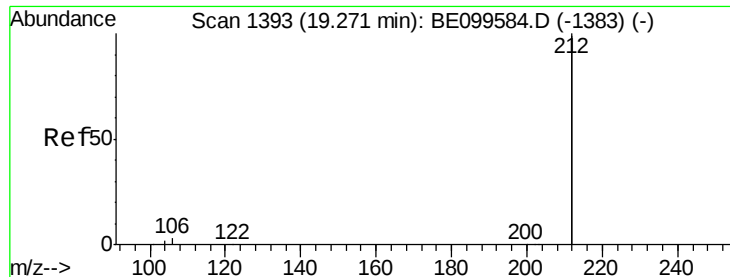


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

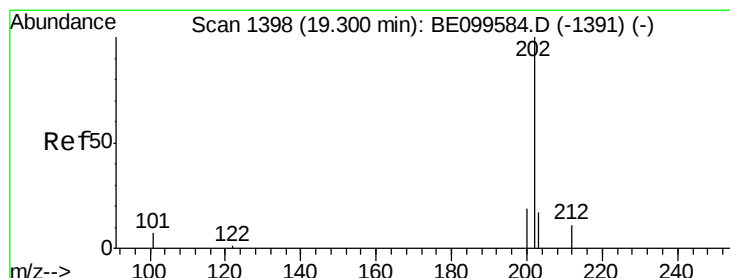
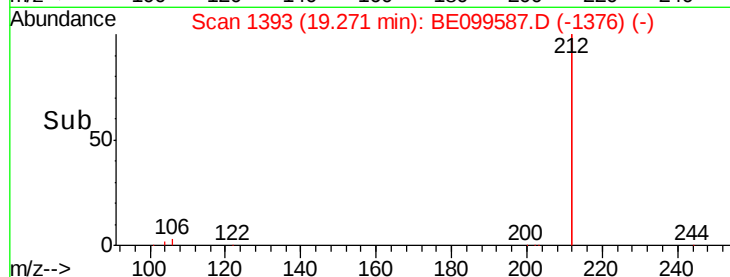
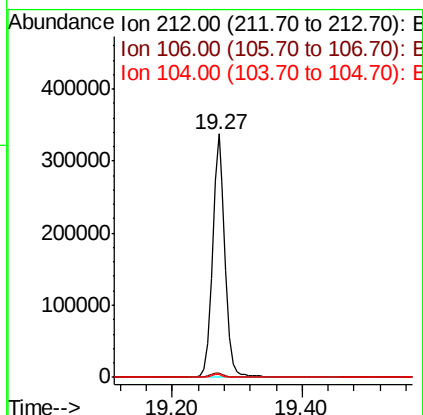
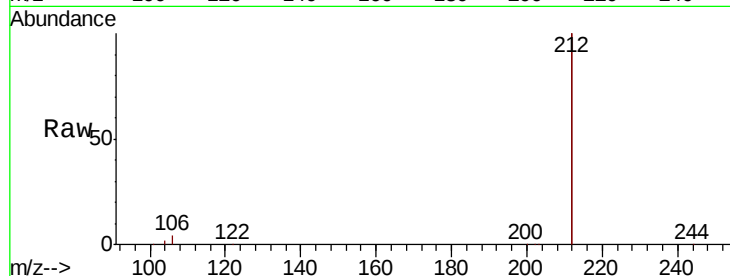




#25
 Fluoranthene-d10
 Concen: 3.283 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

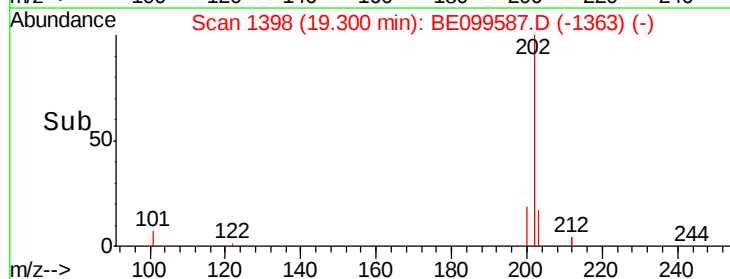
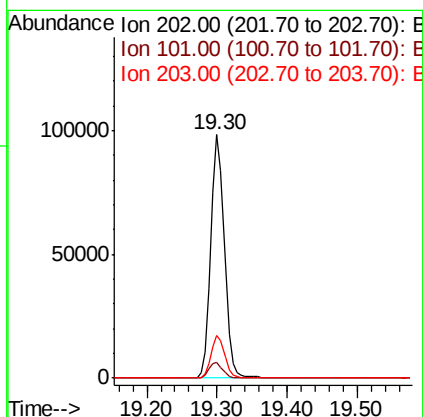
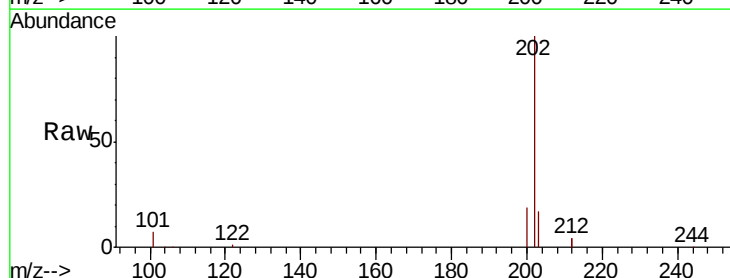
Instrument :
 BNA_E
 ClientSampleId :

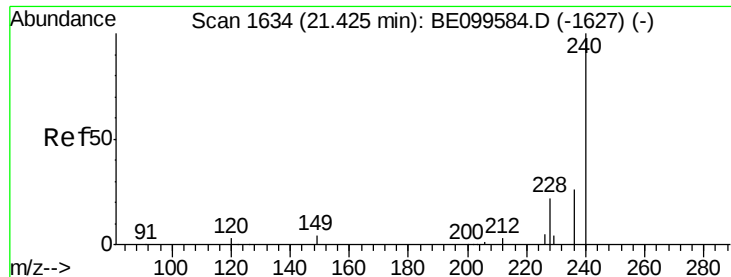
Tot Ion:212 Resp: 458189
 Ion Ratio Lower Upper
 212 100
 106 1.9 1.4 2.2
 104 1.1 0.9 1.3



#26
 Fluoranthene
 Concen: 3.353 ng
 RT: 19.30 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

Tgt Ion:202 Resp: 131904
 Ion Ratio Lower Upper
 202 100
 101 6.8 5.4 8.2
 203 17.4 13.7 20.5

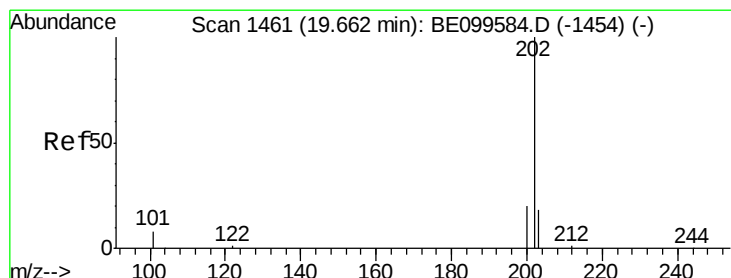
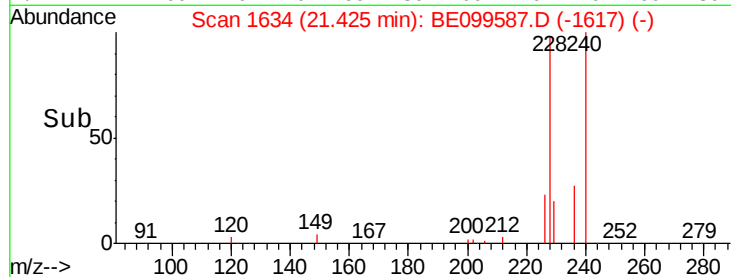
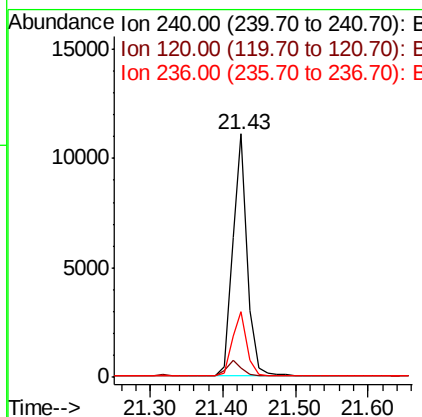
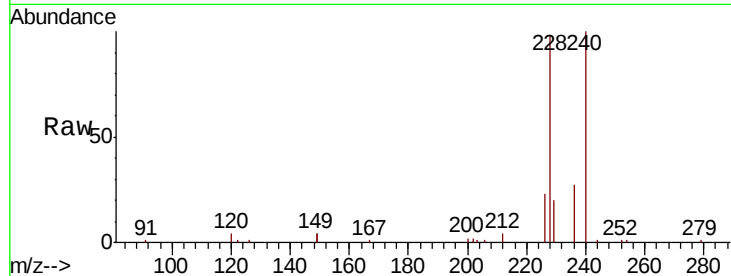




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

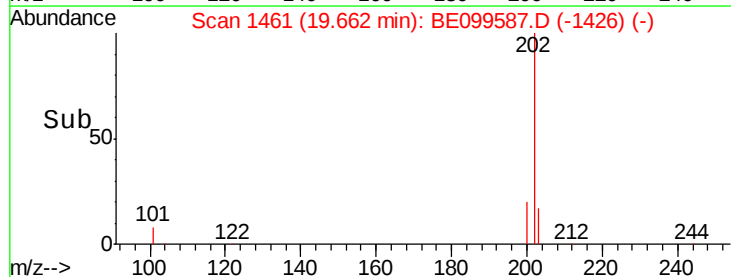
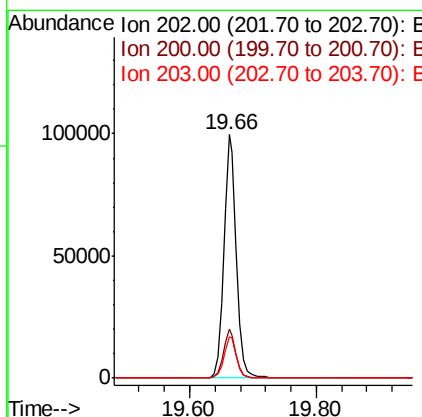
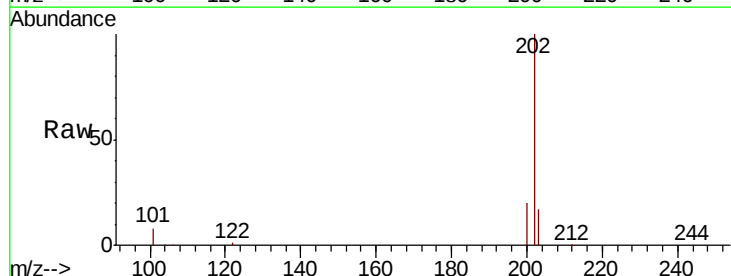
Instrument :
 BNA_E
 ClientSampled :

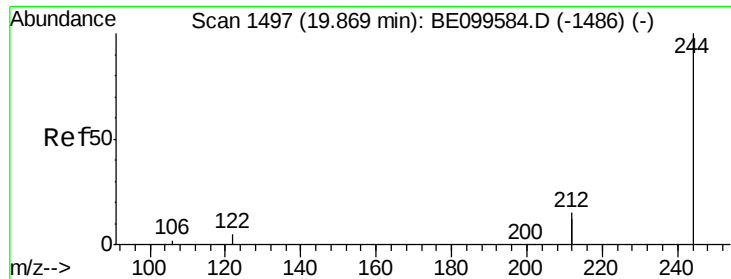
Tot Ion:240 Resp: 15749
 Ion Ratio Lower Upper
 240 100
 120 3.7 3.2 4.8
 236 27.0 21.0 31.6



#28
 Pyrene
 Concen: 3.228 ng
 RT: 19.66 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

Tgt Ion:202 Resp: 136203
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.9 23.9
 203 17.5 14.1 21.1





#29

Terphenyl-d14

Concen: 3.189 ng

RT: 19.87 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

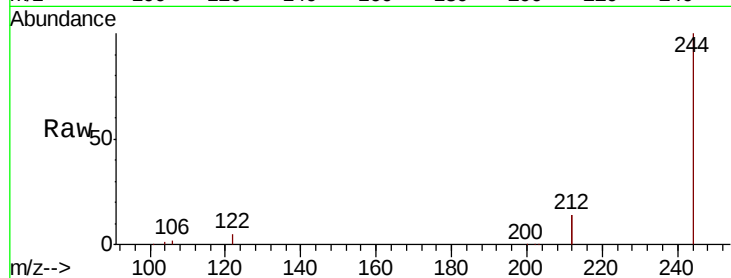
Tot Ion:244 Resp: 93076

Ion Ratio Lower Upper

244 100

212 28.0 24.4 36.6

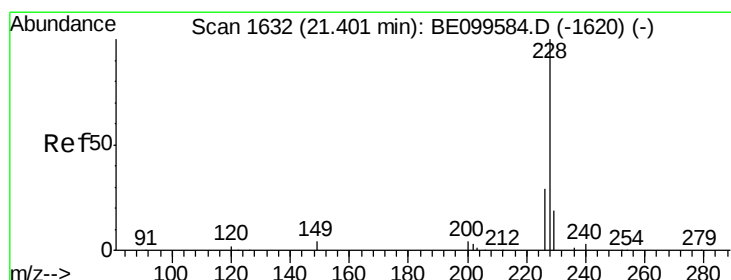
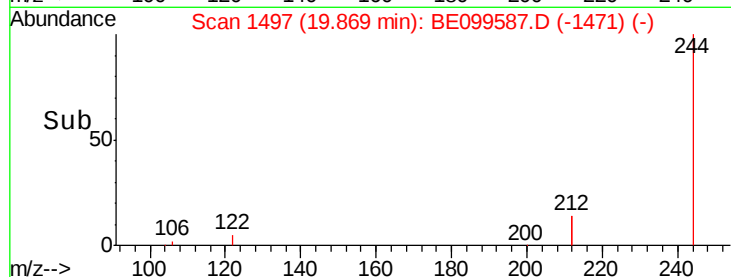
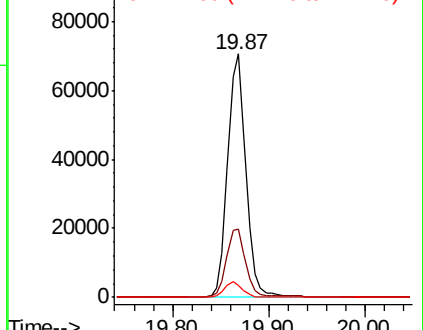
122 5.2 4.6 6.8



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: 3.261 ng

RT: 21.40 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

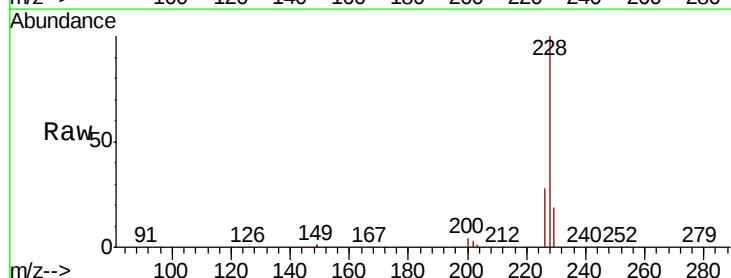
Tgt Ion:228 Resp: 159106

Ion Ratio Lower Upper

228 100

226 27.9 23.3 34.9

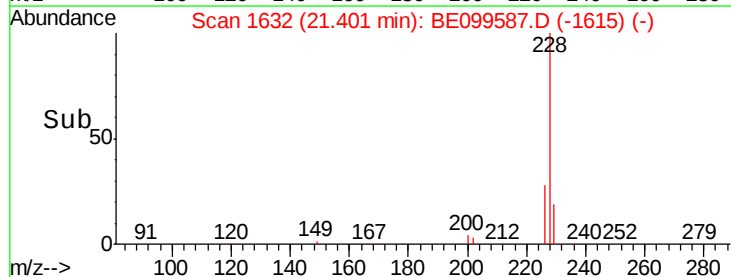
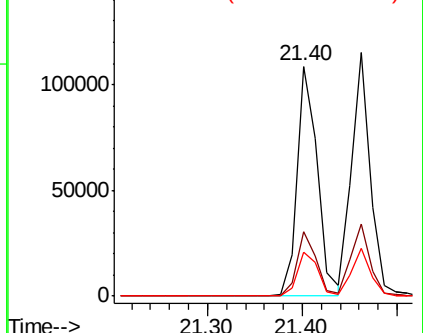
229 19.2 15.5 23.3

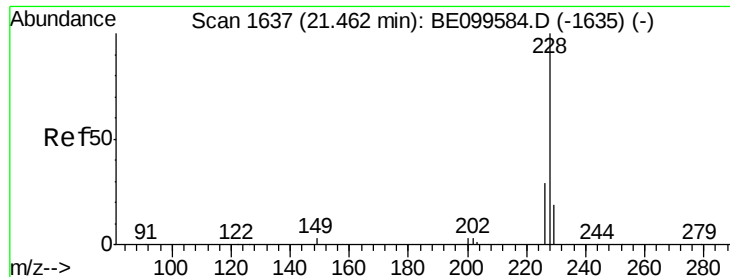


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 3.238 ng

RT: 21.46 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

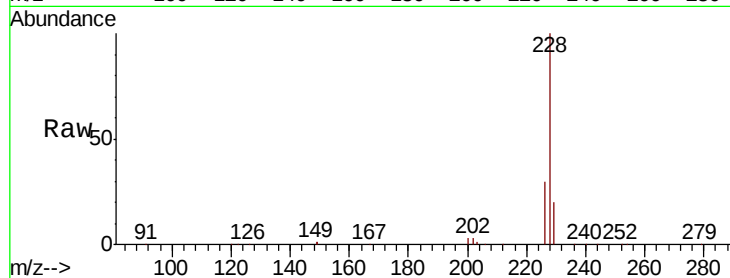
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 155887

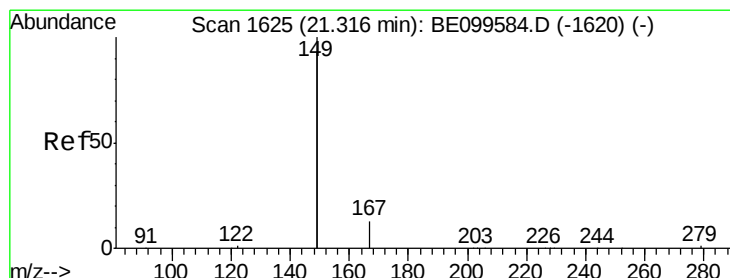
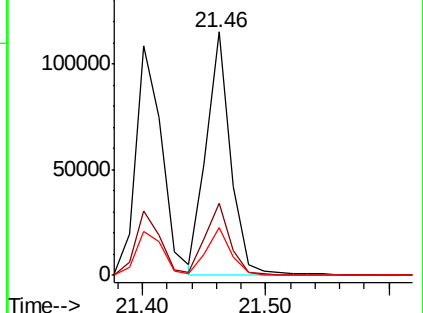
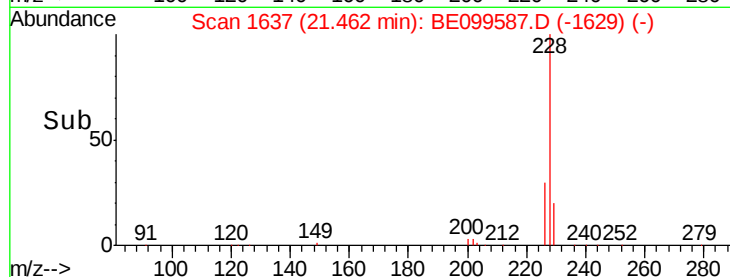
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	19.6	15.6	23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 2.782 ng

RT: 21.32 min Scan# 1625

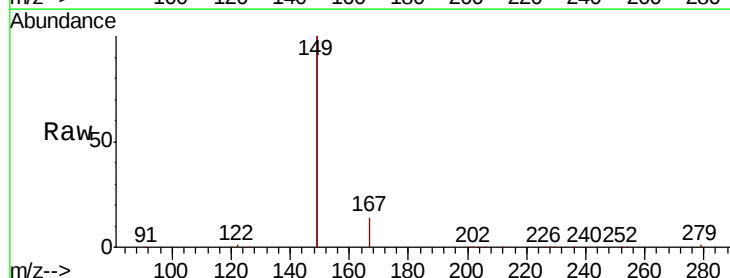
Delta R.T. 0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

Tgt Ion:149 Resp: 215086

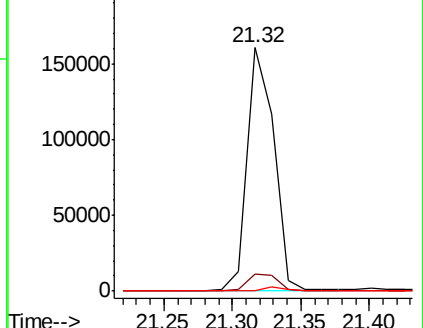
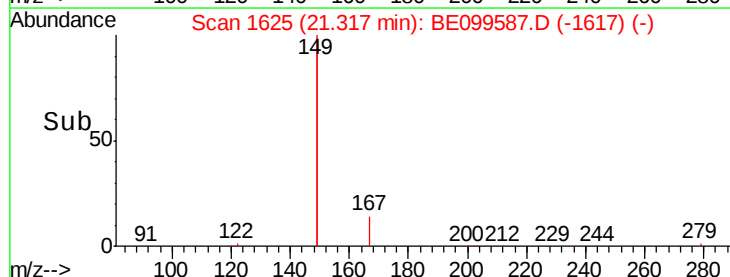
Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.0	9.0
279	1.4	1.1	1.7

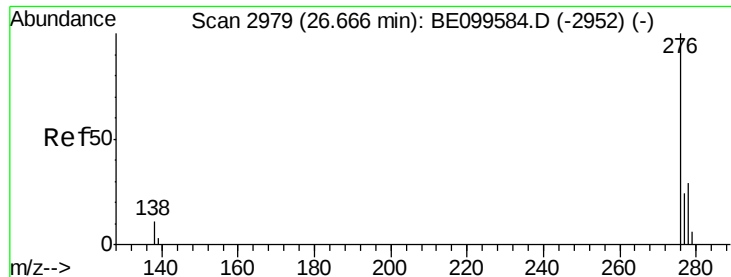


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

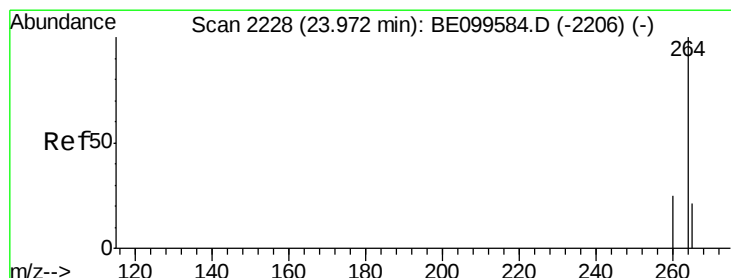
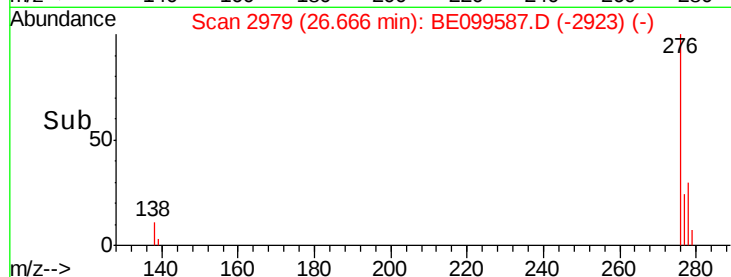
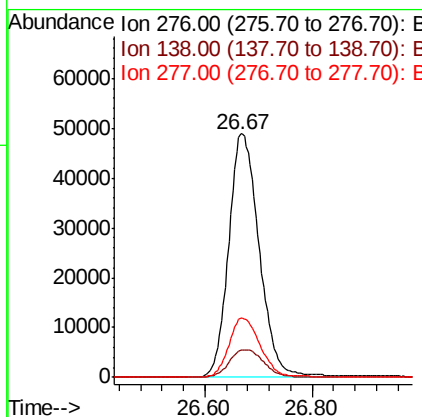
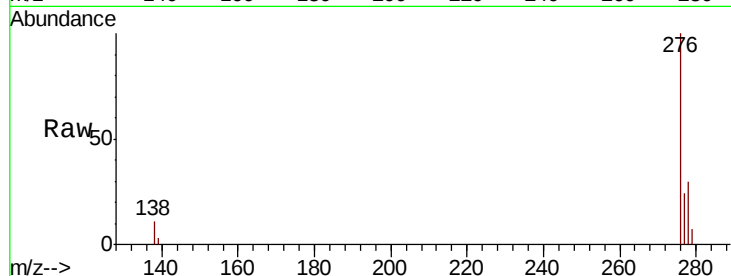




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 3.368 ng
 RT: 26.67 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

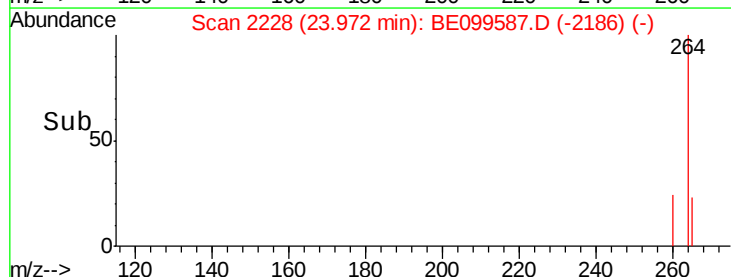
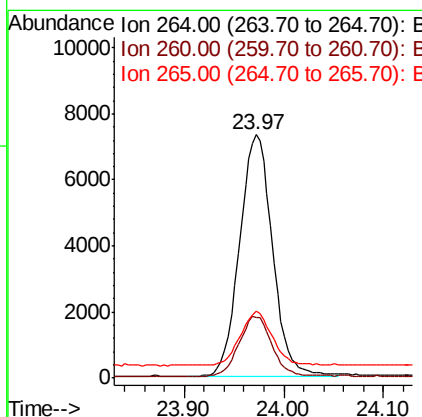
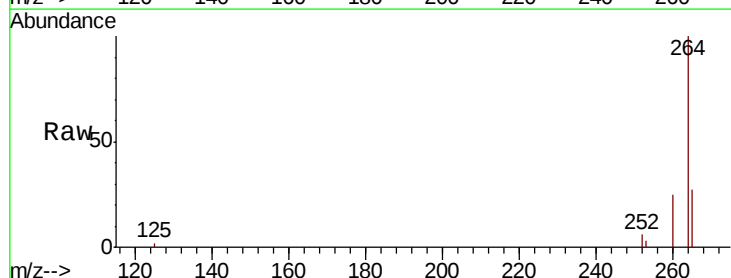
Instrument :
 BNA_E
 ClientSampleId :

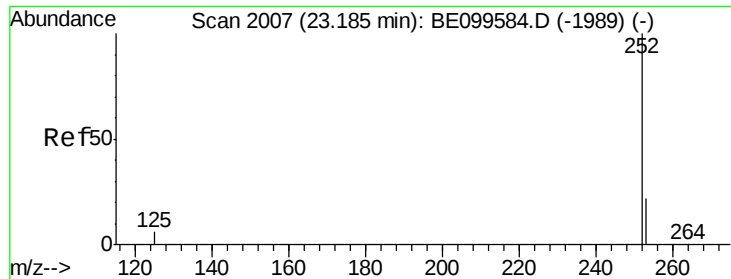
Tot Ion	Ratio	Lower	Upper
276	100		
138	12.5	10.2	15.2
277	24.7	19.8	29.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.97 min Scan# 2228
 Delta R.T. 0.00 min
 Lab File: BE099587.D
 Acq: 9 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.3	30.5
265	27.5	20.9	31.3





#35

Benzo(b)fluoranthene

Concen: 3.398 ng

RT: 23.18 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

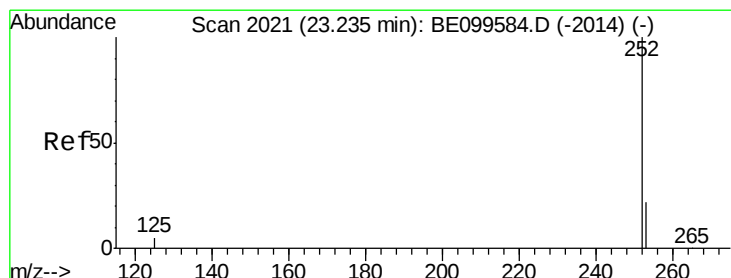
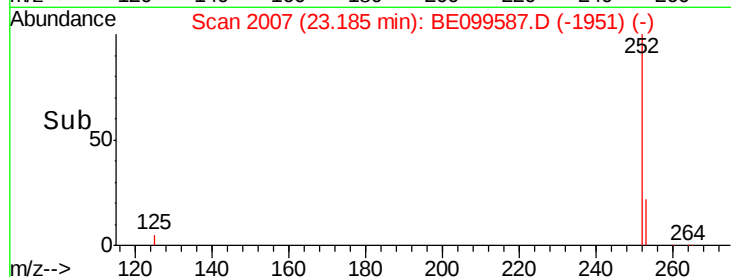
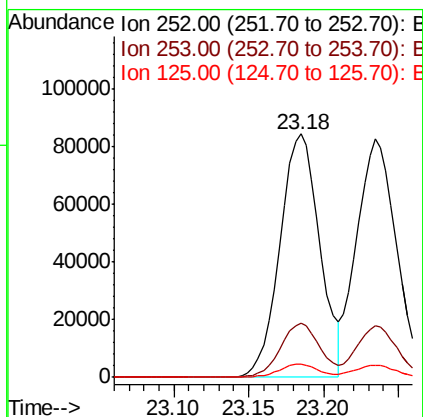
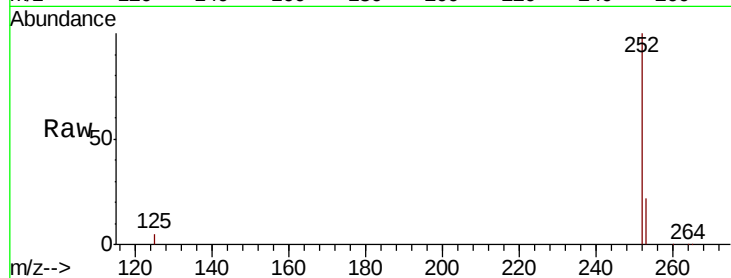
Tot Ion:252 Resp: 156695

Ion Ratio Lower Upper

252 100

253 22.2 18.6 28.0

125 5.3 6.0 9.0#



#36

Benzo(k)fluoranthene

Concen: 3.445 ng

RT: 23.23 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

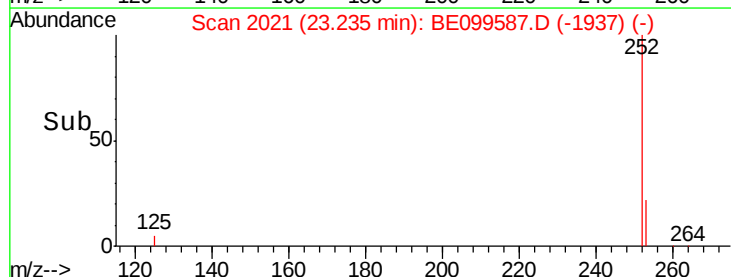
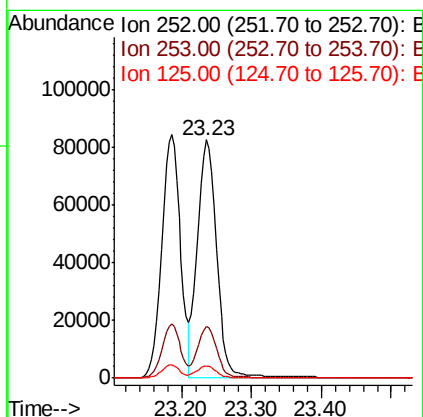
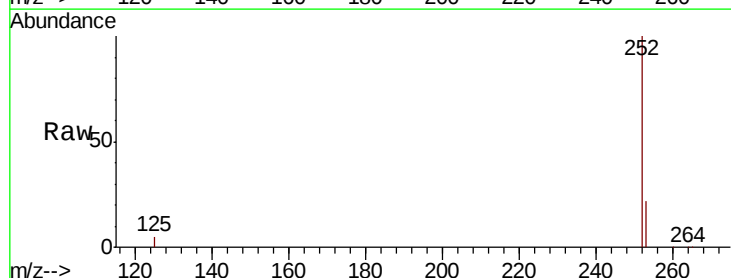
Tgt Ion:252 Resp: 156332

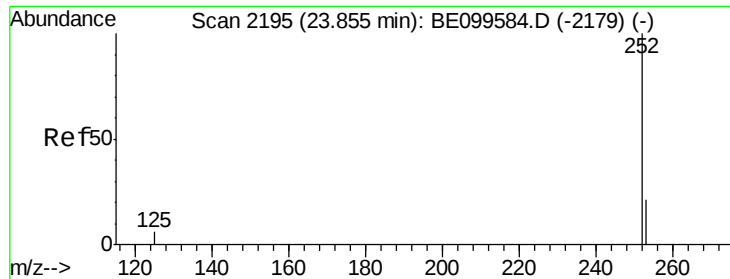
Ion Ratio Lower Upper

252 100

253 22.0 18.7 28.1

125 5.2 5.1 7.7





#37

Benzo(a)pyrene

Concen: 3.371 ng

RT: 23.85 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :

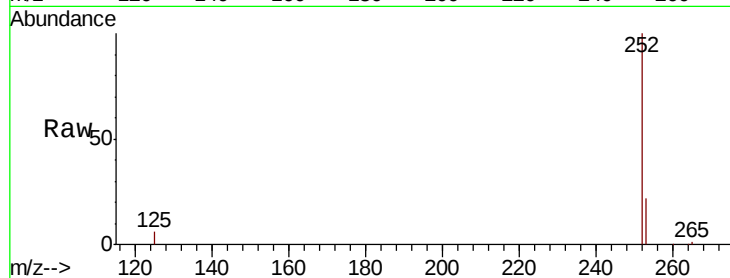
Tot Ion:252 Resp: 149896

Ion Ratio Lower Upper

252 100

253 22.0 18.6 27.8

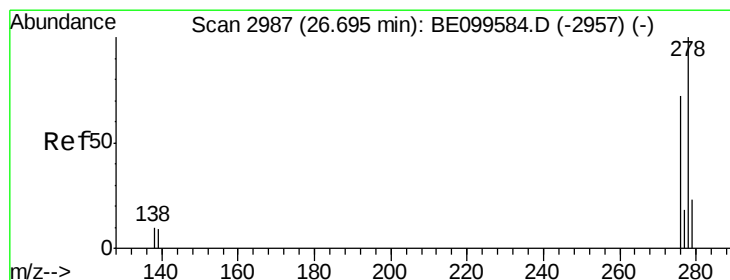
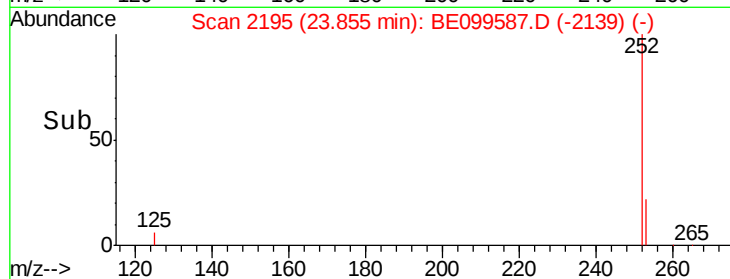
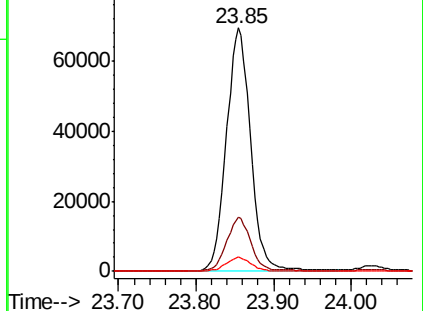
125 5.9 6.4 9.6#



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: 3.450 ng

RT: 26.70 min Scan# 2988

Delta R.T. 0.00 min

Lab File: BE099587.D

Acq: 9 May 2019 12:20

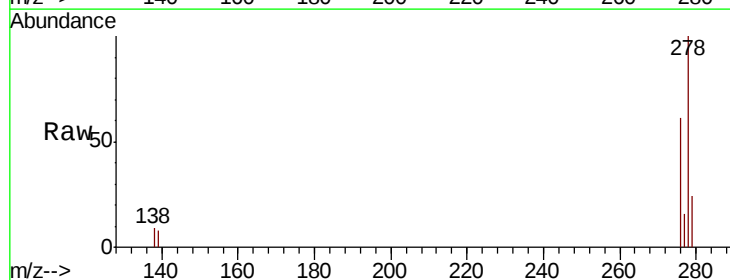
Tgt Ion:278 Resp: 158680

Ion Ratio Lower Upper

278 100

139 8.3 8.3 12.5#

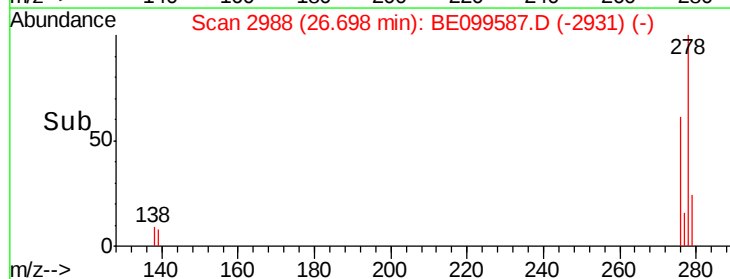
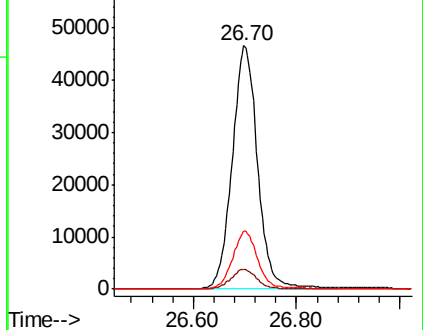
279 23.7 19.4 29.2

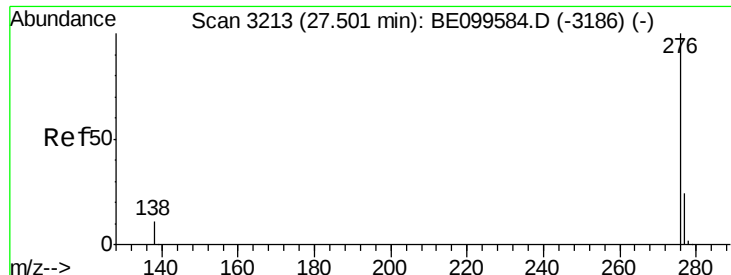


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.430 ng

RT: 27.51 min Scan# 3215

Delta R.T. 0.01 min

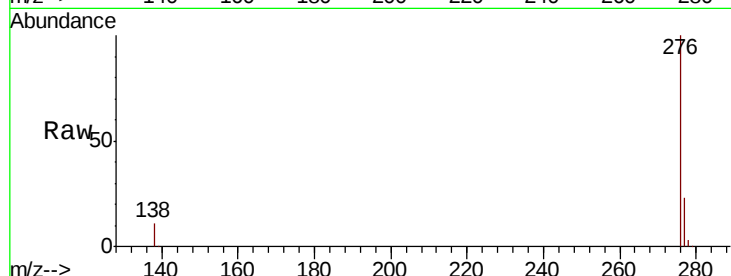
Lab File: BE099587.D

Acq: 9 May 2019 12:20

Instrument :

BNA_E

ClientSampleId :



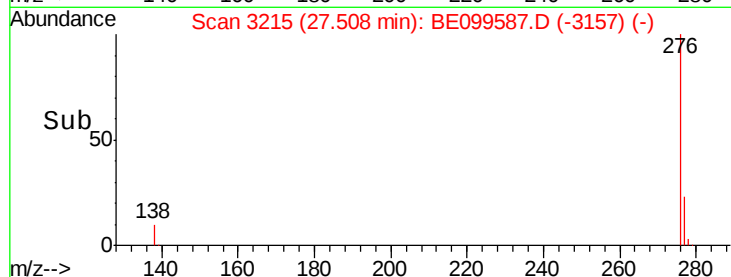
Tot Ion: 276 Resp: 157967

Ion Ratio Lower Upper

276 100

277 23.4 19.8 29.6

138 10.6 9.4 14.2



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

