

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099371.D
 Acq On : 26 Apr 2019 10:54
 Operator : JU/SJ
 Sample : PB119200BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB119200BS

Quant Time: Apr 26 14:29:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 06:51:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3970	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	13609	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	8550	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	25019	0.40	ng	0.00
27) Chrysene-d12	21.37	240	33143	0.40	ng	0.00
34) Perylene-d12	23.87	264	37372	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	3755	0.39	ng	0.01
5) Phenol-d6	6.98	99	4962	0.36	ng	0.00
8) Nitrobenzene-d5	8.96	82	4098	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	10922	0.45	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1411	0.50	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	11077	0.33	ng	0.00
25) Fluoranthene-d10	19.22	212	111044	0.37	ng	0.00
29) Terphenyl-d14	19.82	244	19804	0.30	ng	0.00

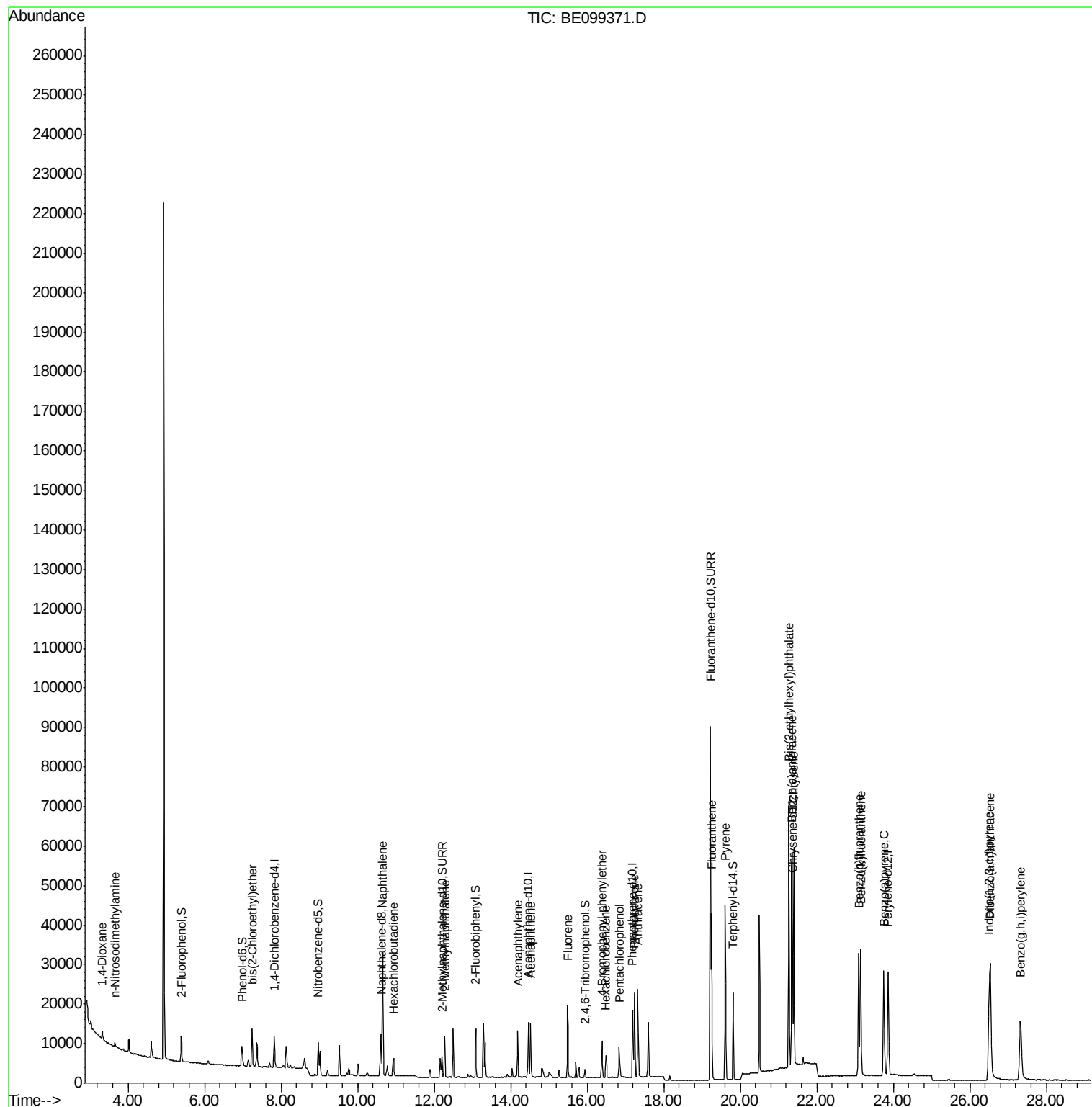
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.33	88	1526	0.275	ng	# 79
3) n-Nitrosodimethylamine	3.65	42	1224	0.409	ng	# 74
6) bis(2-Chloroethyl)ether	7.24	93	3870	0.300	ng	98
9) Naphthalene	10.65	128	49189	0.331	ng	100
10) Hexachlorobutadiene	10.94	225	3204	0.340	ng	96
12) 2-Methylnaphthalene	12.28	142	8195	0.324	ng	95
16) Acenaphthylene	14.18	152	13056	0.338	ng	100
17) Acenaphthene	14.53	154	7798	0.327	ng	99
18) Fluorene	15.49	166	11402	0.333	ng	97
20) 4-Bromophenyl-phenylether	16.38	248	4586	0.331	ng	# 95
21) Hexachlorobenzene	16.49	284	4708	0.353	ng	98
22) Pentachlorophenol	16.84	266	4227	1.006	ng	90
23) Phenanthrene	17.23	178	23890	0.361	ng	99
24) Anthracene	17.32	178	23428	0.398	ng	99
26) Fluoranthene	19.25	202	38147	0.430	ng	99
28) Pyrene	19.61	202	40688	0.417	ng	99
30) Benzo(a)anthracene	21.34	228	47064	0.483	ng	99
31) Chrysene	21.40	228	45368	0.438	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	67150	0.757	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	52043	0.508	ng	98
35) Benzo(b)fluoranthene	23.10	252	44962	0.393	ng	97
36) Benzo(k)fluoranthene	23.15	252	45594	0.400	ng	99
37) Benzo(a)pyrene	23.75	252	43383	0.423	ng	98
38) Dibenzo(a,h)anthracene	26.54	278	43135	0.412	ng	99
39) Benzo(g,h,i)perylene	27.32	276	42063	0.396	ng	96

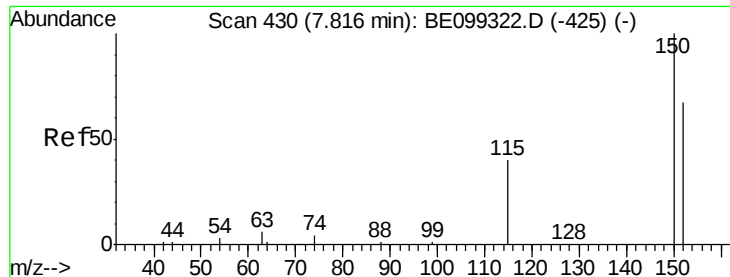
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

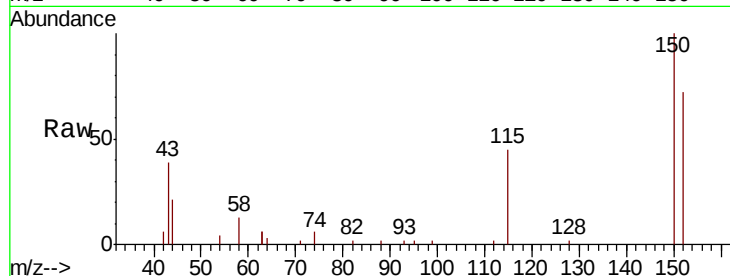
Tot Ion:152 Resp: 3970

Ion Ratio Lower Upper

152 100

150 138.5 119.5 179.3

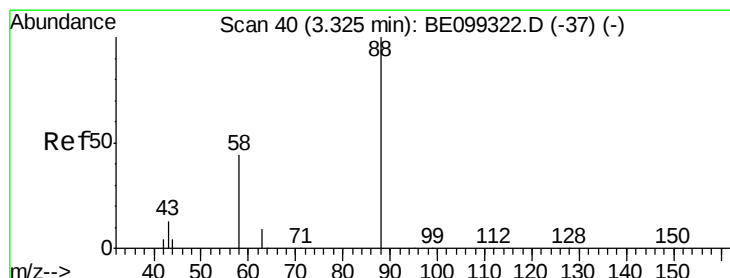
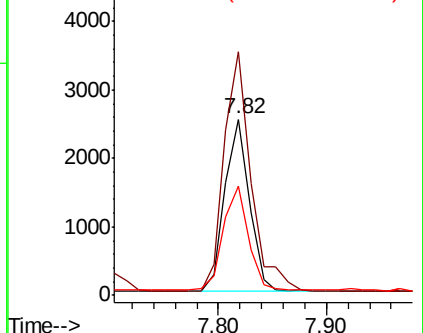
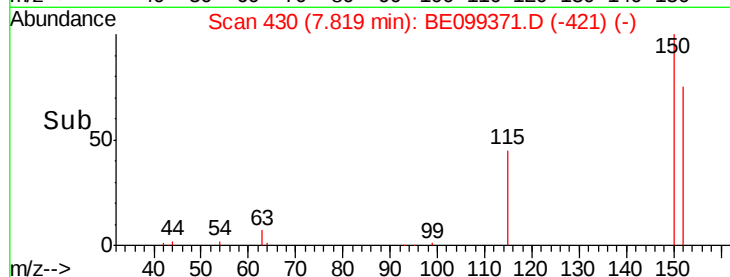
115 61.8 47.5 71.3



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: 0.275 ng

RT: 3.33 min Scan# 40

Delta R.T. 0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

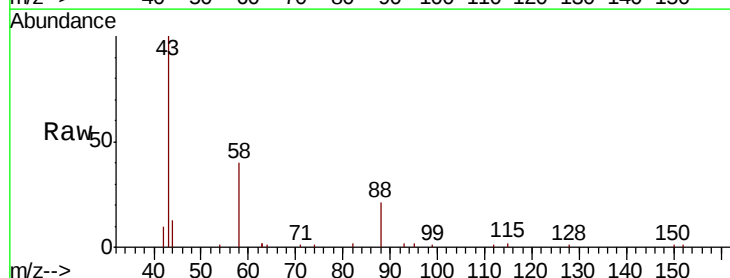
Tgt Ion: 88 Resp: 1526

Ion Ratio Lower Upper

88 100

58 70.0 49.1 73.7

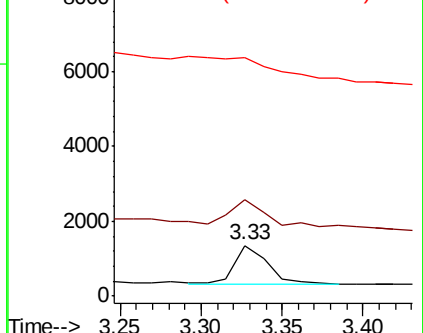
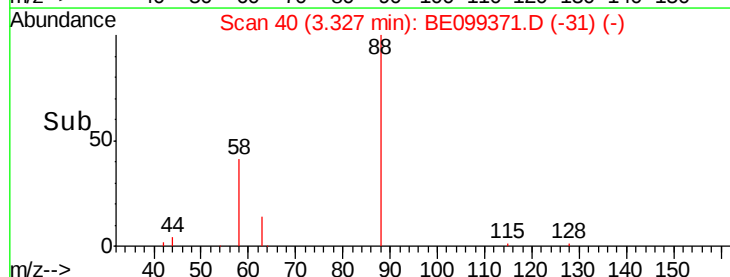
43 0.0 17.9 26.9#

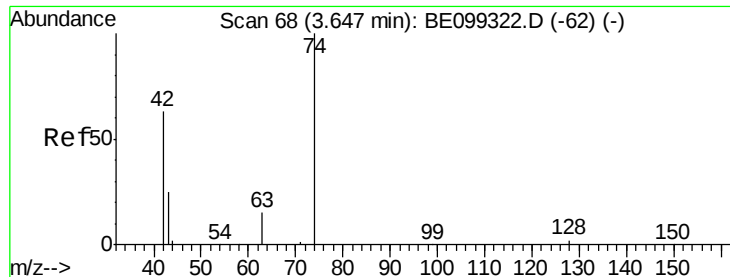


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.409 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

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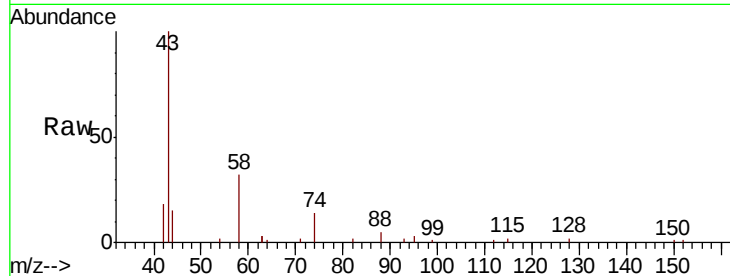
Tot Ion: 42 Resp: 1224

Ion Ratio Lower Upper

42 100

74 144.8 145.8 218.8#

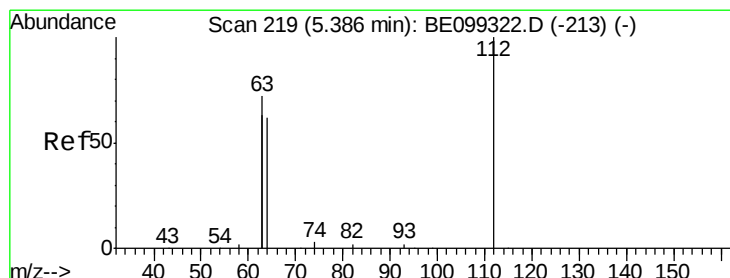
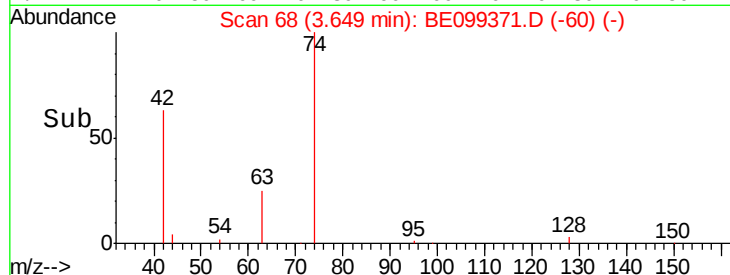
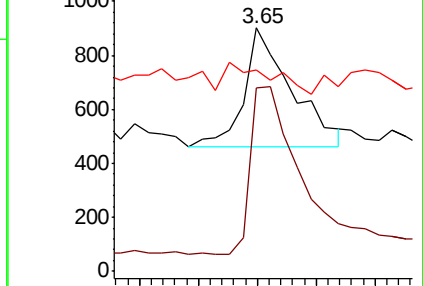
44 0.0 9.0 13.4#



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: 0.387 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

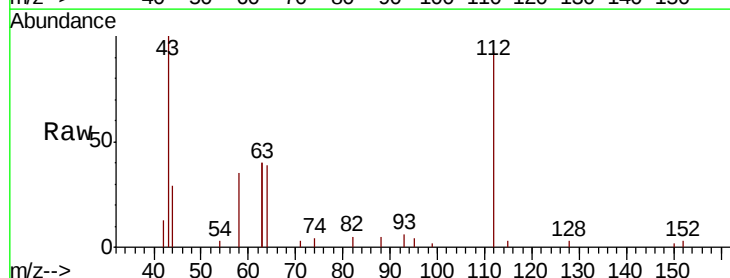
Tgt Ion: 112 Resp: 3755

Ion Ratio Lower Upper

112 100

64 56.8 44.9 67.3

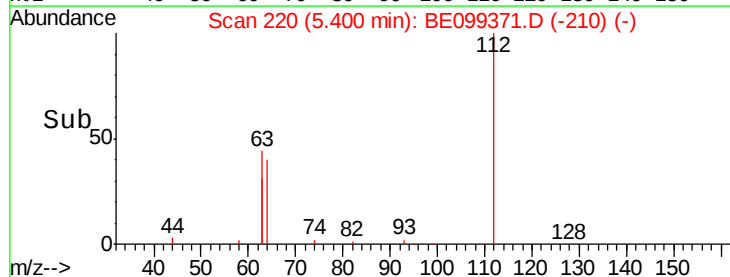
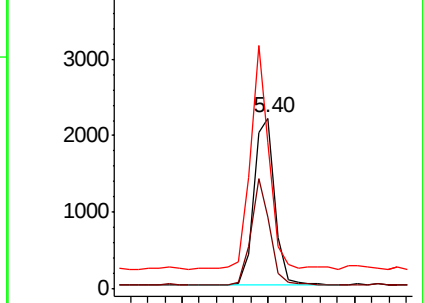
63 119.2 97.4 146.0

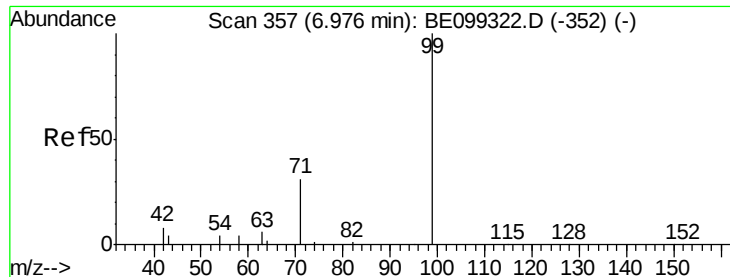


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.358 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

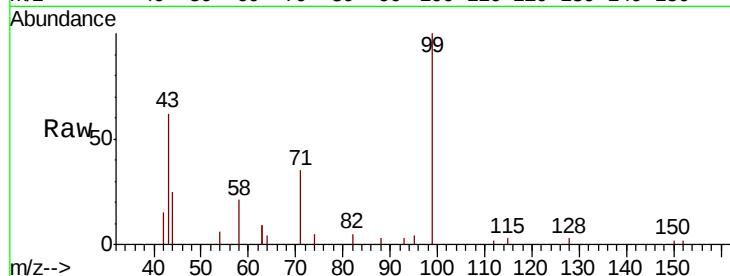
Tot Ion: 99 Resp: 4962

Ion Ratio Lower Upper

99 100

42 14.8 11.7 17.5

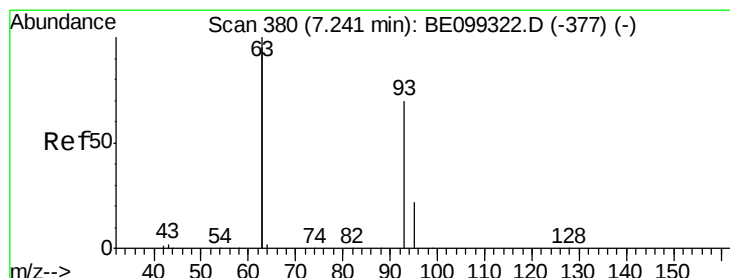
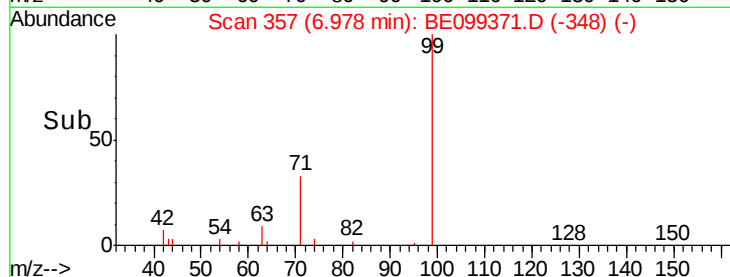
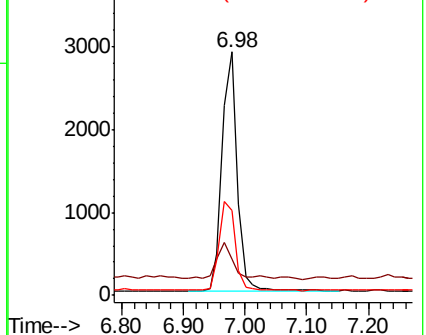
71 39.6 29.6 44.4



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: 0.300 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

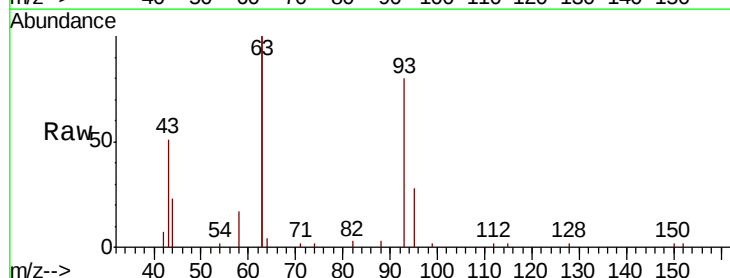
Tgt Ion: 93 Resp: 3870

Ion Ratio Lower Upper

93 100

63 275.0 216.6 324.8

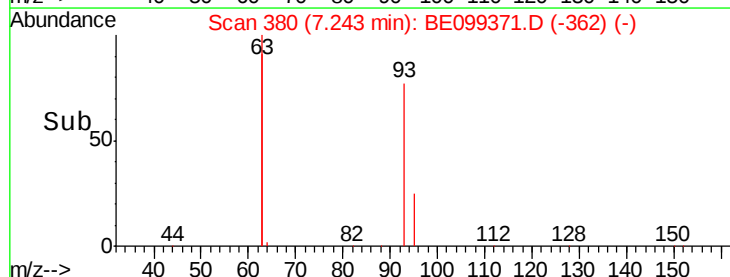
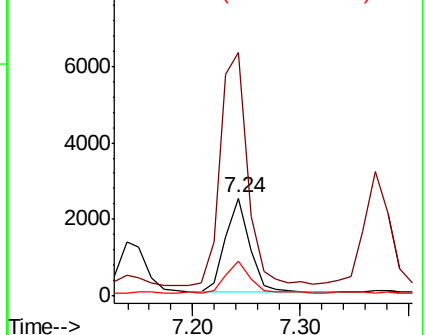
95 33.2 25.8 38.6

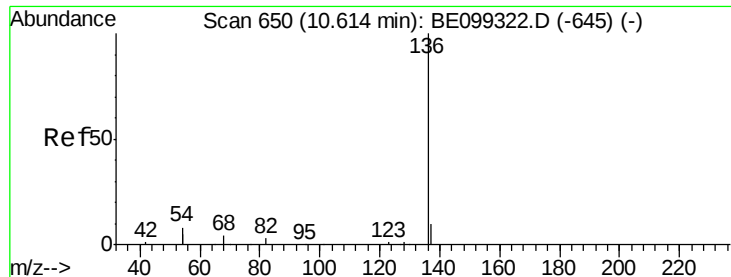


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. 0.01 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

Tot Ion:136 Resp: 13609

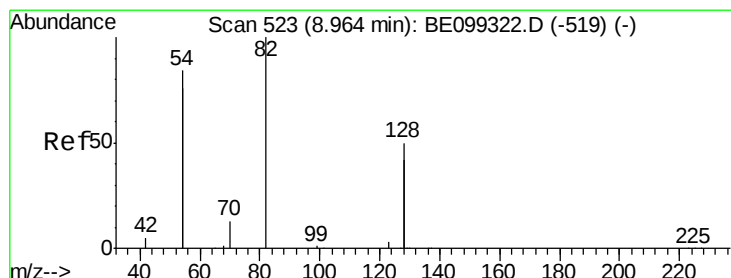
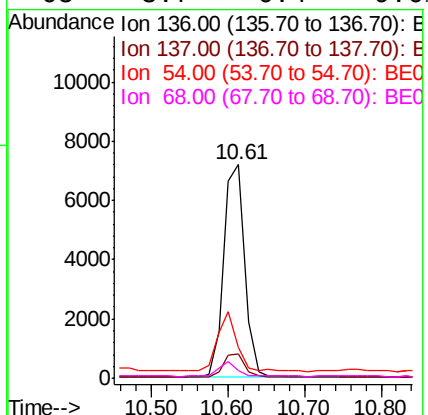
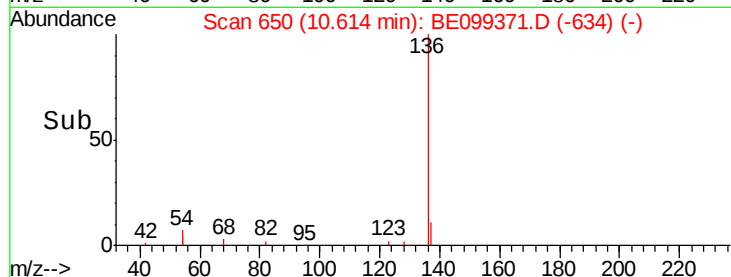
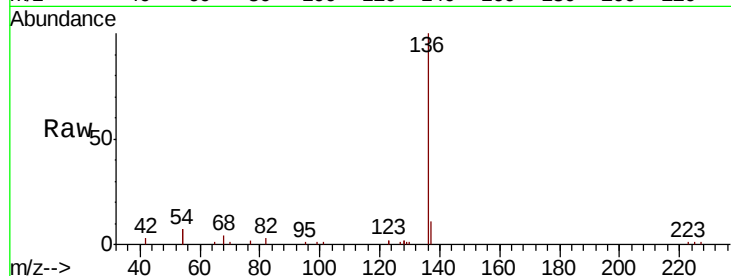
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 14.3 23.8 35.8#

68 3.7 6.4 9.6#



#8

Nitrobenzene-d5

Concen: 0.388 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

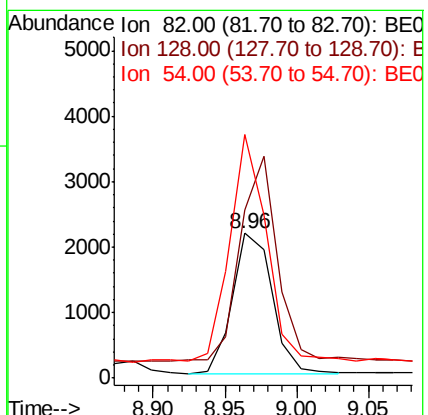
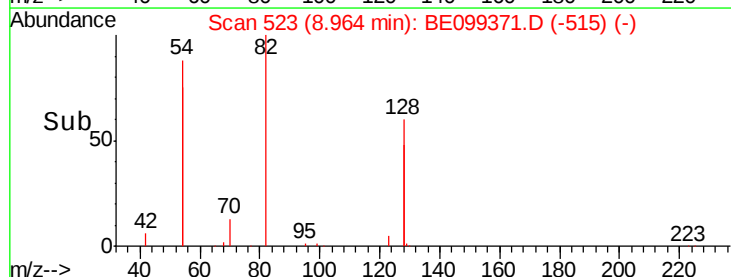
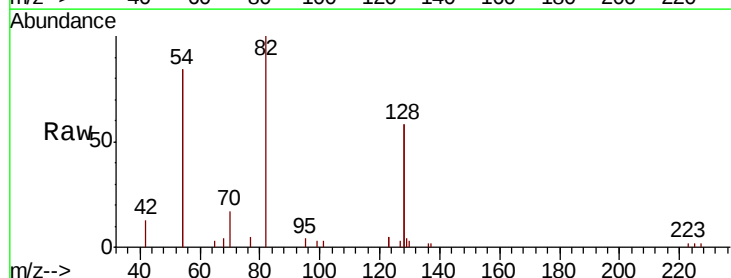
Tgt Ion: 82 Resp: 4098

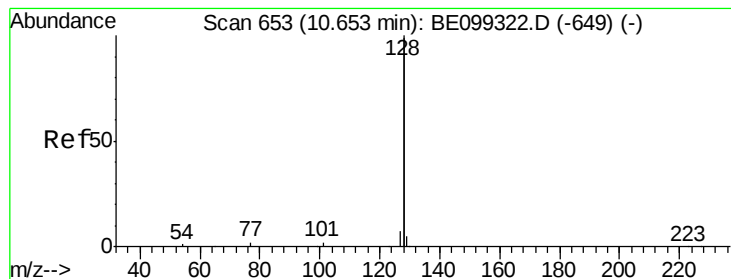
Ion Ratio Lower Upper

82 100

128 116.0 91.7 137.5

54 168.5 122.8 184.2





#9

Naphthalene

Concen: 0.331 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

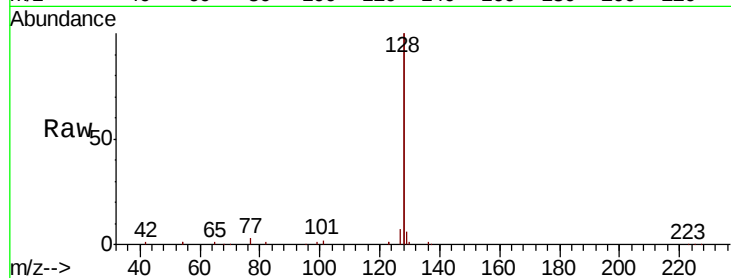
Tot Ion:128 Resp: 49189

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

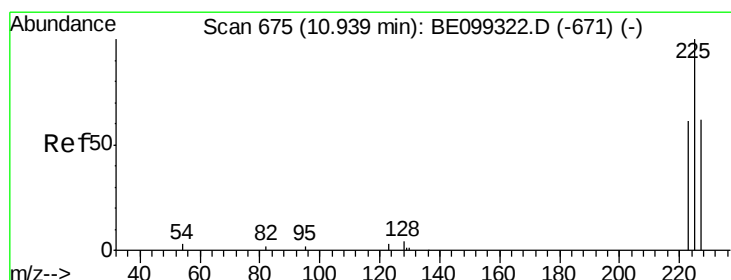
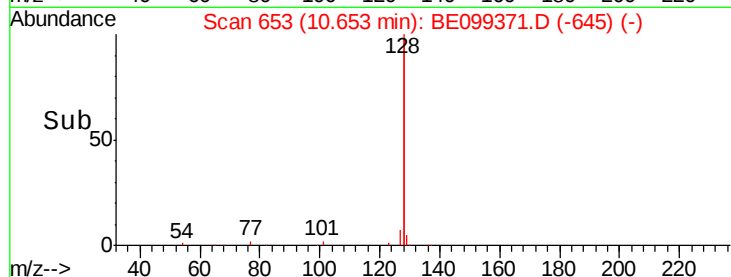
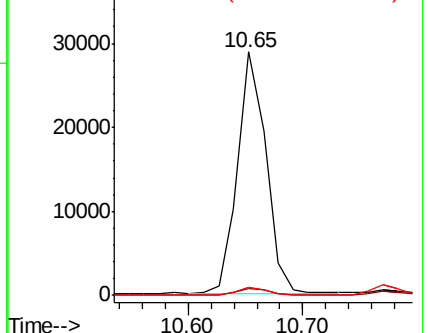
127 3.5 2.8 4.2



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: 0.340 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

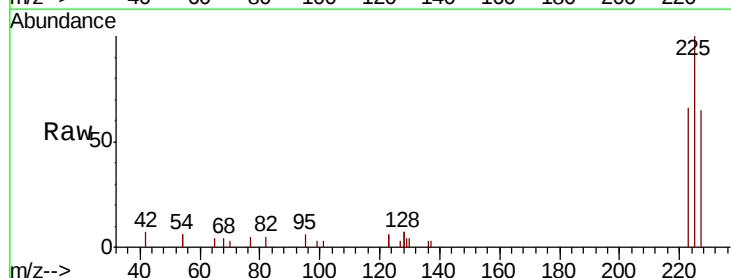
Tgt Ion:225 Resp: 3204

Ion Ratio Lower Upper

225 100

223 66.2 50.3 75.5

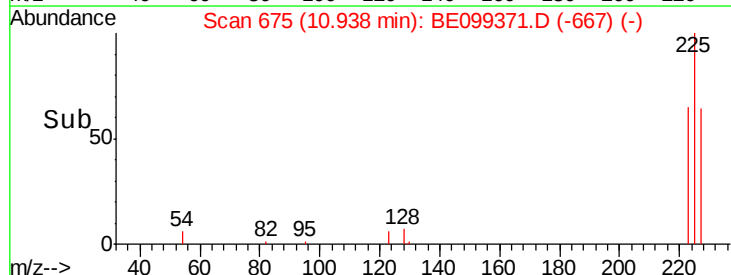
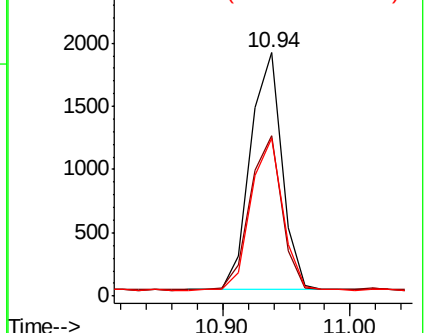
227 64.7 49.4 74.0

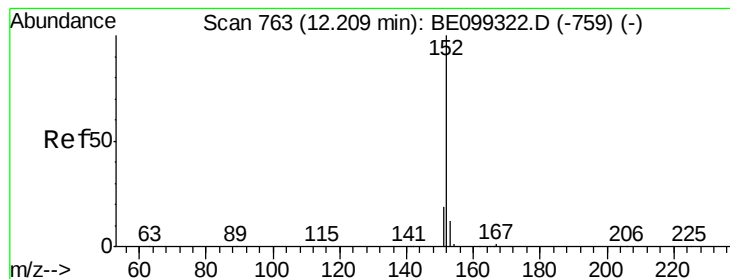


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.455 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

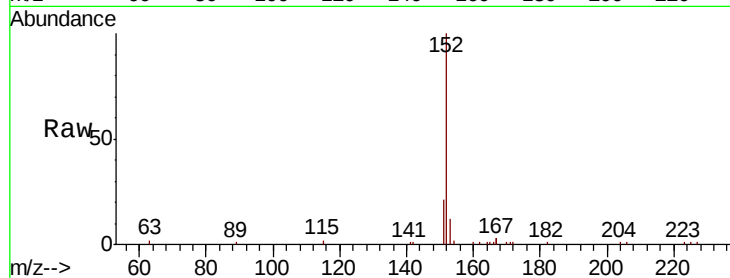
PB119200BS

Tot Ion:152 Resp: 10922

Ion Ratio Lower Upper

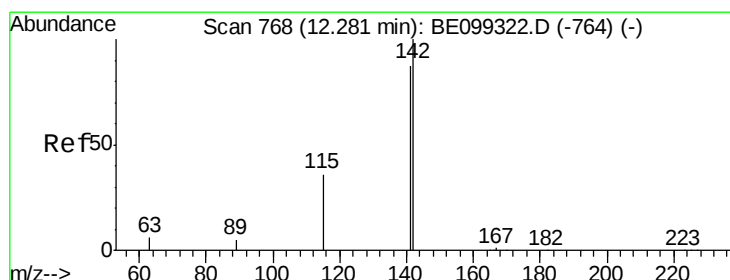
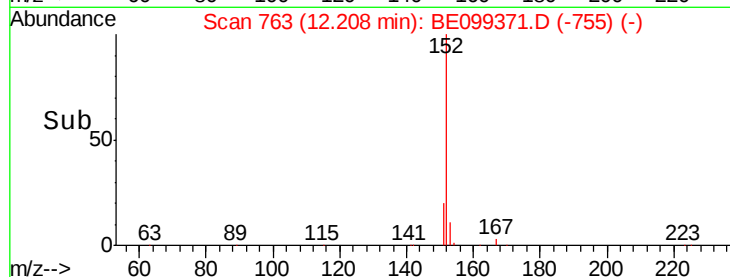
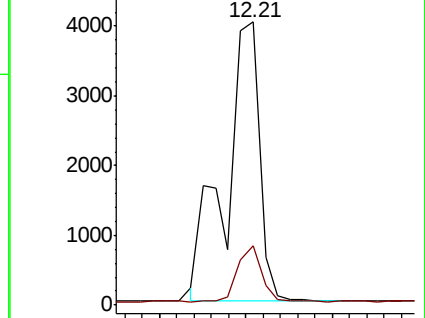
152 100

151 14.1 14.9 22.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.324 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

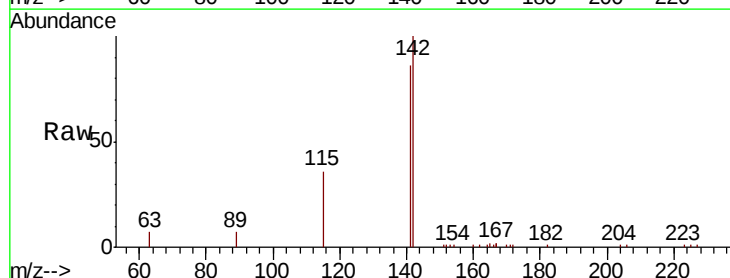
Tgt Ion:142 Resp: 8195

Ion Ratio Lower Upper

142 100

141 86.4 72.0 108.0

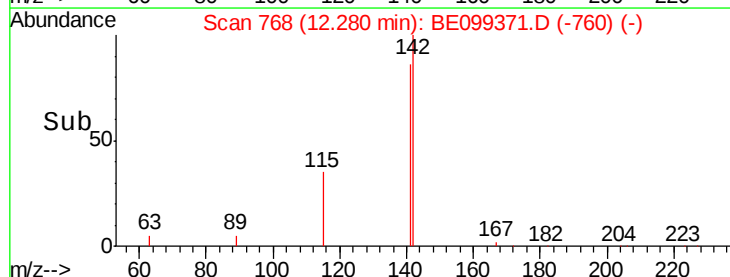
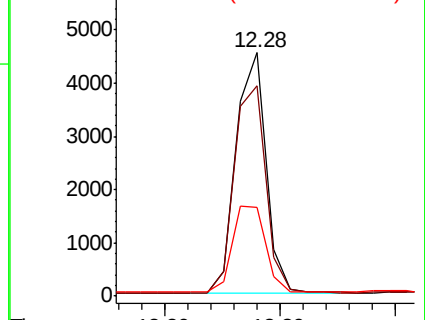
115 36.3 33.4 50.0

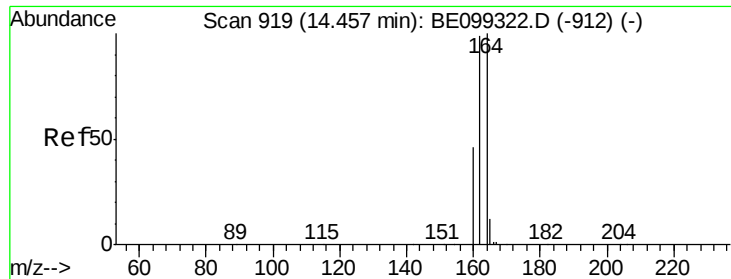


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

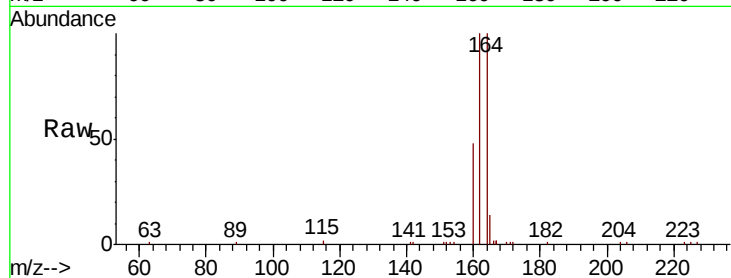




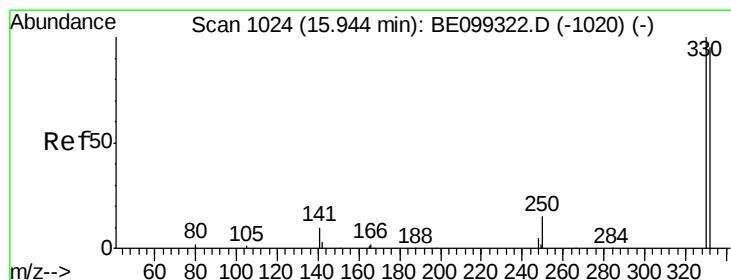
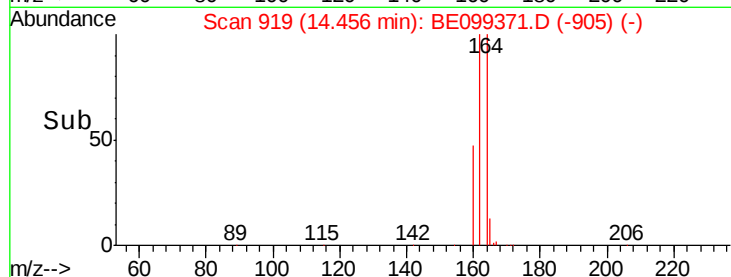
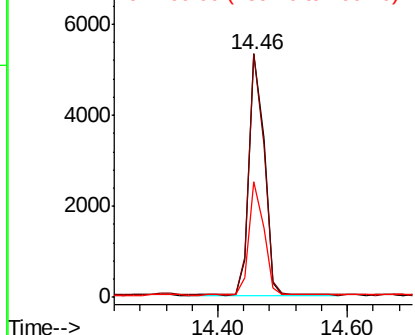
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099371.D
 Acq: 26 Apr 2019 10:54

Instrument :
 BNA_E
 ClientSampleId :
 PB119200BS

Tot Ion:164 Resp: 8550
 Ion Ratio Lower Upper
 164 100
 162 100.1 77.8 116.6
 160 47.7 37.1 55.7

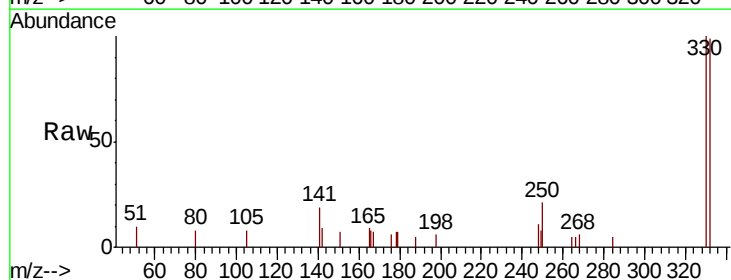


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

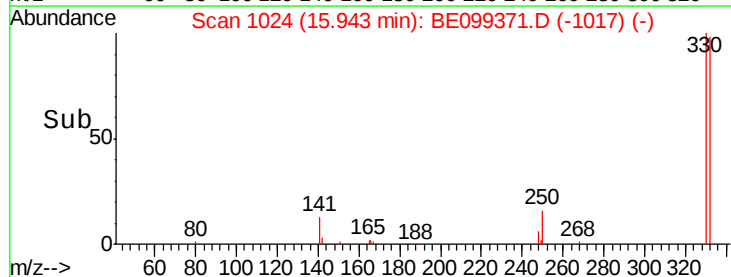
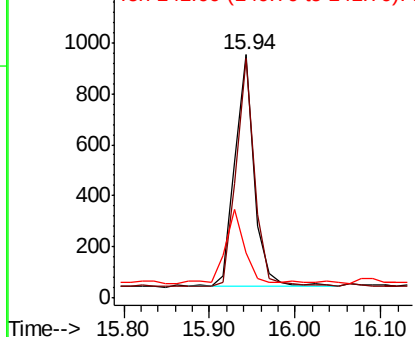


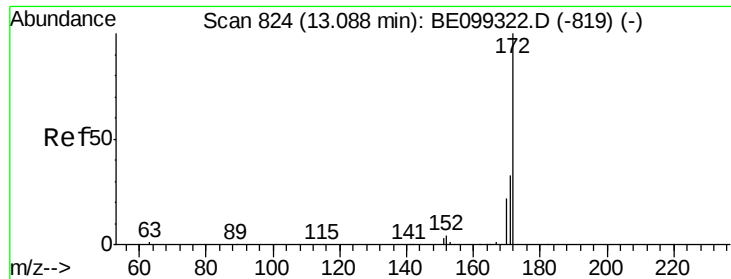
#14
 2,4,6-Tribromophenol
 Concen: 0.497 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099371.D
 Acq: 26 Apr 2019 10:54

Tgt Ion:330 Resp: 1411
 Ion Ratio Lower Upper
 330 100
 332 95.9 82.5 123.7
 141 32.2 24.9 37.3



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

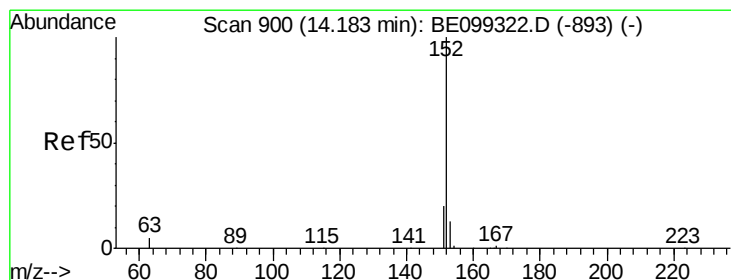
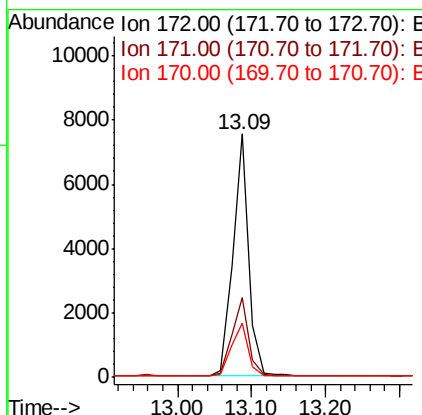
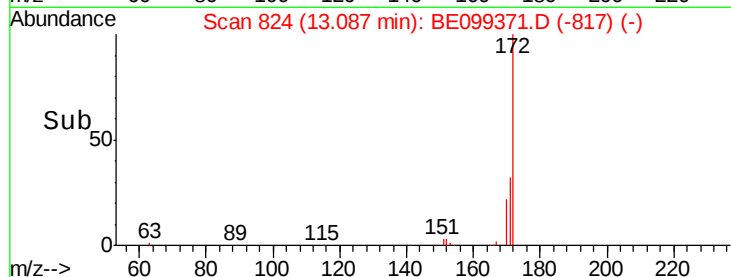
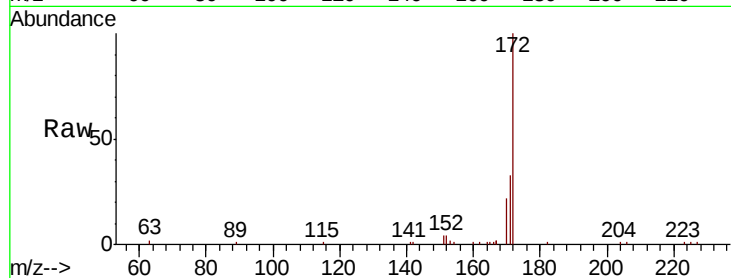




#15
2-Fluorobiphenyl
Concen: 0.330 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099371.D
Acq: 26 Apr 2019 10:54

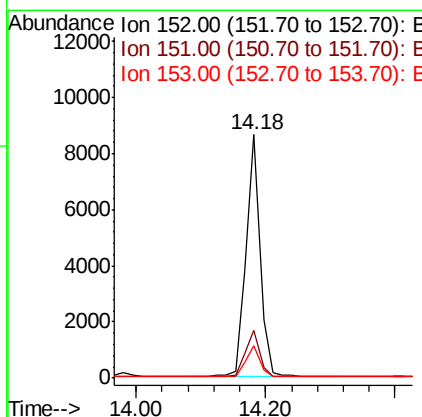
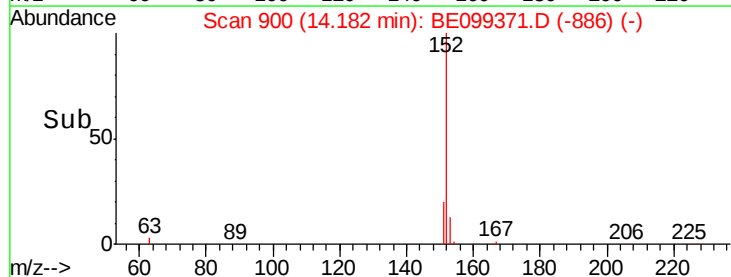
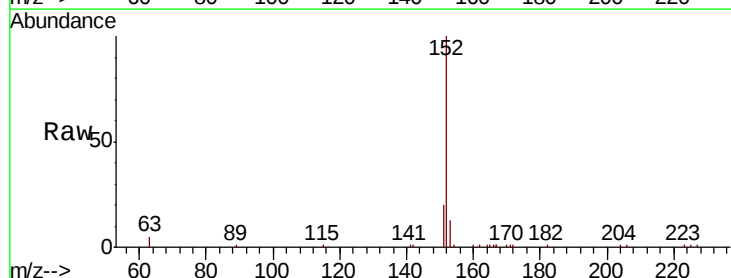
Instrument :
BNA_E
ClientSampleId :
PB119200BS

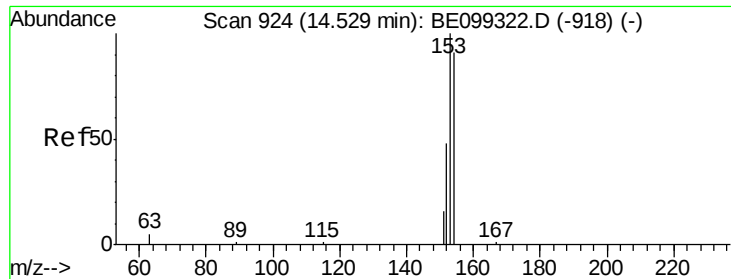
Tot Ion:172 Resp: 11077
Ion Ratio Lower Upper
172 100
171 32.8 26.2 39.2
170 22.3 18.1 27.1



#16
Acenaphthylene
Concen: 0.338 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099371.D
Acq: 26 Apr 2019 10:54

Tgt Ion:152 Resp: 13056
Ion Ratio Lower Upper
152 100
151 19.3 15.5 23.3
153 13.0 10.2 15.4

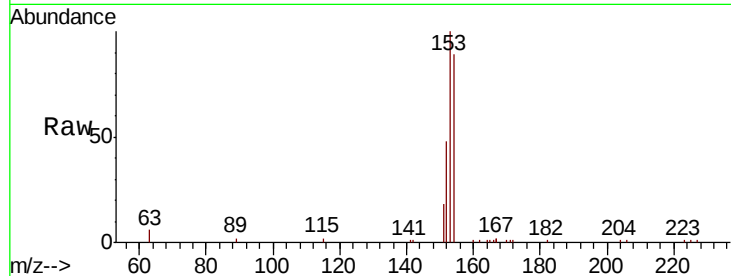




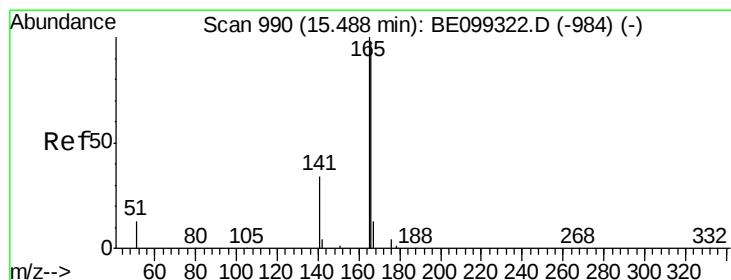
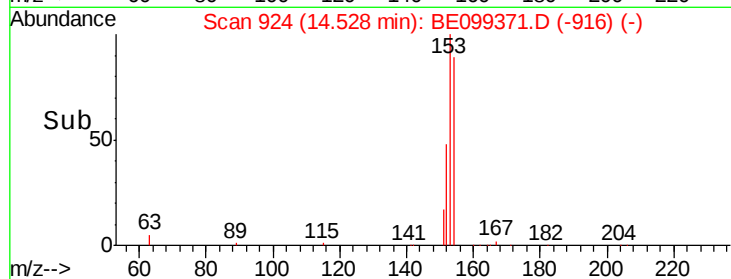
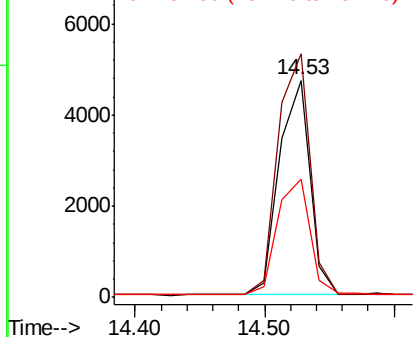
#17
Acenaphthene
Concen: 0.327 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.01 min
Lab File: BE099371.D
Acq: 26 Apr 2019 10:54

Instrument :
BNA_E
ClientSampleId :
PB119200BS

Tot Ion:154 Resp: 7798
Ion Ratio Lower Upper
154 100
153 117.1 94.7 142.1
152 56.9 46.4 69.6

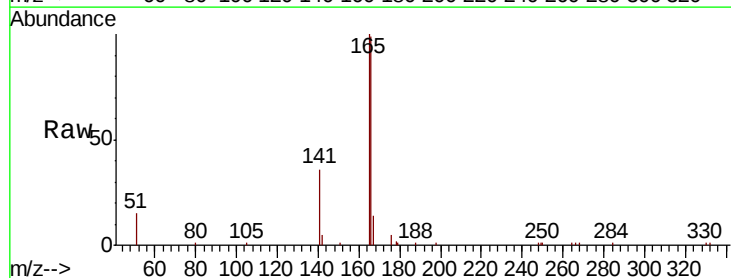


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

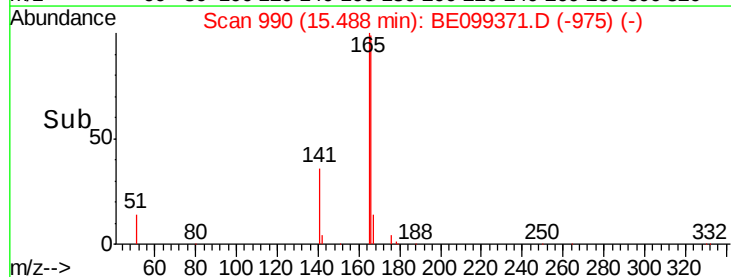
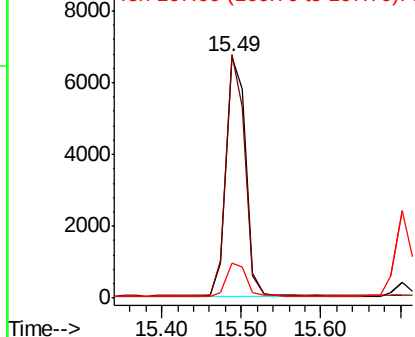


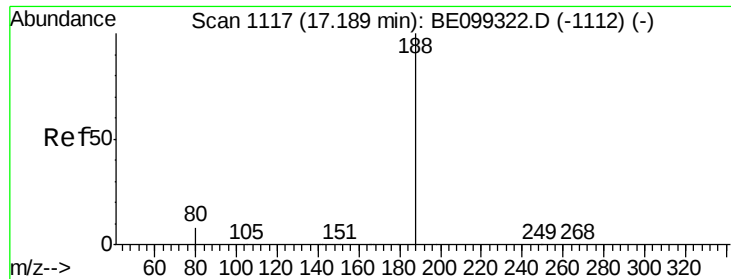
#18
Fluorene
Concen: 0.333 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099371.D
Acq: 26 Apr 2019 10:54

Tgt Ion:166 Resp: 11402
Ion Ratio Lower Upper
166 100
165 96.6 79.7 119.5
167 14.2 11.0 16.4



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: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

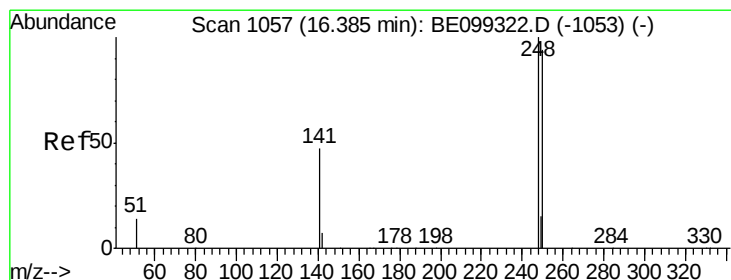
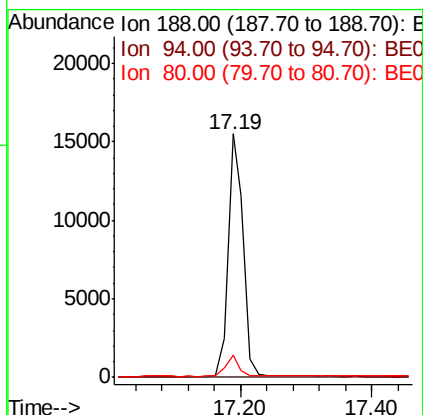
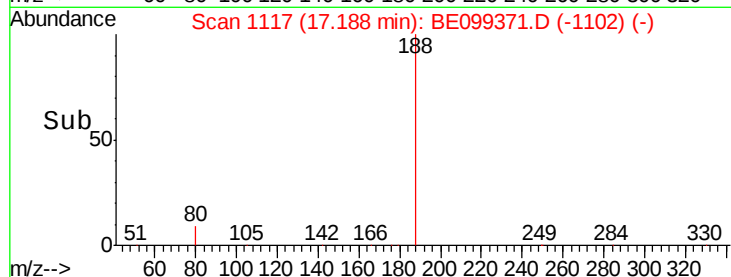
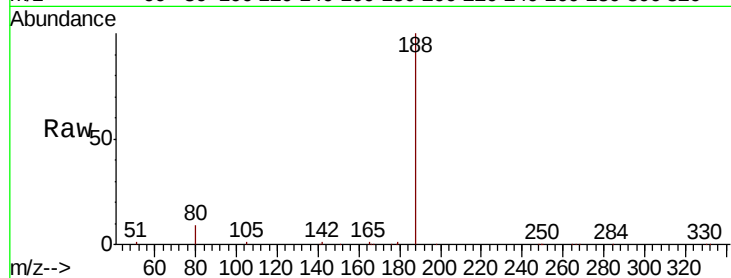
Tot Ion:188 Resp: 25019

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.4 6.2 9.4#



#20

4-Bromophenyl-phenylether

Concen: 0.331 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

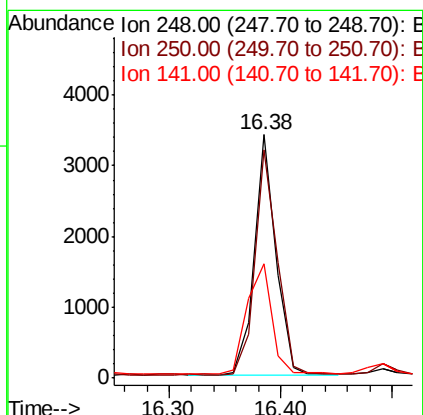
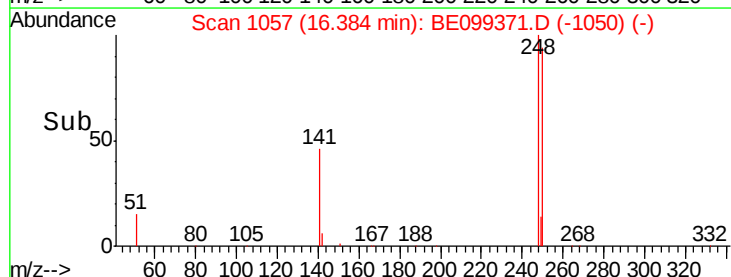
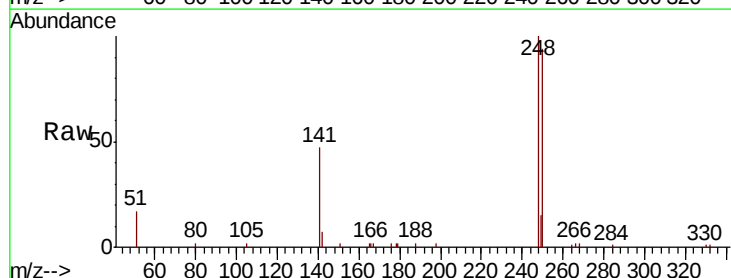
Tgt Ion:248 Resp: 4586

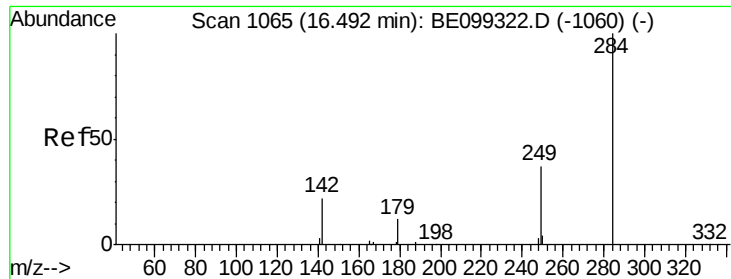
Ion Ratio Lower Upper

248 100

250 94.0 77.0 115.6

141 46.9 31.1 46.7#

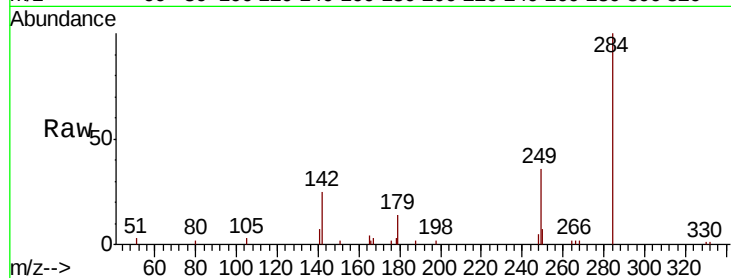




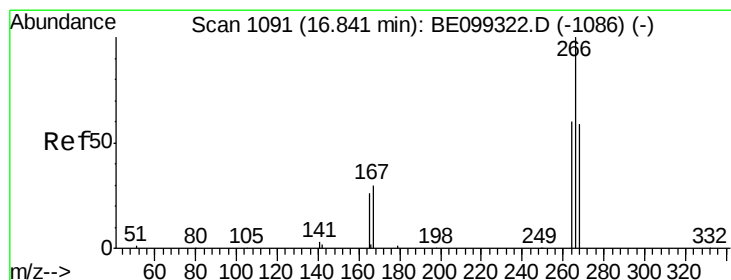
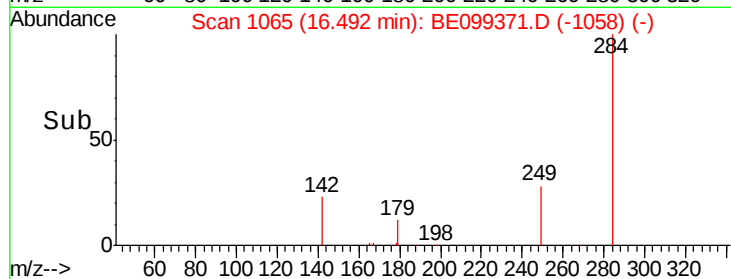
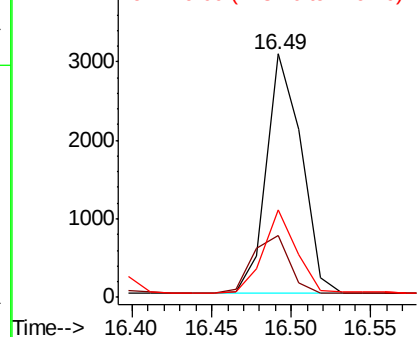
#21
Hexachlorobenzene
Concen: 0.353 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BE099371.D
Acq: 26 Apr 2019 10:54

Instrument :
BNA_E
ClientSampleId :
PB119200BS

Tot Ion:284 Resp: 4708
Ion Ratio Lower Upper
284 100
142 25.0 21.8 32.6
249 32.8 26.2 39.4

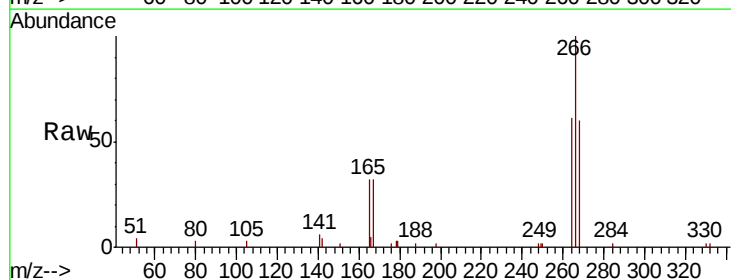


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

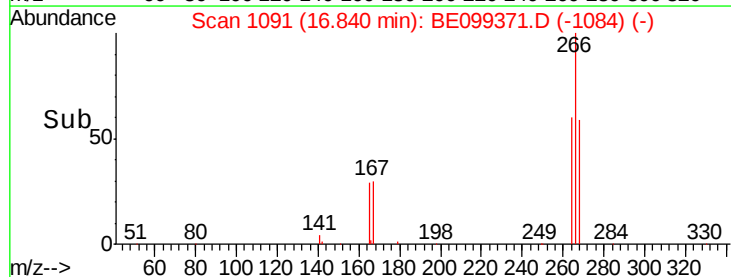
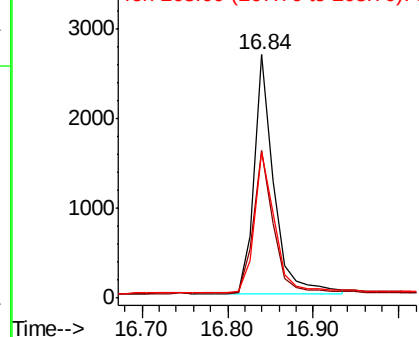


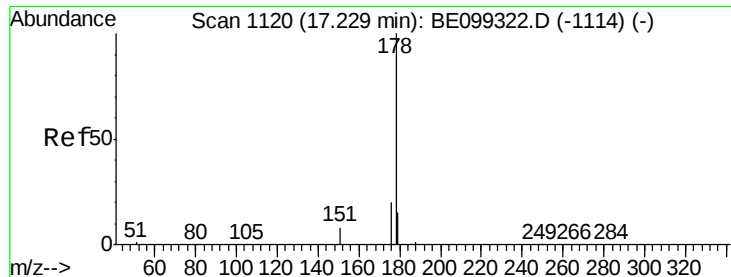
#22
Pentachlorophenol
Concen: 1.006 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE099371.D
Acq: 26 Apr 2019 10:54

Tgt Ion:266 Resp: 4227
Ion Ratio Lower Upper
266 100
264 60.6 54.5 81.7
268 59.9 54.3 81.5



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: 0.361 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

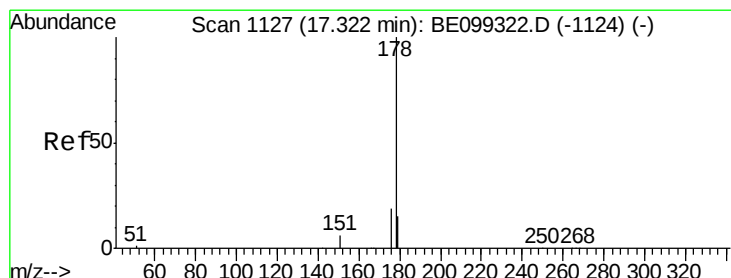
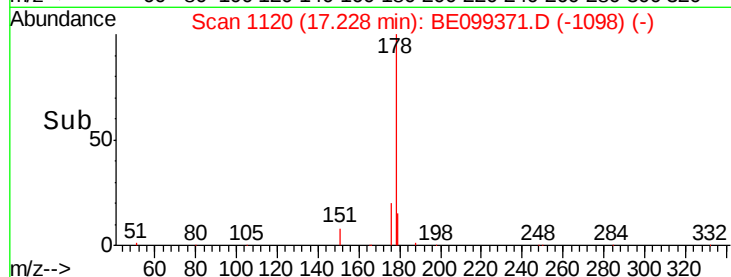
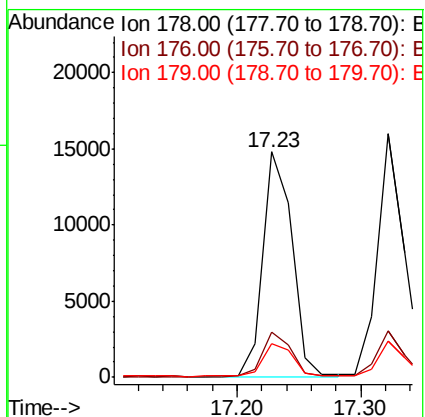
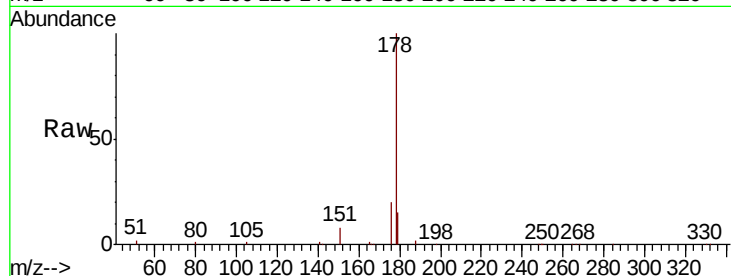
Tot Ion:178 Resp: 23890

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

179 15.2 12.4 18.6



#24

Anthracene

Concen: 0.398 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

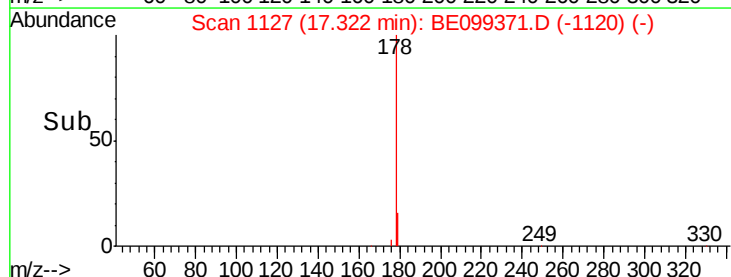
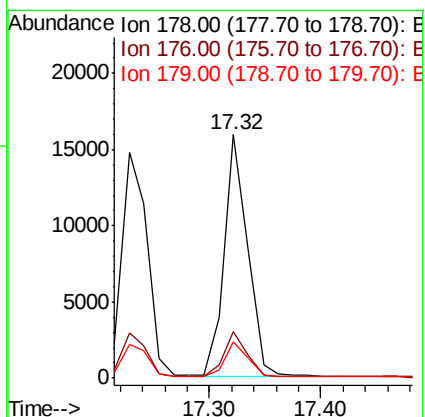
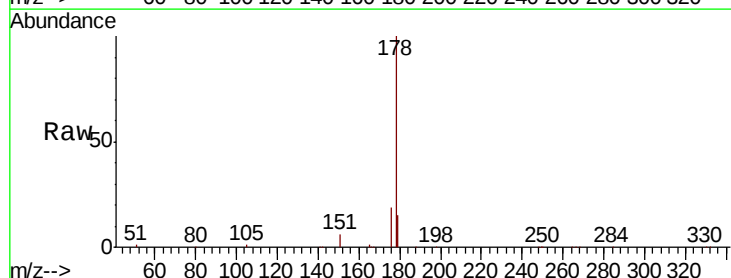
Tgt Ion:178 Resp: 23428

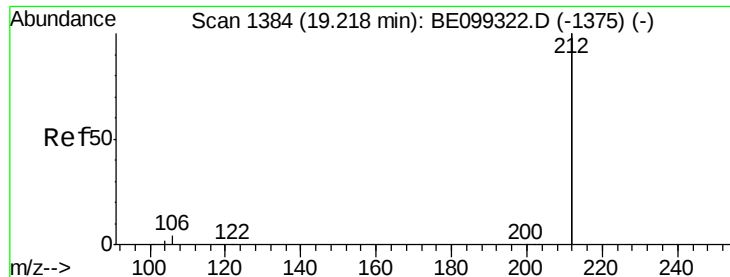
Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 14.5 11.9 17.9





#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

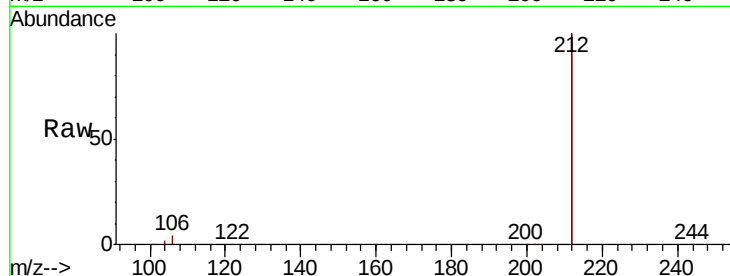
Tot Ion:212 Resp: 111044

Ion Ratio Lower Upper

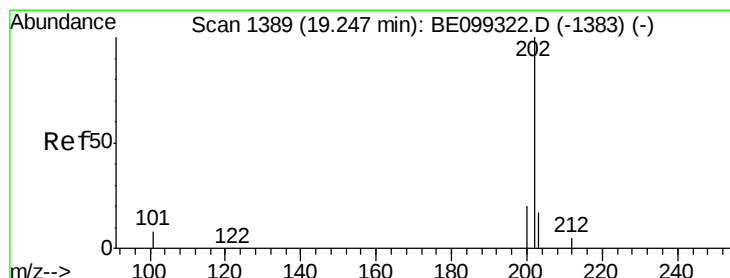
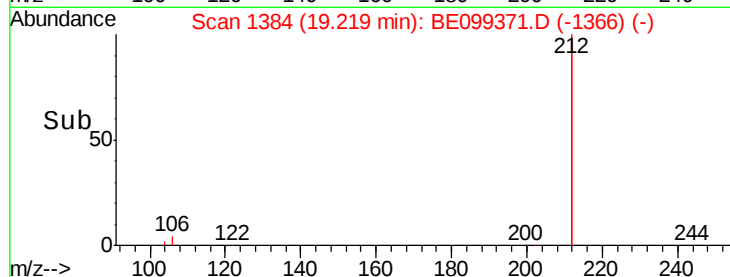
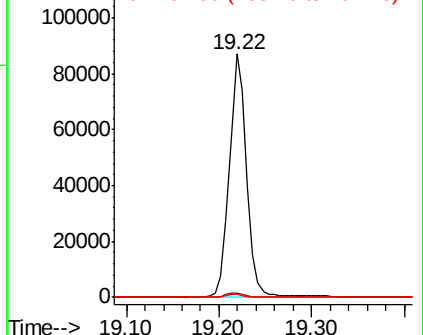
212 100

106 2.0 1.8 2.6

104 1.1 1.0 1.4



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: 0.430 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

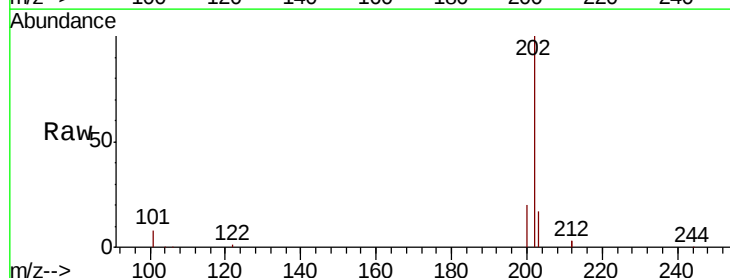
Tgt Ion:202 Resp: 38147

Ion Ratio Lower Upper

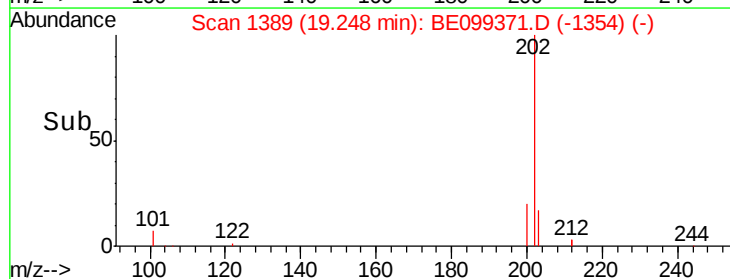
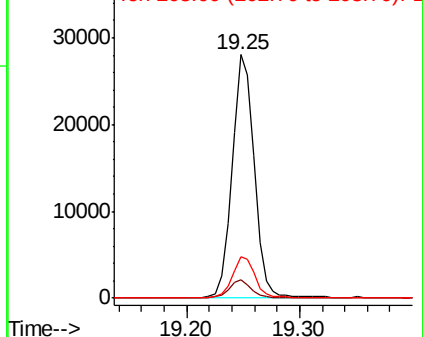
202 100

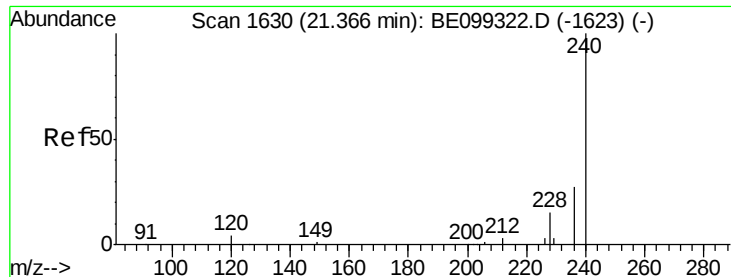
101 7.2 6.4 9.6

203 16.8 13.5 20.3



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

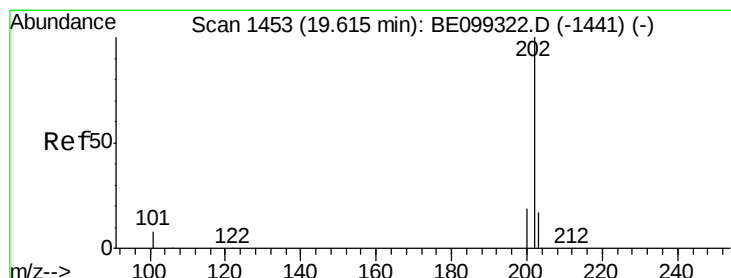
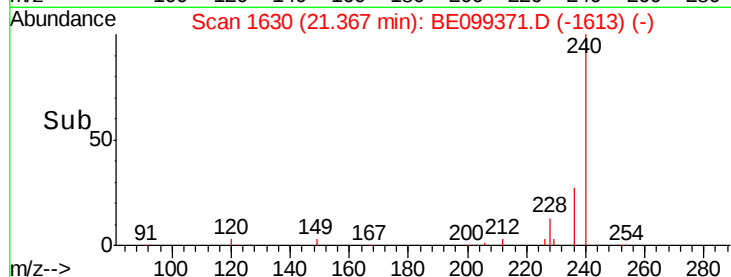
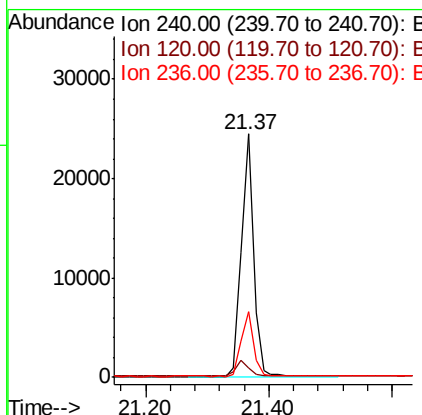
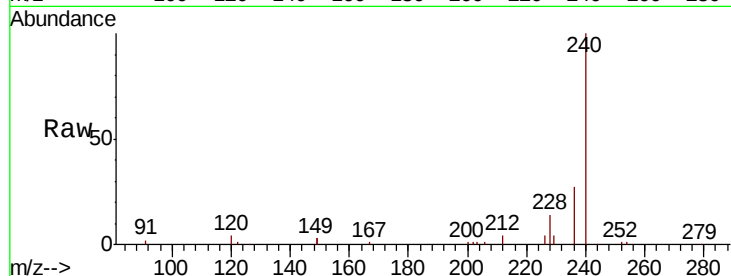




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099371.D
Acq: 26 Apr 2019 10:54

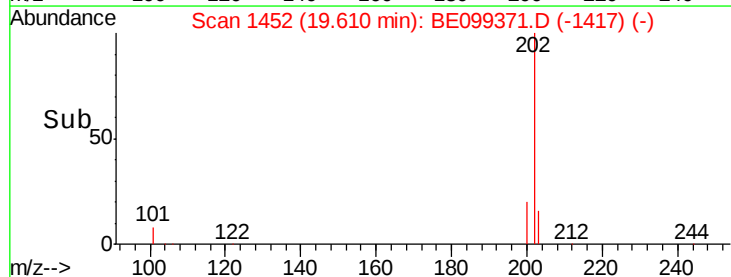
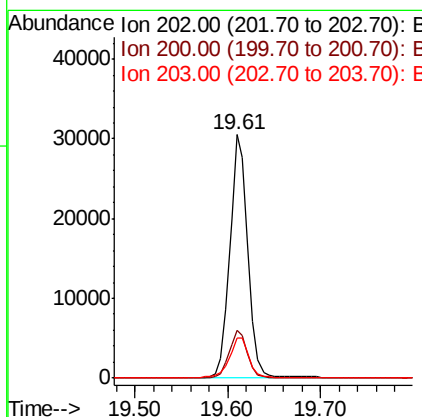
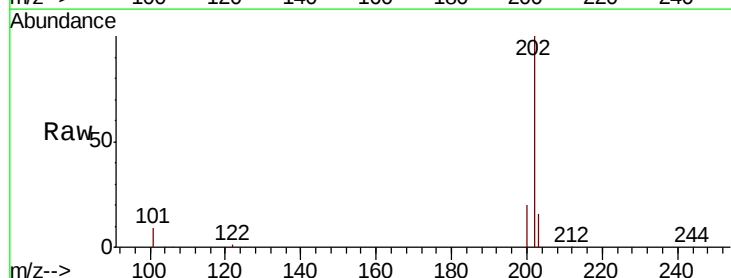
Instrument :
BNA_E
ClientSampleId :
PB119200BS

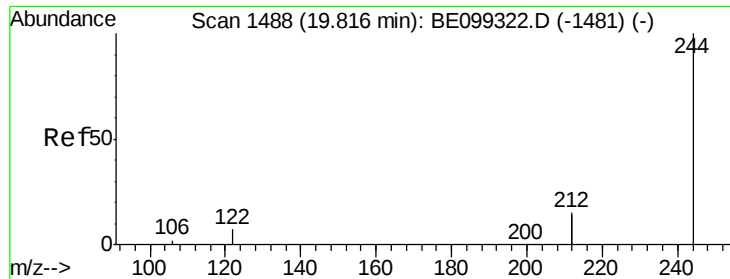
Tot Ion:240 Resp: 33143
Ion Ratio Lower Upper
240 100
120 3.7 2.2 3.2#
236 27.1 20.2 30.4



#28
Pyrene
Concen: 0.417 ng
RT: 19.61 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE099371.D
Acq: 26 Apr 2019 10:54

Tgt Ion:202 Resp: 40688
Ion Ratio Lower Upper
202 100
200 19.5 15.7 23.5
203 17.7 13.7 20.5





#29

Terphenyl-d14

Concen: 0.304 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

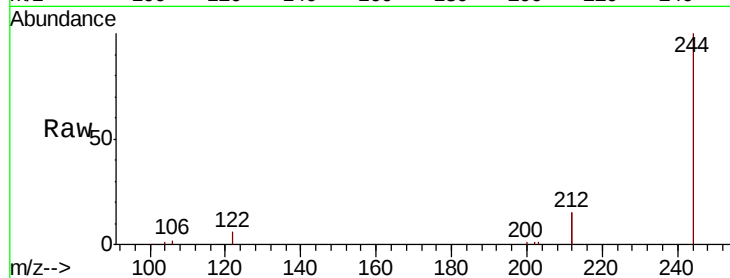
Tot Ion:244 Resp: 19804

Ion Ratio Lower Upper

244 100

212 29.1 22.6 33.8

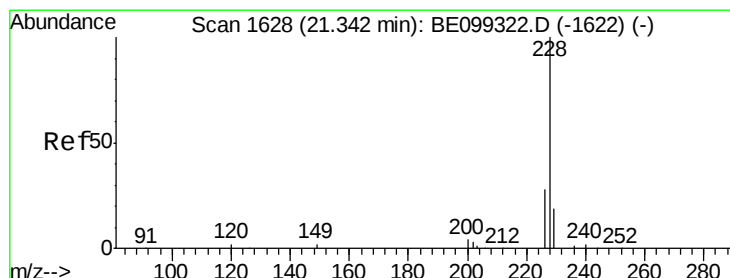
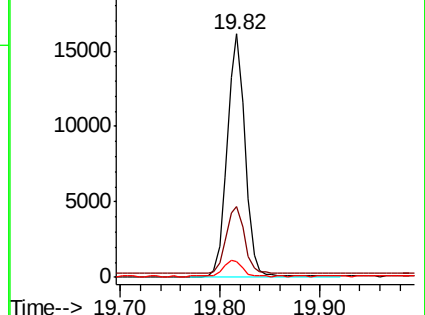
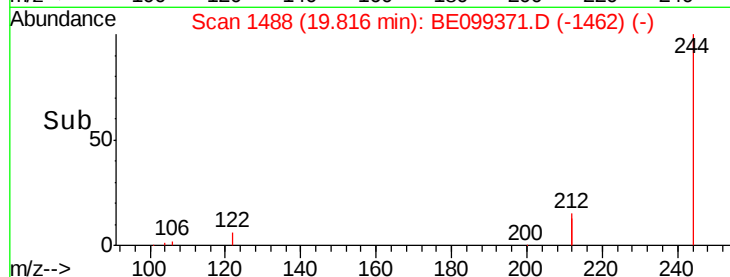
122 6.4 4.6 7.0



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: 0.483 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

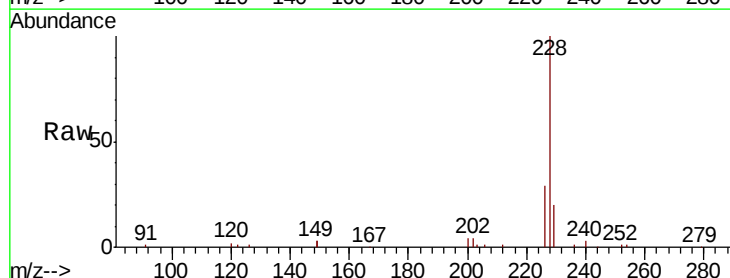
Tgt Ion:228 Resp: 47064

Ion Ratio Lower Upper

228 100

226 28.7 22.0 33.0

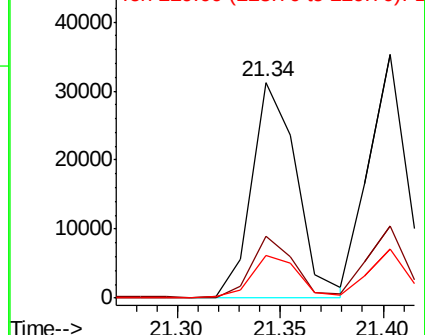
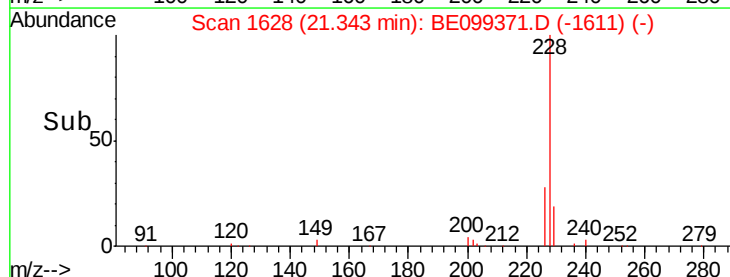
229 19.7 15.8 23.8

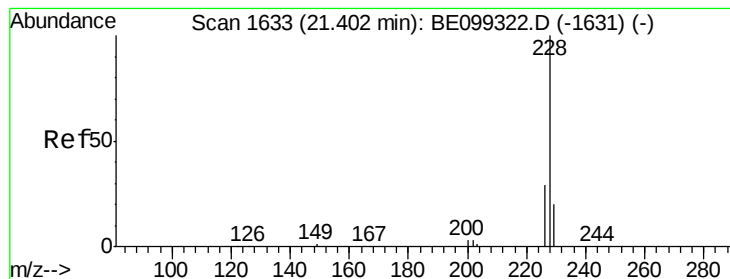


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.438 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

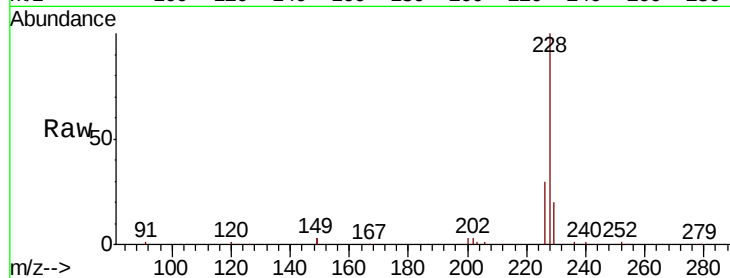
Tot Ion:228 Resp: 45368

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

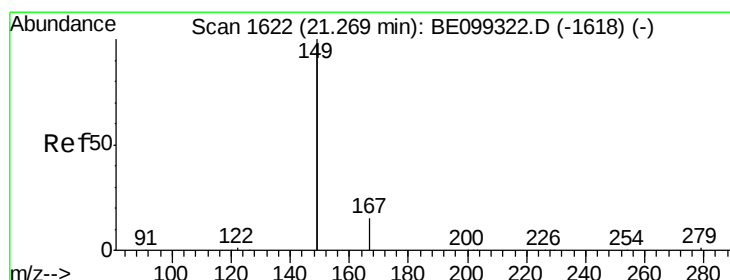
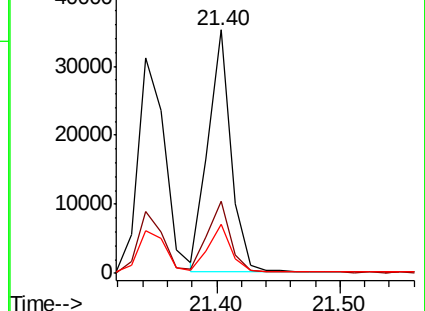
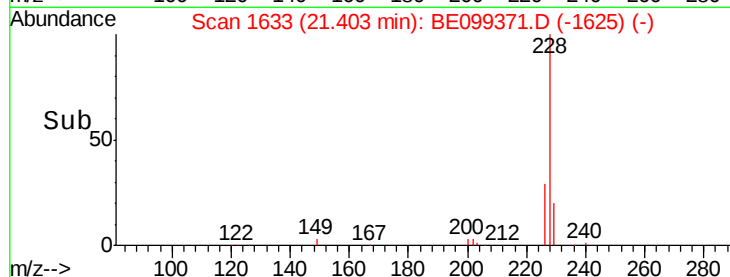
229 20.0 16.2 24.2



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: 0.757 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

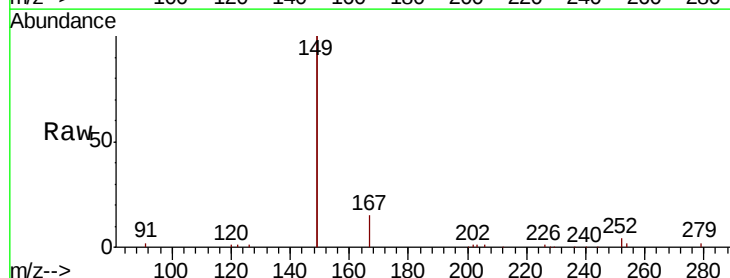
Tgt Ion:149 Resp: 67150

Ion Ratio Lower Upper

149 100

167 7.3 6.0 9.0

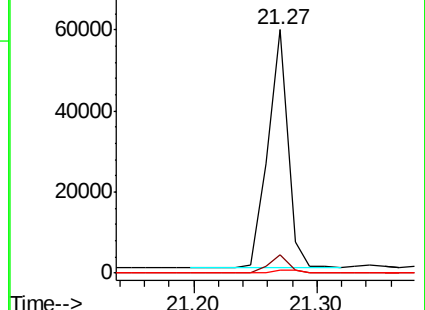
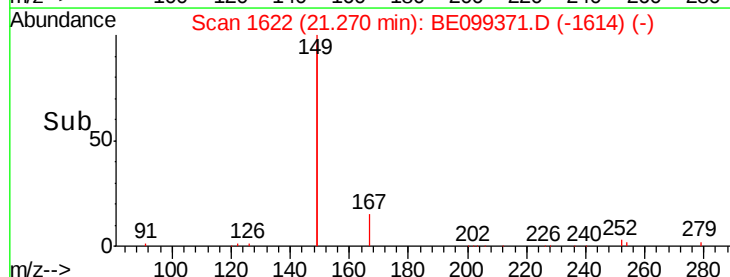
279 1.4 1.1 1.7

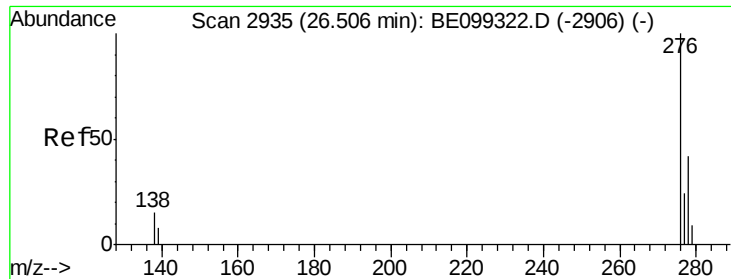


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.508 ng

RT: 26.51 min Scan# 2935

Delta R.T. 0.01 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

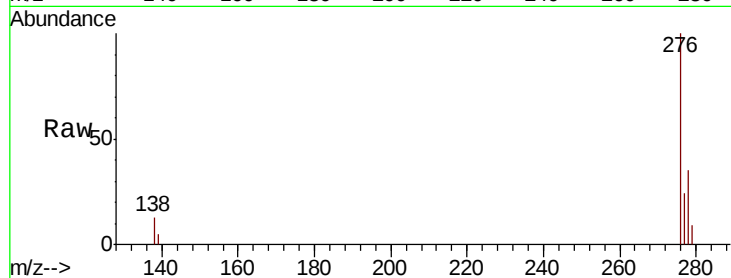
Tot Ion:276 Resp: 52043

Ion Ratio Lower Upper

276 100

138 13.5 12.7 19.1

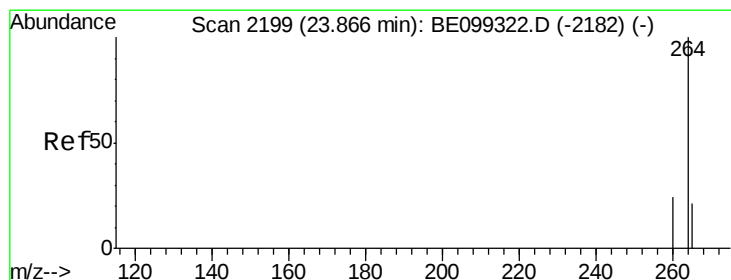
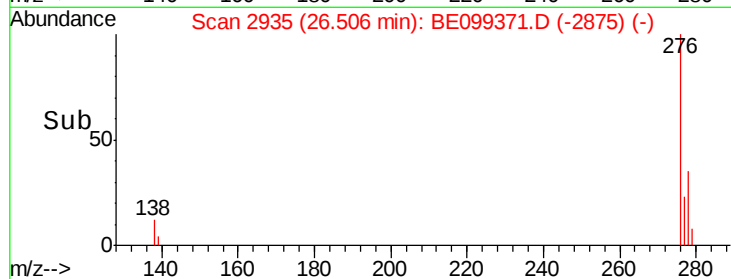
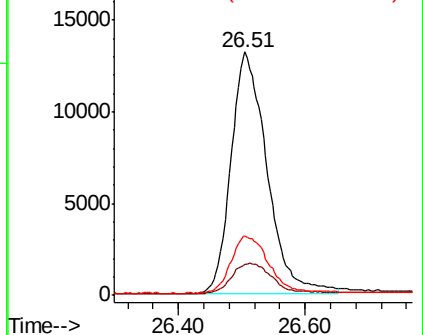
277 24.4 19.6 29.4



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: 23.87 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

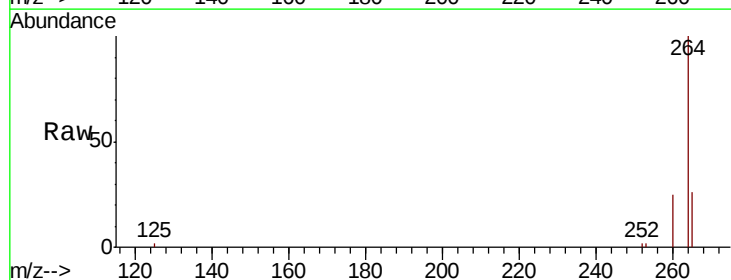
Tgt Ion:264 Resp: 37372

Ion Ratio Lower Upper

264 100

260 25.5 20.1 30.1

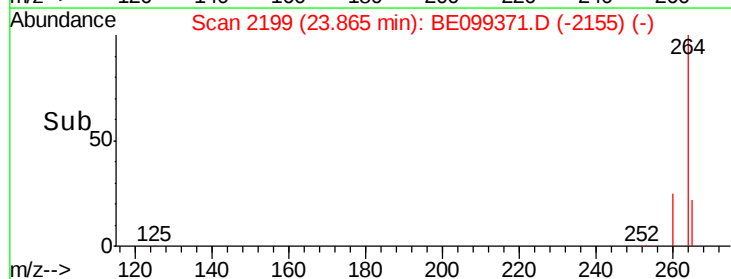
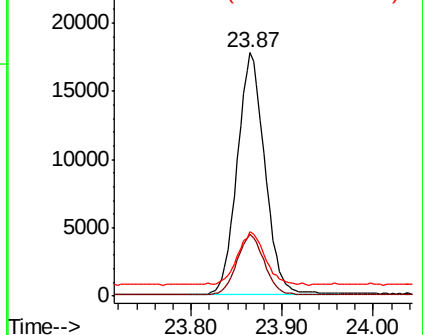
265 26.3 19.9 29.9

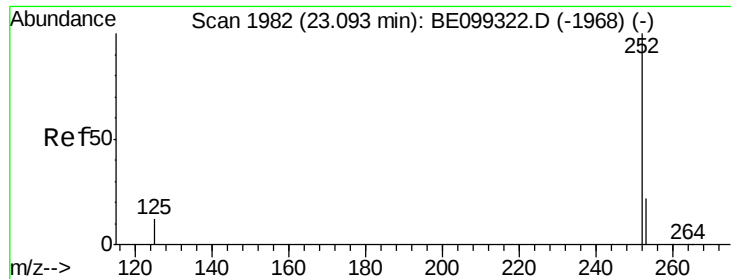


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.393 ng

RT: 23.10 min Scan# 1983

Delta R.T. 0.01 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

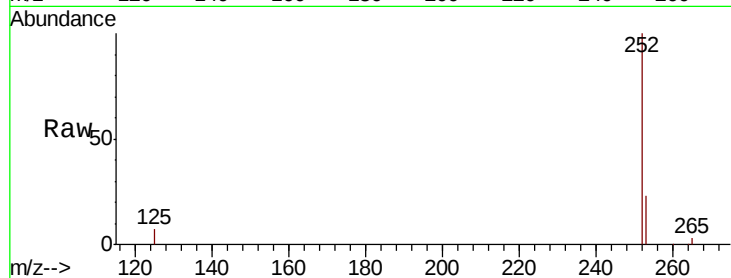
Tot Ion:252 Resp: 44962

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

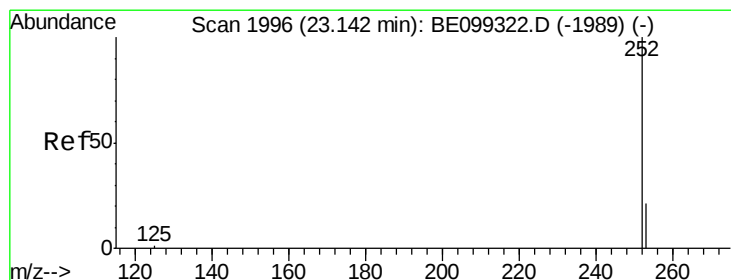
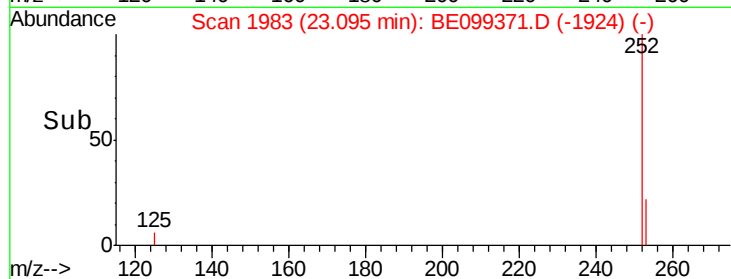
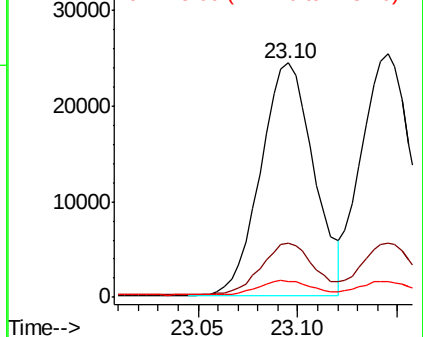
125 7.0 5.8 8.6



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



#36

Benzo(k)fluoranthene

Concen: 0.400 ng

RT: 23.15 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

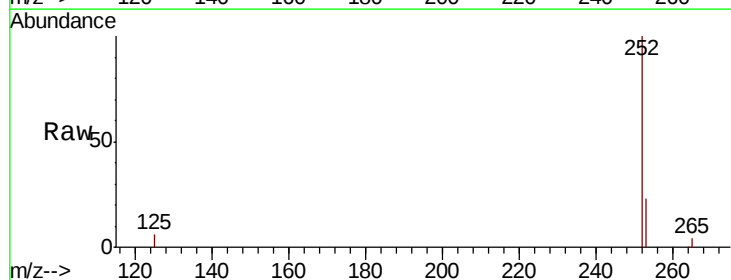
Tgt Ion:252 Resp: 45594

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

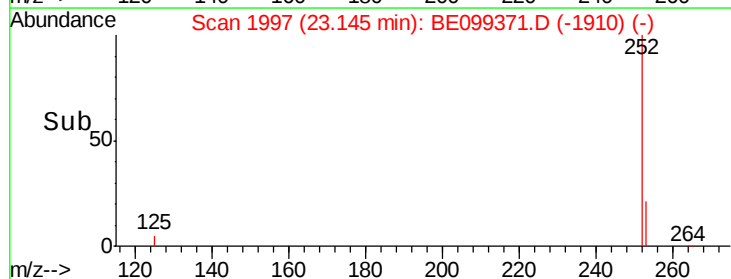
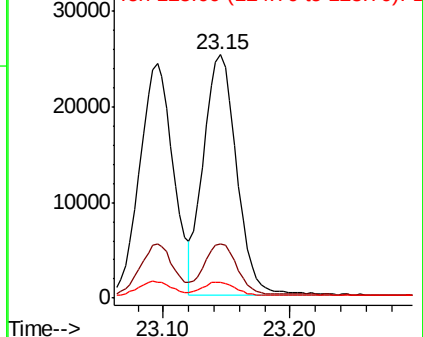
125 6.2 5.4 8.0

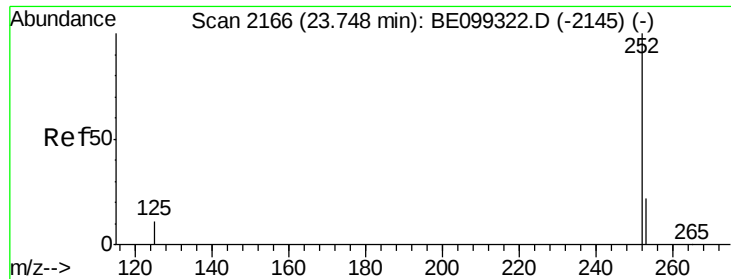


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.423 ng

RT: 23.75 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

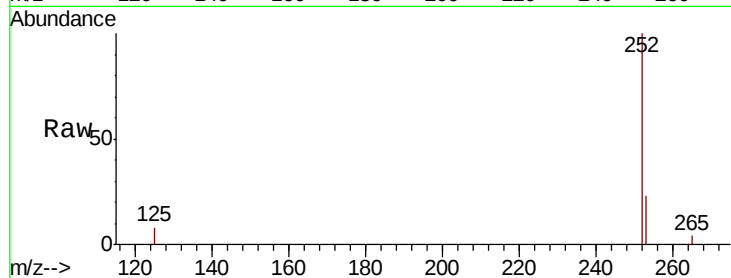
Tot Ion:252 Resp: 43383

Ion Ratio Lower Upper

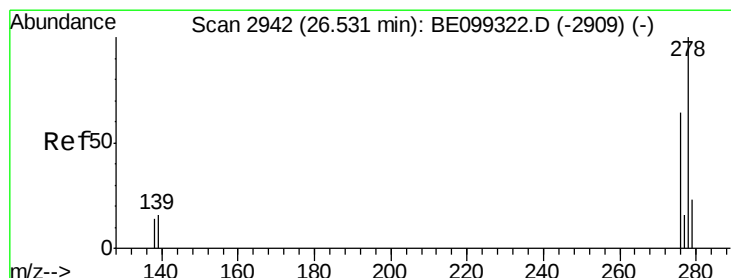
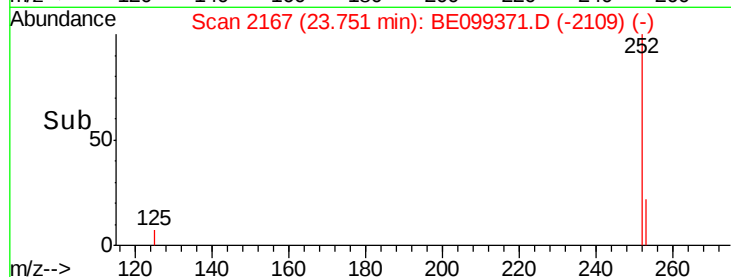
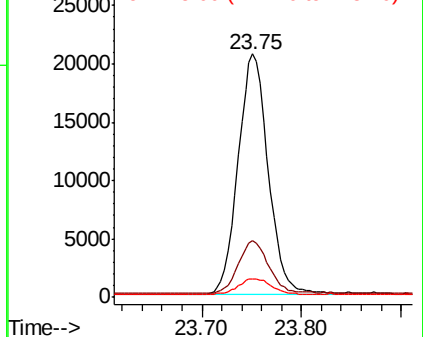
252 100

253 23.4 17.6 26.4

125 7.8 6.5 9.7



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



#38

Dibenzo(a,h)anthracene

Concen: 0.412 ng

RT: 26.54 min Scan# 2944

Delta R.T. 0.02 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

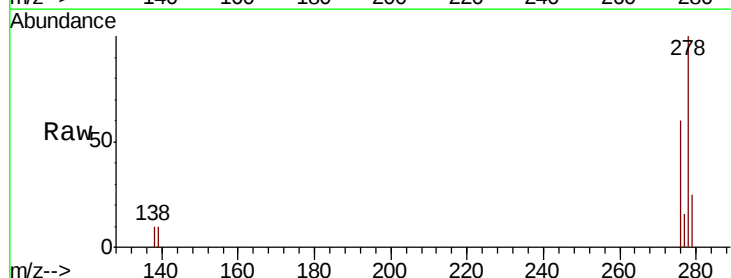
Tgt Ion:278 Resp: 43135

Ion Ratio Lower Upper

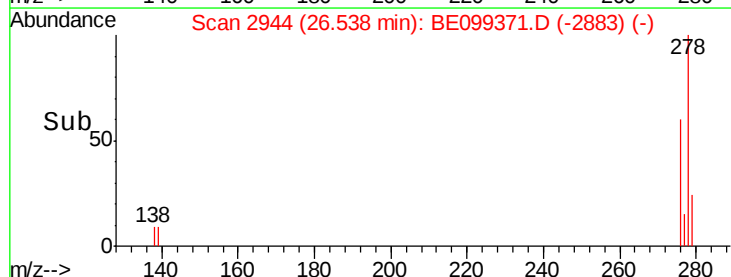
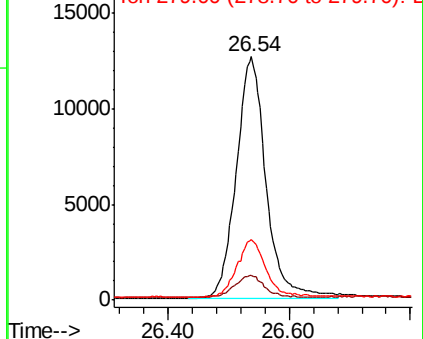
278 100

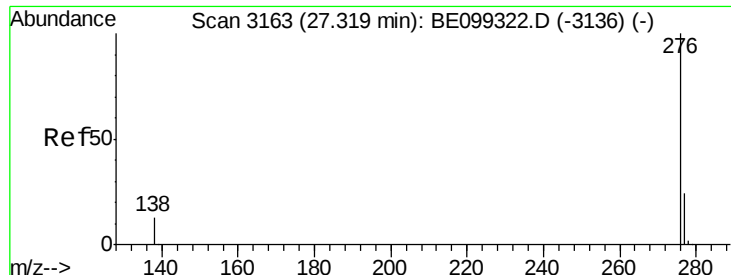
139 10.1 8.5 12.7

279 25.1 19.8 29.8



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: 0.396 ng

RT: 27.32 min Scan# 3163

Delta R.T. 0.01 min

Lab File: BE099371.D

Acq: 26 Apr 2019 10:54

Instrument :

BNA_E

ClientSampleId :

PB119200BS

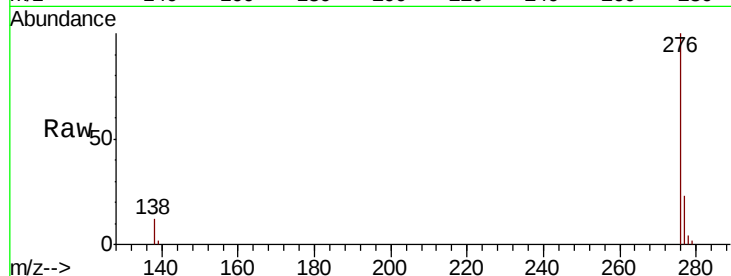
Tot Ion: 276 Resp: 42063

Ion Ratio Lower Upper

276 100

277 23.4 20.0 30.0

138 12.0 11.1 16.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

