

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099215.D
 Acq On : 26 Mar 2019 14:59
 Operator : JU/SJ
 Sample : K2064-02MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 26 16:02:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 07:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3070	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	12878	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	9557	0.40	ng	-0.01
19) Phenanthrene-d10	17.21	188	29785	0.40	ng	0.00
27) Chrysene-d12	21.38	240	35323	0.40	ng	-0.01
34) Perylene-d12	23.89	264	33566	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	1832	0.20	ng	0.00
5) Phenol-d6	6.99	99	1534	0.11	ng	0.00
8) Nitrobenzene-d5	8.99	82	4334	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	13277	0.54	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1773	0.55	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	15776	0.40	ng	0.00
25) Fluoranthene-d10	19.24	212	161276	0.45	ng	0.00
29) Terphenyl-d14	19.83	244	28019	0.36	ng	0.00

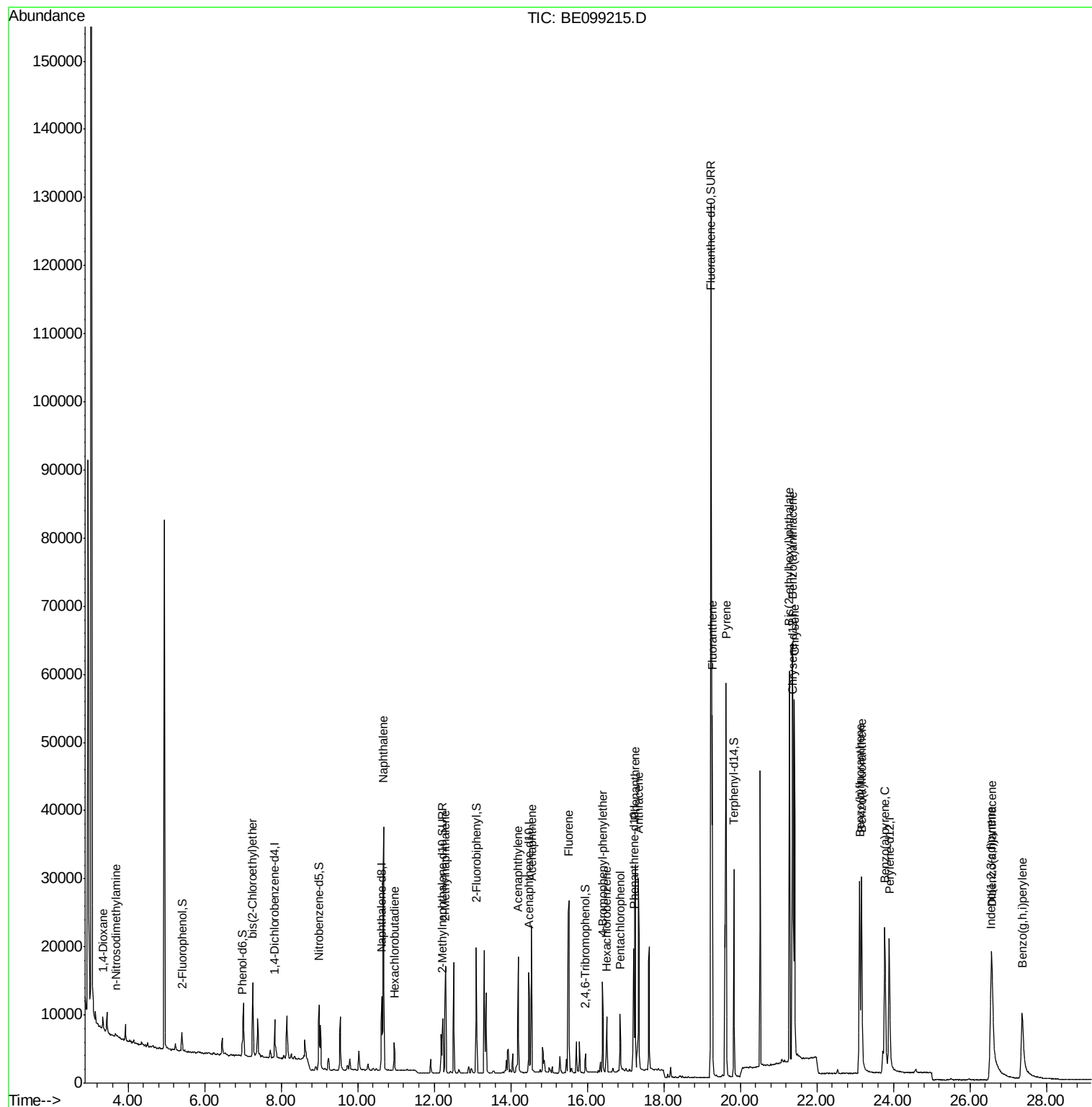
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	1224	0.302	ng	# 36
3) n-Nitrosodimethylamine	3.68	42	403	0.178	ng	# 92
6) bis(2-Chloroethyl)ether	7.25	93	4213	0.383	ng	96
9) Naphthalene	10.68	128	58641	0.386	ng	100
10) Hexachlorobutadiene	10.95	225	2911	0.360	ng	99
12) 2-Methylnaphthalene	12.30	142	10741	0.396	ng	98
16) Acenaphthylene	14.20	152	18546	0.381	ng	99
17) Acenaphthene	14.54	154	11551	0.396	ng	99
18) Fluorene	15.51	166	17264	0.421	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	6704	0.349	ng	# 73
21) Hexachlorobenzene	16.50	284	6510	0.351	ng	98
22) Pentachlorophenol	16.85	266	4716	1.676	ng	91
23) Phenanthrene	17.25	178	35083	0.401	ng	100
24) Anthracene	17.33	178	31412	0.397	ng	99
26) Fluoranthene	19.26	202	46017	0.412	ng	99
28) Pyrene	19.63	202	52705	0.449	ng	100
30) Benzo(a)anthracene	21.37	228	47472	0.407	ng	98
31) Chrysene	21.41	228	48411	0.389	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	78366	0.564	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	17041	0.145	ng	# 40
35) Benzo(b)fluoranthene	23.12	252	41471	0.375	ng	98
36) Benzo(k)fluoranthene	23.17	252	47847	0.410	ng	99
37) Benzo(a)pyrene	23.78	252	42193	0.409	ng	100
38) Dibenzo(a,h)anthracene	26.57	278	34950	0.381	ng	98
39) Benzo(g,h,i)perylene	27.37	276	33089	0.360	ng	99

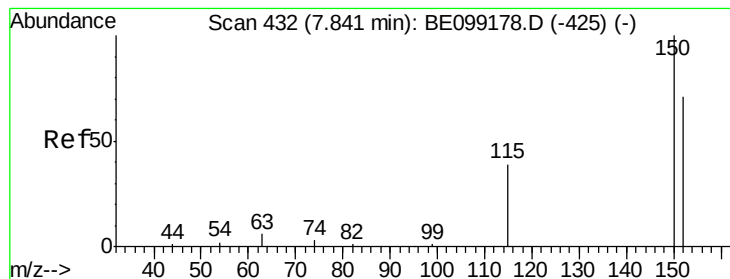
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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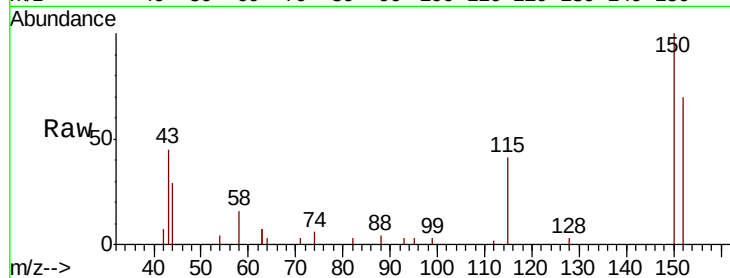


#1

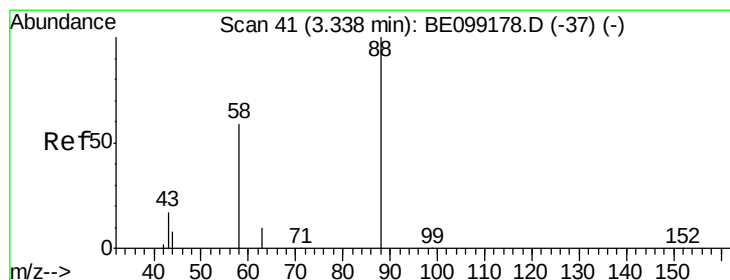
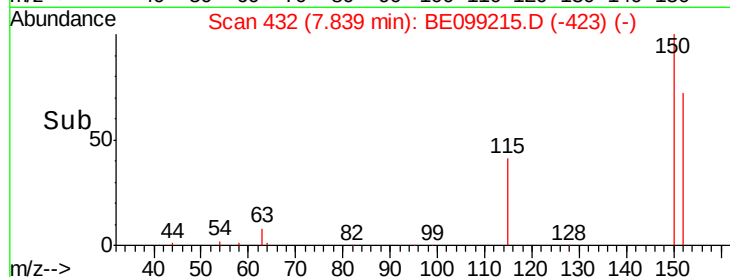
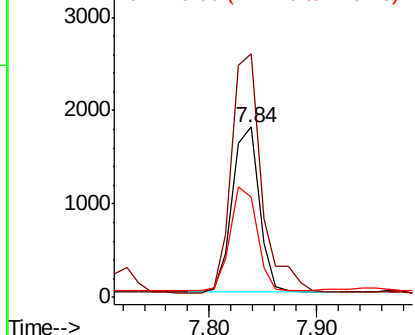
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099215.D
Acq: 26 Mar 2019 14:59

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3070
Ion Ratio Lower Upper
152 100
150 142.9 112.8 169.2
115 59.2 45.1 67.7



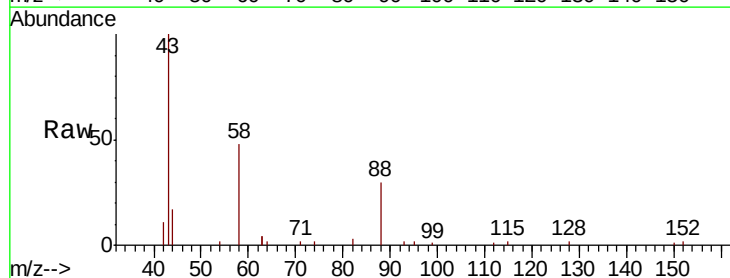
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



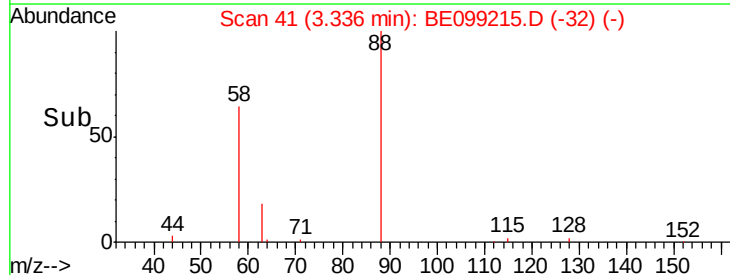
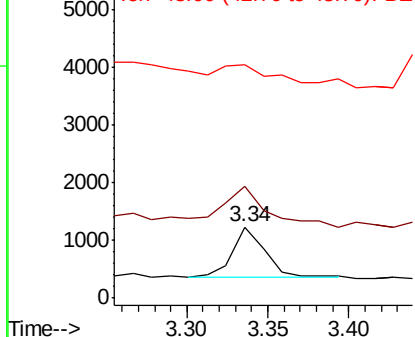
#2

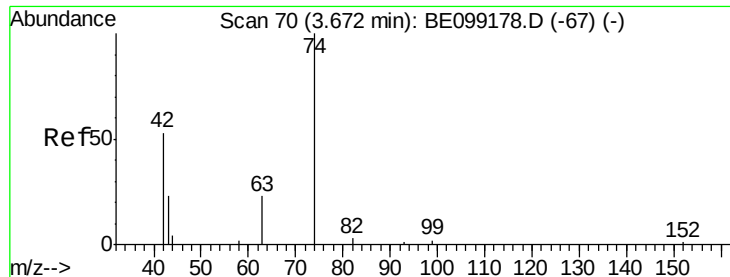
1,4-Dioxane
Concen: 0.302 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.00 min
Lab File: BE099215.D
Acq: 26 Mar 2019 14:59

Tgt Ion: 88 Resp: 1224
Ion Ratio Lower Upper
88 100
58 109.0 47.4 71.0#
43 45.6 15.6 23.4#



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: 0.178 ng

RT: 3.68 min Scan# 71

Delta R.T. 0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

ClientSampled :

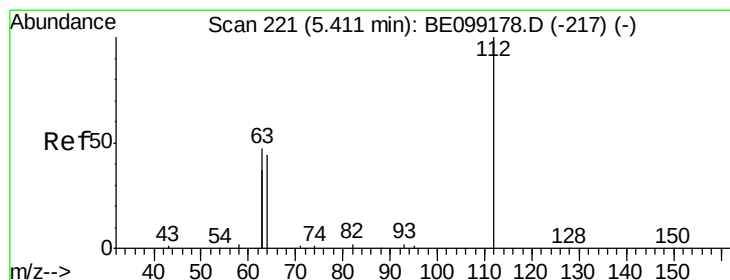
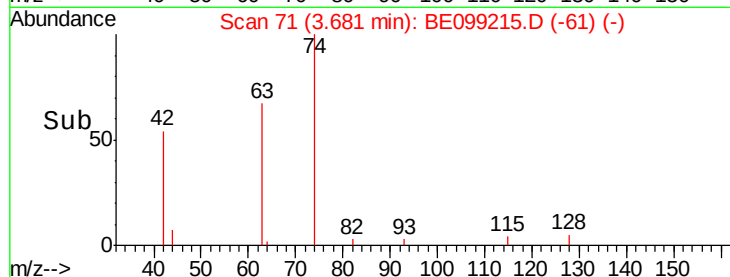
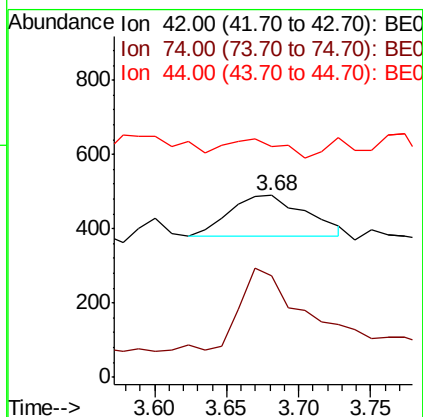
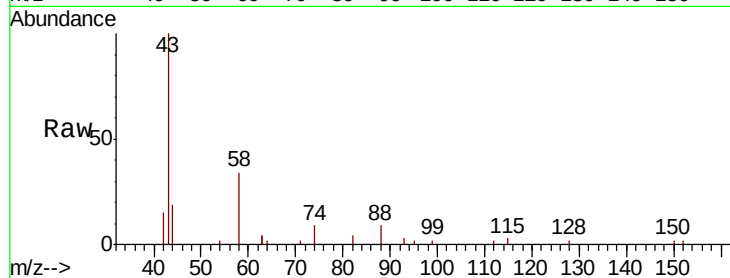
Tot Ion: 42 Resp: 403

Ion Ratio Lower Upper

42 100

74 166.0 138.6 207.8

44 34.0 15.0 22.6#



#4

2-Fluorophenol

Concen: 0.200 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

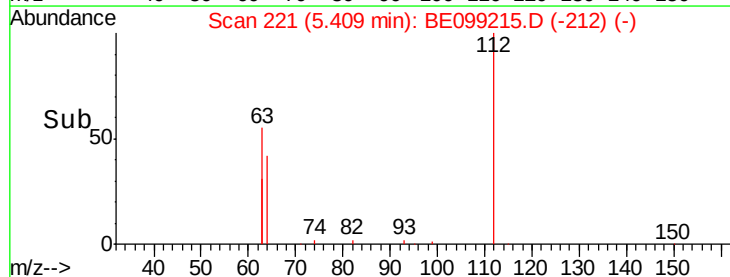
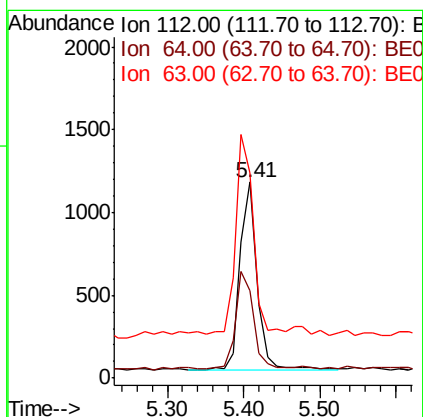
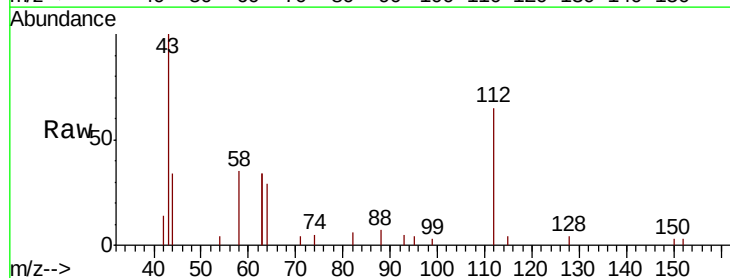
Tgt Ion: 112 Resp: 1832

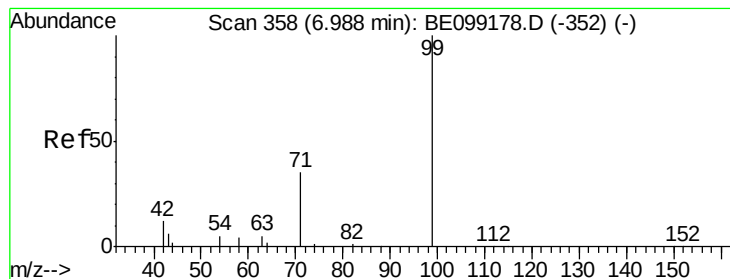
Ion Ratio Lower Upper

112 100

64 52.9 46.2 69.2

63 105.8 89.9 134.9





#5

Phenol-d6

Concen: 0.110 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

ClientSampled :

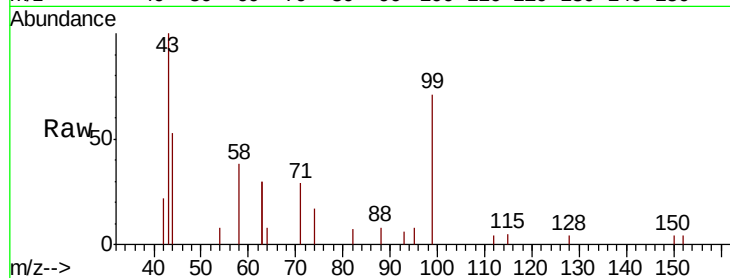
Tot Ion: 99 Resp: 1534

Ion Ratio Lower Upper

99 100

42 27.2 12.4 18.6#

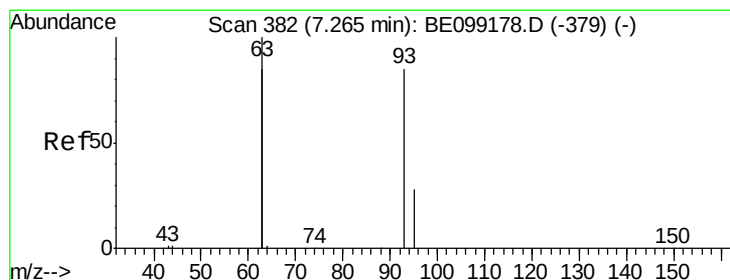
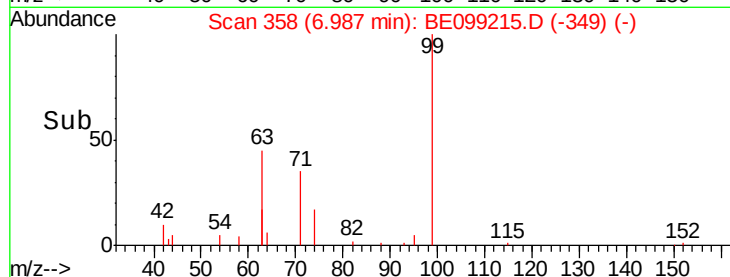
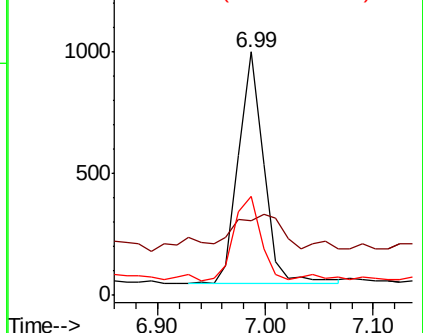
71 38.9 28.4 42.6



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: 0.383 ng

RT: 7.25 min Scan# 381

Delta R.T. -0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

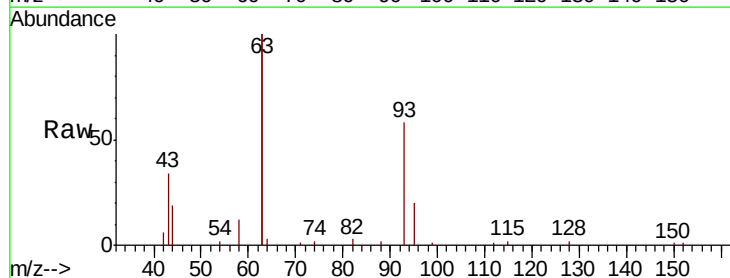
Tgt Ion: 93 Resp: 4213

Ion Ratio Lower Upper

93 100

63 284.2 221.4 332.0

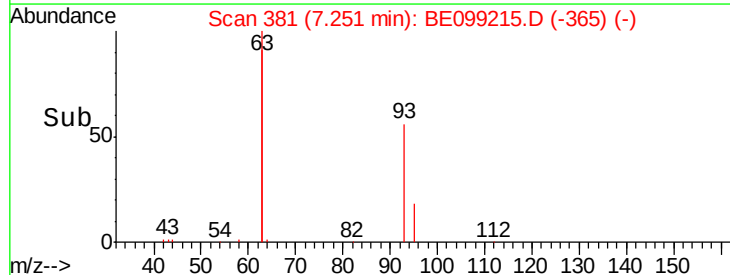
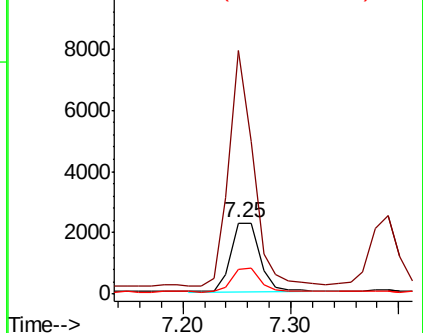
95 33.3 25.8 38.8

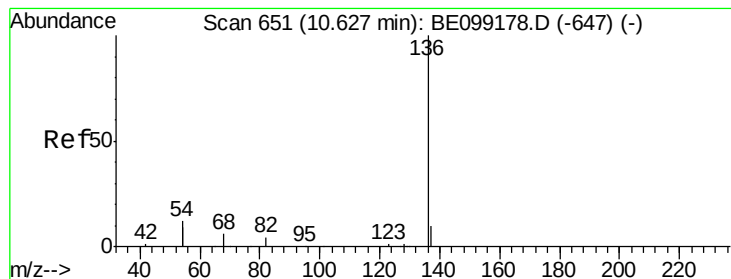


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 12878

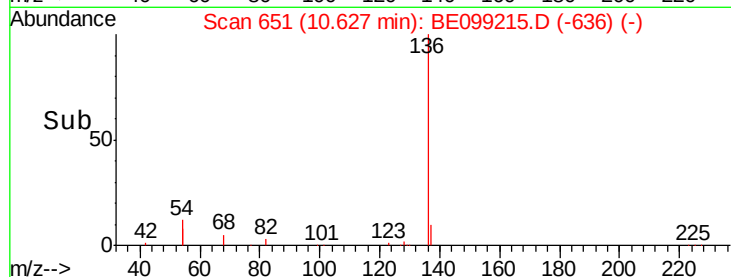
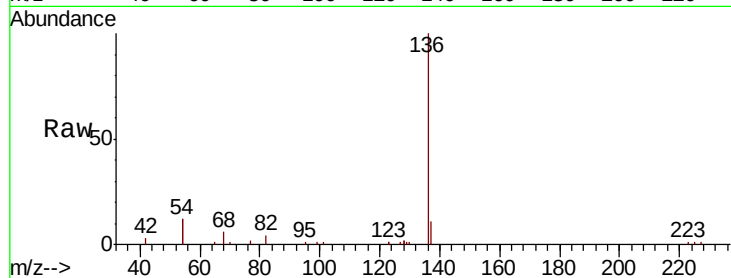
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 23.8 18.7 28.1

68 6.0 5.2 7.8

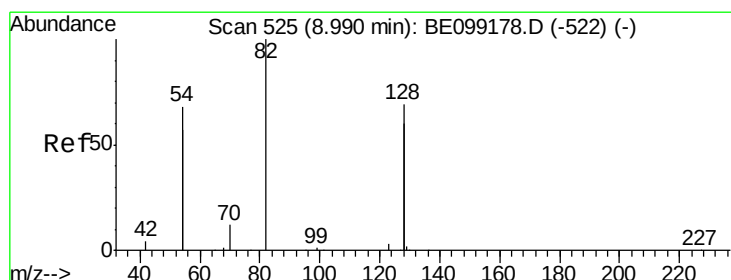
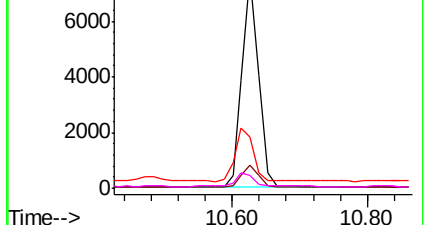


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.412 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

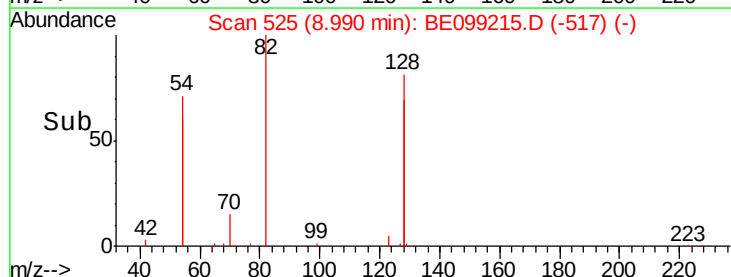
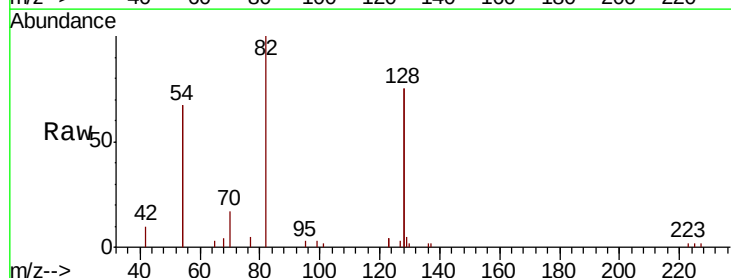
Tgt Ion: 82 Resp: 4334

Ion Ratio Lower Upper

82 100

128 151.0 107.5 161.3

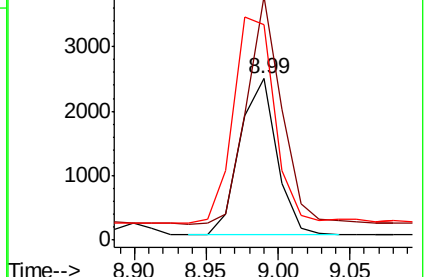
54 133.6 106.3 159.5

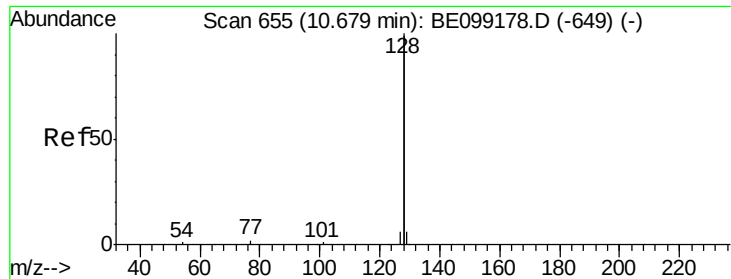


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.386 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

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BNA_E

ClientSampleId :

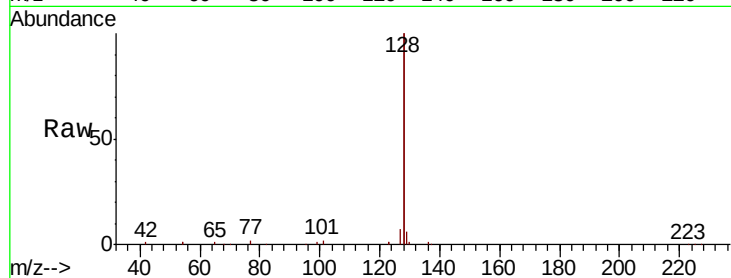
Tot Ion:128 Resp: 58641

Ion Ratio Lower Upper

128 100

129 3.0 2.3 3.5

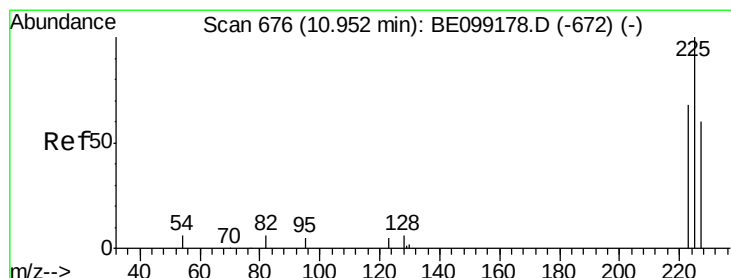
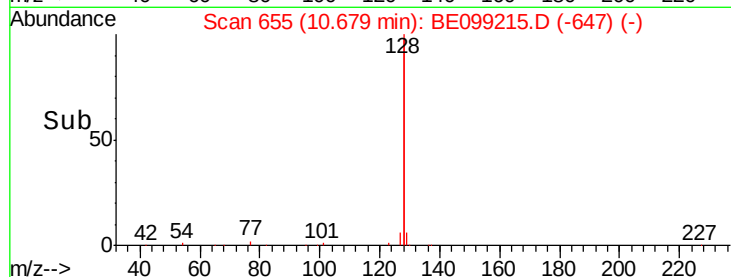
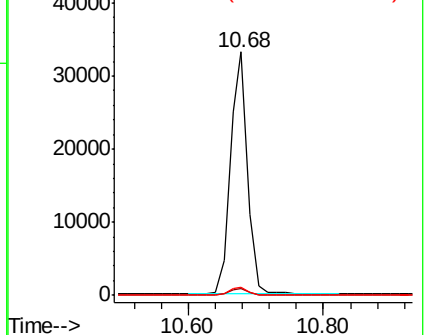
127 3.3 2.6 3.8



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: 0.360 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

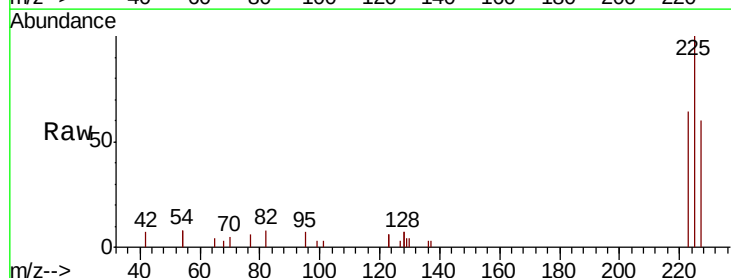
Tgt Ion:225 Resp: 2911

Ion Ratio Lower Upper

225 100

223 63.1 51.3 76.9

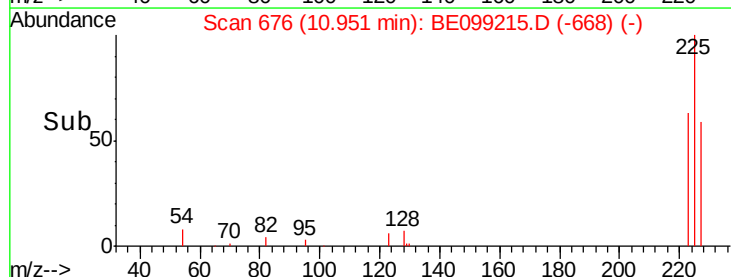
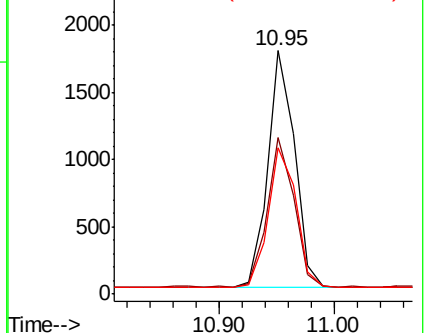
227 61.4 48.6 73.0

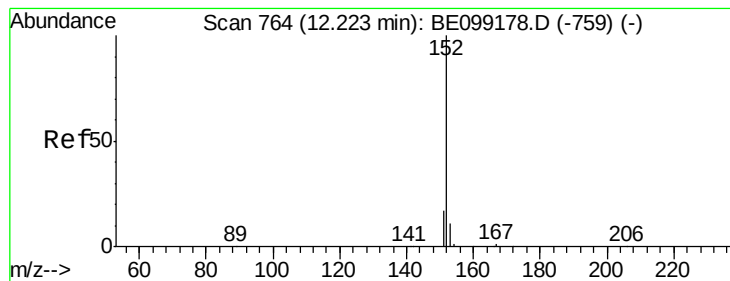


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.535 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

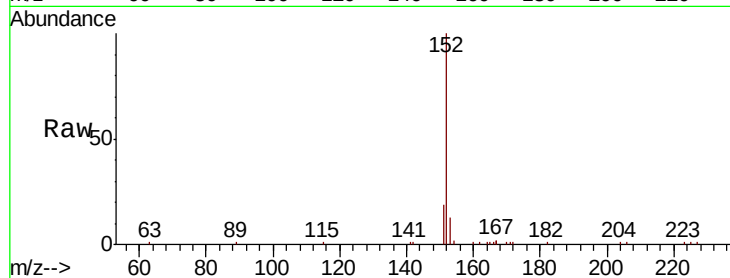
ClientSampleId :

Tot Ion:152 Resp: 13277

Ion Ratio Lower Upper

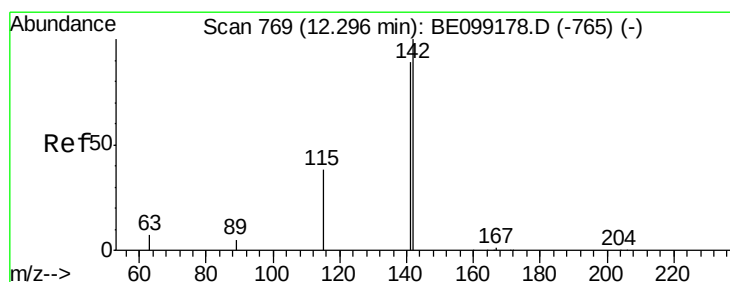
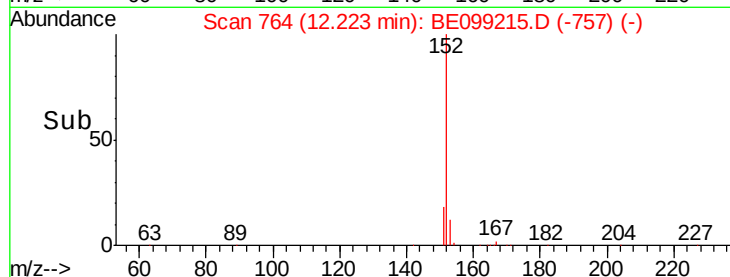
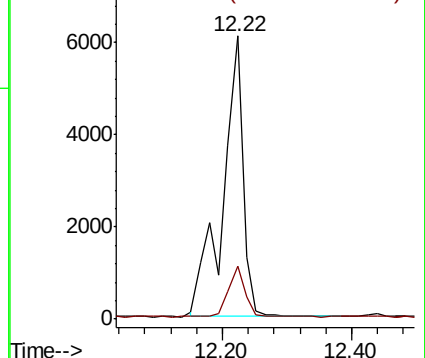
152 100

151 14.6 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.396 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

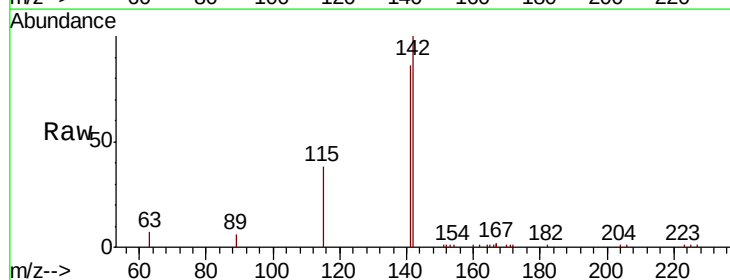
Tgt Ion:142 Resp: 10741

Ion Ratio Lower Upper

142 100

141 86.1 71.3 106.9

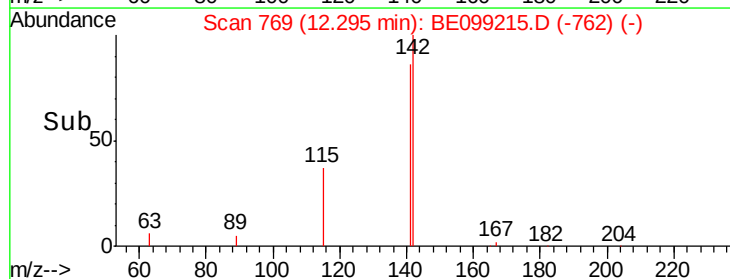
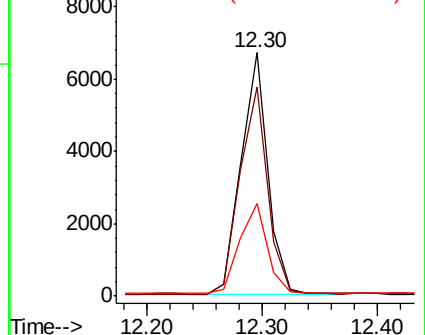
115 38.1 30.4 45.6

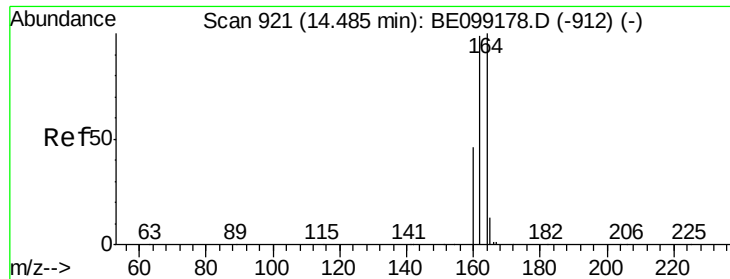


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

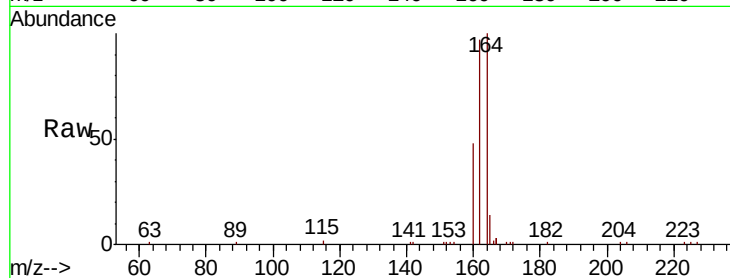




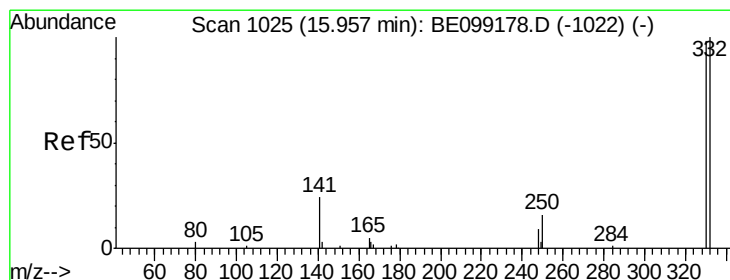
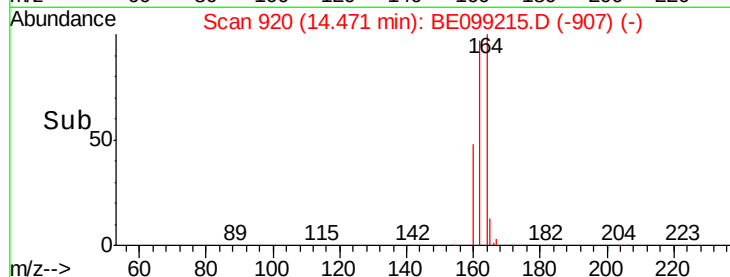
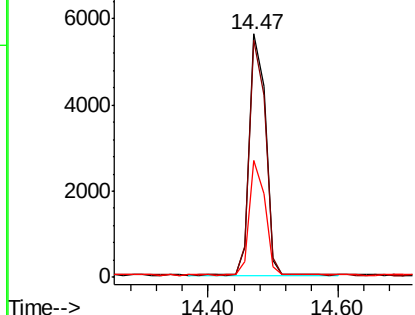
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: BE099215.D
 Acq: 26 Mar 2019 14:59

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 9557
 Ion Ratio Lower Upper
 164 100
 162 97.4 79.2 118.8
 160 48.1 36.7 55.1

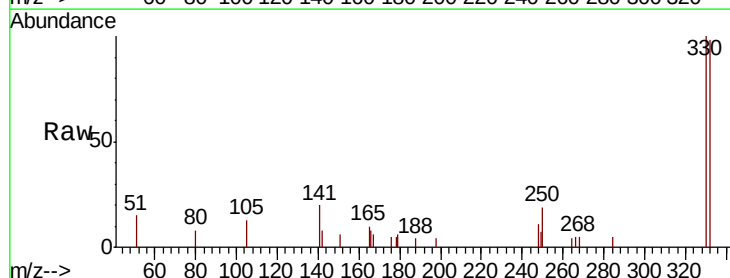


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

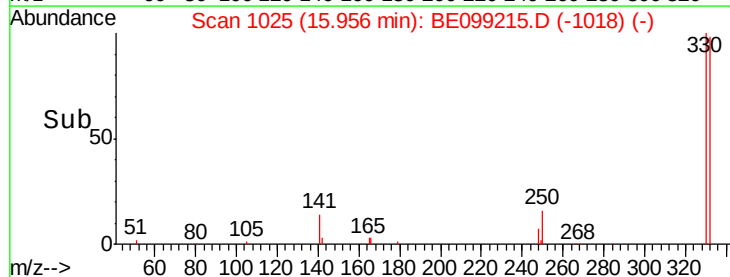
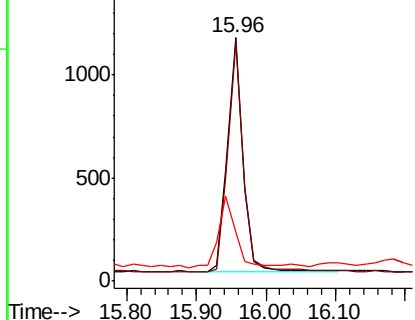


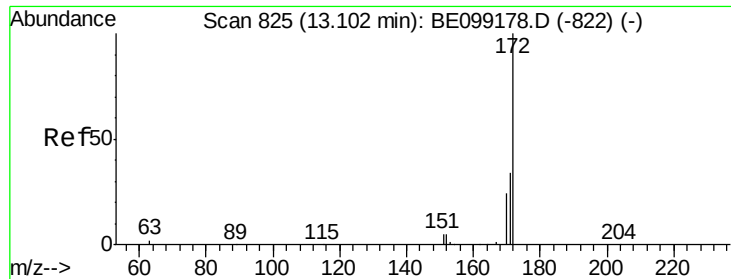
#14
 2,4,6-Tribromophenol
 Concen: 0.554 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099215.D
 Acq: 26 Mar 2019 14:59

Tgt Ion:330 Resp: 1773
 Ion Ratio Lower Upper
 330 100
 332 98.9 71.3 106.9
 141 33.9 21.7 32.5#



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

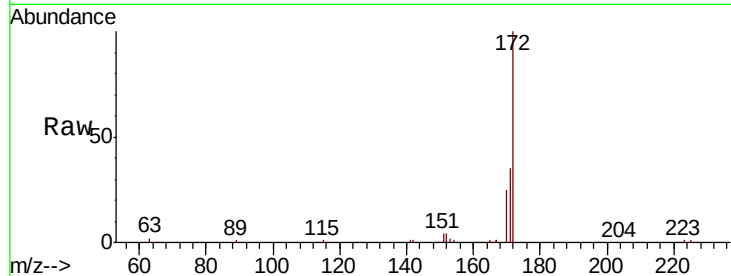




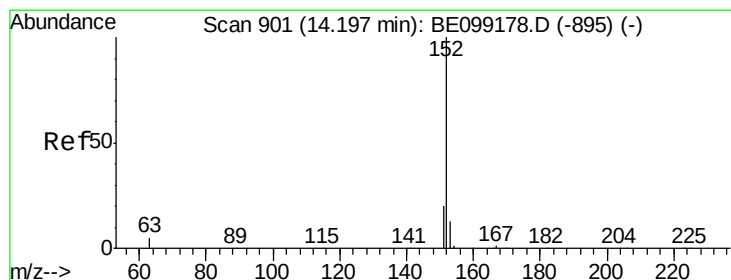
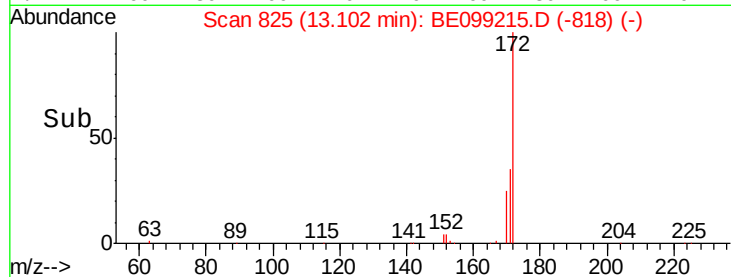
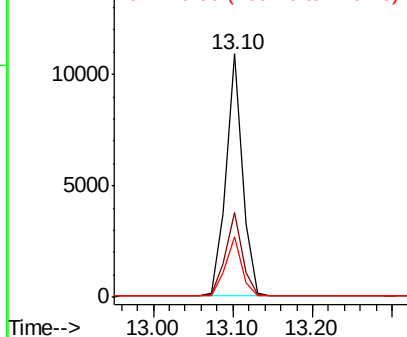
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099215.D
Acq: 26 Mar 2019 14:59

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 15776
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 25.0 19.1 28.7

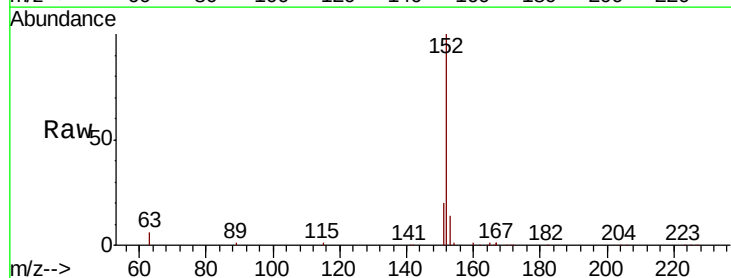


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

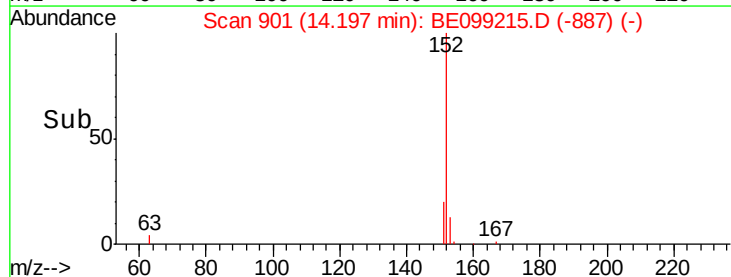
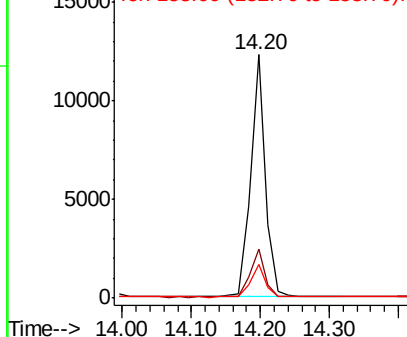


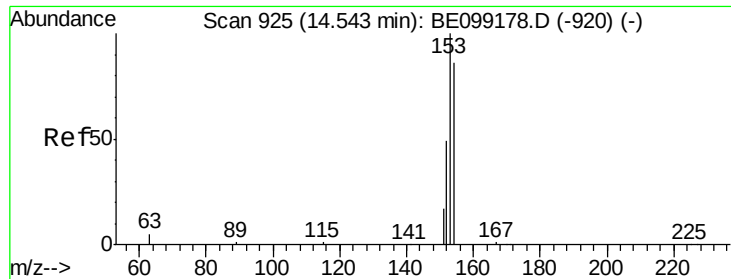
#16
Acenaphthylene
Concen: 0.381 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE099215.D
Acq: 26 Mar 2019 14:59

Tgt Ion:152 Resp: 18546
Ion Ratio Lower Upper
152 100
151 20.2 15.7 23.5
153 13.5 10.6 15.8



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: 0.396 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

ClientSampled :

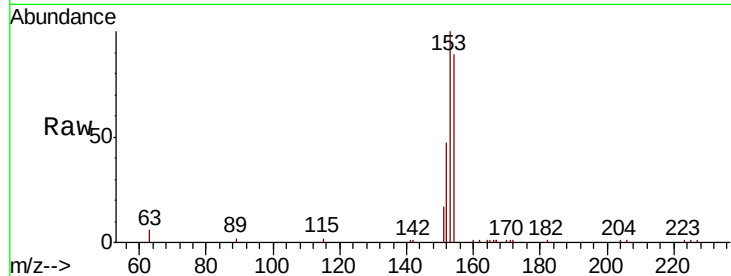
Tot Ion:154 Resp: 11551

Ion Ratio Lower Upper

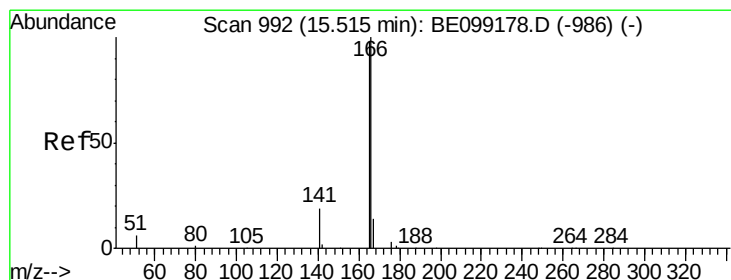
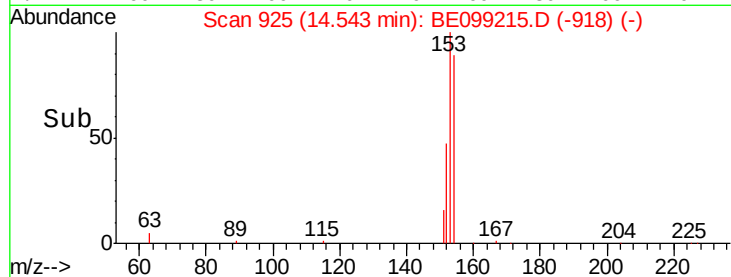
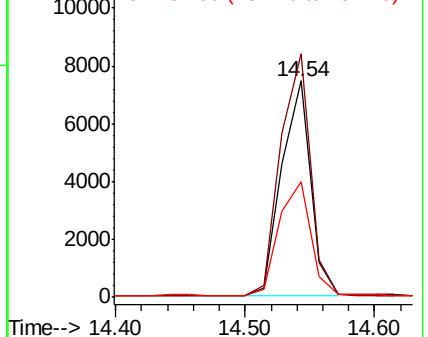
154 100

153 117.2 93.4 140.0

152 57.7 46.6 69.8



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: 0.421 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

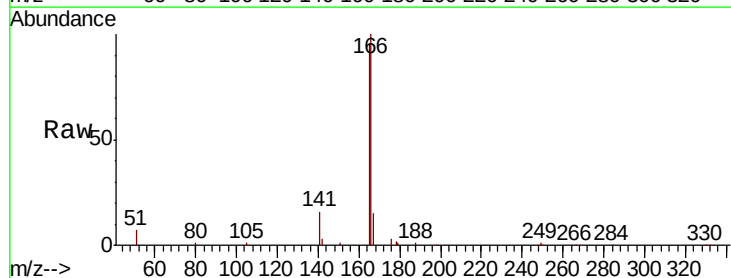
Tgt Ion:166 Resp: 17264

Ion Ratio Lower Upper

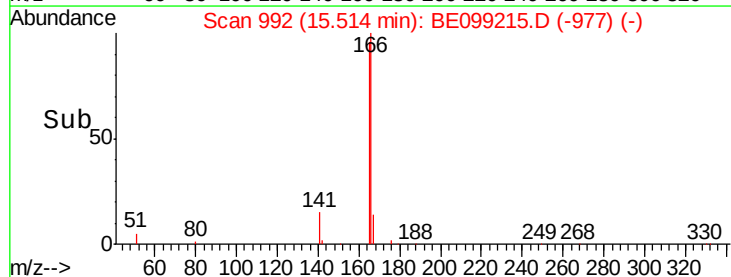
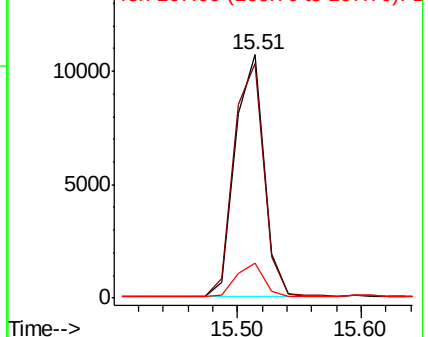
166 100

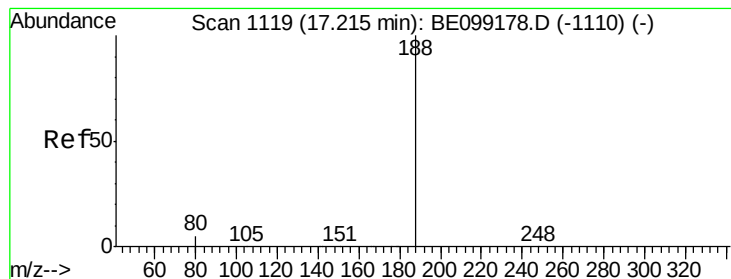
165 100.2 78.9 118.3

167 13.5 10.9 16.3



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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

ClientSampleId :

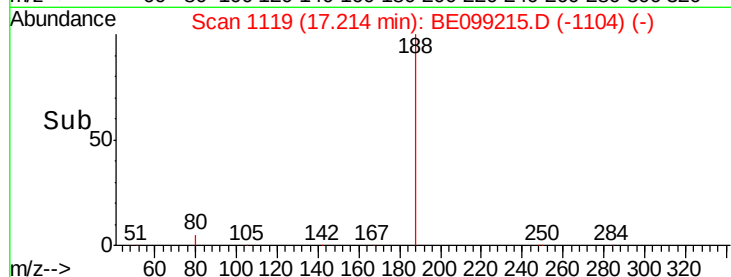
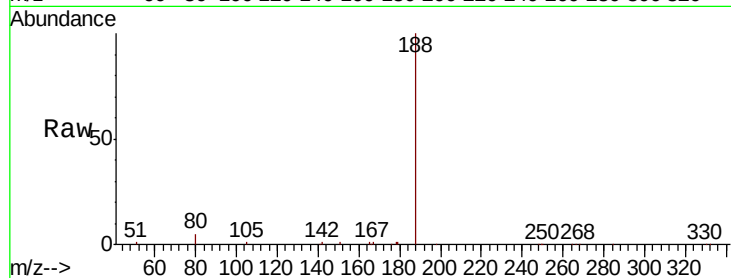
Tot Ion:188 Resp: 29785

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

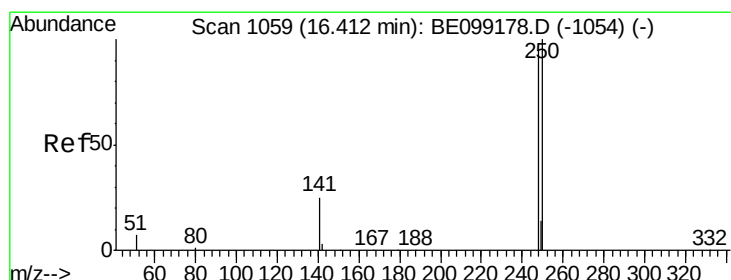
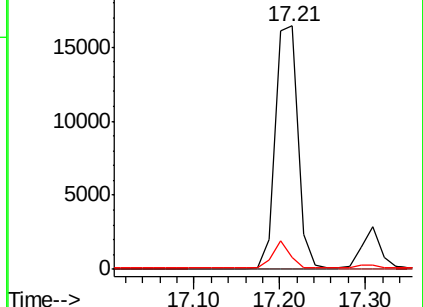
80 5.1 4.5 6.7



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: 0.349 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

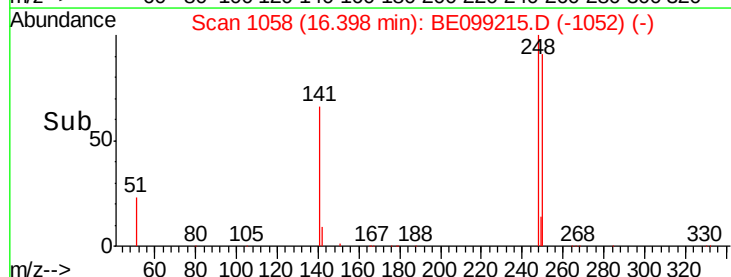
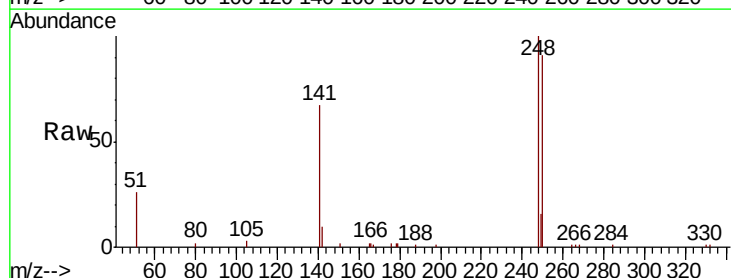
Tgt Ion:248 Resp: 6704

Ion Ratio Lower Upper

248 100

250 90.6 84.2 126.2

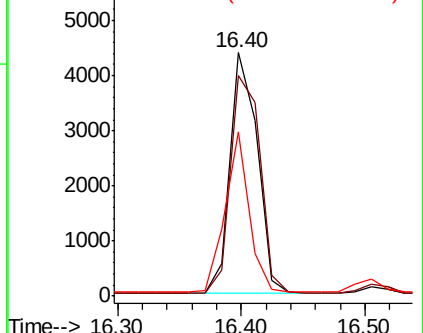
141 67.4 21.8 32.6#

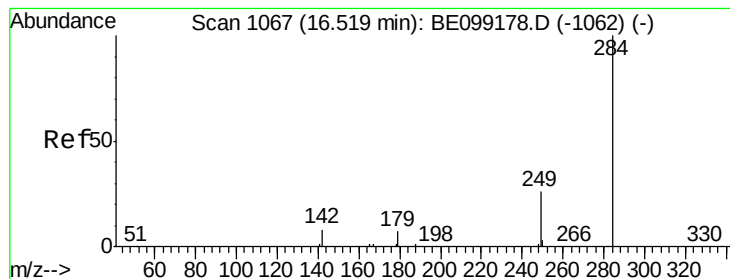


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.351 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

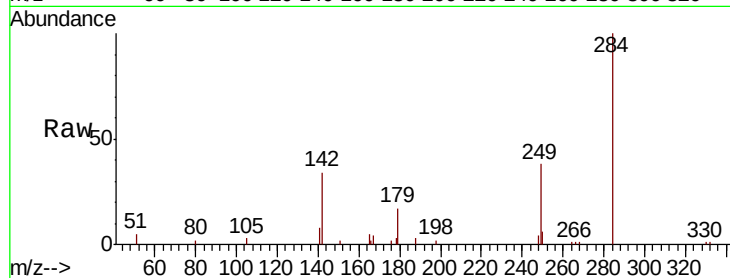
Instrument :

BNA_E

ClientSampleId :

Tot Ion:284 Resp: 6510

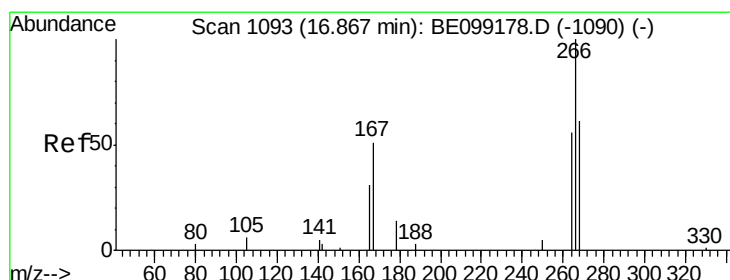
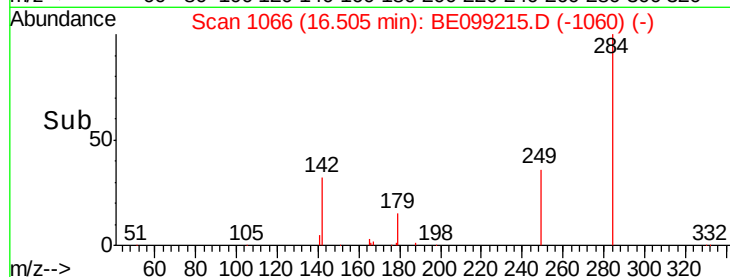
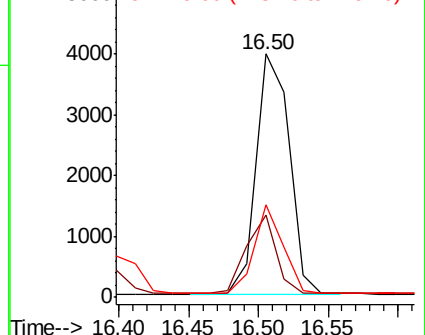
Ion	Ratio	Lower	Upper
284	100		
142	29.1	22.7	34.1
249	32.5	26.9	40.3



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: 1.676 ng

RT: 16.85 min Scan# 1092

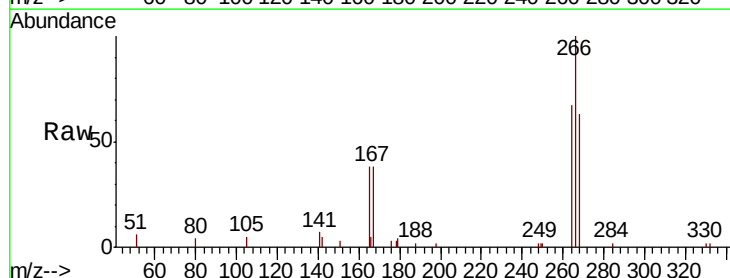
Delta R.T. -0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Tgt Ion:266 Resp: 4716

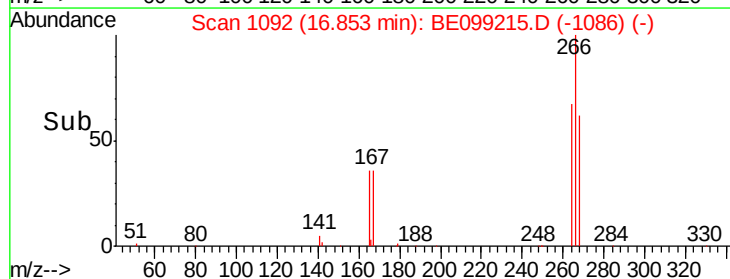
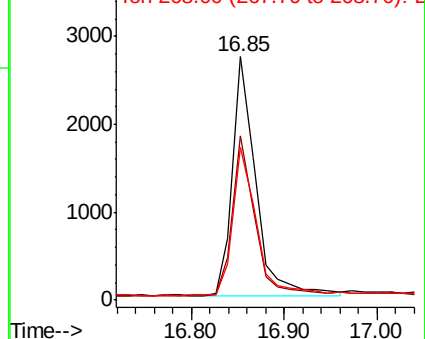
Ion	Ratio	Lower	Upper
266	100		
264	67.4	54.4	81.6
268	62.9	61.3	91.9

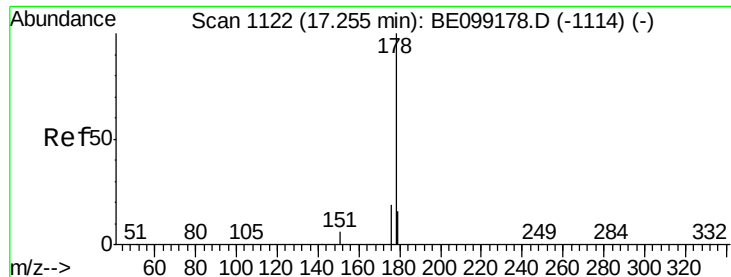


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

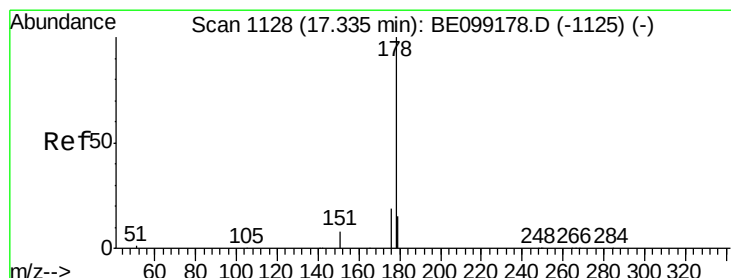
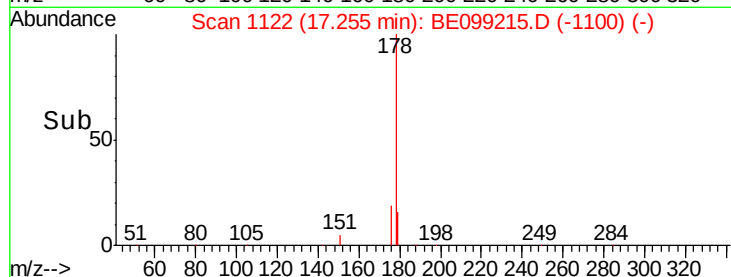
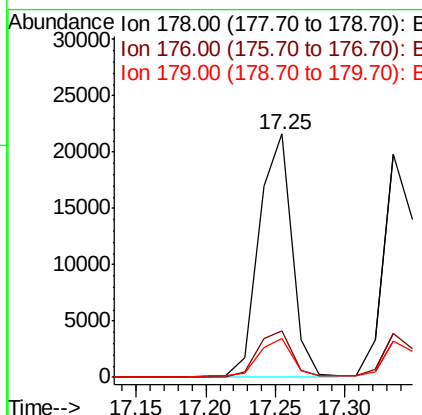
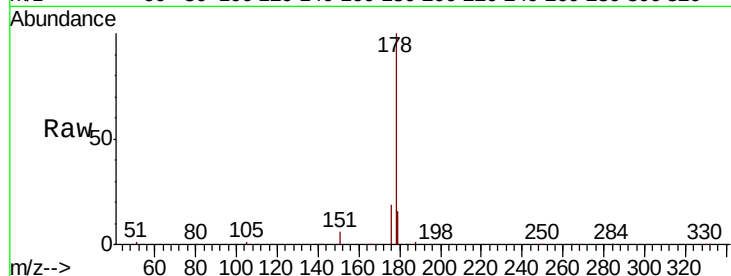




#23
Phenanthrene
Concen: 0.401 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE099215.D
Acq: 26 Mar 2019 14:59

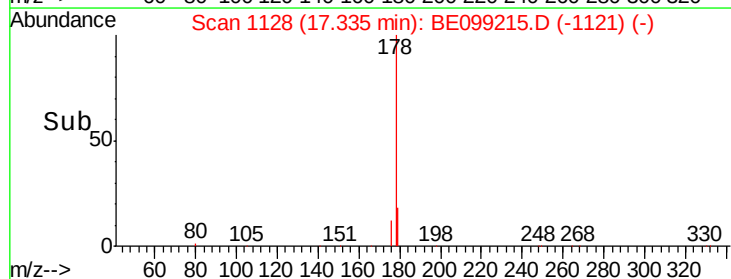
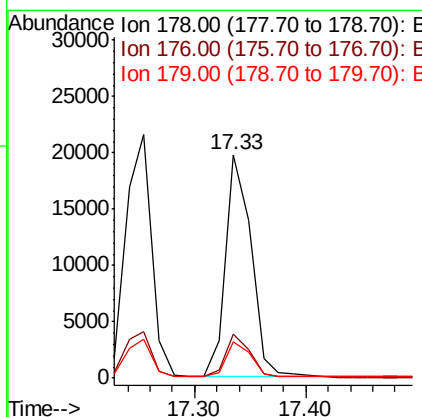
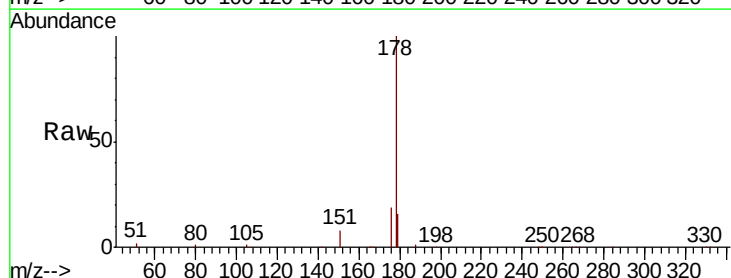
Instrument :
BNA_E
ClientSampled :

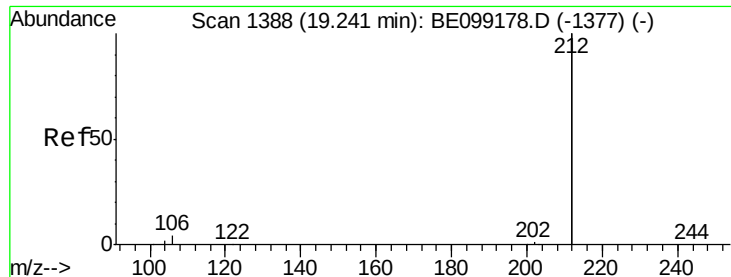
Tot Ion:178 Resp: 35083
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.7 12.3 18.5



#24
Anthracene
Concen: 0.397 ng
RT: 17.33 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BE099215.D
Acq: 26 Mar 2019 14:59

Tgt Ion:178 Resp: 31412
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.8 12.4 18.6





#25

Fluoranthene-d10

Concen: 0.447 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

ClientSampleId :

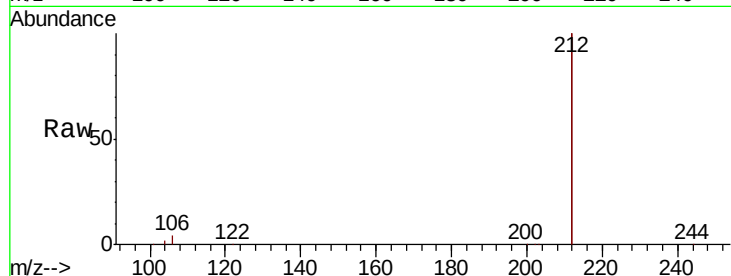
Tot Ion:212 Resp: 161276

Ion Ratio Lower Upper

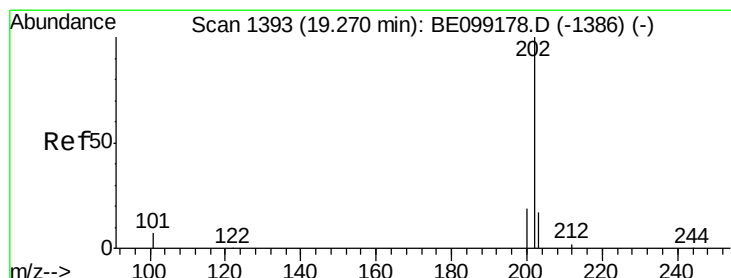
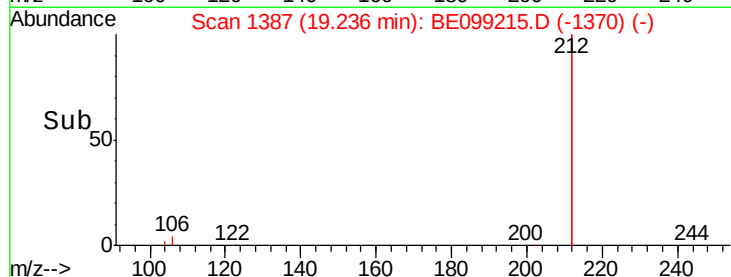
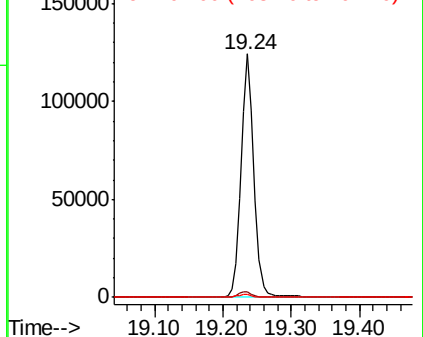
212 100

106 2.4 1.8 2.8

104 1.3 1.1 1.7



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: 0.412 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

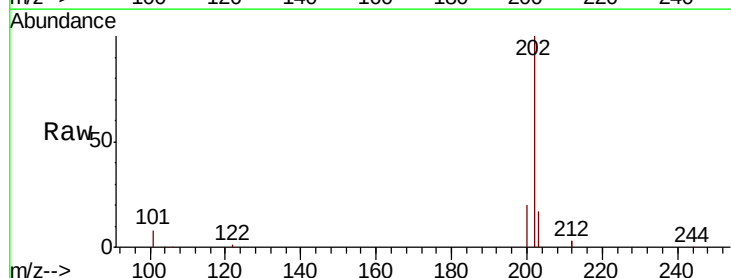
Tgt Ion:202 Resp: 46017

Ion Ratio Lower Upper

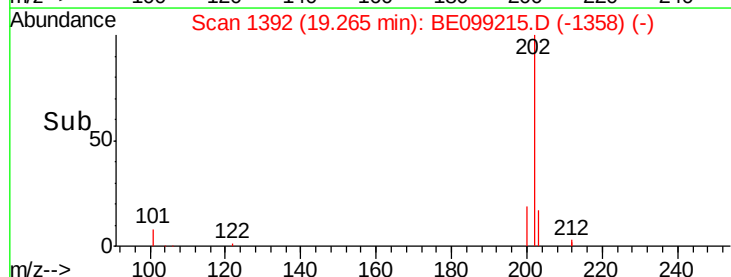
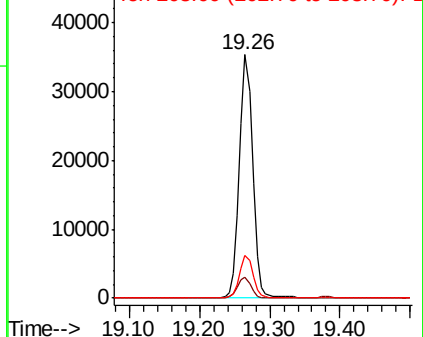
202 100

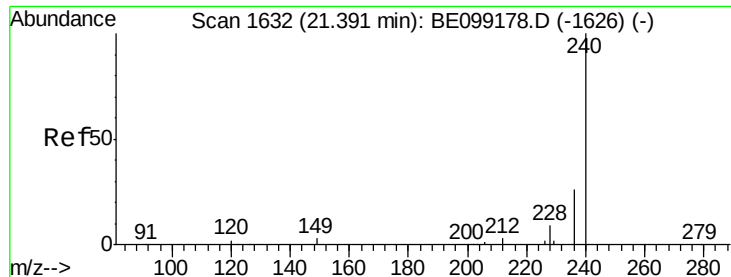
101 8.3 7.0 10.4

203 16.8 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

ClientSampleId :

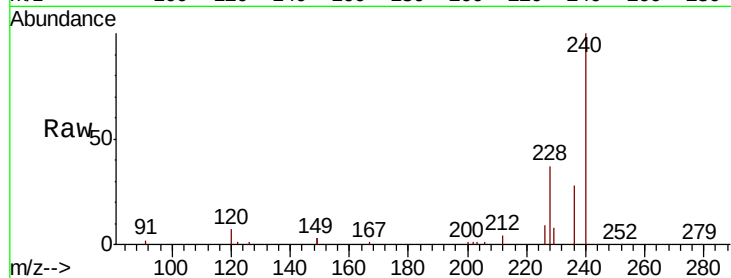
Tot Ion:240 Resp: 35323

Ion Ratio Lower Upper

240 100

120 6.8 2.6 3.8#

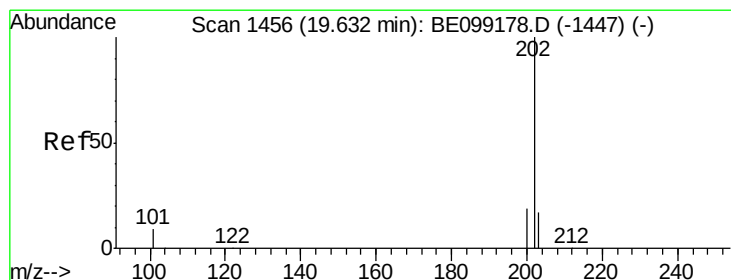
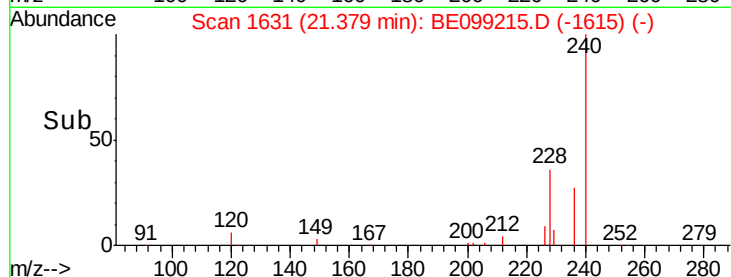
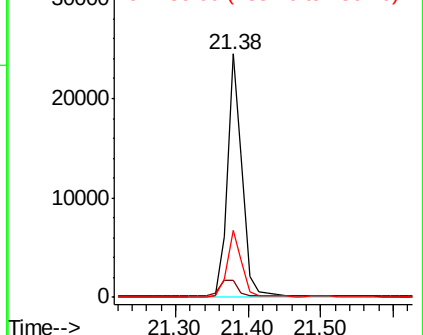
236 27.7 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.449 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

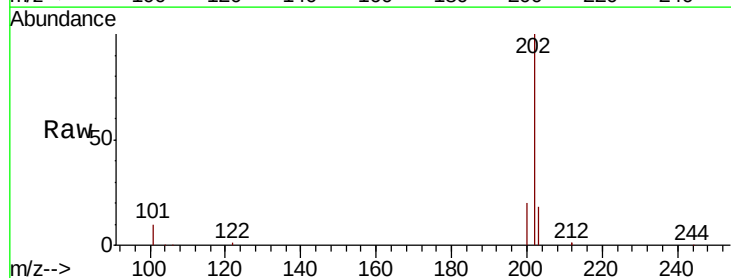
Tgt Ion:202 Resp: 52705

Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.8

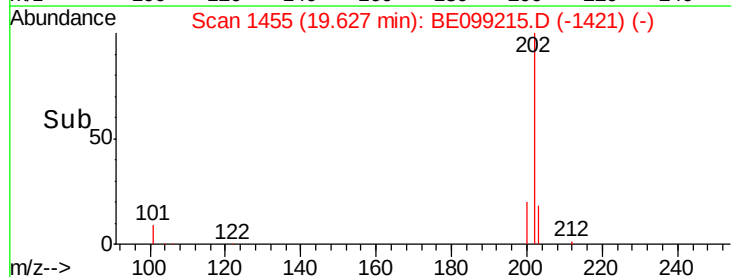
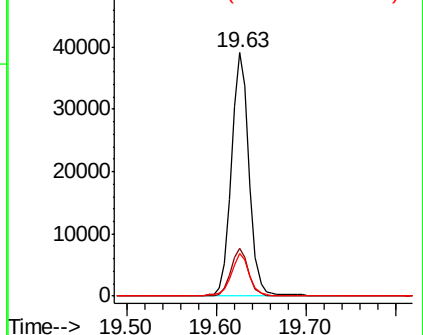
203 17.7 14.1 21.1

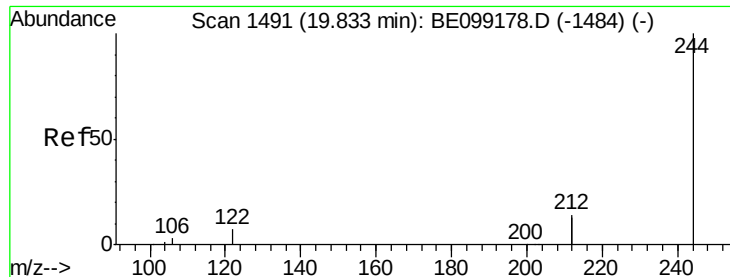


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.365 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

ClientSampleId :

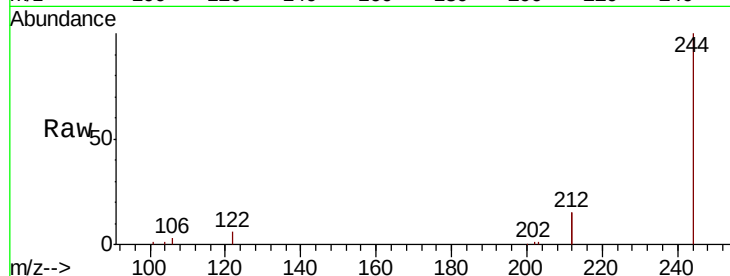
Tot Ion:244 Resp: 28019

Ion Ratio Lower Upper

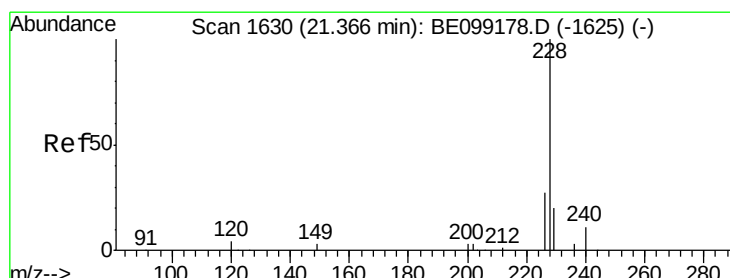
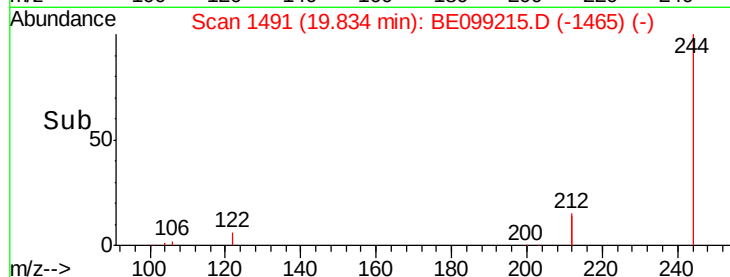
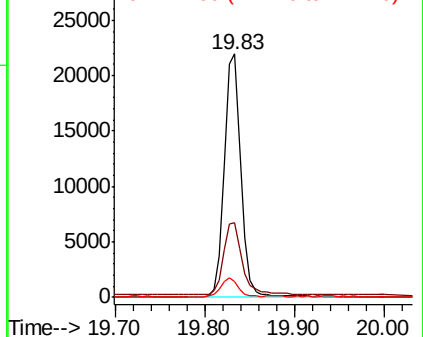
244 100

212 30.5 22.7 34.1

122 6.3 5.8 8.6



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.407 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

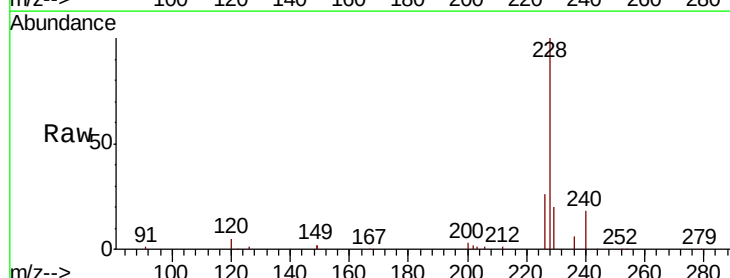
Tgt Ion:228 Resp: 47472

Ion Ratio Lower Upper

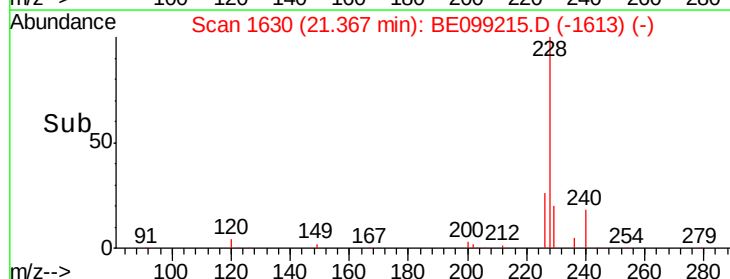
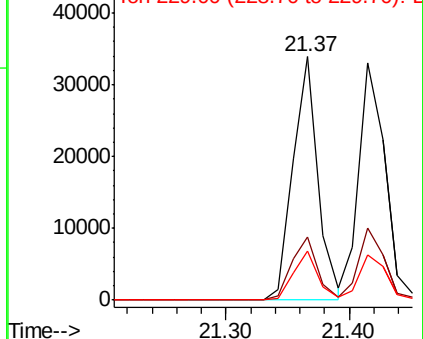
228 100

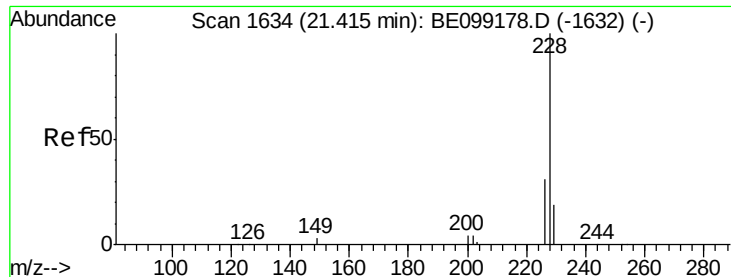
226 25.8 21.7 32.5

229 20.0 15.9 23.9



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: 0.389 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

ClientSampleId :

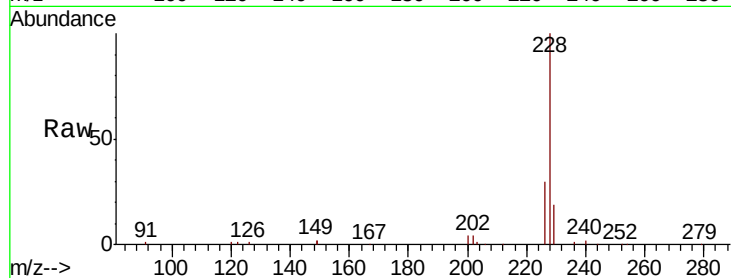
Tot Ion:228 Resp: 48411

Ion Ratio Lower Upper

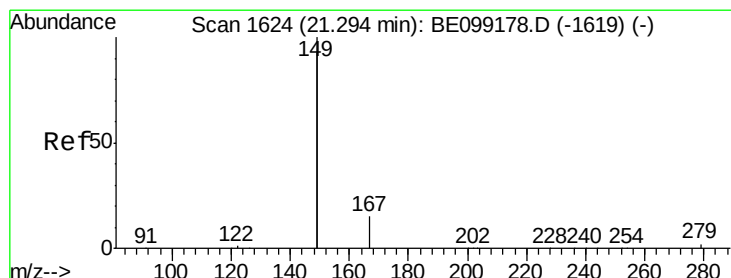
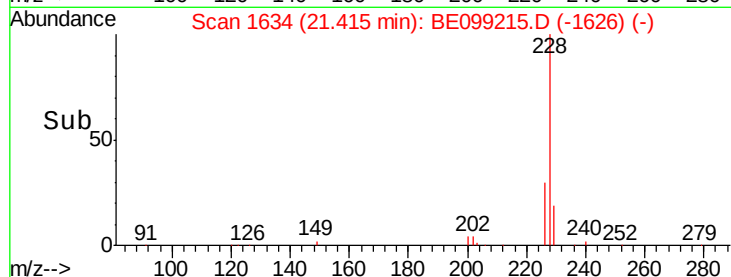
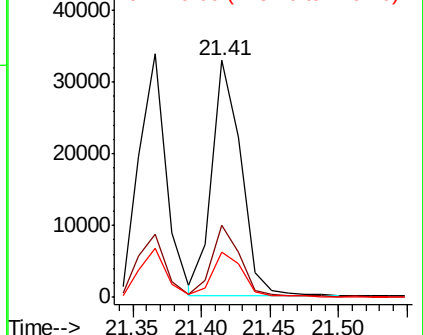
228 100

226 30.5 24.8 37.2

229 18.8 15.4 23.0



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: 0.564 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

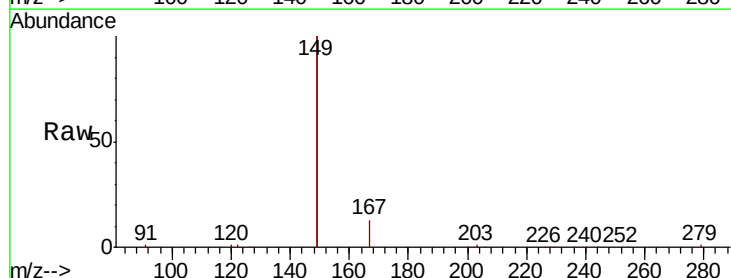
Tgt Ion:149 Resp: 78366

Ion Ratio Lower Upper

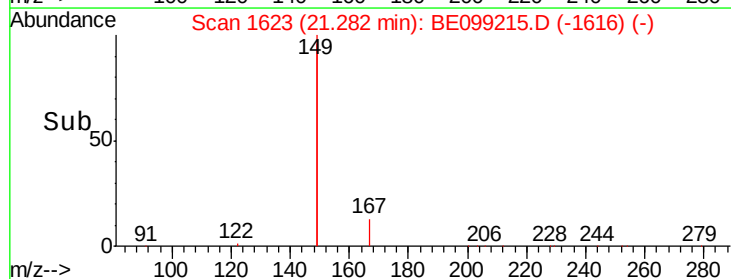
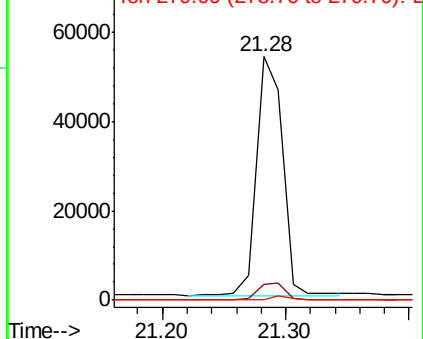
149 100

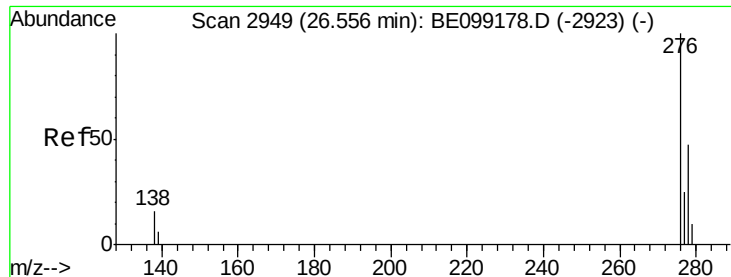
167 7.3 5.9 8.9

279 1.1 1.0 1.6



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

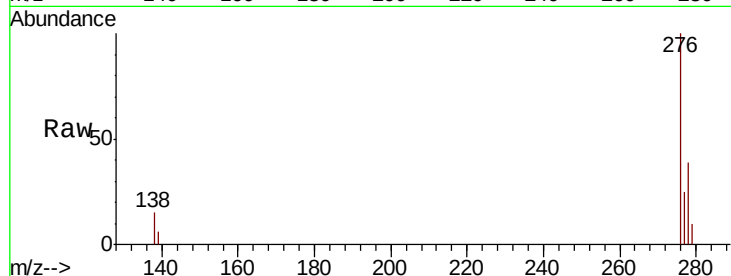




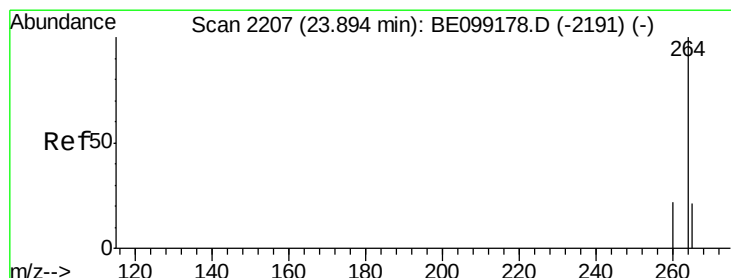
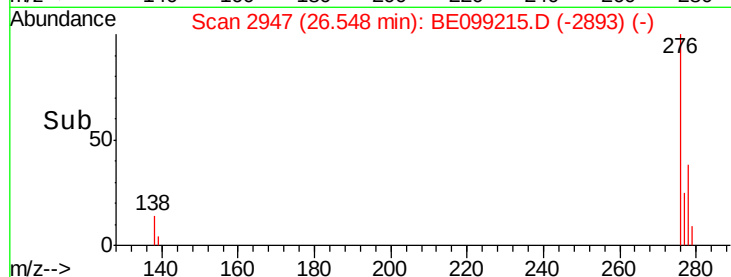
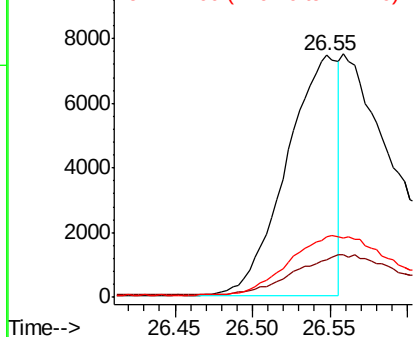
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.145 ng
 RT: 26.55 min Scan# 2947
 Delta R.T. -0.01 min
 Lab File: BE099215.D
 Acq: 26 Mar 2019 14:59

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 17041
 Ion Ratio Lower Upper
 276 100
 138 36.3 12.9 19.3#
 277 56.1 18.3 27.5#

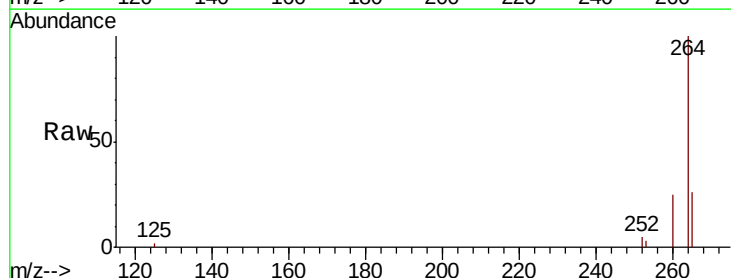


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

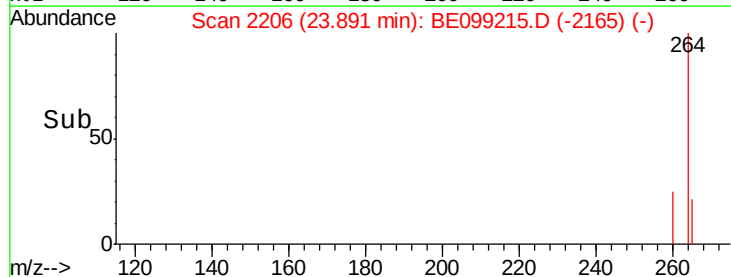
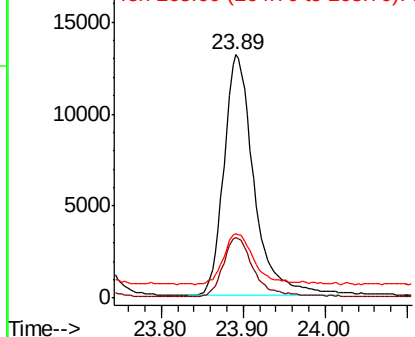


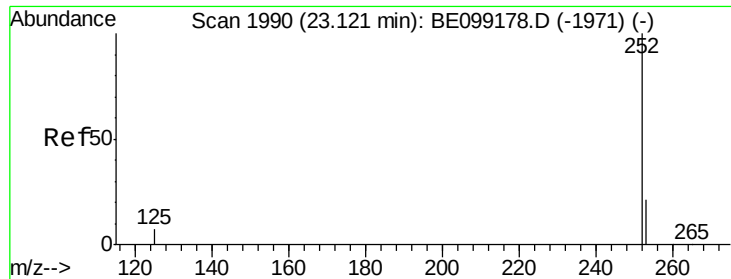
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BE099215.D
 Acq: 26 Mar 2019 14:59

Tgt Ion:264 Resp: 33566
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.2 27.2
 265 26.2 21.8 32.8



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

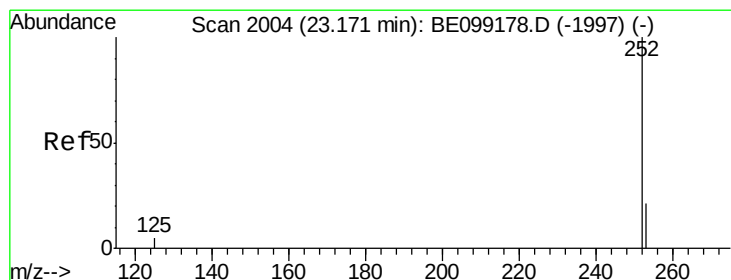
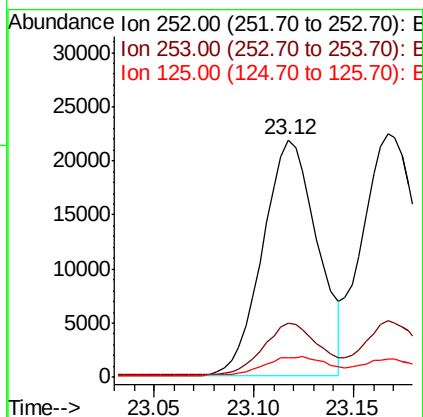
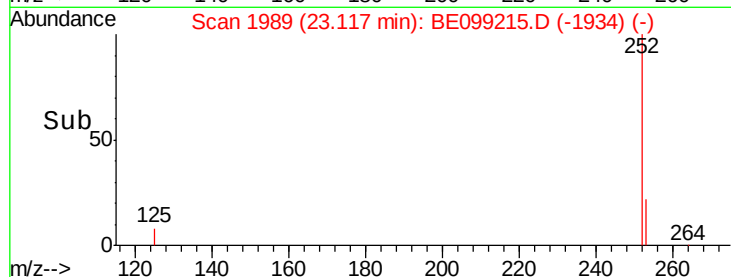
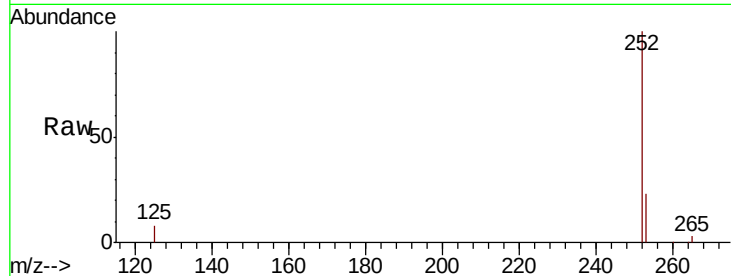




#35
Benzo(b)fluoranthene
Concen: 0.375 ng
RT: 23.12 min Scan# 1989
Delta R.T. -0.00 min
Lab File: BE099215.D
Acq: 26 Mar 2019 14:59

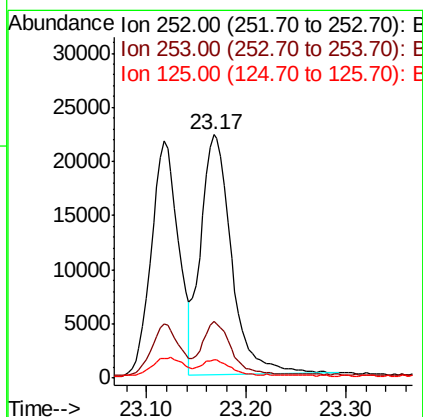
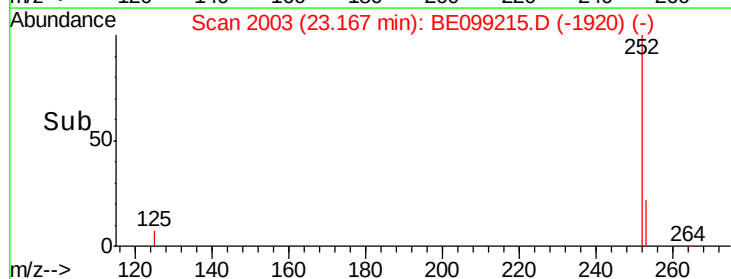
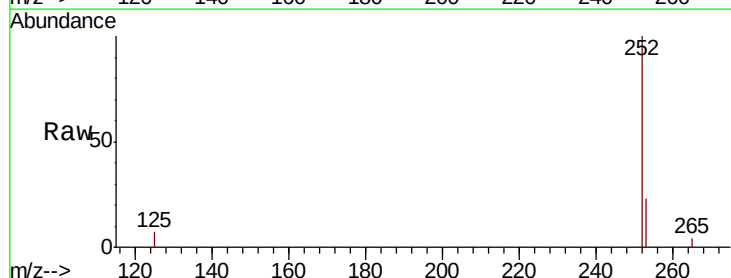
Instrument :
BNA_E
ClientSampleId :

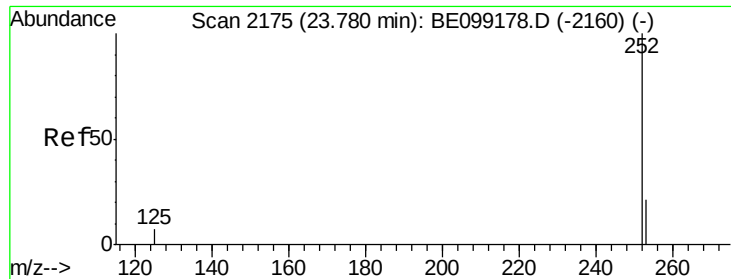
Tot Ion:252 Resp: 41471
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 8.4 6.1 9.1



#36
Benzo(k)fluoranthene
Concen: 0.410 ng
RT: 23.17 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BE099215.D
Acq: 26 Mar 2019 14:59

Tgt Ion:252 Resp: 47847
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 7.3 5.9 8.9





#37

Benzo(a)pyrene

Concen: 0.409 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

ClientSampleId :

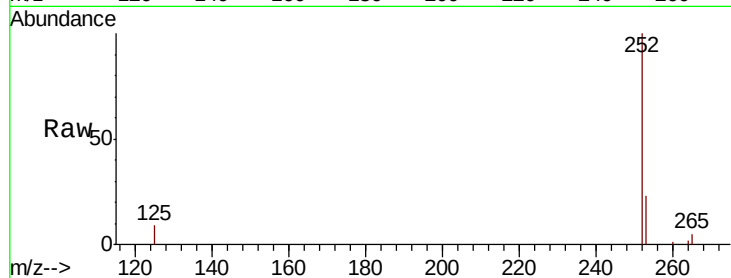
Tot Ion:252 Resp: 42193

Ion Ratio Lower Upper

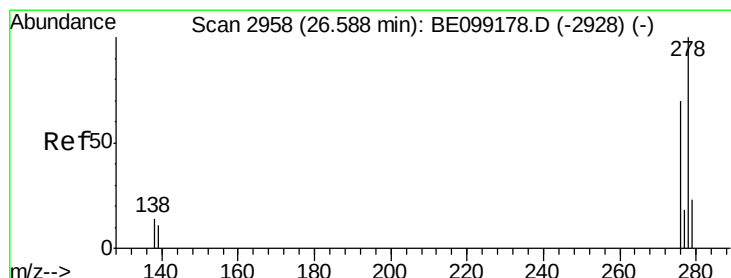
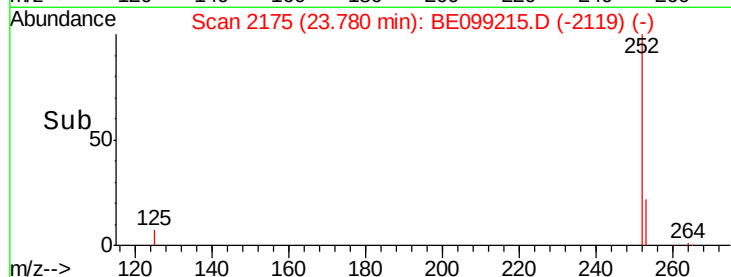
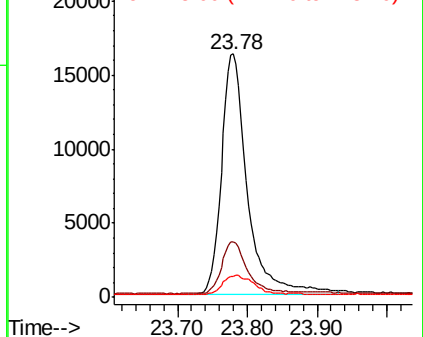
252 100

253 22.9 18.1 27.1

125 8.5 6.8 10.2



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



#38

Dibenzo(a,h)anthracene

Concen: 0.381 ng

RT: 26.57 min Scan# 2954

Delta R.T. -0.02 min

Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

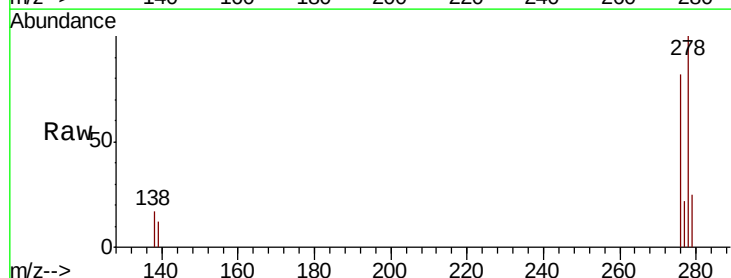
Tgt Ion:278 Resp: 34950

Ion Ratio Lower Upper

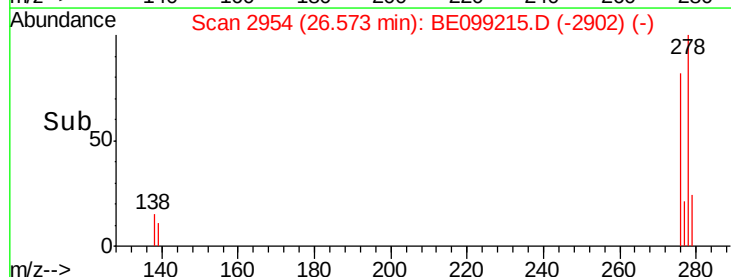
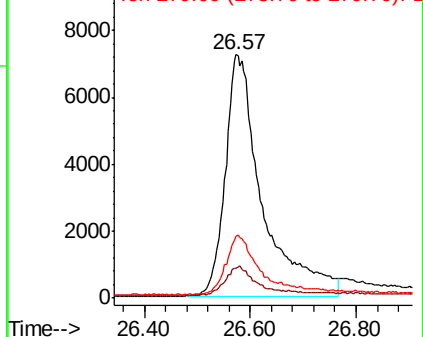
278 100

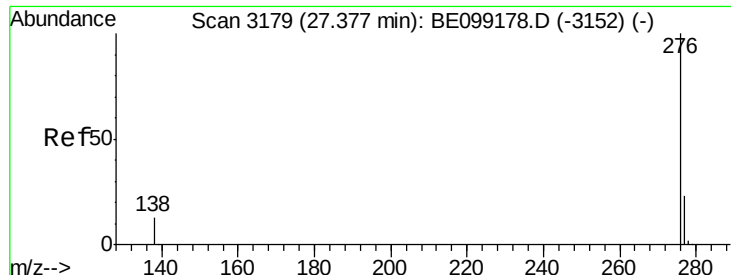
139 12.2 9.5 14.3

279 25.2 19.1 28.7



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: 0.360 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.01 min

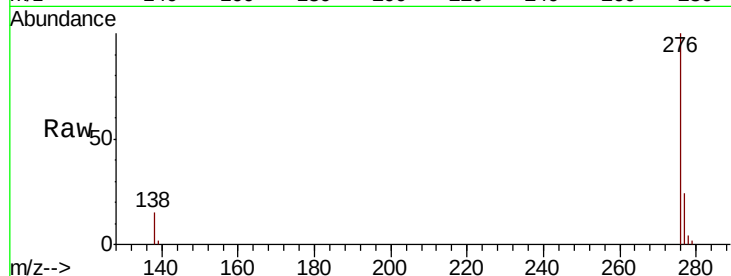
Lab File: BE099215.D

Acq: 26 Mar 2019 14:59

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 33089

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 14.6 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

