

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099138.D
 Acq On : 24 Mar 2019 8:04
 Operator : JU/SJ
 Sample : K1947-01MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B098-031219MSD

Quant Time: Mar 24 23:03:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3993	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	15595	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9755	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	24779	0.40	ng	0.00
27) Chrysene-d12	21.38	240	38619	0.40	ng	-0.01
34) Perylene-d12	23.90	264	42219	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4787	0.40	ng	0.00
5) Phenol-d6	6.99	99	6782	0.40	ng	0.00
8) Nitrobenzene-d5	8.99	82	4881	0.72	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	12636	0.45	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1798	0.63	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14238	0.37	ng	-0.01
25) Fluoranthene-d10	19.24	212	121980	0.37	ng	0.00
29) Terphenyl-d14	19.83	244	24695	0.30	ng	0.00

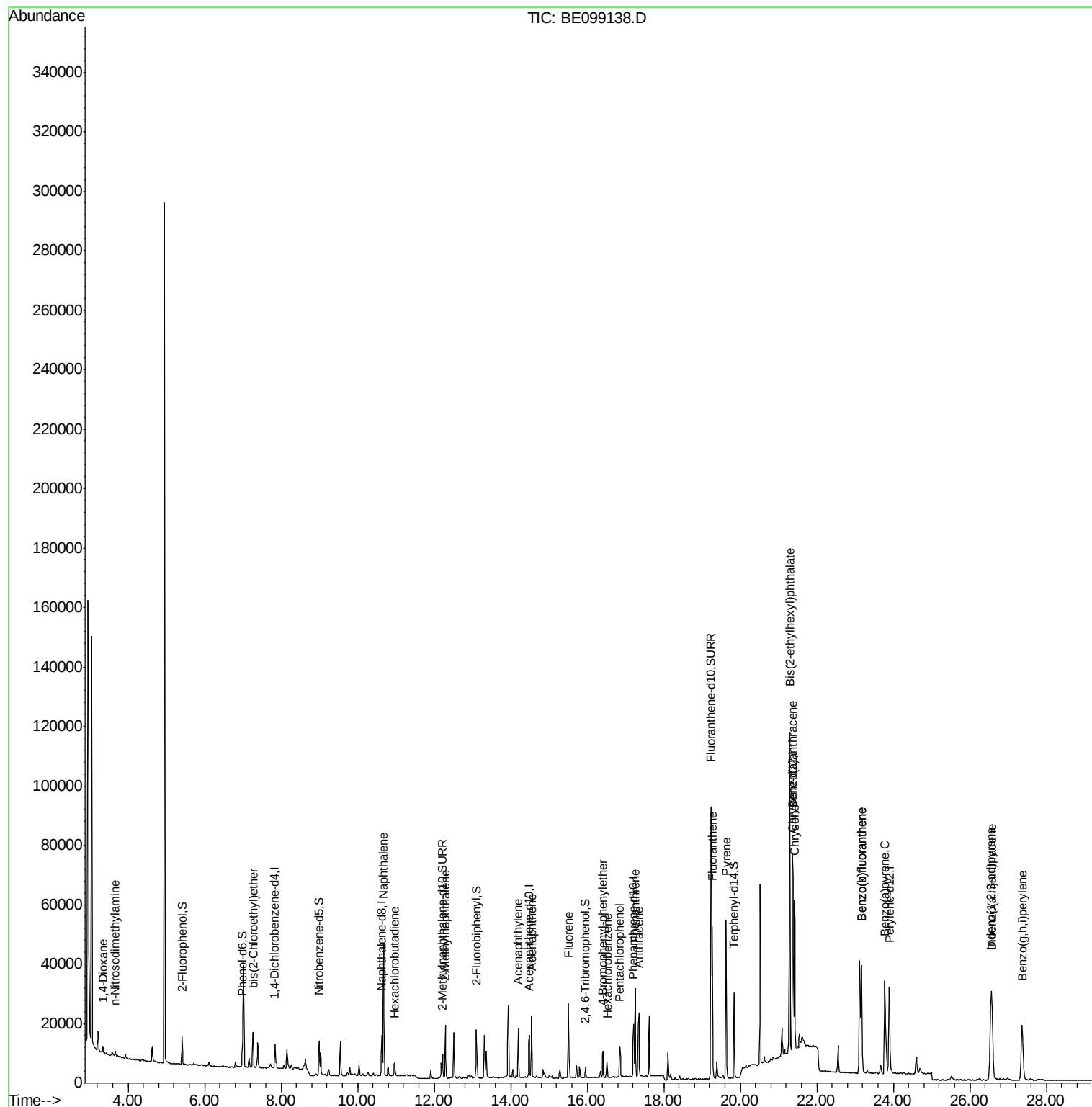
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	1774	0.286	ng	# 65
3) n-Nitrosodimethylamine	3.66	42	1159	0.363	ng	# 100
6) bis(2-Chloroethyl)ether	7.27	93	5198	0.374	ng	85
9) Naphthalene	10.68	128	67017	0.365	ng	99
10) Hexachlorobutadiene	10.95	225	3318	0.369	ng	96
12) 2-Methylnaphthalene	12.30	142	11383	0.362	ng	95
16) Acenaphthylene	14.20	152	18187	0.349	ng	97
17) Acenaphthene	14.54	154	10188	0.330	ng	99
18) Fluorene	15.51	166	14338	0.318	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	5238	0.382	ng	# 64
21) Hexachlorobenzene	16.52	284	4853	0.381	ng	93
22) Pentachlorophenol	16.85	266	5410	1.288	ng	# 76
23) Phenanthrene	17.25	178	30078	0.409	ng	99
24) Anthracene	17.35	178	25316	0.364	ng	98
26) Fluoranthene	19.27	202	46590	0.450	ng	99
28) Pyrene	19.63	202	49544	0.378	ng	97
30) Benzo(a)anthracene	21.37	228	51440	0.378	ng	98
31) Chrysene	21.41	228	49998	0.368	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	118652	0.672	ng	98
33) Indeno(1,2,3-cd)pyrene	26.54	276	55088	0.377	ng	99
35) Benzo(b)fluoranthene	23.17	252	51198	0.351	ng	98
36) Benzo(k)fluoranthene	23.17	252	51412	0.359	ng	98
37) Benzo(a)pyrene	23.78	252	51254	0.380	ng	97
38) Dibenzo(a,h)anthracene	26.58	278	42819	0.326	ng	97
39) Benzo(g,h,i)perylene	27.37	276	47186	0.350	ng	97

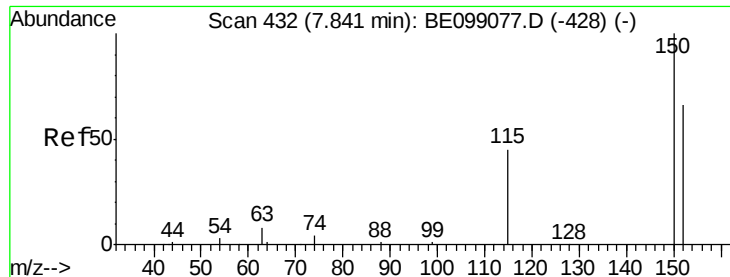
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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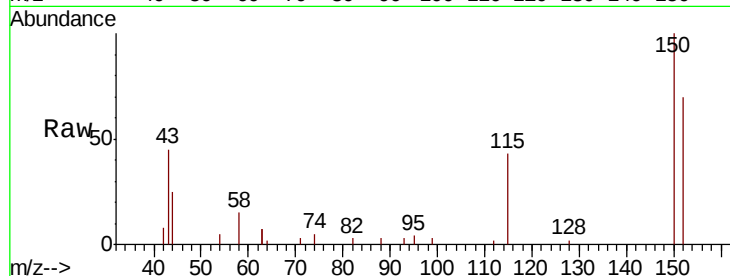


#1

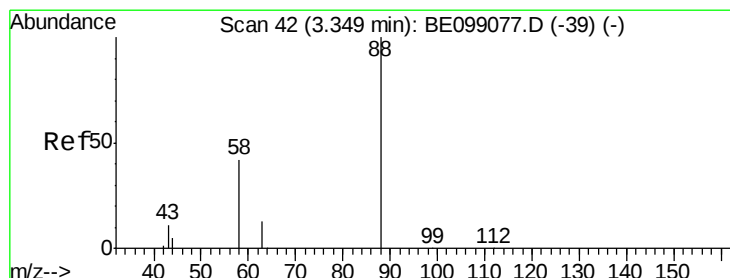
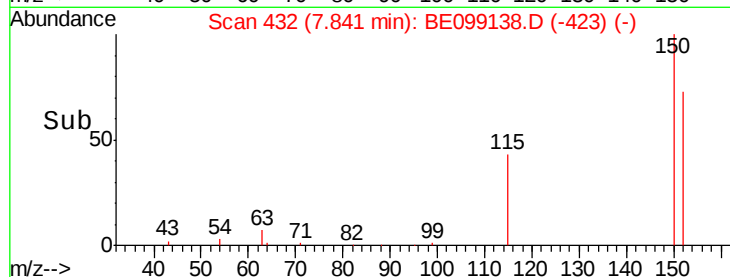
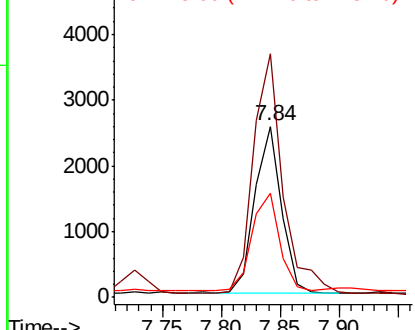
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099138.D
Acq: 24 Mar 2019 8:04

Instrument :
BNA_E
ClientSampleId :
PST-028-B098-031219MSD

Tgt Ion:152 Resp: 3993
Ion Ratio Lower Upper
152 100
150 142.3 122.5 183.7
115 61.1 57.4 86.2



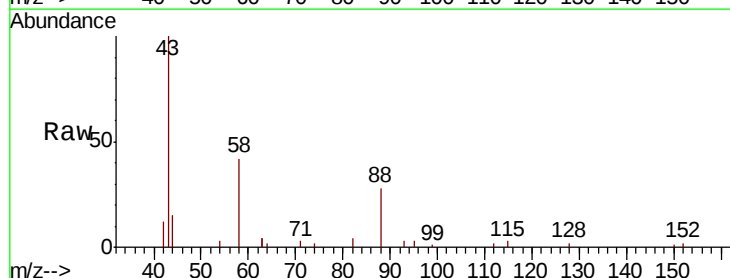
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



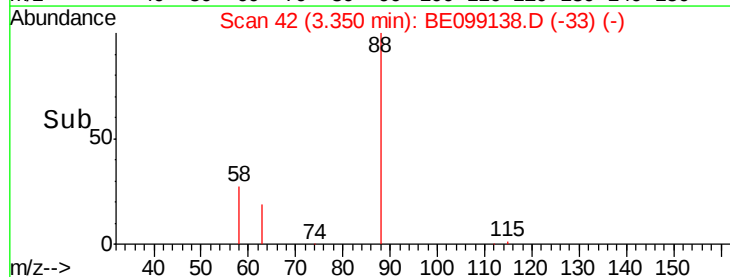
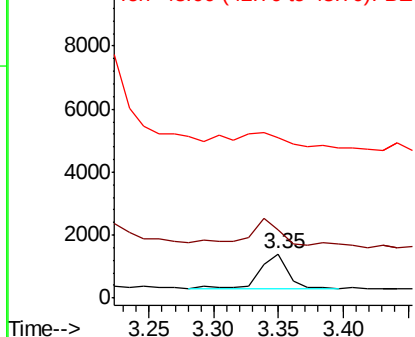
#2

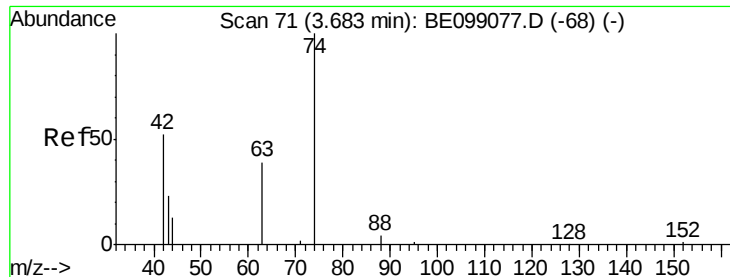
1,4-Dioxane
Concen: 0.286 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE099138.D
Acq: 24 Mar 2019 8:04

Tgt Ion: 88 Resp: 1774
Ion Ratio Lower Upper
88 100
58 67.5 52.0 78.0
43 86.1 24.0 36.0#



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: 0.363 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.02 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

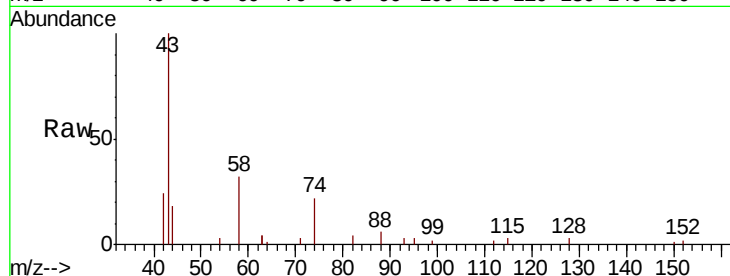
Tgt Ion: 42 Resp: 1159

Ion Ratio Lower Upper

42 100

74 199.4 160.0 240.0

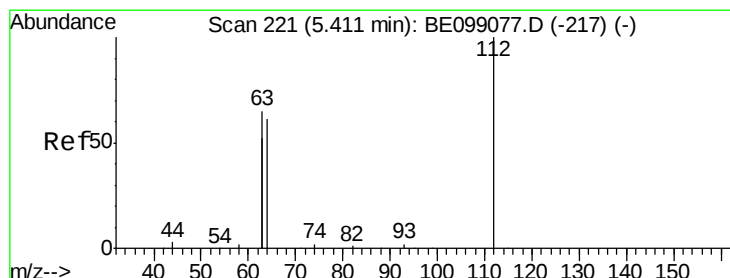
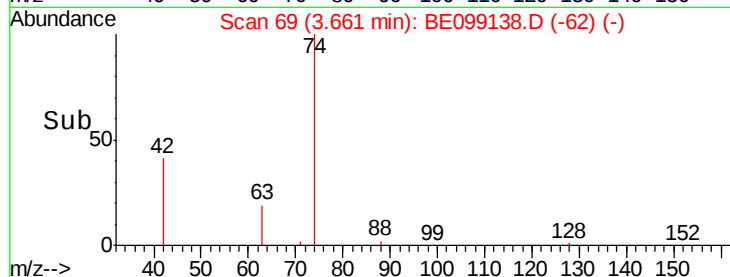
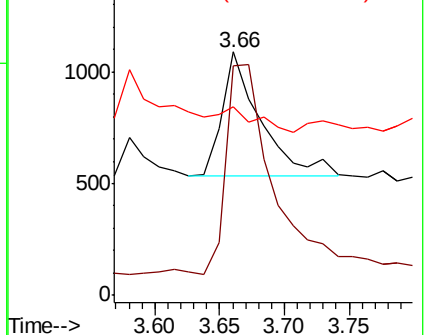
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.403 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

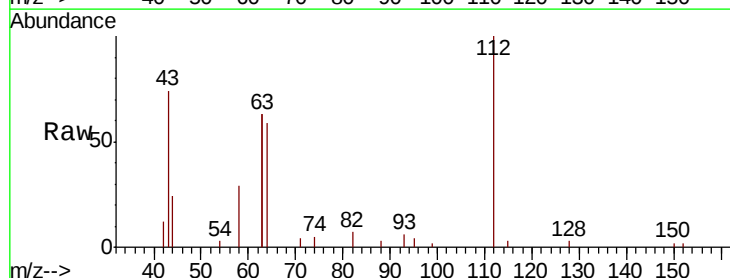
Tgt Ion: 112 Resp: 4787

Ion Ratio Lower Upper

112 100

64 59.3 57.9 86.9

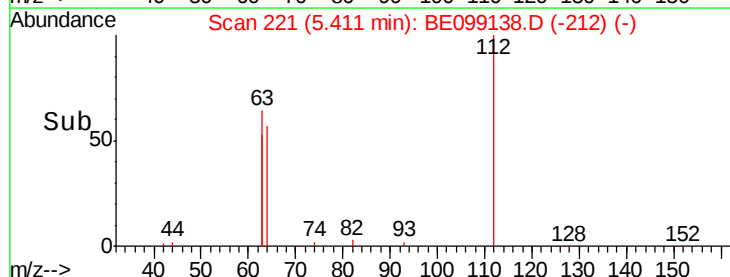
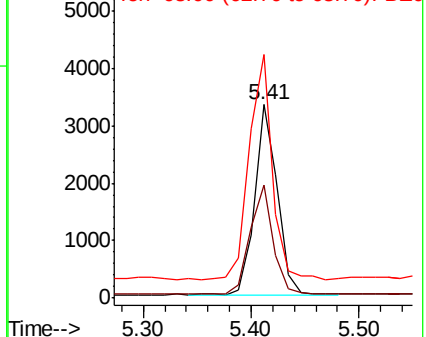
63 121.7 158.3 237.5#

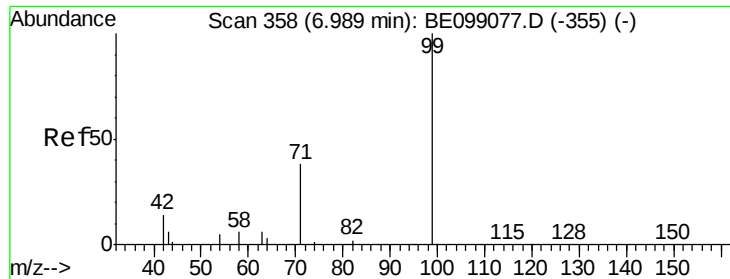


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.396 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

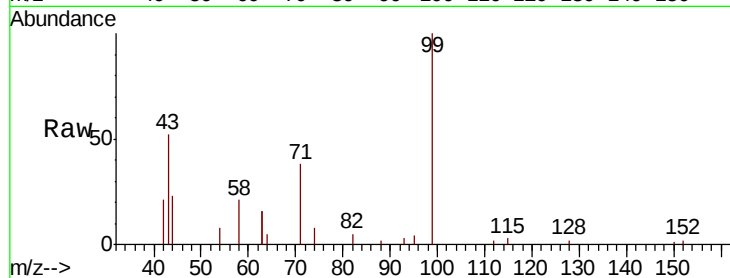
Tgt Ion: 99 Resp: 6782

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

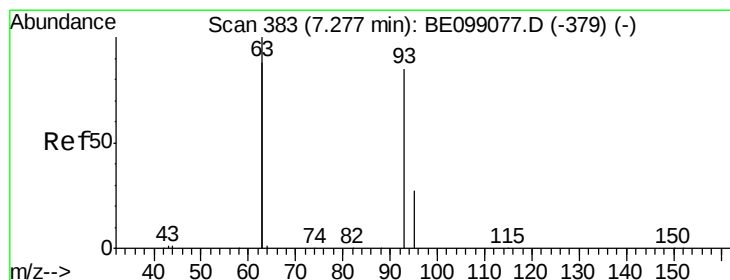
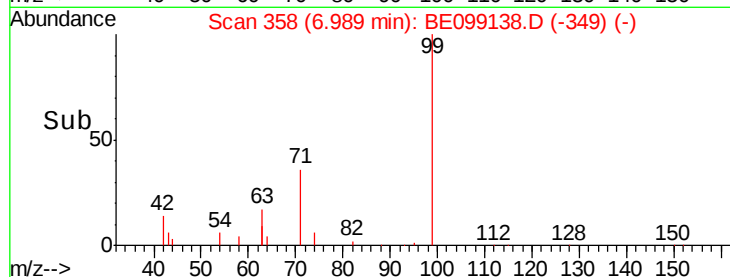
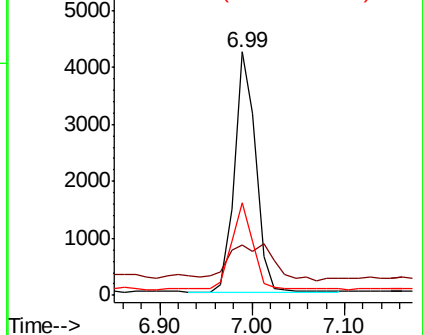
71 36.2 35.7 53.5



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.374 ng

RT: 7.27 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

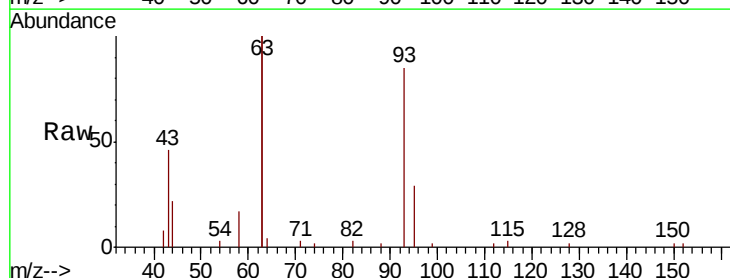
Tgt Ion: 93 Resp: 5198

Ion Ratio Lower Upper

93 100

63 277.1 247.5 371.3

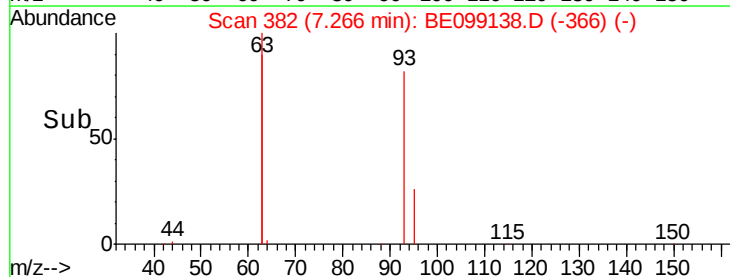
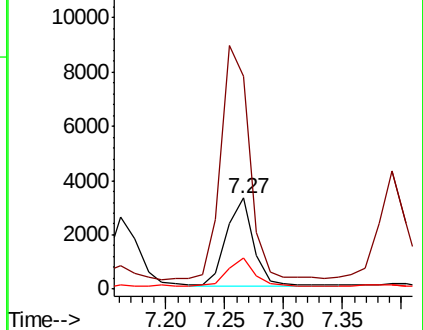
95 30.4 21.8 32.8

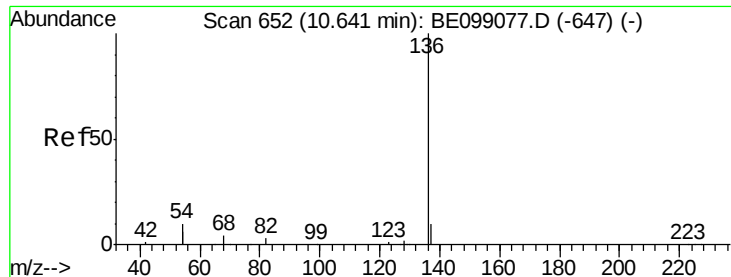


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

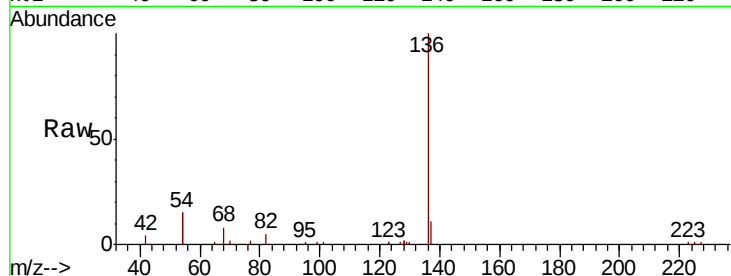
Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

Tgt Ion:	136	Resp:	15595
Ion	Ratio	Lower	Upper
136	100		
137	11.4	11.4	17.0
54	30.2	39.3	58.9#
68	7.6	6.7	10.1

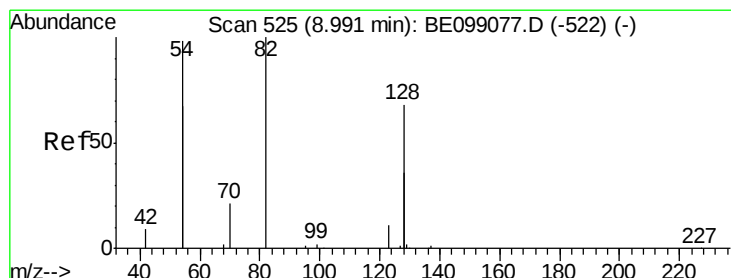
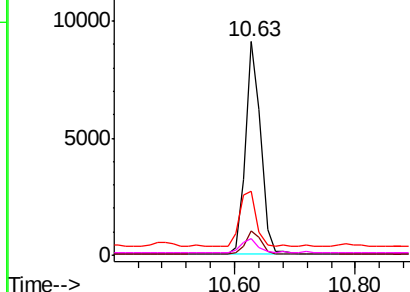
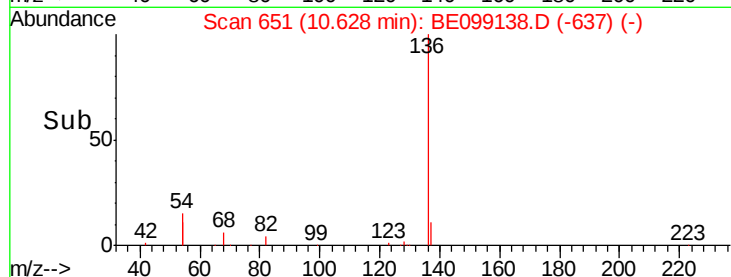


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.716 ng

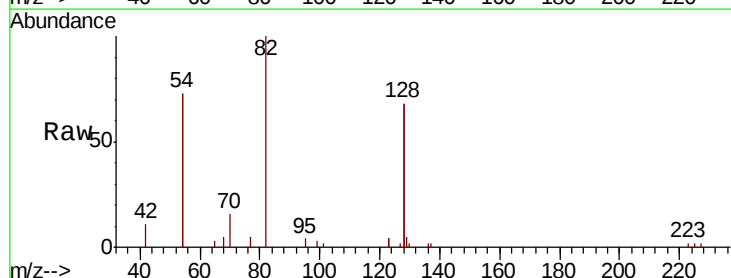
RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

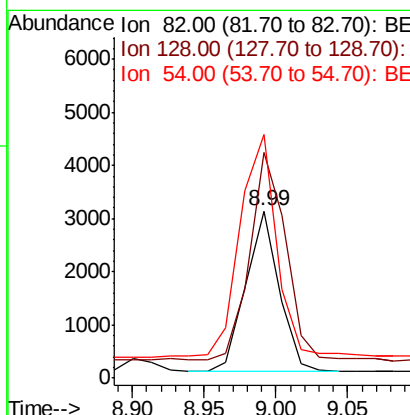
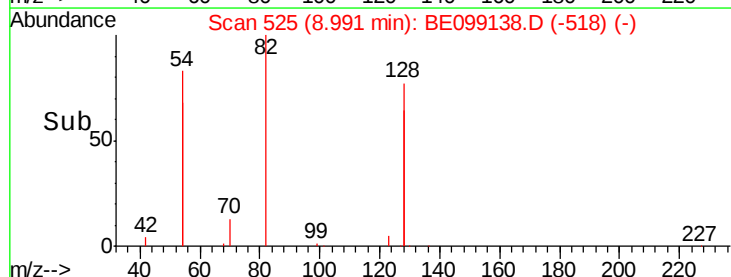
Tgt Ion:	82	Resp:	4881
Ion	Ratio	Lower	Upper
82	100		
128	135.6	123.8	185.8
54	145.9	203.4	305.2#

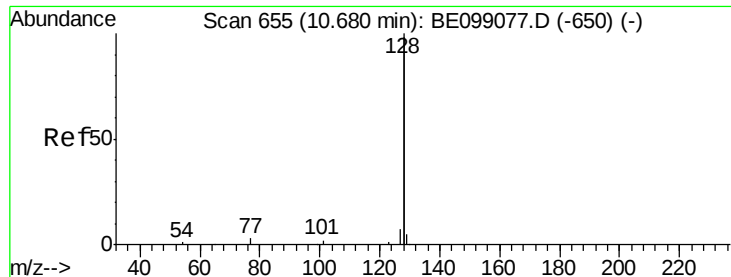


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.365 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099138.D

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Instrument :

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ClientSampleId :

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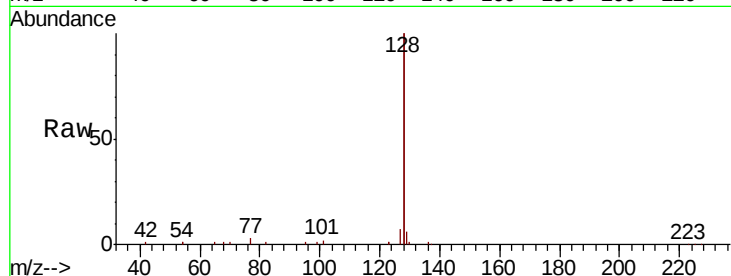
Tgt Ion:128 Resp: 67017

Ion Ratio Lower Upper

128 100

129 2.8 2.6 4.0

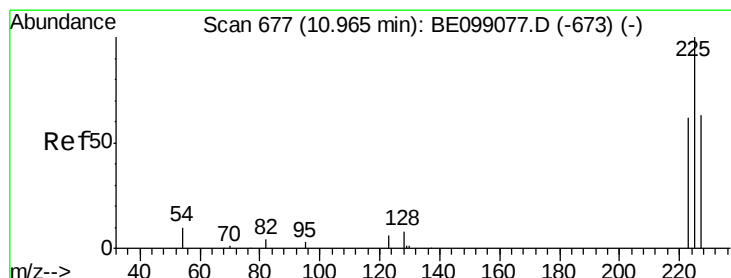
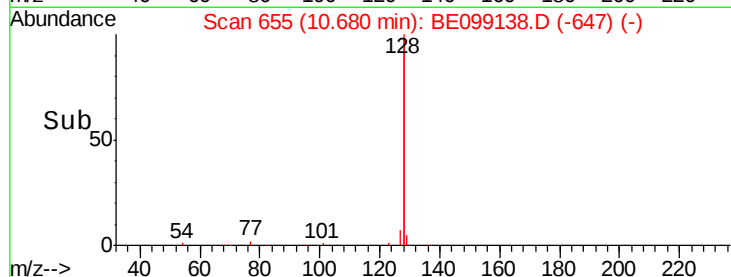
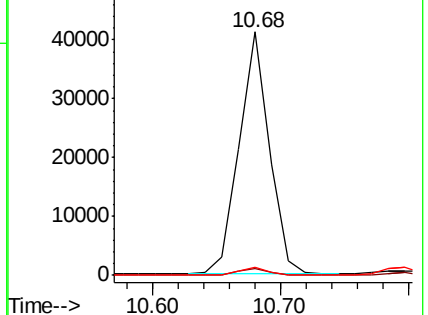
127 3.4 3.1 4.7



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: 0.369 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

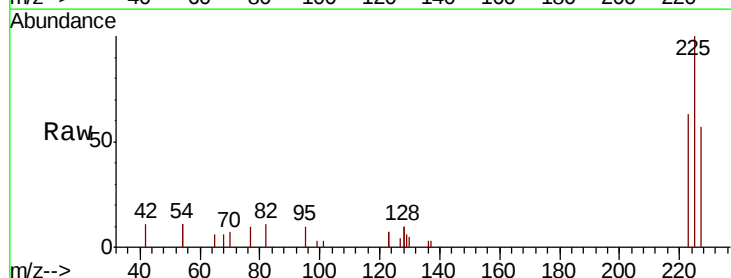
Tgt Ion:225 Resp: 3318

Ion Ratio Lower Upper

225 100

223 60.9 51.1 76.7

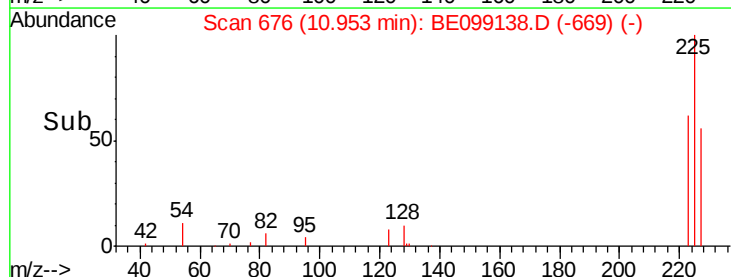
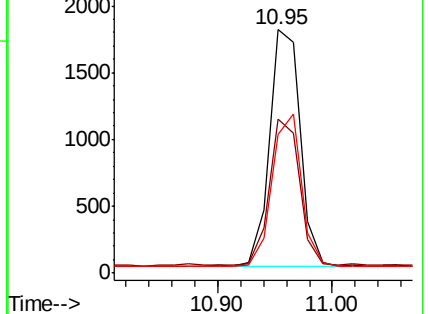
227 61.8 51.6 77.4

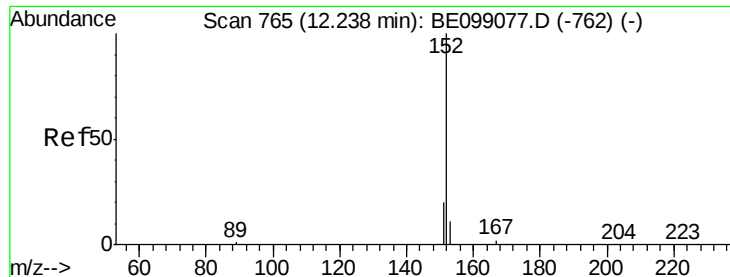


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

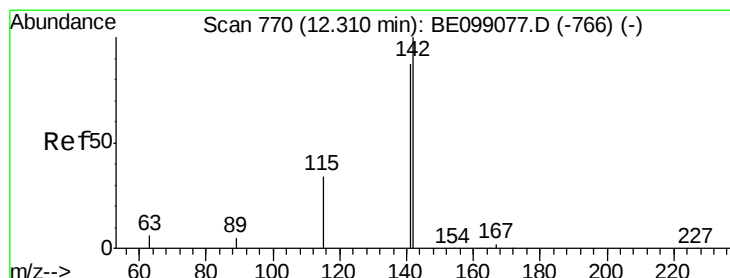
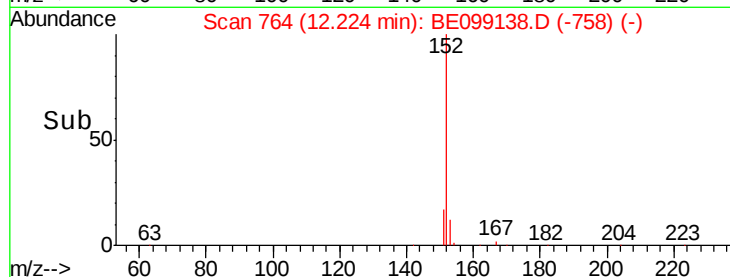
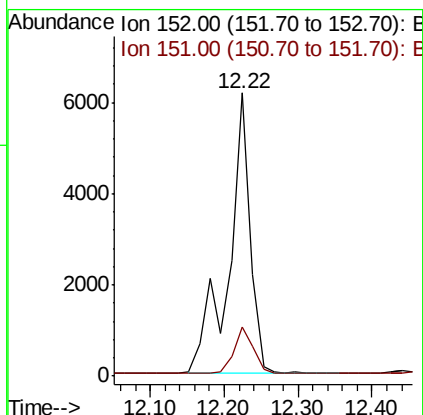
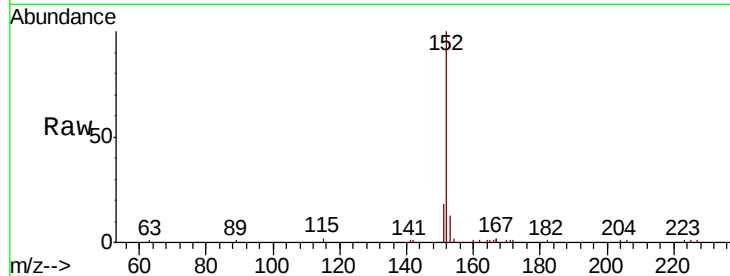




#11
 2-Methylnaphthalene-d10
 Concen: 0.450 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BE099138.D
 Acq: 24 Mar 2019 8:04

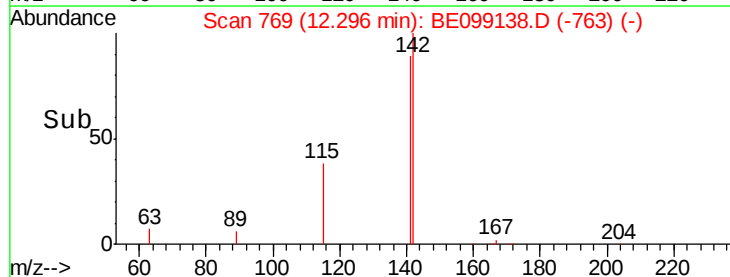
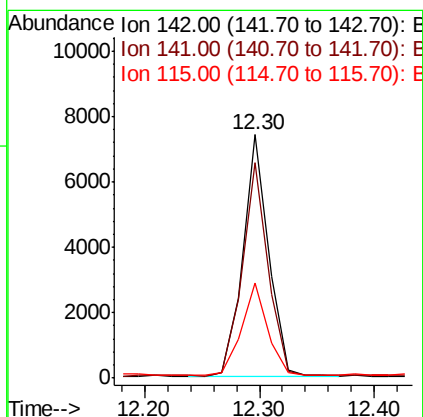
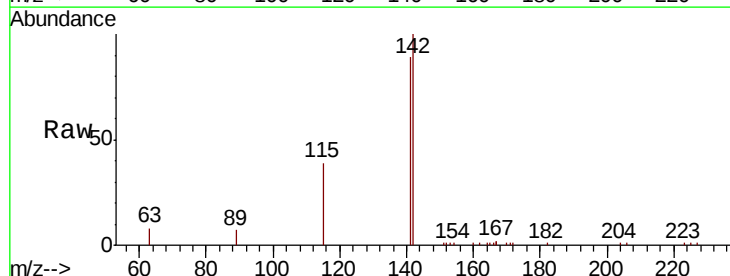
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 PST-028-B098-031219MSD

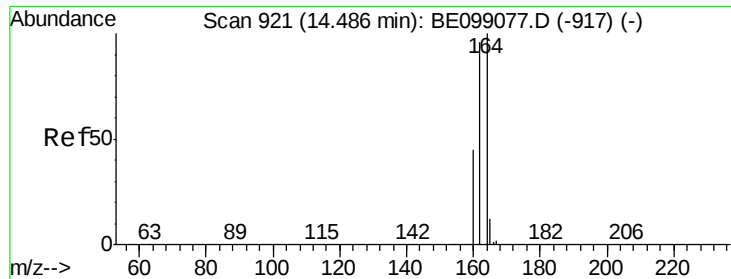
Tgt Ion:152 Resp: 12636
 Ion Ratio Lower Upper
 152 100
 151 14.9 16.5 24.7#



#12
 2-Methylnaphthalene
 Concen: 0.362 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BE099138.D
 Acq: 24 Mar 2019 8:04

Tgt Ion:142 Resp: 11383
 Ion Ratio Lower Upper
 142 100
 141 88.7 72.6 108.8
 115 39.1 37.4 56.2

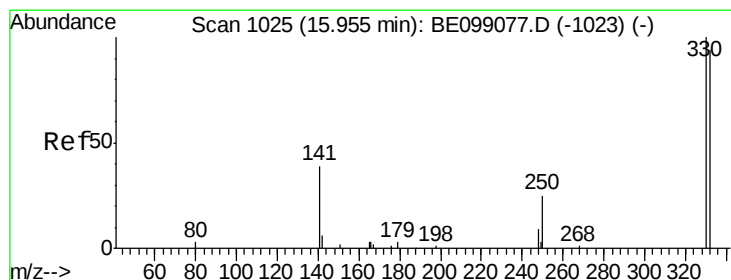
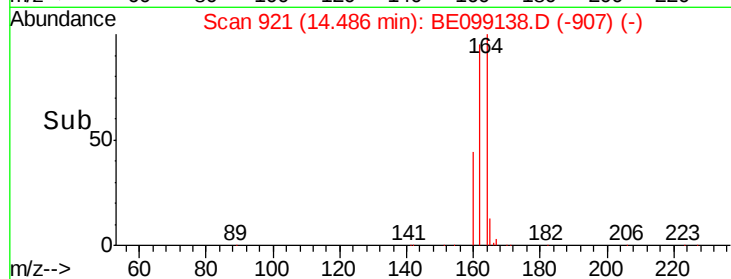
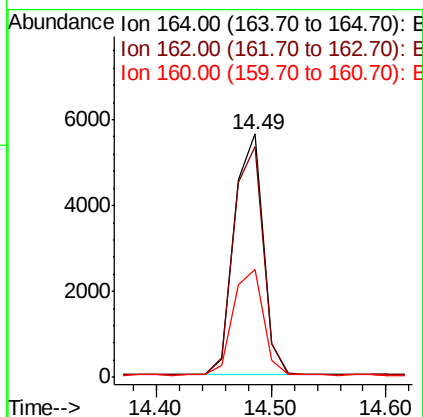
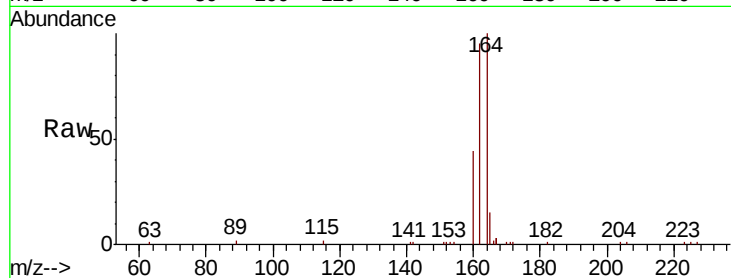




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099138.D
Acq: 24 Mar 2019 8:04

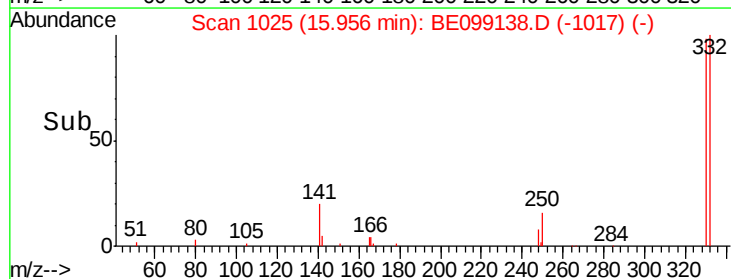
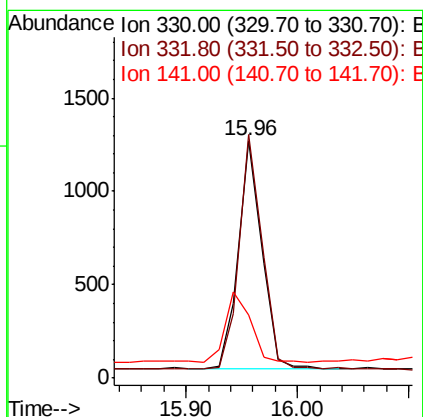
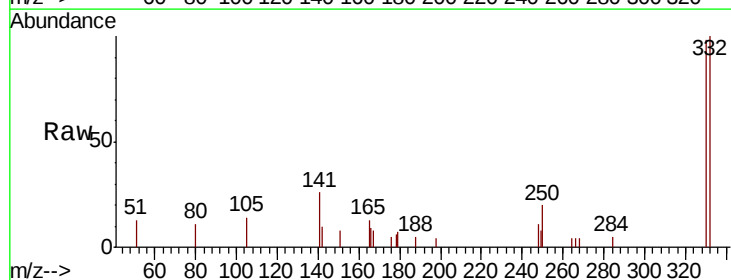
Instrument :
BNA_E
ClientSampleId :
PST-028-B098-031219MSD

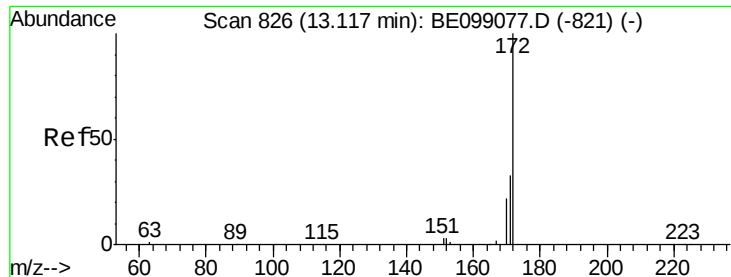
Tgt Ion:164 Resp: 9755
Ion Ratio Lower Upper
164 100
162 94.9 80.2 120.2
160 44.1 37.8 56.8



#14
2,4,6-Tribromophenol
Concen: 0.627 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099138.D
Acq: 24 Mar 2019 8:04

Tgt Ion:330 Resp: 1798
Ion Ratio Lower Upper
330 100
332 102.8 77.6 116.4
141 32.1 31.0 46.4

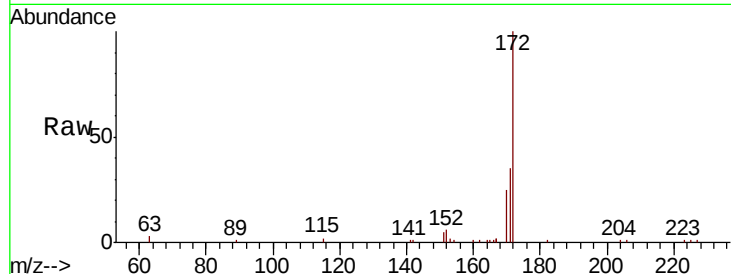




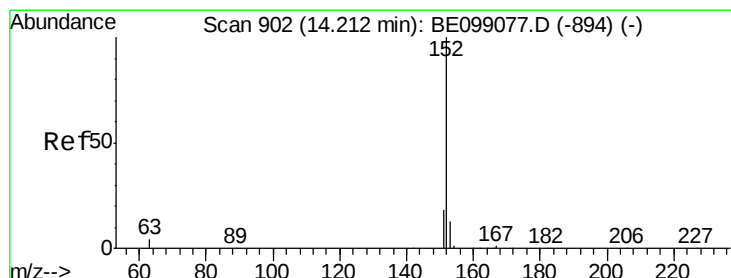
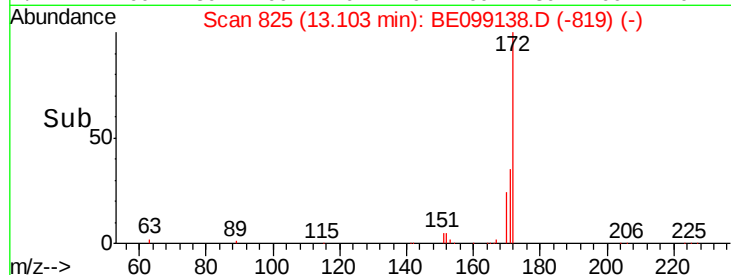
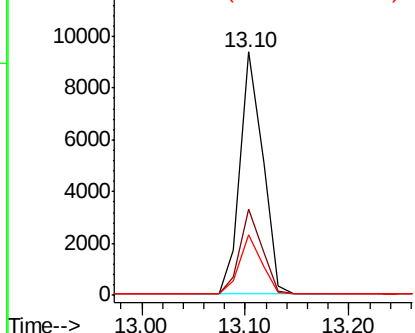
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099138.D
Acq: 24 Mar 2019 8:04

Instrument :
BNA_E
ClientSampleId :
PST-028-B098-031219MSD

Tgt Ion:172 Resp: 14238
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 24.9 17.7 26.5

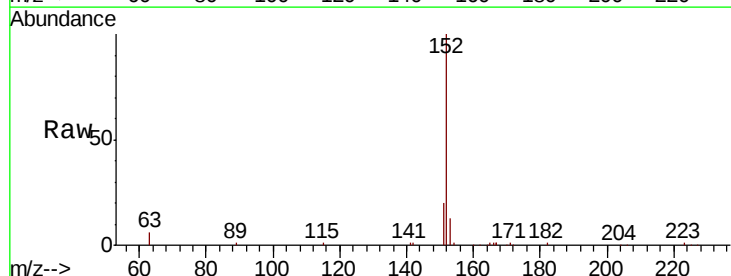


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

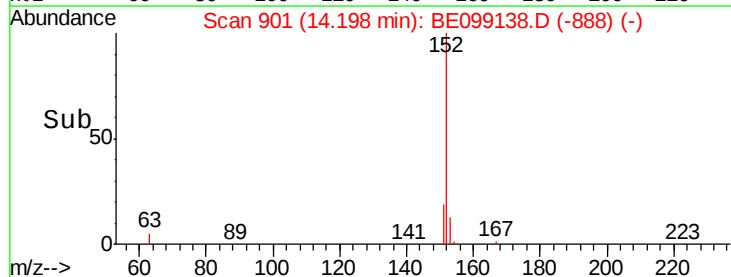
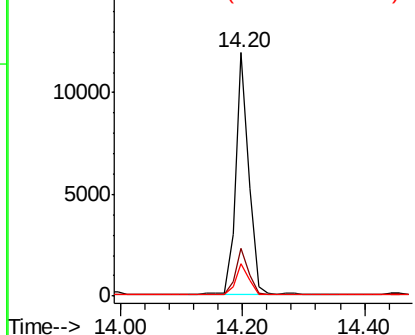


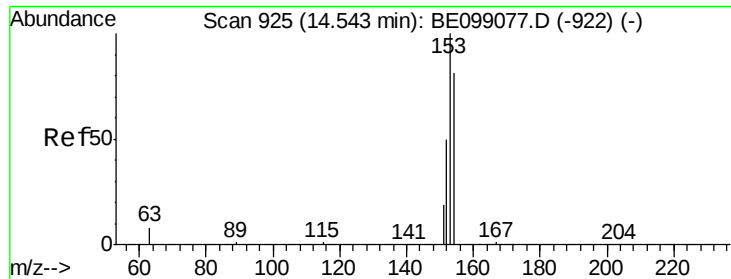
#16
Acenaphthylene
Concen: 0.349 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099138.D
Acq: 24 Mar 2019 8:04

Tgt Ion:152 Resp: 18187
Ion Ratio Lower Upper
152 100
151 19.5 17.0 25.6
153 13.1 11.2 16.8



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

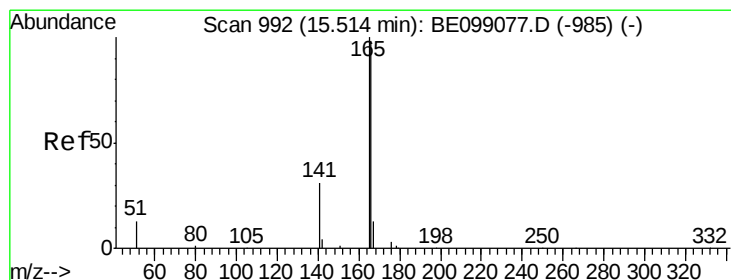
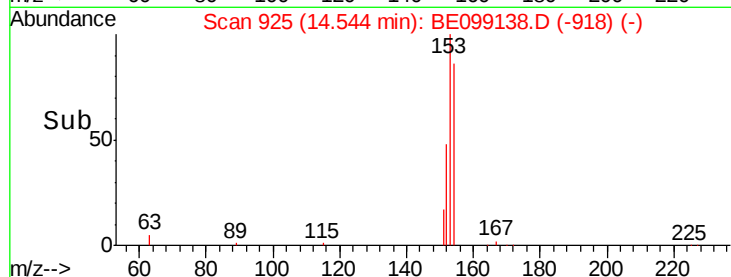
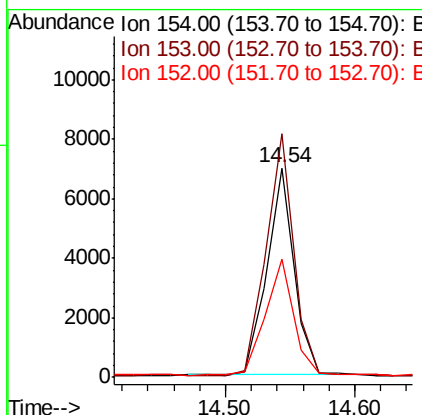
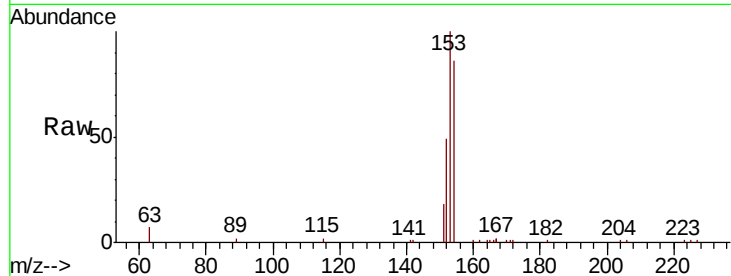




#17
Acenaphthene
Concen: 0.330 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE099138.D
Acq: 24 Mar 2019 8:04

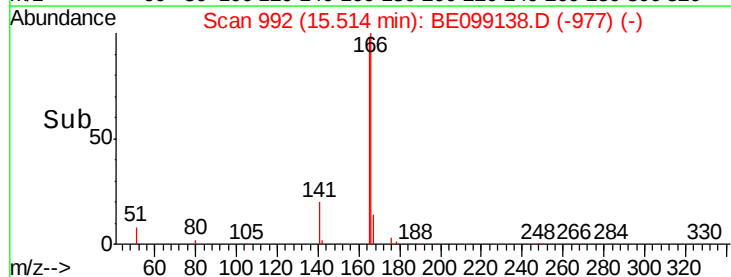
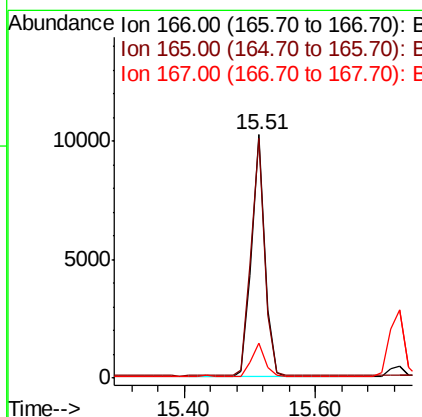
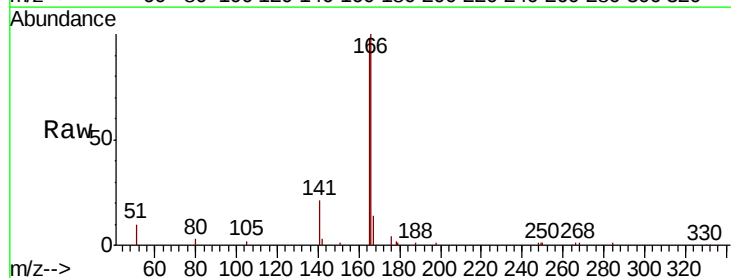
Instrument :
BNA_E
ClientSampleId :
PST-028-B098-031219MSD

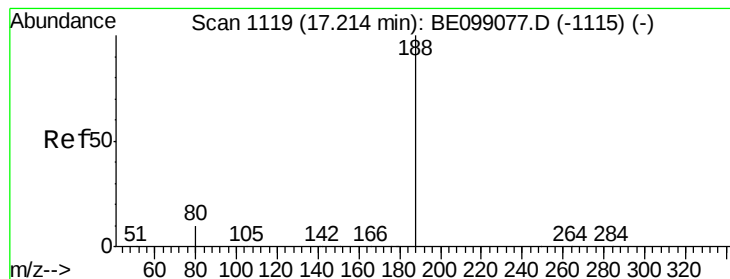
Tgt Ion:154 Resp: 10188
Ion Ratio Lower Upper
154 100
153 118.7 94.2 141.4
152 57.8 45.0 67.4



#18
Fluorene
Concen: 0.318 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE099138.D
Acq: 24 Mar 2019 8:04

Tgt Ion:166 Resp: 14338
Ion Ratio Lower Upper
166 100
165 99.2 79.3 118.9
167 13.7 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

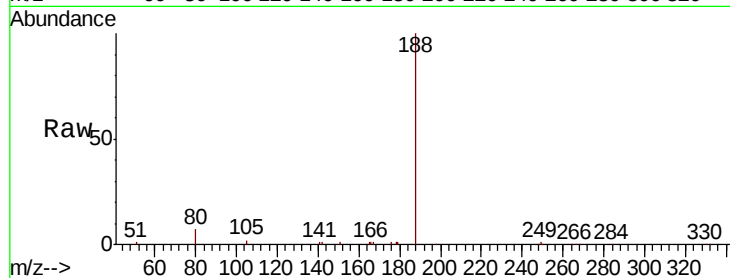
Tgt Ion:188 Resp: 24779

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

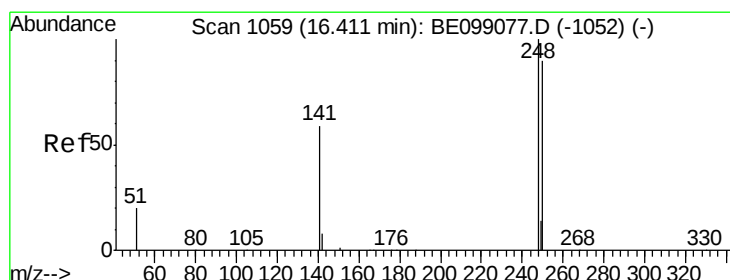
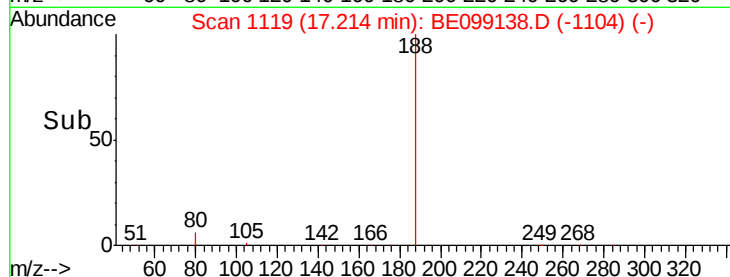
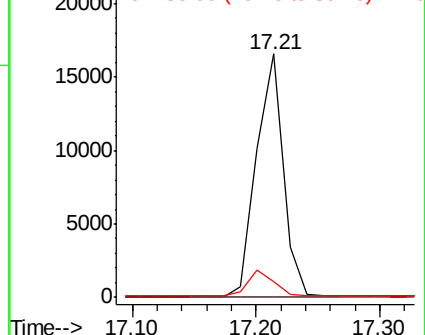
80 6.6 6.3 9.5



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: 0.382 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

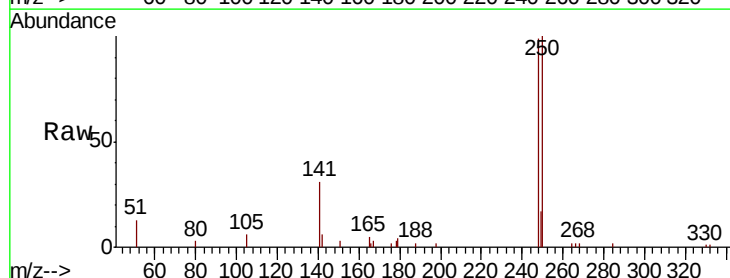
Tgt Ion:248 Resp: 5238

Ion Ratio Lower Upper

248 100

250 100.8 70.6 105.8

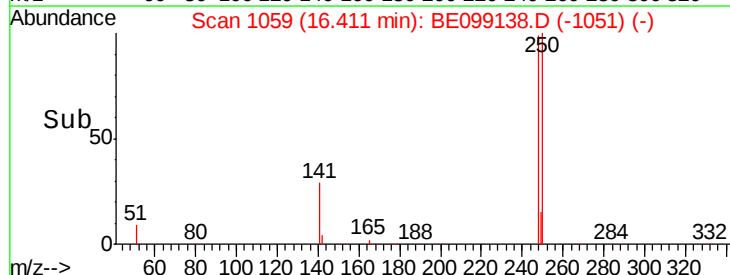
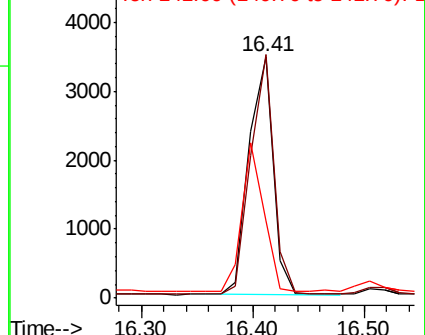
141 31.7 68.6 102.8#

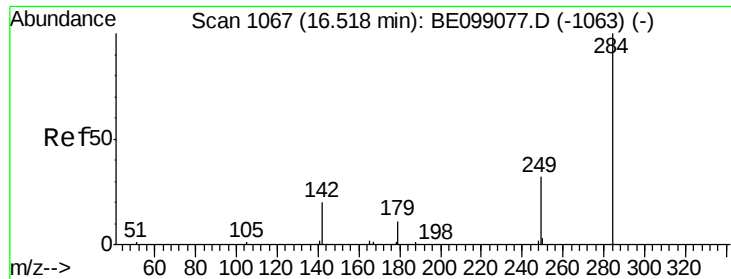


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.381 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

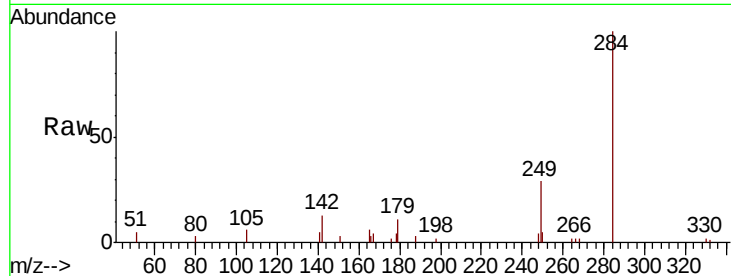
Tgt Ion:284 Resp: 4853

Ion Ratio Lower Upper

284 100

142 30.4 28.7 43.1

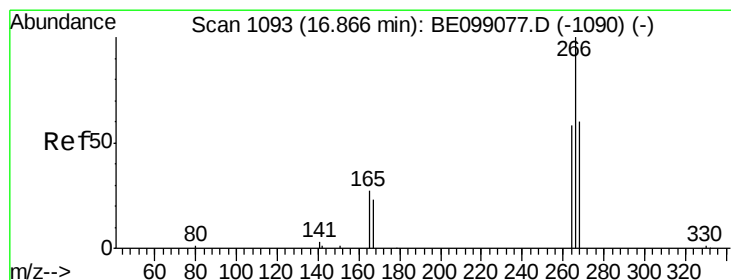
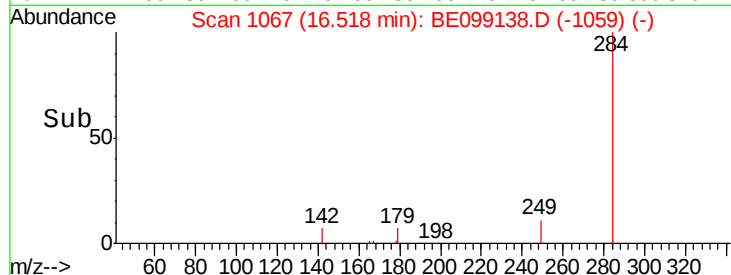
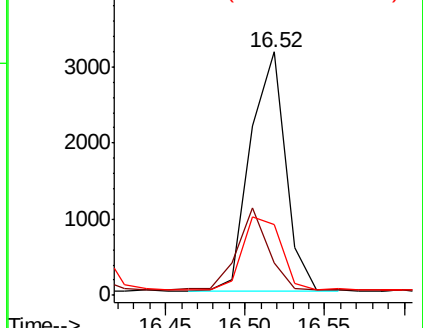
249 34.1 29.6 44.4



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: 1.288 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

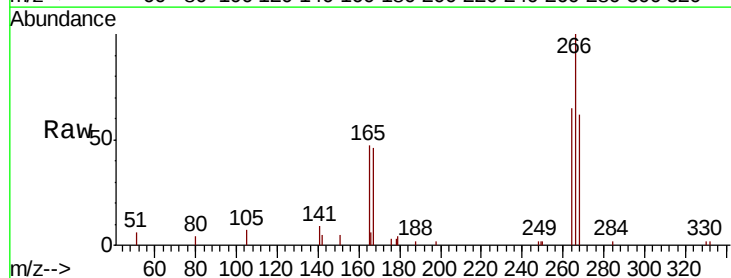
Tgt Ion:266 Resp: 5410

Ion Ratio Lower Upper

266 100

264 65.5 66.6 100.0#

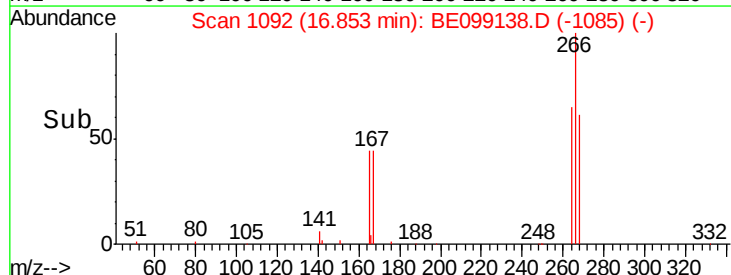
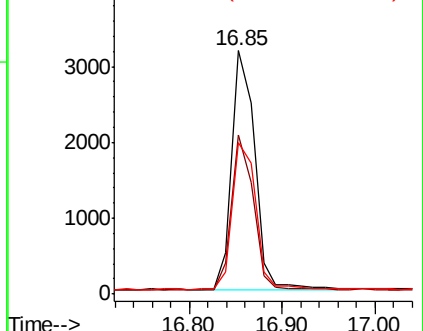
268 62.0 69.8 104.8#

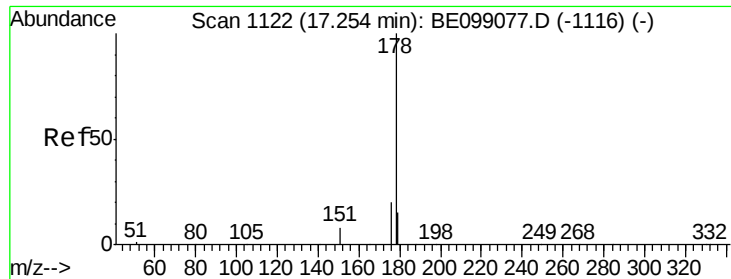


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.409 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

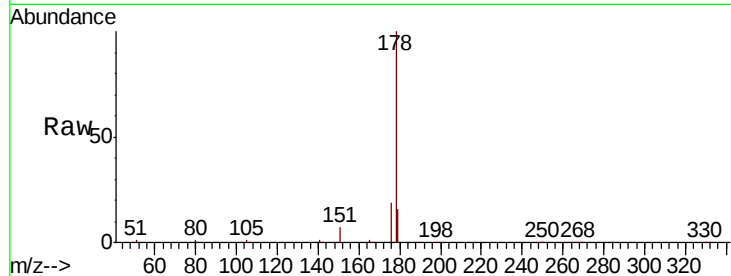
Tgt Ion:178 Resp: 30078

Ion Ratio Lower Upper

178 100

176 19.8 16.0 24.0

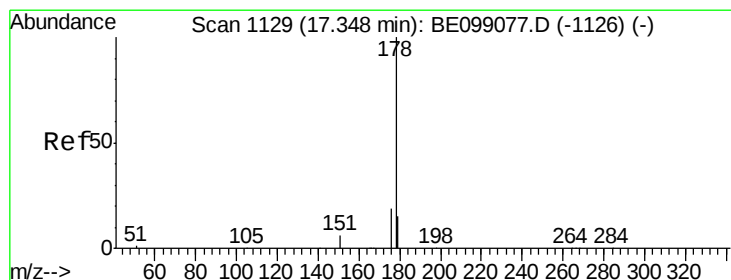
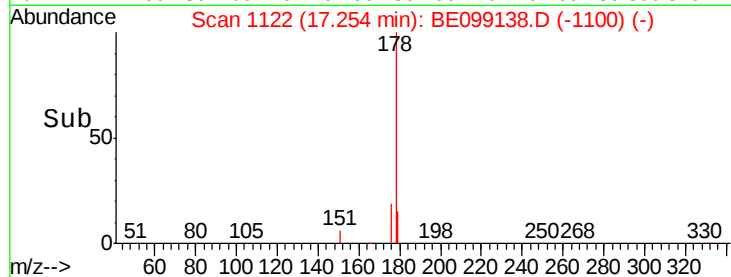
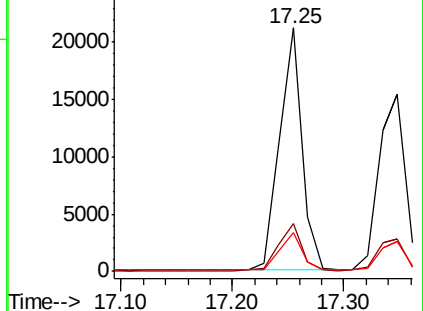
179 15.9 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.364 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

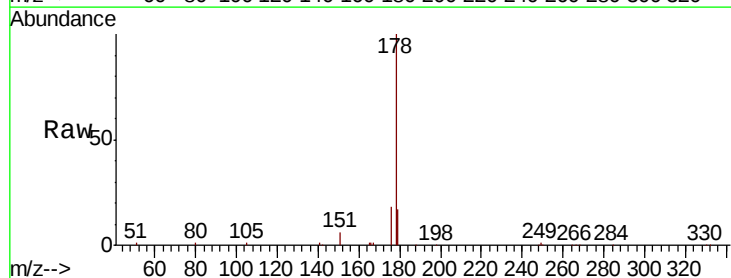
Tgt Ion:178 Resp: 25316

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

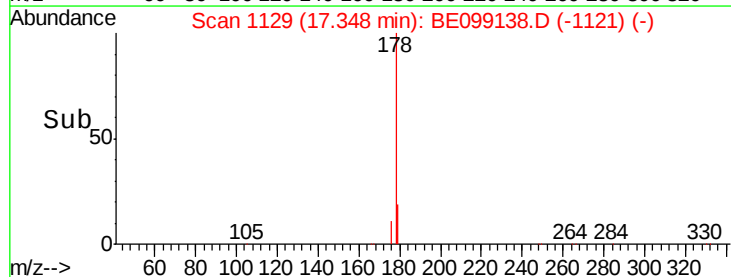
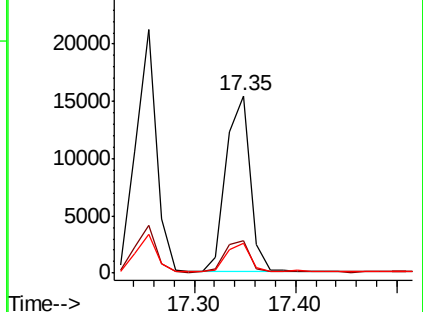
179 16.2 12.2 18.4

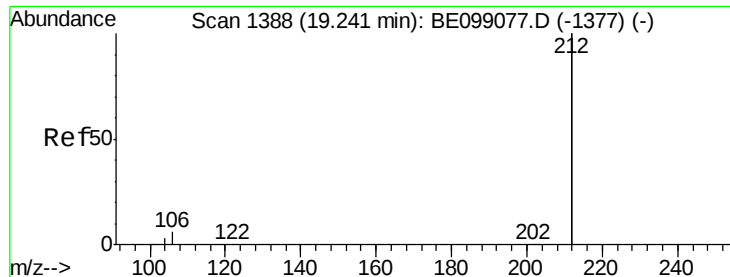


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

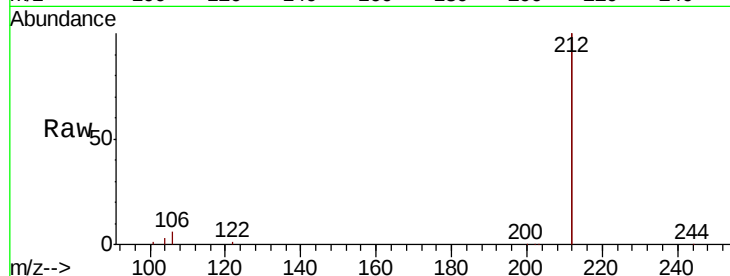
Tgt Ion:212 Resp: 121980

Ion Ratio Lower Upper

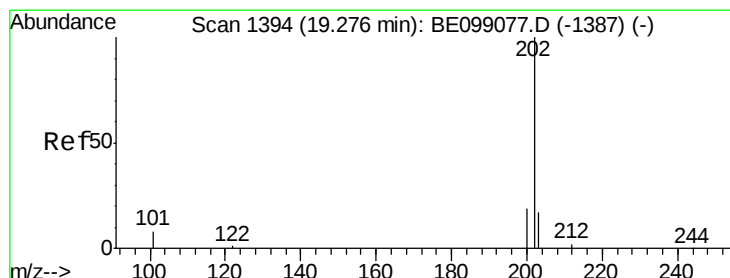
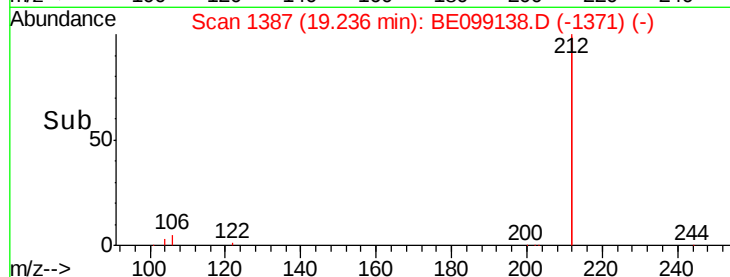
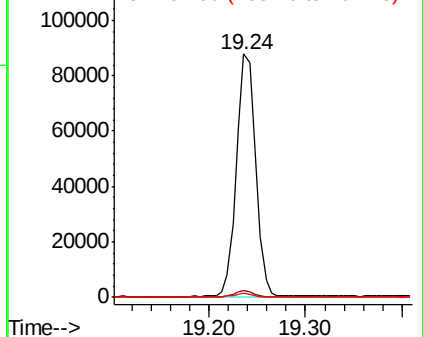
212 100

106 2.6 1.8 2.8

104 1.5 1.0 1.6



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: 0.450 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

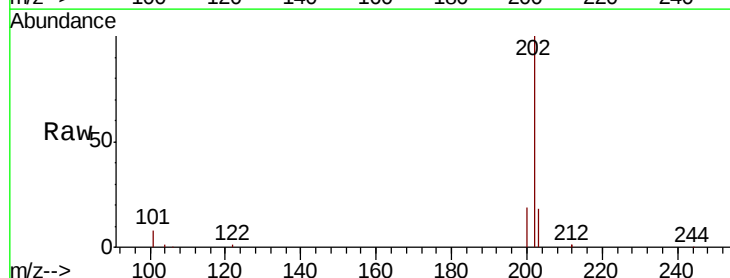
Tgt Ion:202 Resp: 46590

Ion Ratio Lower Upper

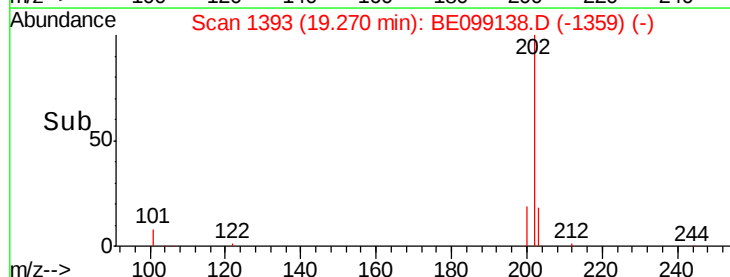
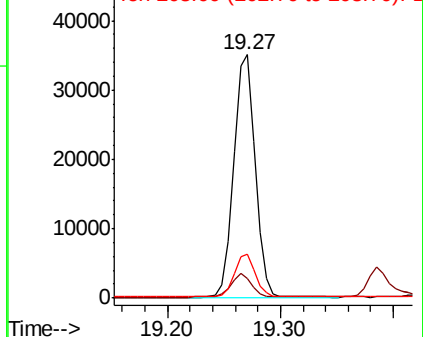
202 100

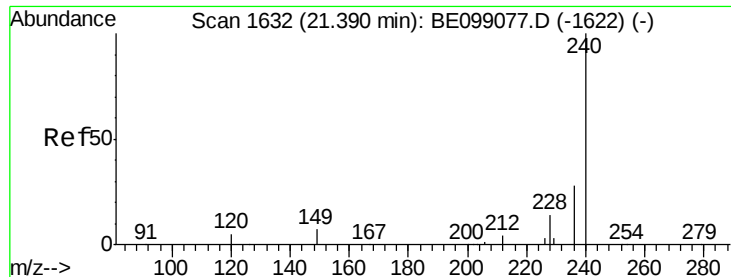
101 9.8 7.3 10.9

203 17.3 13.4 20.2



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: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

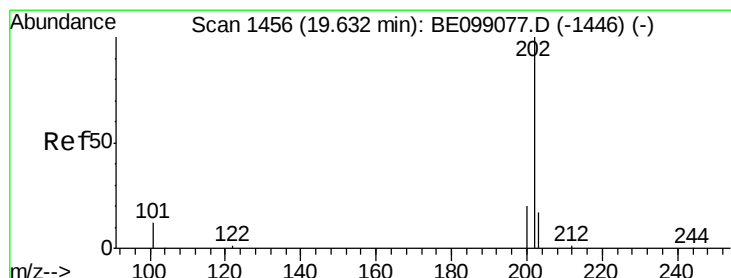
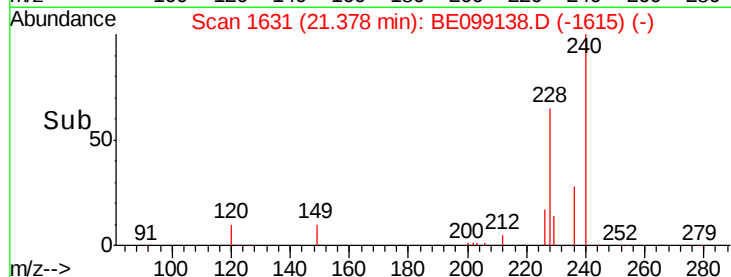
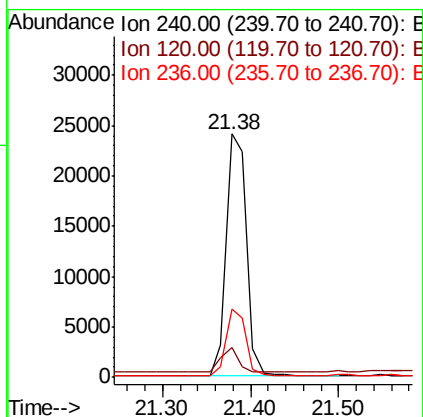
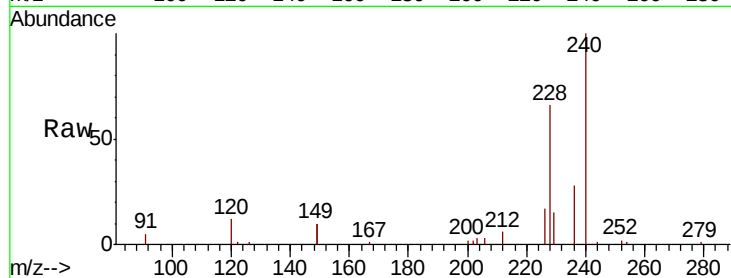
Tgt Ion:240 Resp: 38619

Ion Ratio Lower Upper

240 100

120 12.1 5.0 7.4#

236 28.2 22.7 34.1



#28

Pyrene

Concen: 0.378 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

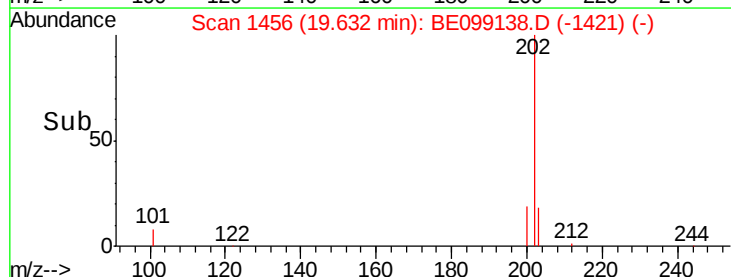
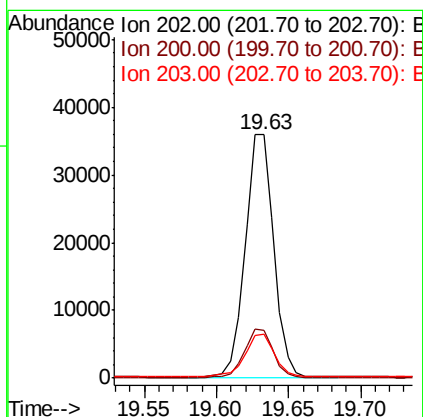
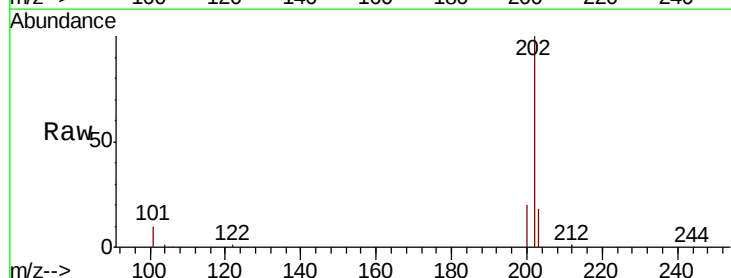
Tgt Ion:202 Resp: 49544

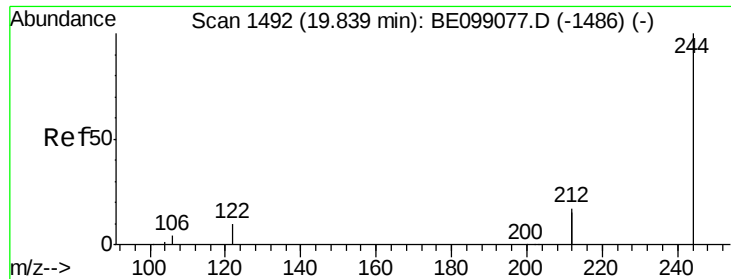
Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.6

203 18.5 14.2 21.2





#29

Terphenyl-d14

Concen: 0.302 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

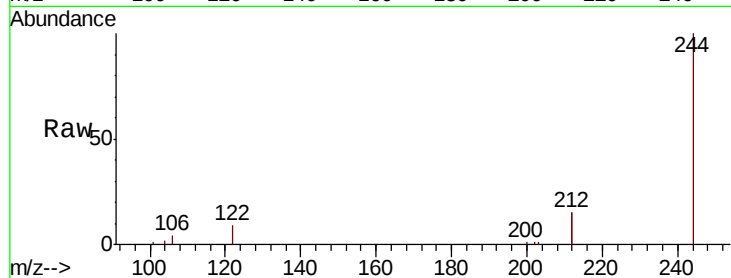
Tgt Ion:244 Resp: 24695

Ion Ratio Lower Upper

244 100

212 29.2 29.4 44.2#

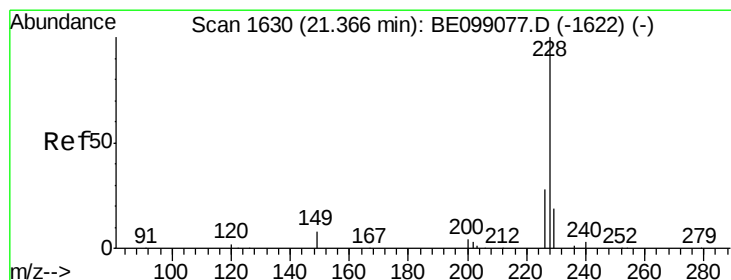
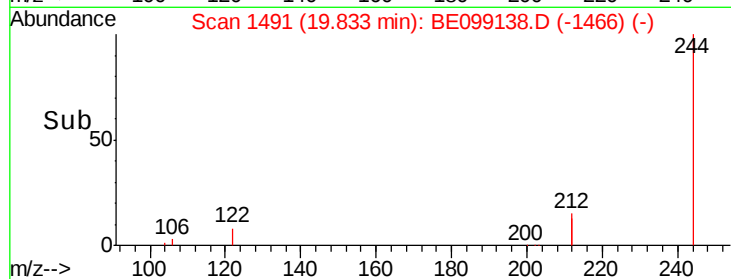
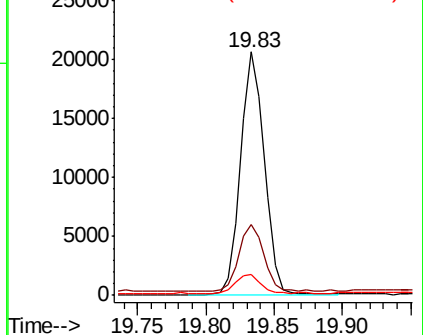
122 8.6 7.1 10.7



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: 0.378 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

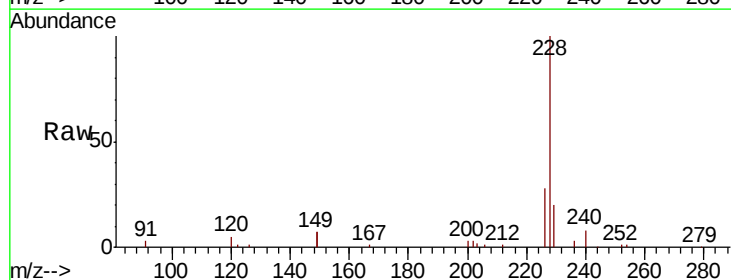
Tgt Ion:228 Resp: 51440

Ion Ratio Lower Upper

228 100

226 27.5 23.0 34.4

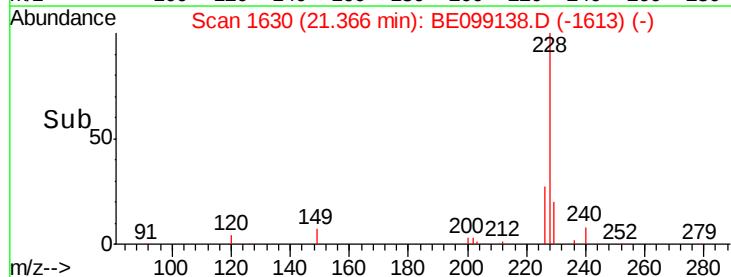
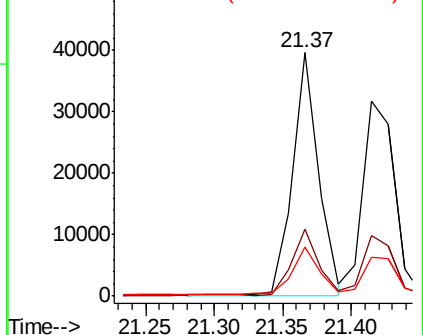
229 20.3 16.5 24.7

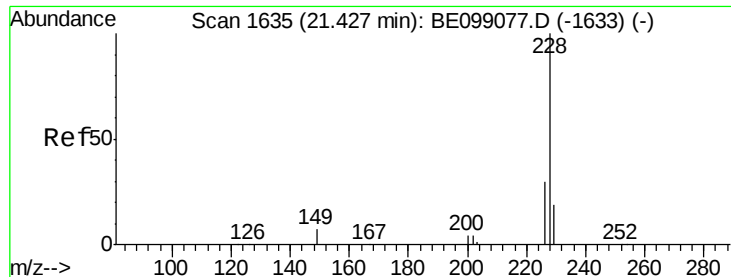


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.368 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

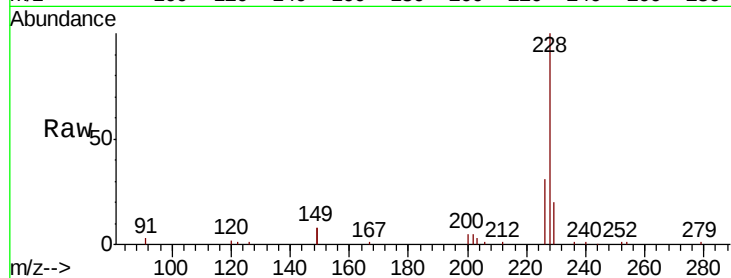
Tgt Ion: 228 Resp: 49998

Ion Ratio Lower Upper

228 100

226 31.1 23.7 35.5

229 20.0 16.1 24.1

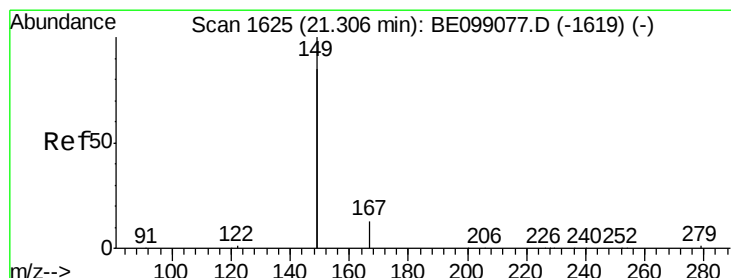
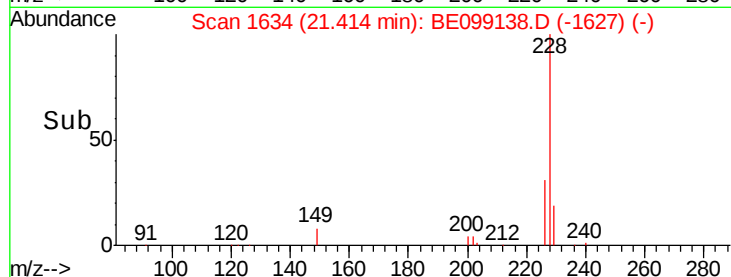
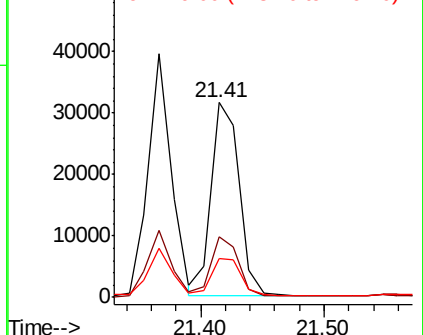


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.672 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

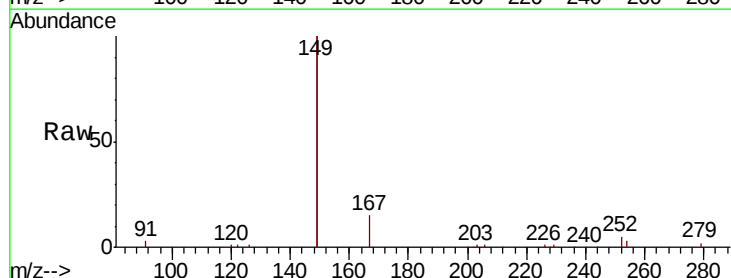
Tgt Ion: 149 Resp: 118652

Ion Ratio Lower Upper

149 100

167 7.3 5.4 8.0

279 1.1 1.0 1.4

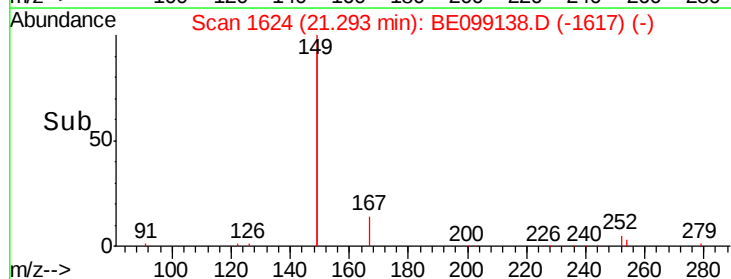
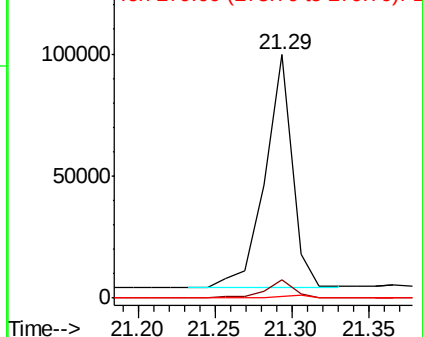


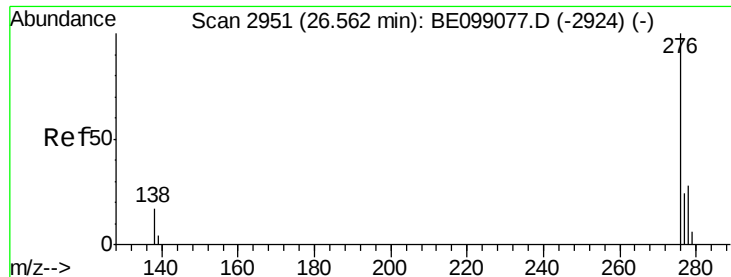
Abundance

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: 0.377 ng

RT: 26.54 min Scan# 2946

Delta R.T. -0.02 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

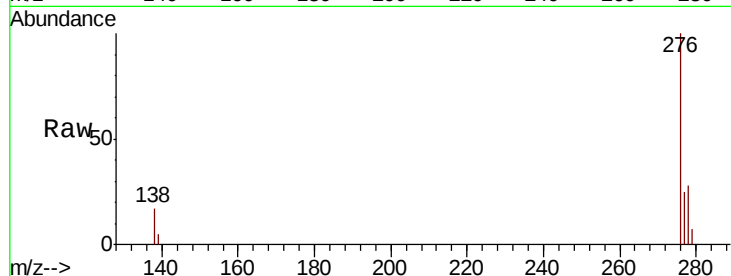
Tgt Ion:276 Resp: 55088

Ion Ratio Lower Upper

276 100

138 17.6 13.8 20.8

277 24.6 19.5 29.3

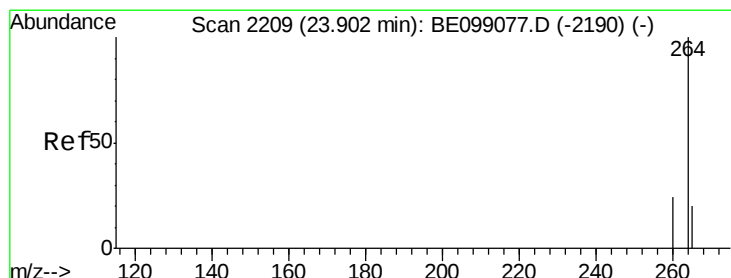
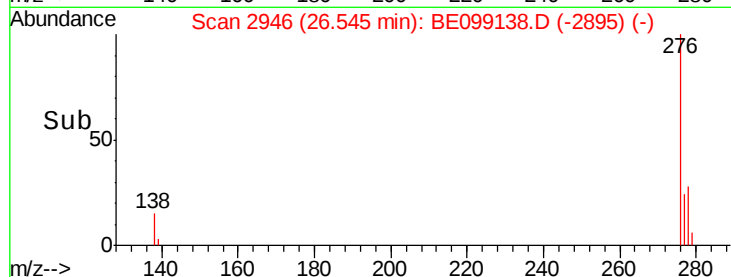
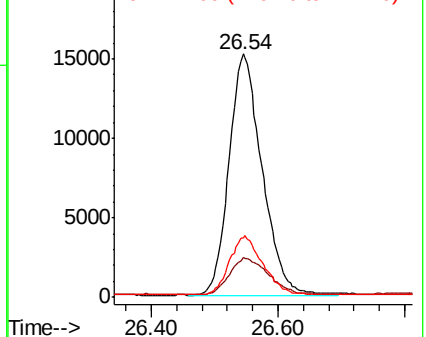


Abundance

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: 23.90 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

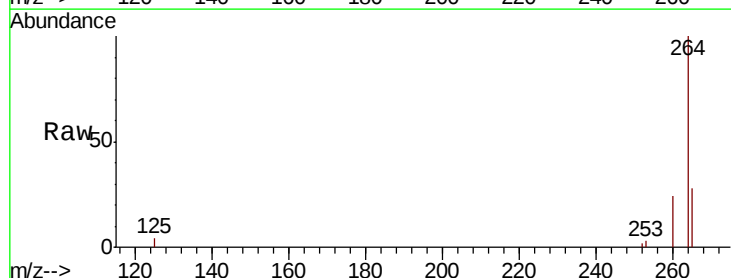
Tgt Ion:264 Resp: 42219

Ion Ratio Lower Upper

264 100

260 23.9 21.2 31.8

265 28.3 24.6 36.8

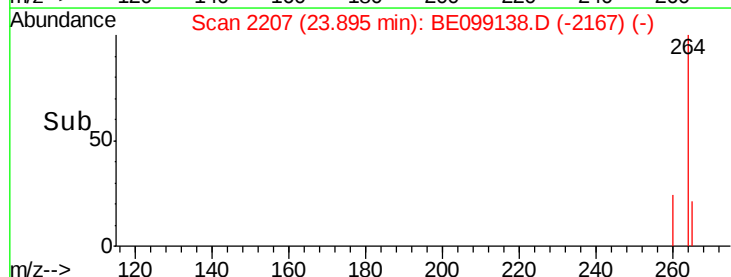
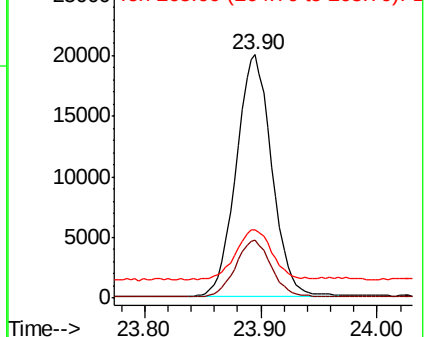


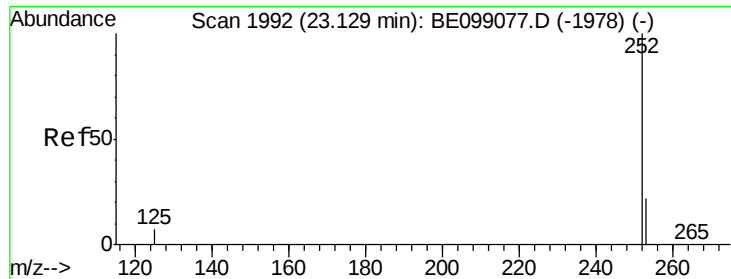
Abundance

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: 0.351 ng

RT: 23.17 min Scan# 2004

Delta R.T. 0.04 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

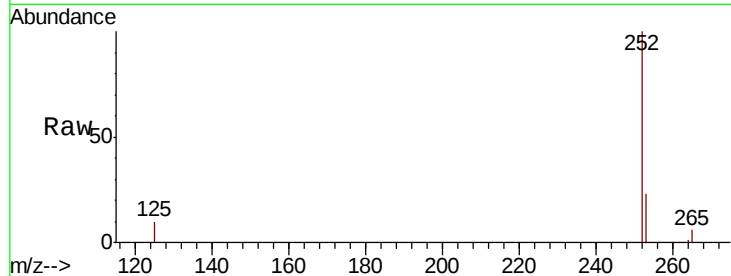
Tgt Ion:252 Resp: 51198

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

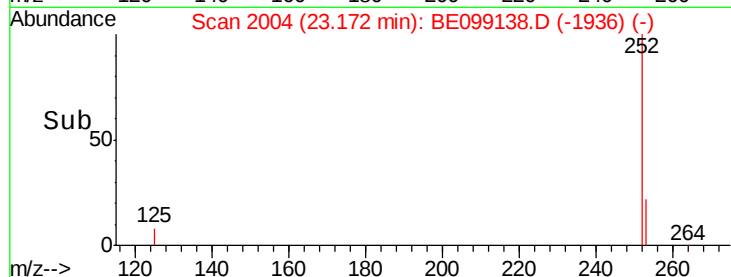
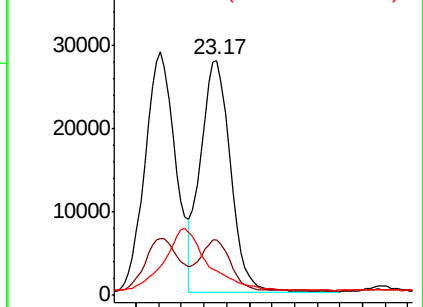
125 10.4 7.3 10.9



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: 0.359 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

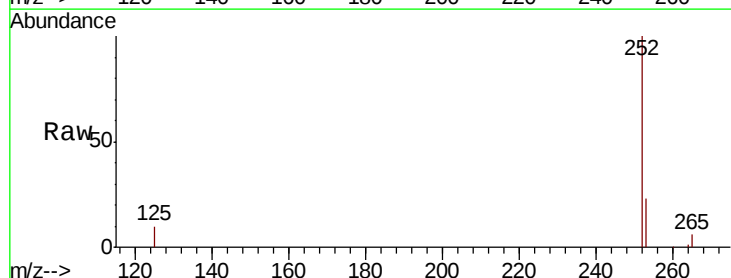
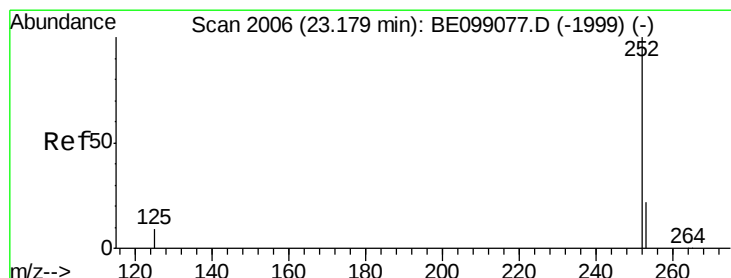
Tgt Ion:252 Resp: 51412

Ion Ratio Lower Upper

252 100

253 23.5 19.3 28.9

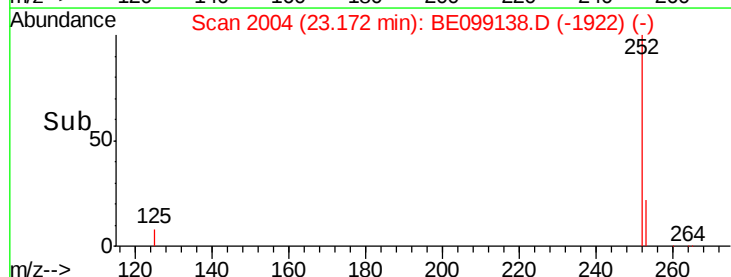
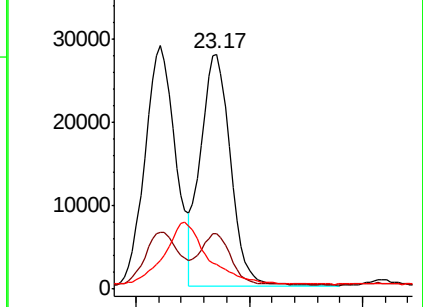
125 10.4 7.5 11.3

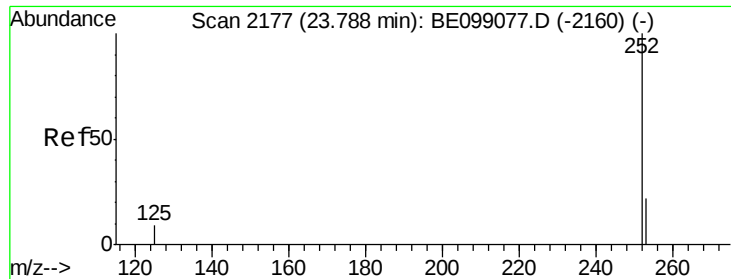


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.380 ng

RT: 23.78 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD

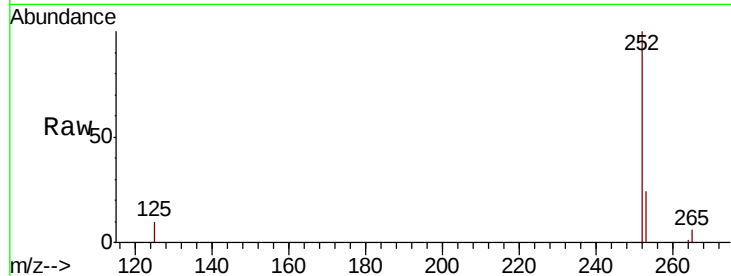
Tgt Ion:252 Resp: 51254

Ion Ratio Lower Upper

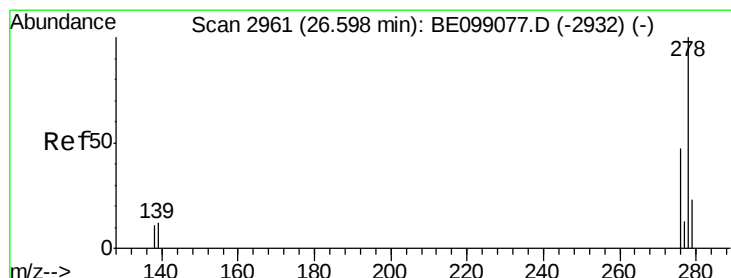
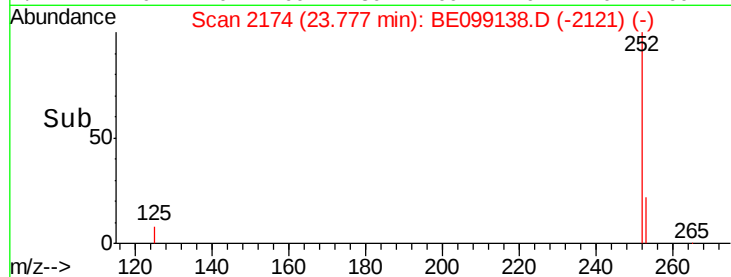
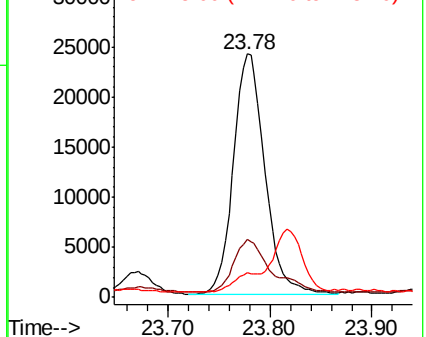
252 100

253 23.8 19.9 29.9

125 10.0 9.0 13.4



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: 0.326 ng

RT: 26.58 min Scan# 2956

Delta R.T. -0.02 min

Lab File: BE099138.D

Acq: 24 Mar 2019 8:04

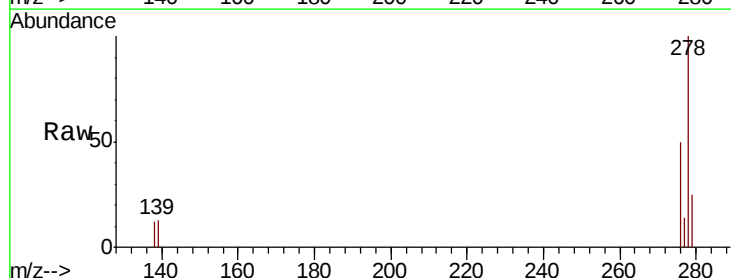
Tgt Ion:278 Resp: 42819

Ion Ratio Lower Upper

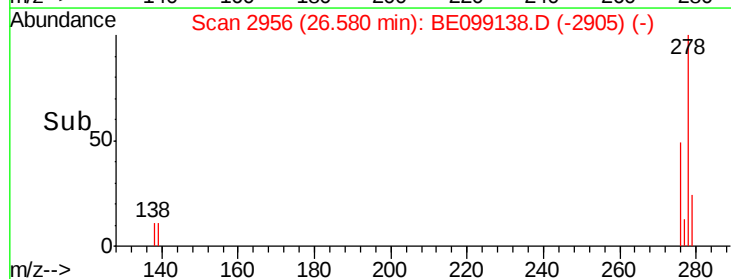
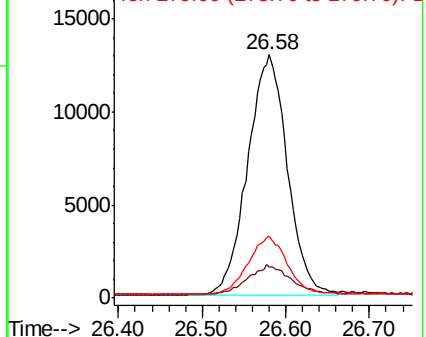
278 100

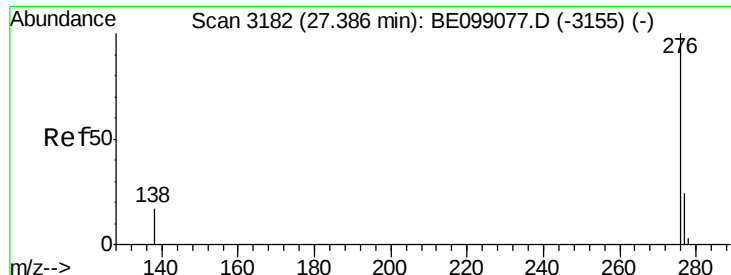
139 12.7 11.8 17.6

279 25.3 21.1 31.7



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(g,h,i)perylene

Concen: 0.350 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.02 min

Lab File: BE099138.D

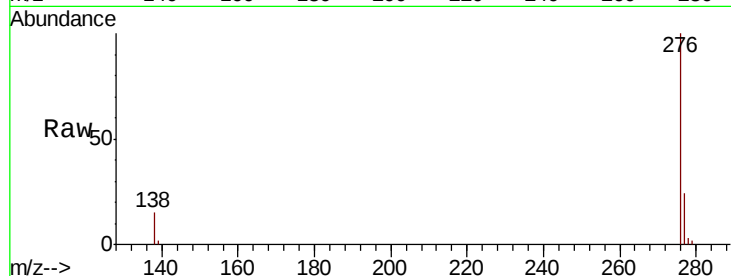
Acq: 24 Mar 2019 8:04

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MSD



Tgt Ion: 276 Resp: 47186

Ion Ratio Lower Upper

276 100

277 24.2 20.4 30.6

138 14.9 13.6 20.4

