

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
 Data File : BE099464.D
 Acq On : 1 May 2019 15:19
 Operator : JU/SJ
 Sample : K2589-15MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B186-042419MSD

Quant Time: May 02 04:13:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	89	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	265	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	147	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	369	0.40	ng	0.00
27) Chrysene-d12	21.37	240	396	0.40	ng	0.00
34) Perylene-d12	23.86	264	477	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	79	0.32	ng	0.00
5) Phenol-d6	6.97	99	89	0.27	ng	0.00
8) Nitrobenzene-d5	8.96	82	104	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	150	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	43	0.46	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	189	0.34	ng	-0.01
25) Fluoranthene-d10	19.22	212	1439	0.29	ng	0.00
29) Terphenyl-d14	19.81	244	323	0.45	ng	0.00

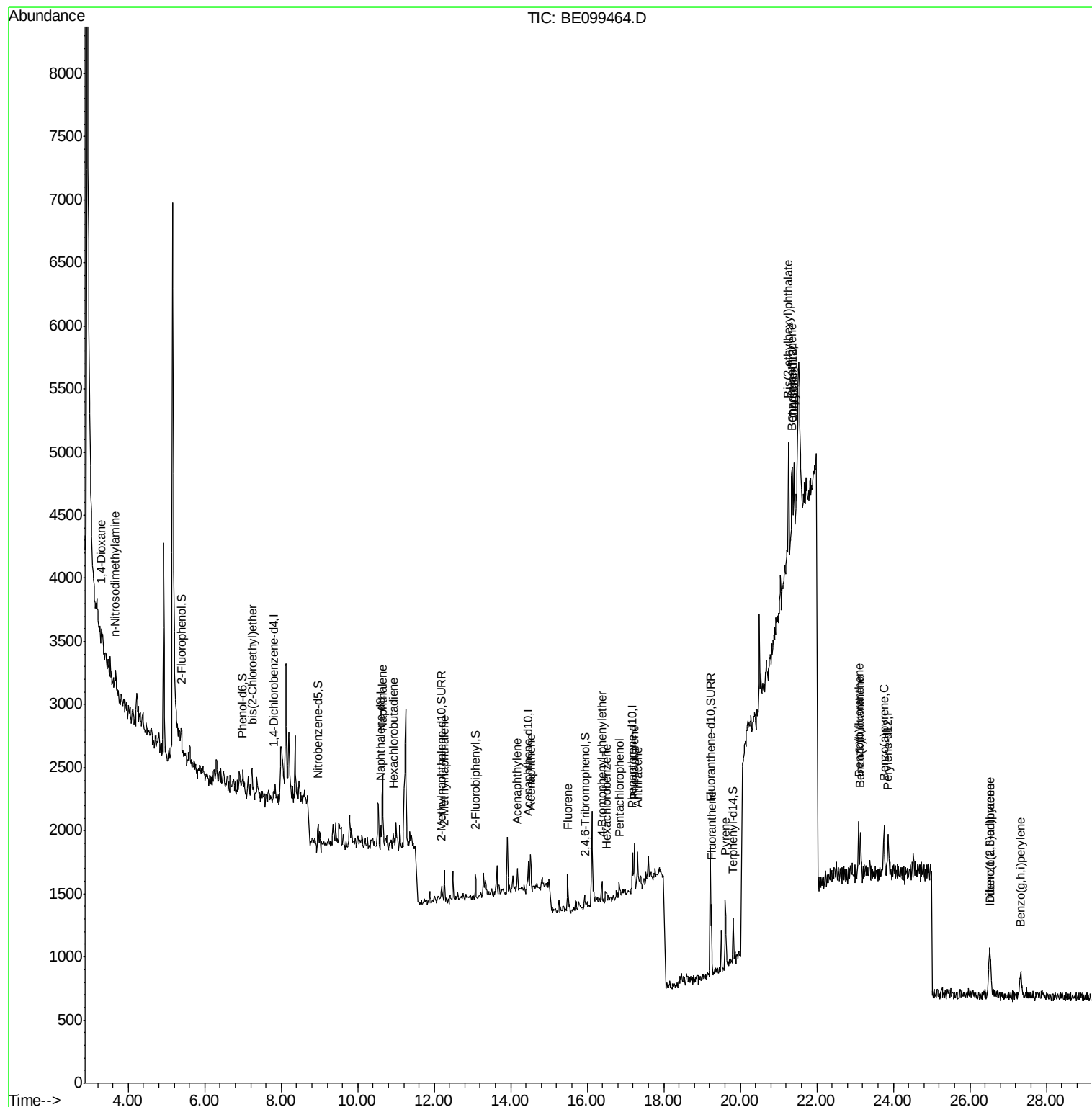
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	130	1.062	ng	# 1
3) n-Nitrosodimethylamine	3.66	42	41	0.556	ng	# 66
6) bis(2-Chloroethyl)ether	7.24	93	109	0.386	ng	# 86
9) Naphthalene	10.65	128	967	0.335	ng	# 83
10) Hexachlorobutadiene	10.93	225	63	0.314	ng	# 73
12) 2-Methylnaphthalene	12.27	142	192	0.382	ng	# 84
16) Acenaphthylene	14.17	152	293	0.407	ng	# 89
17) Acenaphthene	14.51	154	155	0.377	ng	# 95
18) Fluorene	15.49	166	202	0.333	ng	# 91
20) 4-Bromophenyl-phenylether	16.38	248	84	0.391	ng	# 62
21) Hexachlorobenzene	16.49	284	83	0.405	ng	# 85
22) Pentachlorophenol	16.84	266	66	0.752	ng	# 77
23) Phenanthrene	17.23	178	393	0.413	ng	# 74
24) Anthracene	17.32	178	310	0.342	ng	# 80
26) Fluoranthene	19.25	202	466	0.327	ng	# 85
28) Pyrene	19.61	202	546	0.529	ng	# 92
30) Benzo(a)anthracene	21.34	228	571	0.453	ng	# 47
31) Chrysene	21.40	228	509	0.412	ng	# 59
32) Bis(2-ethylhexyl)phthalate	21.26	149	1447	0.741	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.51	276	549	0.376	ng	# 65
35) Benzo(b)fluoranthene	23.10	252	527	0.383	ng	# 1
36) Benzo(k)fluoranthene	23.14	252	538	0.406	ng	# 1
37) Benzo(a)pyrene	23.75	252	494	0.380	ng	# 1
38) Dibenzo(a,h)anthracene	26.53	278	556	0.418	ng	# 1
39) Benzo(g,h,i)perylene	27.32	276	549	0.412	ng	# 16

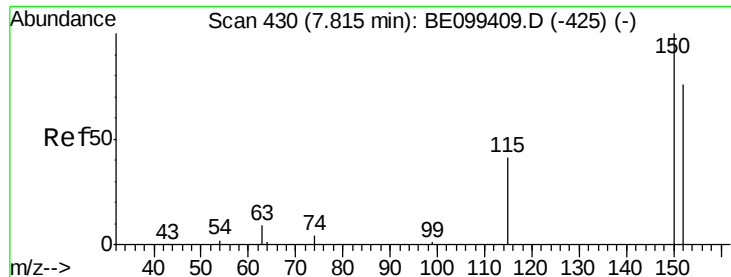
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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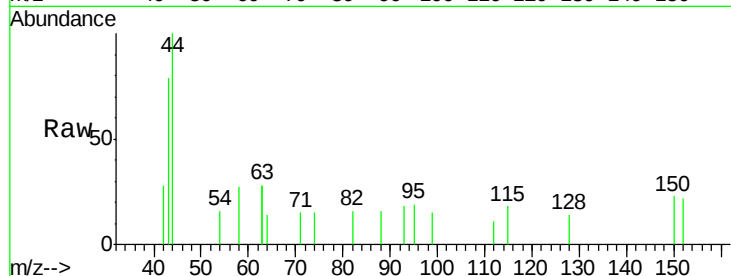


#1

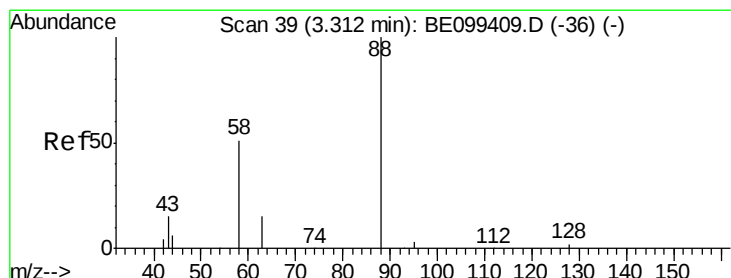
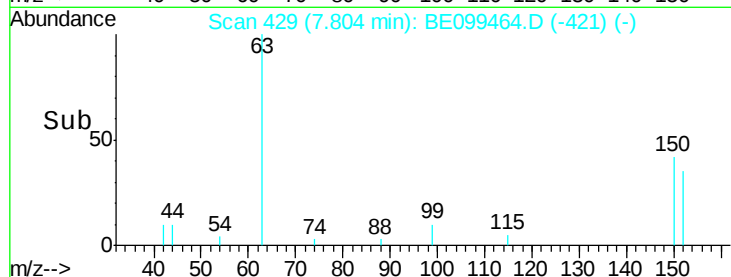
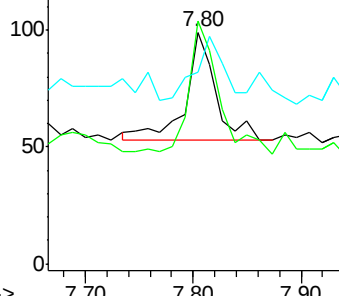
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099464.D
Acq: 1 May 2019 15:19

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419MSD

Tot Ion:152 Resp: 89
Ion Ratio Lower Upper
152 100
150 105.1 104.8 157.2
115 82.8 46.6 69.8#



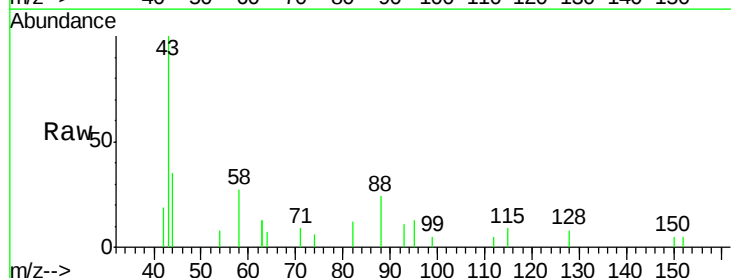
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



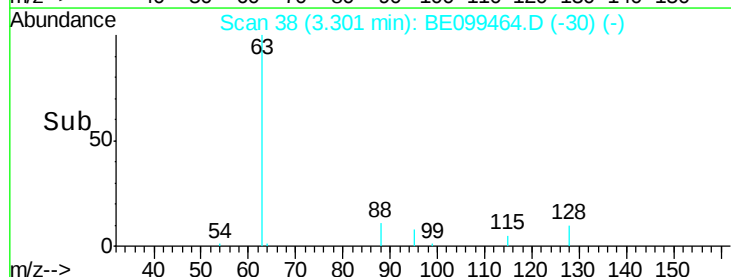
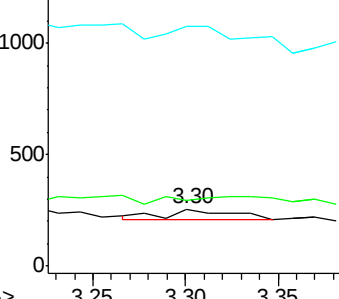
#2

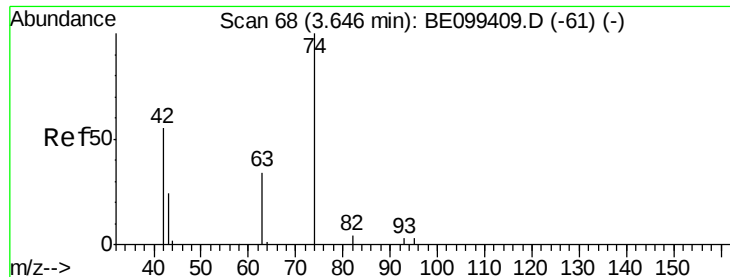
1,4-Dioxane
Concen: 1.062 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.01 min
Lab File: BE099464.D
Acq: 1 May 2019 15:19

Tgt Ion: 88 Resp: 130
Ion Ratio Lower Upper
88 100
58 106.9 51.0 76.6#
43 286.9 20.6 30.8#



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



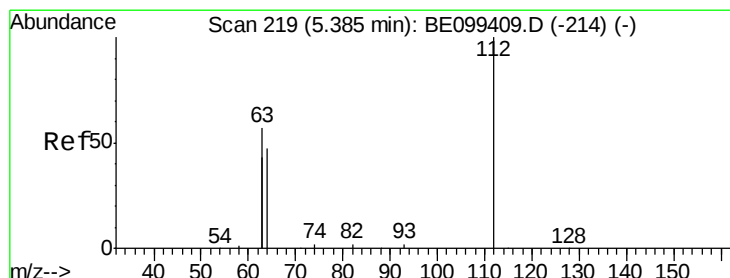
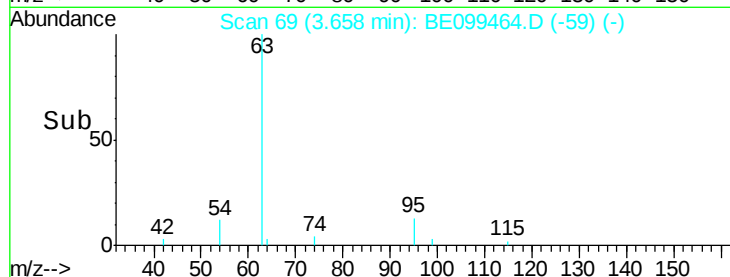
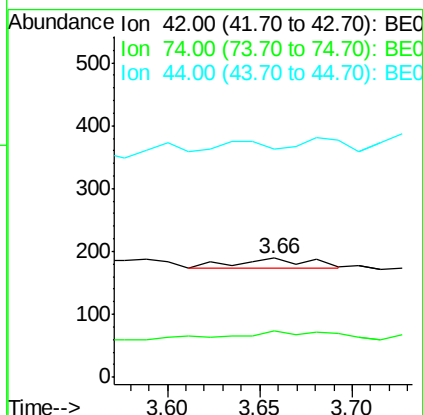
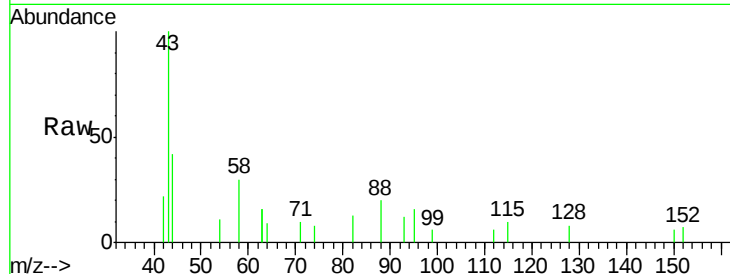


#3

n-Nitrosodimethylamine
 Concen: 0.556 ng
 RT: 3.66 min Scan# 69
 Delta R.T. 0.01 min
 Lab File: BE099464.D
 Acq: 1 May 2019 15:19

Instrument :
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 ClientSampleId :
 PST-001-B186-042419MSD

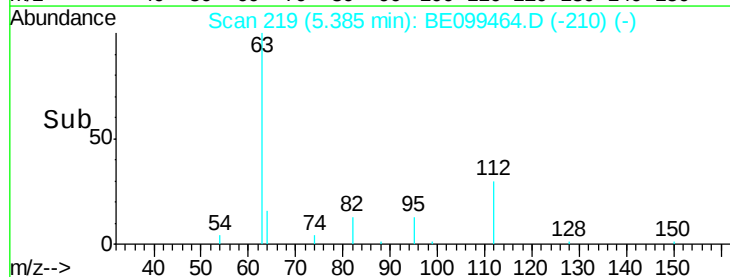
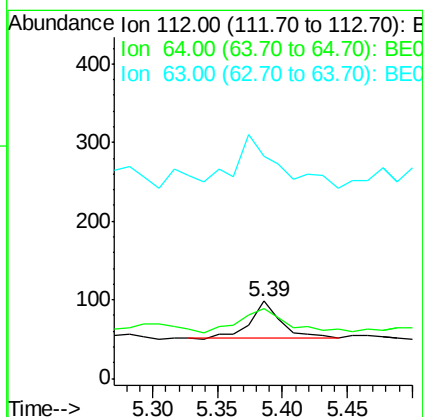
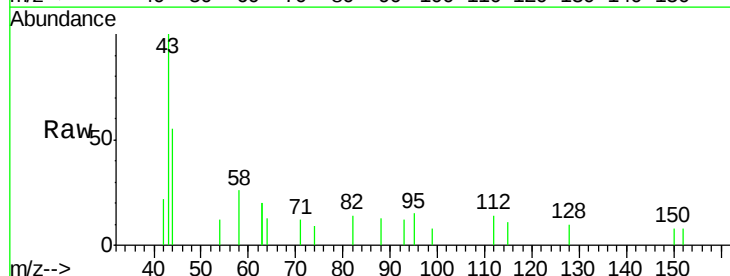
Tot Ion	42	Resp	41
Ion Ratio	Lower	Upper	
42	100		
74	129.3	141.6	212.4#
44	0.0	0.0	0.0

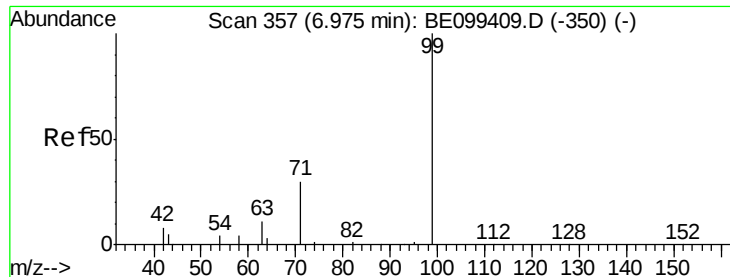


#4

2-Fluorophenol
 Concen: 0.321 ng
 RT: 5.39 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: BE099464.D
 Acq: 1 May 2019 15:19

Tgt Ion	112	Resp	79
Ion Ratio	Lower	Upper	
112	100		
64	97.5	47.4	71.0#
63	193.7	104.3	156.5#





#5

Phenol-d6

Concen: 0.272 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

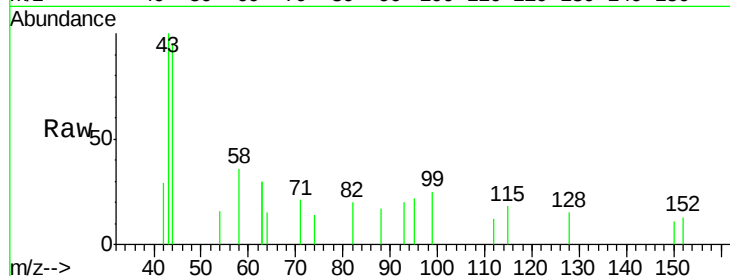
Tot Ion: 99 Resp: 89

Ion Ratio Lower Upper

99 100

42 0.0 14.9 22.3#

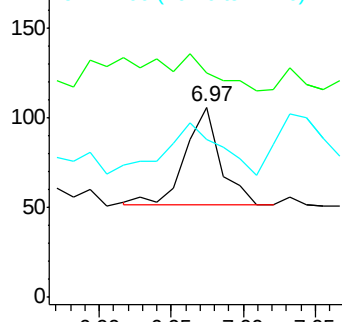
71 84.3 33.0 49.6#



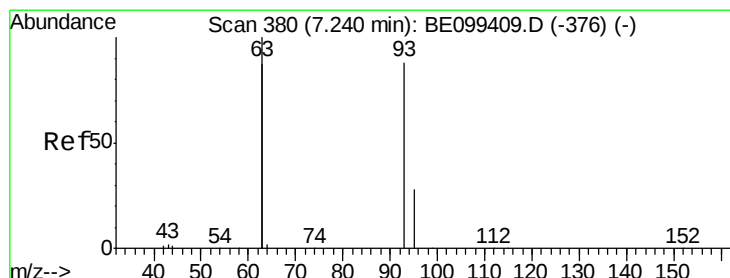
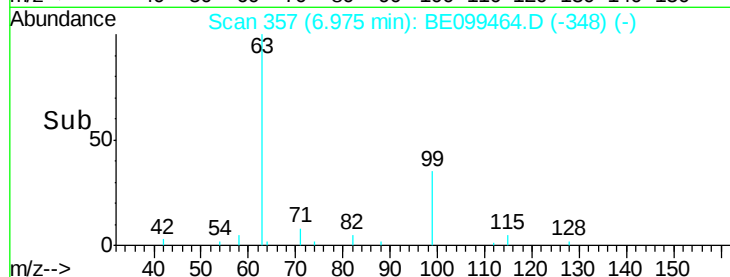
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.386 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

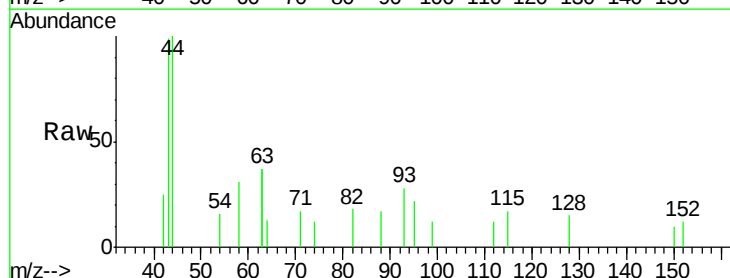
Tgt Ion: 93 Resp: 109

Ion Ratio Lower Upper

93 100

63 288.1 215.6 323.4

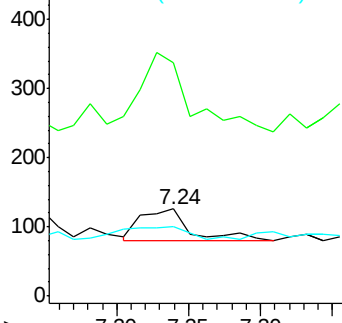
95 57.8 26.2 39.2#



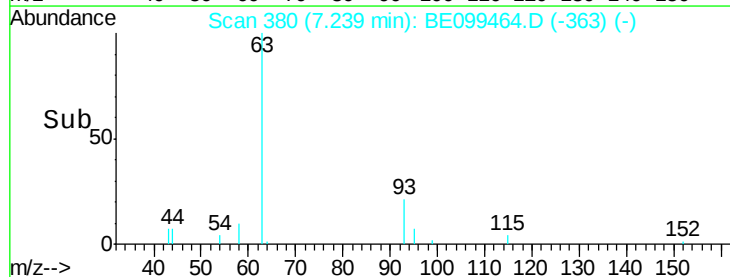
Abundance Ion 93.00 (92.70 to 93.70): BE0

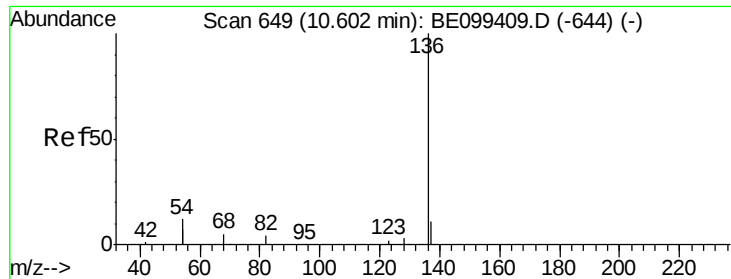
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

Tot Ion:136 Resp: 265

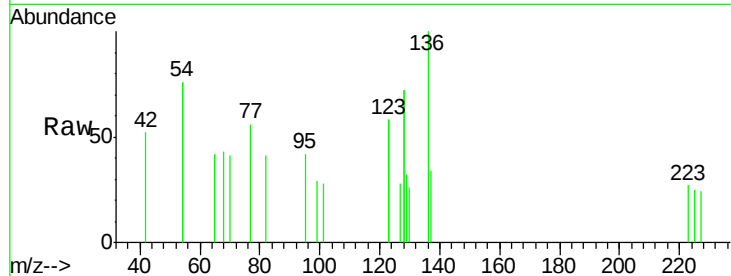
Ion Ratio Lower Upper

136 100

137 34.4 9.8 14.8#

54 151.3 18.5 27.7#

68 42.9 4.7 7.1#

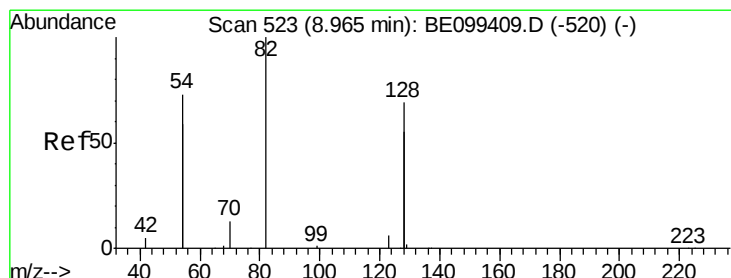
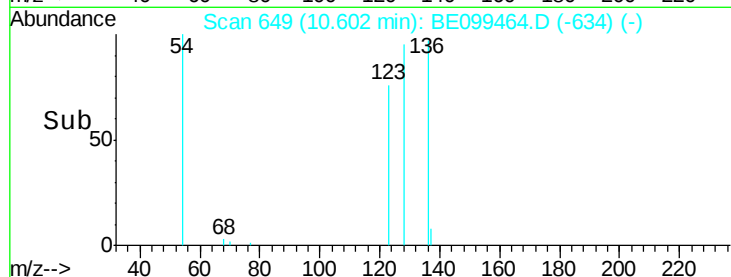
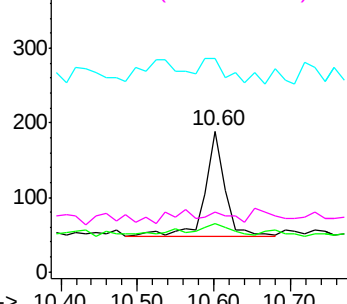


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.419 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

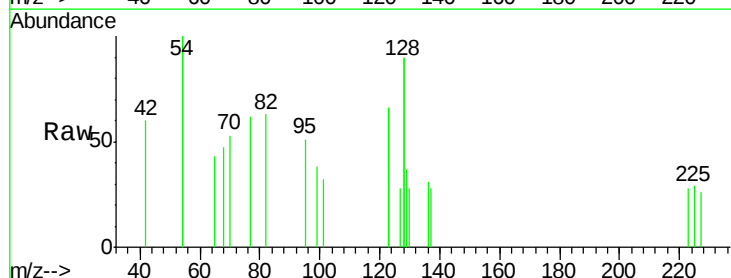
Tgt Ion: 82 Resp: 104

Ion Ratio Lower Upper

82 100

128 282.6 107.0 160.4#

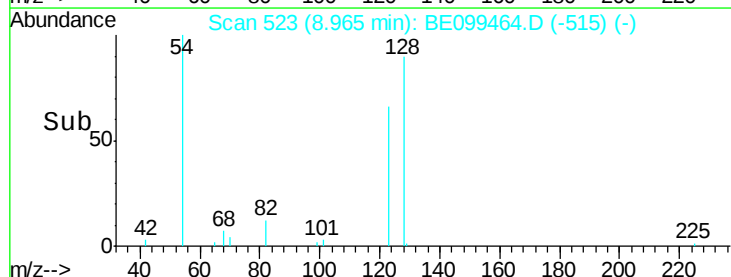
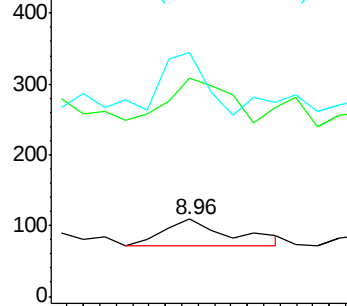
54 315.6 113.1 169.7#

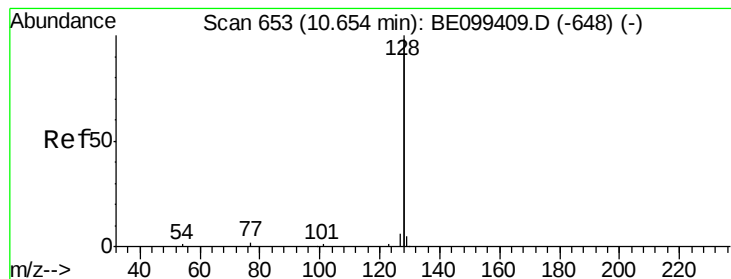


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.335 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

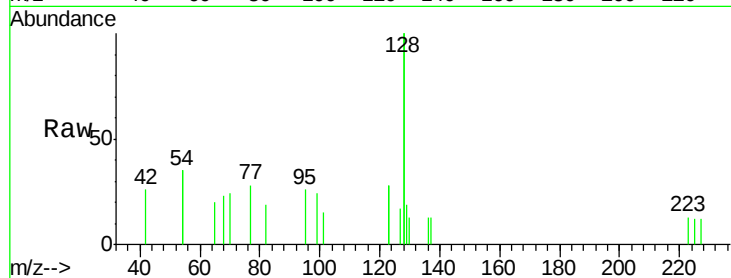
Tot Ion:128 Resp: 967

Ion Ratio Lower Upper

128 100

129 9.5 2.4 3.6#

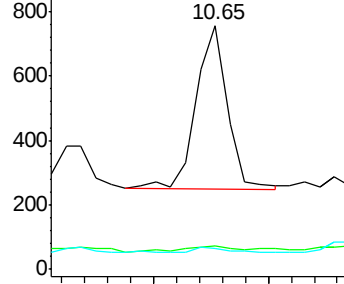
127 8.6 2.8 4.2#



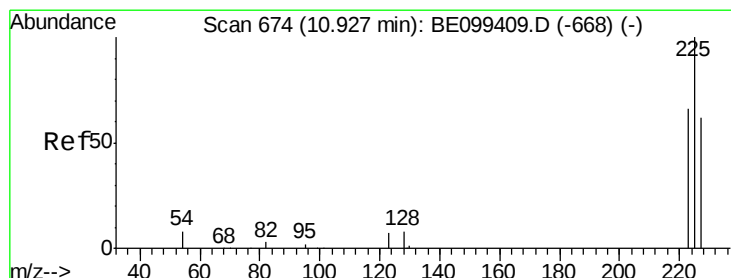
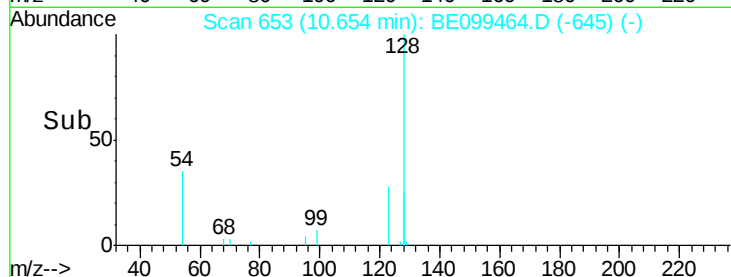
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#10

Hexachlorobutadiene

Concen: 0.314 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

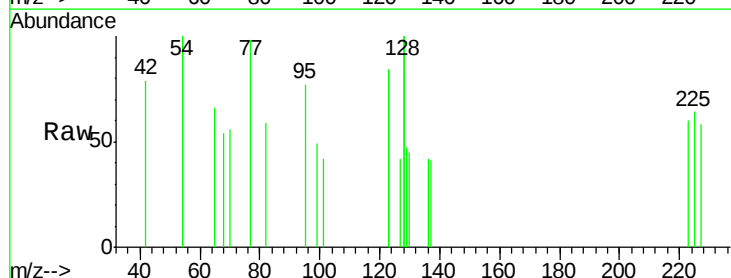
Tgt Ion:225 Resp: 63

Ion Ratio Lower Upper

225 100

223 76.2 51.0 76.6

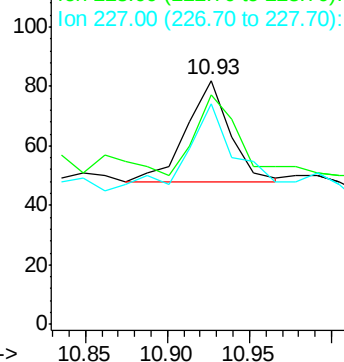
227 93.7 50.9 76.3#



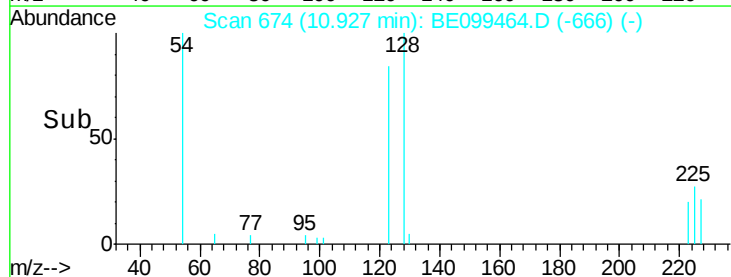
Abundance Ion 225.00 (224.70 to 225.70): E

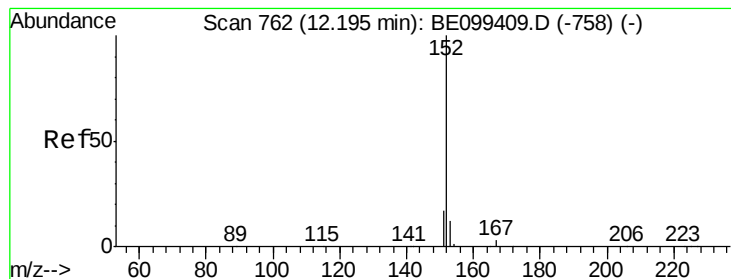
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



Time-->

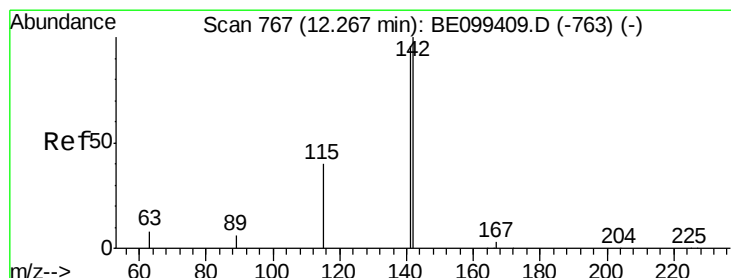
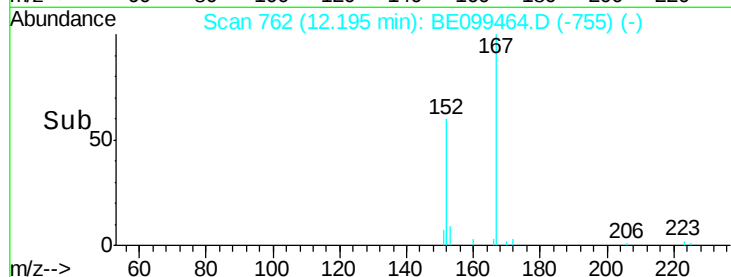
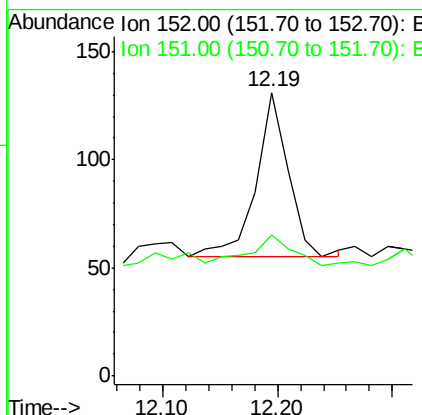
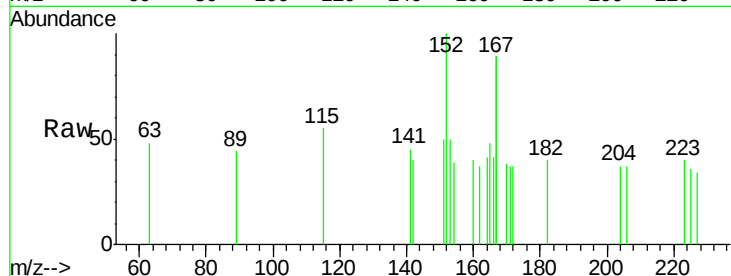




#11
2-Methylnaphthalene-d10
Concen: 0.314 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099464.D
Acq: 1 May 2019 15:19

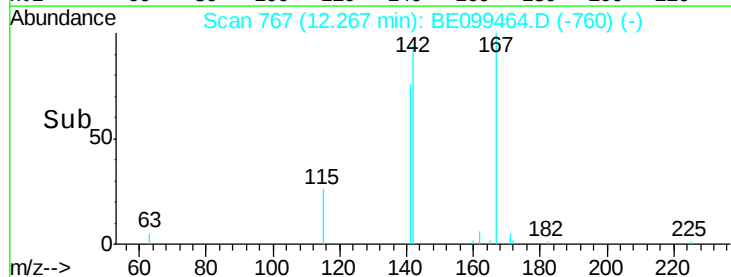
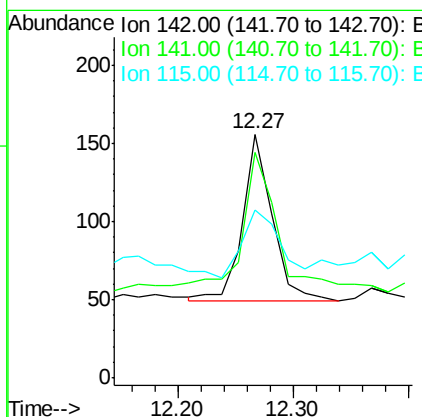
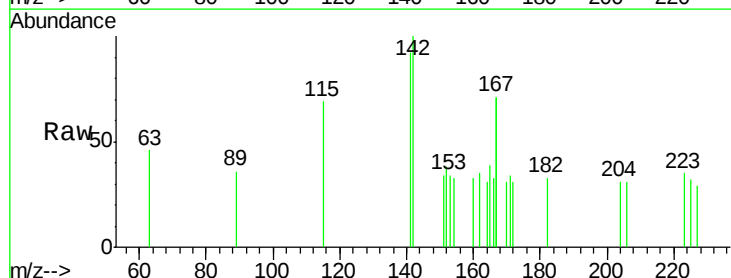
Instrument :
BNA_E
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PST-001-B186-042419MSD

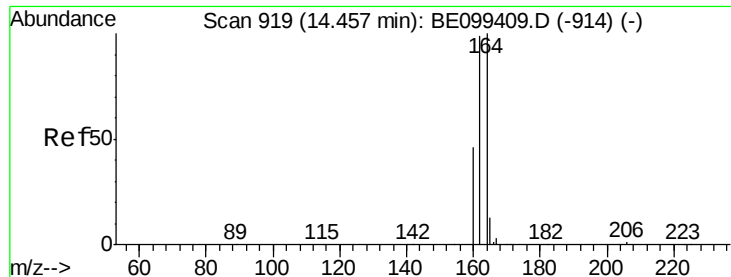
Tot Ion:152 Resp: 150
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3



#12
2-Methylnaphthalene
Concen: 0.382 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099464.D
Acq: 1 May 2019 15:19

Tgt Ion:142 Resp: 192
Ion Ratio Lower Upper
142 100
141 92.3 77.0 115.4
115 68.6 33.4 50.0#

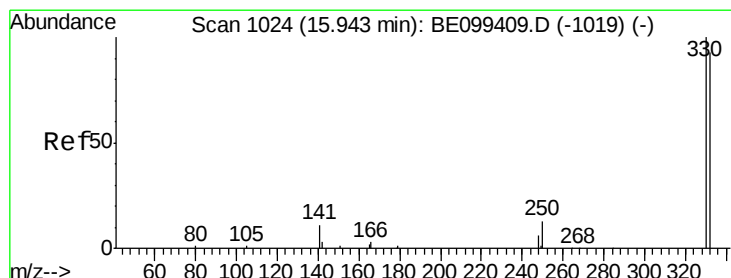
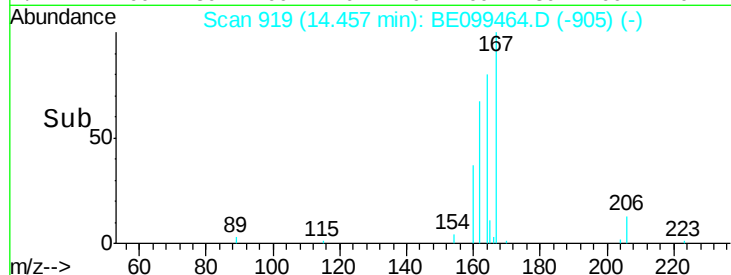
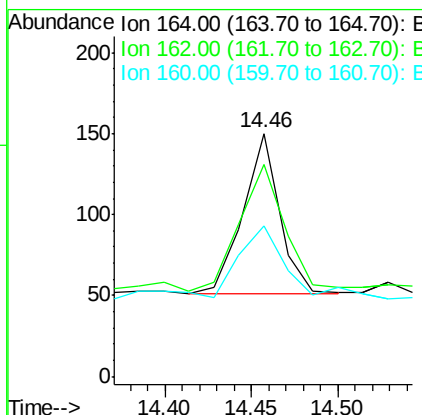
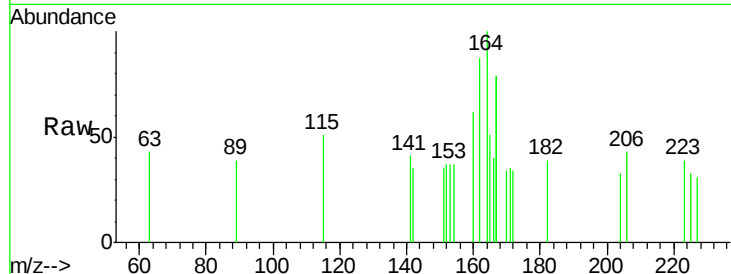




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099464.D
 Acq: 1 May 2019 15:19

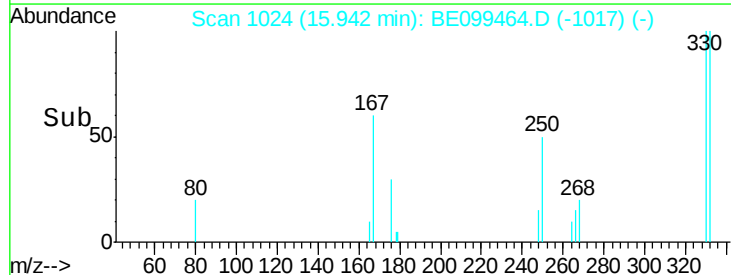
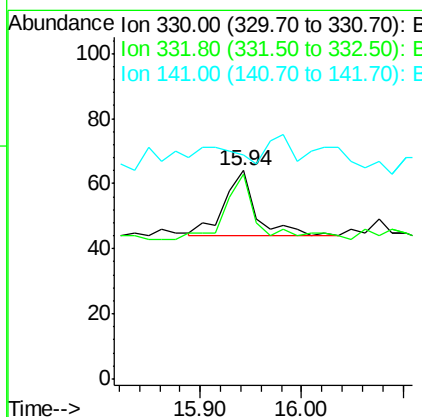
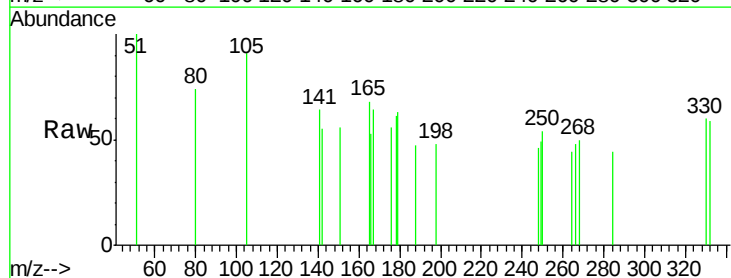
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B186-042419MSD

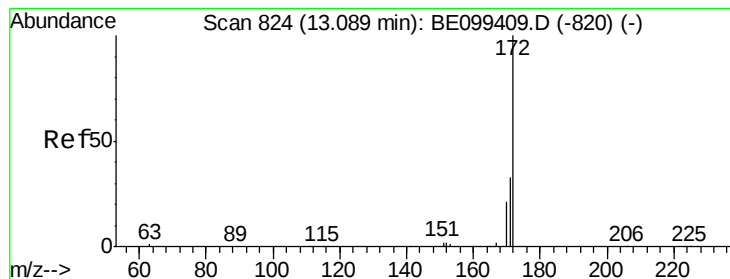
Tot Ion:164 Resp: 147
 Ion Ratio Lower Upper
 164 100
 162 87.3 79.0 118.4
 160 62.0 37.0 55.4#



#14
 2,4,6-Tribromophenol
 Concen: 0.464 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099464.D
 Acq: 1 May 2019 15:19

Tgt Ion:330 Resp: 43
 Ion Ratio Lower Upper
 330 100
 332 100.0 71.5 107.3
 141 0.0 24.0 36.0#





#15

2-Fluorobiphenyl

Concen: 0.337 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

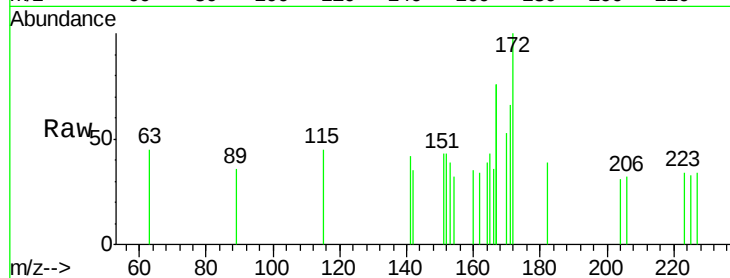
Tot Ion:172 Resp: 189

Ion Ratio Lower Upper

172 100

171 65.5 26.6 39.8#

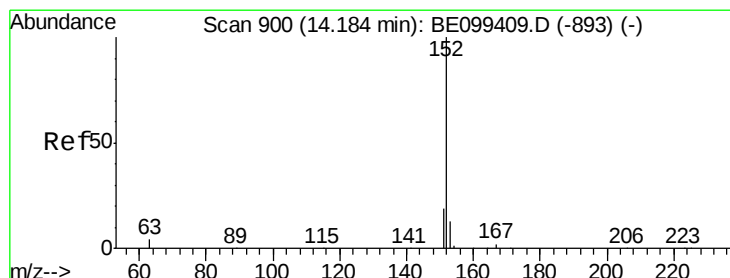
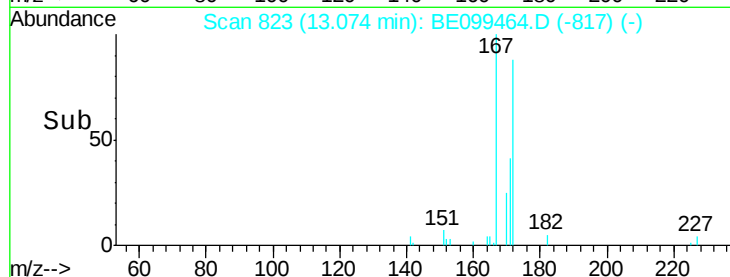
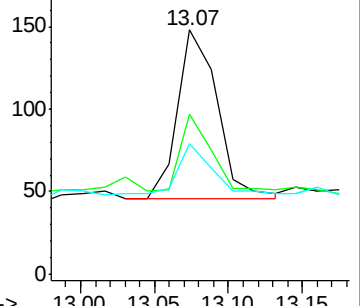
170 53.4 17.0 25.6#



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: 0.407 ng

RT: 14.17 min Scan# 899

Delta R.T. -0.01 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

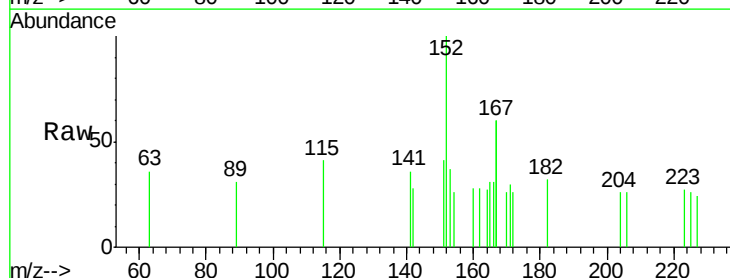
Tgt Ion:152 Resp: 293

Ion Ratio Lower Upper

152 100

151 25.6 15.4 23.2#

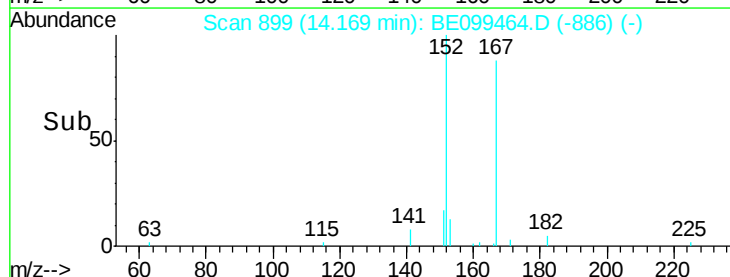
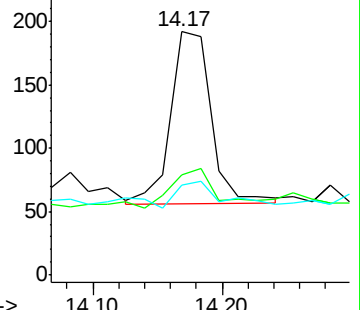
153 15.0 9.8 14.6#

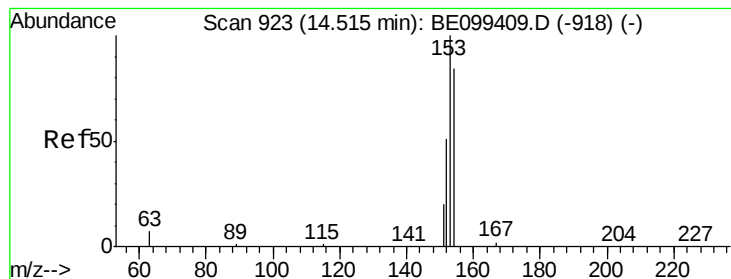


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.377 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

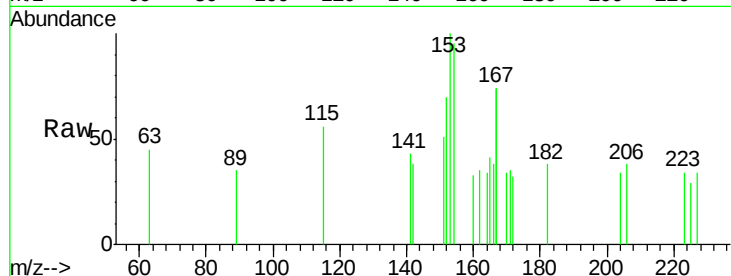
Tot Ion:154 Resp: 155

Ion Ratio Lower Upper

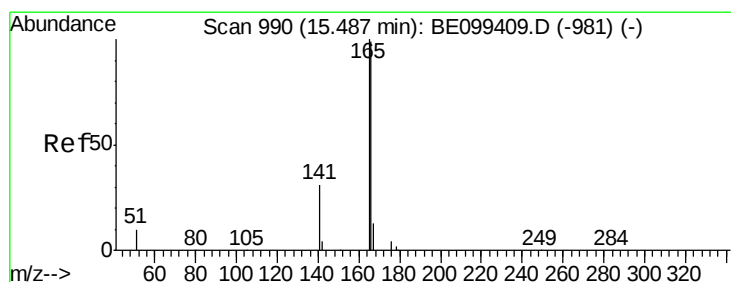
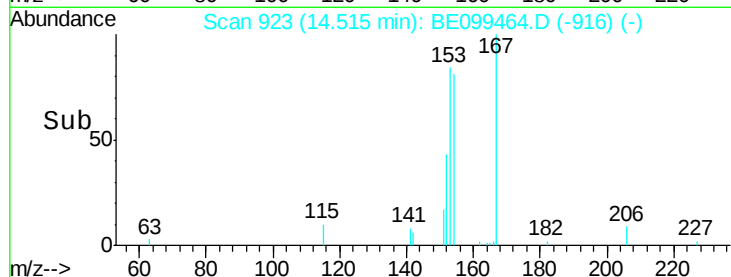
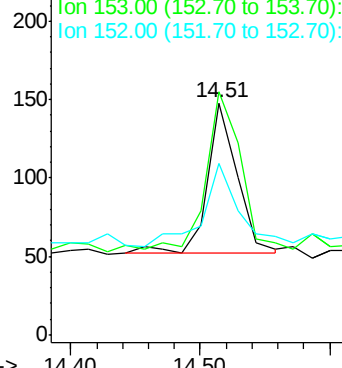
154 100

153 114.8 92.6 138.8

152 67.1 45.8 68.8



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: 0.333 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

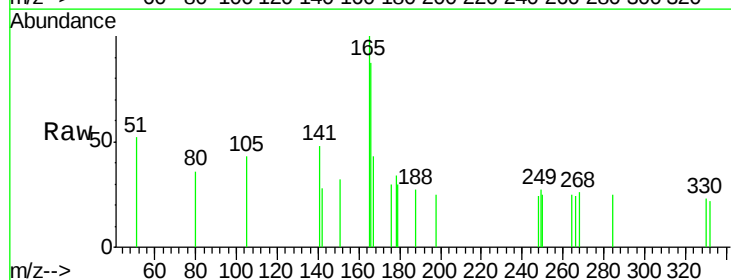
Tgt Ion:166 Resp: 202

Ion Ratio Lower Upper

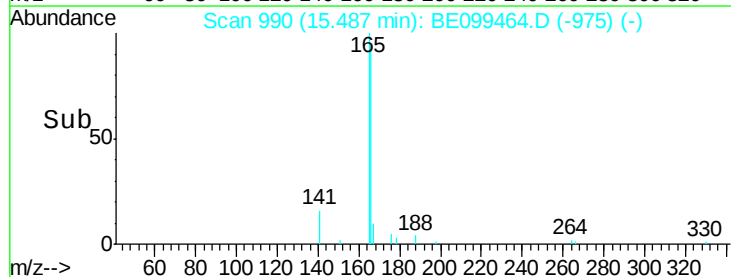
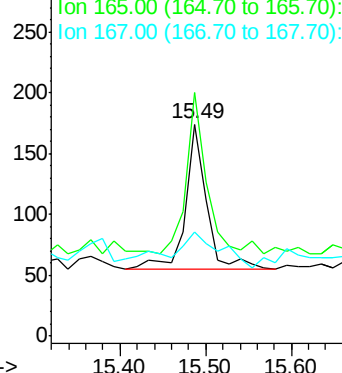
166 100

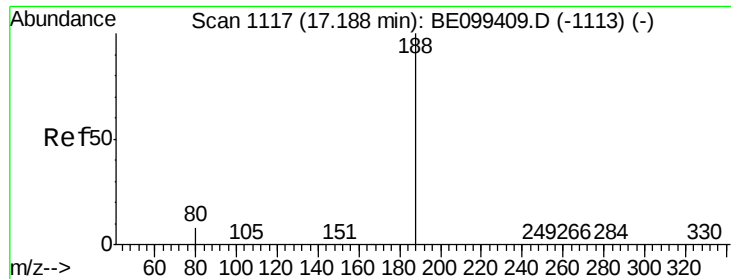
165 99.5 80.3 120.5

167 42.6 10.7 16.1#



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: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

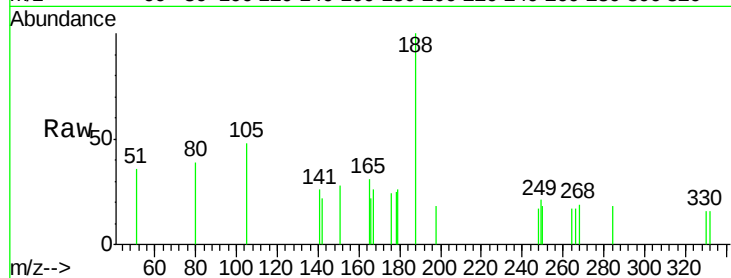
Tot Ion:188 Resp: 369

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

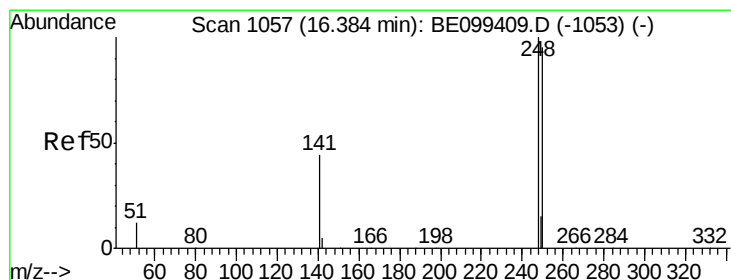
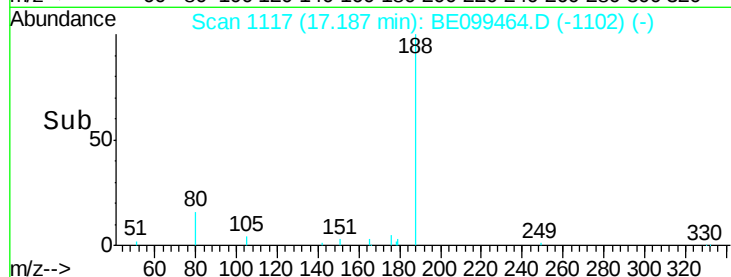
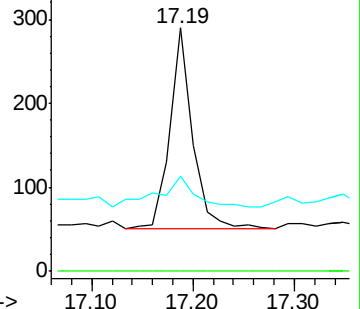
80 39.0 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.391 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

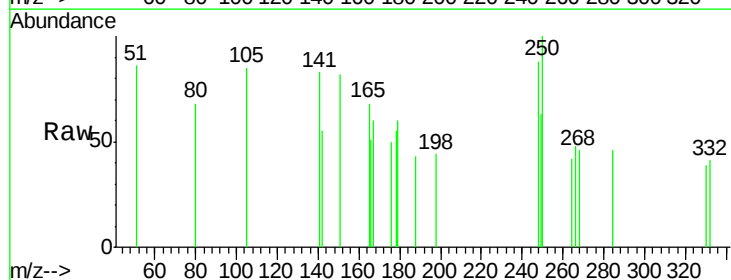
Tgt Ion:248 Resp: 84

Ion Ratio Lower Upper

248 100

250 114.0 75.8 113.8#

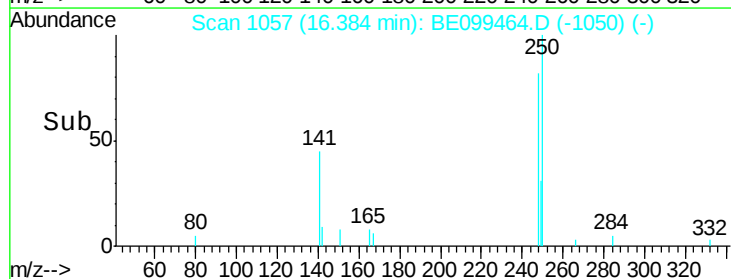
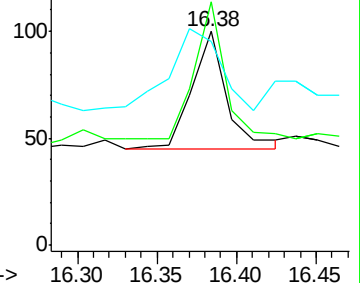
141 95.0 35.7 53.5#

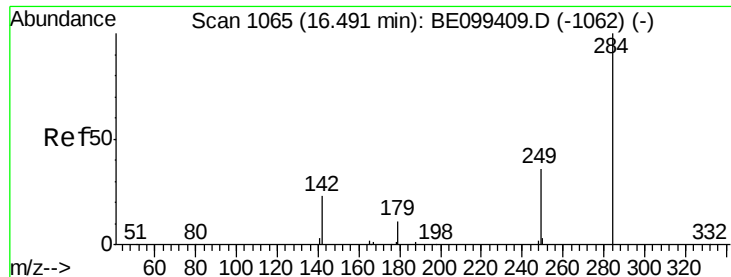


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.405 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

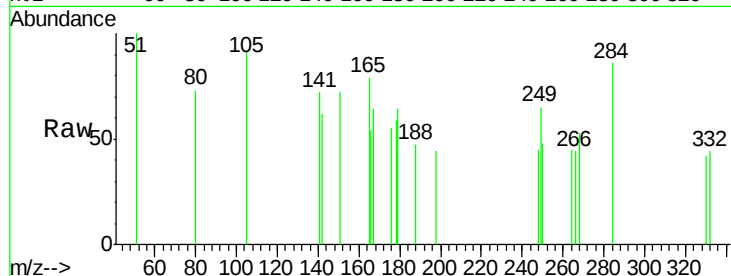
Tot Ion:284 Resp: 83

Ion Ratio Lower Upper

284 100

142 33.7 21.0 31.6#

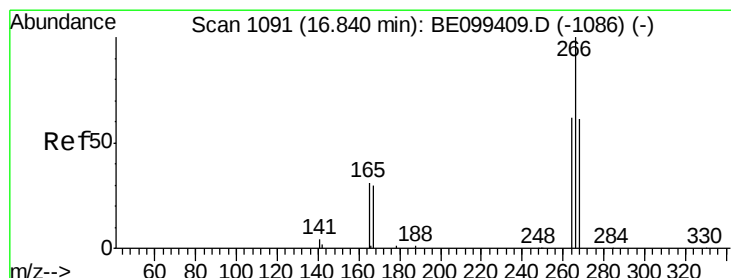
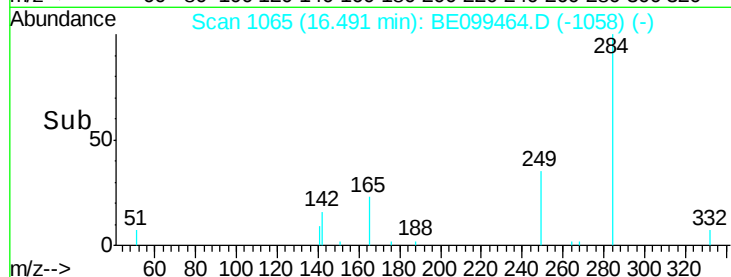
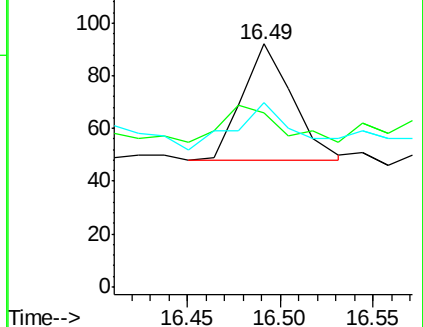
249 42.2 26.7 40.1#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.752 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

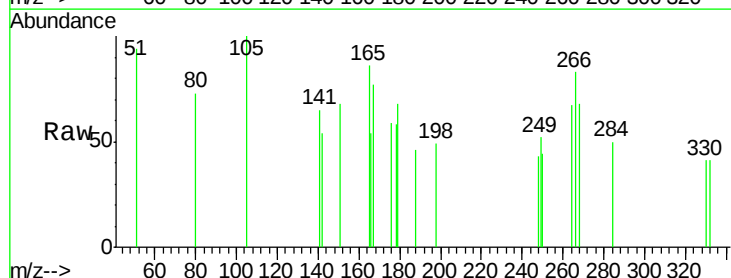
Tgt Ion:266 Resp: 66

Ion Ratio Lower Upper

266 100

264 80.4 50.8 76.2#

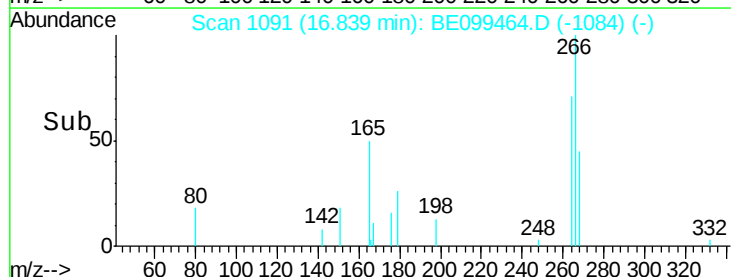
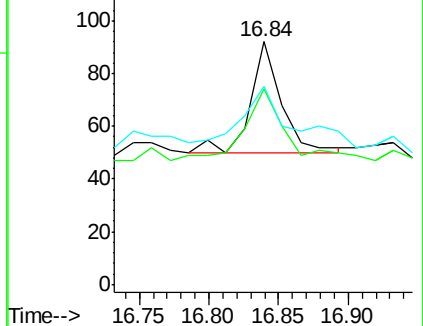
268 81.5 50.5 75.7#

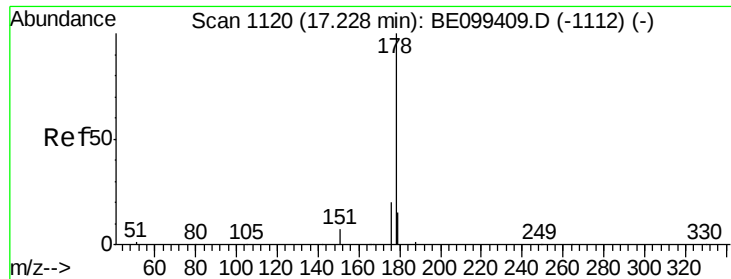


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.413 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

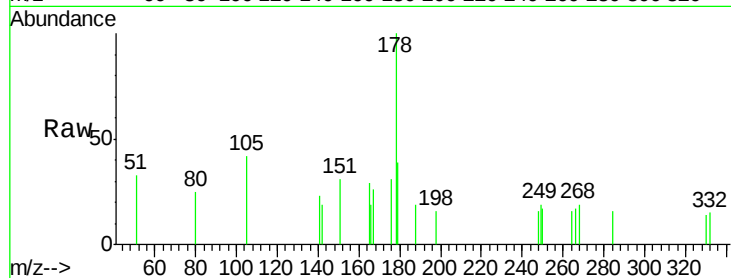
Tot Ion:178 Resp: 393

Ion Ratio Lower Upper

178 100

176 31.6 15.6 23.4#

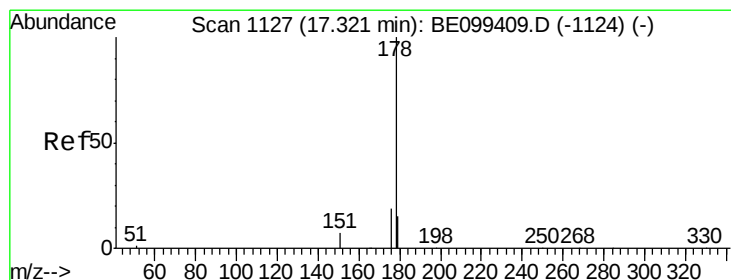
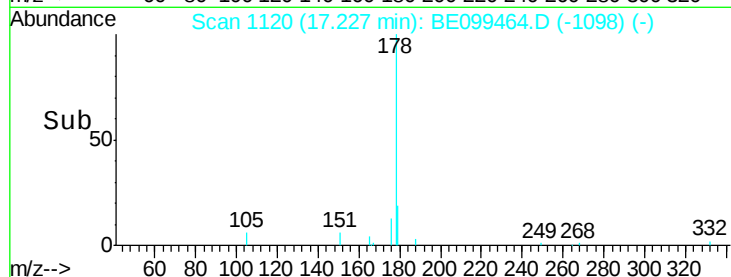
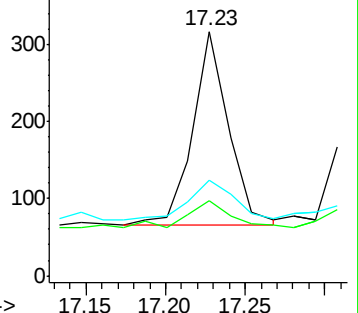
179 26.0 12.0 18.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.342 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

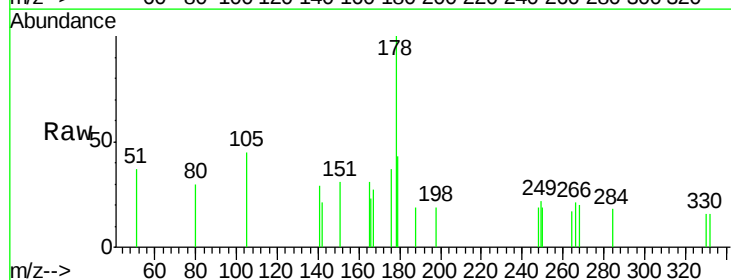
Tgt Ion:178 Resp: 310

Ion Ratio Lower Upper

178 100

176 24.5 14.9 22.3#

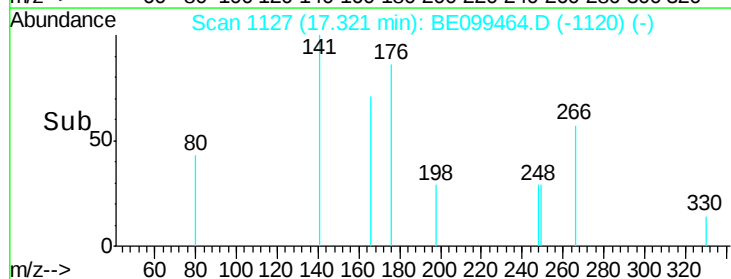
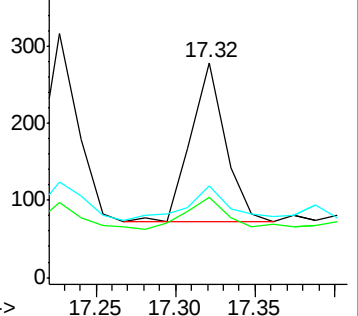
179 27.1 11.9 17.9#

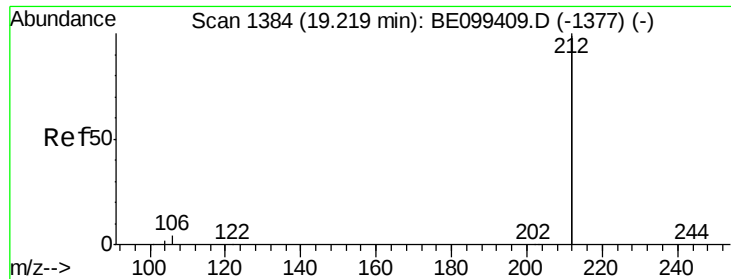


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.289 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

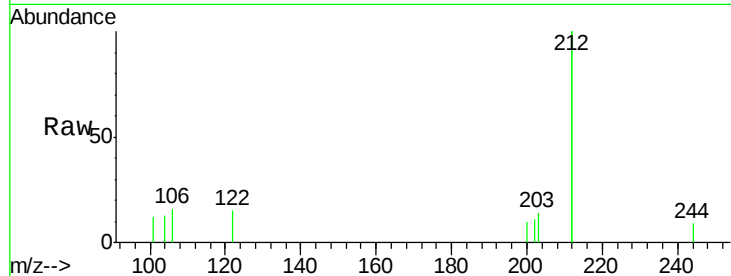
Tot Ion:212 Resp: 1439

Ion Ratio Lower Upper

212 100

106 2.8 1.5 2.3#

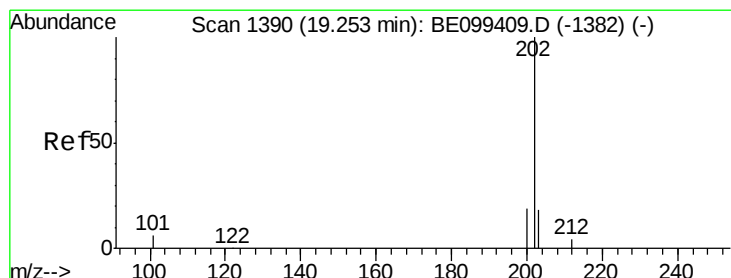
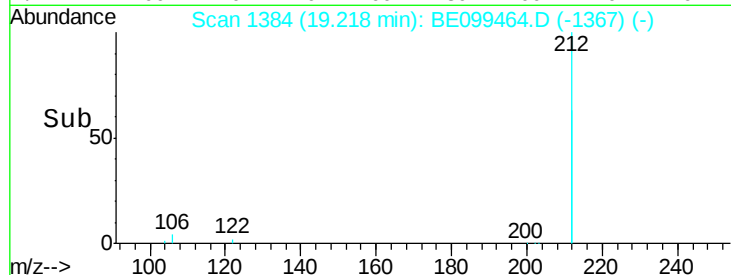
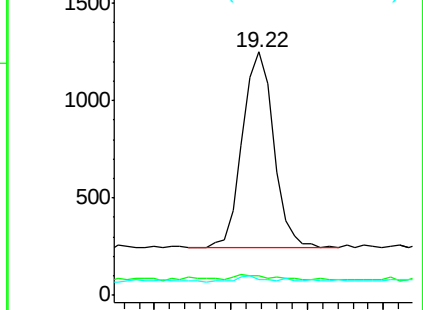
104 2.6 0.9 1.3#



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: 0.327 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

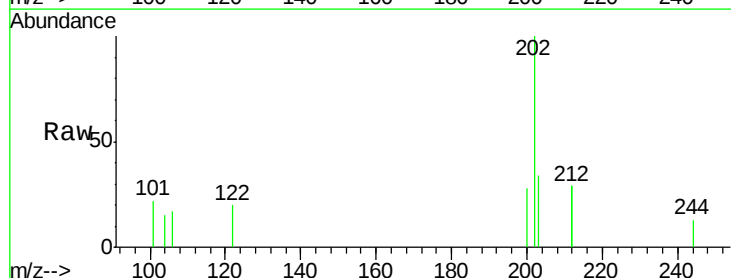
Tgt Ion:202 Resp: 466

Ion Ratio Lower Upper

202 100

101 13.9 5.4 8.0#

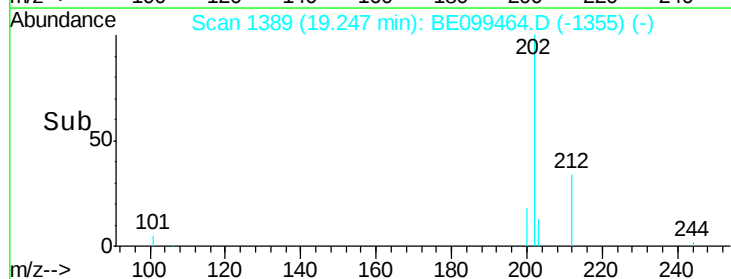
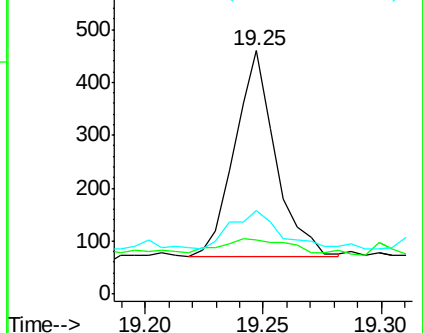
203 23.0 13.9 20.9#

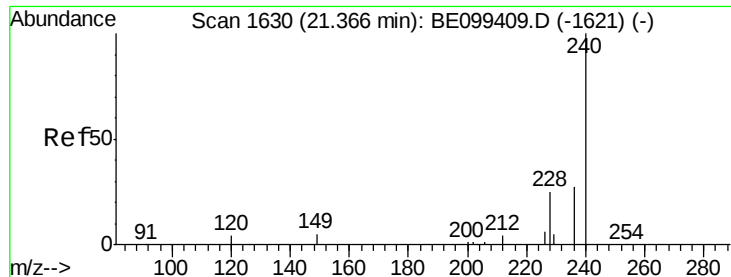


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

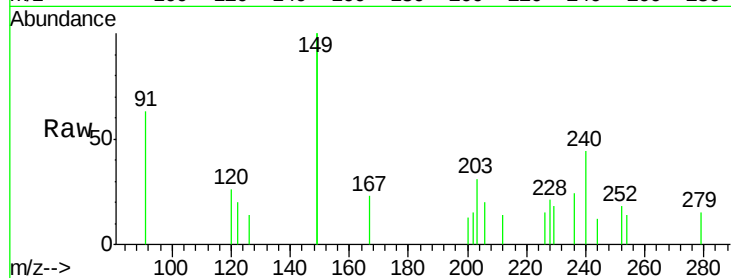
Tot Ion:240 Resp: 396

Ion Ratio Lower Upper

240 100

120 58.0 4.0 6.0#

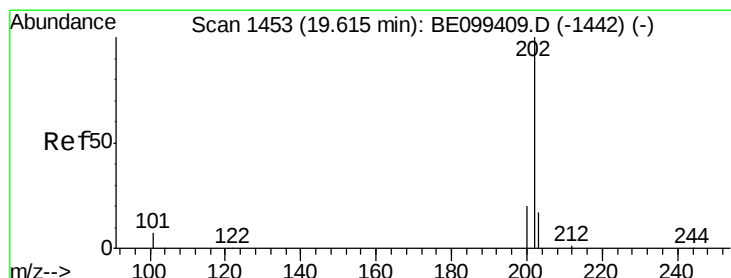
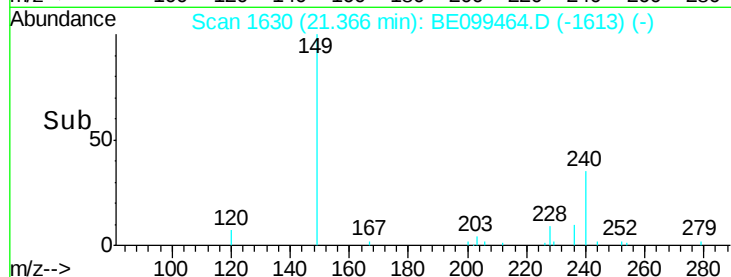
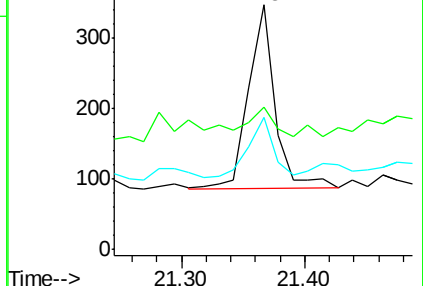
236 53.7 22.0 33.0#



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: 0.529 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

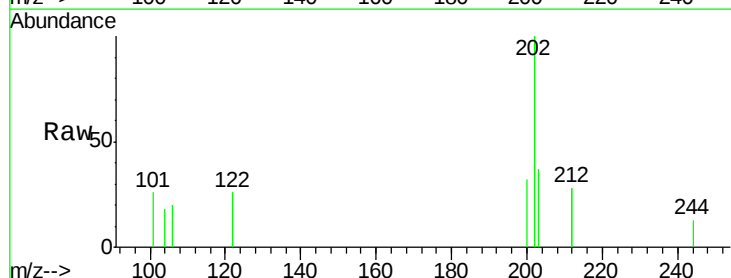
Tgt Ion:202 Resp: 546

Ion Ratio Lower Upper

202 100

200 22.9 15.7 23.5

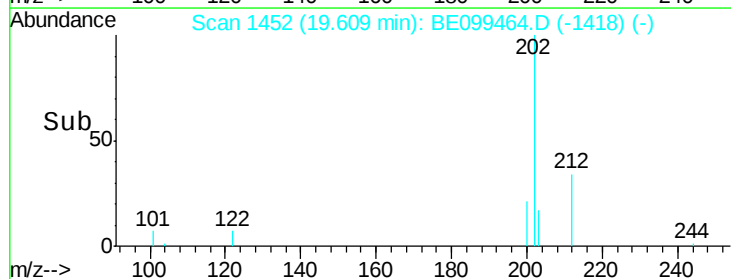
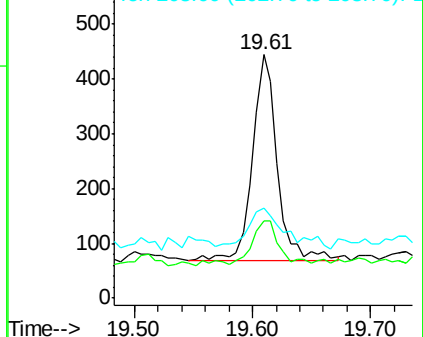
203 21.4 13.9 20.9#

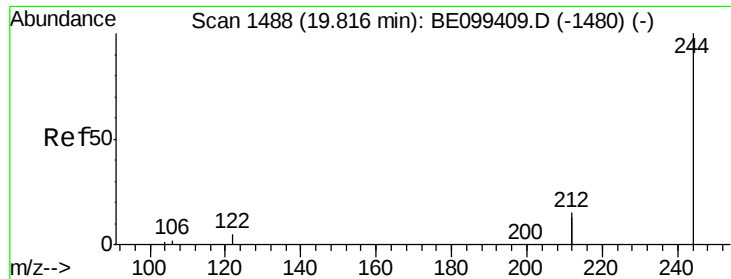


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.445 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

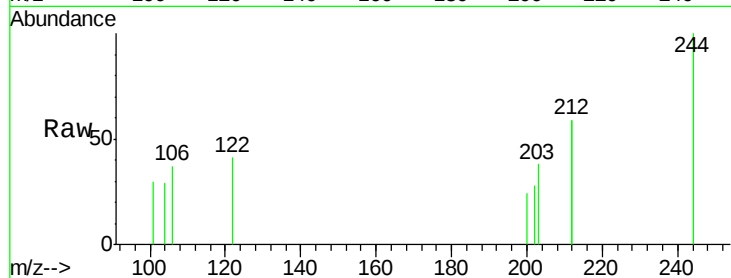
Tot Ion:244 Resp: 323

Ion Ratio Lower Upper

244 100

212 118.8 23.2 34.8#

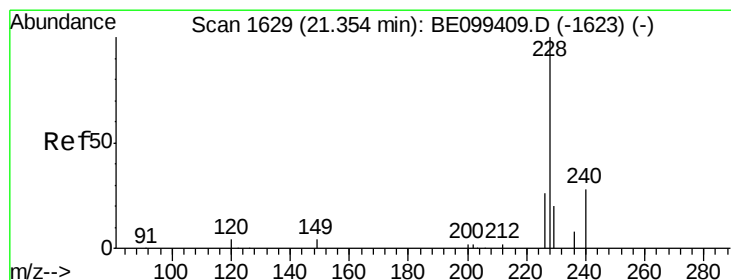
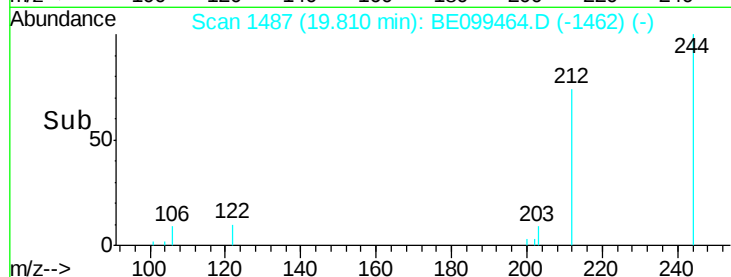
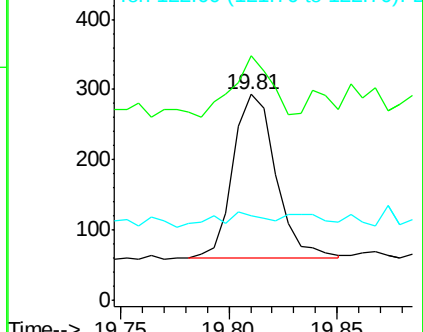
122 41.0 4.2 6.4#



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: 0.453 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

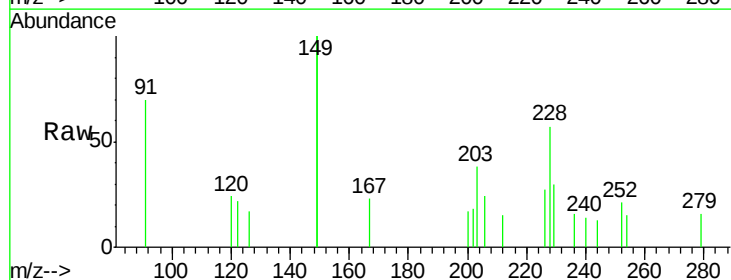
Tgt Ion:228 Resp: 571

Ion Ratio Lower Upper

228 100

226 47.4 21.0 31.6#

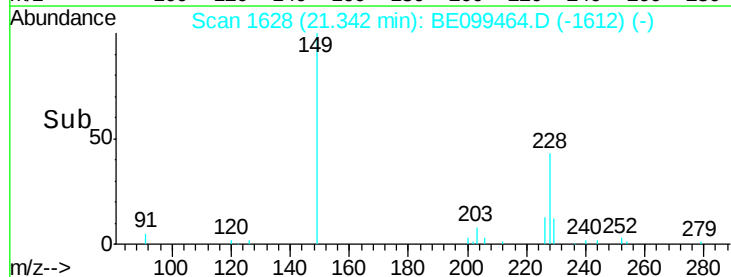
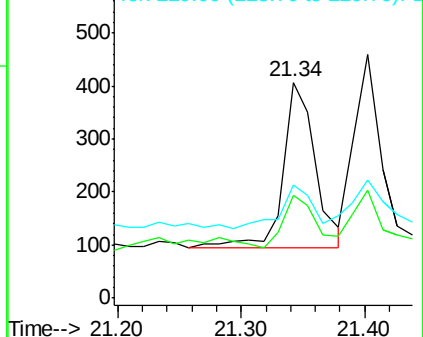
229 52.6 16.6 25.0#

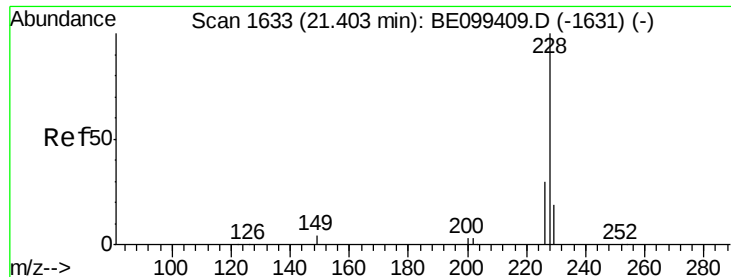


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.412 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

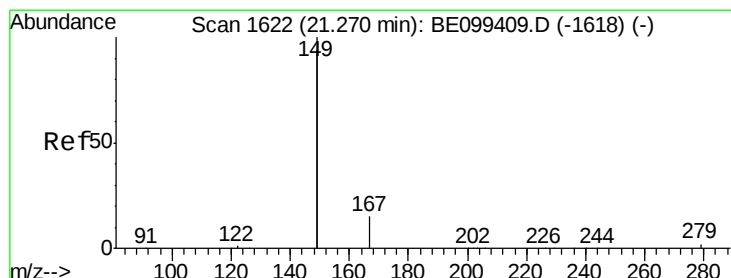
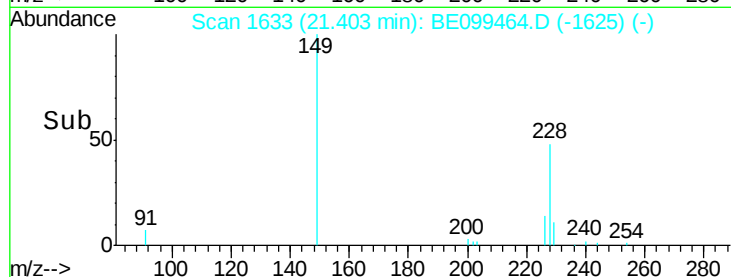
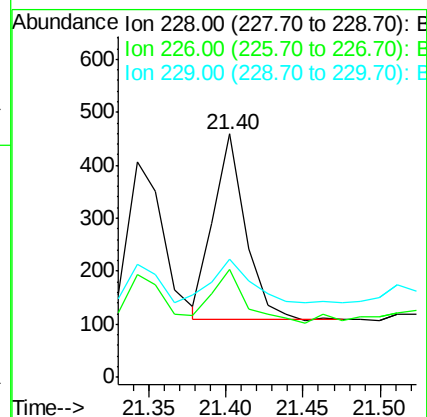
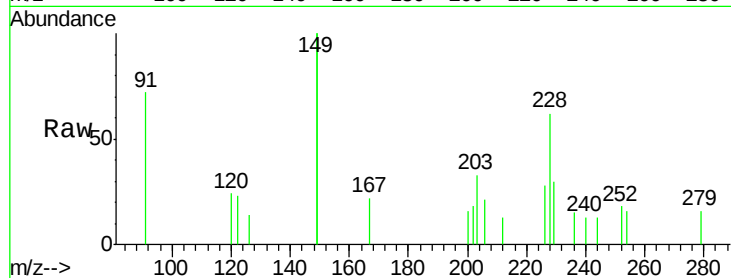
Tot Ion:228 Resp: 509

Ion Ratio Lower Upper

228 100

226 44.4 24.0 36.0#

229 48.4 15.8 23.8#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.741 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

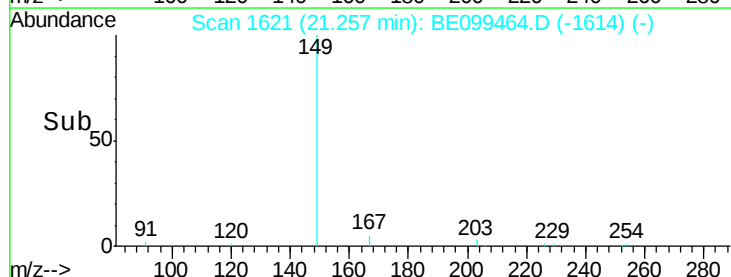
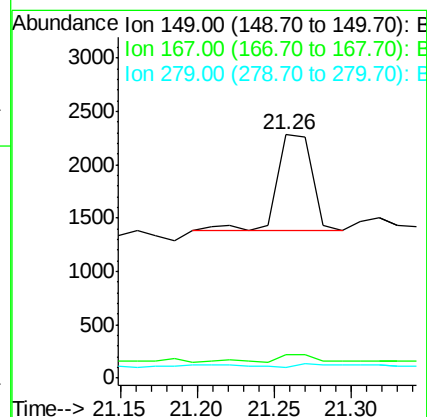
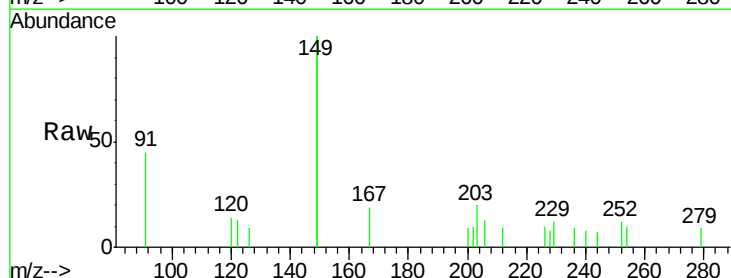
Tgt Ion:149 Resp: 1447

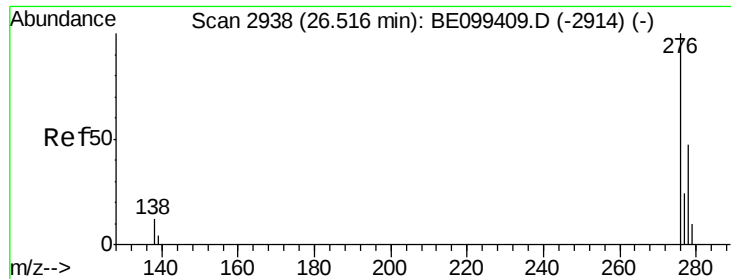
Ion Ratio Lower Upper

149 100

167 7.1 5.8 8.6

279 6.7 1.0 1.6#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.376 ng

RT: 26.51 min Scan# 2937

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

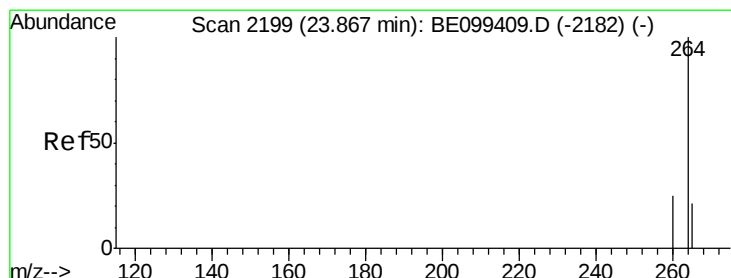
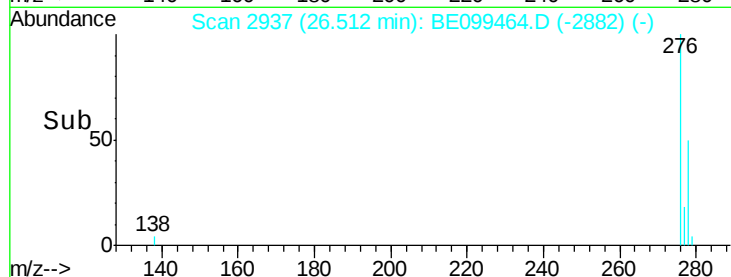
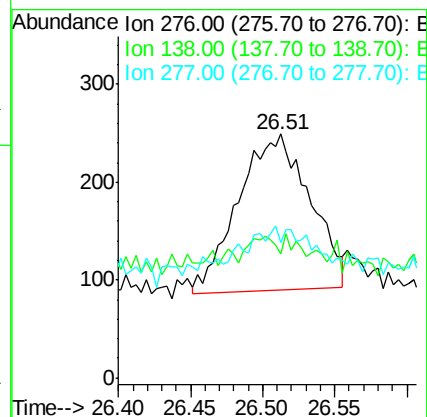
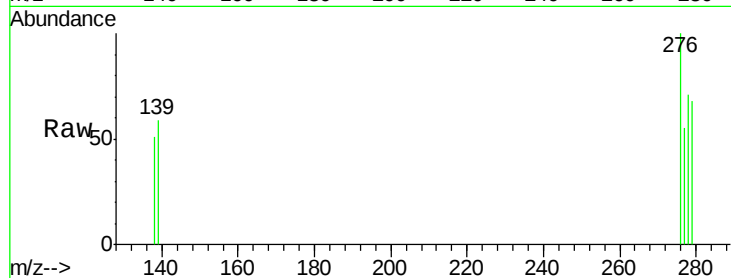
Tot Ion:276 Resp: 549

Ion Ratio Lower Upper

276 100

138 6.0 10.2 15.2#

277 1.8 19.2 28.8#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

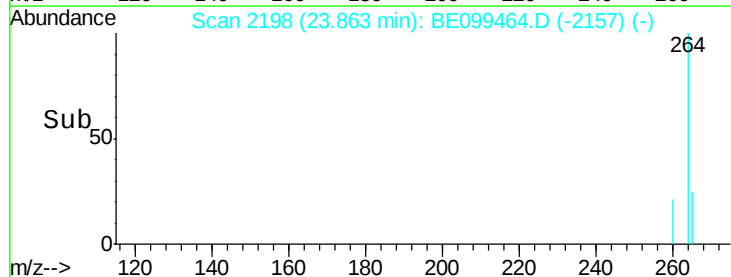
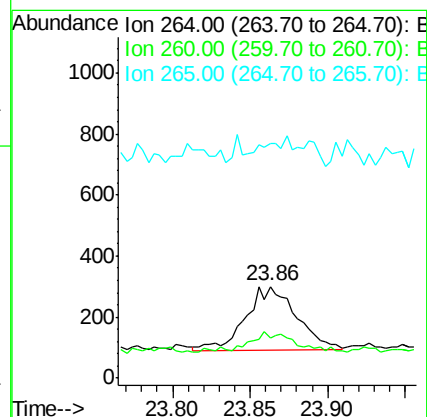
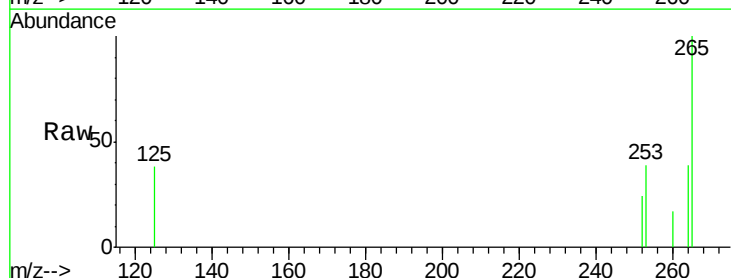
Tgt Ion:264 Resp: 477

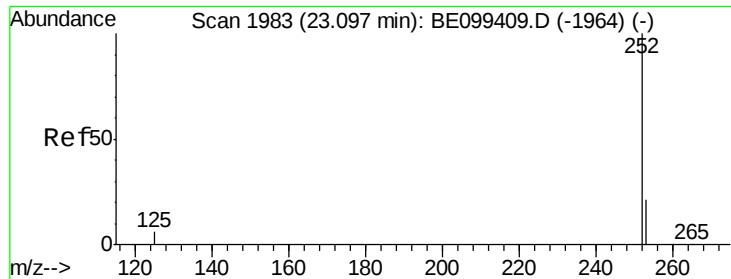
Ion Ratio Lower Upper

264 100

260 43.2 20.2 30.2#

265 256.1 21.3 31.9#





#35

Benzo(b)fluoranthene

Concen: 0.383 ng

RT: 23.10 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

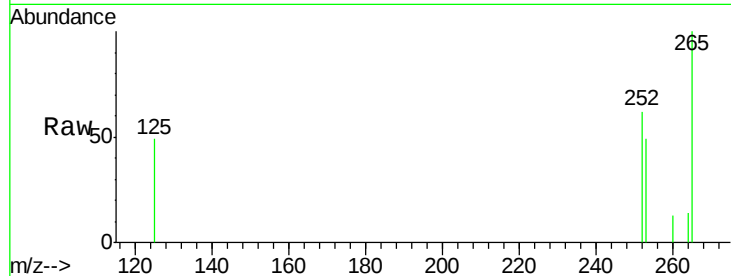
Tot Ion:252 Resp: 527

Ion Ratio Lower Upper

252 100

253 79.9 18.1 27.1#

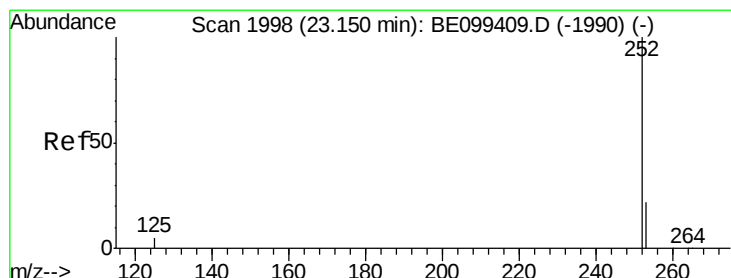
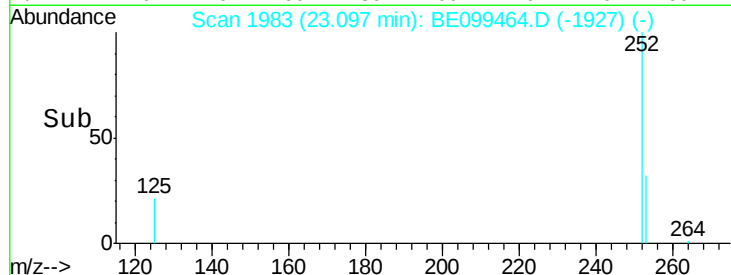
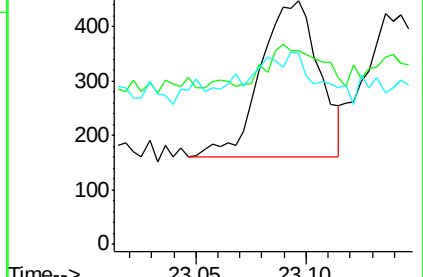
125 78.7 5.6 8.4#



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



#36

Benzo(k)fluoranthene

Concen: 0.406 ng

RT: 23.14 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

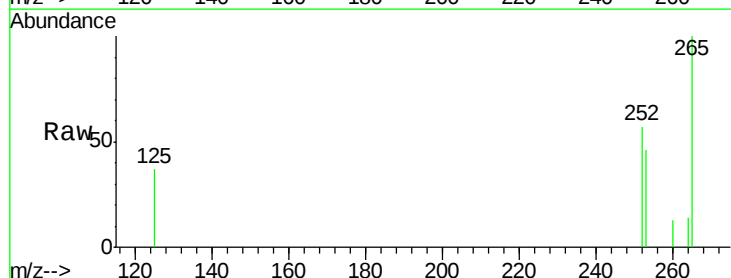
Tgt Ion:252 Resp: 538

Ion Ratio Lower Upper

252 100

253 81.3 18.4 27.6#

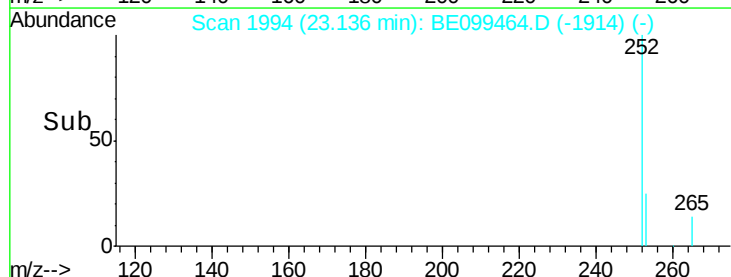
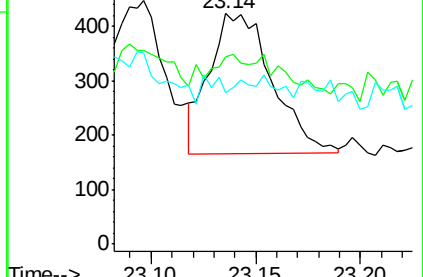
125 65.7 5.0 7.4#

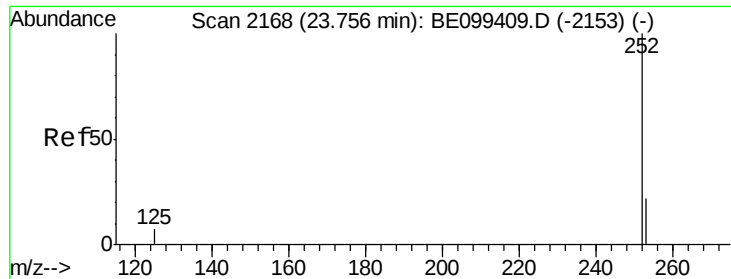


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.380 ng

RT: 23.75 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD

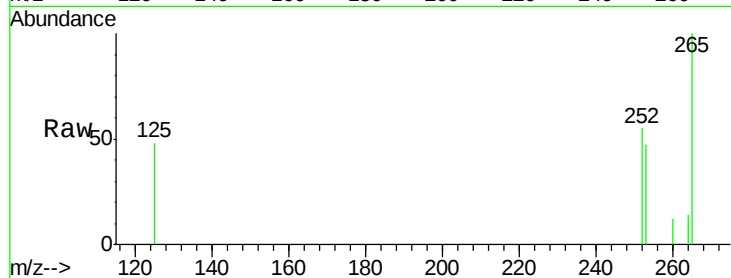
Tot Ion:252 Resp: 494

Ion Ratio Lower Upper

252 100

253 86.3 18.9 28.3#

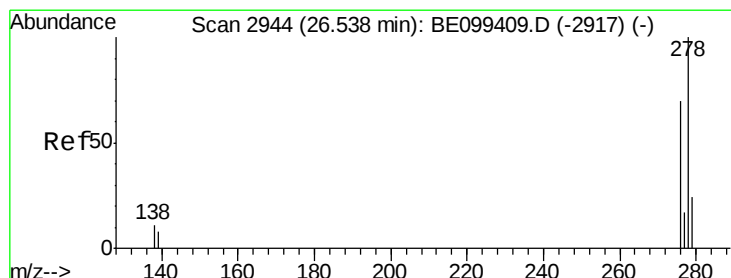
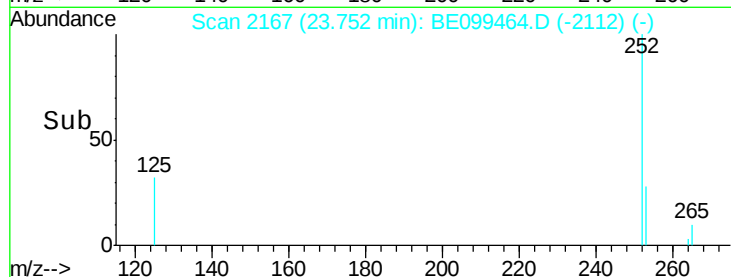
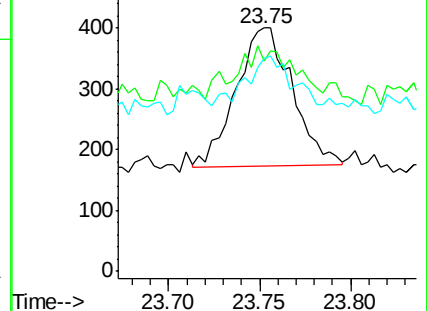
125 87.3 6.7 10.1#



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: 0.418 ng

RT: 26.53 min Scan# 2941

Delta R.T. -0.01 min

Lab File: BE099464.D

Acq: 1 May 2019 15:19

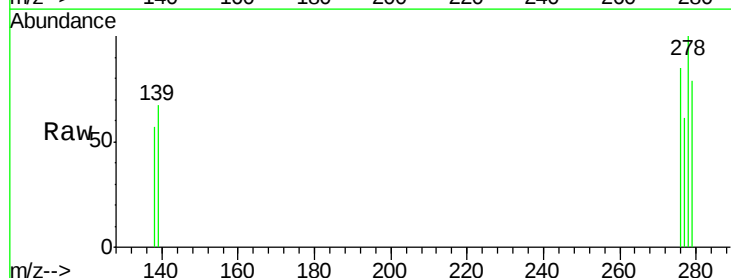
Tgt Ion:278 Resp: 556

Ion Ratio Lower Upper

278 100

139 67.2 7.7 11.5#

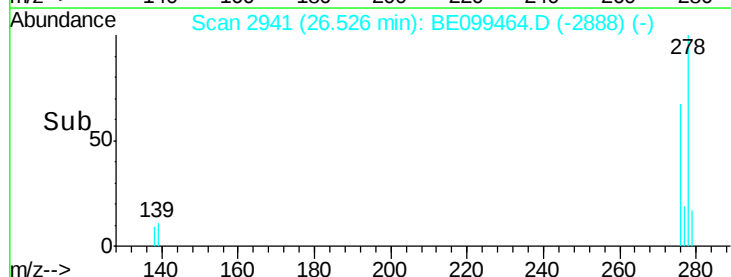
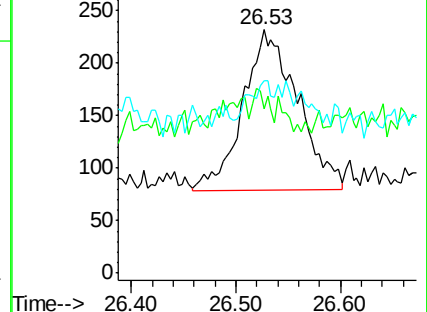
279 78.9 20.2 30.2#

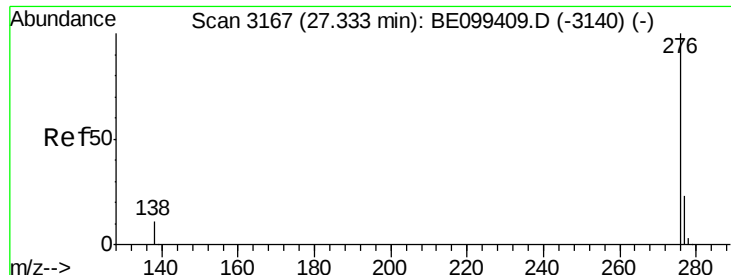


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.412 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE099464.D

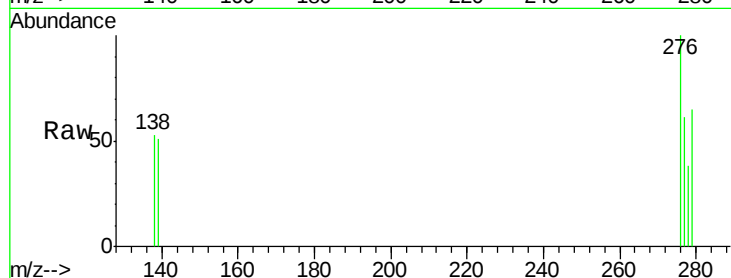
Acq: 1 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419MSD



Tot Ion: 276 Resp: 549

Ion Ratio Lower Upper

276 100

277 60.8 19.5 29.3#

138 53.2 9.6 14.4#

