

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099373.D
 Acq On : 26 Apr 2019 12:05
 Operator : JU/SJ
 Sample : K2533-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-027-B109-042219

Quant Time: Apr 26 14:29:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 06:51:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2045	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	8404	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	5828	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	15653	0.40	ng	0.00
27) Chrysene-d12	21.36	240	16563	0.40	ng	0.00
34) Perylene-d12	23.87	264	18580	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	14701	2.94	ng	0.01
5) Phenol-d6	6.98	99	21339	2.99	ng	0.00
8) Nitrobenzene-d5	8.96	82	18728	2.87	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	11340	0.76	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	7495	3.87	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	53634	2.34	ng	0.00
25) Fluoranthene-d10	19.22	212	125401	0.67	ng	0.00
29) Terphenyl-d14	19.82	244	87999	2.70	ng	0.00

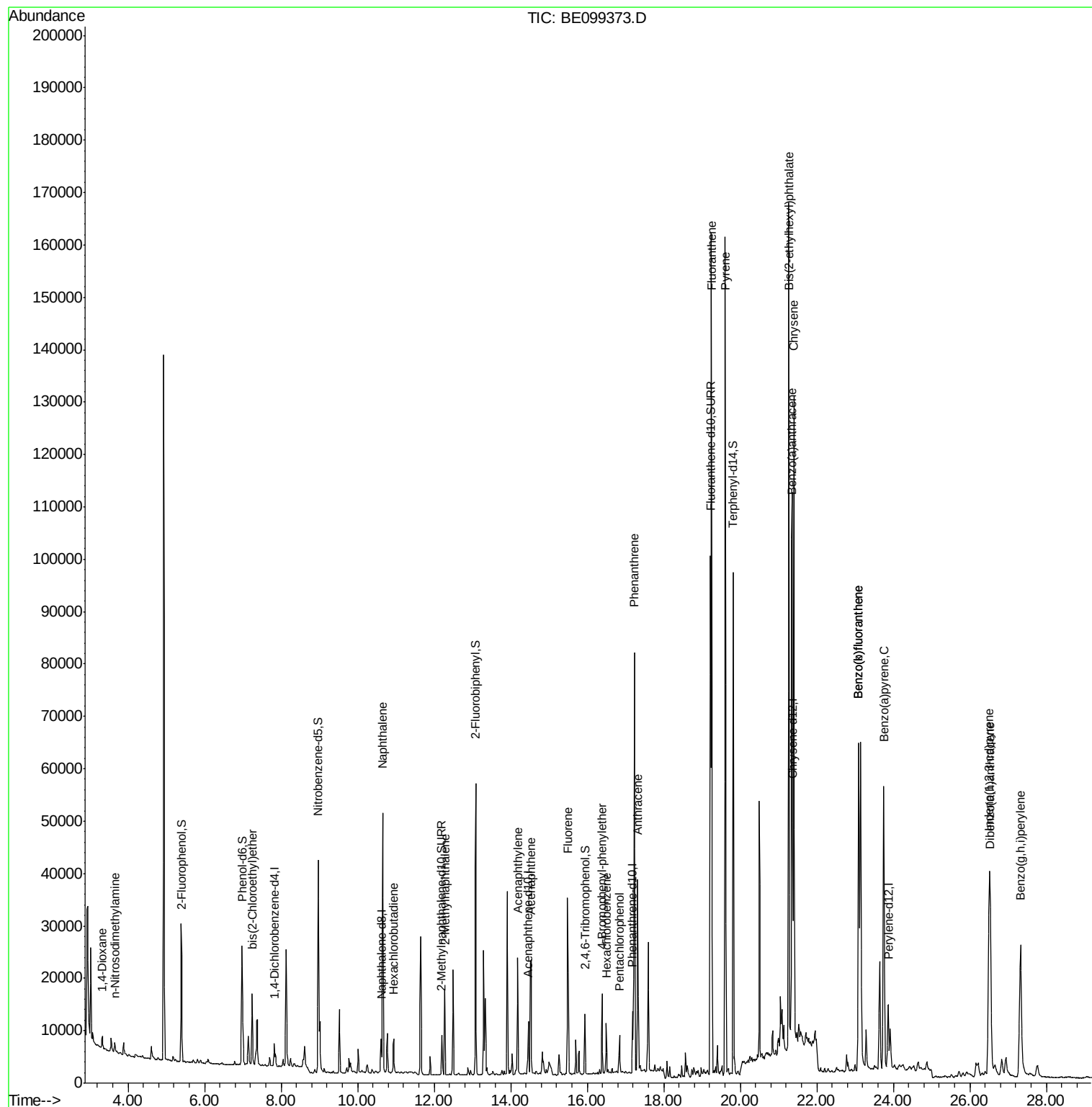
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	1837	0.642	ng	# 63
3) n-Nitrosodimethylamine	3.65	42	1199	0.778	ng	86
6) bis(2-Chloroethyl)ether	7.24	93	5339	0.803	ng	100
9) Naphthalene	10.65	128	78203	0.853	ng	100
10) Hexachlorobutadiene	10.94	225	4806	0.826	ng	98
12) 2-Methylnaphthalene	12.28	142	13362	0.857	ng	97
16) Acenaphthylene	14.18	152	26739	1.015	ng	99
17) Acenaphthene	14.53	154	13449	0.829	ng	99
18) Fluorene	15.49	166	20529	0.880	ng	99
20) 4-Bromophenyl-phenylether	16.39	248	7451	0.859	ng	98
21) Hexachlorobenzene	16.49	284	6906	0.828	ng	98
22) Pentachlorophenol	16.84	266	3450	1.245	ng	96
23) Phenanthrene	17.23	178	81985	1.978	ng	100
24) Anthracene	17.32	178	37323	1.012	ng	99
26) Fluoranthene	19.25	202	144589	2.606	ng	98
28) Pyrene	19.61	202	145995	2.992	ng	97
30) Benzo(a)anthracene	21.34	228	108938	2.237	ng	98
31) Chrysene	21.40	228	101719	1.963	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	172812	3.900	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	79474	1.553	ng	96
35) Benzo(b)fluoranthene	23.09	252	102596	1.804	ng	97
36) Benzo(k)fluoranthene	23.09	252	102596	1.809	ng	99
37) Benzo(a)pyrene	23.75	252	87226	1.712	ng	98
38) Dibenzo(a,h)anthracene	26.54	278	48223	0.926	ng	99
39) Benzo(g,h,i)perylene	27.32	276	70758	1.340	ng	98

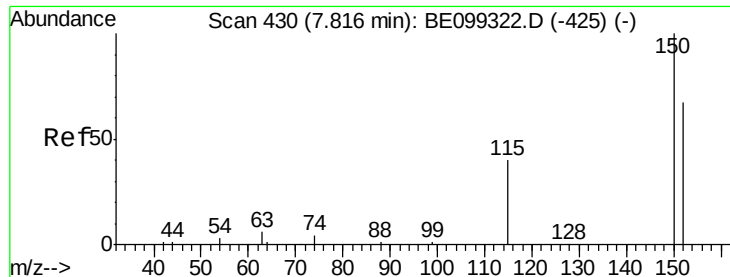
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
Data File : BE099373.D
Acq On : 26 Apr 2019 12:05
Operator : JU/SJ
Sample : K2533-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-027-B109-042219

Quant Time: Apr 26 14:29:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 19 06:51:38 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

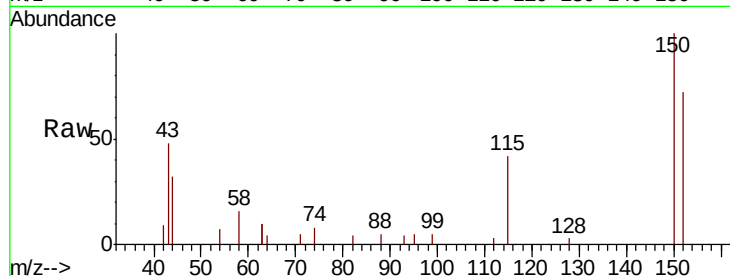
Tot Ion:152 Resp: 2045

Ion Ratio Lower Upper

152 100

150 139.7 119.5 179.3

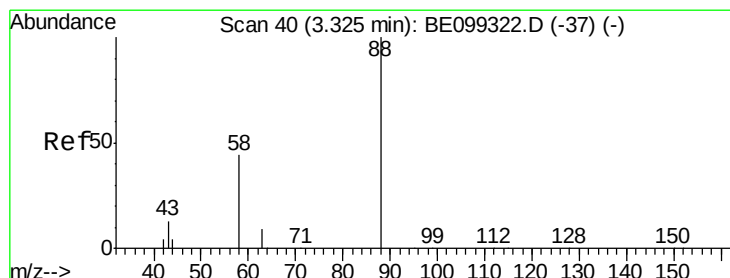
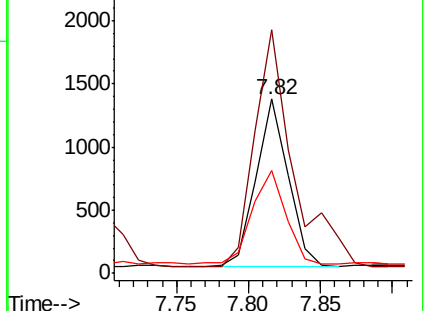
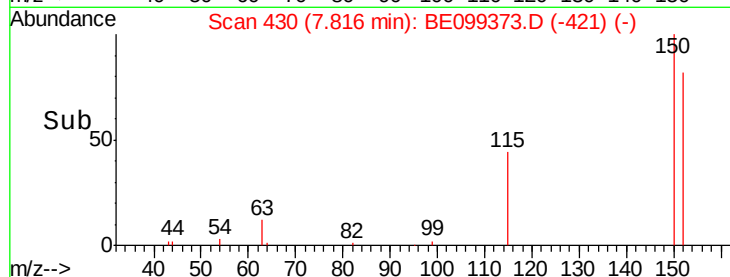
115 58.7 47.5 71.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.642 ng

RT: 3.32 min Scan# 40

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

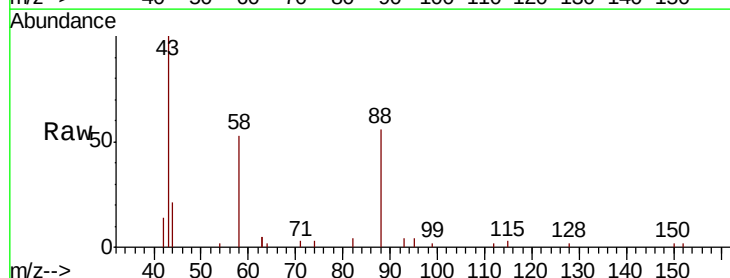
Tgt Ion: 88 Resp: 1837

Ion Ratio Lower Upper

88 100

58 85.3 49.1 73.7#

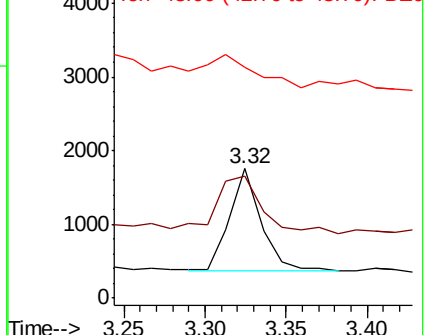
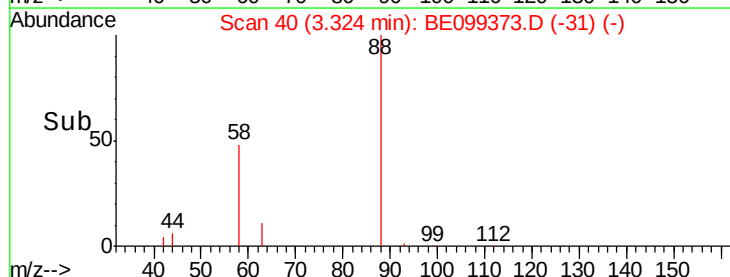
43 48.1 17.9 26.9#

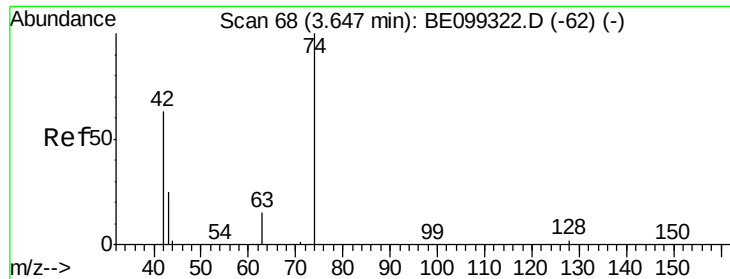


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.778 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

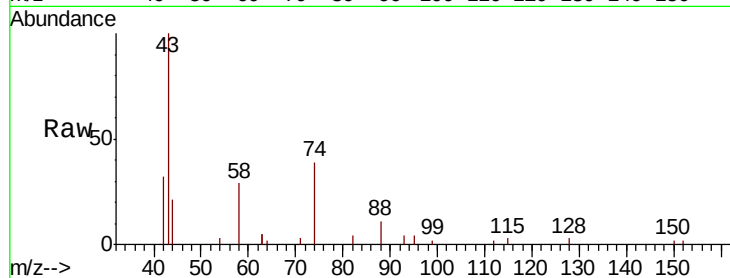
Tot Ion: 42 Resp: 1199

Ion Ratio Lower Upper

42 100

74 202.7 145.8 218.8

44 10.0 9.0 13.4

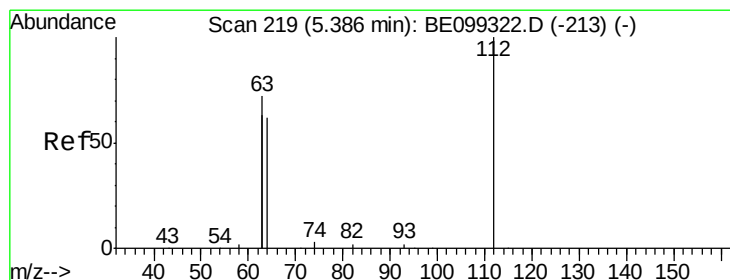
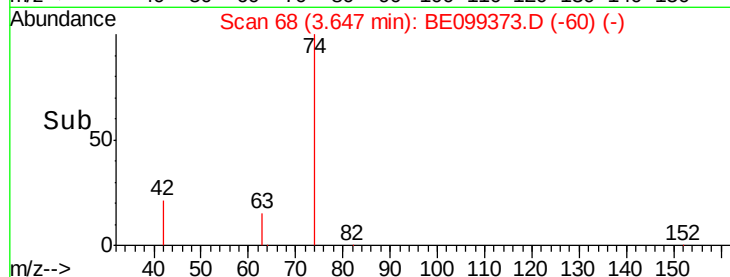
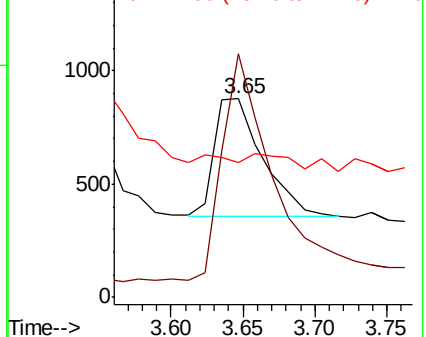


Abundance

Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 2.942 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

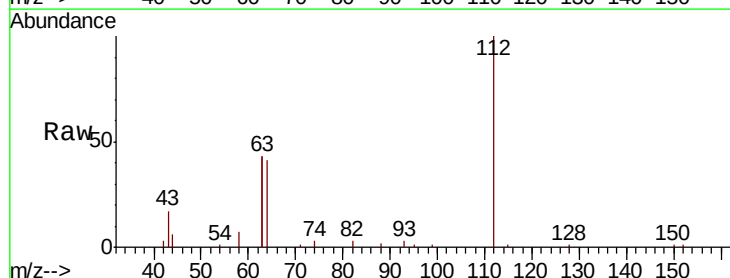
Tgt Ion: 112 Resp: 14701

Ion Ratio Lower Upper

112 100

64 56.8 44.9 67.3

63 123.1 97.4 146.0

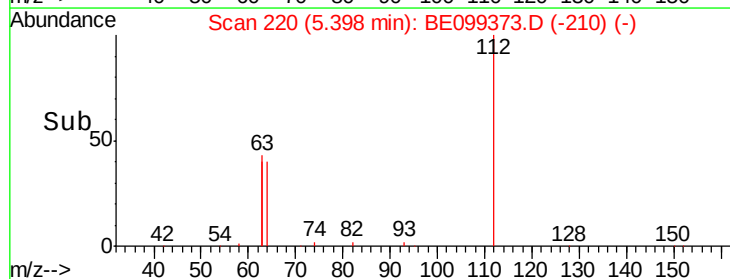
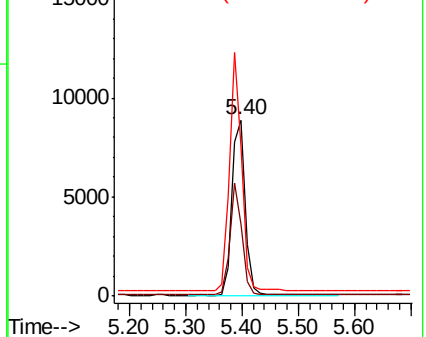


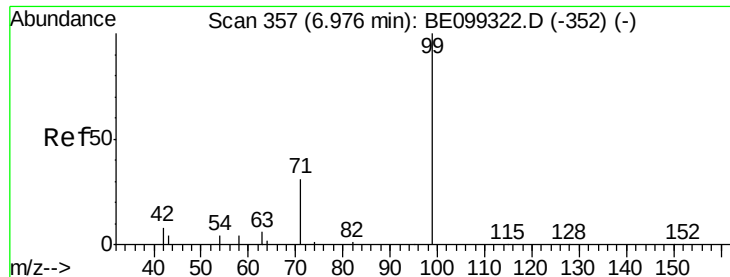
Abundance

Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.993 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

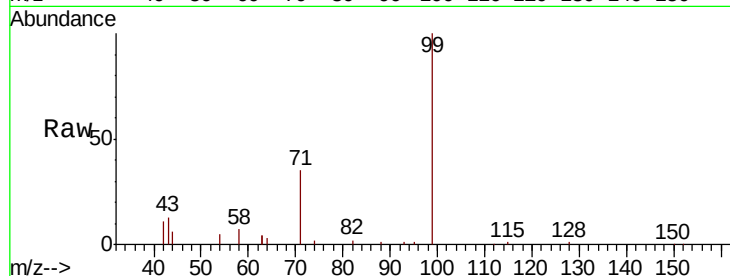
Tot Ion: 99 Resp: 21339

Ion Ratio Lower Upper

99 100

42 15.5 11.7 17.5

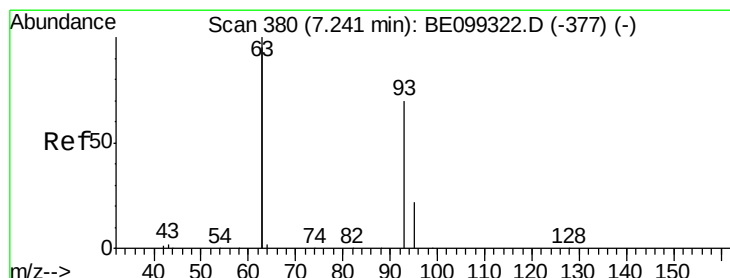
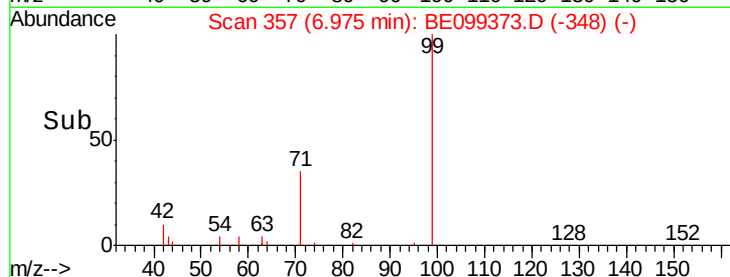
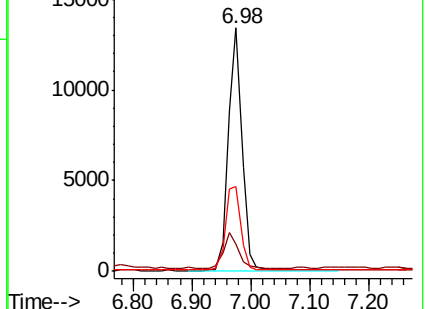
71 38.9 29.6 44.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.803 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

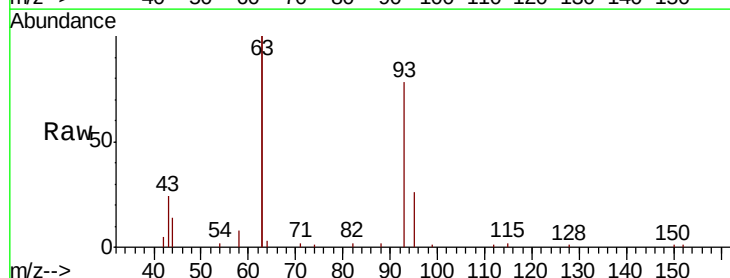
Tgt Ion: 93 Resp: 5339

Ion Ratio Lower Upper

93 100

63 270.2 216.6 324.8

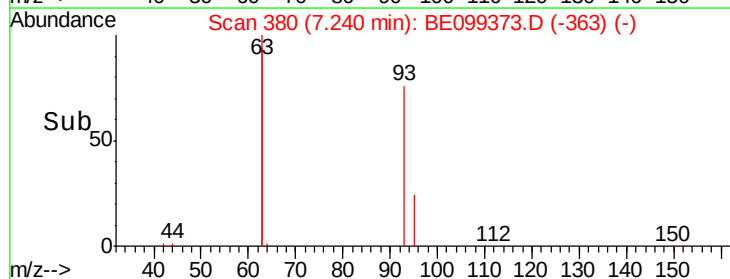
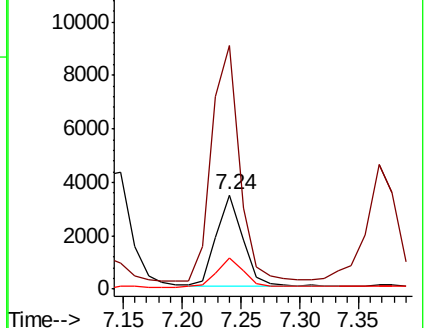
95 32.3 25.8 38.6

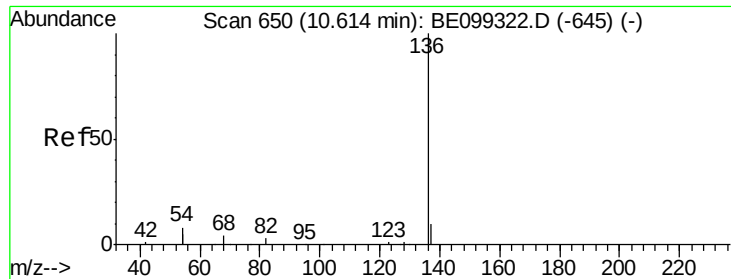


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

Tot Ion:136 Resp: 8404

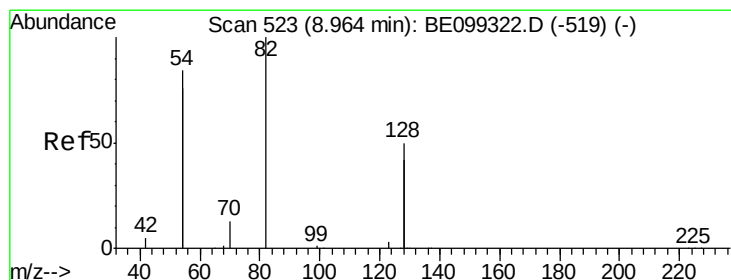
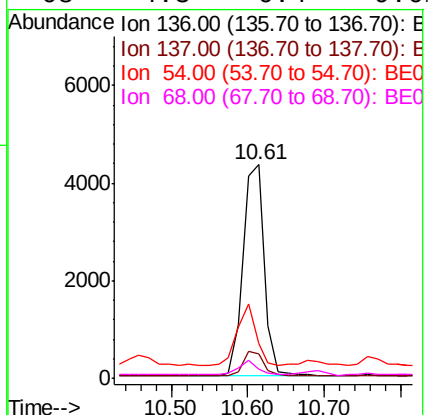
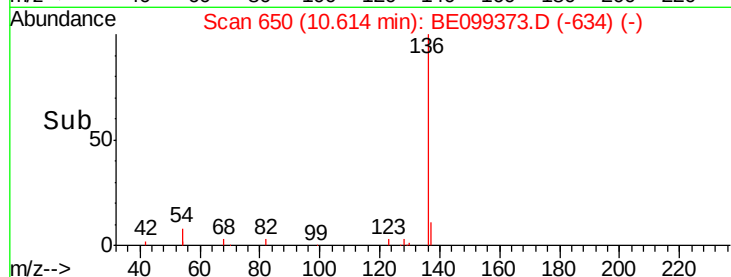
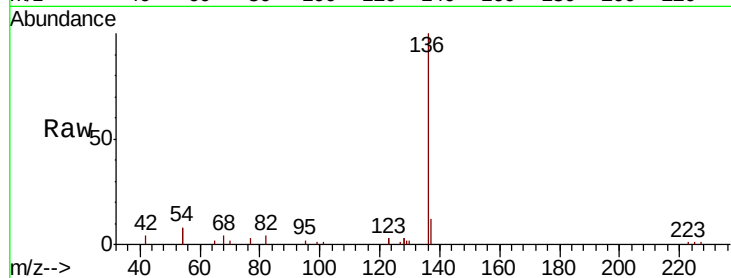
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 16.5 23.8 35.8#

68 4.3 6.4 9.6#



#8

Nitrobenzene-d5

Concen: 2.871 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

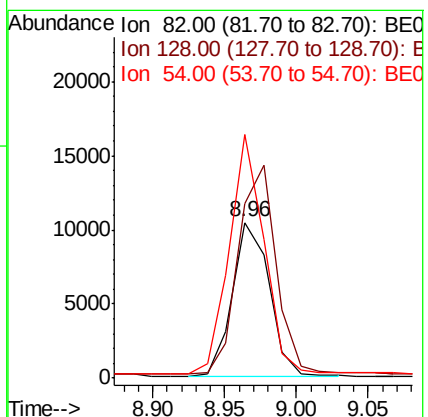
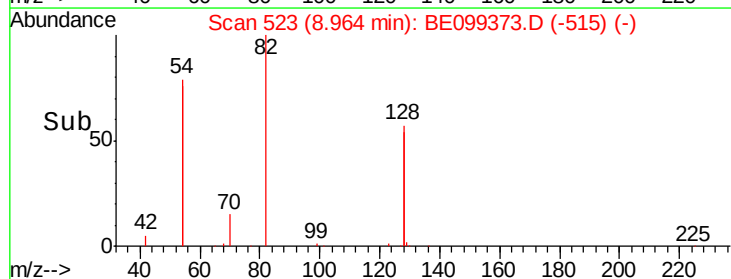
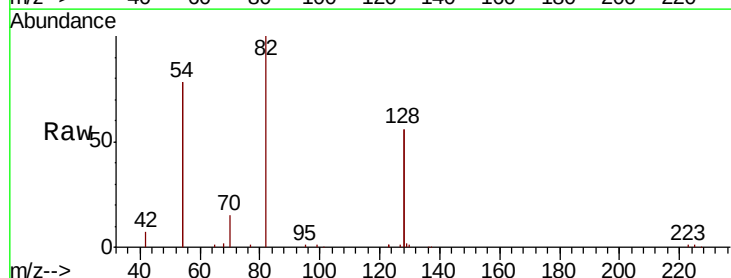
Tgt Ion: 82 Resp: 18728

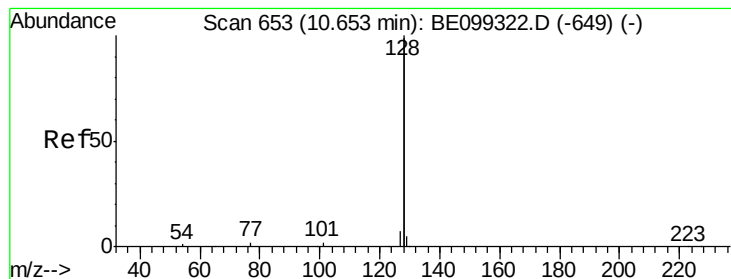
Ion Ratio Lower Upper

82 100

128 112.2 91.7 137.5

54 156.5 122.8 184.2





#9

Naphthalene

Concen: 0.853 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

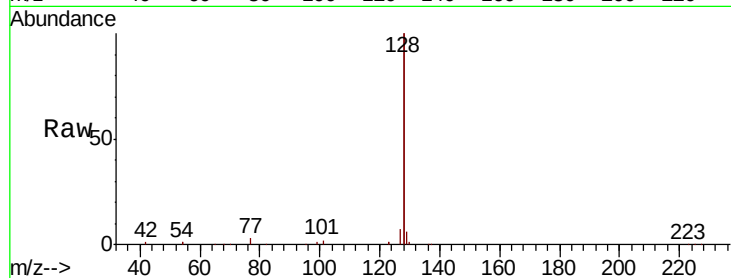
Tot Ion:128 Resp: 78203

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

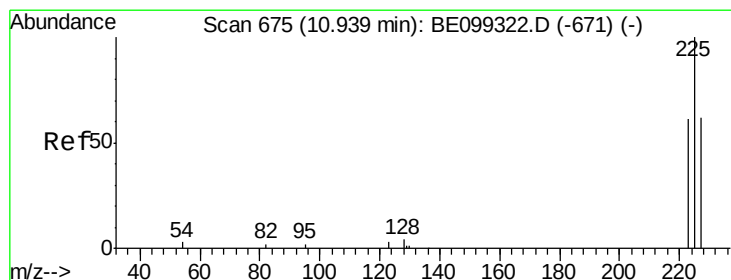
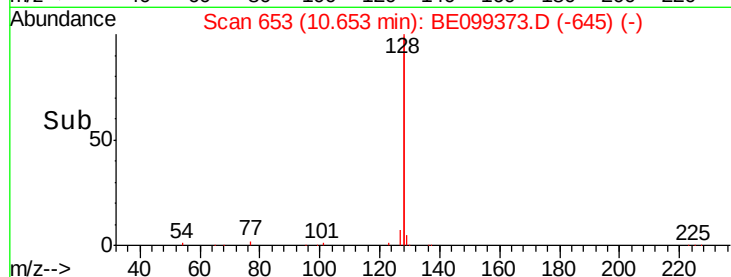
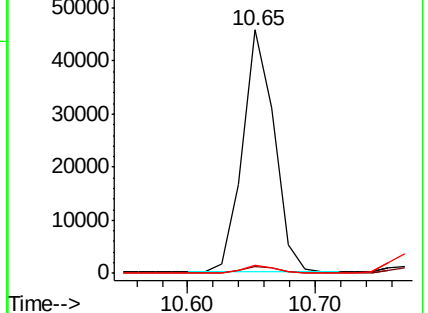
127 3.4 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.826 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

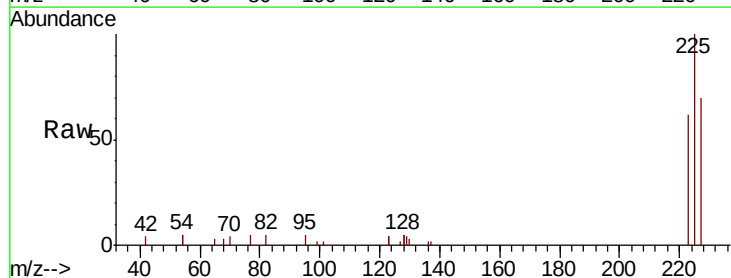
Tgt Ion:225 Resp: 4806

Ion Ratio Lower Upper

225 100

223 62.9 50.3 75.5

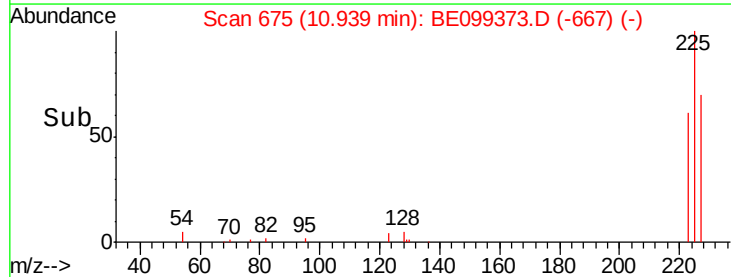
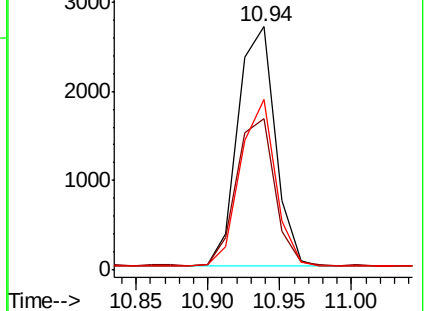
227 65.1 49.4 74.0

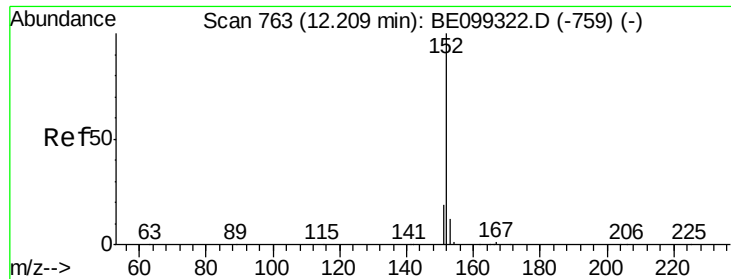


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

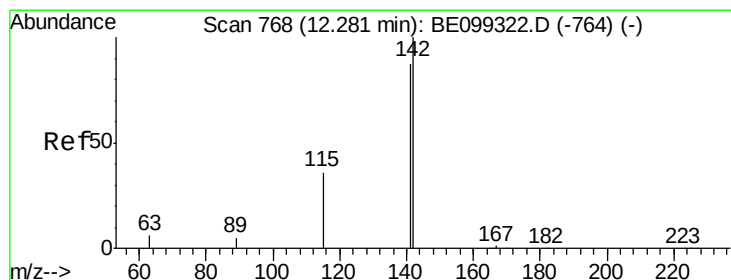
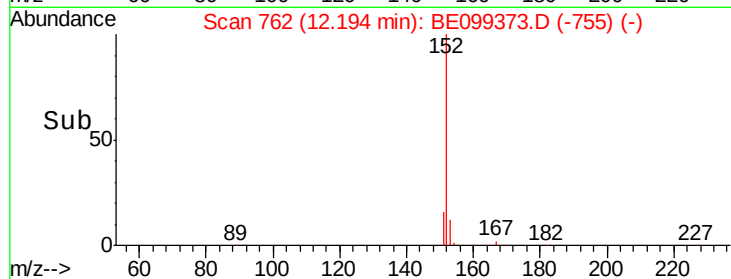
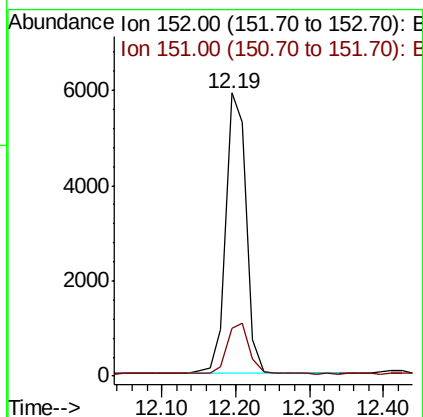
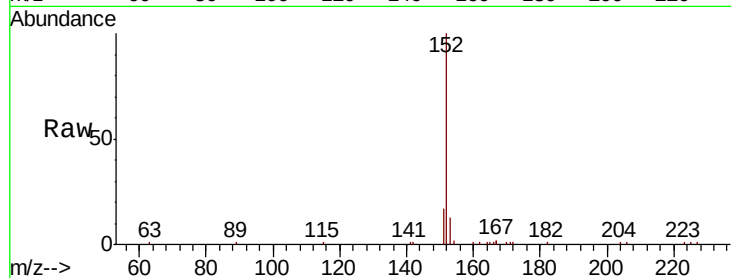




#11
2-Methylnaphthalene-d10
Concen: 0.765 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099373.D
Acq: 26 Apr 2019 12:05

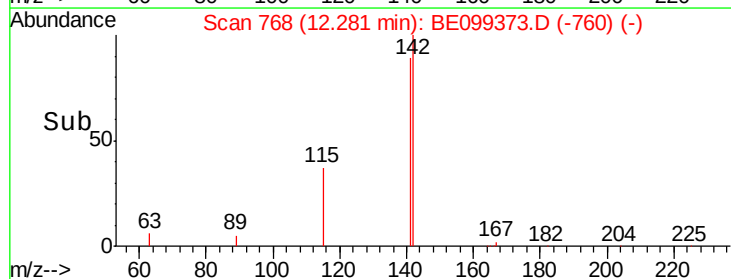
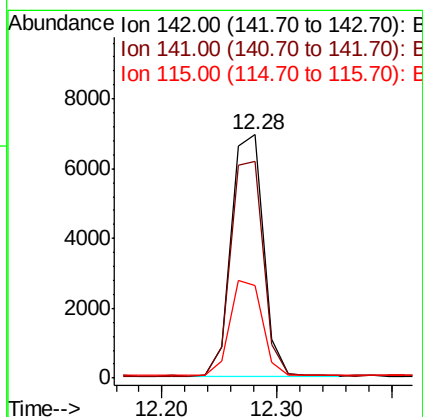
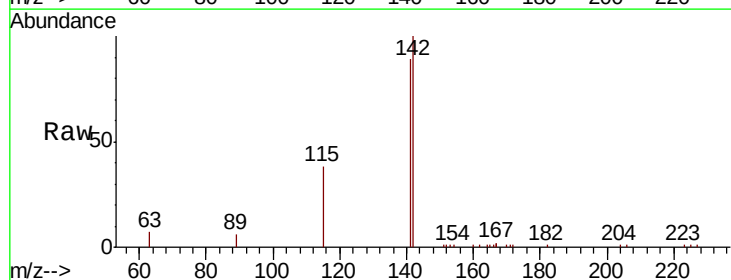
Instrument :
BNA_E
ClientSampleId :
PST-027-B109-042219

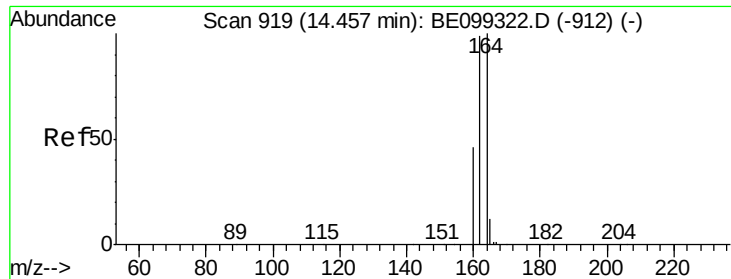
Tot Ion:152 Resp: 11340
Ion Ratio Lower Upper
152 100
151 19.4 14.9 22.3



#12
2-Methylnaphthalene
Concen: 0.857 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.01 min
Lab File: BE099373.D
Acq: 26 Apr 2019 12:05

Tgt Ion:142 Resp: 13362
Ion Ratio Lower Upper
142 100
141 88.9 72.0 108.0
115 37.8 33.4 50.0

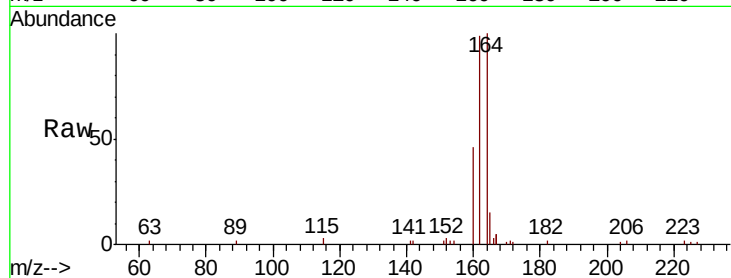




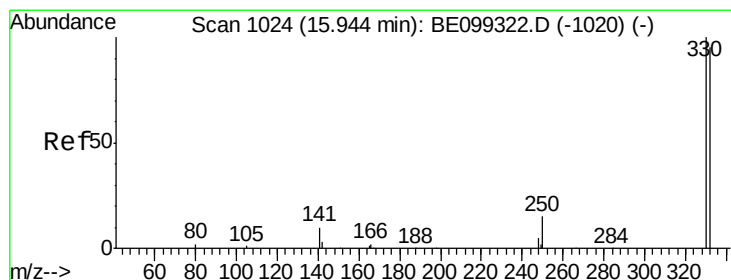
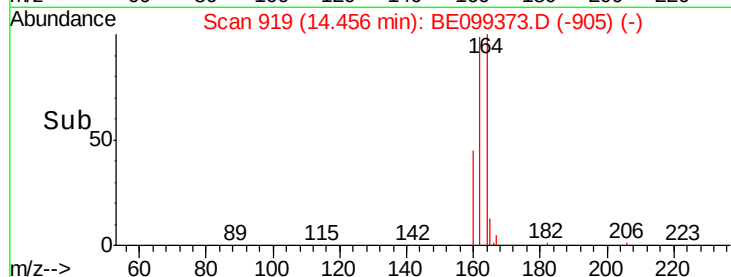
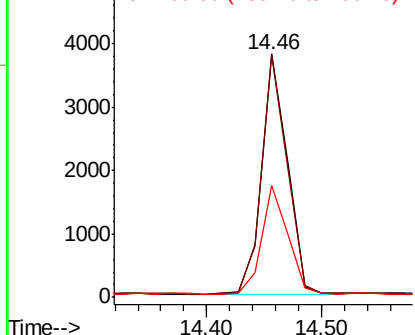
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099373.D
 Acq: 26 Apr 2019 12:05

Instrument :
 BNA_E
 ClientSampleId :
 PST-027-B109-042219

Tot Ion:164 Resp: 5828
 Ion Ratio Lower Upper
 164 100
 162 99.3 77.8 116.6
 160 45.9 37.1 55.7

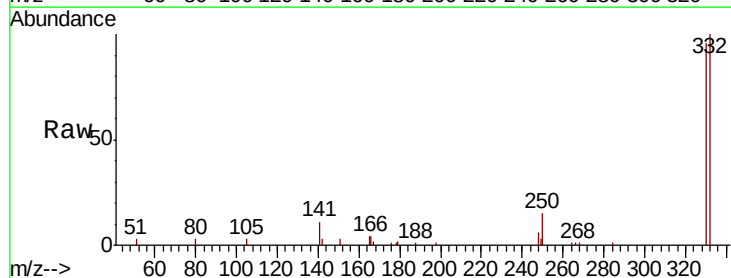


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

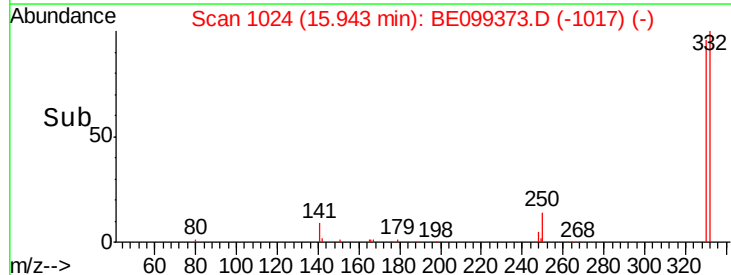
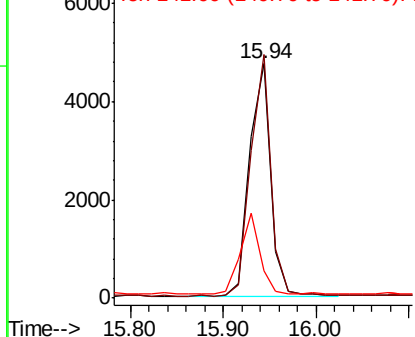


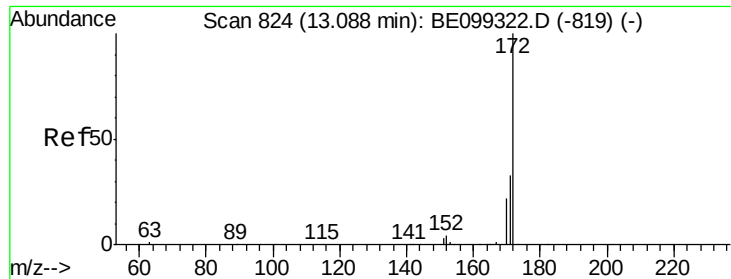
#14
 2,4,6-Tribromophenol
 Concen: 3.872 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099373.D
 Acq: 26 Apr 2019 12:05

Tgt Ion:330 Resp: 7495
 Ion Ratio Lower Upper
 330 100
 332 99.2 82.5 123.7
 141 30.9 24.9 37.3



Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

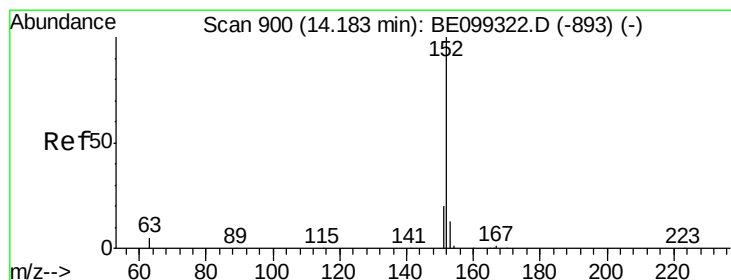
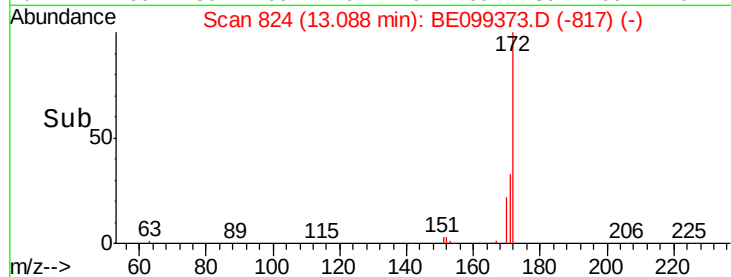
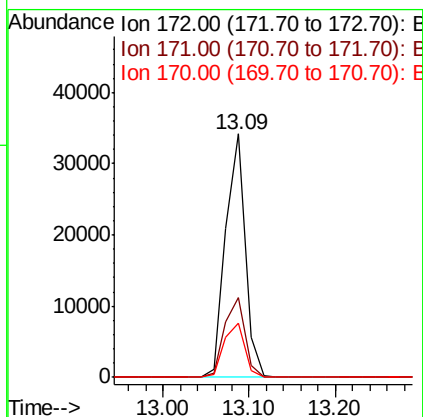
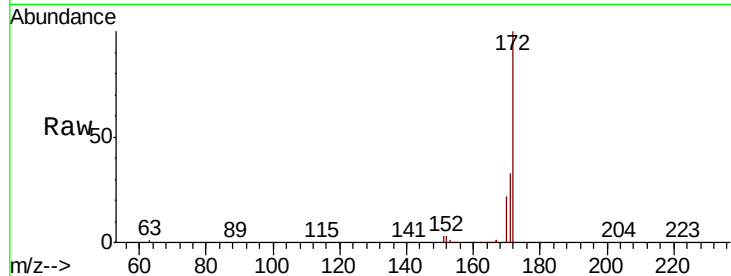




#15
2-Fluorobiphenyl
Concen: 2.341 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099373.D
Acq: 26 Apr 2019 12:05

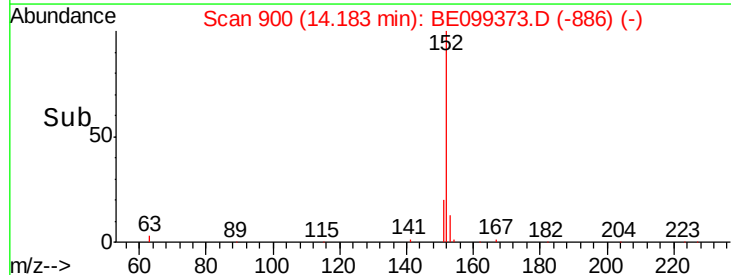
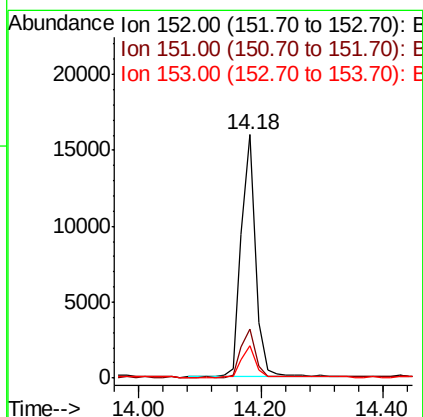
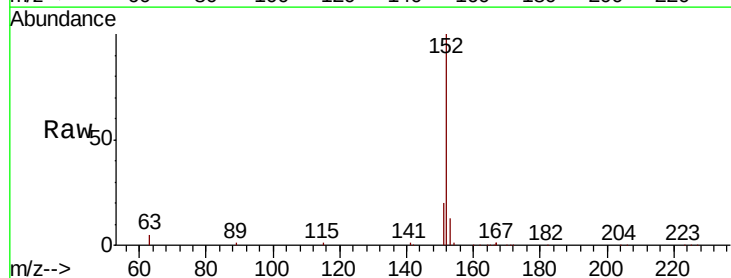
Instrument :
BNA_E
ClientSampleId :
PST-027-B109-042219

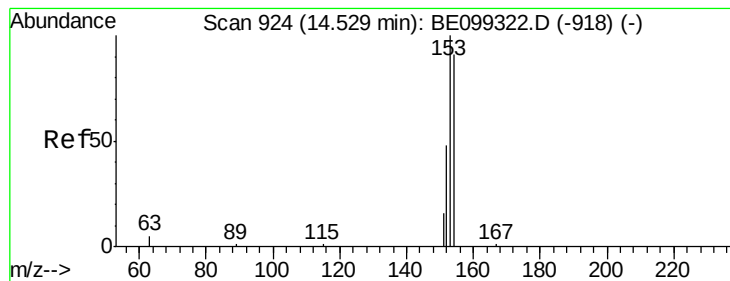
Tot Ion:172 Resp: 53634
Ion Ratio Lower Upper
172 100
171 32.7 26.2 39.2
170 22.2 18.1 27.1



#16
Acenaphthylene
Concen: 1.015 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099373.D
Acq: 26 Apr 2019 12:05

Tgt Ion:152 Resp: 26739
Ion Ratio Lower Upper
152 100
151 20.1 15.5 23.3
153 13.0 10.2 15.4





#17

Acenaphthene

Concen: 0.829 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

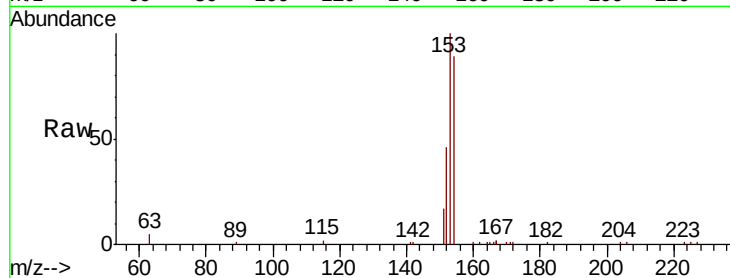
Tot Ion:154 Resp: 13449

Ion Ratio Lower Upper

154 100

153 117.2 94.7 142.1

152 56.6 46.4 69.6

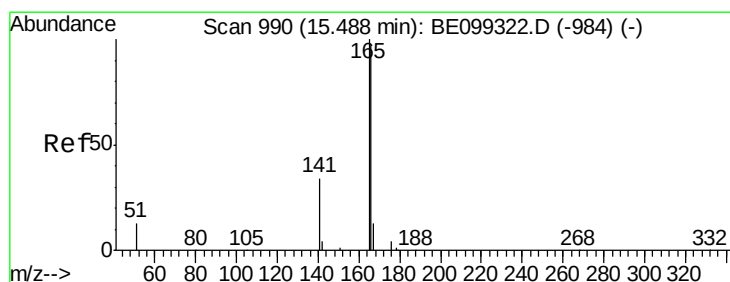
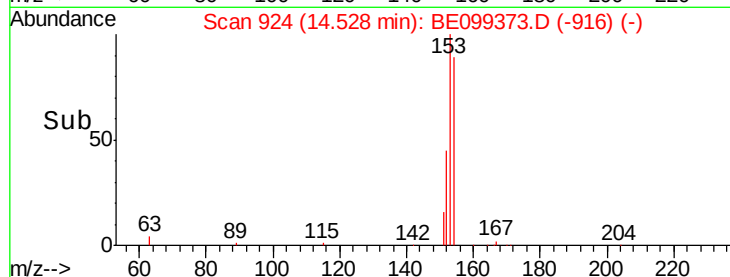
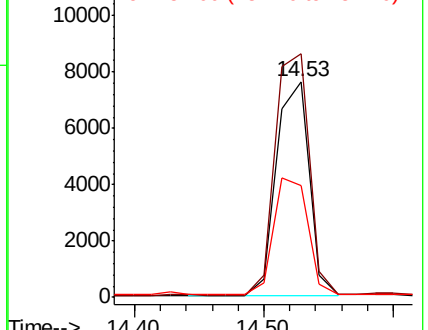


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.880 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

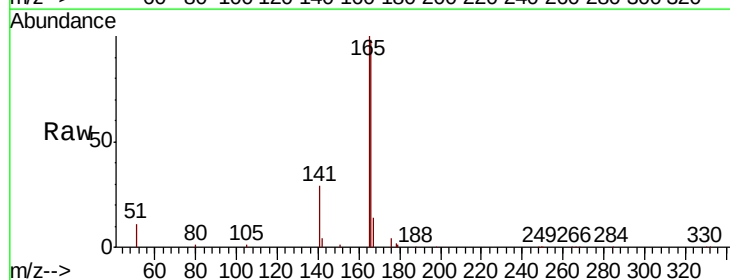
Tgt Ion:166 Resp: 20529

Ion Ratio Lower Upper

166 100

165 100.5 79.7 119.5

167 13.8 11.0 16.4

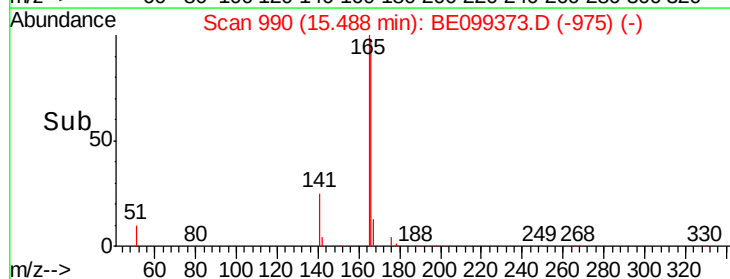
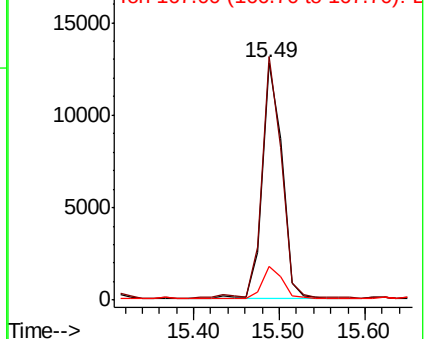


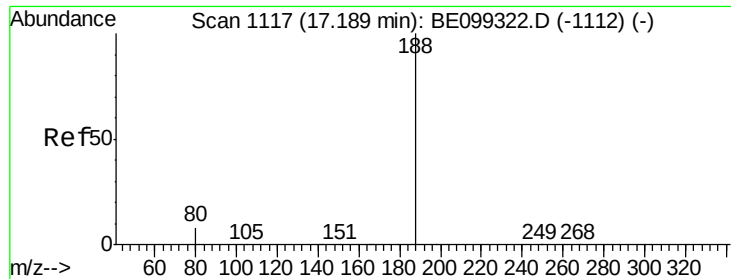
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

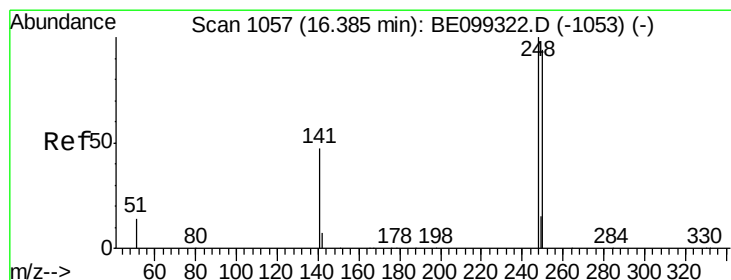
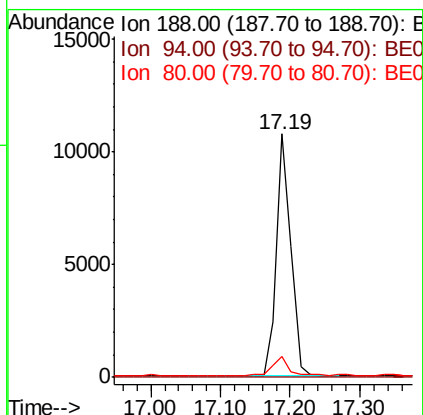
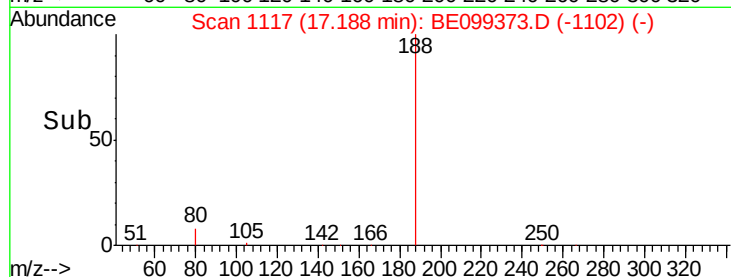
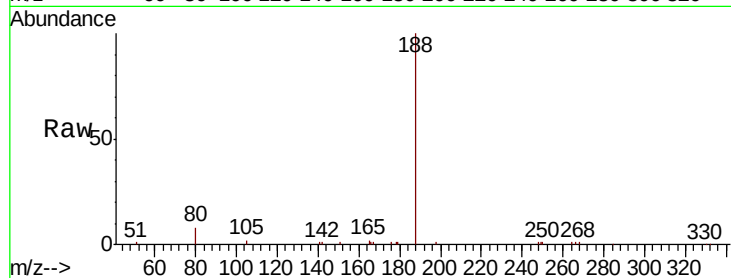
Tot Ion:188 Resp: 15653

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.4 6.2 9.4



#20

4-Bromophenyl-phenylether

Concen: 0.859 ng

RT: 16.39 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

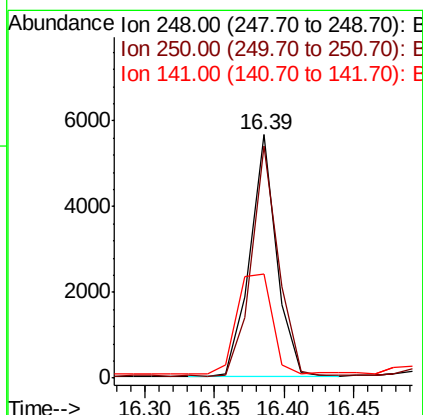
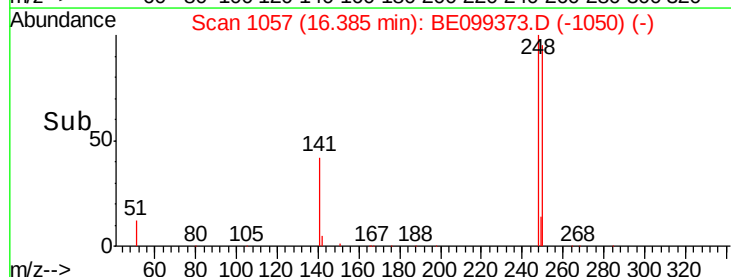
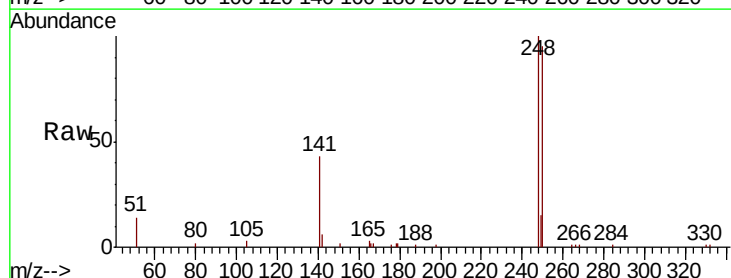
Tgt Ion:248 Resp: 7451

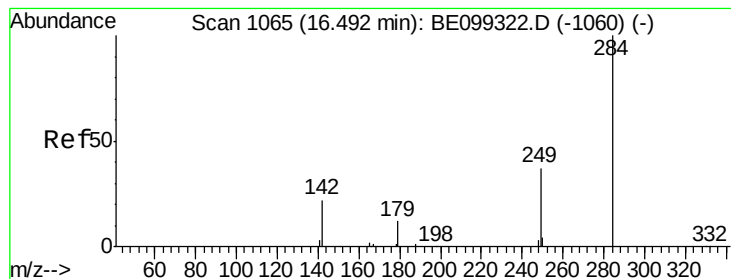
Ion Ratio Lower Upper

248 100

250 95.5 77.0 115.6

141 42.9 31.1 46.7





#21

Hexachlorobenzene

Concen: 0.828 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

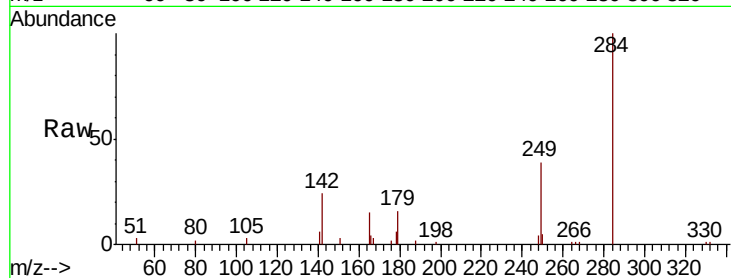
Tot Ion:284 Resp: 6906

Ion Ratio Lower Upper

284 100

142 27.1 21.8 32.6

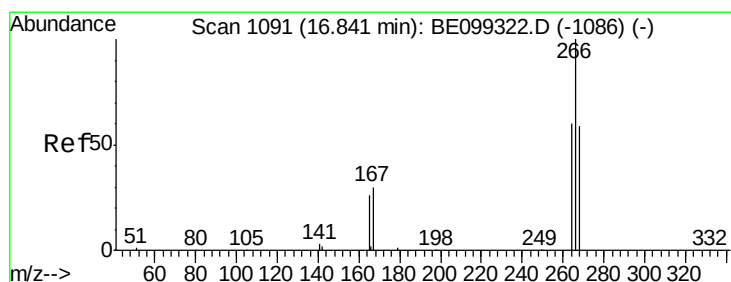
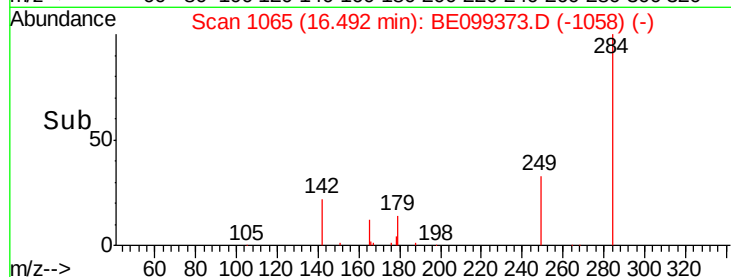
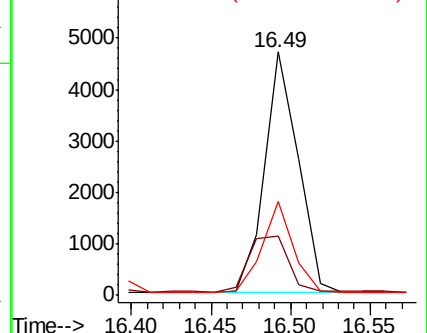
249 35.1 26.2 39.4



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.245 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

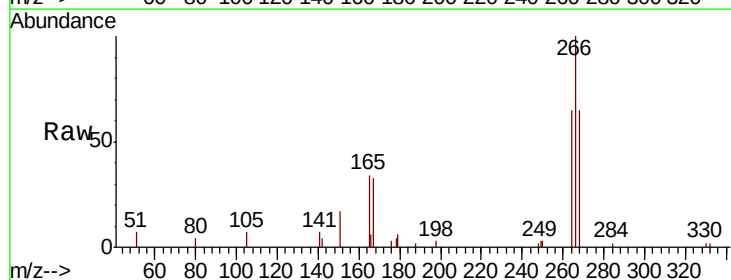
Tgt Ion:266 Resp: 3450

Ion Ratio Lower Upper

266 100

264 64.7 54.5 81.7

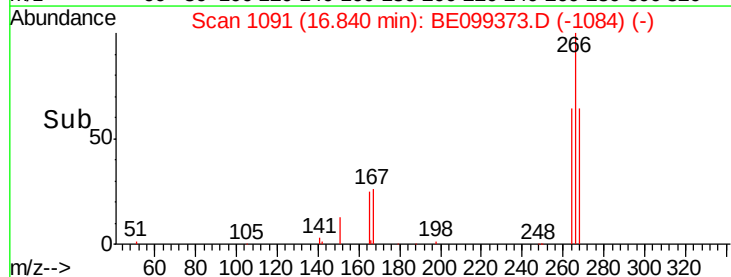
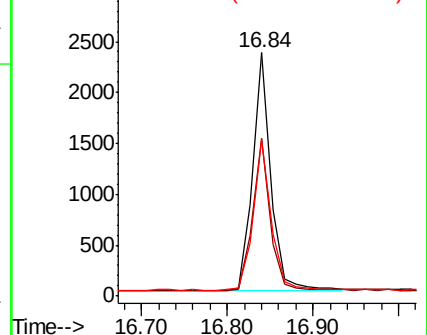
268 64.5 54.3 81.5

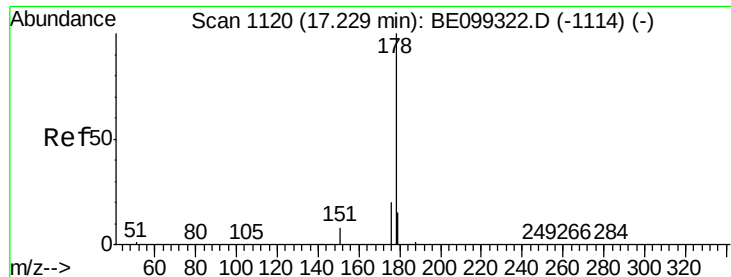


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.978 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

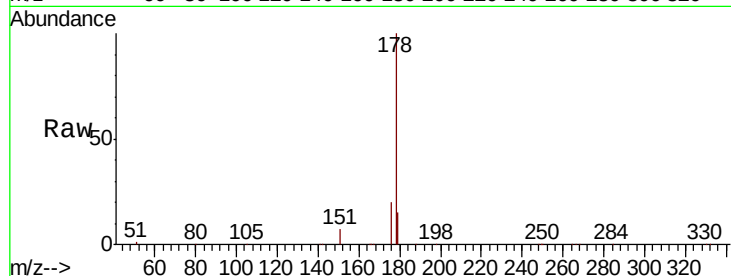
Tot Ion:178 Resp: 81985

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

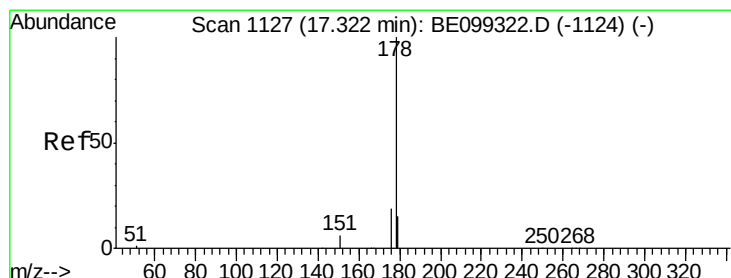
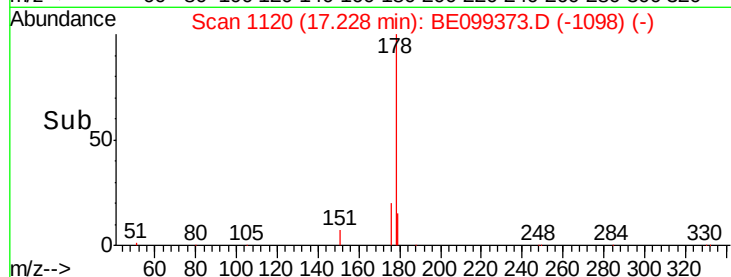
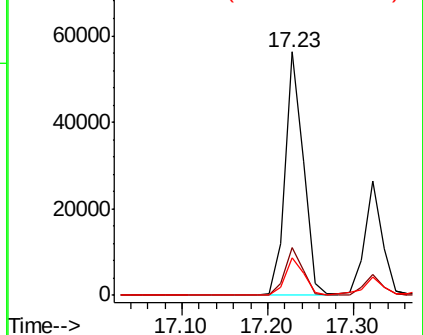
179 15.5 12.4 18.6



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: 1.012 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

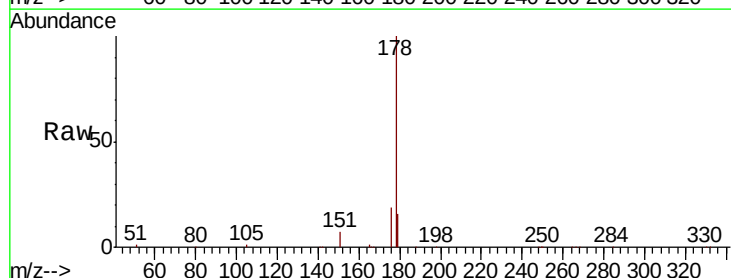
Tgt Ion:178 Resp: 37323

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

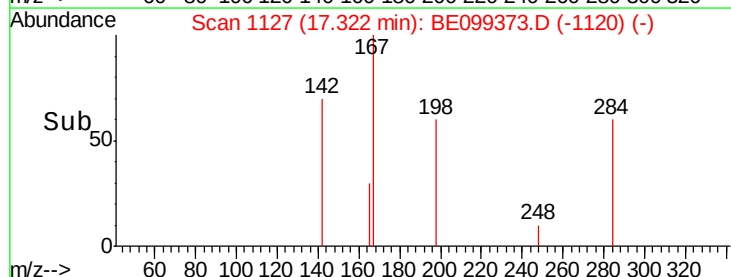
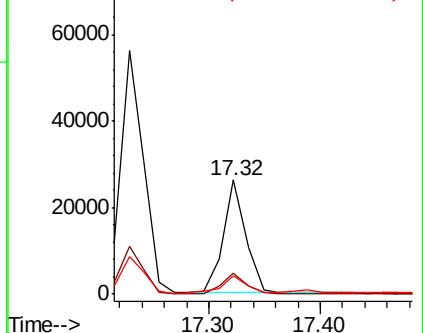
179 15.8 11.9 17.9

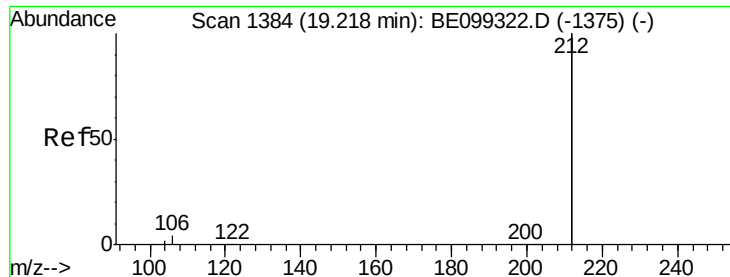


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.667 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

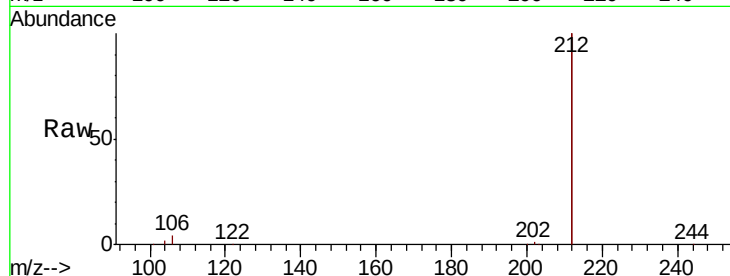
Tot Ion:212 Resp: 125401

Ion Ratio Lower Upper

212 100

106 1.9 1.8 2.6

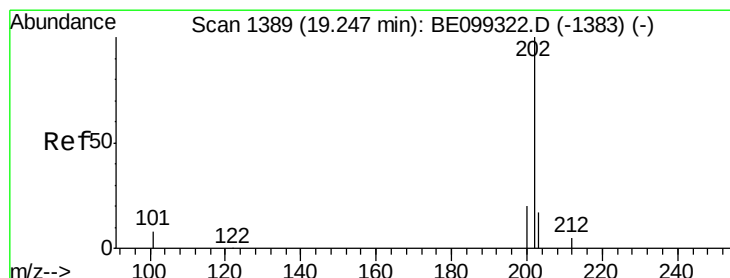
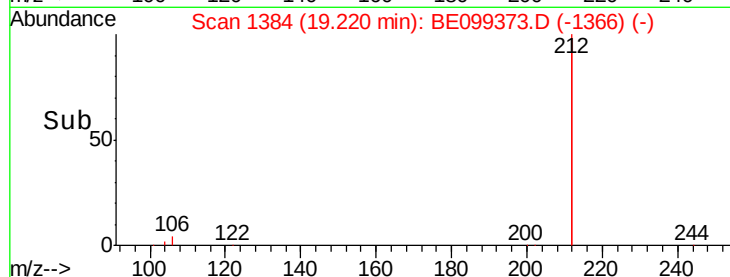
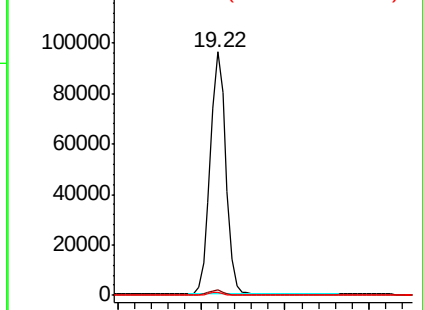
104 1.2 1.0 1.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 2.606 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

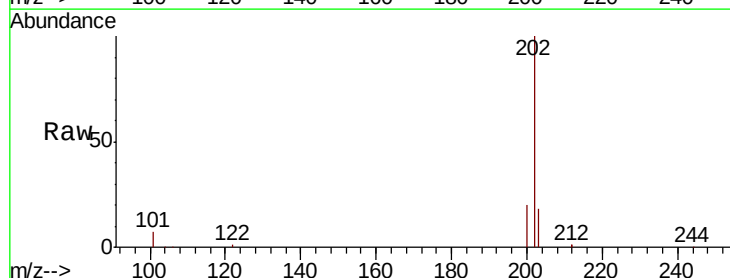
Tgt Ion:202 Resp: 144589

Ion Ratio Lower Upper

202 100

101 7.3 6.4 9.6

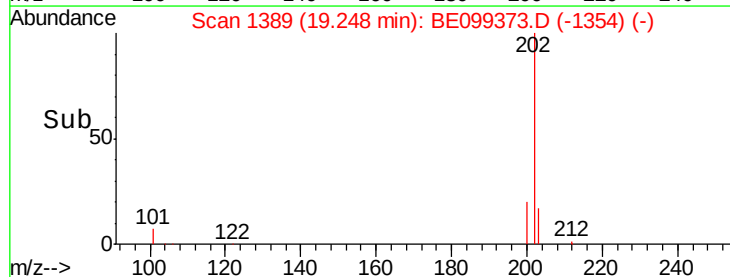
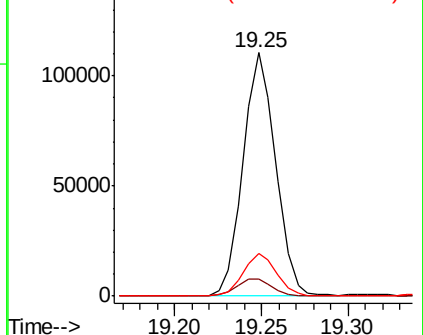
203 17.5 13.5 20.3

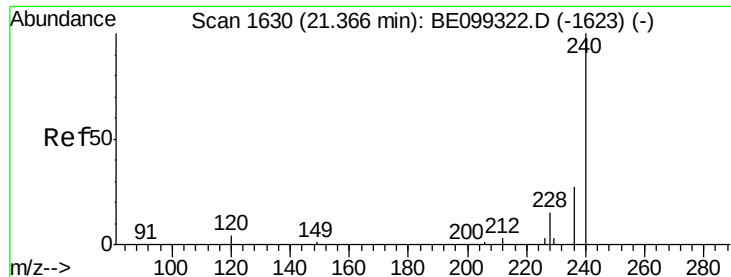


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.36 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

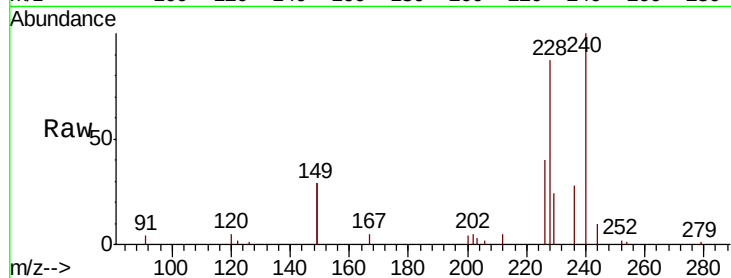
Tot Ion:240 Resp: 16563

Ion Ratio Lower Upper

240 100

120 5.0 2.2 3.2#

236 27.9 20.2 30.4

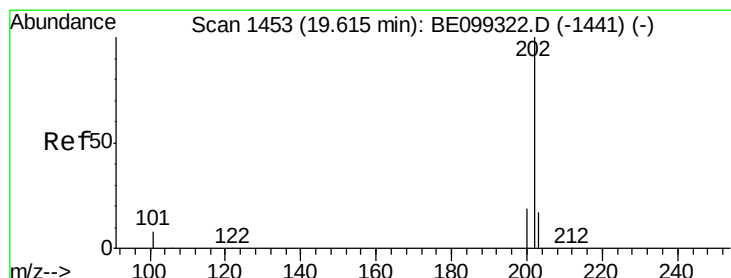
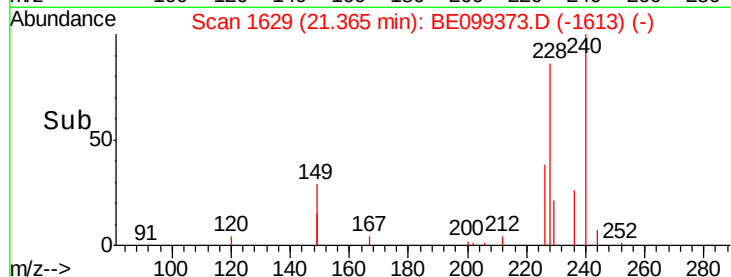
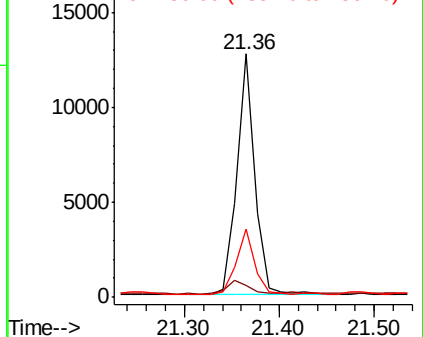


Abundance

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: 2.992 ng

RT: 19.61 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

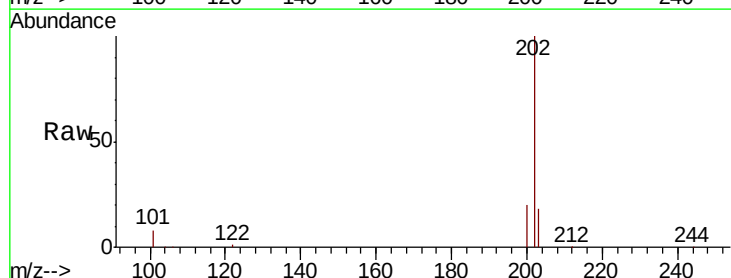
Tgt Ion:202 Resp: 145995

Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

203 19.7 13.7 20.5

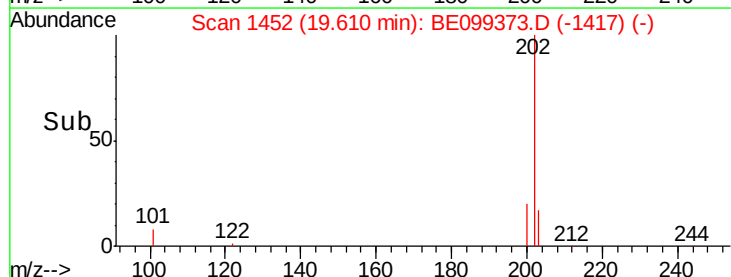
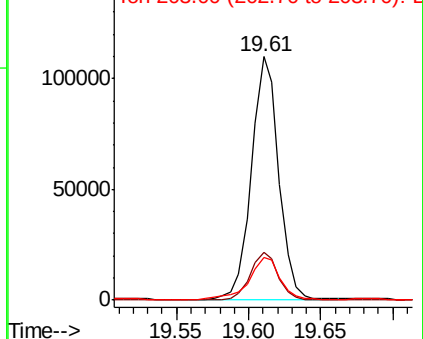


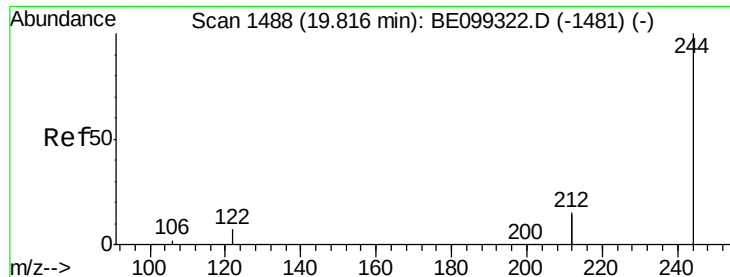
Abundance

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: 2.699 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

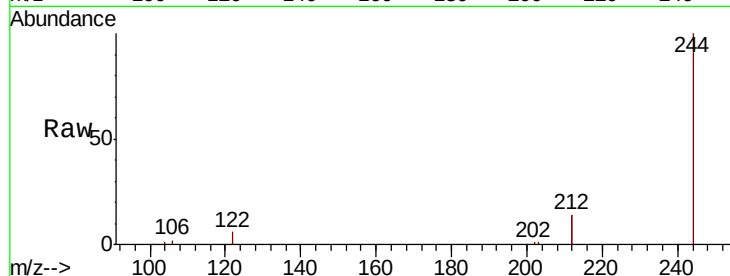
Tot Ion:244 Resp: 87999

Ion Ratio Lower Upper

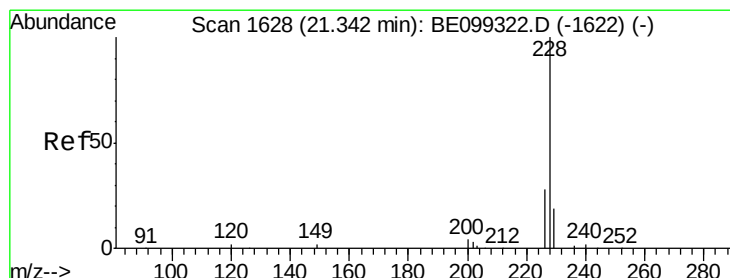
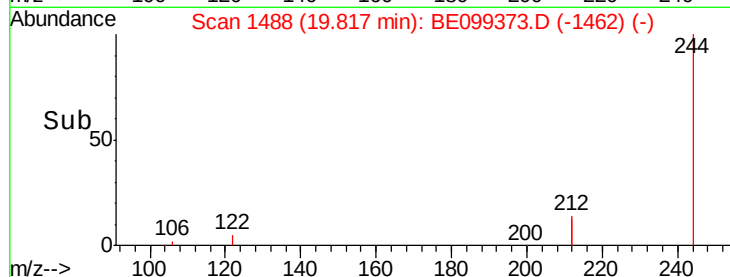
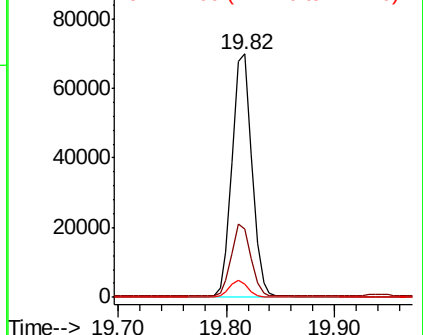
244 100

212 28.2 22.6 33.8

122 5.5 4.6 7.0



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



#30

Benzo(a)anthracene

Concen: 2.237 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

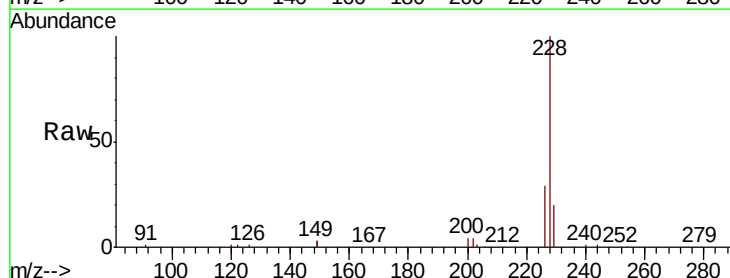
Tgt Ion:228 Resp: 108938

Ion Ratio Lower Upper

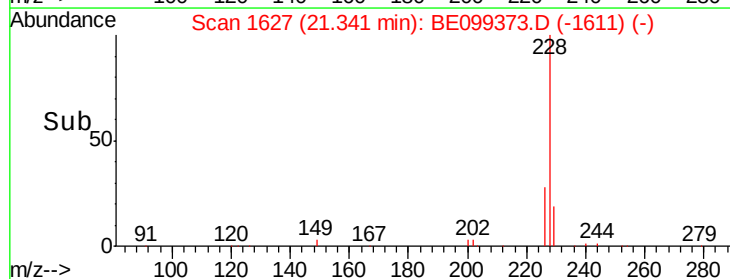
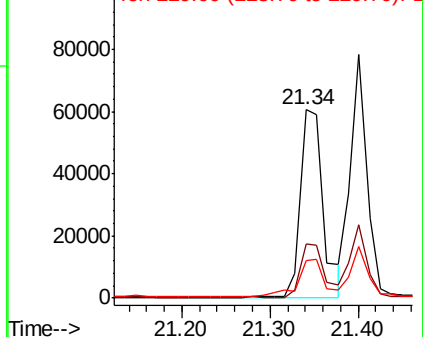
228 100

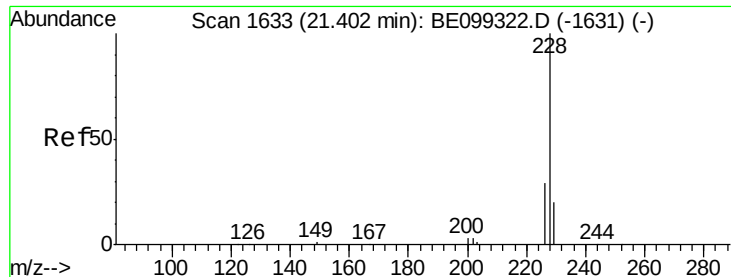
226 28.9 22.0 33.0

229 20.0 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.963 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

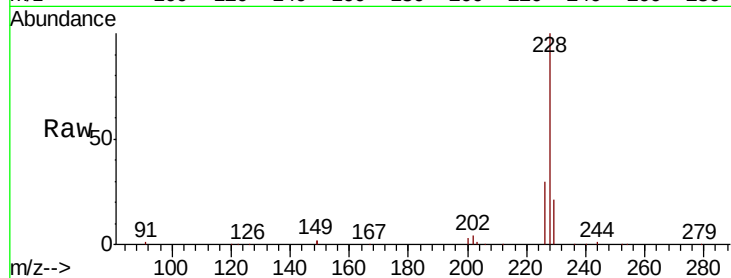
Tot Ion:228 Resp: 101719

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

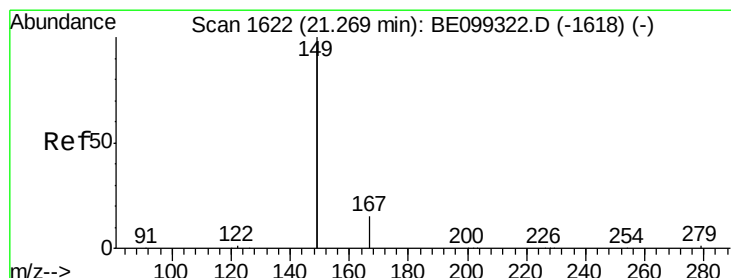
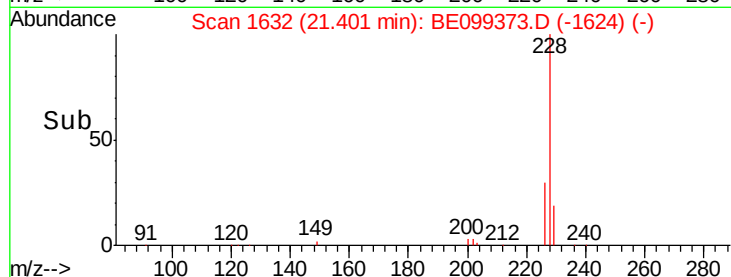
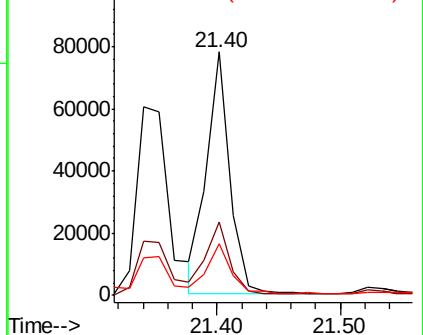
229 21.1 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 3.900 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

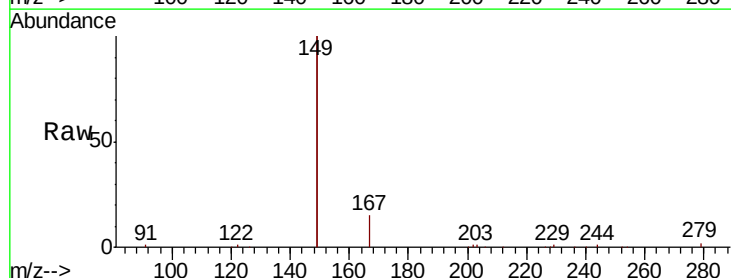
Tgt Ion:149 Resp: 172812

Ion Ratio Lower Upper

149 100

167 7.3 6.0 9.0

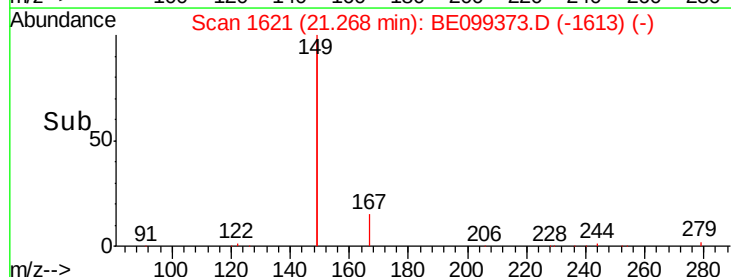
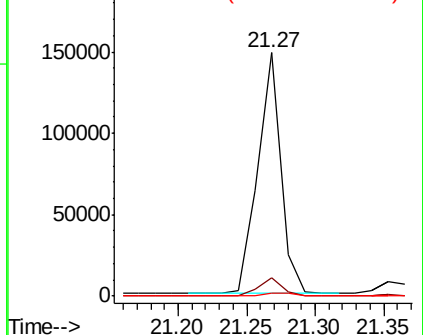
279 1.3 1.1 1.7

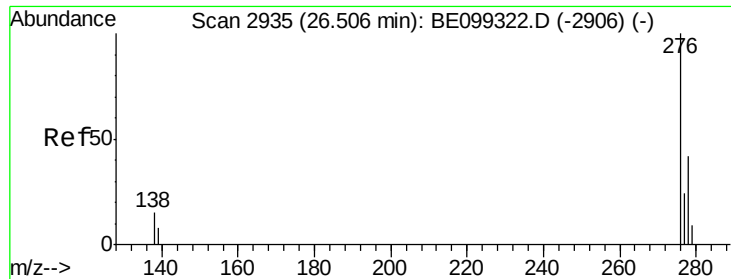


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 1.553 ng

RT: 26.51 min Scan# 2934

Delta R.T. 0.01 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

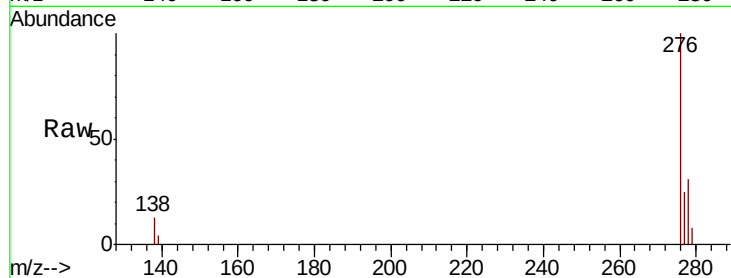
Tot Ion:276 Resp: 79474

Ion Ratio Lower Upper

276 100

138 12.8 12.7 19.1

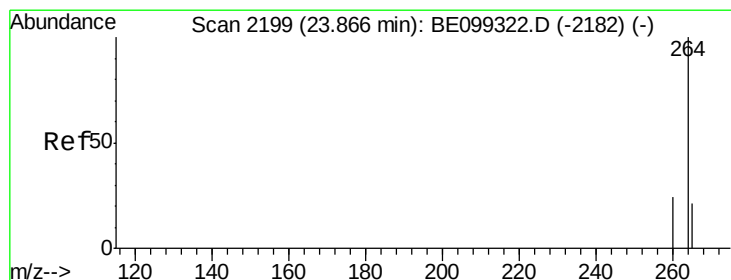
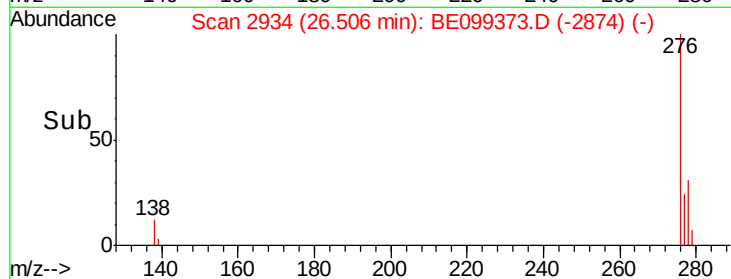
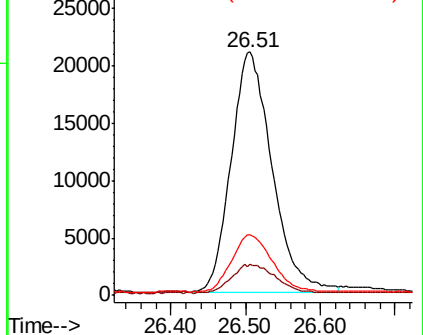
277 23.5 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

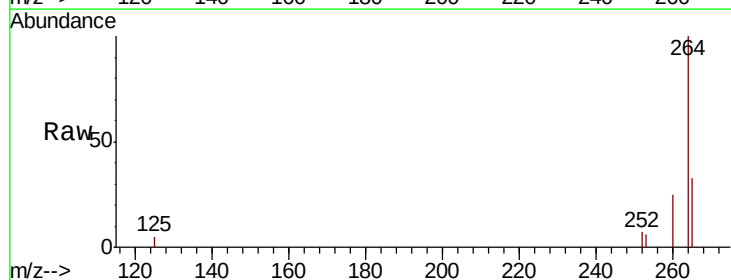
Tgt Ion:264 Resp: 18580

Ion Ratio Lower Upper

264 100

260 25.4 20.1 30.1

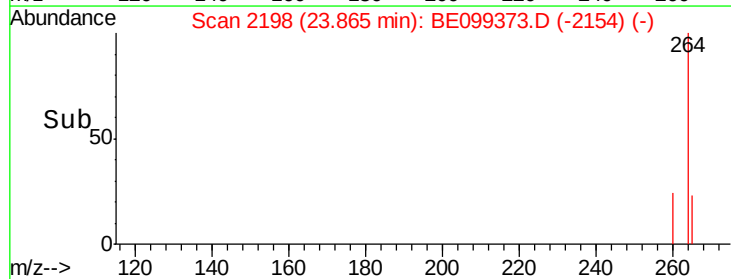
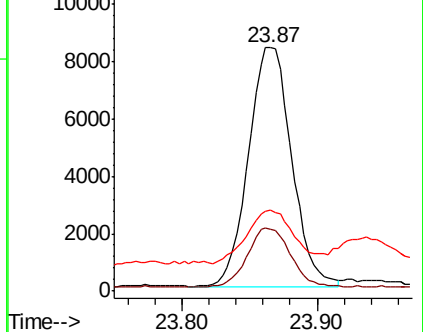
265 33.4 19.9 29.9#

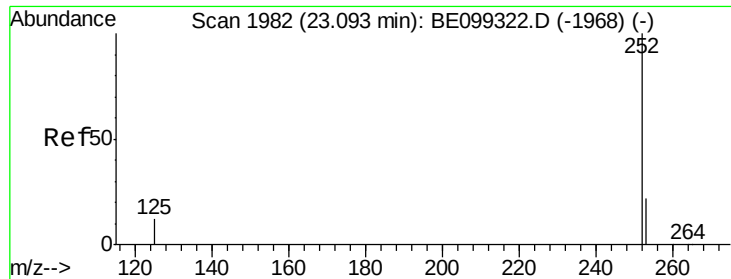


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.804 ng

RT: 23.09 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

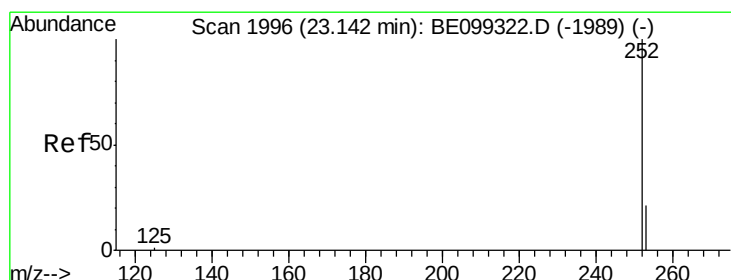
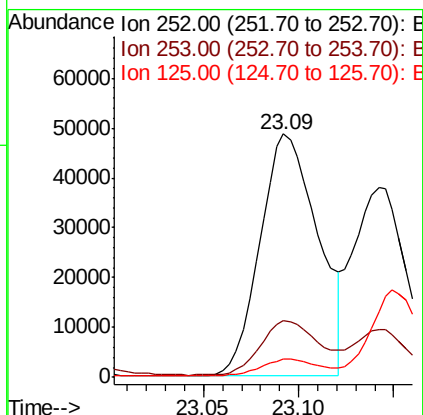
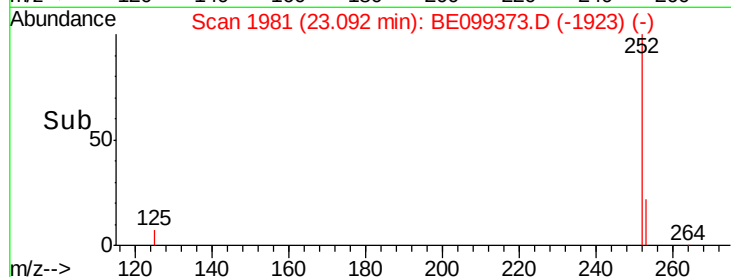
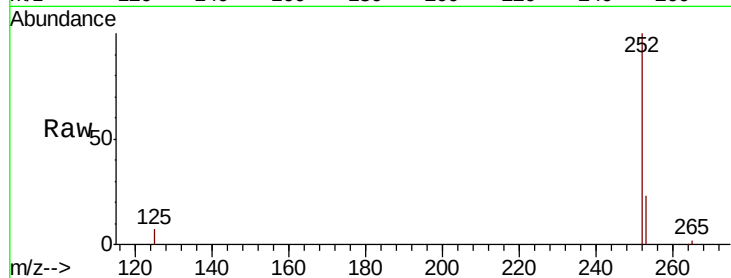
Tot Ion:252 Resp: 102596

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 7.4 5.8 8.6



#36

Benzo(k)fluoranthene

Concen: 1.809 ng

RT: 23.09 min Scan# 1981

Delta R.T. -0.04 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

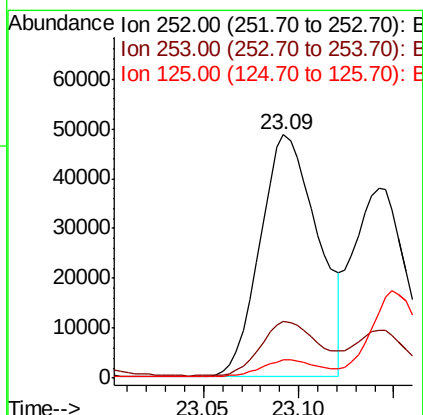
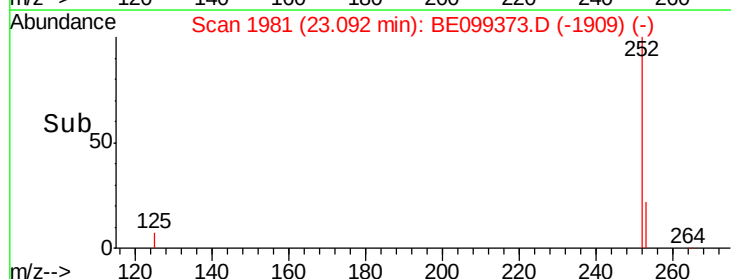
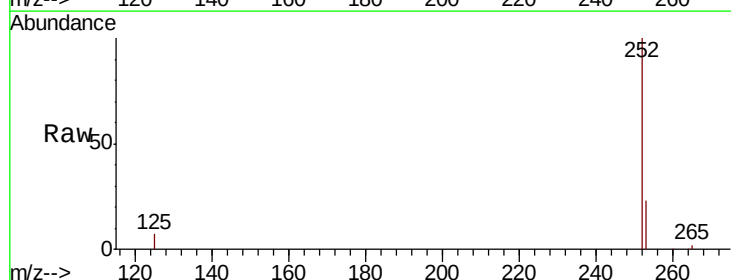
Tgt Ion:252 Resp: 102596

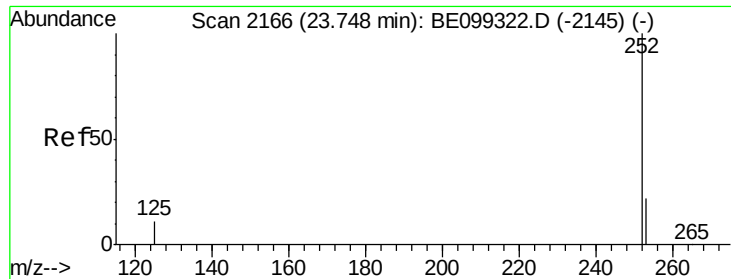
Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

125 7.4 5.4 8.0





#37

Benzo(a)pyrene

Concen: 1.712 ng

RT: 23.75 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

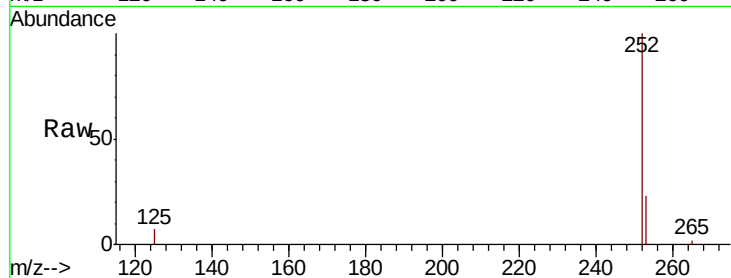
Tot Ion:252 Resp: 87226

Ion Ratio Lower Upper

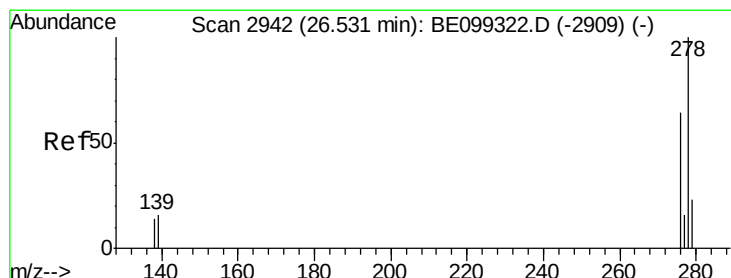
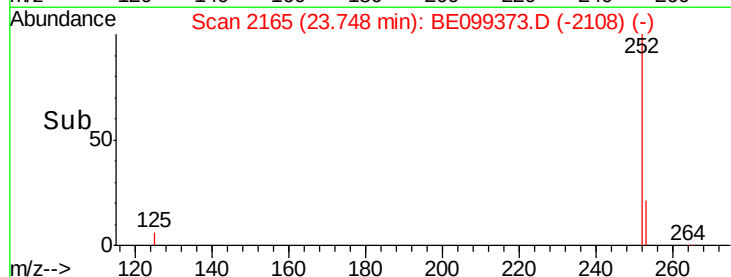
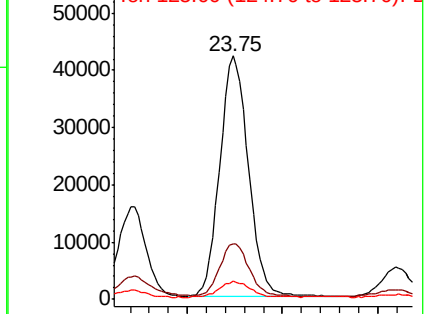
252 100

253 22.9 17.6 26.4

125 7.3 6.5 9.7



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



#38

Dibenzo(a,h)anthracene

Concen: 0.926 ng

RT: 26.54 min Scan# 2943

Delta R.T. 0.02 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

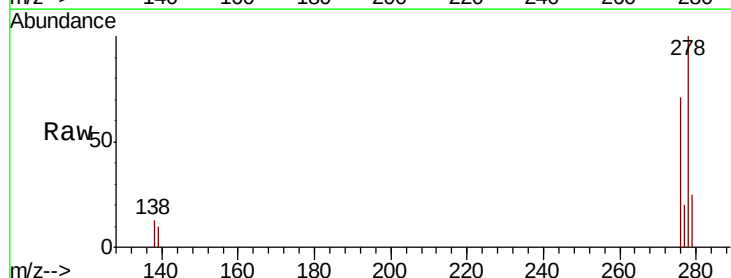
Tgt Ion:278 Resp: 48223

Ion Ratio Lower Upper

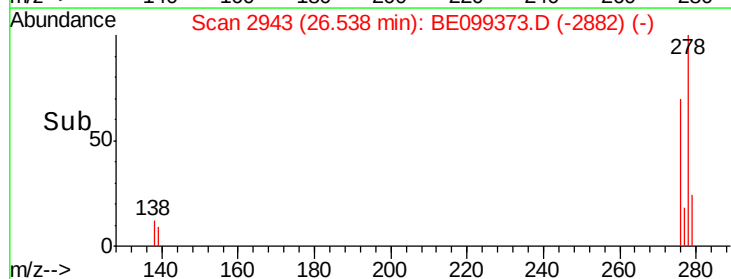
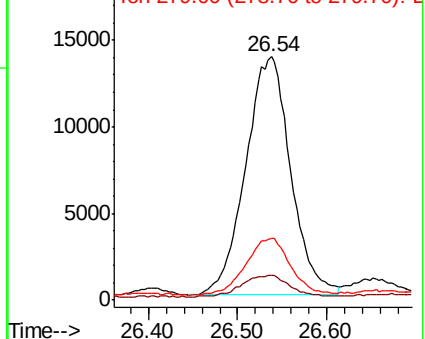
278 100

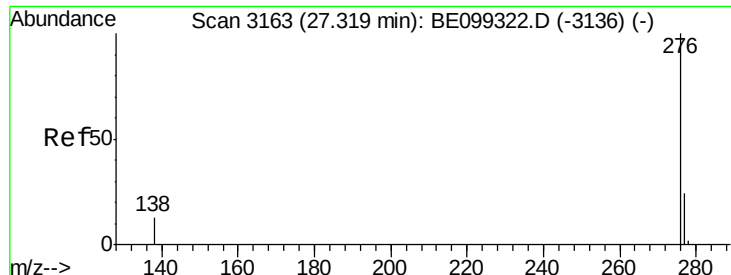
139 10.4 8.5 12.7

279 25.4 19.8 29.8



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 1.340 ng

RT: 27.32 min Scan# 3163

Delta R.T. 0.02 min

Lab File: BE099373.D

Acq: 26 Apr 2019 12:05

Instrument :

BNA_E

ClientSampleId :

PST-027-B109-042219

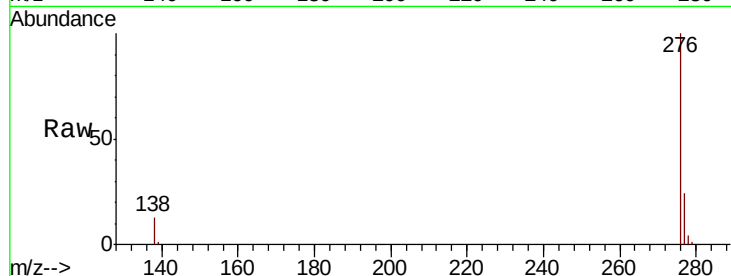
Tot Ion: 276 Resp: 70758

Ion Ratio Lower Upper

276 100

277 24.1 20.0 30.0

138 12.8 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

