

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099397.D
 Acq On : 27 Apr 2019 3:08
 Operator : JU/SJ
 Sample : K2533-13MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW005-042219MSD

Quant Time: Apr 27 05:10:13 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	2760	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	9828	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	7142	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	21370	0.40	ng	0.01
27) Chrysene-d12	21.37	240	26274	0.40	ng	0.00
34) Perylene-d12	23.88	264	29229	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	4319	0.64	ng	0.01
5) Phenol-d6	6.98	99	5730	0.60	ng	0.00
8) Nitrobenzene-d5	8.96	82	5272	0.69	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	12146	0.70	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2779	1.17	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13899	0.50	ng	0.00
25) Fluoranthene-d10	19.22	212	145109	0.57	ng	0.00
29) Terphenyl-d14	19.82	244	26078	0.50	ng	0.00

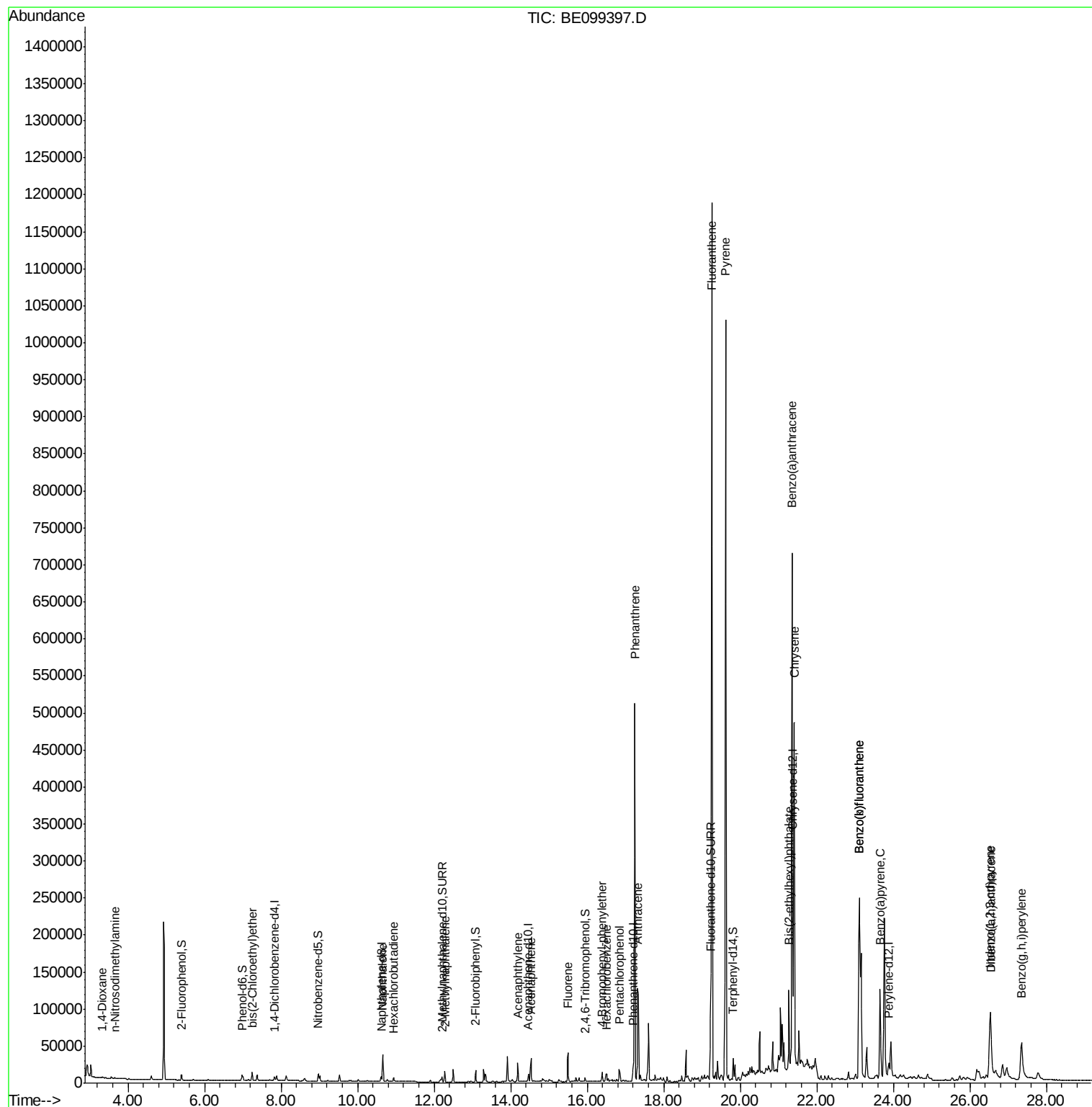
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.33	88	1354	0.350	ng	# 56
3) n-Nitrosodimethylamine	3.65	42	1235	0.594	ng	93
6) bis(2-Chloroethyl)ether	7.24	93	4432	0.494	ng	97
9) Naphthalene	10.65	128	60983	0.569	ng	100
10) Hexachlorobutadiene	10.94	225	3669	0.539	ng	96
12) 2-Methylnaphthalene	12.28	142	10514	0.576	ng	97
16) Acenaphthylene	14.18	152	28873	0.894	ng	100
17) Acenaphthene	14.53	154	16610	0.835	ng	97
18) Fluorene	15.50	166	28005	0.980	ng	100
20) 4-Bromophenyl-phenylether	16.38	248	6865	0.580	ng	# 82
21) Hexachlorobenzene	16.50	284	6407	0.563	ng	97
22) Pentachlorophenol	16.84	266	7874	1.934	ng	94
23) Phenanthrene	17.24	178	527028	9.313	ng	99
24) Anthracene	17.32	178	153285	3.045	ng	# 95
26) Fluoranthene	19.25	202	1116512	14.741	ng	97
28) Pyrene	19.62	202	983874	12.710	ng	# 93
30) Benzo(a)anthracene	21.35	228	617526	7.995	ng	99
31) Chrysene	21.42	228	508977	6.192	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	104128	1.482	ng	100
33) Indeno(1,2,3-cd)pyrene	26.53	276	196374	2.419	ng	# 92
35) Benzo(b)fluoranthene	23.11	252	484734	5.417	ng	97
36) Benzo(k)fluoranthene	23.11	252	484734	5.434	ng	99
37) Benzo(a)pyrene	23.65	252	194033	2.420	ng	98
38) Dibenzo(a,h)anthracene	26.55	278	76041	0.928	ng	97
39) Benzo(g,h,i)perylene	27.35	276	164697	1.982	ng	97

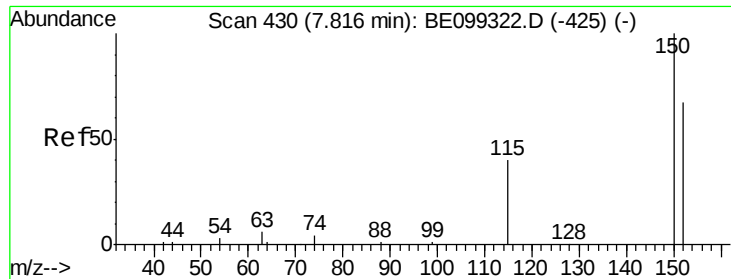
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD

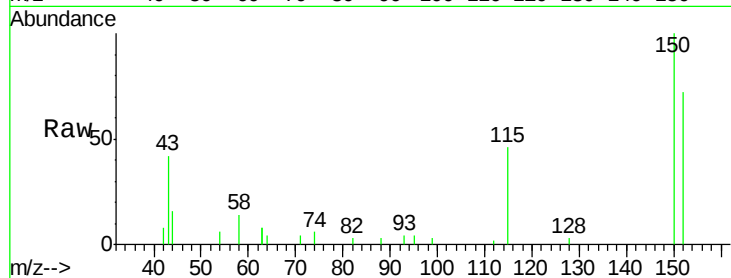
Tot Ion:152 Resp: 2760

Ion Ratio Lower Upper

152 100

150 138.0 119.5 179.3

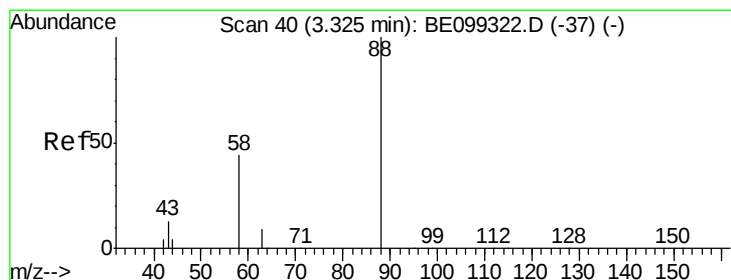
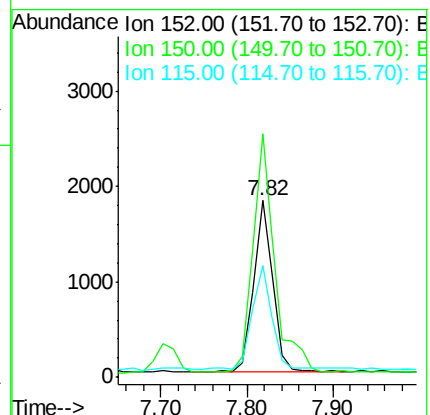
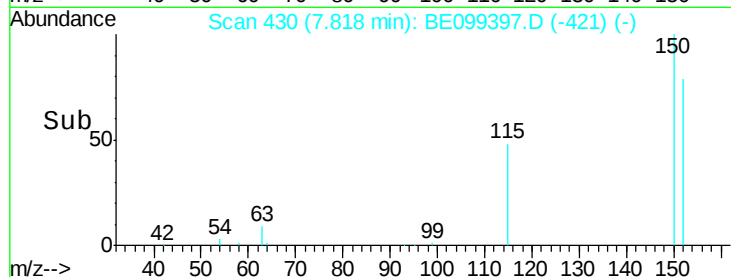
115 63.5 47.5 71.3



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: 0.350 ng

RT: 3.33 min Scan# 40

Delta R.T. 0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

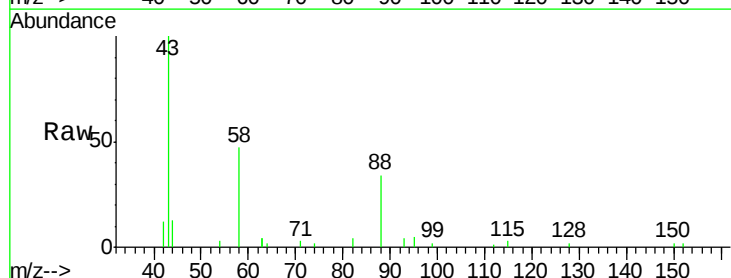
Tgt Ion: 88 Resp: 1354

Ion Ratio Lower Upper

88 100

58 64.7 49.1 73.7

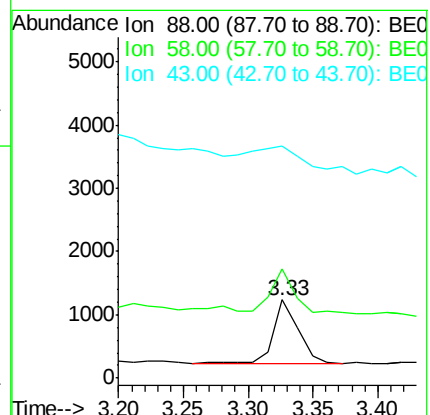
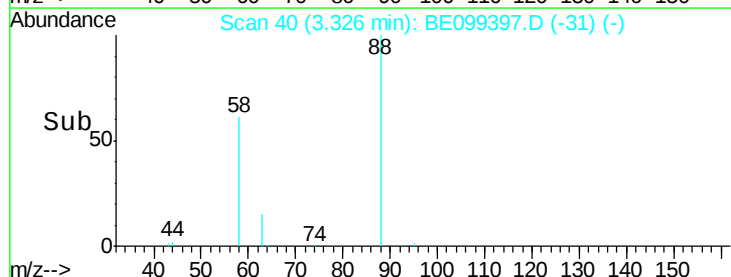
43 96.1 17.9 26.9#

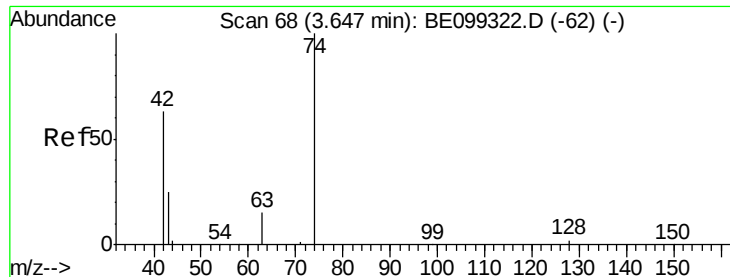


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.594 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

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ClientSampleId :

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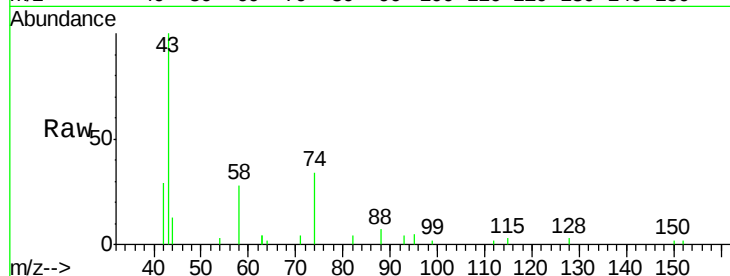
Tot Ion: 42 Resp: 1235

Ion Ratio Lower Upper

42 100

74 172.5 145.8 218.8

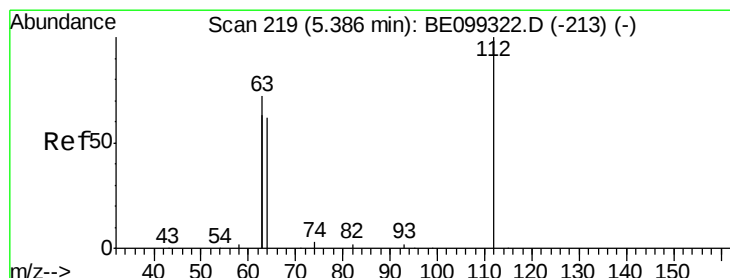
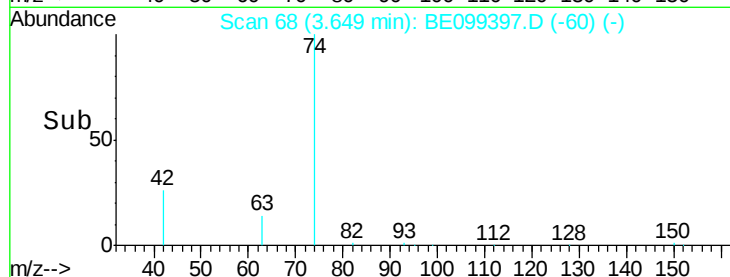
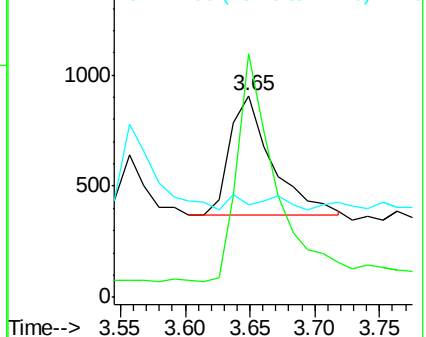
44 11.7 9.0 13.4



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.640 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

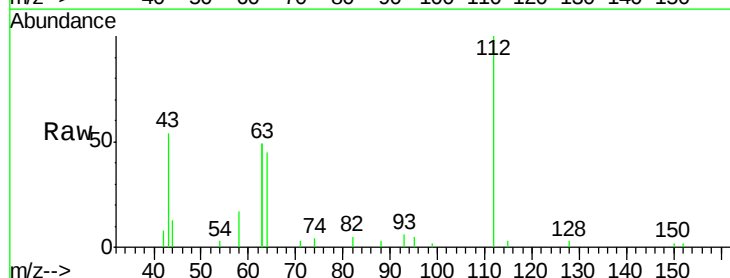
Tgt Ion: 112 Resp: 4319

Ion Ratio Lower Upper

112 100

64 56.4 44.9 67.3

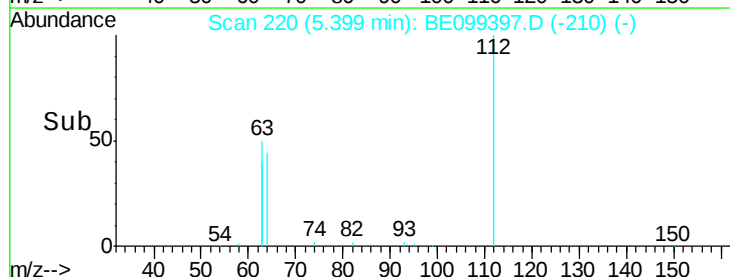
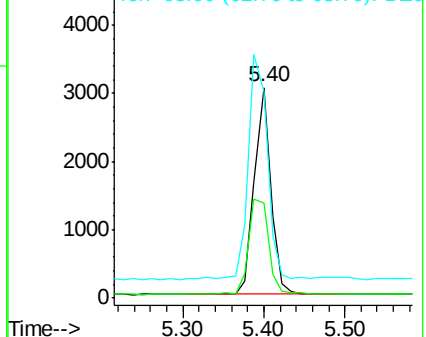
63 122.5 97.4 146.0

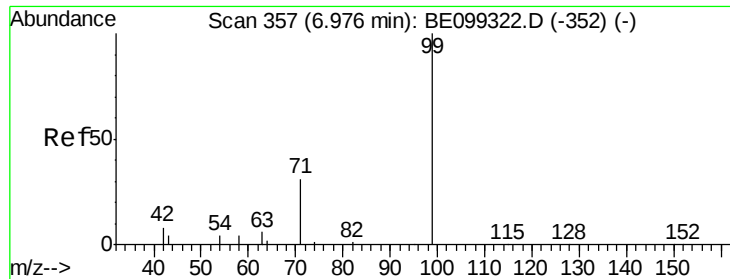


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.595 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

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PST-028-SW005-042219MSD

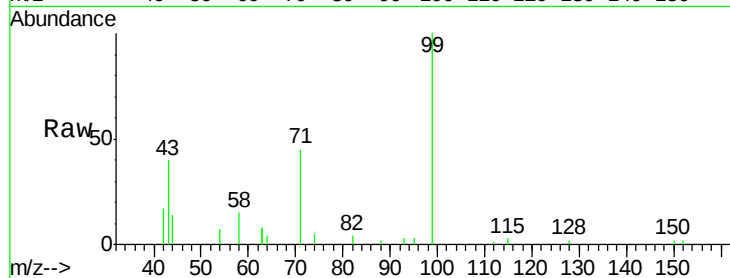
Tot Ion: 99 Resp: 5730

Ion Ratio Lower Upper

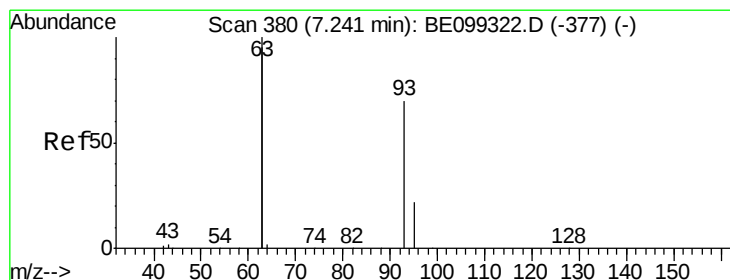
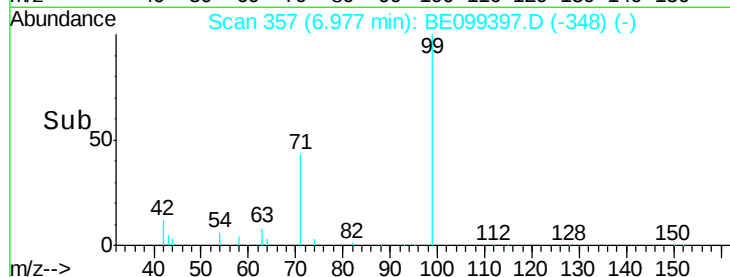
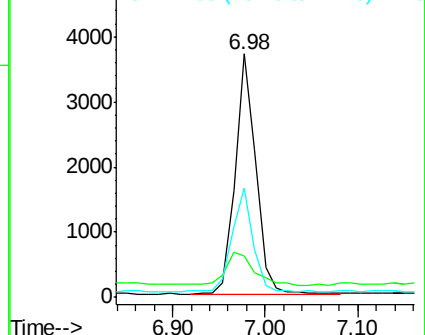
99 100

42 17.6 11.7 17.5#

71 44.6 29.6 44.4#



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.494 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

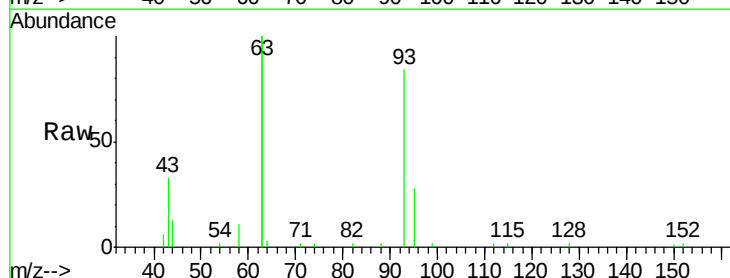
Tgt Ion: 93 Resp: 4432

Ion Ratio Lower Upper

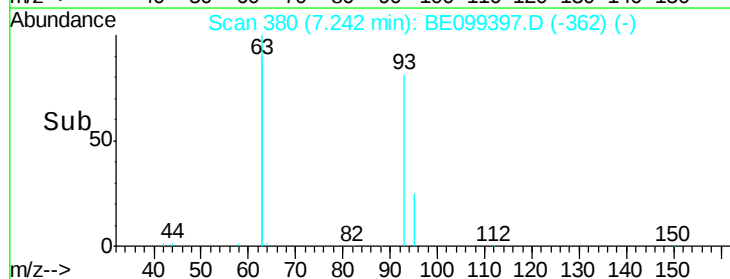
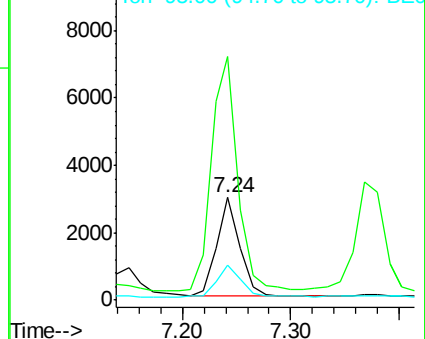
93 100

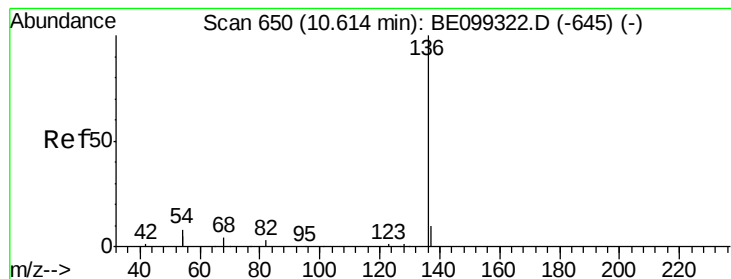
63 264.4 216.6 324.8

95 33.4 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: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD

Tot Ion:136 Resp: 9828

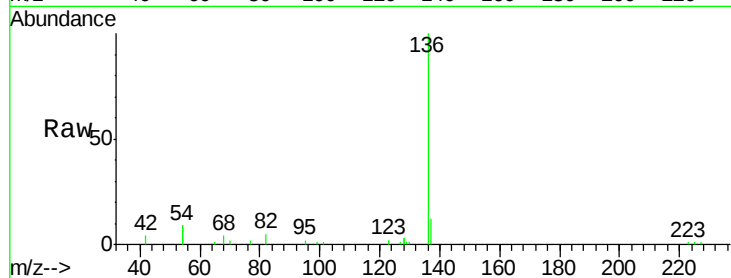
Ion Ratio Lower Upper

136 100

137 12.5 8.7 13.1

54 17.5 23.8 35.8#

68 4.4 6.4 9.6#

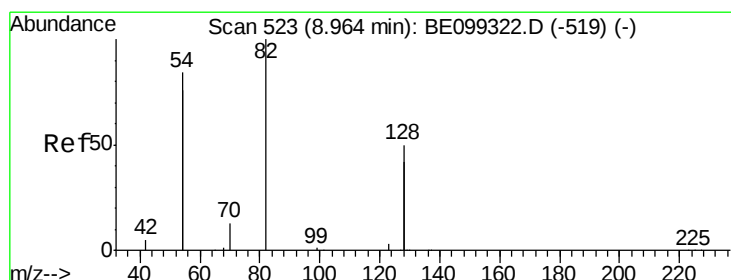
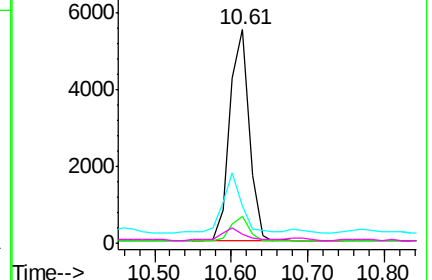
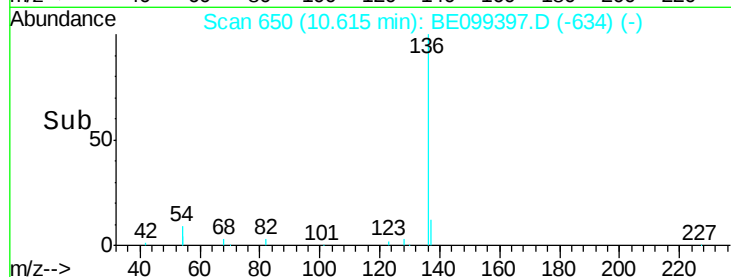


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.691 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

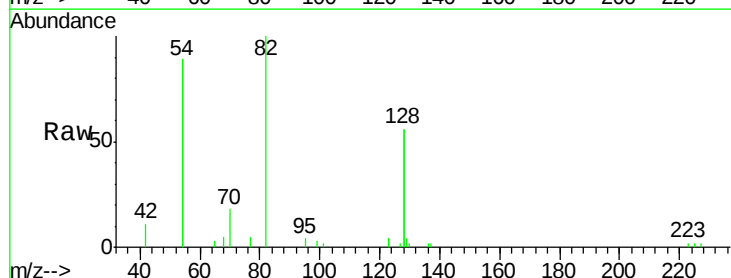
Tgt Ion: 82 Resp: 5272

Ion Ratio Lower Upper

82 100

128 111.5 91.7 137.5

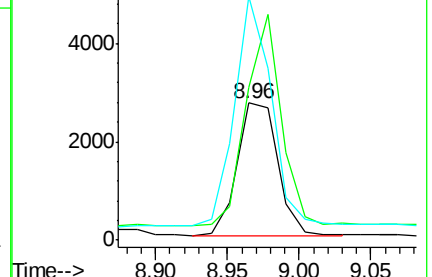
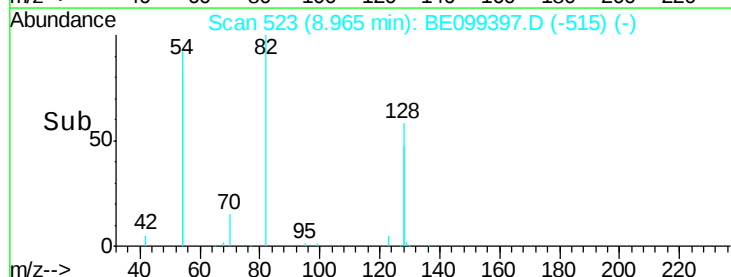
54 177.8 122.8 184.2

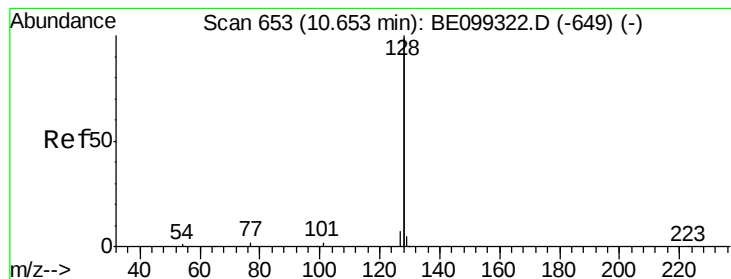


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.569 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD

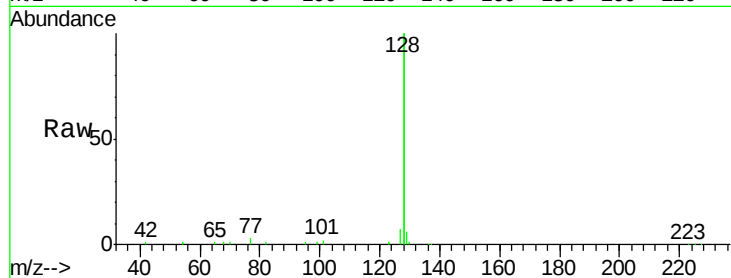
Tot Ion:128 Resp: 60983

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

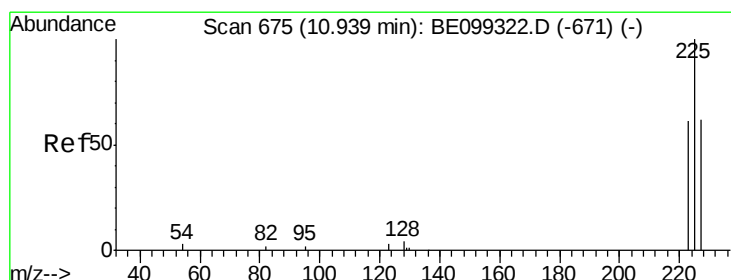
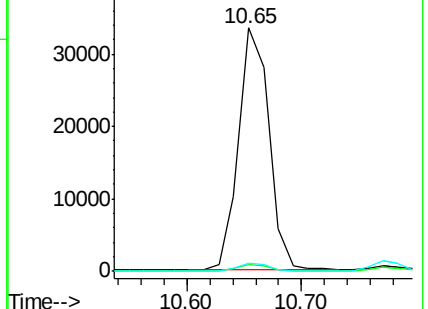
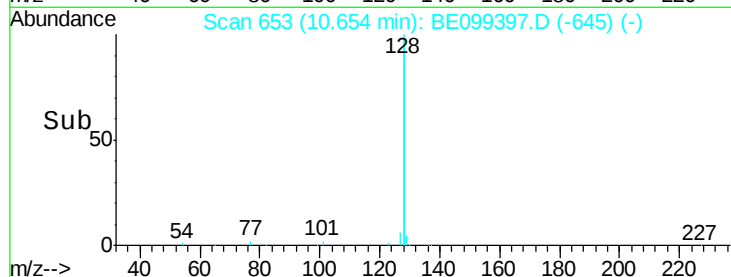
127 3.4 2.8 4.2



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: 0.539 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

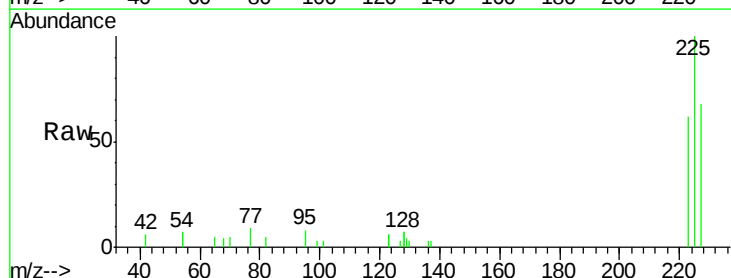
Tgt Ion:225 Resp: 3669

Ion Ratio Lower Upper

225 100

223 64.6 50.3 75.5

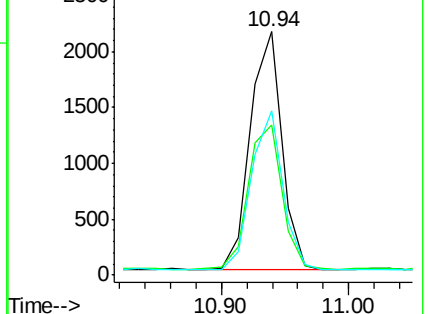
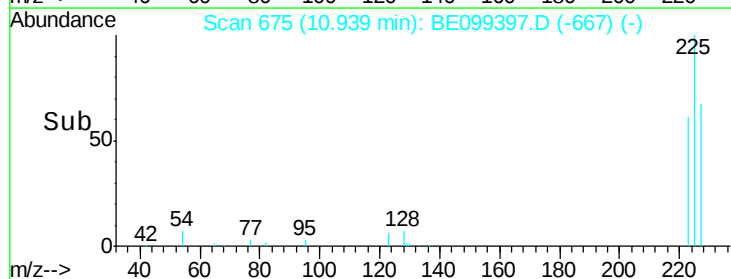
227 66.0 49.4 74.0

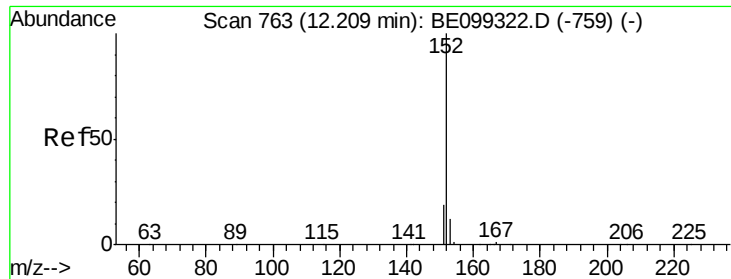


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

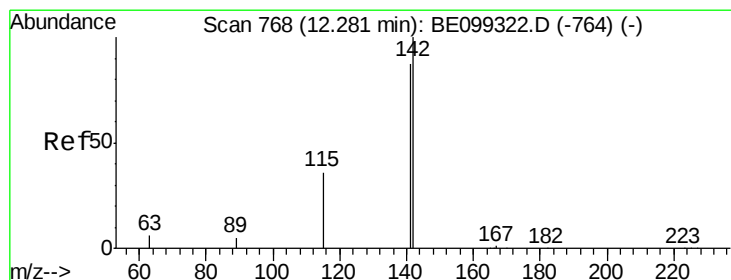
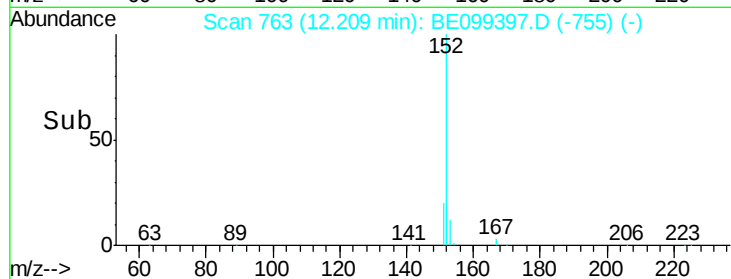
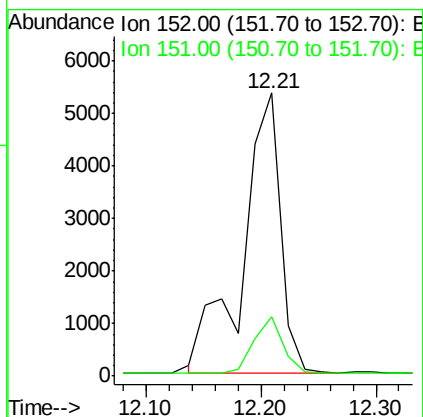
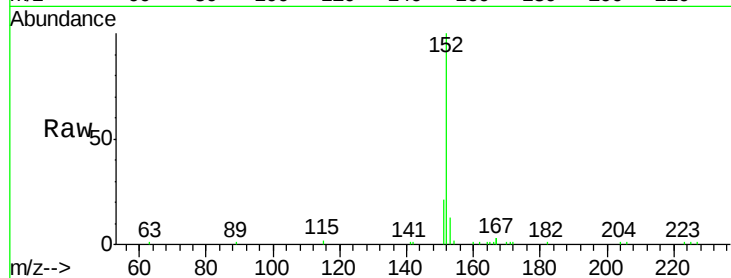




#11
 2-Methylnaphthalene-d10
 Concen: 0.700 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099397.D
 Acq: 27 Apr 2019 3:08

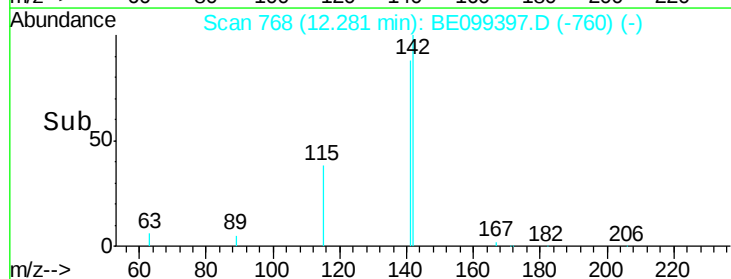
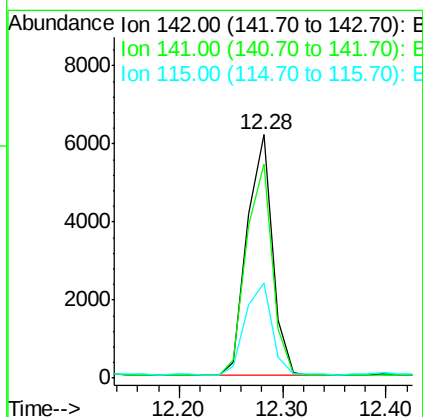
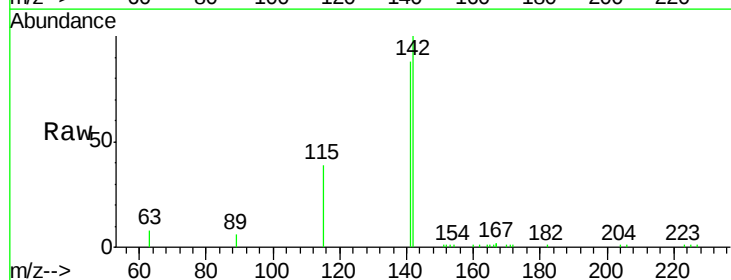
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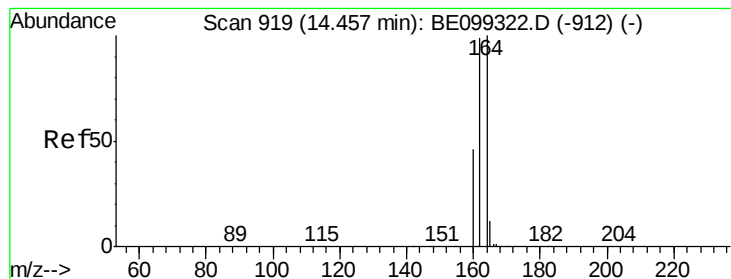
Tot Ion:152 Resp: 12146
 Ion Ratio Lower Upper
 152 100
 151 15.5 14.9 22.3



#12
 2-Methylnaphthalene
 Concen: 0.576 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099397.D
 Acq: 27 Apr 2019 3:08

Tgt Ion:142 Resp: 10514
 Ion Ratio Lower Upper
 142 100
 141 87.8 72.0 108.0
 115 39.0 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: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD

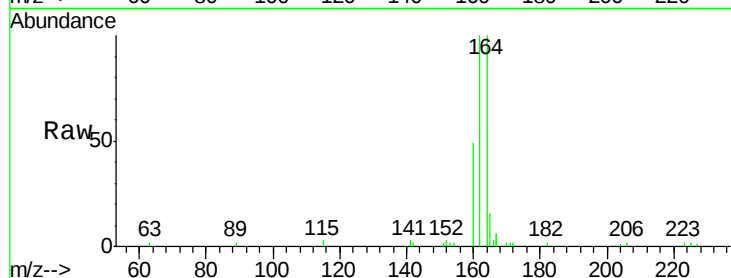
Tot Ion:164 Resp: 7142

Ion Ratio Lower Upper

164 100

162 99.7 77.8 116.6

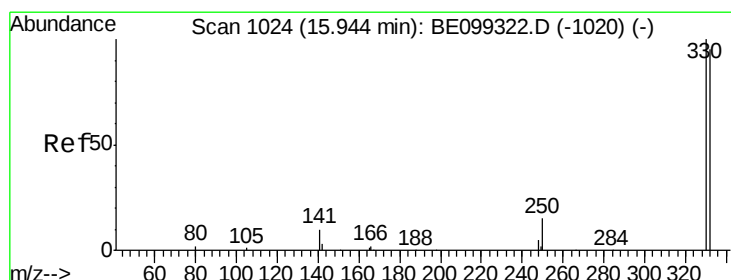
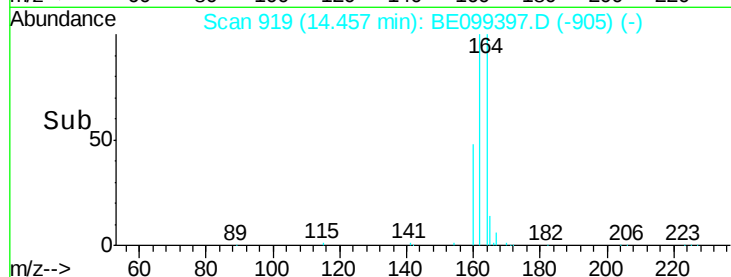
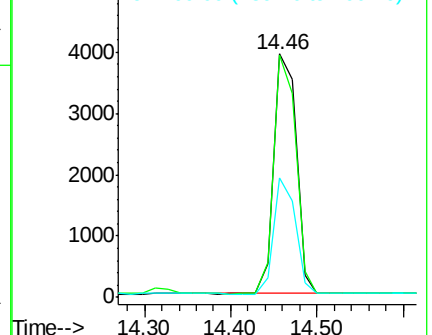
160 49.0 37.1 55.7



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: 1.171 ng

RT: 15.94 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

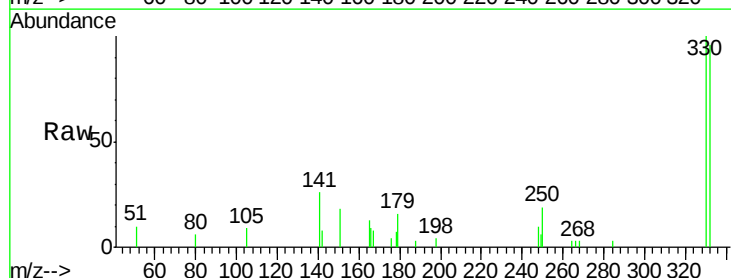
Tgt Ion:330 Resp: 2779

Ion Ratio Lower Upper

330 100

332 93.7 82.5 123.7

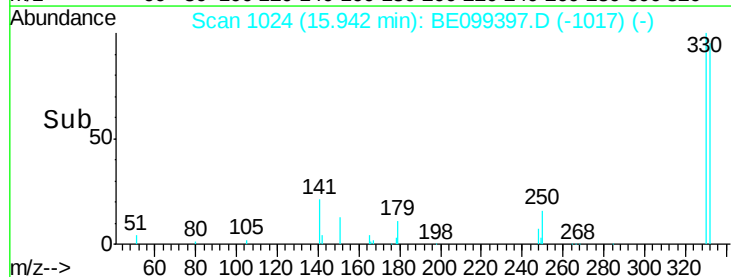
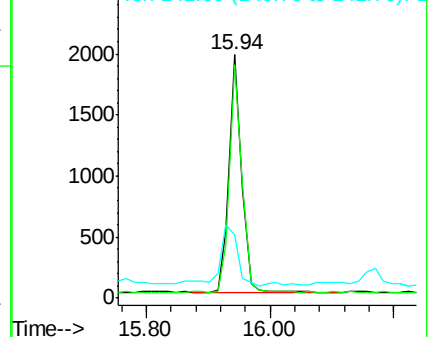
141 33.6 24.9 37.3

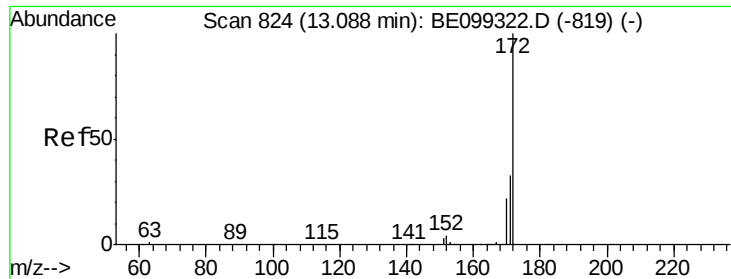


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

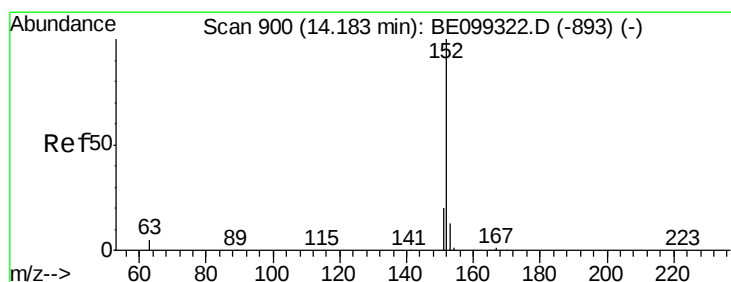
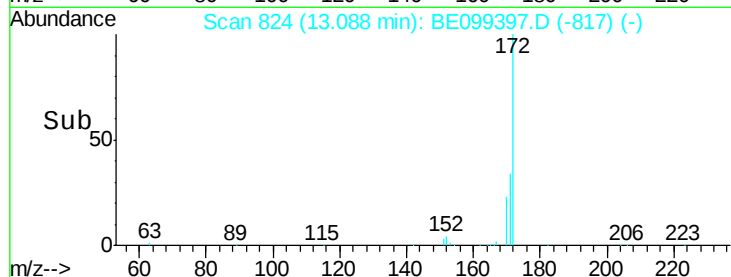
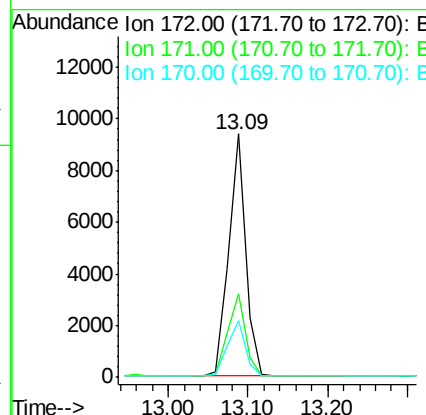
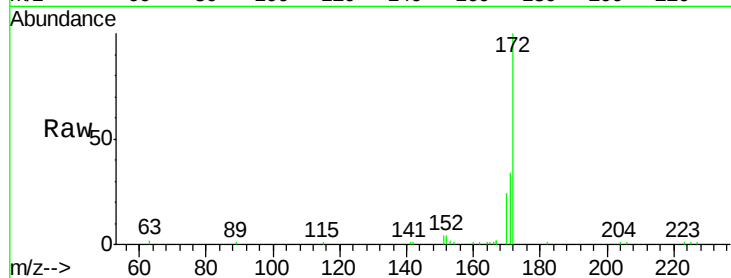




#15
2-Fluorobiphenyl
Concen: 0.495 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099397.D
Acq: 27 Apr 2019 3:08

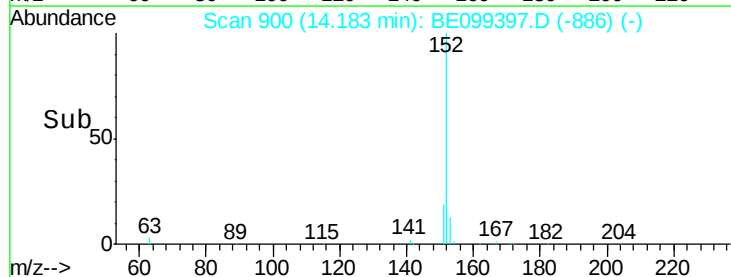
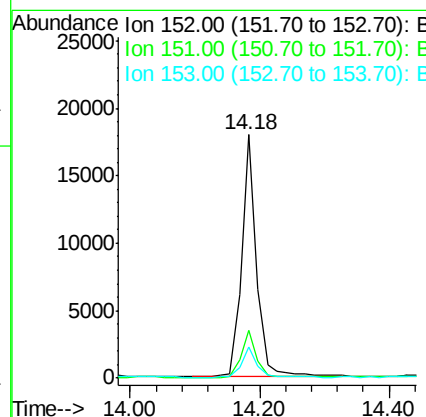
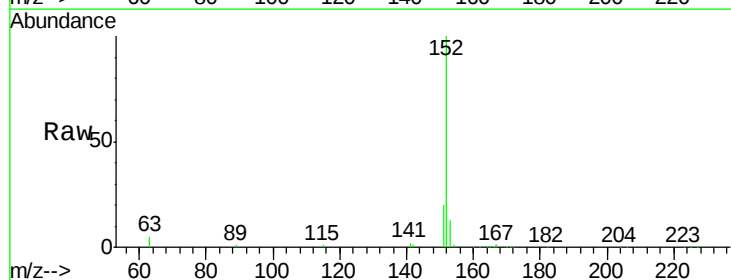
Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MSD

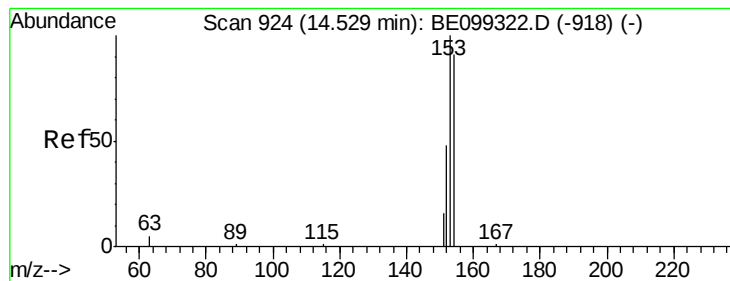
Tot Ion:172 Resp: 13899
Ion Ratio Lower Upper
172 100
171 34.4 26.2 39.2
170 23.5 18.1 27.1



#16
Acenaphthylene
Concen: 0.894 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099397.D
Acq: 27 Apr 2019 3:08

Tgt Ion:152 Resp: 28873
Ion Ratio Lower Upper
152 100
151 19.3 15.5 23.3
153 12.7 10.2 15.4





#17

Acenaphthene

Concen: 0.835 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD

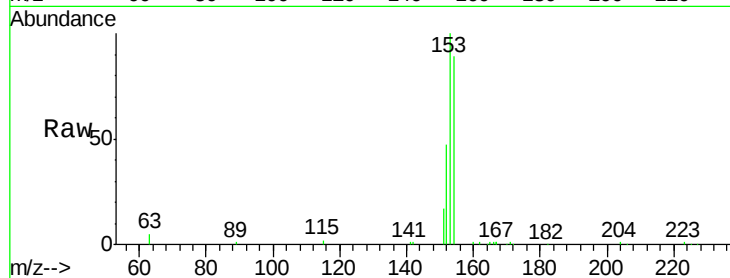
Tot Ion:154 Resp: 16610

Ion Ratio Lower Upper

154 100

153 115.2 94.7 142.1

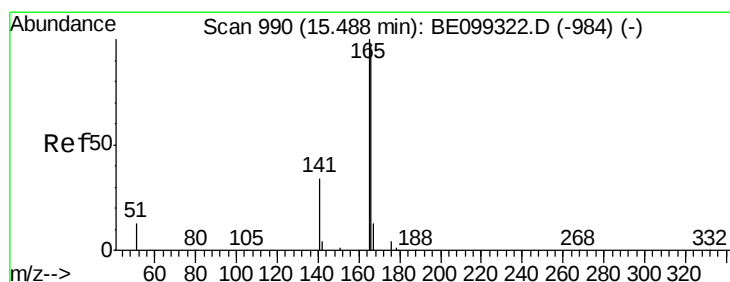
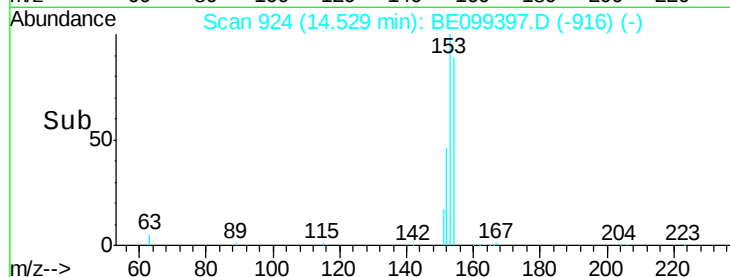
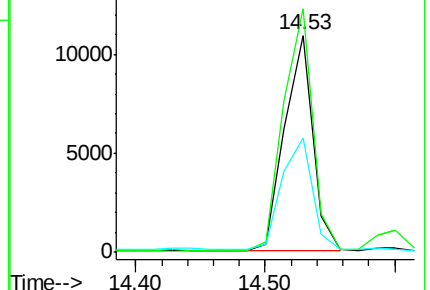
152 55.7 46.4 69.6



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: 0.980 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.01 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

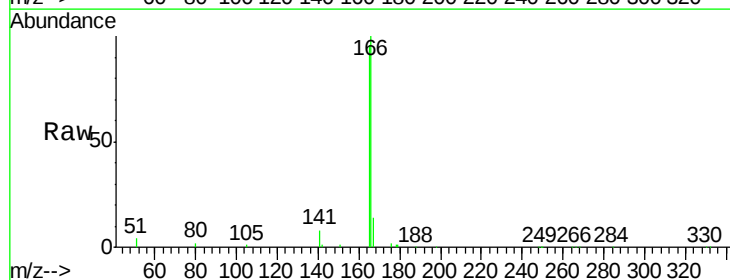
Tgt Ion:166 Resp: 28005

Ion Ratio Lower Upper

166 100

165 99.8 79.7 119.5

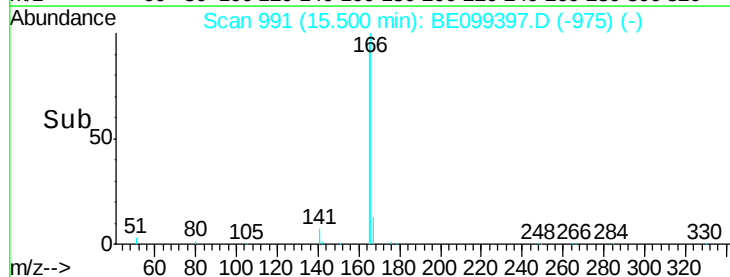
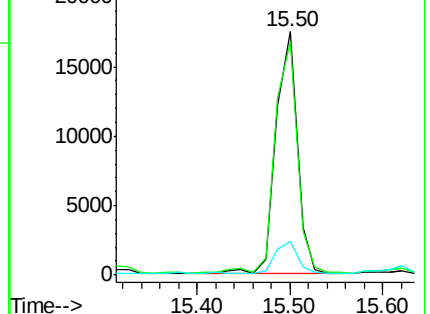
167 14.7 11.0 16.4

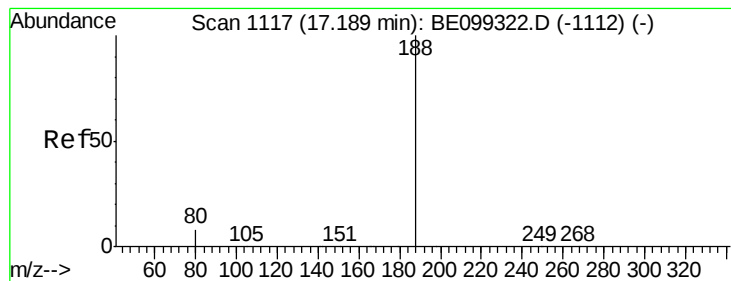


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD

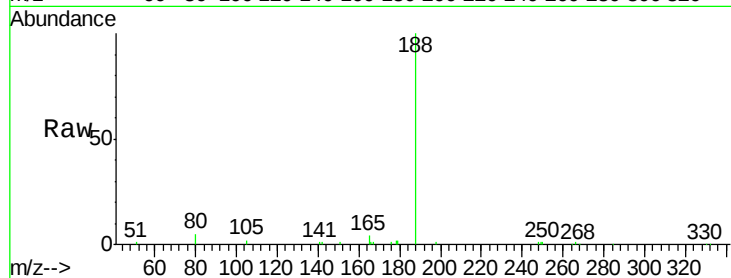
Tot Ion:188 Resp: 21370

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

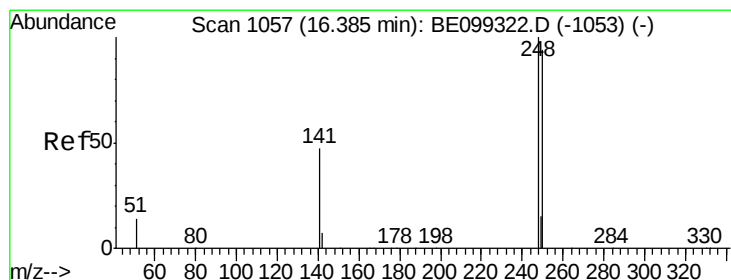
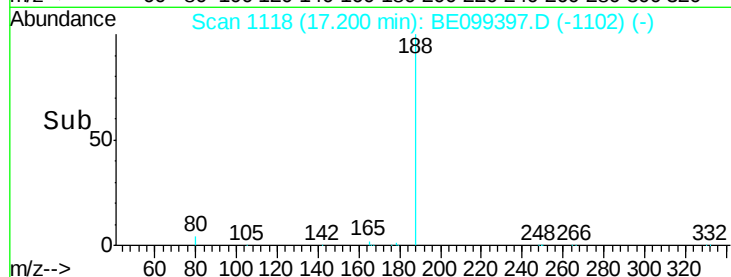
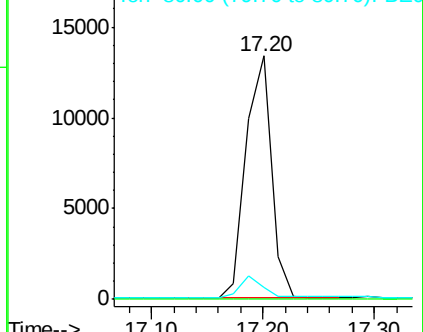
80 5.0 6.2 9.4#



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: 0.580 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

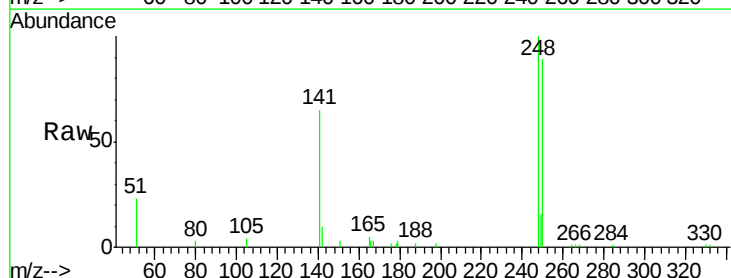
Tgt Ion:248 Resp: 6865

Ion Ratio Lower Upper

248 100

250 88.5 77.0 115.6

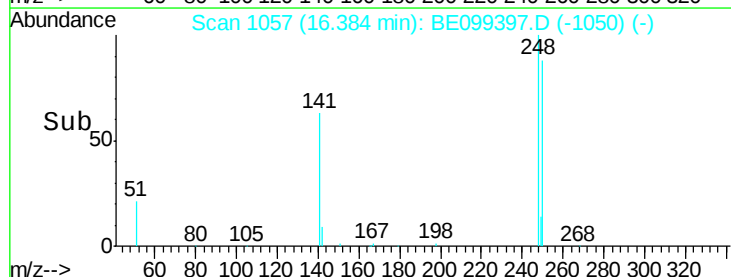
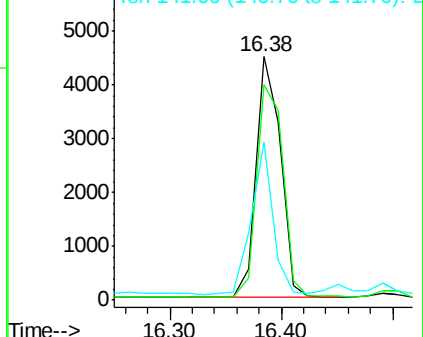
141 64.7 31.1 46.7#

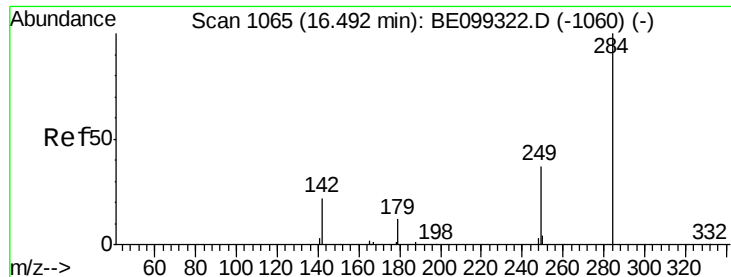


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

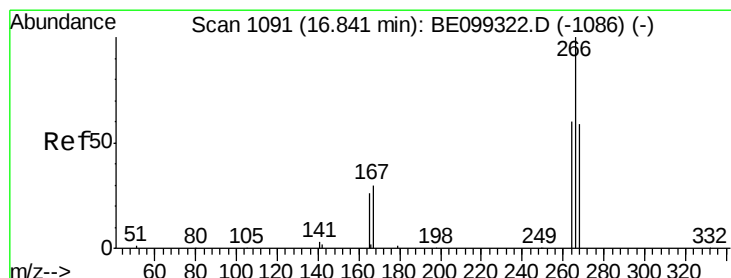
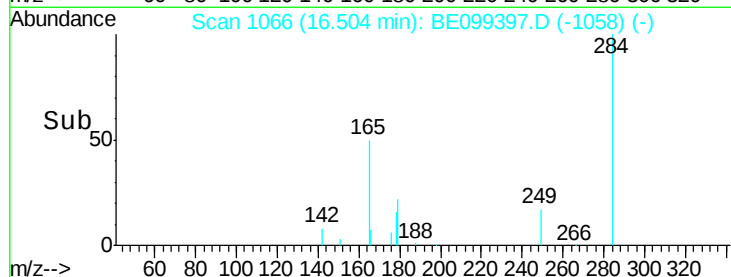
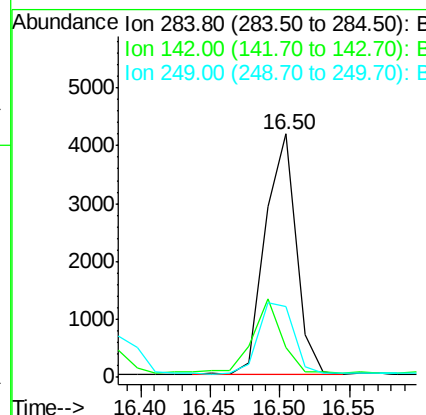
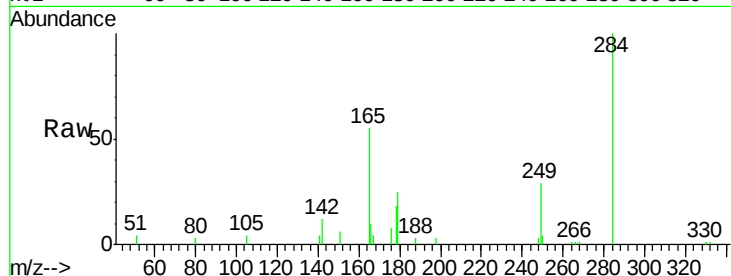




#21
Hexachlorobenzene
Concen: 0.563 ng
RT: 16.50 min Scan# 1066
Delta R.T. 0.01 min
Lab File: BE099397.D
Acq: 27 Apr 2019 3:08

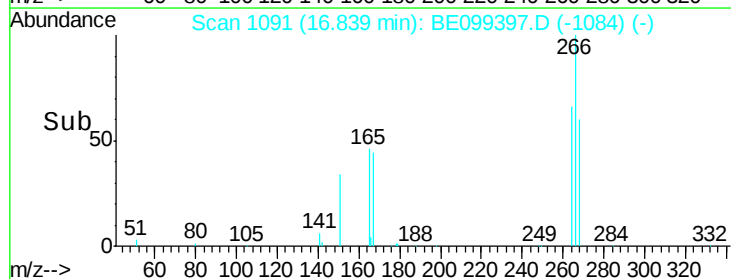
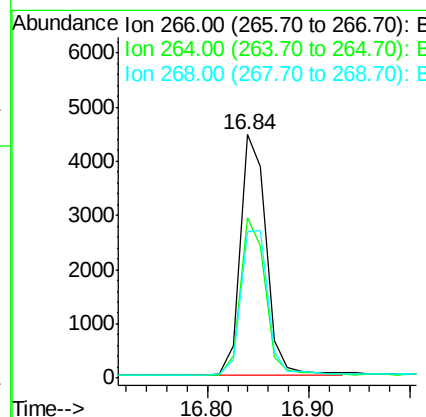
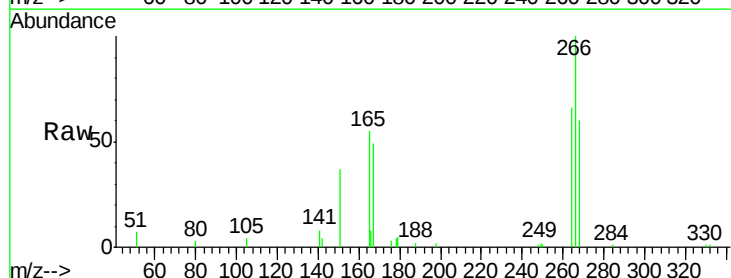
Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MSD

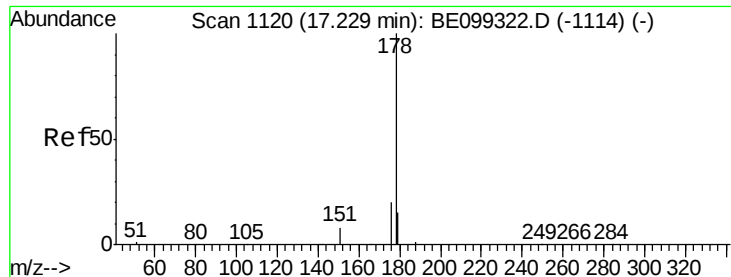
Tot Ion:284 Resp: 6407
Ion Ratio Lower Upper
284 100
142 29.0 21.8 32.6
249 33.9 26.2 39.4



#22
Pentachlorophenol
Concen: 1.934 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE099397.D
Acq: 27 Apr 2019 3:08

Tgt Ion:266 Resp: 7874
Ion Ratio Lower Upper
266 100
264 66.1 54.5 81.7
268 60.3 54.3 81.5





#23

Phenanthrene

Concen: 9.313 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD

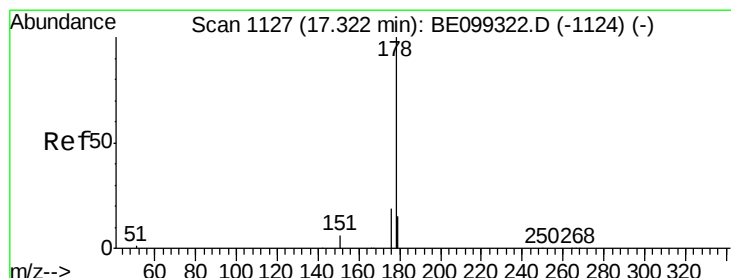
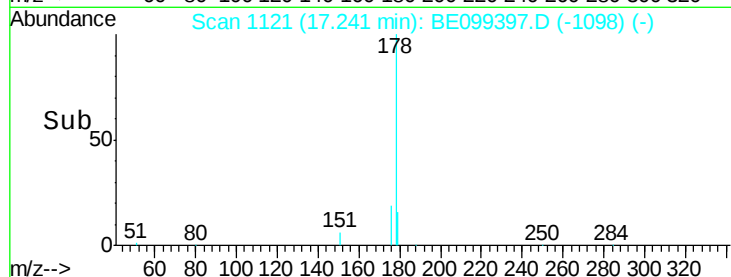
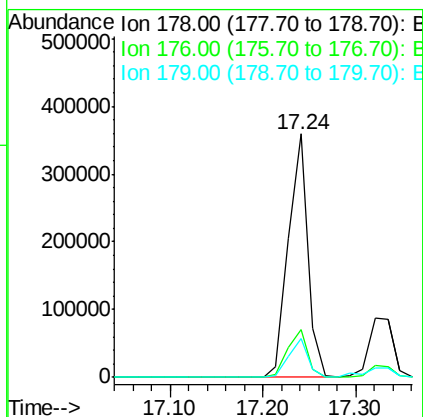
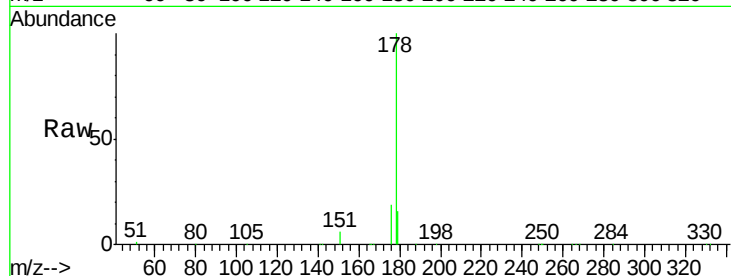
Tot Ion:178 Resp: 527028

Ion Ratio Lower Upper

178 100

176 19.8 15.3 22.9

179 15.8 12.4 18.6



#24

Anthracene

Concen: 3.045 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

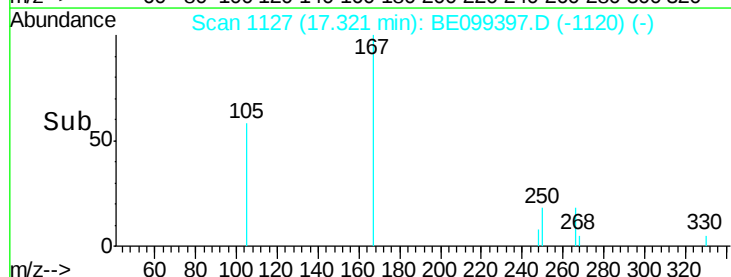
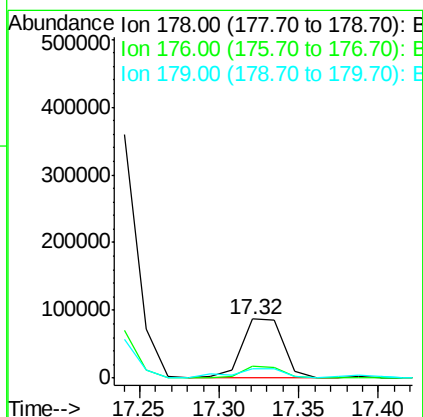
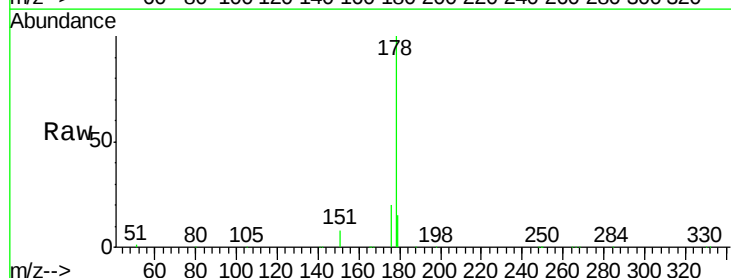
Tgt Ion:178 Resp: 153285

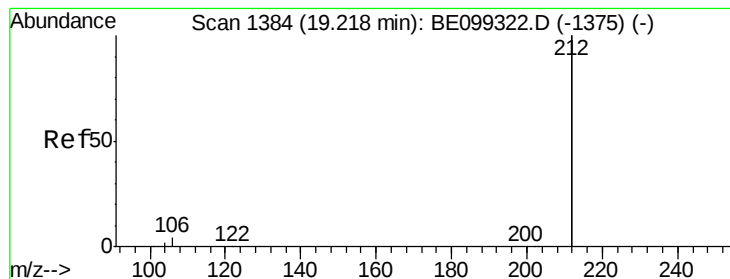
Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 19.6 11.9 17.9#





#25

Fluoranthene-d10

Concen: 0.565 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD

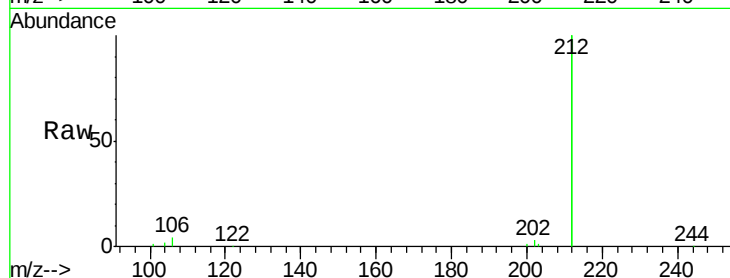
Tot Ion:212 Resp: 145109

Ion Ratio Lower Upper

212 100

106 1.8 1.8 2.6

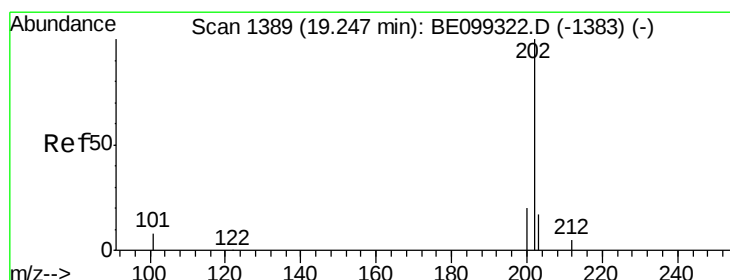
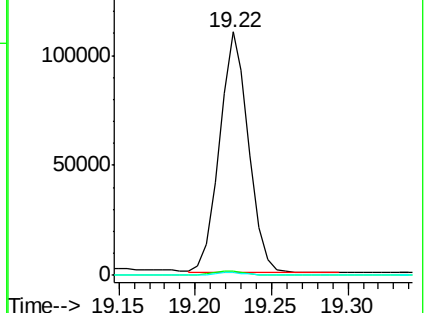
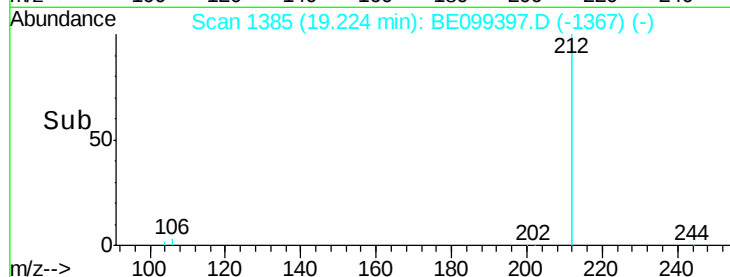
104 1.1 1.0 1.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 14.741 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

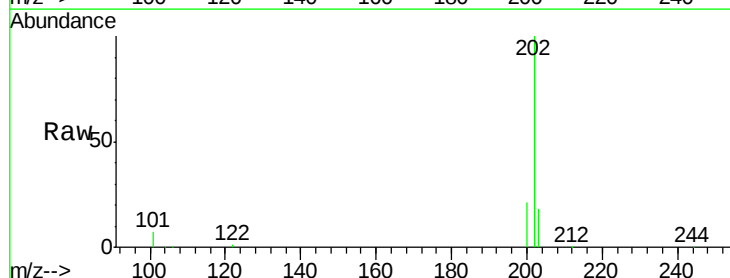
Tgt Ion:202 Resp: 1116512

Ion Ratio Lower Upper

202 100

101 6.5 6.4 9.6

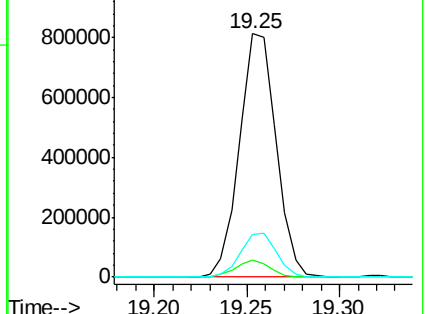
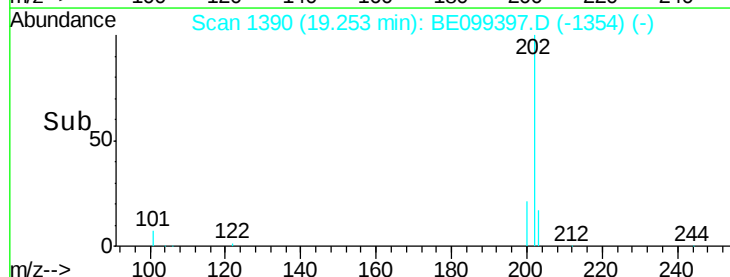
203 17.8 13.5 20.3

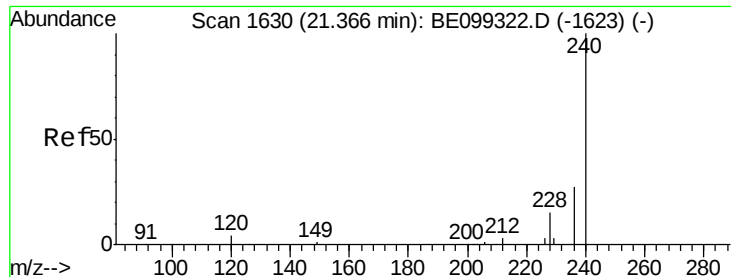


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

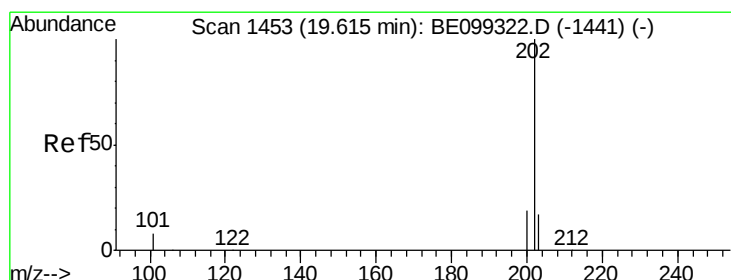
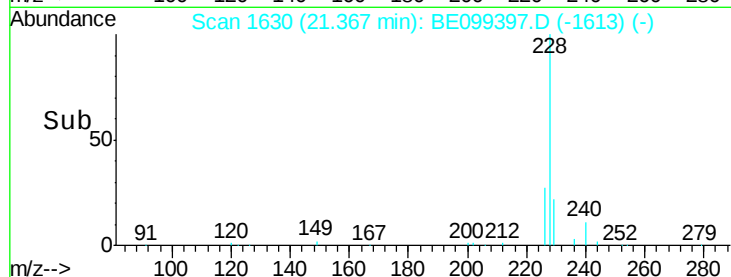
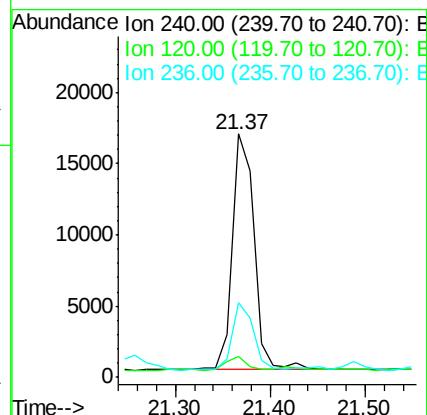
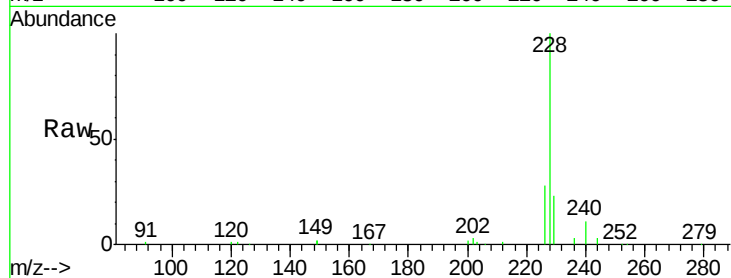




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099397.D
Acq: 27 Apr 2019 3:08

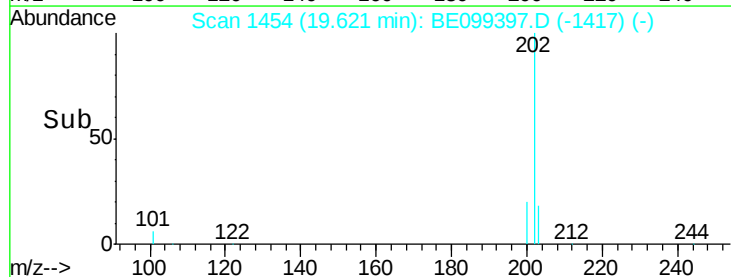
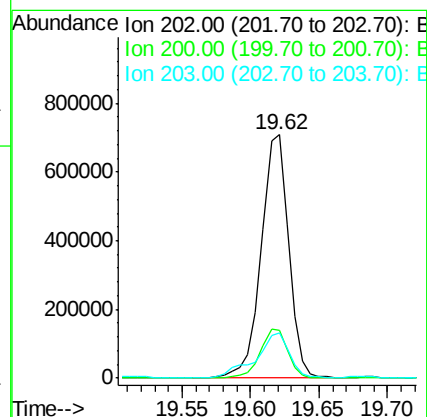
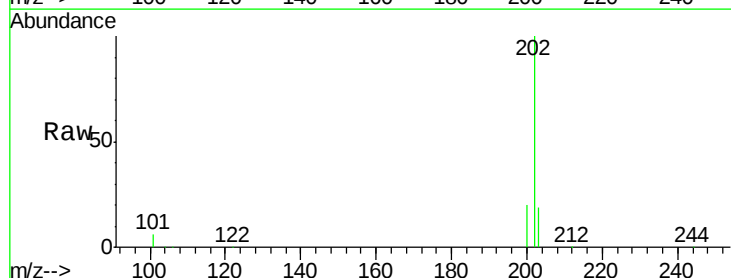
Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MSD

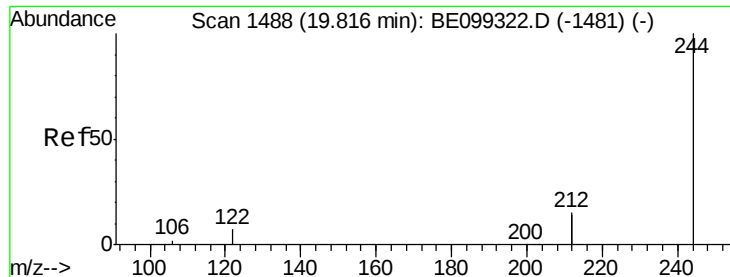
Tot Ion:240 Resp: 26274
Ion Ratio Lower Upper
240 100
120 8.8 2.2 3.2#
236 30.8 20.2 30.4#



#28
Pyrene
Concen: 12.710 ng
RT: 19.62 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BE099397.D
Acq: 27 Apr 2019 3:08

Tgt Ion:202 Resp: 983874
Ion Ratio Lower Upper
202 100
200 20.3 15.7 23.5
203 22.5 13.7 20.5#





#29

Terphenyl-d14

Concen: 0.504 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD

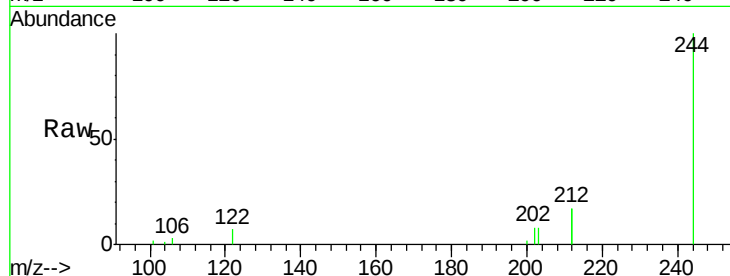
Tot Ion:244 Resp: 26078

Ion Ratio Lower Upper

244 100

212 34.0 22.6 33.8#

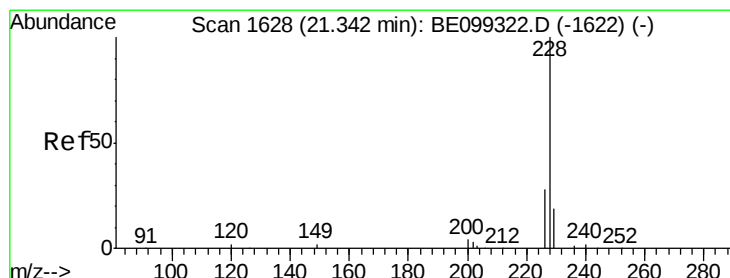
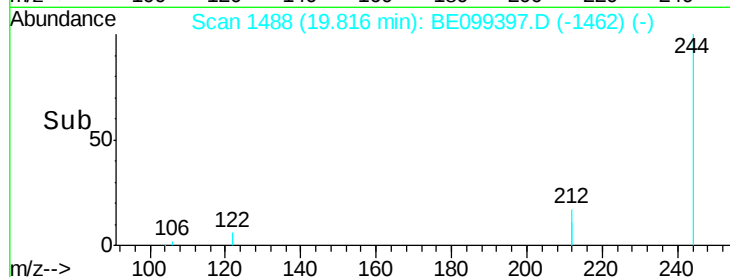
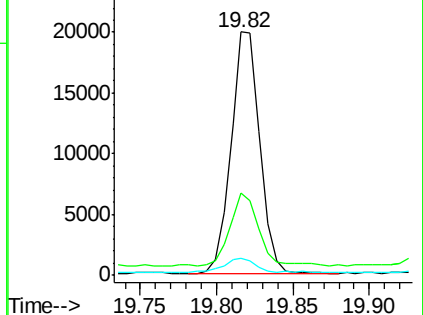
122 7.2 4.6 7.0#



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: 7.995 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

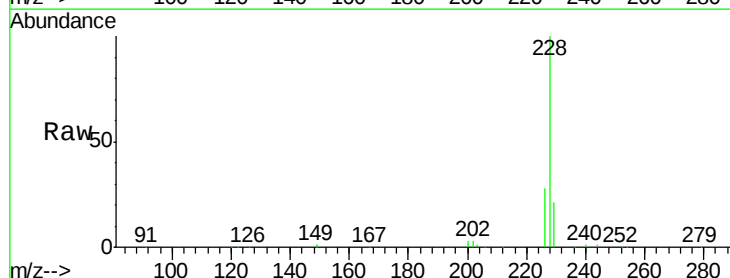
Tgt Ion:228 Resp: 617526

Ion Ratio Lower Upper

228 100

226 28.0 22.0 33.0

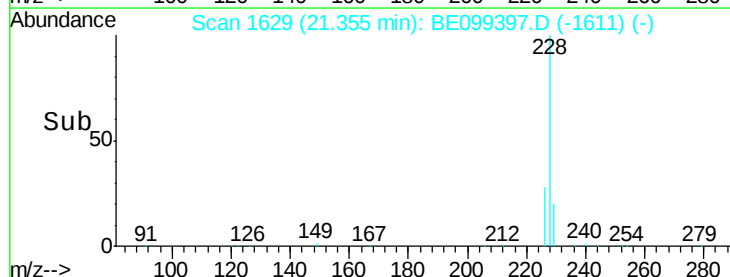
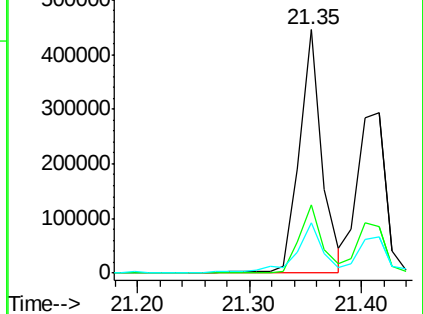
229 20.6 15.8 23.8

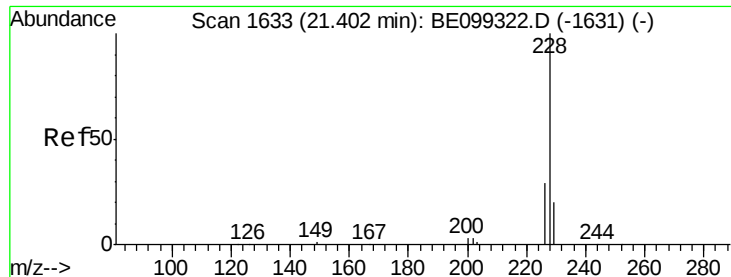


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 6.192 ng

RT: 21.42 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD

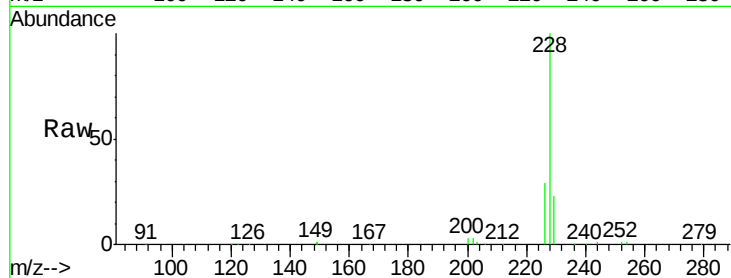
Tot Ion:228 Resp: 508977

Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.2

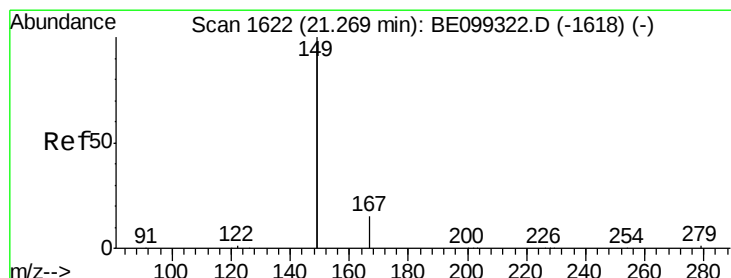
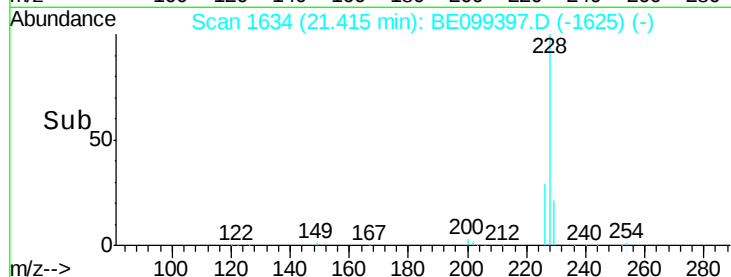
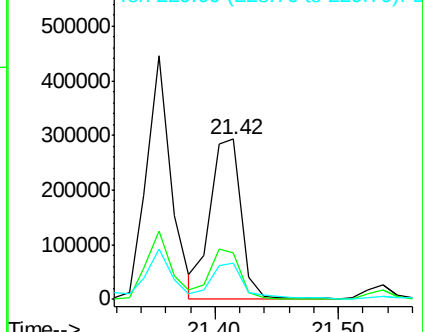
229 22.8 16.2 24.2



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: 1.482 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

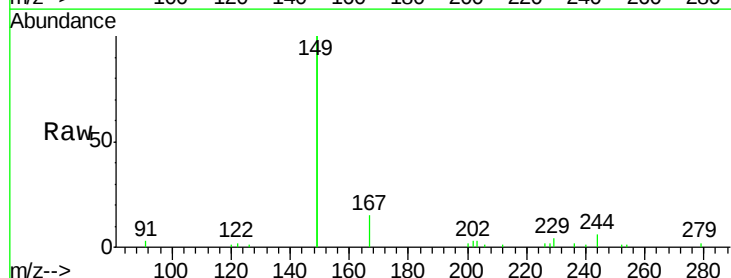
Tgt Ion:149 Resp: 104128

Ion Ratio Lower Upper

149 100

167 7.5 6.0 9.0

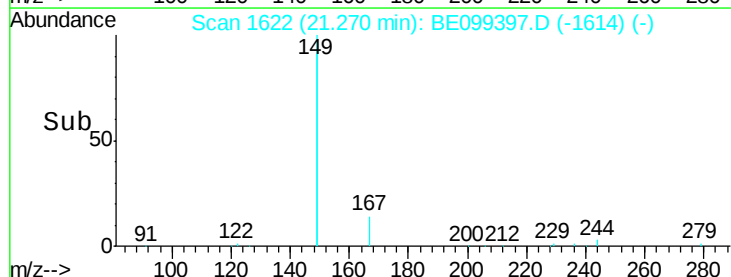
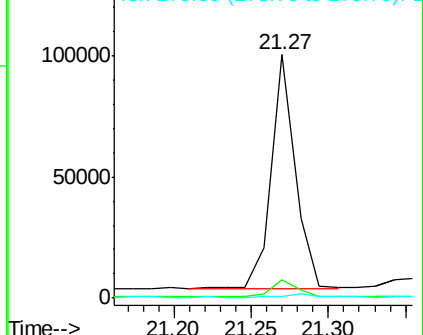
279 1.5 1.1 1.7

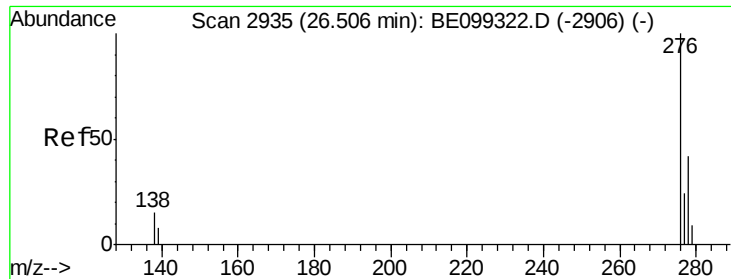


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

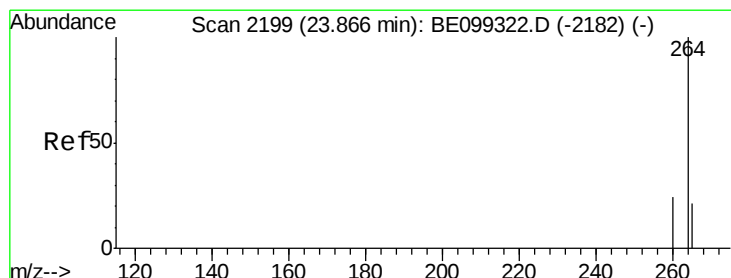
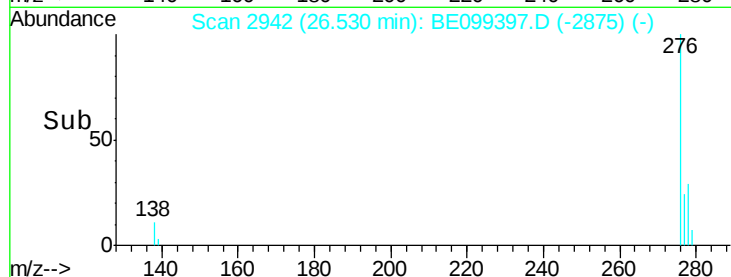
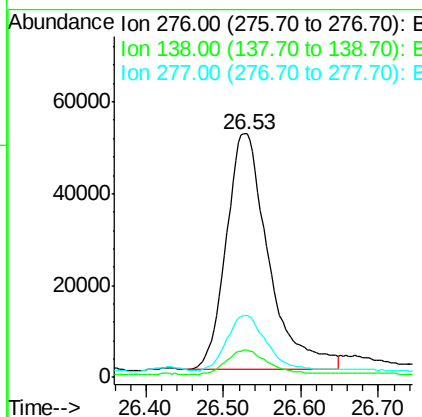
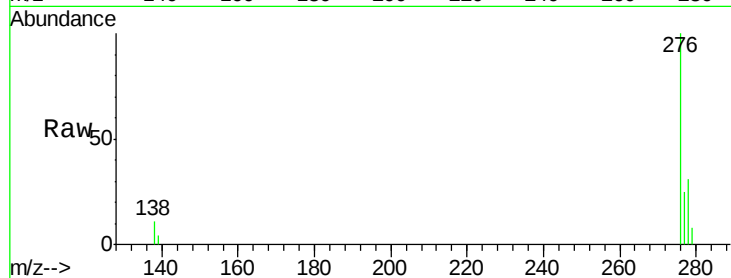




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 2.419 ng
 RT: 26.53 min Scan# 2942
 Delta R.T. 0.04 min
 Lab File: BE099397.D
 Acq: 27 Apr 2019 3:08

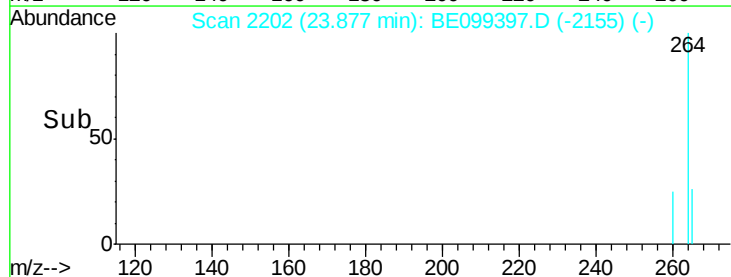
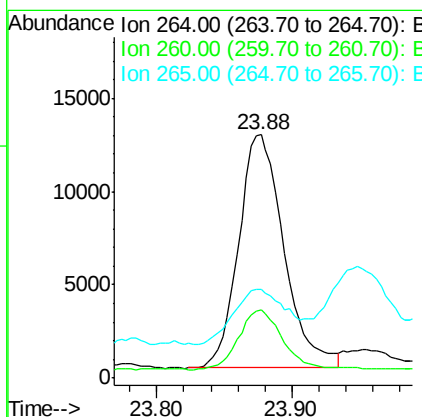
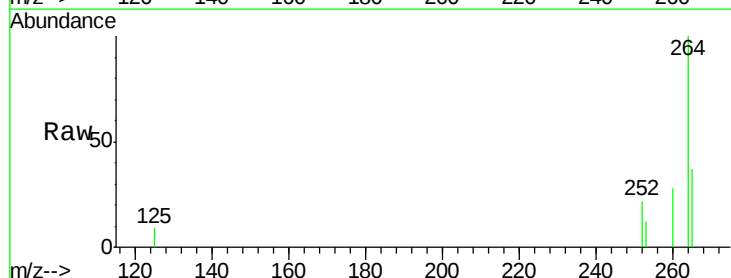
Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW005-042219MSD

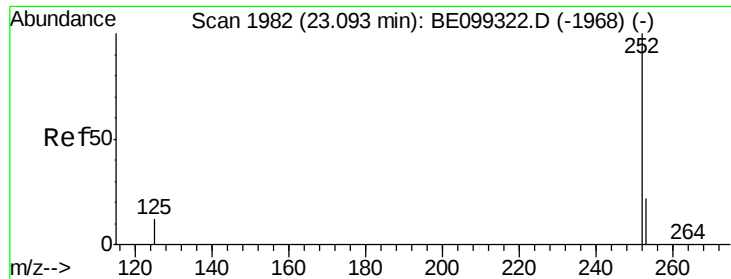
Tot Ion:276 Resp: 196374
 Ion Ratio Lower Upper
 276 100
 138 10.5 12.7 19.1#
 277 21.8 19.6 29.4



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.88 min Scan# 2202
 Delta R.T. 0.02 min
 Lab File: BE099397.D
 Acq: 27 Apr 2019 3:08

Tgt Ion:264 Resp: 29229
 Ion Ratio Lower Upper
 264 100
 260 27.8 20.1 30.1
 265 36.6 19.9 29.9#

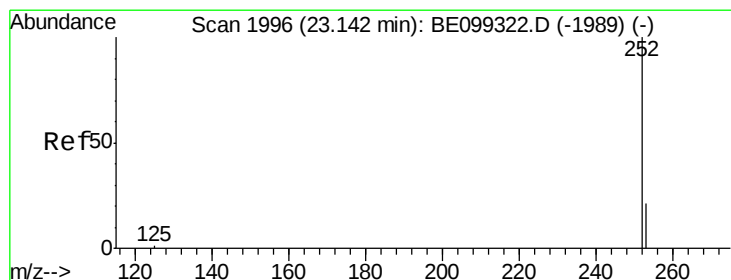
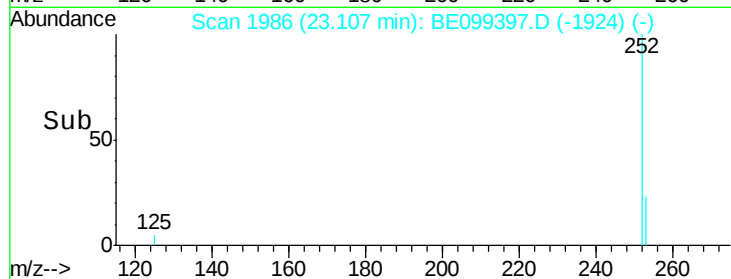
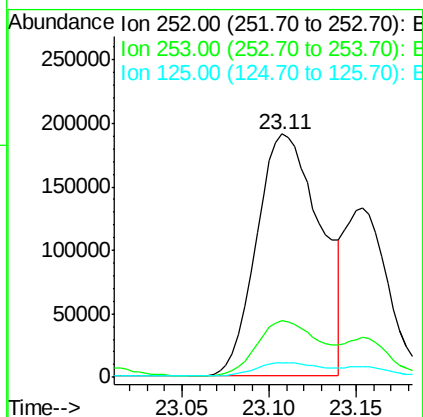
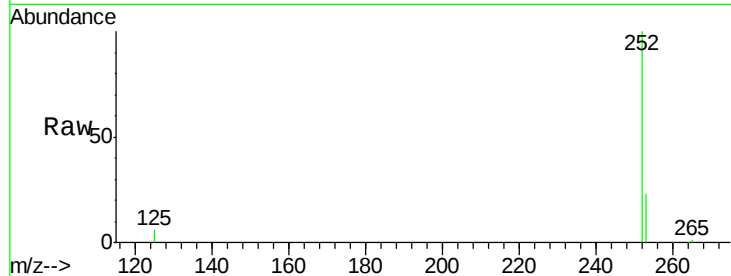




#35
Benzo(b)fluoranthene
Concen: 5.417 ng
RT: 23.11 min Scan# 1986
Delta R.T. 0.02 min
Lab File: BE099397.D
Acq: 27 Apr 2019 3:08

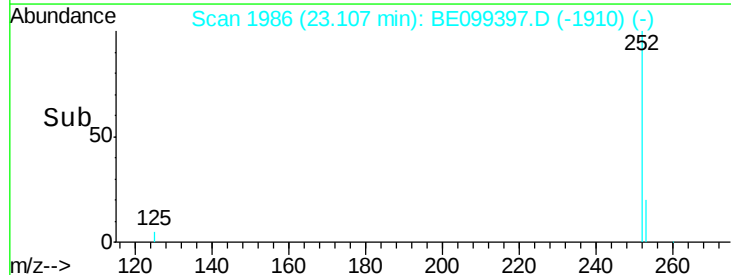
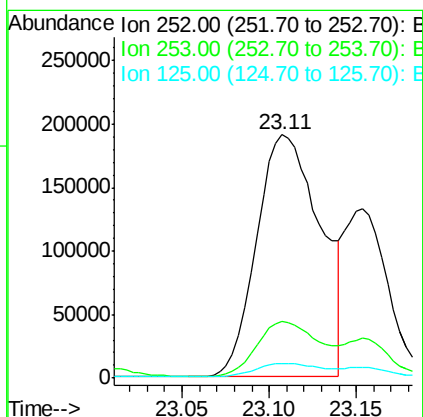
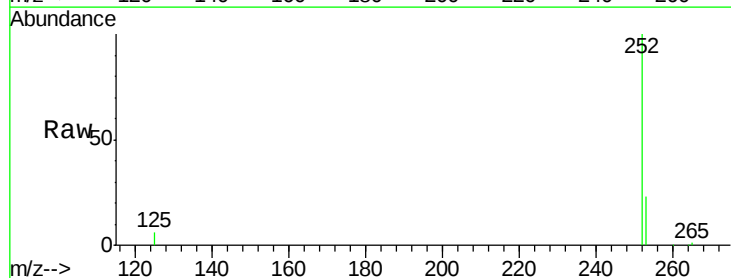
Instrument :
BNA_E
ClientSampleId :
PST-028-SW005-042219MSD

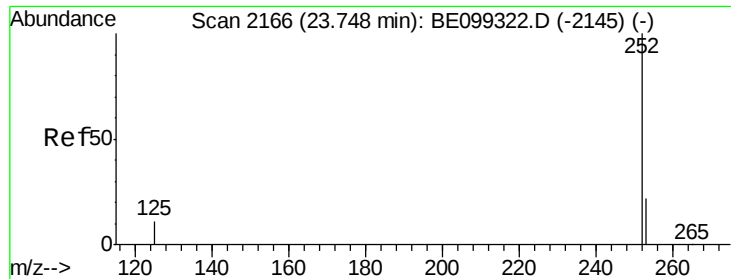
Tot Ion:252 Resp: 484734
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 5.9 5.8 8.6



#36
Benzo(k)fluoranthene
Concen: 5.434 ng
RT: 23.11 min Scan# 1986
Delta R.T. -0.03 min
Lab File: BE099397.D
Acq: 27 Apr 2019 3:08

Tgt Ion:252 Resp: 484734
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 5.9 5.4 8.0





#37

Benzo(a)pyrene

Concen: 2.420 ng

RT: 23.65 min Scan# 2139

Delta R.T. -0.09 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD

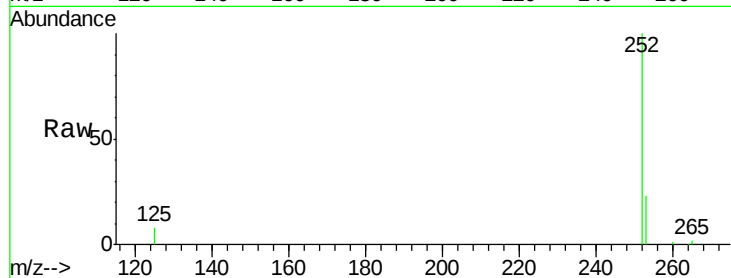
Tot Ion:252 Resp: 194033

Ion Ratio Lower Upper

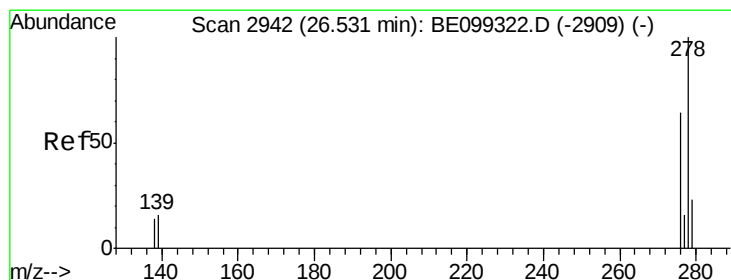
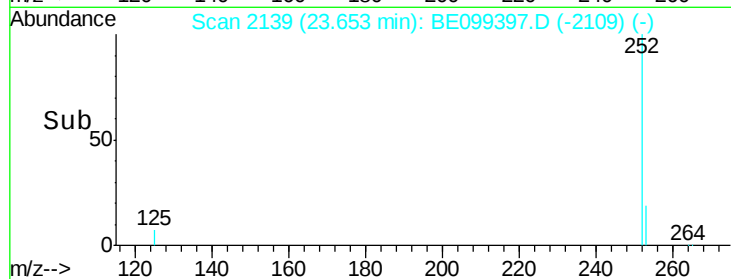
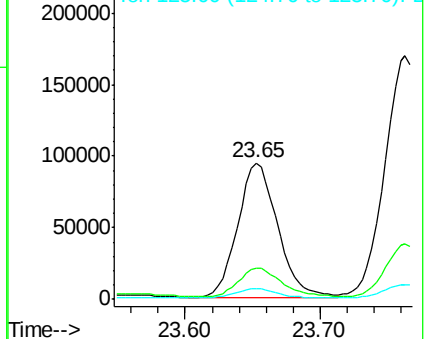
252 100

253 23.1 17.6 26.4

125 8.0 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: 0.928 ng

RT: 26.55 min Scan# 2947

Delta R.T. 0.03 min

Lab File: BE099397.D

Acq: 27 Apr 2019 3:08

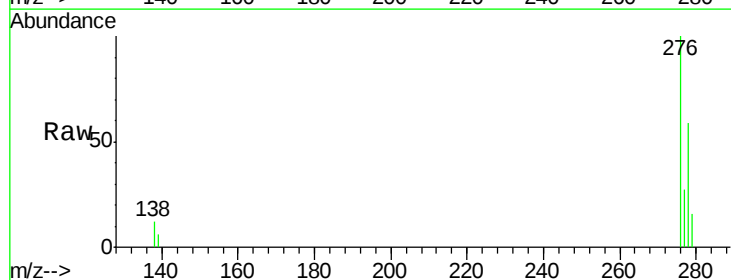
Tgt Ion:278 Resp: 76041

Ion Ratio Lower Upper

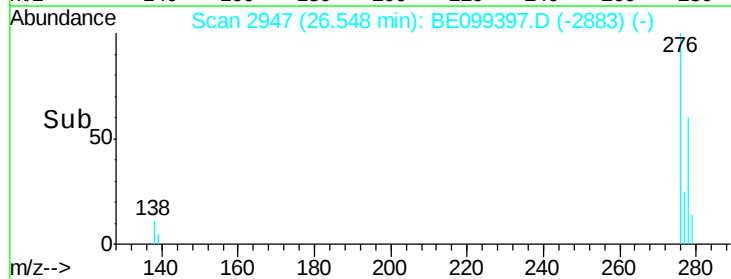
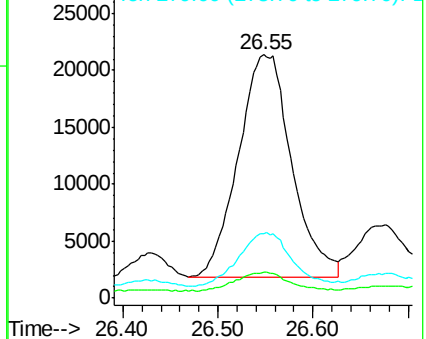
278 100

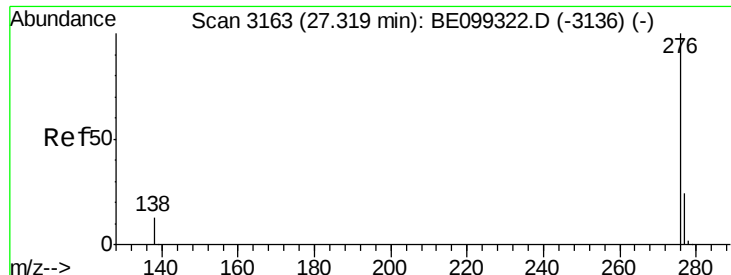
139 10.9 8.5 12.7

279 26.5 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: 1.982 ng

RT: 27.35 min Scan# 3172

Delta R.T. 0.05 min

Lab File: BE099397.D

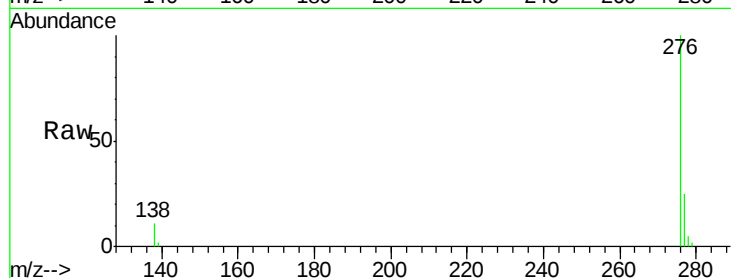
Acq: 27 Apr 2019 3:08

Instrument :

BNA_E

ClientSampleId :

PST-028-SW005-042219MSD



Tot Ion: 276 Resp: 164697

Ion Ratio Lower Upper

276 100

277 25.5 20.0 30.0

138 11.1 11.1 16.7

