

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099382.D
 Acq On : 26 Apr 2019 17:29
 Operator : JU/SJ
 Sample : K2568-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B179-042319

Quant Time: Apr 27 05:06:47 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	4353	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	17191	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	12328	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	33006	0.40	ng	0.00
27) Chrysene-d12	21.37	240	36190	0.40	ng	0.00
34) Perylene-d12	23.87	264	41601	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	5278	0.50	ng	0.01
5) Phenol-d6	6.98	99	7685	0.51	ng	0.00
8) Nitrobenzene-d5	8.98	82	6315	0.47	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	12215	0.40	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2919	0.71	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	17812	0.37	ng	0.00
25) Fluoranthene-d10	19.22	212	149270	0.38	ng	0.00
29) Terphenyl-d14	19.82	244	32026	0.45	ng	0.00

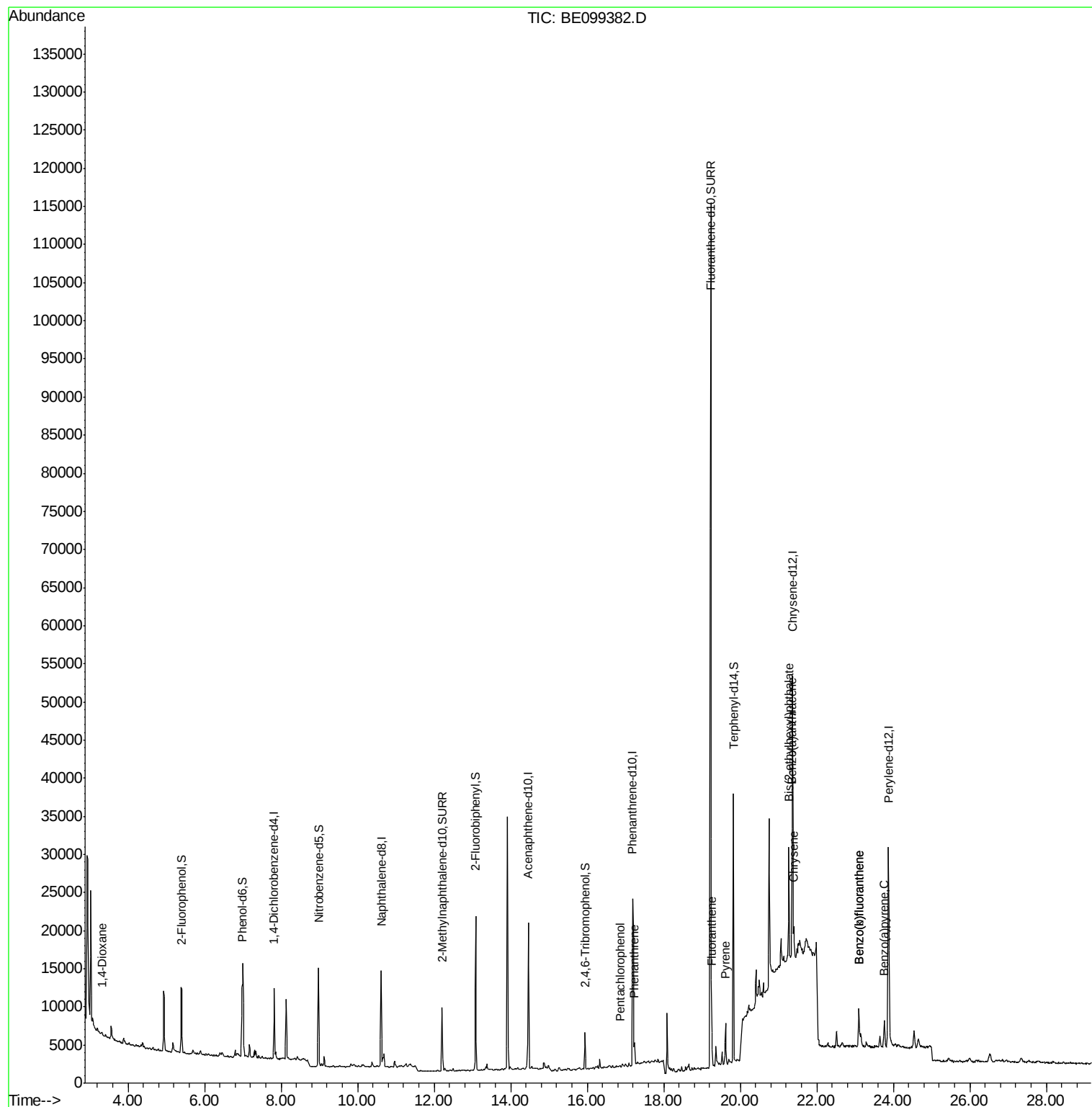
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	146	0.024	ng	# 29
22) Pentachlorophenol	16.85	266	42	0.226	ng	# 67
23) Phenanthrene	17.23	178	3537	0.040	ng	# 97
26) Fluoranthene	19.25	202	5349	0.046	ng	# 91
28) Pyrene	19.62	202	5114	0.048	ng	# 91
30) Benzo(a)anthracene	21.35	228	2826	0.027	ng	# 34
31) Chrysene	21.40	228	4024	0.036	ng	# 61
32) Bis(2-ethylhexyl)phthalate	21.27	149	16544	0.171	ng	# 98
35) Benzo(b)fluoranthene	23.10	252	4630	0.036	ng	# 1
36) Benzo(k)fluoranthene	23.10	252	4630	0.036	ng	# 1
37) Benzo(a)pyrene	23.76	252	3195	0.028	ng	# 1

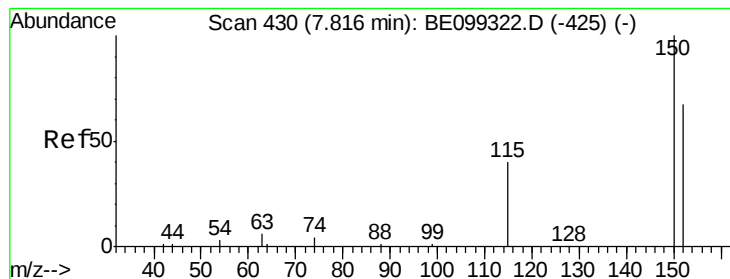
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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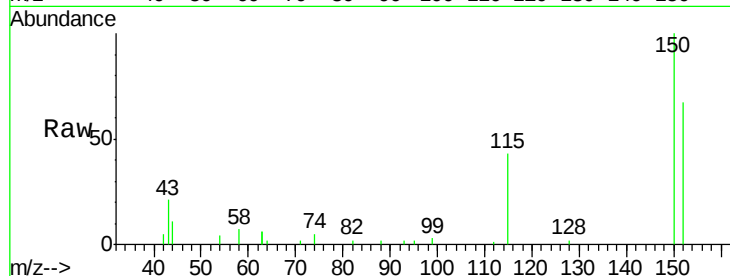


#1

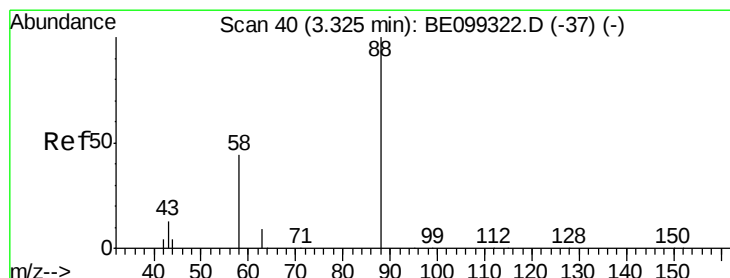
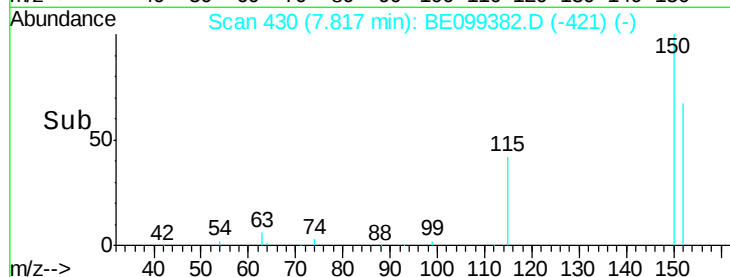
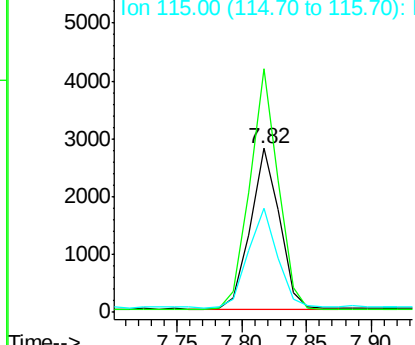
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099382.D
Acq: 26 Apr 2019 17:29

Instrument :
BNA_E
ClientSampleId :
PST-023-B179-042319

Tot Ion:152 Resp: 4353
Ion Ratio Lower Upper
152 100
150 148.3 119.5 179.3
115 63.6 47.5 71.3



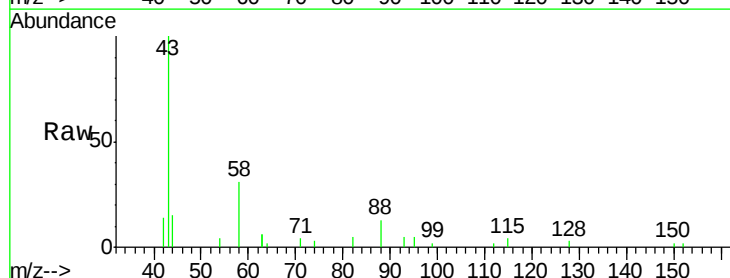
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



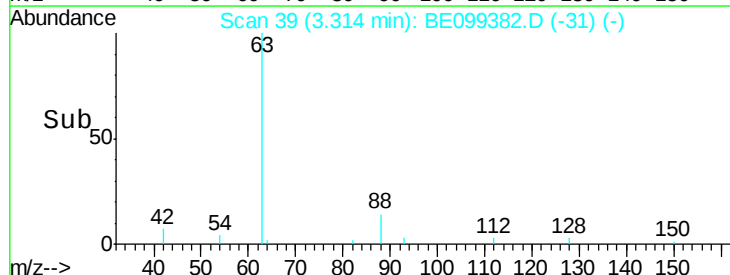
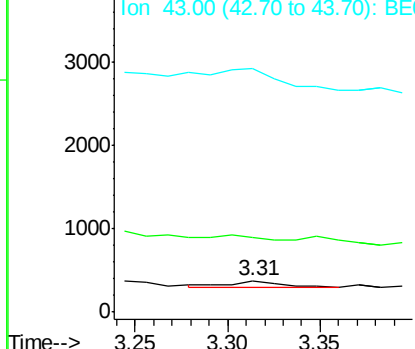
#2

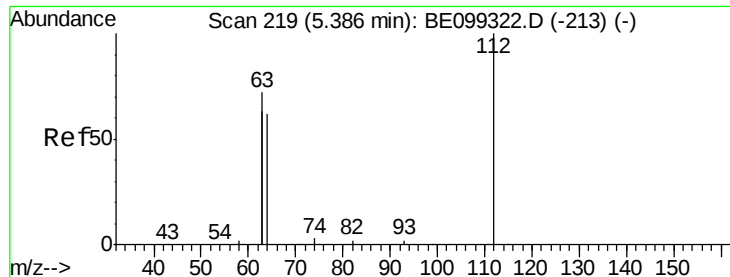
1,4-Dioxane
Concen: 0.024 ng
RT: 3.31 min Scan# 39
Delta R.T. -0.01 min
Lab File: BE099382.D
Acq: 26 Apr 2019 17:29

Tgt Ion: 88 Resp: 146
Ion Ratio Lower Upper
88 100
58 0.0 49.1 73.7#
43 0.0 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





#4

2-Fluorophenol

Concen: 0.496 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B179-042319

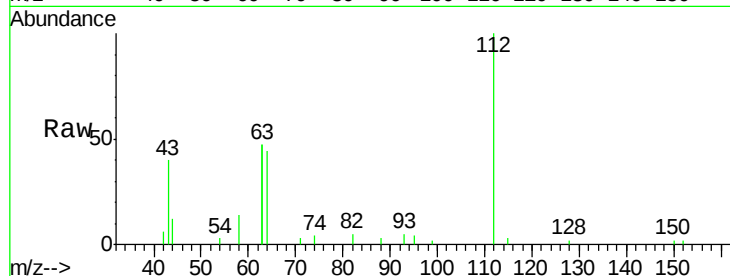
Tot Ion:112 Resp: 5278

Ion Ratio Lower Upper

112 100

64 55.9 44.9 67.3

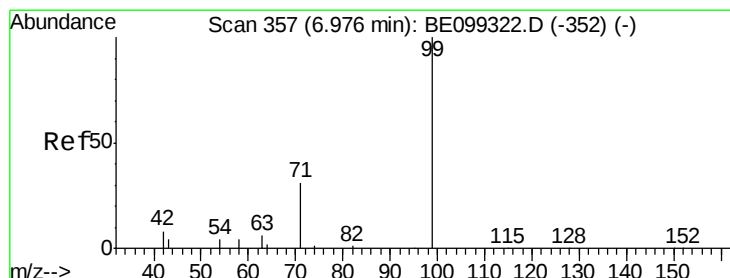
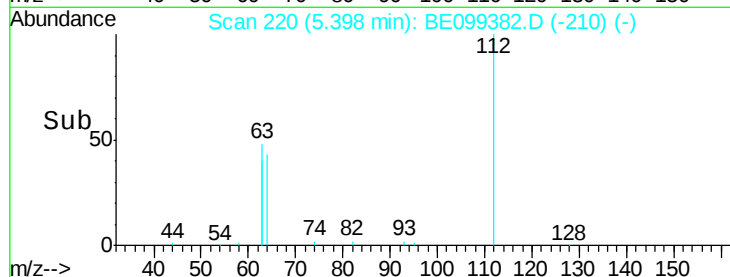
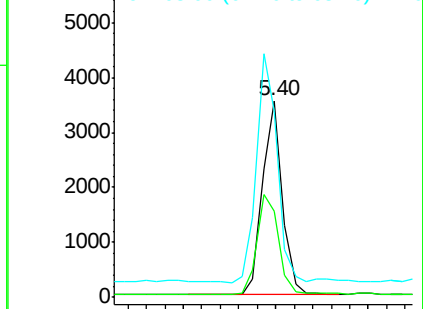
63 123.4 97.4 146.0



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: 0.506 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

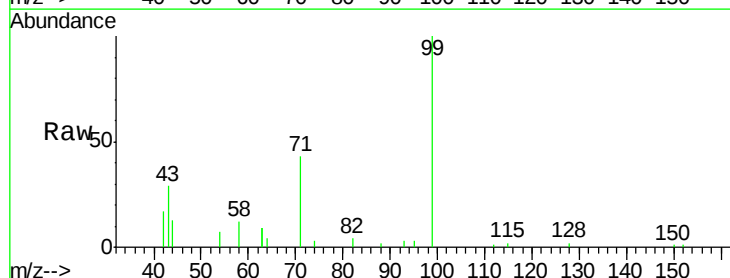
Tgt Ion: 99 Resp: 7685

Ion Ratio Lower Upper

99 100

42 20.1 11.7 17.5#

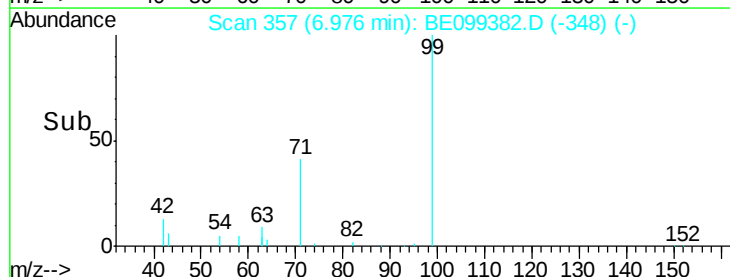
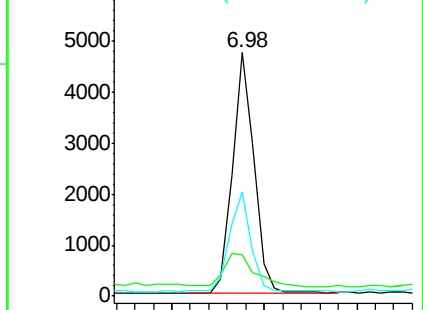
71 40.7 29.6 44.4

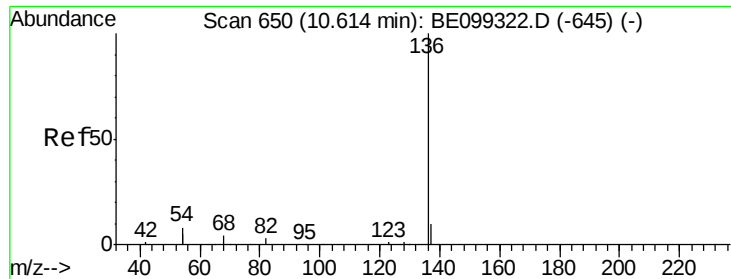


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B179-042319

Tot Ion:136 Resp: 17191

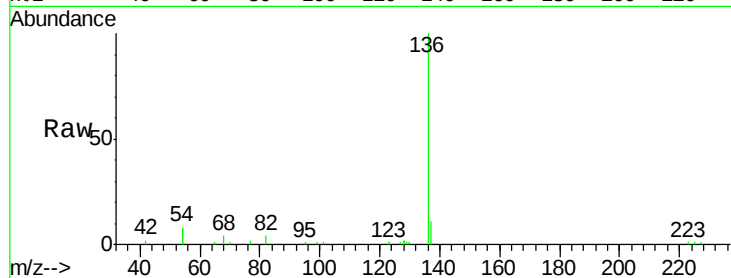
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 15.9 23.8 35.8#

68 4.3 6.4 9.6#

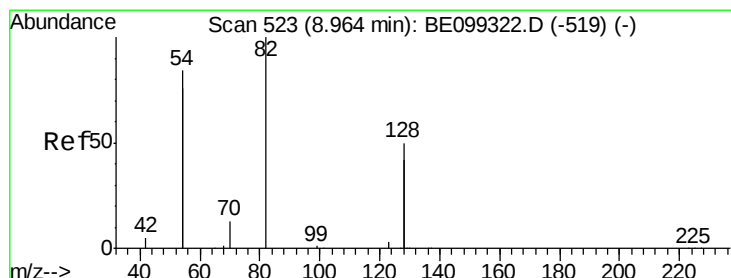
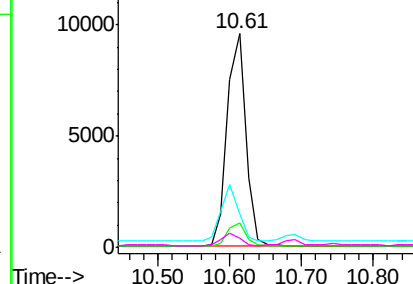
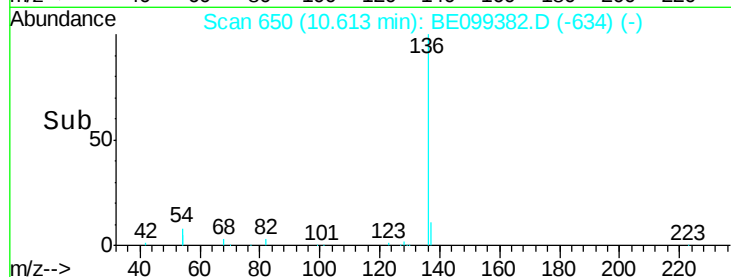


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.473 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

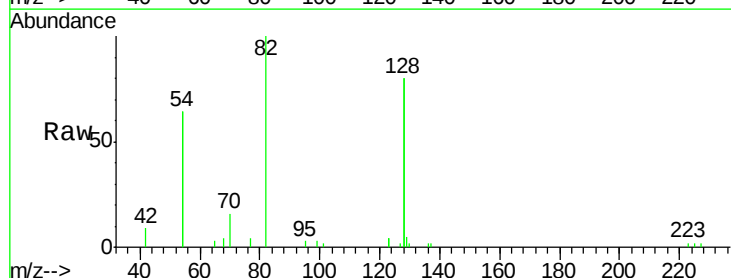
Tgt Ion: 82 Resp: 6315

Ion Ratio Lower Upper

82 100

128 159.5 91.7 137.5#

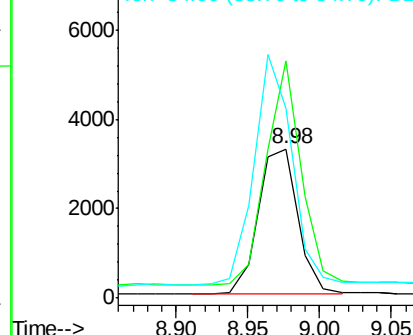
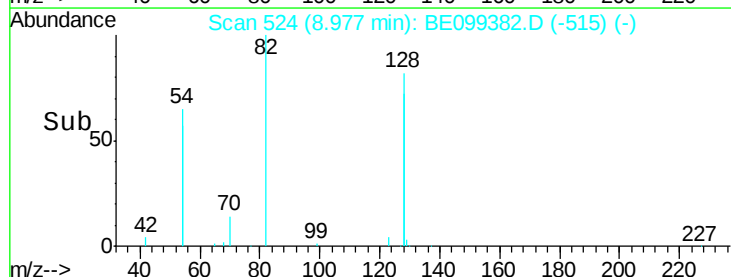
54 127.3 122.8 184.2

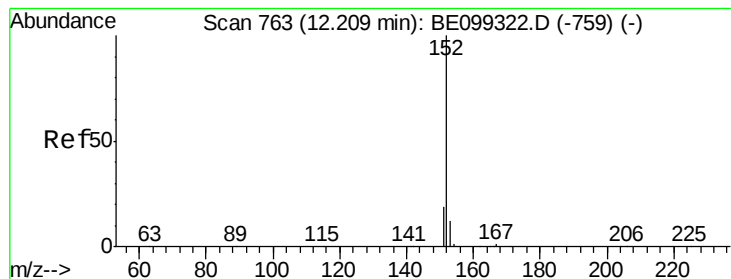


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.403 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

Instrument :

BNA_E

ClientSampleId :

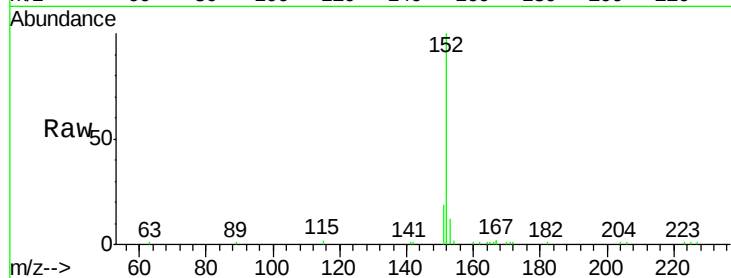
PST-023-B179-042319

Tot Ion:152 Resp: 12215

Ion Ratio Lower Upper

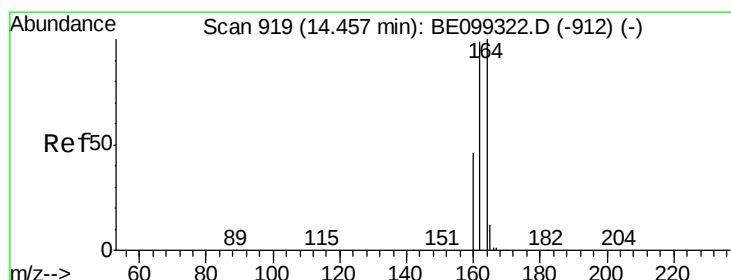
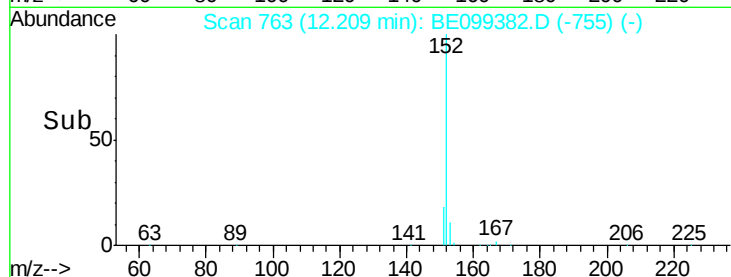
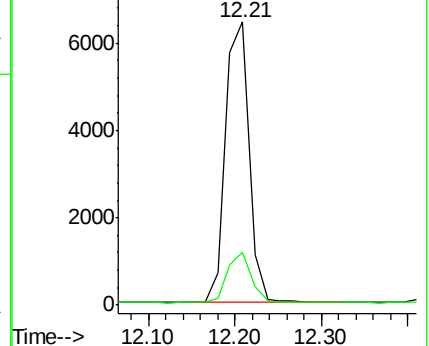
152 100

151 18.2 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

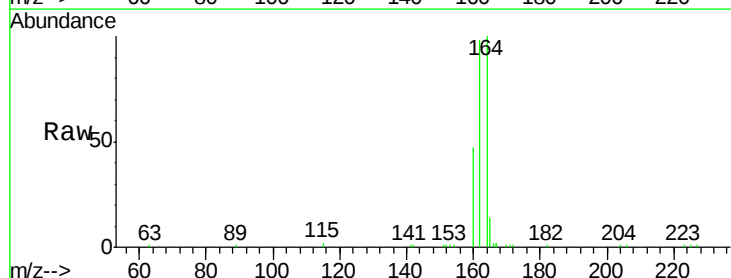
Tgt Ion:164 Resp: 12328

Ion Ratio Lower Upper

164 100

162 98.2 77.8 116.6

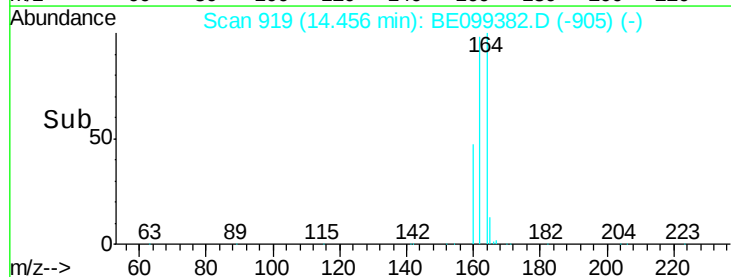
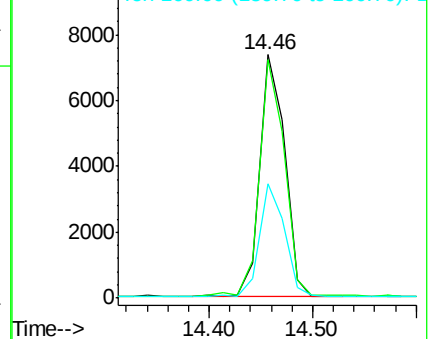
160 47.2 37.1 55.7

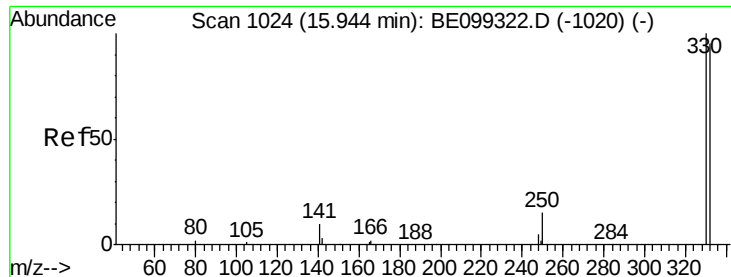


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

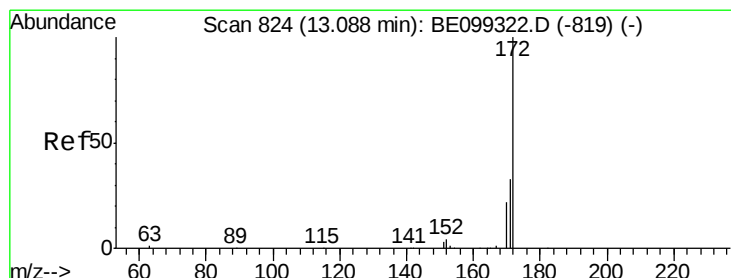
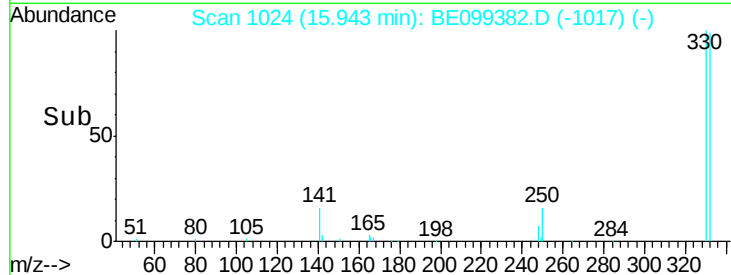
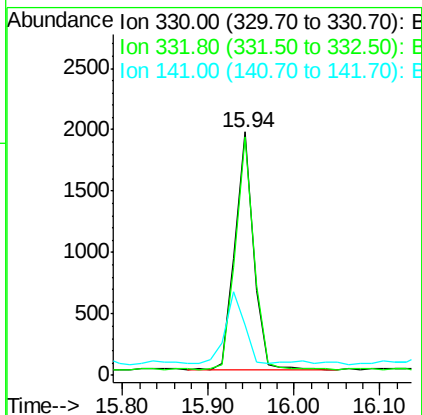
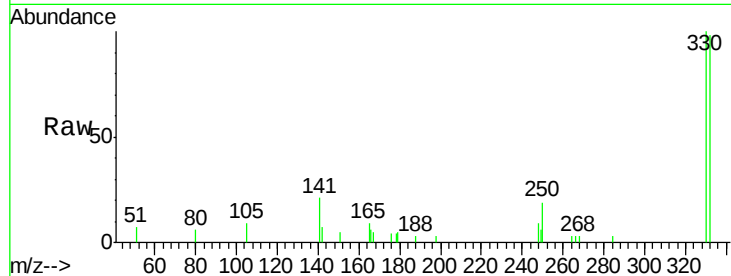




#14
 2,4,6-Tribromophenol
 Concen: 0.713 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099382.D
 Acq: 26 Apr 2019 17:29

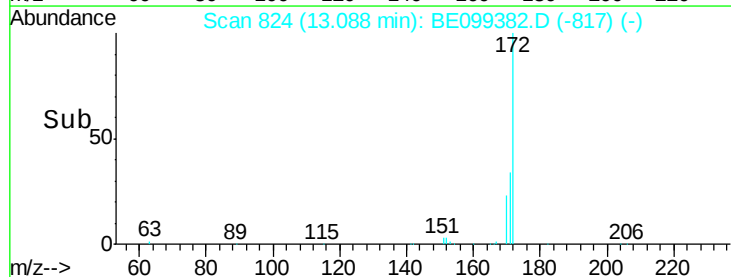
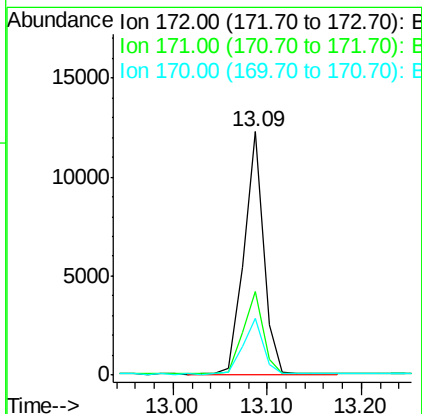
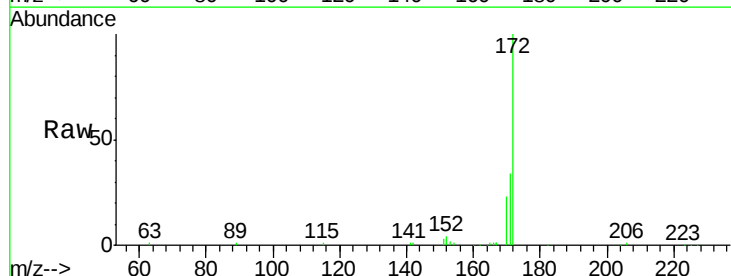
Instrument :
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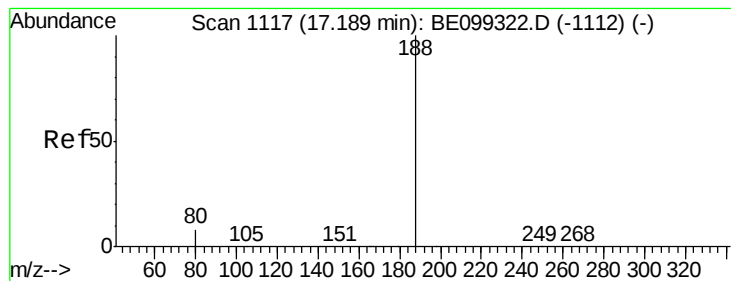
Tot Ion:330 Resp: 2919
 Ion Ratio Lower Upper
 330 100
 332 97.5 82.5 123.7
 141 30.6 24.9 37.3



#15
 2-Fluorobiphenyl
 Concen: 0.368 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099382.D
 Acq: 26 Apr 2019 17:29

Tgt Ion:172 Resp: 17812
 Ion Ratio Lower Upper
 172 100
 171 34.1 26.2 39.2
 170 23.2 18.1 27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B179-042319

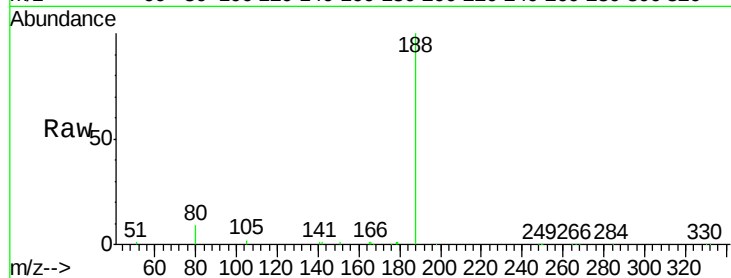
Tot Ion:188 Resp: 33006

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

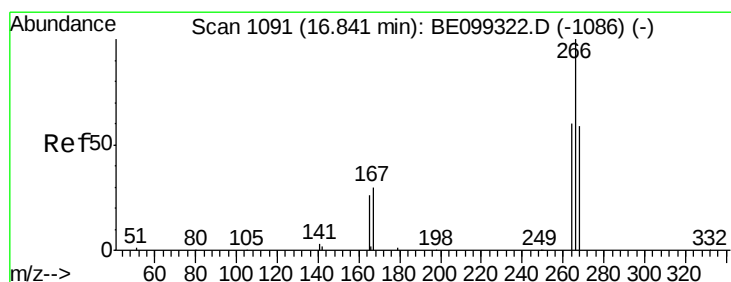
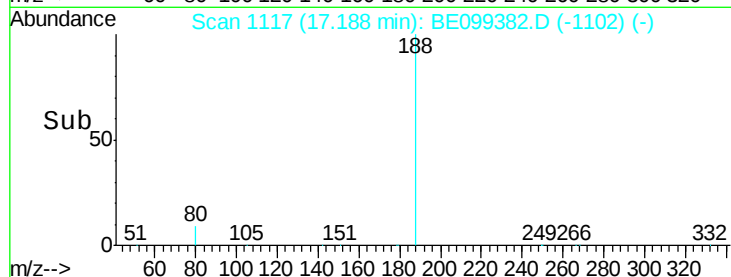
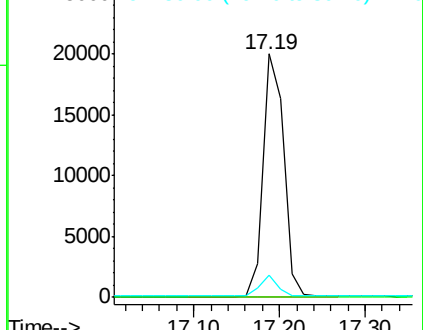
80 9.3 6.2 9.4



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



#22

Pentachlorophenol

Concen: 0.226 ng

RT: 16.85 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

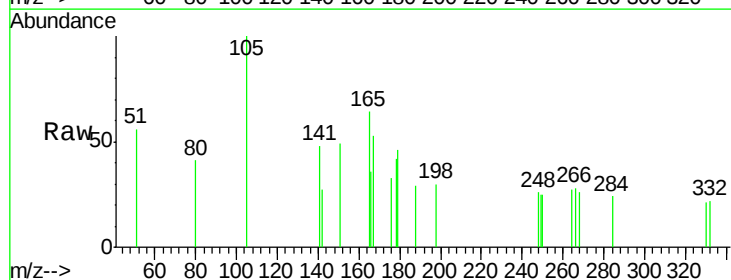
Tgt Ion:266 Resp: 42

Ion Ratio Lower Upper

266 100

264 97.3 54.5 81.7#

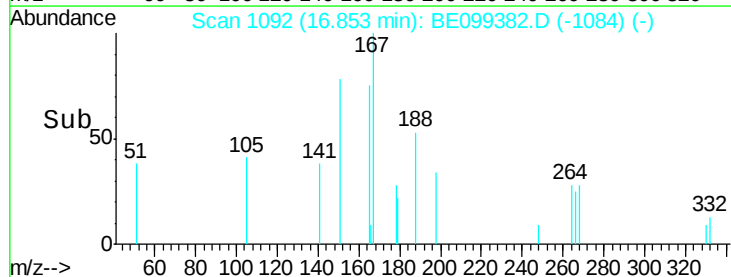
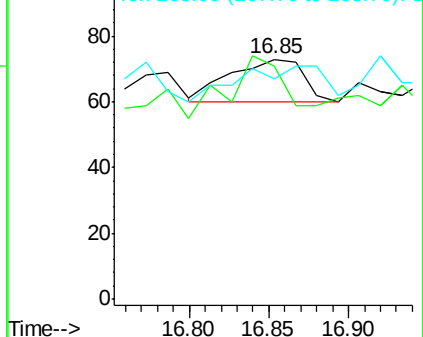
268 91.8 54.3 81.5#

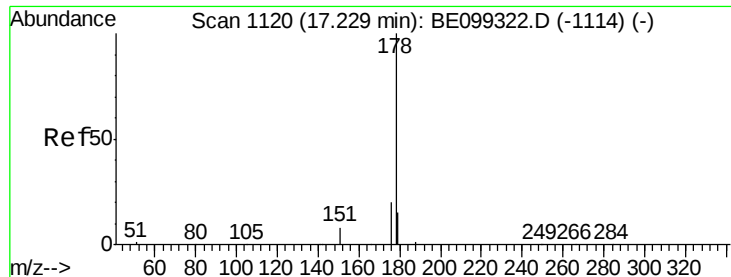


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.040 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

Instrument :

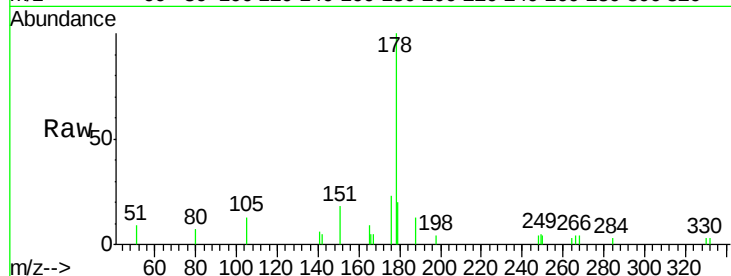
BNA_E

ClientSampleId :

PST-023-B179-042319

Tot Ion:178 Resp: 3537

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.3	22.9
179	16.4	12.4	18.6

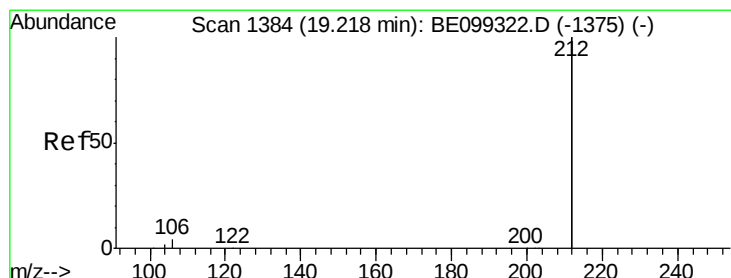
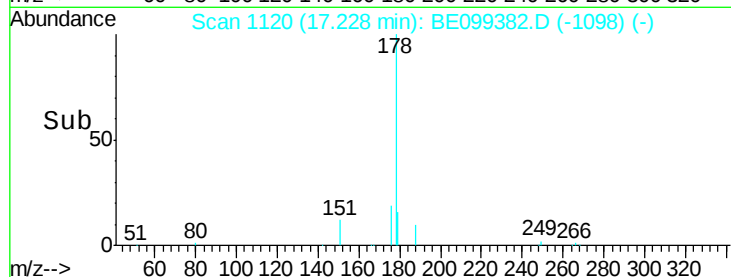
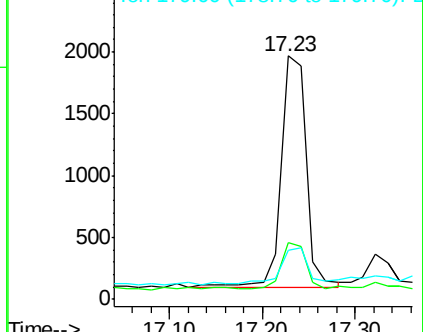


Abundance

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



#25

Fluoranthene-d10

Concen: 0.376 ng

RT: 19.22 min Scan# 1385

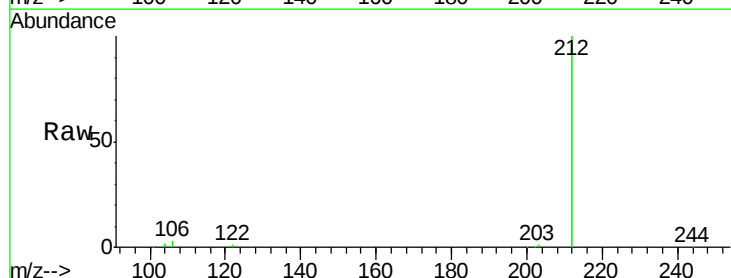
Delta R.T. 0.01 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

Tgt Ion:212 Resp: 149270

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.8	2.6
104	1.2	1.0	1.4

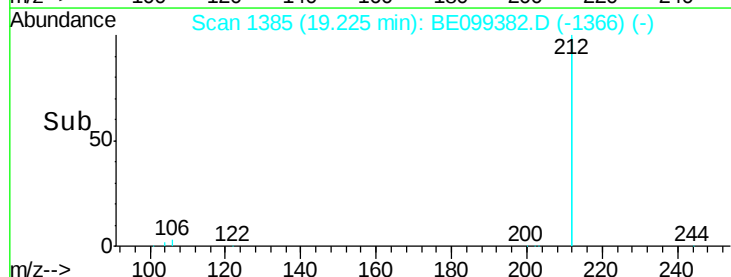
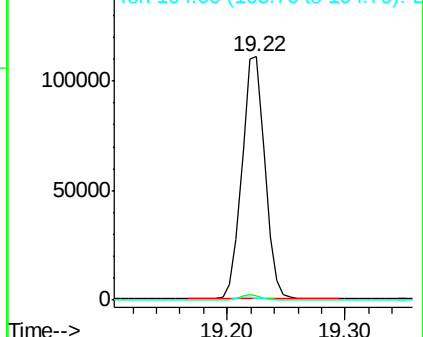


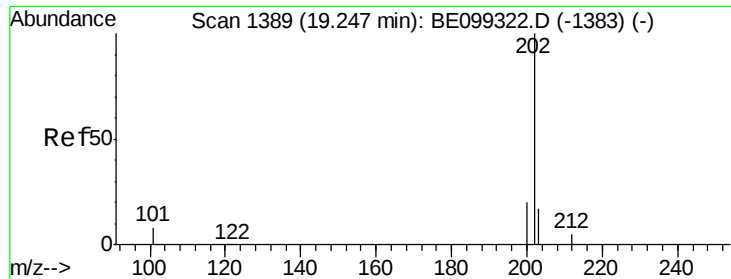
Abundance

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

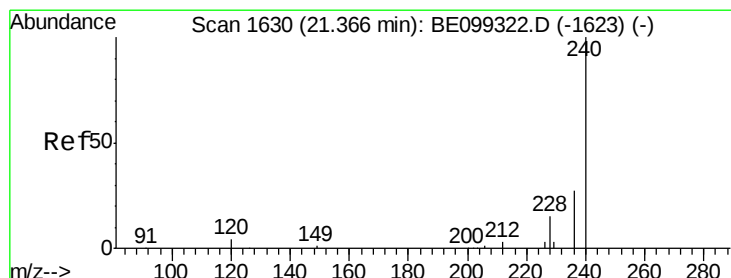
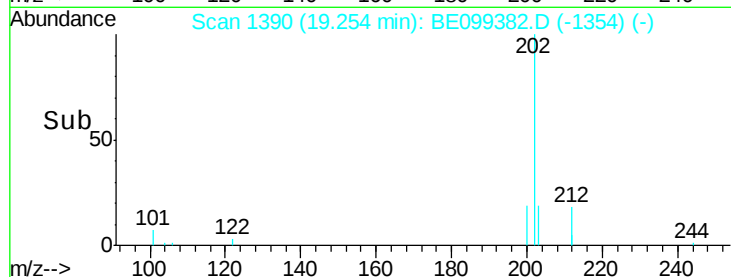
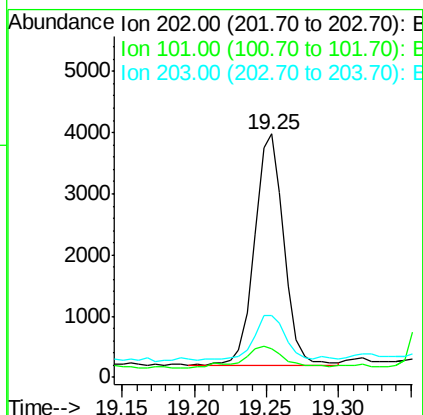
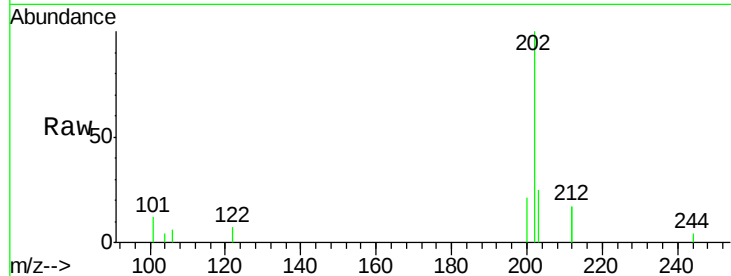




#26
 Fluoranthene
 Concen: 0.046 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BE099382.D
 Acq: 26 Apr 2019 17:29

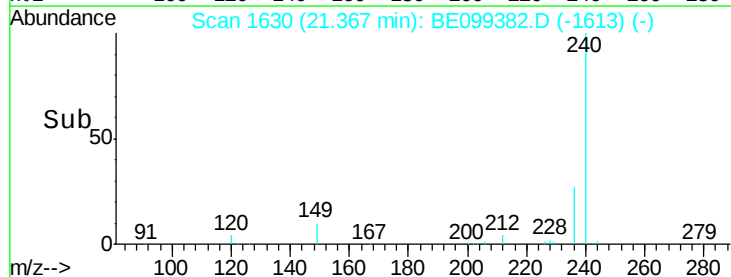
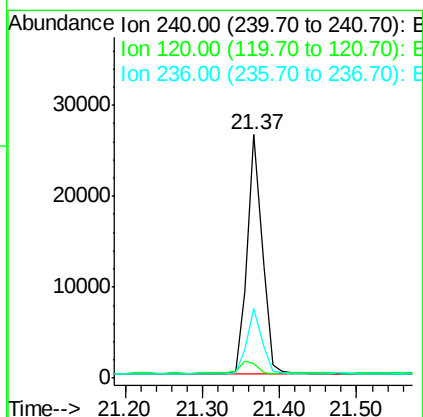
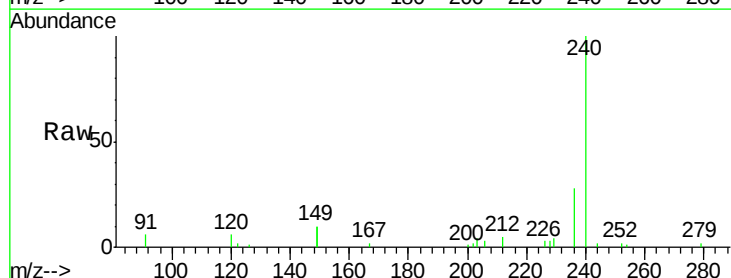
Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B179-042319

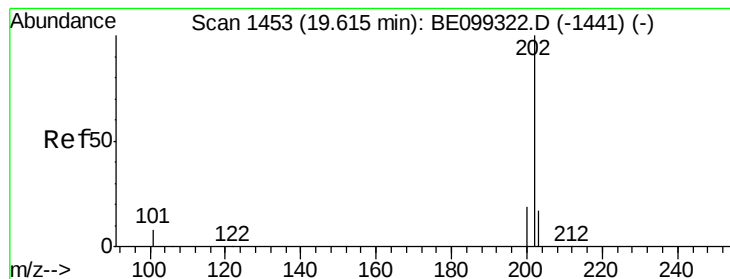
Tot Ion:202 Resp: 5349
 Ion Ratio Lower Upper
 202 100
 101 13.0 6.4 9.6#
 203 19.8 13.5 20.3



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099382.D
 Acq: 26 Apr 2019 17:29

Tgt Ion:240 Resp: 36190
 Ion Ratio Lower Upper
 240 100
 120 5.7 2.2 3.2#
 236 28.3 20.2 30.4





#28

Pvrene

Concen: 0.048 ng

RT: 19.62 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B179-042319

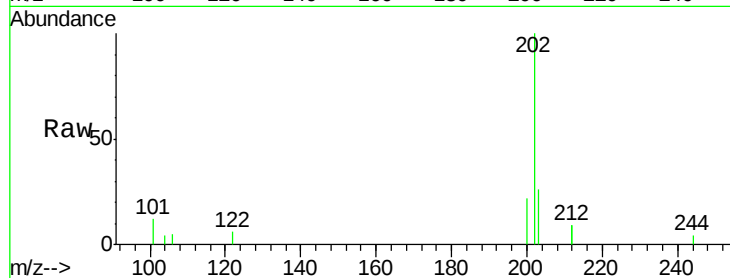
Tot Ion:202 Resp: 5114

Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

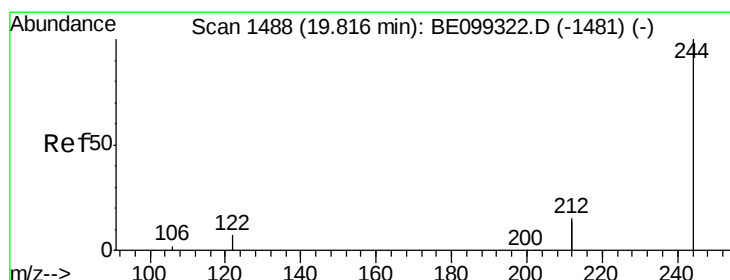
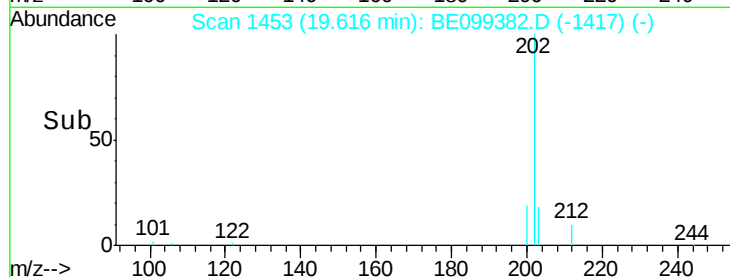
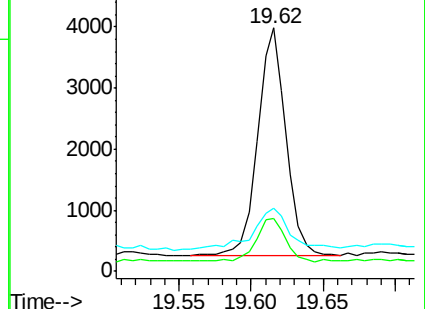
203 25.3 13.7 20.5#



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: 0.450 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

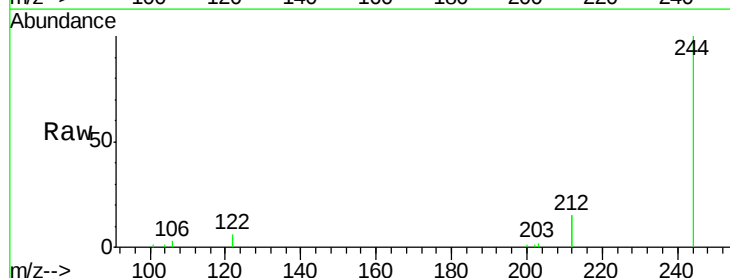
Tgt Ion:244 Resp: 32026

Ion Ratio Lower Upper

244 100

212 30.8 22.6 33.8

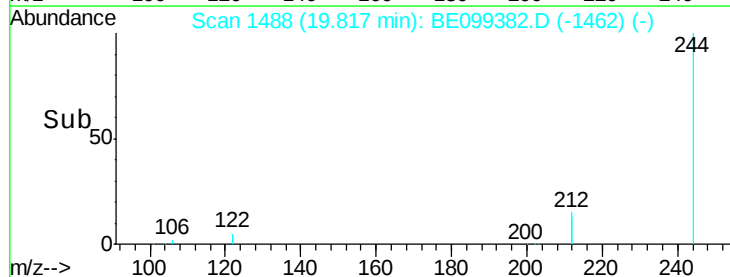
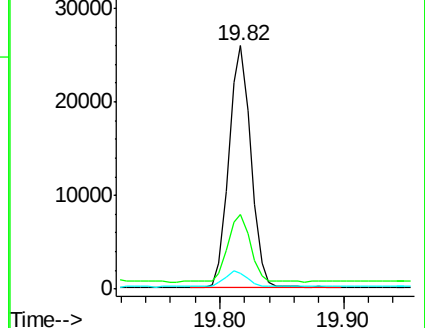
122 6.2 4.6 7.0

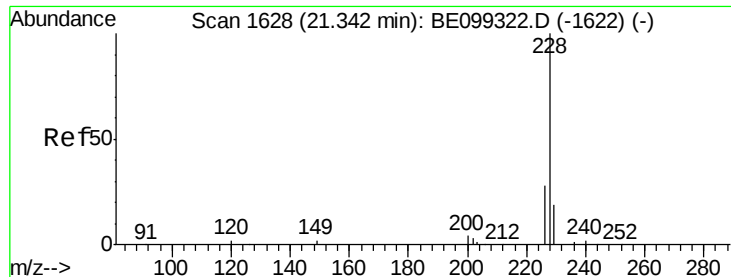


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.027 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B179-042319

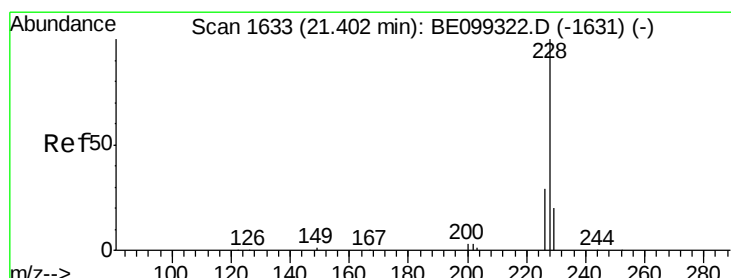
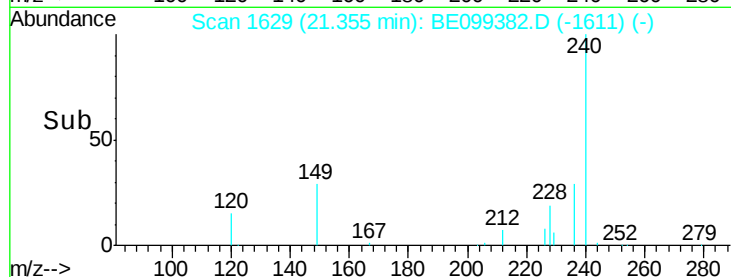
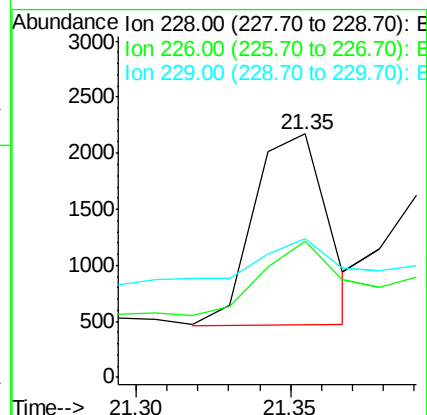
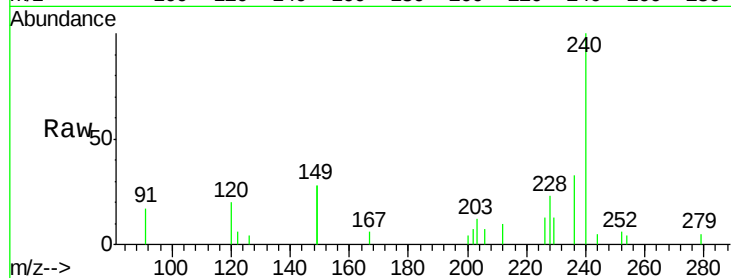
Tot Ion:228 Resp: 2826

Ion Ratio Lower Upper

228 100

226 56.0 22.0 33.0#

229 57.1 15.8 23.8#



#31

Chrysene

Concen: 0.036 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

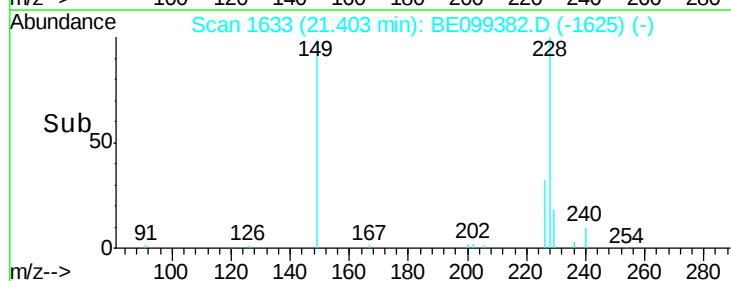
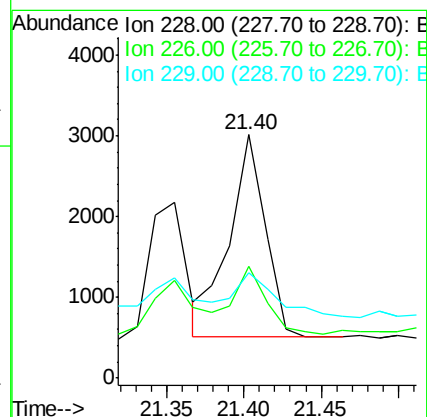
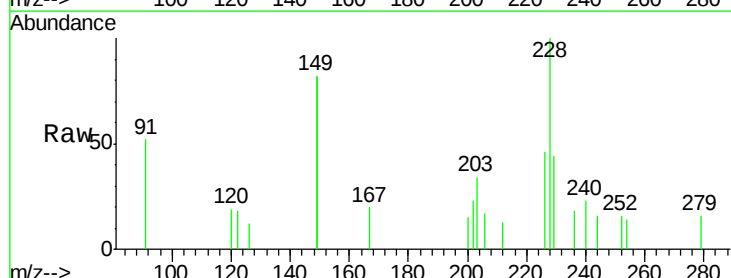
Tgt Ion:228 Resp: 4024

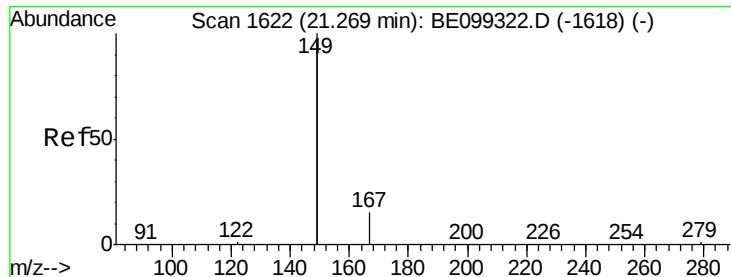
Ion Ratio Lower Upper

228 100

226 45.7 23.4 35.2#

229 43.5 16.2 24.2#

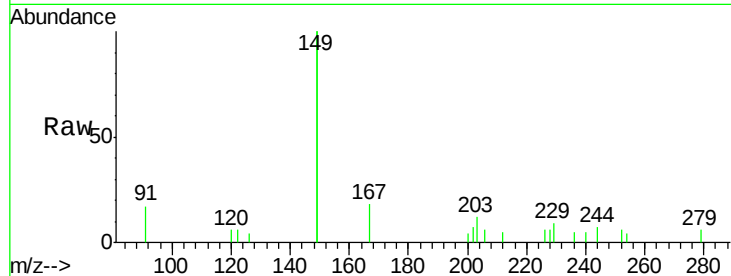




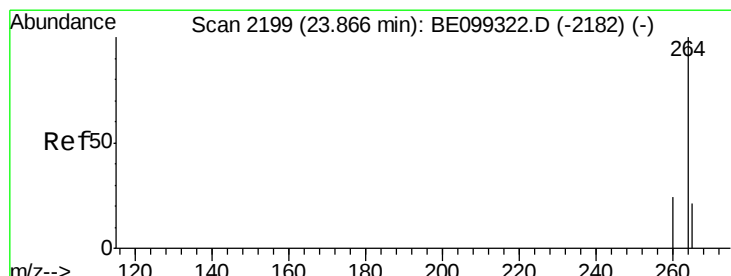
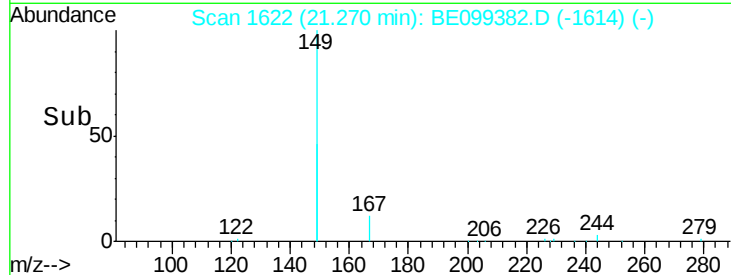
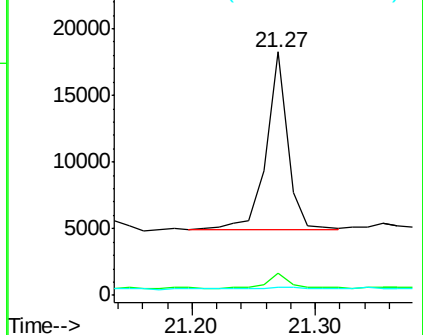
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.171 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099382.D
 Acq: 26 Apr 2019 17:29

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B179-042319

Tot Ion:149 Resp: 16544
 Ion Ratio Lower Upper
 149 100
 167 8.1 6.0 9.0
 279 1.8 1.1 1.7#

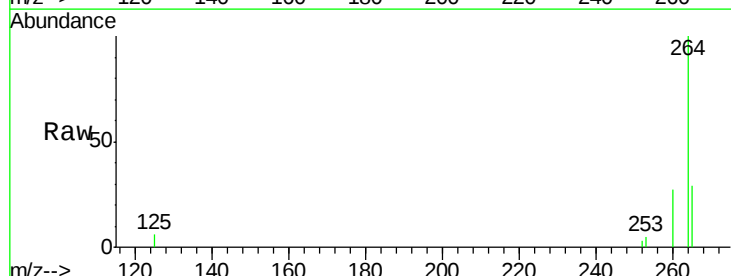


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

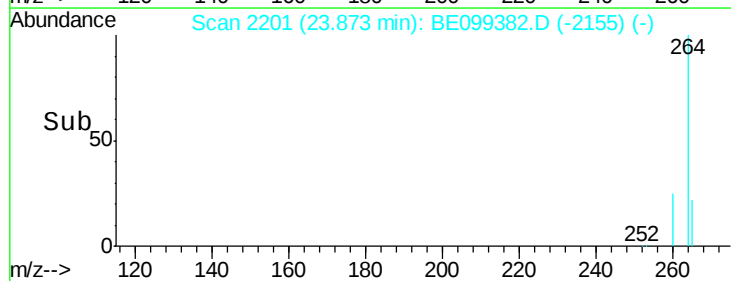
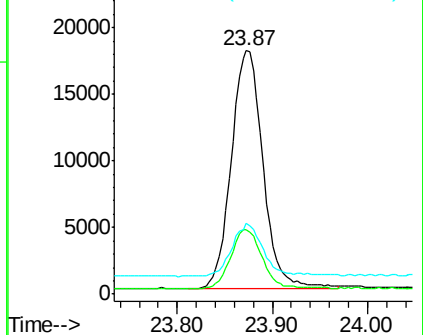


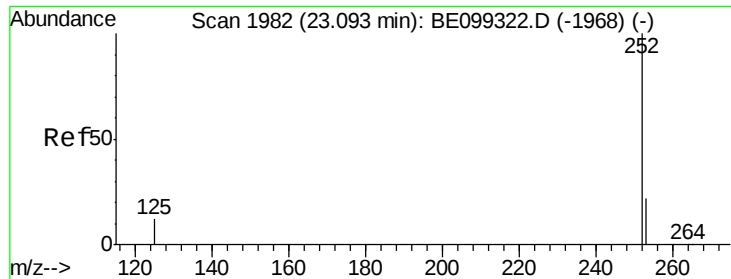
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BE099382.D
 Acq: 26 Apr 2019 17:29

Tgt Ion:264 Resp: 41601
 Ion Ratio Lower Upper
 264 100
 260 26.5 20.1 30.1
 265 28.9 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: 0.036 ng

RT: 23.10 min Scan# 1984

Delta R.T. 0.01 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B179-042319

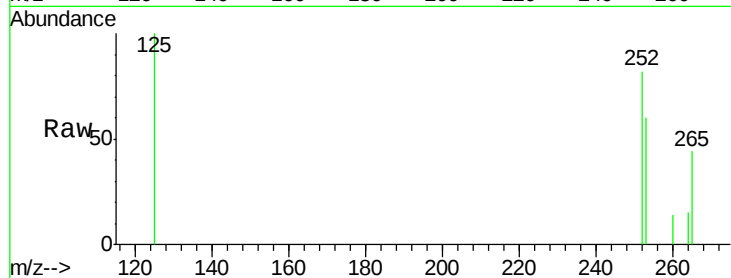
Tot Ion:252 Resp: 4630

Ion Ratio Lower Upper

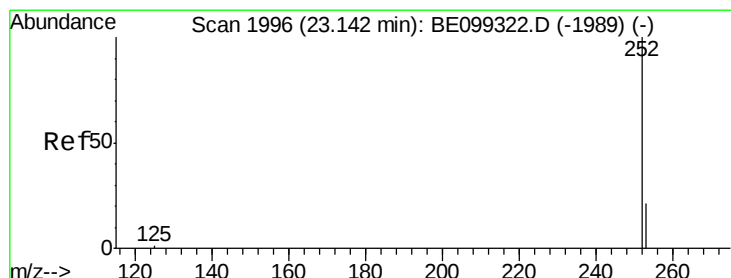
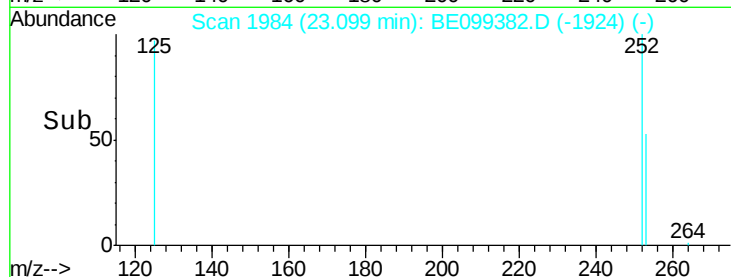
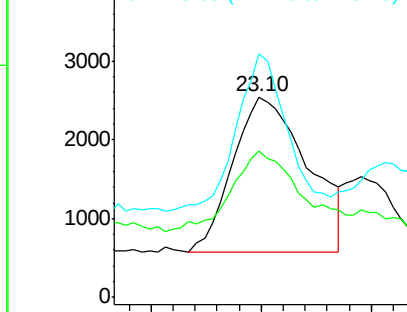
252 100

253 72.8 17.3 25.9#

125 121.4 5.8 8.6#



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: 0.036 ng

RT: 23.10 min Scan# 1984

Delta R.T. -0.04 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

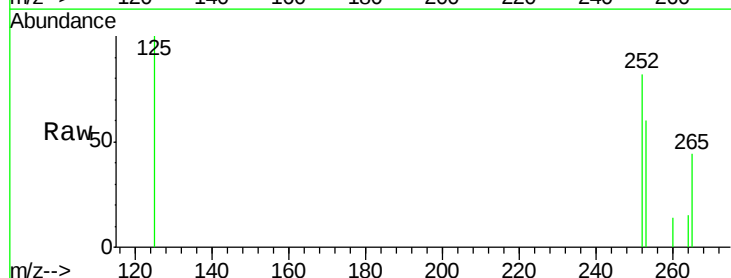
Tgt Ion:252 Resp: 4630

Ion Ratio Lower Upper

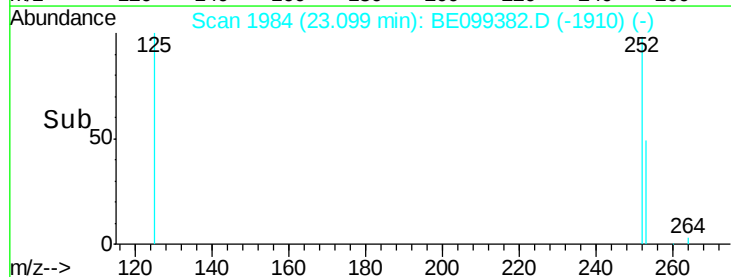
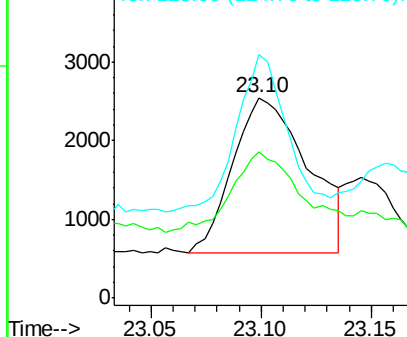
252 100

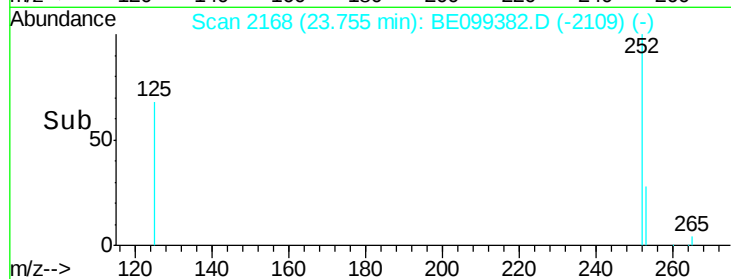
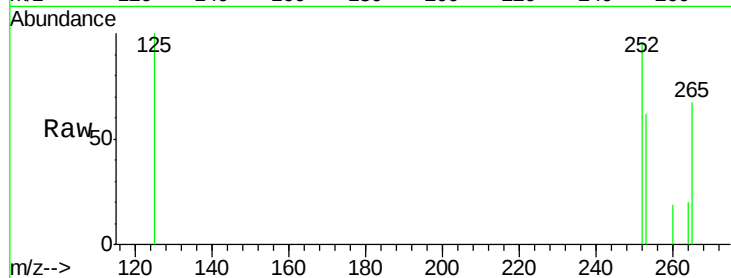
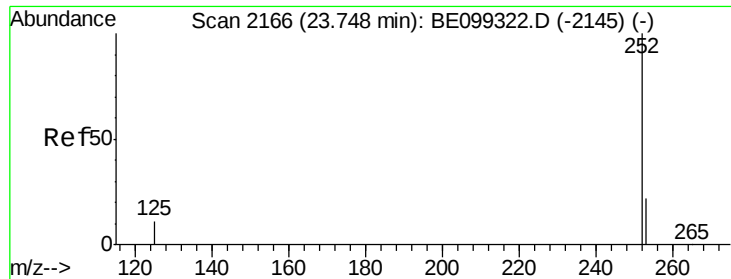
253 72.8 18.4 27.6#

125 121.4 5.4 8.0#



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: 0.028 ng

RT: 23.76 min Scan# 2168

Delta R.T. 0.01 min

Lab File: BE099382.D

Acq: 26 Apr 2019 17:29

Instrument :

BNA_E

ClientSampleId :

PST-023-B179-042319

Tot Ion: 252 Resp: 3195

Ion Ratio Lower Upper

252 100

253 64.6 17.6 26.4#

125 104.7 6.5 9.7#

