

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099099.D
 Acq On : 23 Mar 2019 3:03
 Operator : JU/SJ
 Sample : K1947-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B003-031219

Quant Time: Mar 23 04:01:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 00:46:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3071	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	12376	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	8151	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	21692	0.40	ng	0.00
27) Chrysene-d12	21.39	240	33136	0.40	ng	0.00
34) Perylene-d12	23.90	264	37245	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4216	0.46	ng	0.00
5) Phenol-d6	6.99	99	5858	0.44	ng	0.00
8) Nitrobenzene-d5	9.15	82	226	0.04	ng	0.16
11) 2-Methylnaphthalene-d10	12.22	152	8022	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1448	0.60	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	13388	0.41	ng	0.00
25) Fluoranthene-d10	19.24	212	97538	0.34	ng	0.00
29) Terphenyl-d14	19.84	244	20765	0.30	ng	0.00

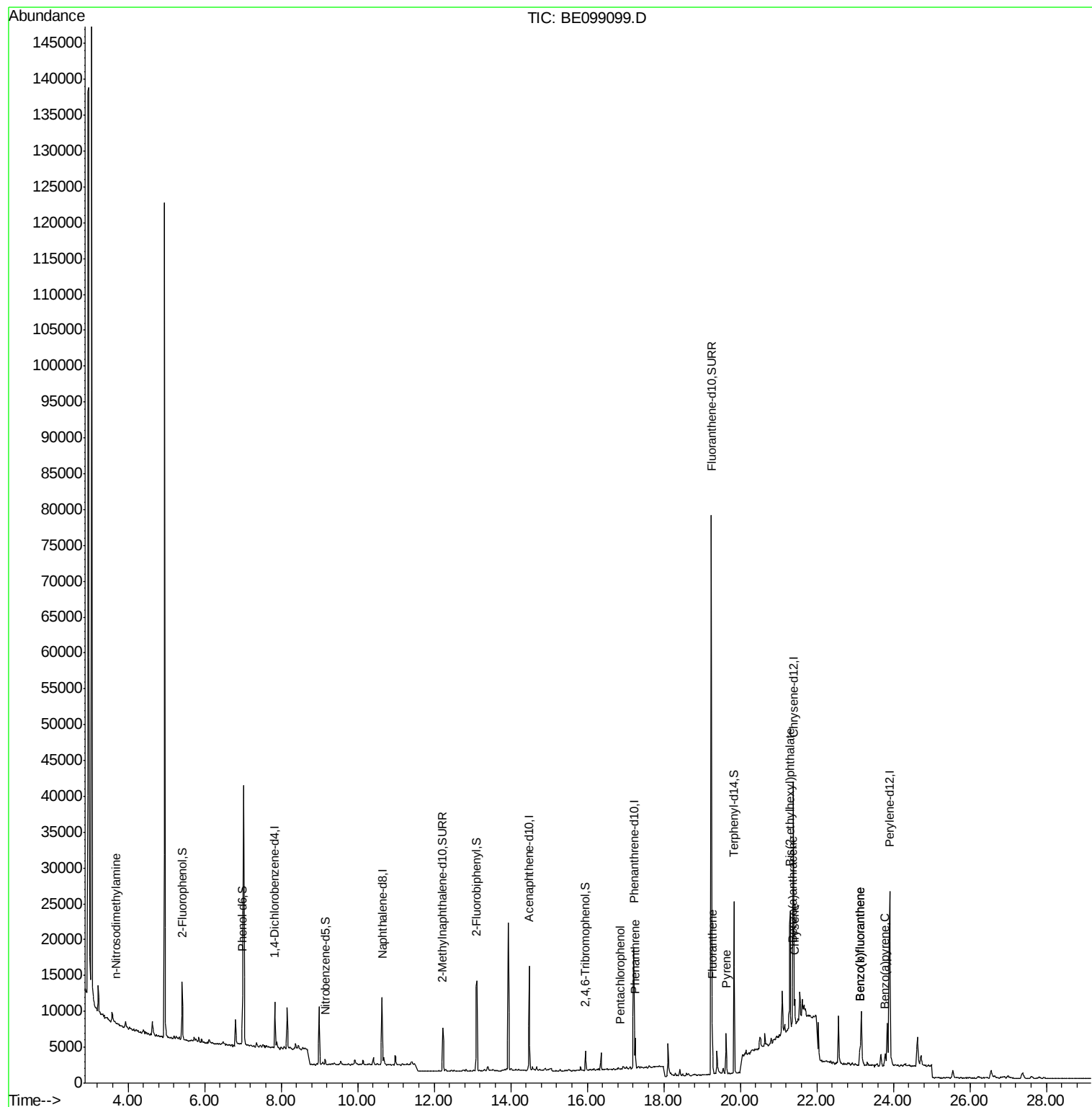
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.69	42	125	0.051	ng	# 1
22) Pentachlorophenol	16.87	266	35	0.259	ng	90
23) Phenanthrene	17.25	178	4228	0.066	ng	96
26) Fluoranthene	19.27	202	5599	0.062	ng	# 92
28) Pyrene	19.63	202	5318	0.047	ng	# 94
30) Benzo(a)anthracene	21.37	228	3054	0.026	ng	# 91
31) Chrysene	21.43	228	3514	0.030	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.31	149	26016	0.172	ng	98
35) Benzo(b)fluoranthene	23.13	252	4393	0.034	ng	# 50
36) Benzo(k)fluoranthene	23.13	252	4393	0.035	ng	# 54
37) Benzo(a)pyrene	23.78	252	2971	0.025	ng	# 57

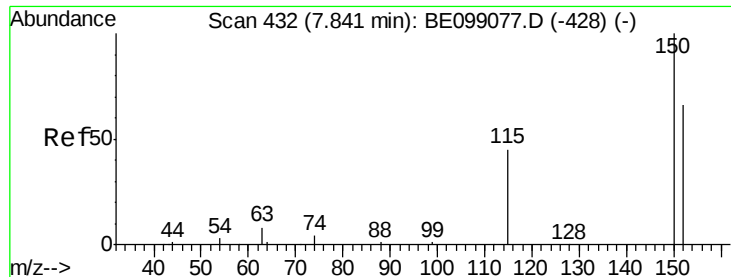
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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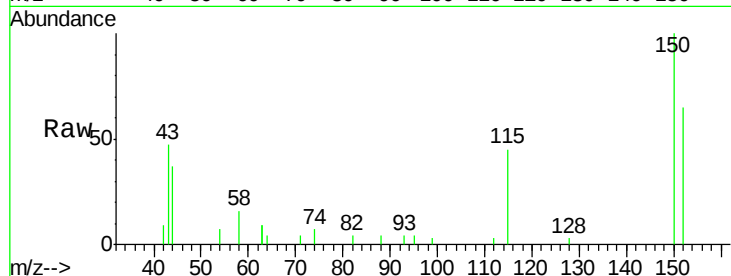


#1

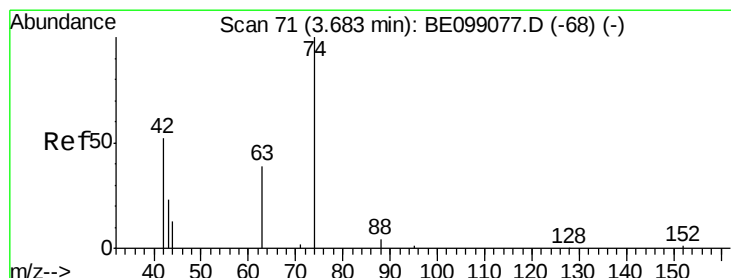
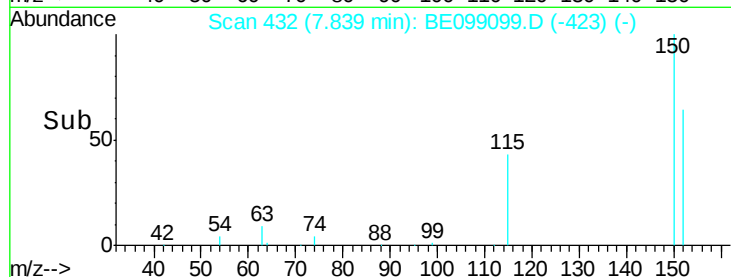
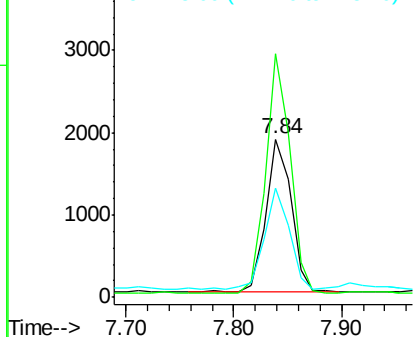
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099099.D
Acq: 23 Mar 2019 3:03

Instrument :
BNA_E
ClientSampleId :
PST-028-B003-031219

Tgt Ion:152 Resp: 3071
Ion Ratio Lower Upper
152 100
150 153.6 122.5 183.7
115 69.2 57.4 86.2



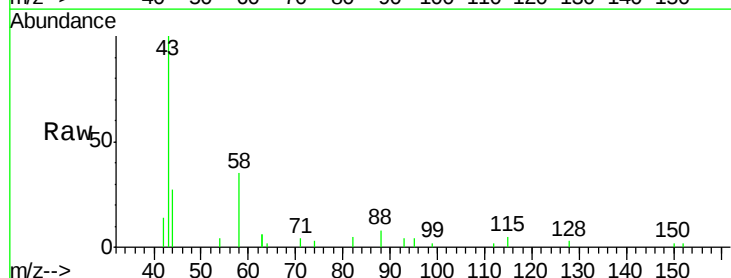
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



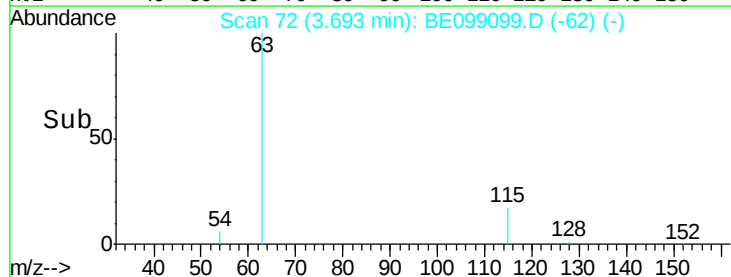
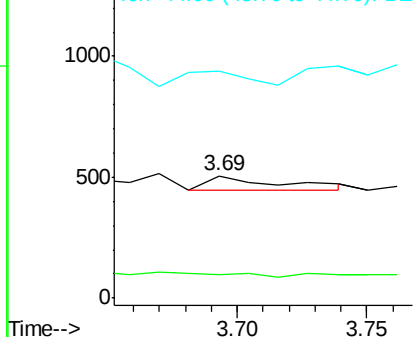
#3

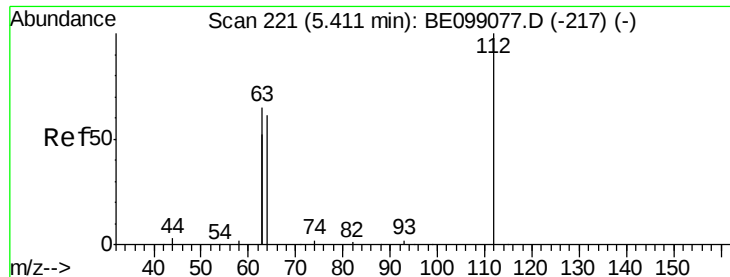
n-Nitrosodimethylamine
Concen: 0.051 ng
RT: 3.69 min Scan# 72
Delta R.T. 0.01 min
Lab File: BE099099.D
Acq: 23 Mar 2019 3:03

Tgt Ion: 42 Resp: 125
Ion Ratio Lower Upper
42 100
74 0.0 160.0 240.0#
44 86.4 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.461 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

Instrument :

BNA_E

ClientSampleId :

PST-028-B003-031219

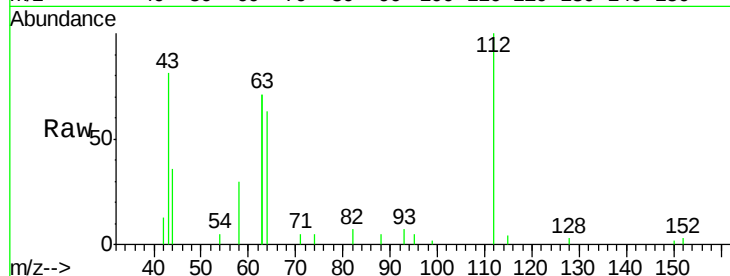
Tgt Ion: 112 Resp: 4216

Ion Ratio Lower Upper

112 100

64 56.7 57.9 86.9#

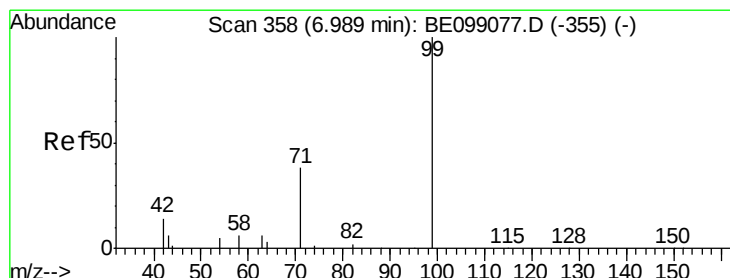
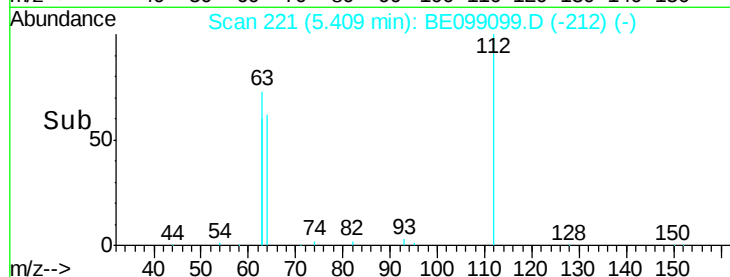
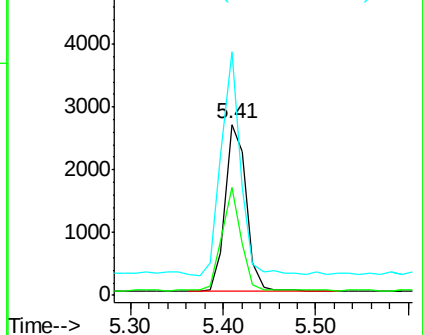
63 120.8 158.3 237.5#



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: 0.445 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

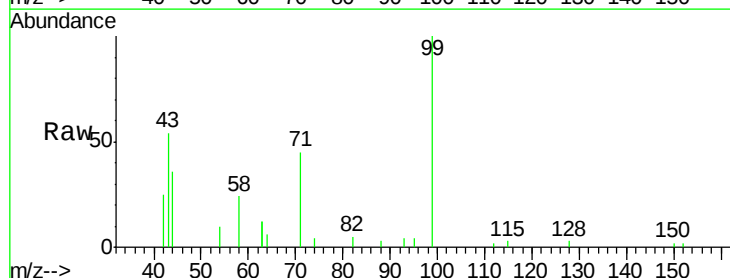
Tgt Ion: 99 Resp: 5858

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

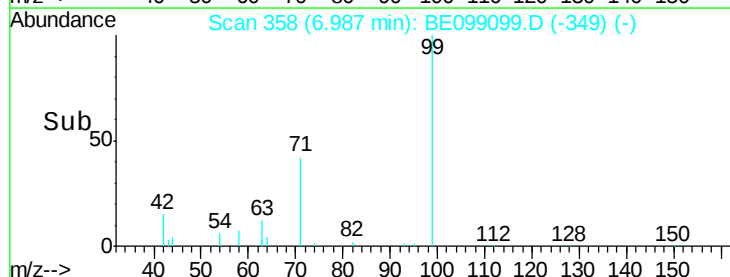
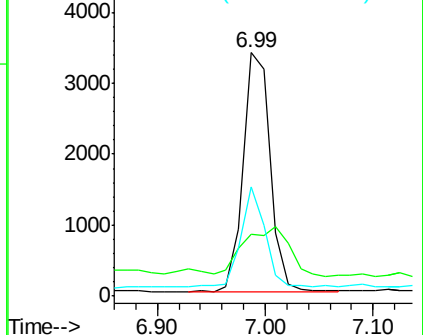
71 36.3 35.7 53.5

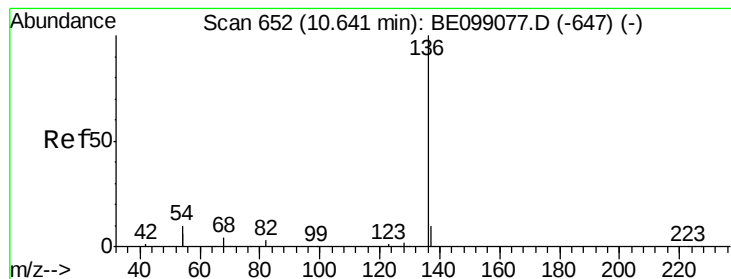


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

Instrument :

BNA_E

ClientSampleId :

PST-028-B003-031219

Tgt Ion: 136 Resp: 12376

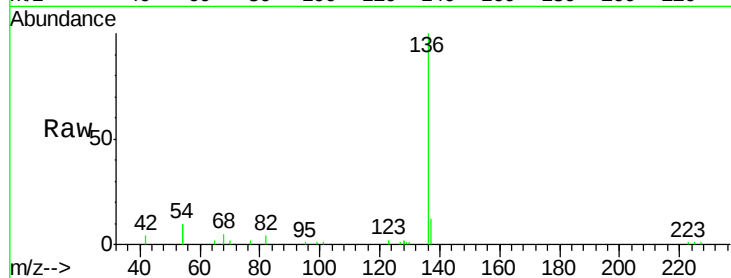
Ion Ratio Lower Upper

136 100

137 11.7 11.4 17.0

54 19.1 39.3 58.9#

68 5.4 6.7 10.1#

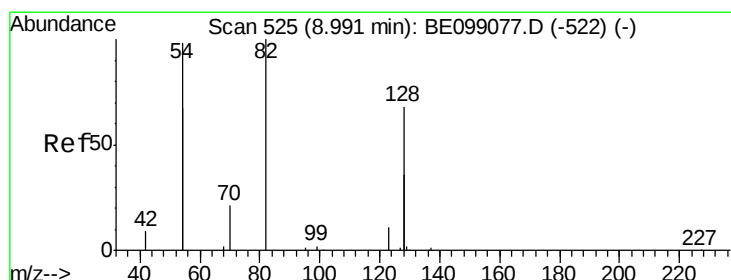
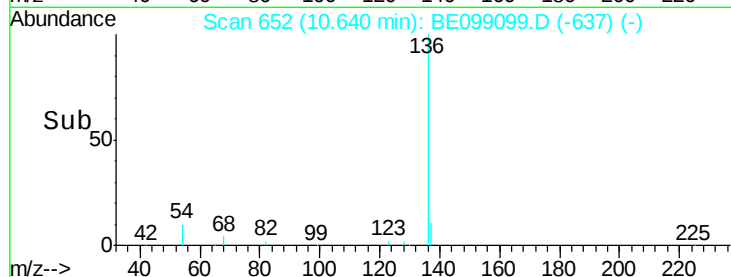
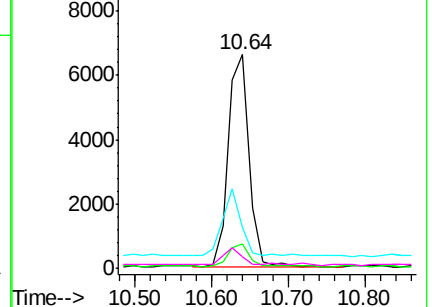


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.042 ng

RT: 9.15 min Scan# 537

Delta R.T. 0.16 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

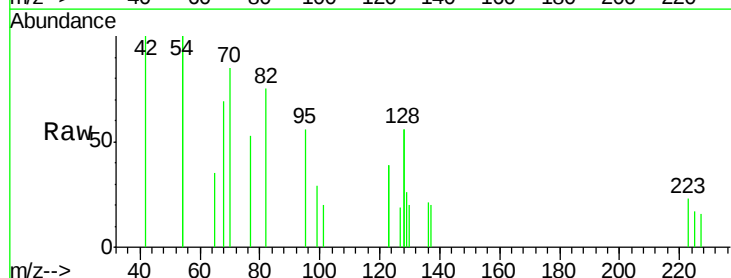
Tgt Ion: 82 Resp: 226

Ion Ratio Lower Upper

82 100

128 151.1 123.8 185.8

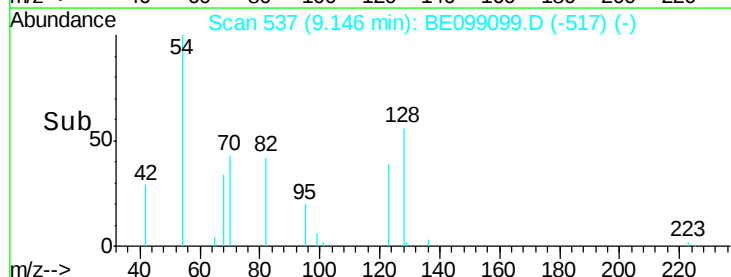
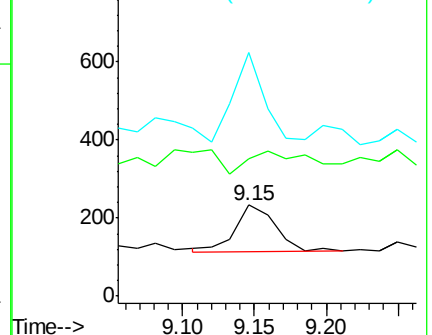
54 267.8 203.4 305.2

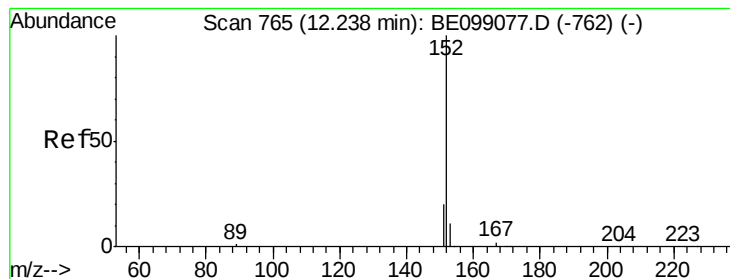


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.360 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

Instrument :

BNA_E

ClientSampleId :

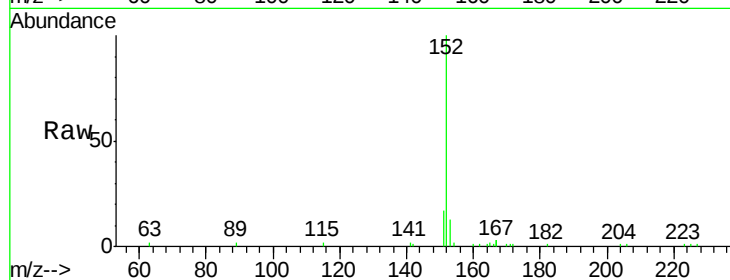
PST-028-B003-031219

Tgt Ion:152 Resp: 8022

Ion Ratio Lower Upper

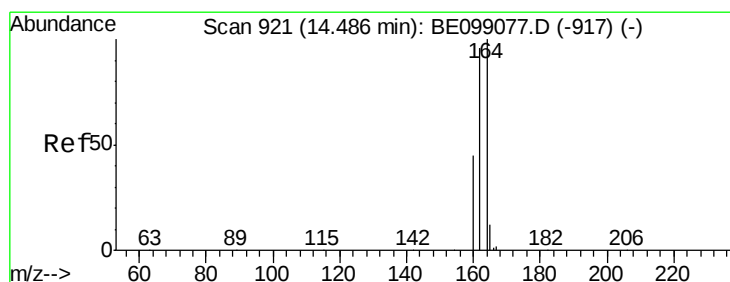
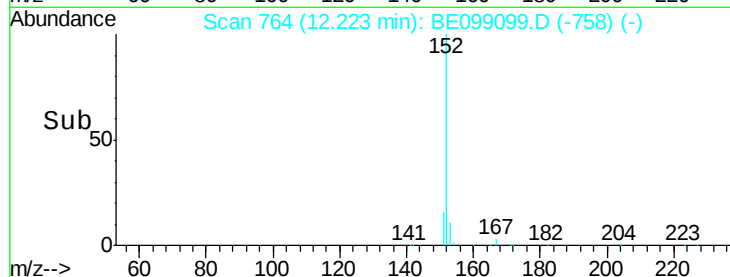
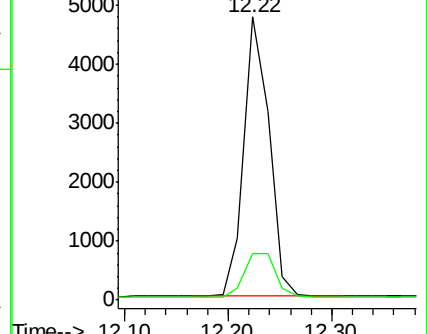
152 100

151 19.4 16.5 24.7



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: 14.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

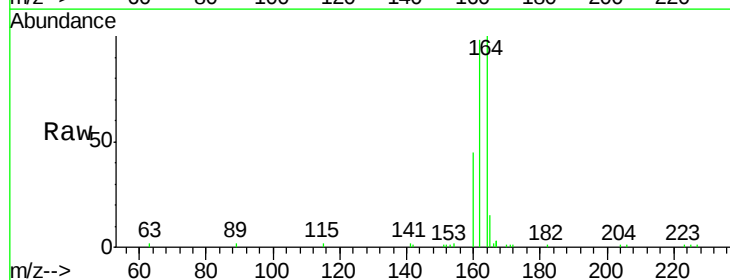
Tgt Ion:164 Resp: 8151

Ion Ratio Lower Upper

164 100

162 97.9 80.2 120.2

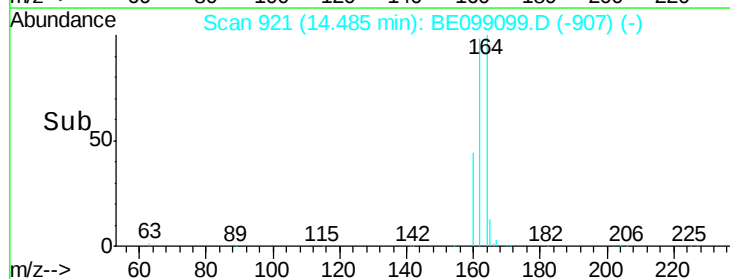
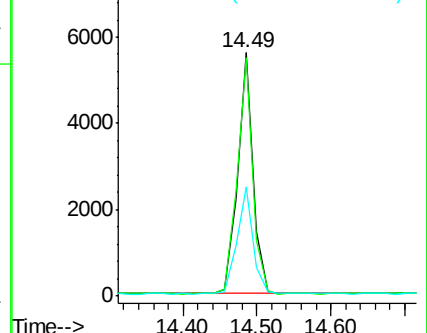
160 44.9 37.8 56.8

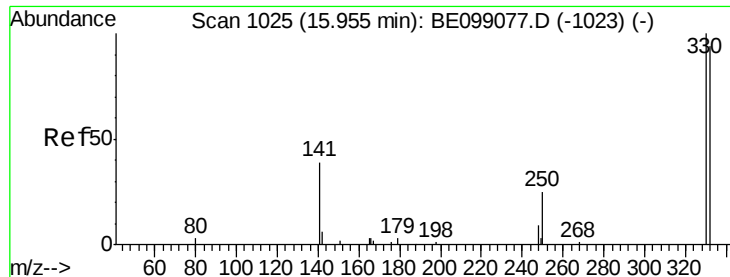


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

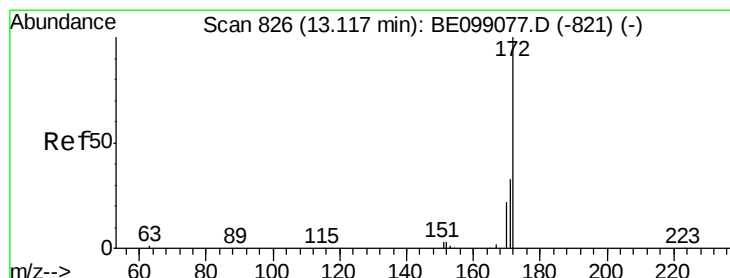
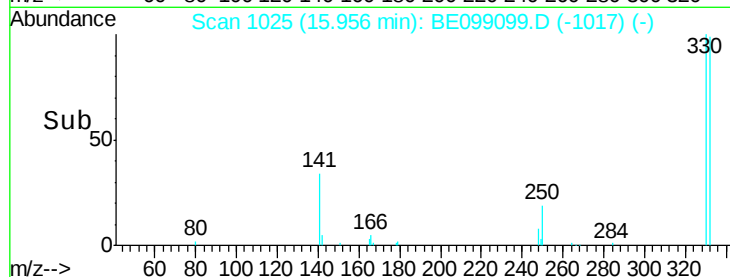
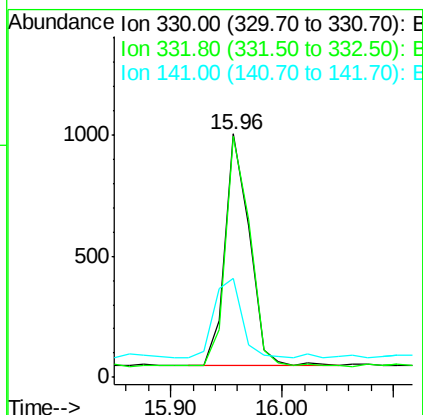
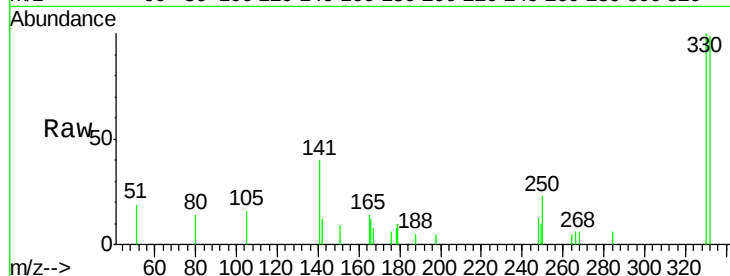




#14
 2,4,6-Tribromophenol
 Concen: 0.604 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099099.D
 Acq: 23 Mar 2019 3:03

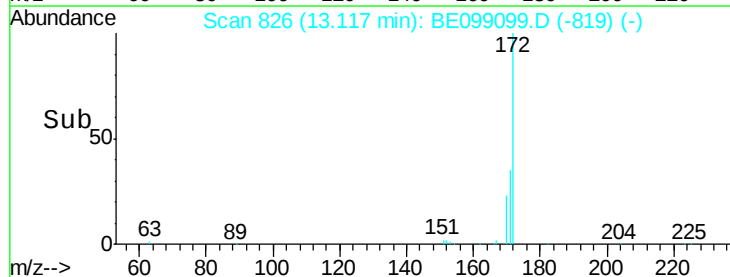
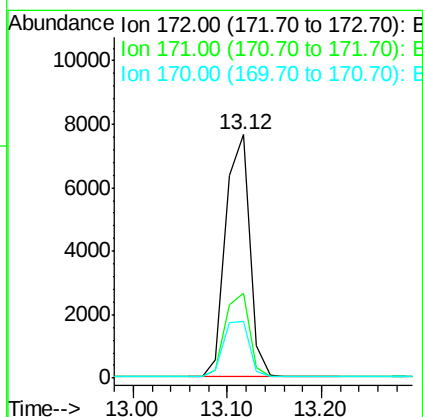
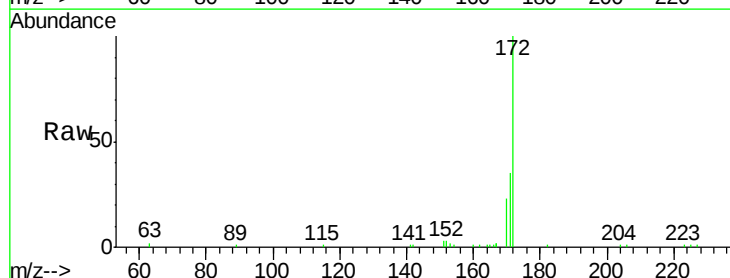
Instrument :
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 PST-028-B003-031219

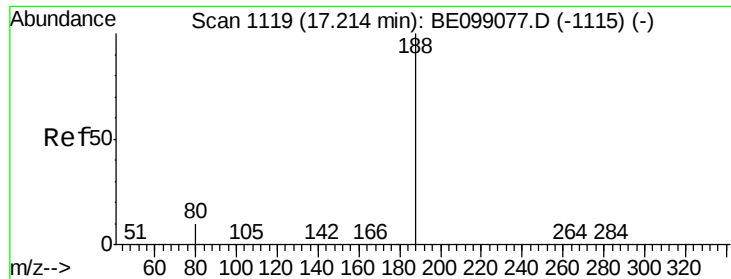
Tgt Ion: 330 Resp: 1448
 Ion Ratio Lower Upper
 330 100
 332 101.0 77.6 116.4
 141 39.1 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.413 ng
 RT: 13.12 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BE099099.D
 Acq: 23 Mar 2019 3:03

Tgt Ion: 172 Resp: 13388
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.0 42.0
 170 23.3 17.7 26.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

Instrument :

BNA_E

ClientSampleId :

PST-028-B003-031219

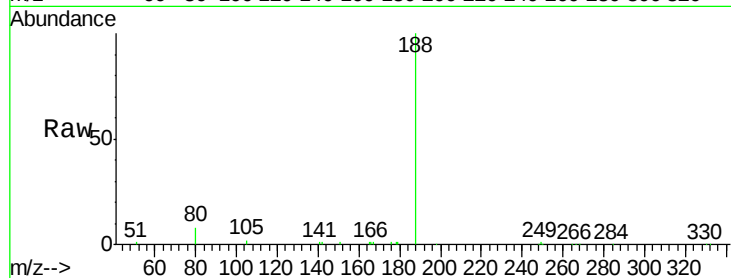
Tgt Ion:188 Resp: 21692

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

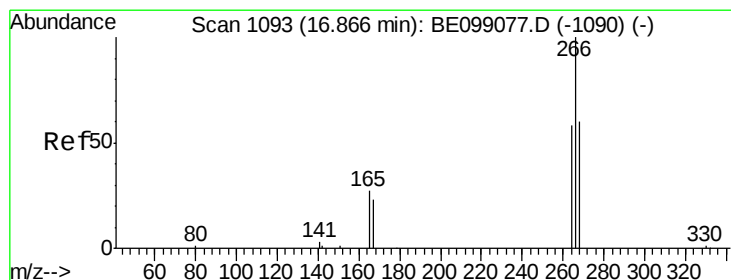
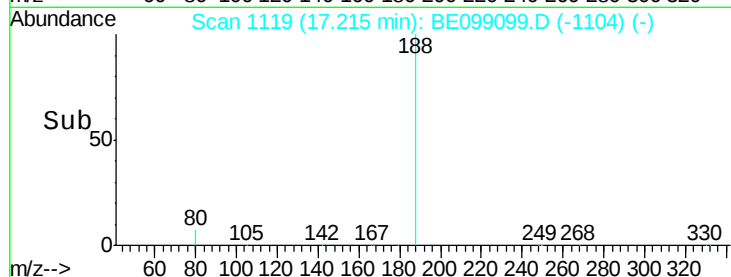
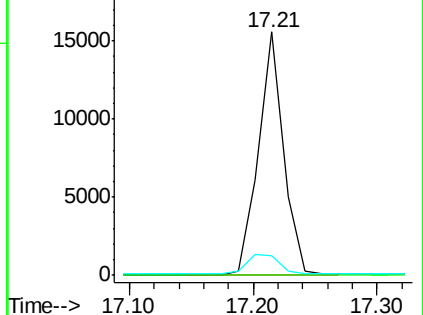
80 8.2 6.3 9.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.259 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

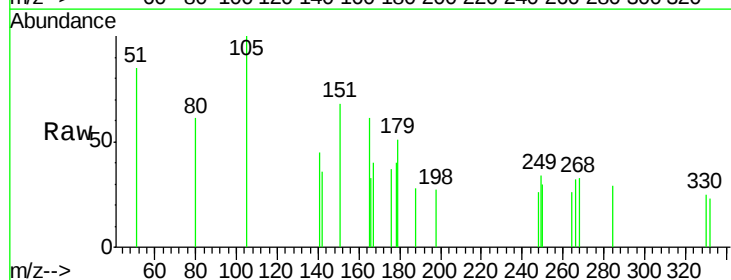
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

264 81.5 66.6 100.0

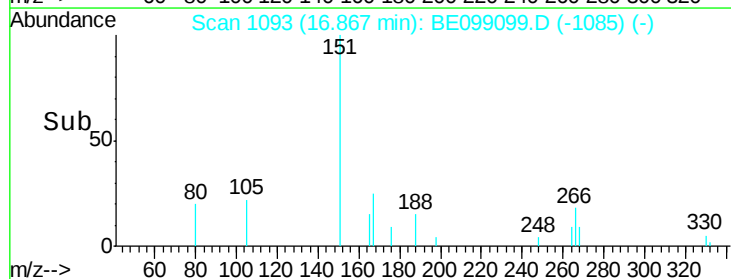
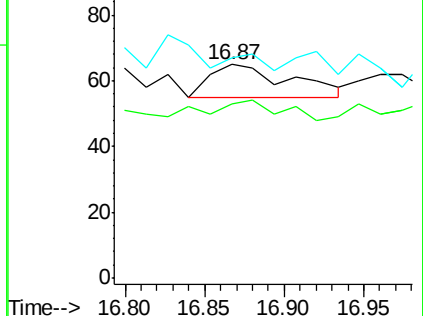
268 103.1 69.8 104.8

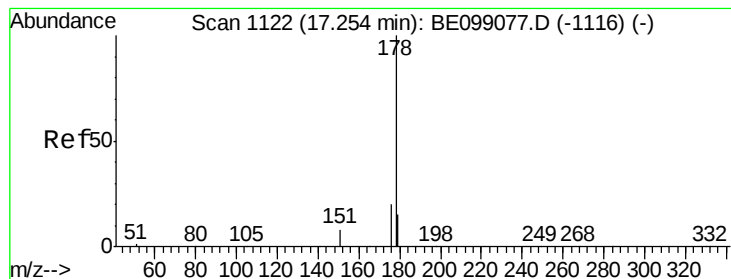


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.066 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

Instrument :

BNA_E

ClientSampleId :

PST-028-B003-031219

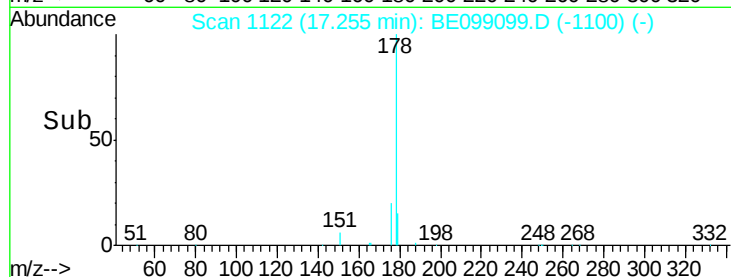
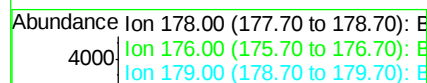
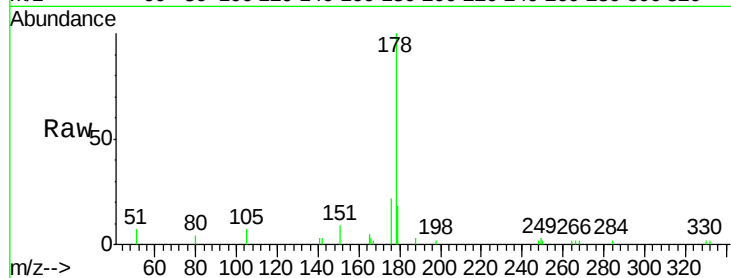
Tgt Ion:178 Resp: 4228

Ion Ratio Lower Upper

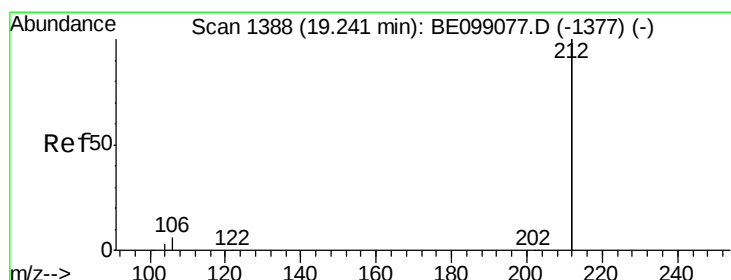
178 100

176 21.2 16.0 24.0

179 17.4 12.1 18.1



Time-->



#25

Fluoranthene-d10

Concen: 0.337 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

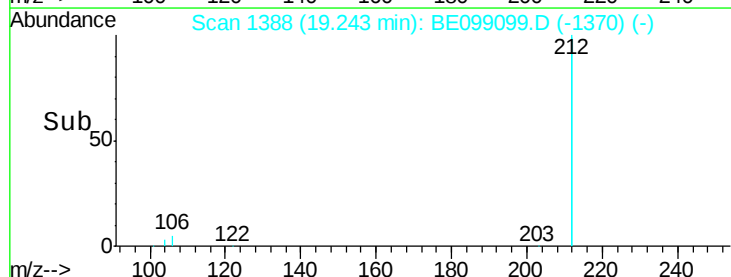
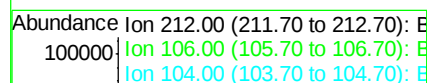
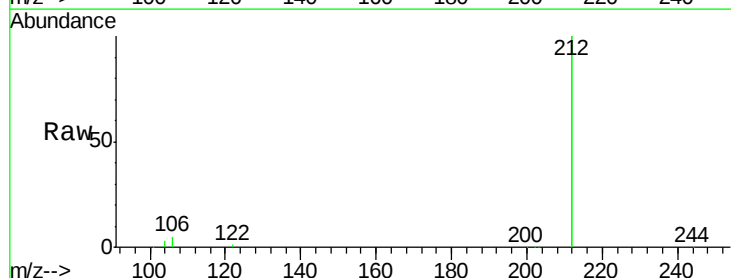
Tgt Ion:212 Resp: 97538

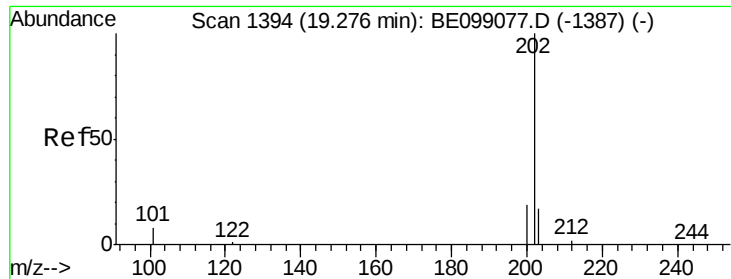
Ion Ratio Lower Upper

212 100

106 2.8 1.8 2.8#

104 1.6 1.0 1.6

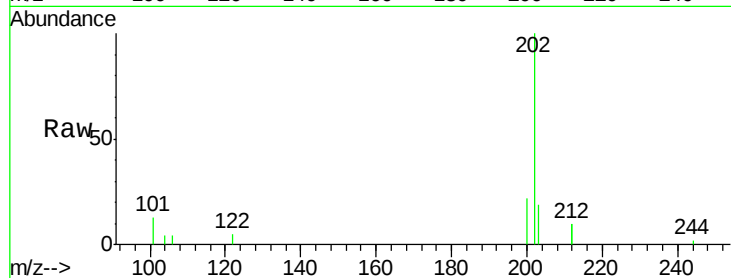




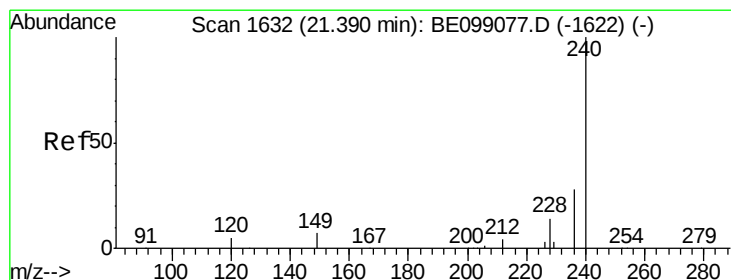
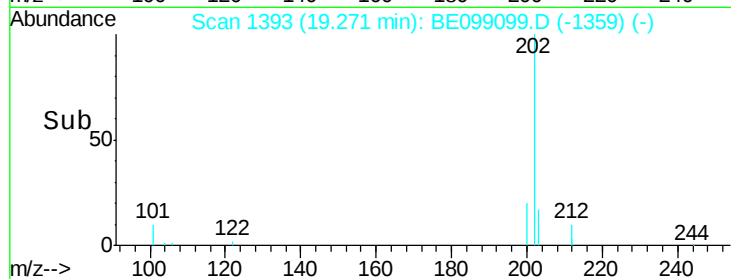
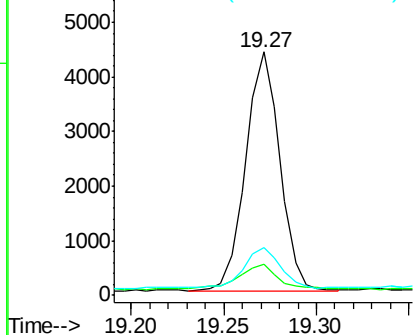
#26
 Fluoranthene
 Concen: 0.062 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: BE099099.D
 Acq: 23 Mar 2019 3:03

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B003-031219

Tgt Ion: 202 Resp: 5599
 Ion Ratio Lower Upper
 202 100
 101 12.5 7.3 10.9#
 203 20.2 13.4 20.2#

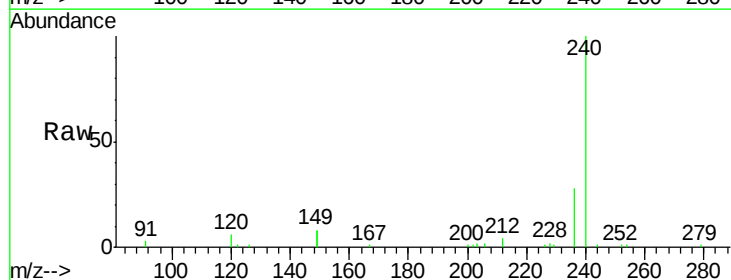


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

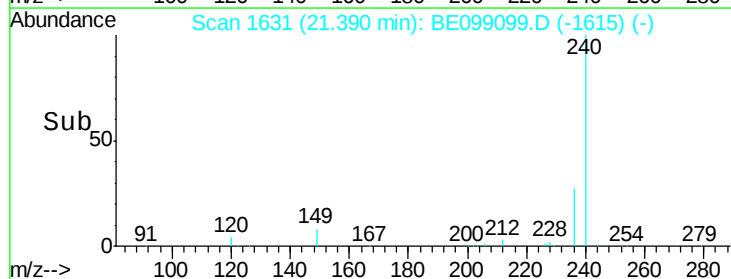
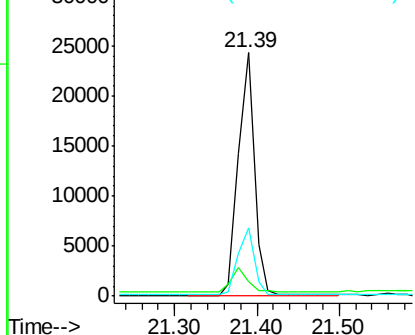


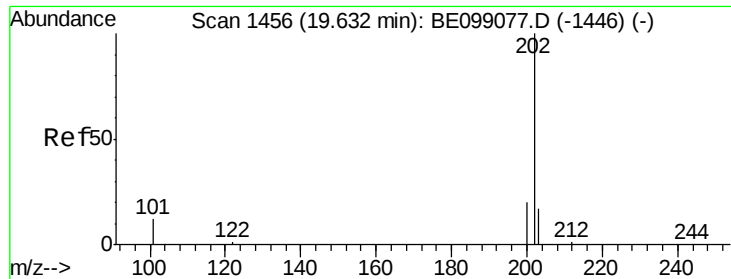
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: BE099099.D
 Acq: 23 Mar 2019 3:03

Tgt Ion: 240 Resp: 33136
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.0 7.4
 236 27.8 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

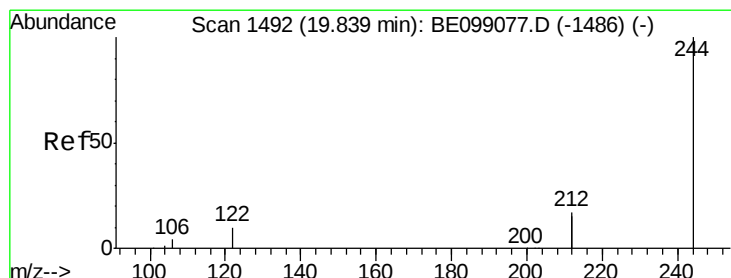
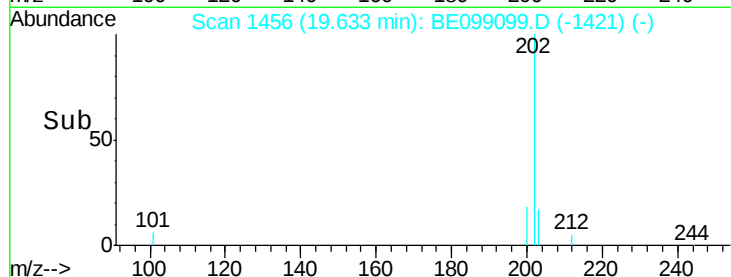
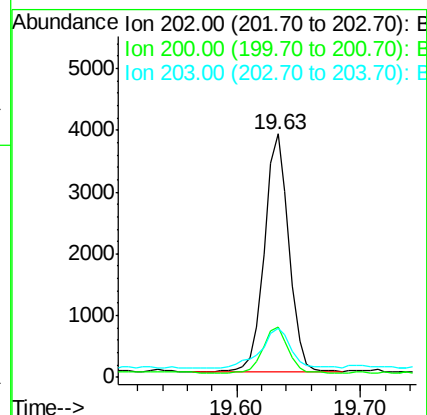
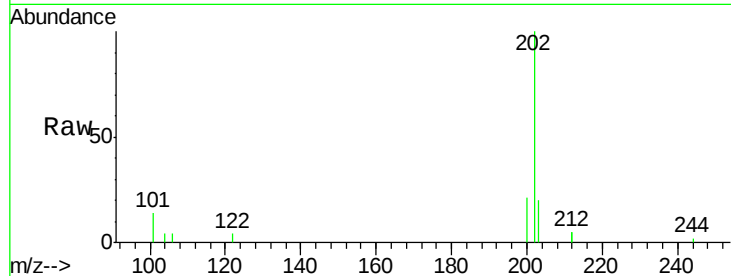




#28
 Pyrene
 Concen: 0.047 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099099.D
 Acq: 23 Mar 2019 3:03

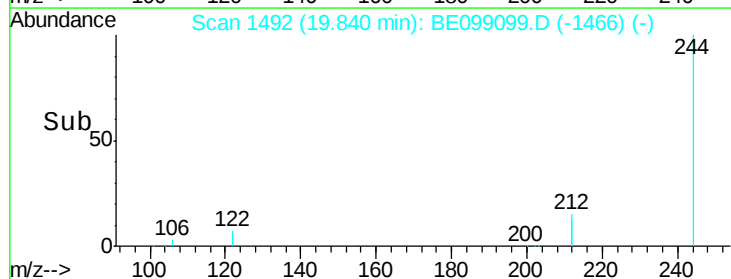
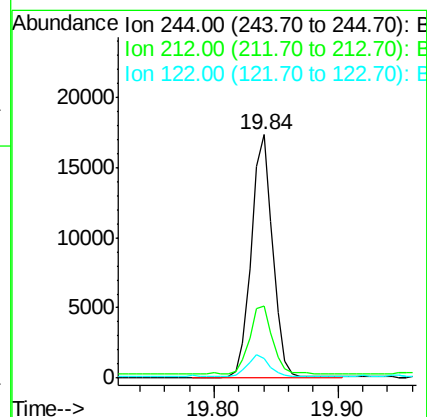
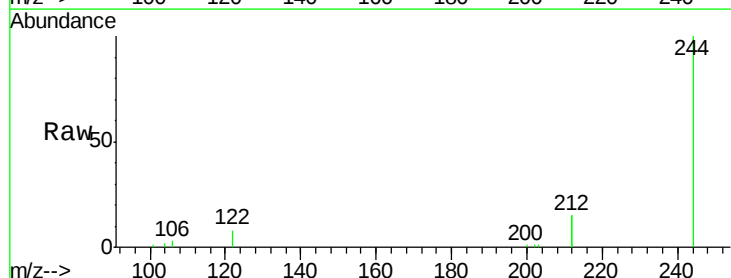
Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B003-031219

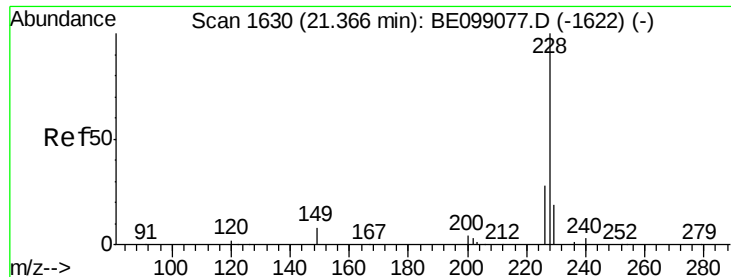
Tgt Ion: 202 Resp: 5318
 Ion Ratio Lower Upper
 202 100
 200 19.3 17.0 25.6
 203 21.3 14.2 21.2#



#29
 Terphenyl-d14
 Concen: 0.296 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BE099099.D
 Acq: 23 Mar 2019 3:03

Tgt Ion: 244 Resp: 20765
 Ion Ratio Lower Upper
 244 100
 212 29.5 29.4 44.2
 122 8.3 7.1 10.7





#30

Benzo(a)anthracene

Concen: 0.026 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

Instrument :

BNA_E

ClientSampleId :

PST-028-B003-031219

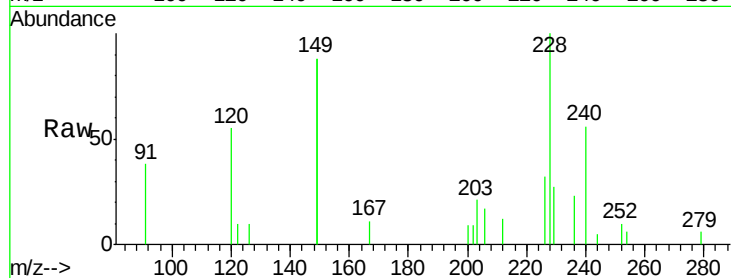
Tgt Ion:228 Resp: 3054

Ion Ratio Lower Upper

228 100

226 31.6 23.0 34.4

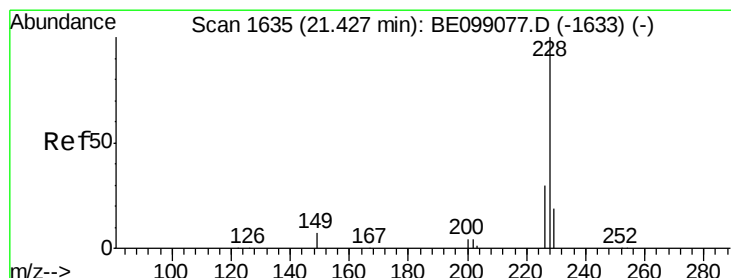
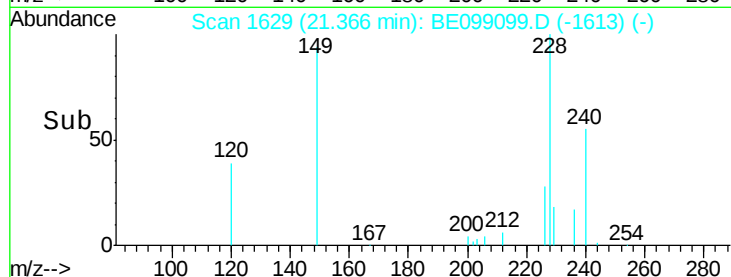
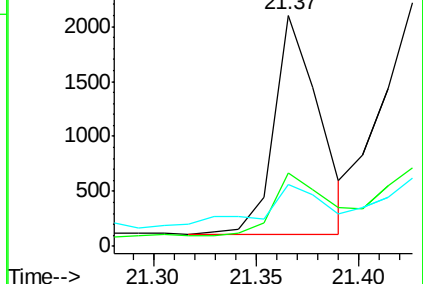
229 26.8 16.5 24.7#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.030 ng

RT: 21.43 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

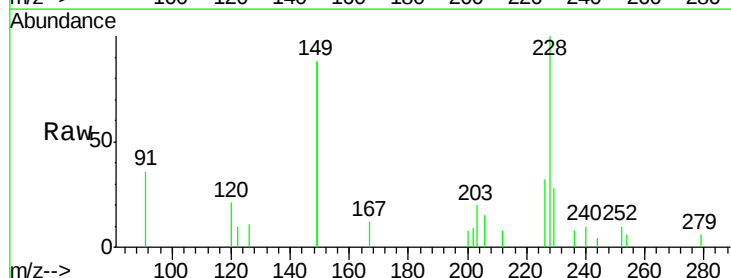
Tgt Ion:228 Resp: 3514

Ion Ratio Lower Upper

228 100

226 32.2 23.7 35.5

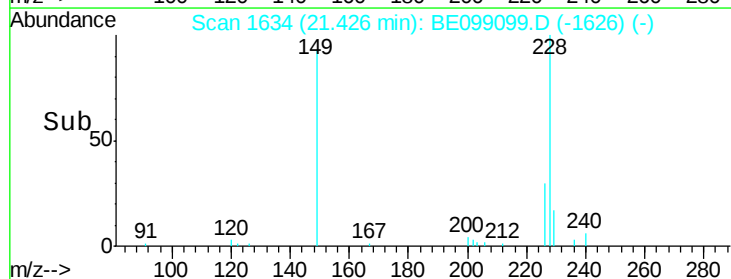
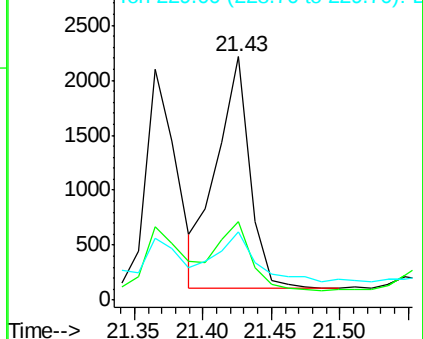
229 28.3 16.1 24.1#

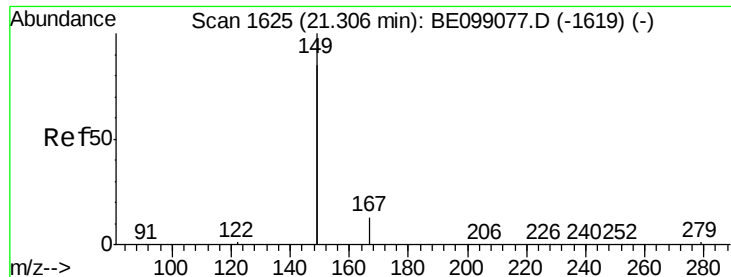


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

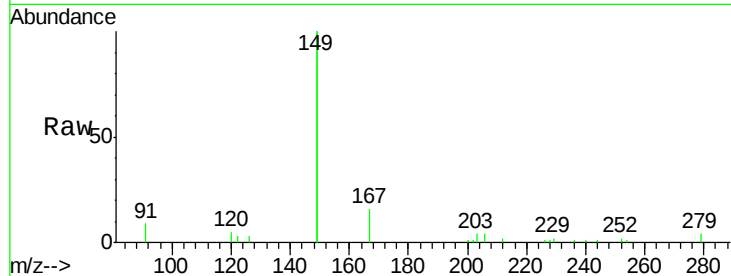




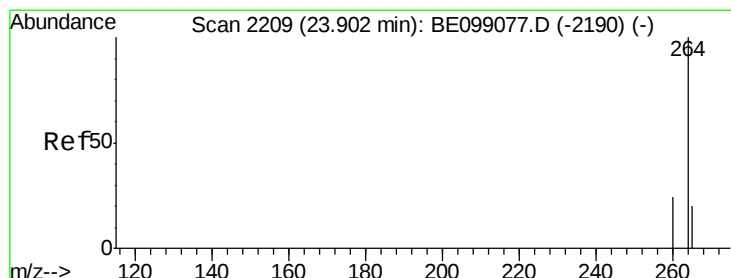
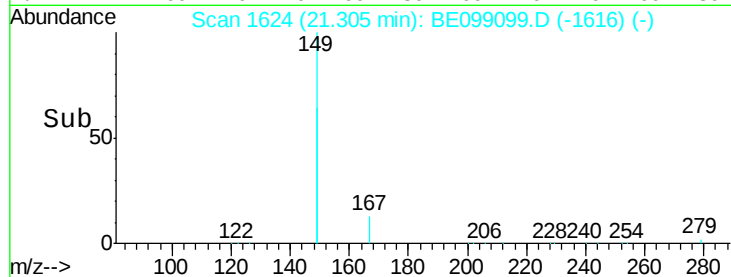
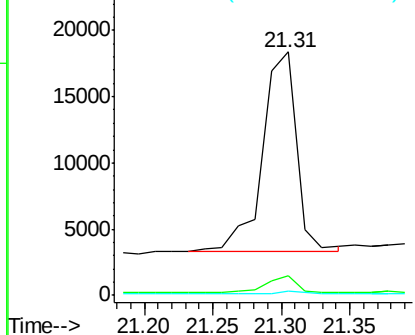
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.172 ng
 RT: 21.31 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BE099099.D
 Acq: 23 Mar 2019 3:03

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B003-031219

Tgt Ion:149 Resp: 26016
 Ion Ratio Lower Upper
 149 100
 167 7.5 5.4 8.0
 279 1.2 1.0 1.4

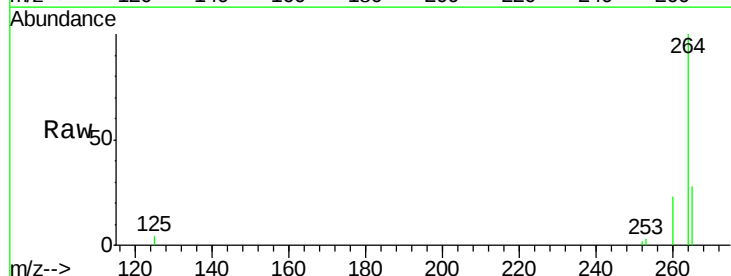


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

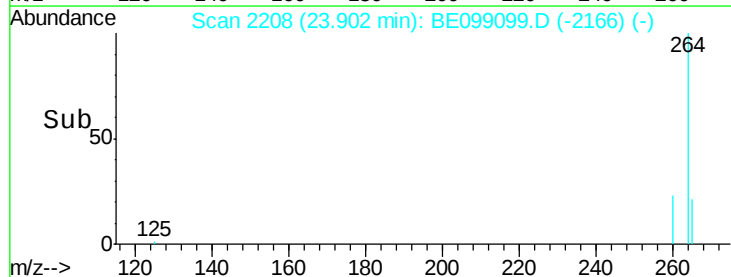
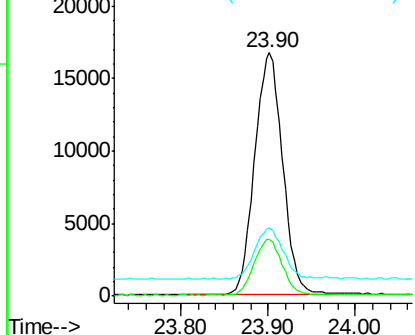


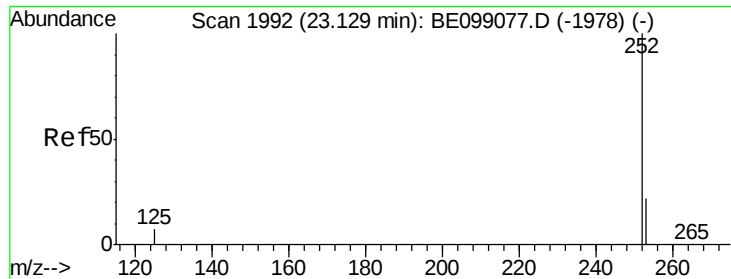
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE099099.D
 Acq: 23 Mar 2019 3:03

Tgt Ion:264 Resp: 37245
 Ion Ratio Lower Upper
 264 100
 260 23.2 21.2 31.8
 265 28.3 24.6 36.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.034 ng

RT: 23.13 min Scan# 1992

Delta R.T. 0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

Instrument :

BNA_E

ClientSampleId :

PST-028-B003-031219

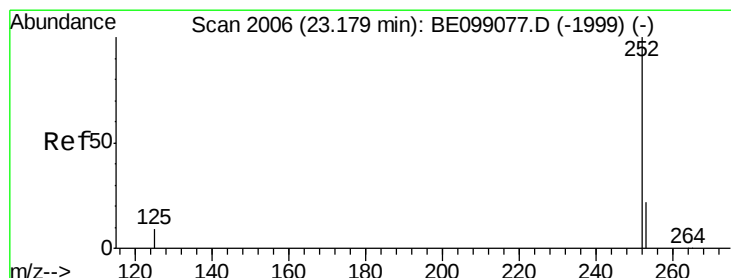
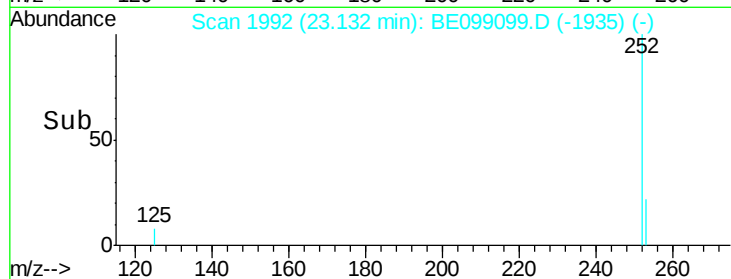
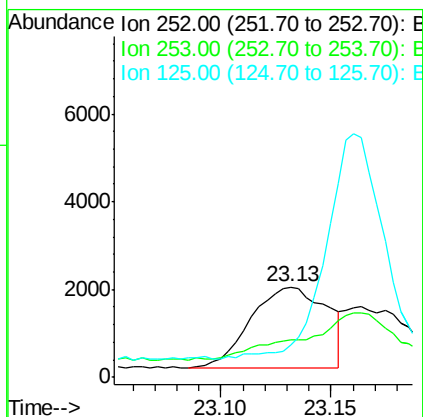
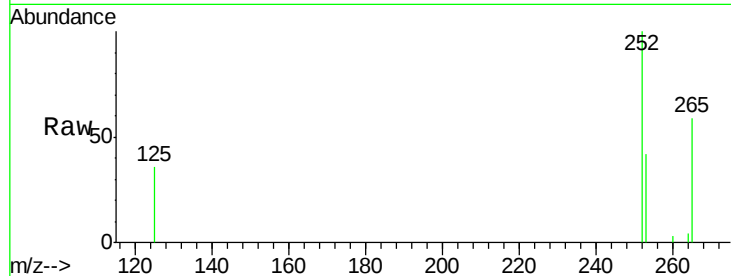
Tgt Ion:252 Resp: 4393

Ion Ratio Lower Upper

252 100

253 41.9 18.2 27.2#

125 36.0 7.3 10.9#



#36

Benzo(k)fluoranthene

Concen: 0.035 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.05 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

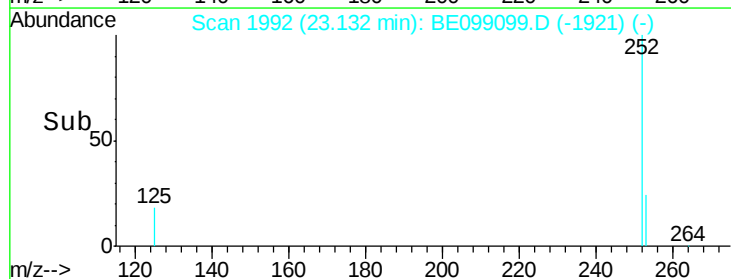
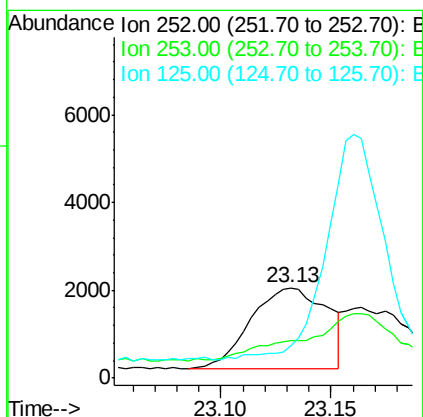
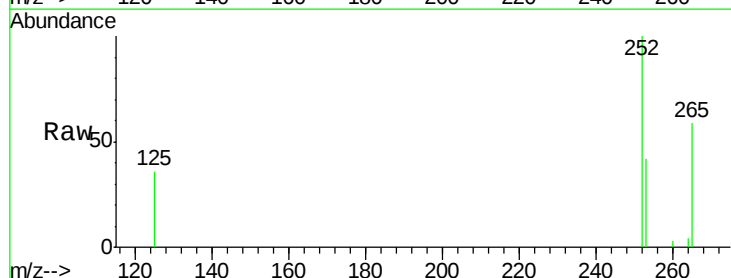
Tgt Ion:252 Resp: 4393

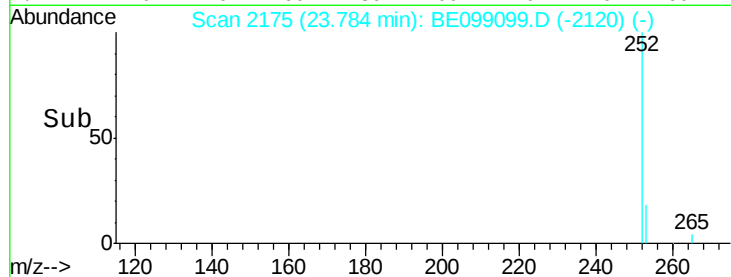
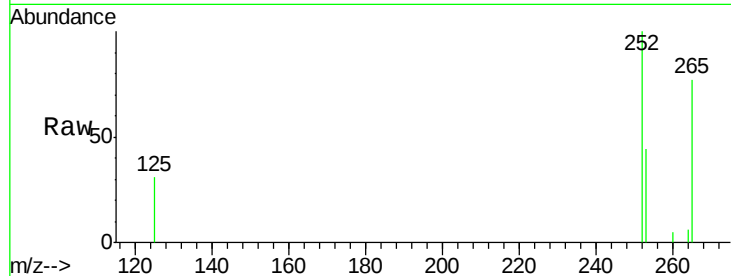
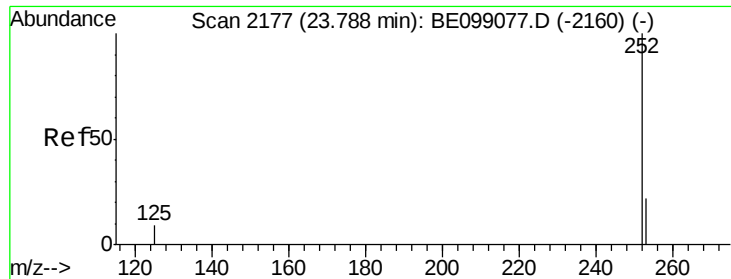
Ion Ratio Lower Upper

252 100

253 41.9 19.3 28.9#

125 36.0 7.5 11.3#





#37

Benzo(a)pyrene

Concen: 0.025 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BE099099.D

Acq: 23 Mar 2019 3:03

Instrument :

BNA_E

ClientSampleId :

PST-028-B003-031219

Tgt Ion: 252 Resp: 2971

Ion Ratio Lower Upper

252 100

253 44.2 19.9 29.9#

125 31.4 9.0 13.4#

