

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099114.D
 Acq On : 23 Mar 2019 16:24
 Operator : JU/SJ
 Sample : K2014-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW041-031919

Quant Time: Mar 23 22:36:31 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 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3425	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13567	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	8837	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	25401	0.40	ng	0.00
27) Chrysene-d12	21.39	240	37359	0.40	ng	0.00
34) Perylene-d12	23.90	264	40522	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4663	0.46	ng	0.00
5) Phenol-d6	6.99	99	6730	0.46	ng	0.00
8) Nitrobenzene-d5	8.99	82	4442	0.75	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9605	0.39	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1626	0.63	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	15217	0.43	ng	-0.01
25) Fluoranthene-d10	19.24	212	147596	0.44	ng	0.00
29) Terphenyl-d14	19.84	244	29234	0.37	ng	0.00

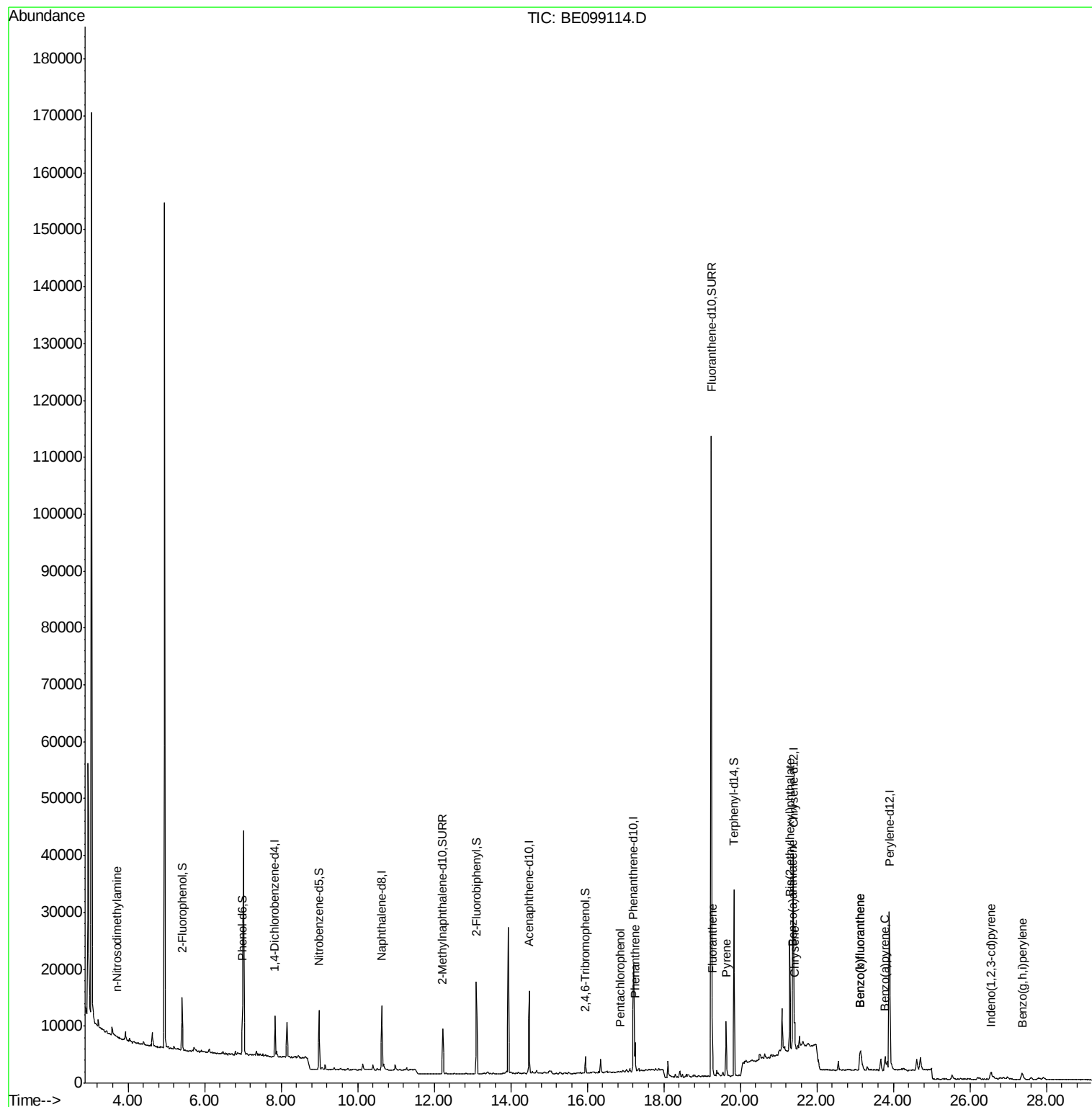
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.71	42	59	0.022	ng	# 17
22) Pentachlorophenol	16.87	266	34	0.258	ng	93
23) Phenanthrene	17.25	178	5025	0.067	ng	99
26) Fluoranthene	19.27	202	8130	0.077	ng	96
28) Pyrene	19.63	202	8741	0.069	ng	# 96
30) Benzo(a)anthracene	21.37	228	5034	0.038	ng	94
31) Chrysene	21.43	228	5126	0.039	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.29	149	23102	0.135	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	2839	0.020	ng	# 81
35) Benzo(b)fluoranthene	23.13	252	6402	0.046	ng	# 65
36) Benzo(k)fluoranthene	23.13	252	6402	0.047	ng	# 68
37) Benzo(a)pyrene	23.78	252	4306	0.033	ng	# 75
39) Benzo(g,h,i)perylene	27.37	276	2974	0.023	ng	# 84

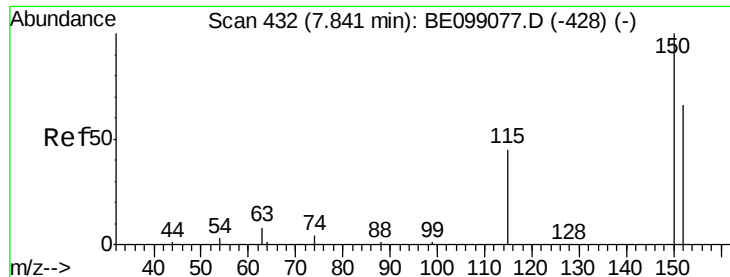
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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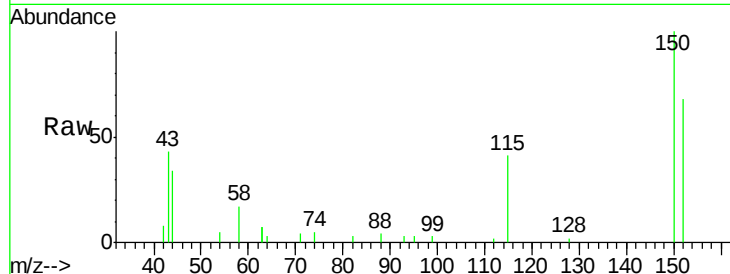


#1

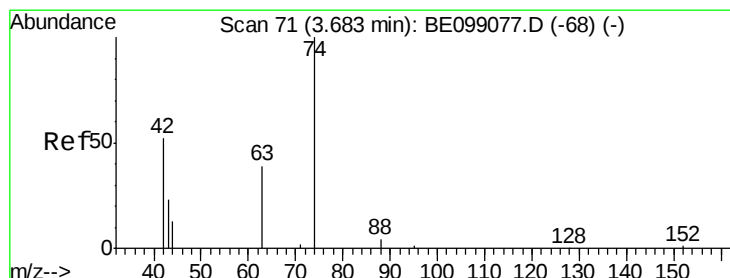
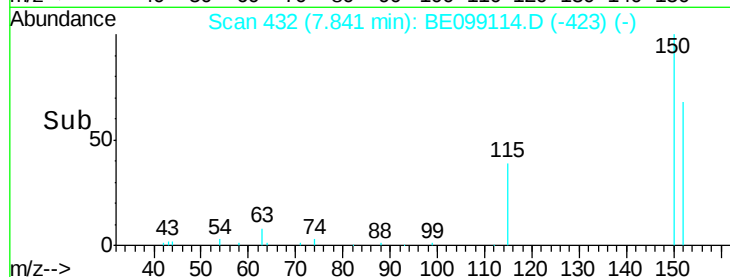
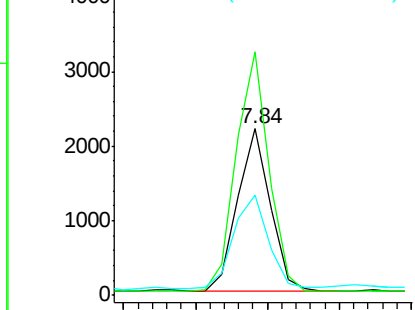
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Instrument :
BNA_E
ClientSampleId :
PST-026-SW041-031919

Tgt Ion: 152 Resp: 3425
Ion Ratio Lower Upper
152 100
150 146.2 122.5 183.7
115 60.4 57.4 86.2



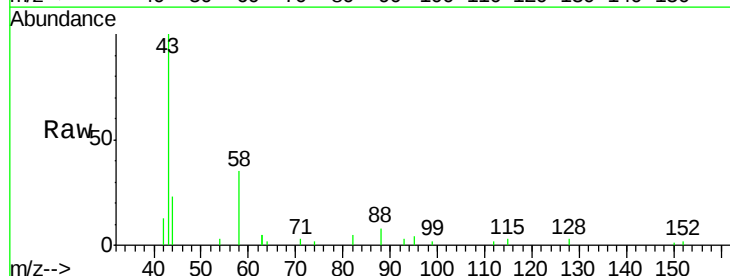
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



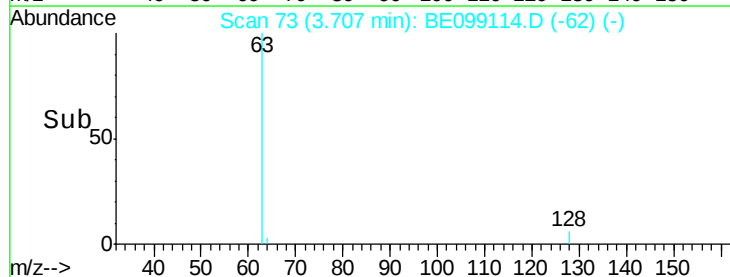
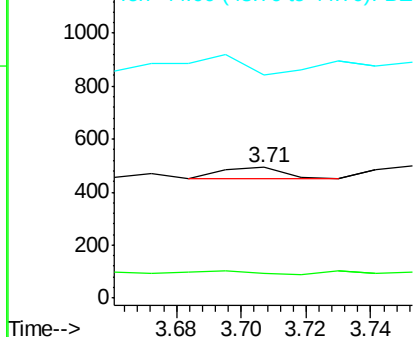
#3

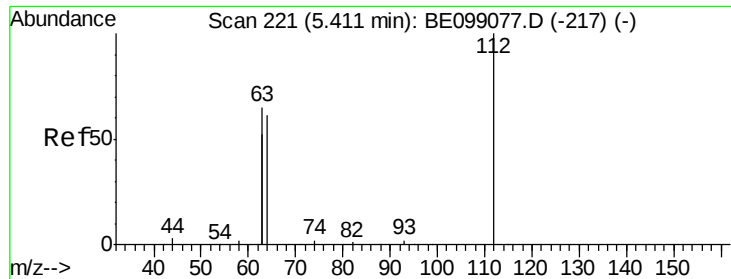
n-Nitrosodimethylamine
Concen: 0.022 ng
RT: 3.71 min Scan# 73
Delta R.T. 0.02 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Tgt Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
74 74.6 160.0 240.0#
44 91.5 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: 0.457 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

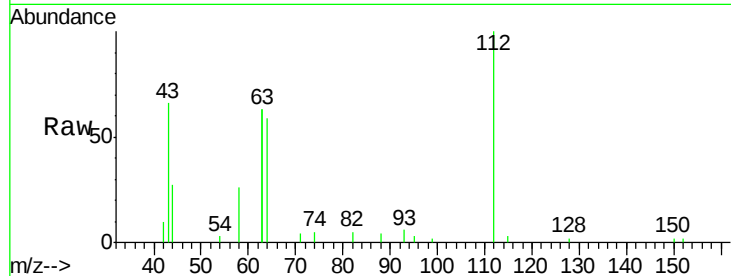
Tgt Ion: 112 Resp: 4663

Ion Ratio Lower Upper

112 100

64 57.0 57.9 86.9#

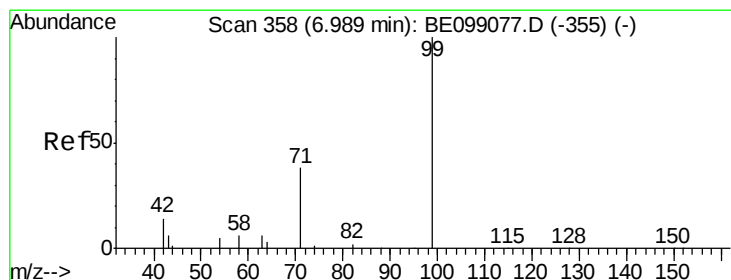
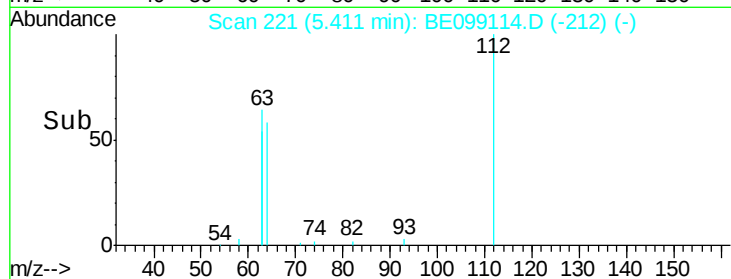
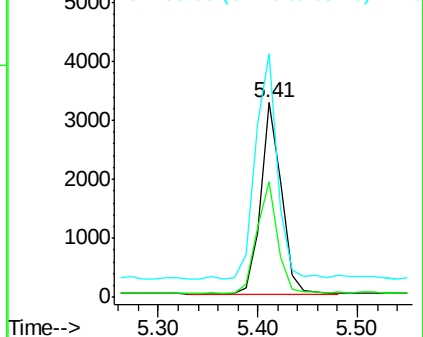
63 123.6 158.3 237.5#



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: 0.458 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

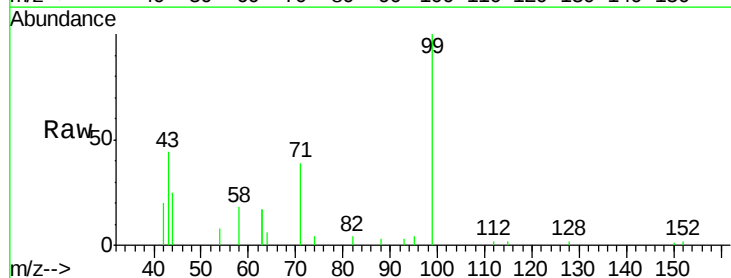
Tgt Ion: 99 Resp: 6730

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

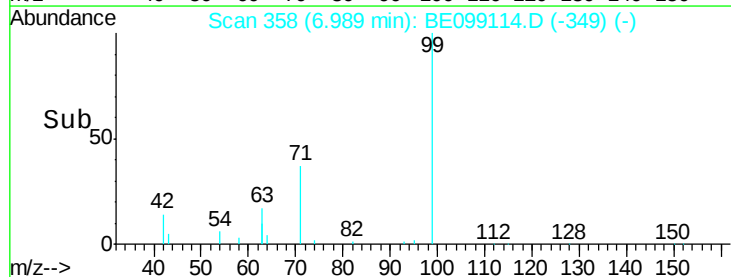
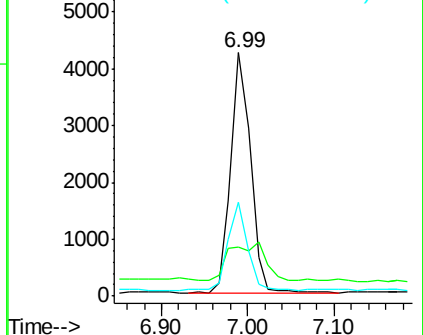
71 37.0 35.7 53.5

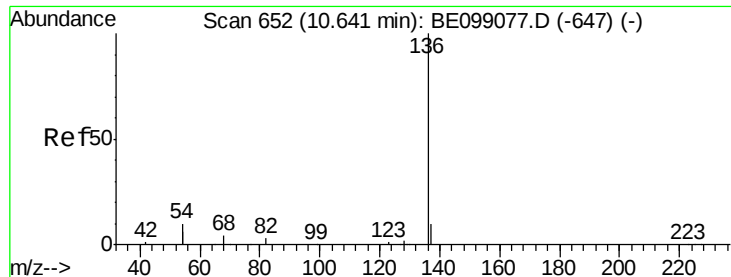


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

Tgt Ion:136 Resp: 13567

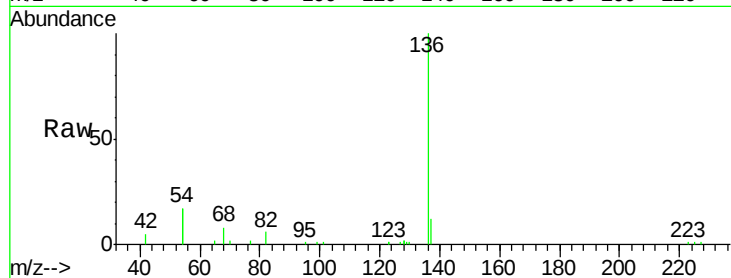
Ion Ratio Lower Upper

136 100

137 11.6 11.4 17.0

54 33.4 39.3 58.9#

68 8.3 6.7 10.1

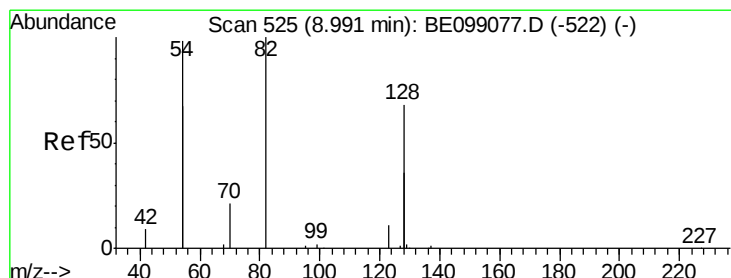
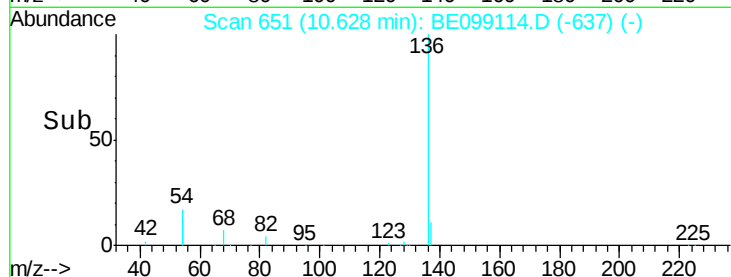
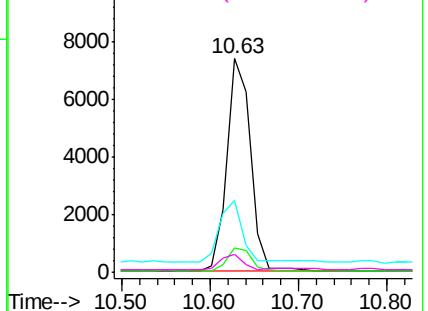


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.749 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

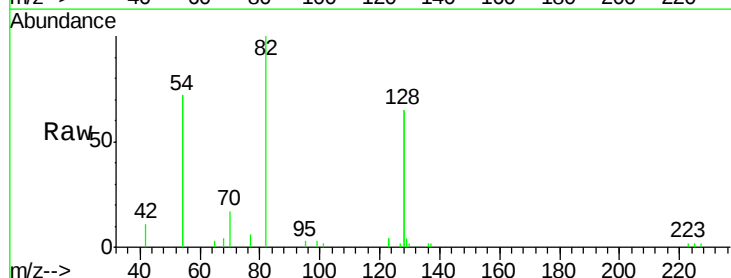
Tgt Ion: 82 Resp: 4442

Ion Ratio Lower Upper

82 100

128 129.7 123.8 185.8

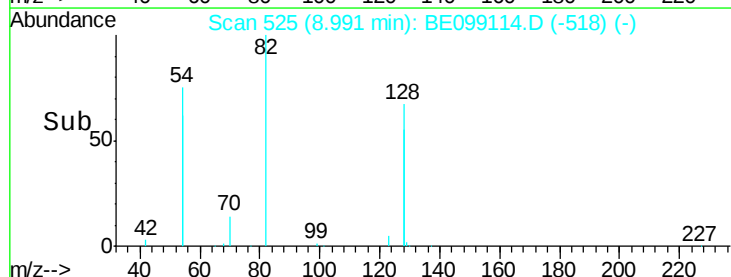
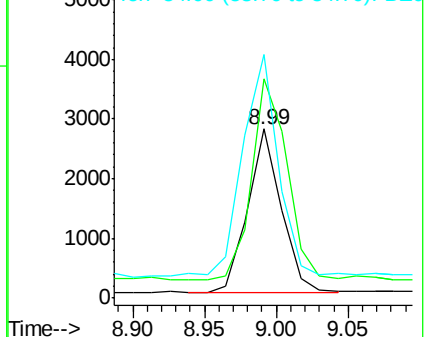
54 144.2 203.4 305.2#

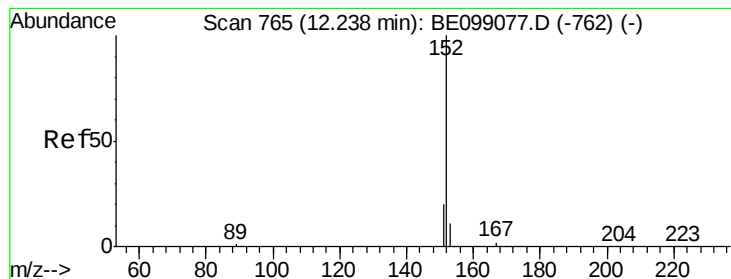


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.393 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

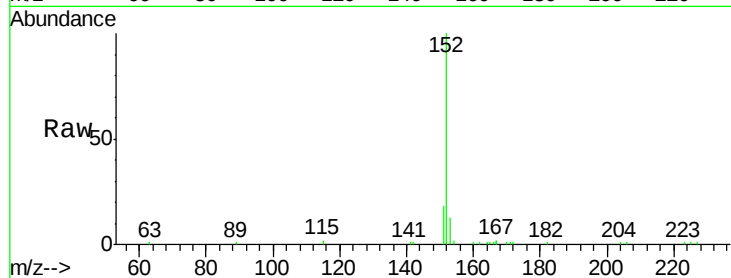
PST-026-SW041-031919

Tgt Ion:152 Resp: 9605

Ion Ratio Lower Upper

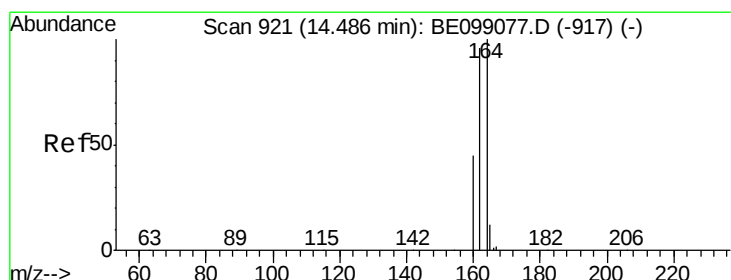
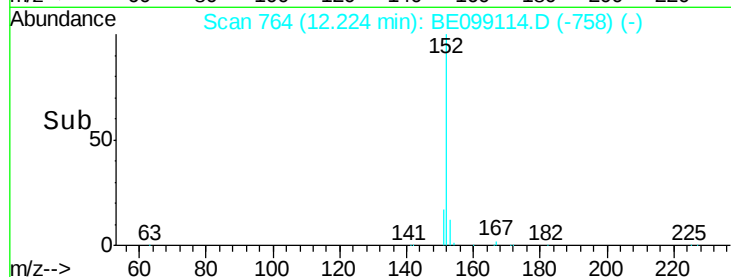
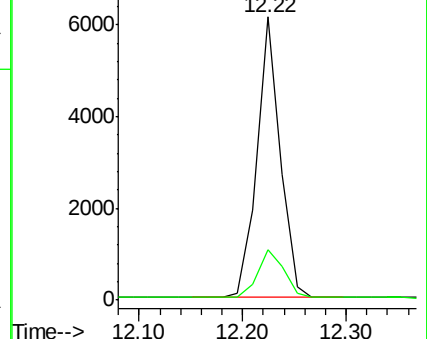
152 100

151 19.1 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: BE099114.D

Acq: 23 Mar 2019 16:24

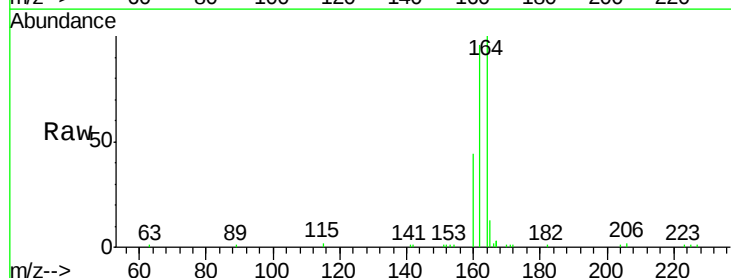
Tgt Ion:164 Resp: 8837

Ion Ratio Lower Upper

164 100

162 96.4 80.2 120.2

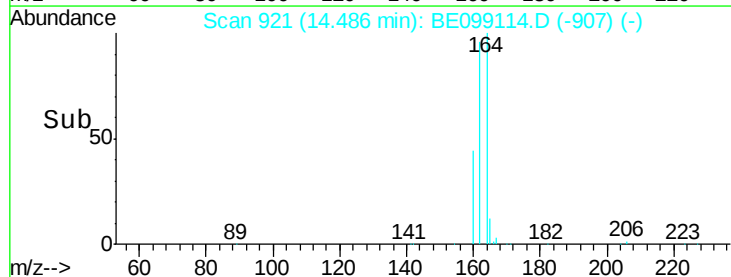
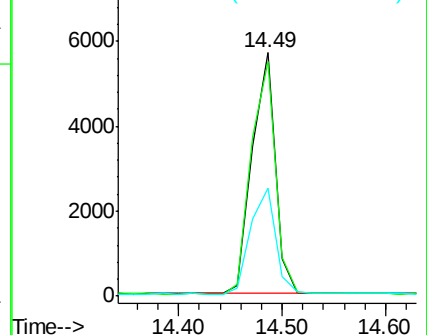
160 44.3 37.8 56.8

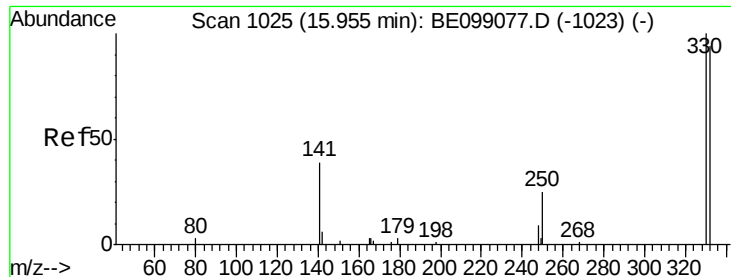


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

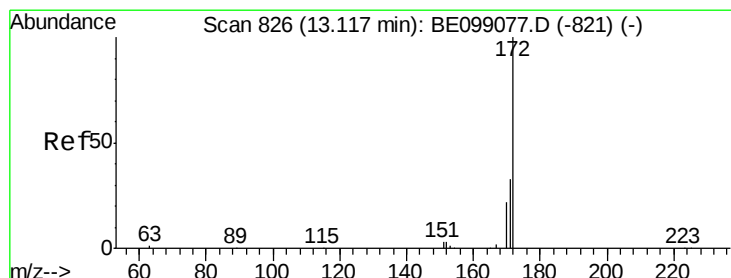
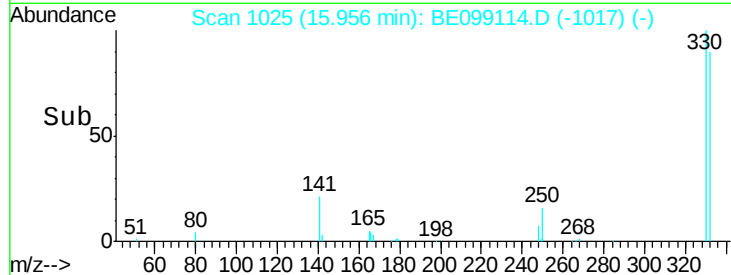
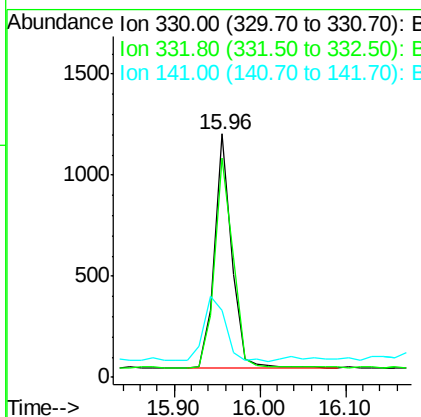
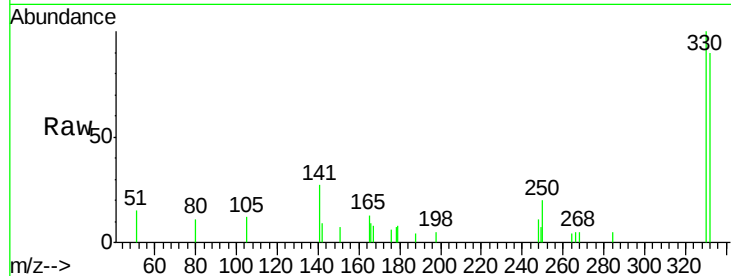




#14
 2,4,6-Tribromophenol
 Concen: 0.626 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099114.D
 Acq: 23 Mar 2019 16:24

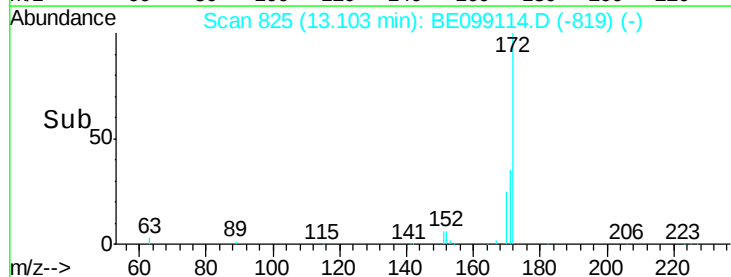
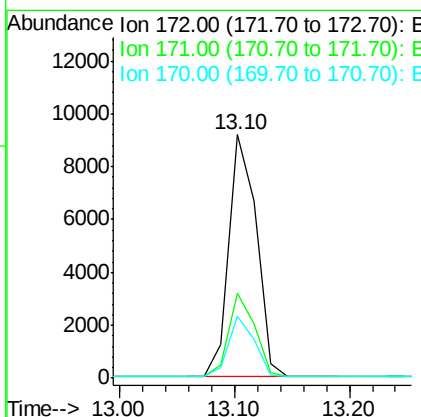
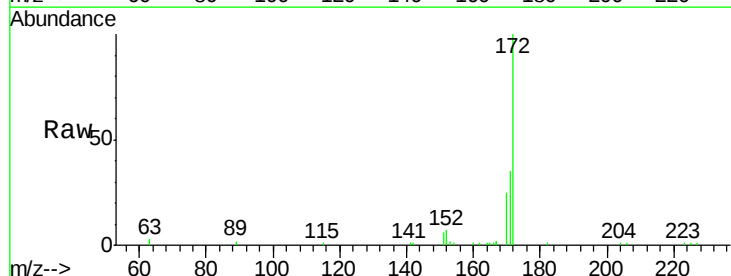
Instrument :
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 PST-026-SW041-031919

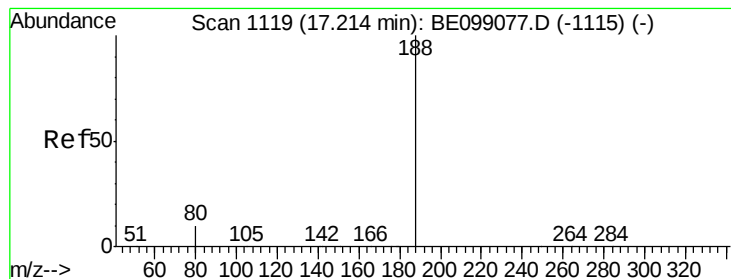
Tgt Ion: 330 Resp: 1626
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.6 116.4
 141 35.9 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.433 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BE099114.D
 Acq: 23 Mar 2019 16:24

Tgt Ion: 172 Resp: 15217
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.0 42.0
 170 25.4 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: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

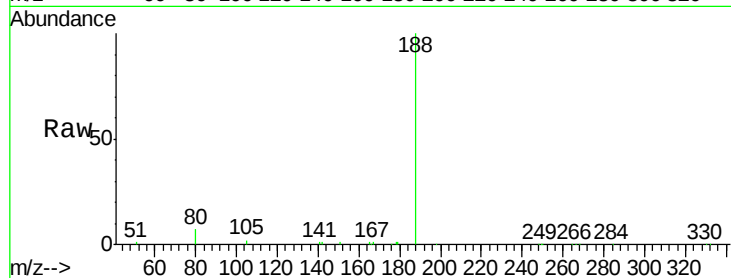
Tgt Ion:188 Resp: 25401

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

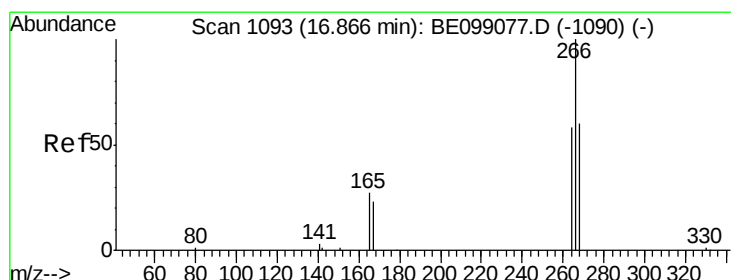
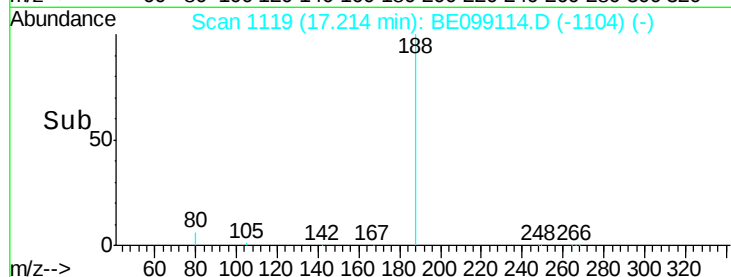
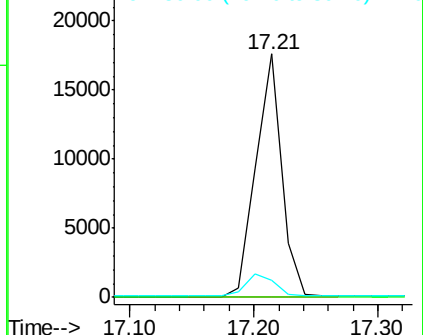
80 7.2 6.3 9.5



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: 0.258 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

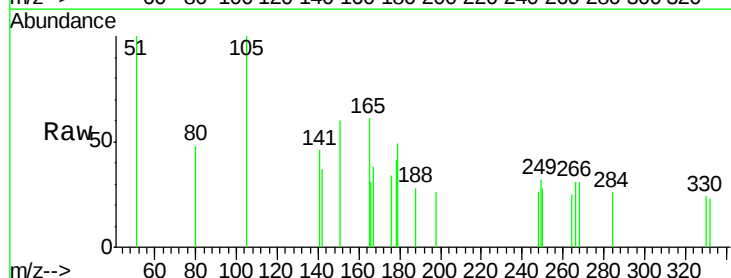
Tgt Ion:266 Resp: 34

Ion Ratio Lower Upper

266 100

264 80.9 66.6 100.0

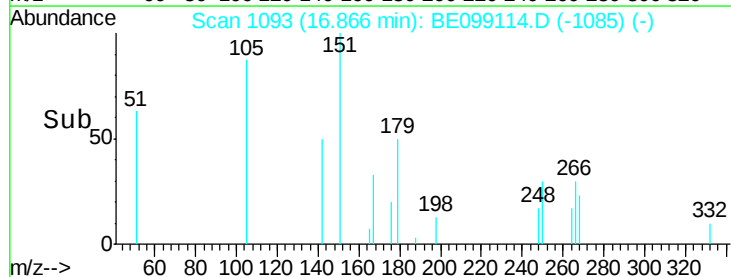
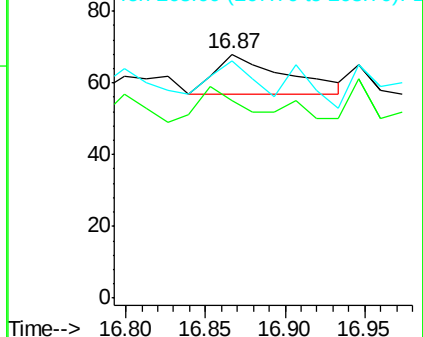
268 97.1 69.8 104.8

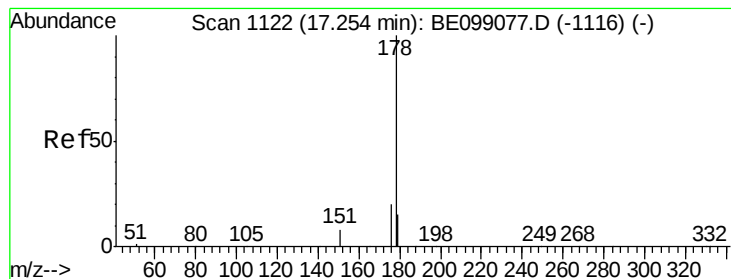


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.067 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

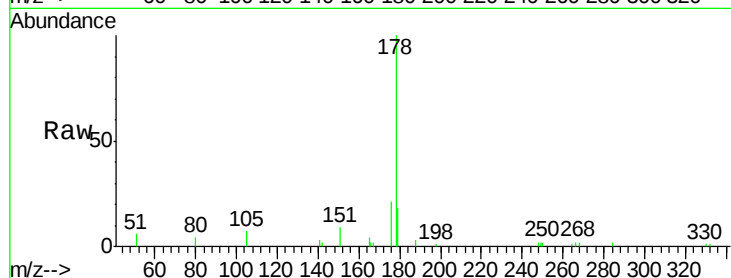
Tgt Ion:178 Resp: 5025

Ion Ratio Lower Upper

178 100

176 20.0 16.0 24.0

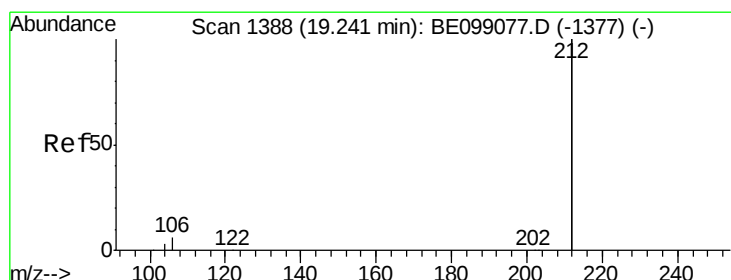
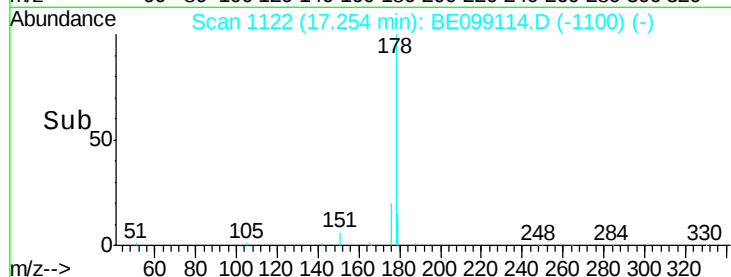
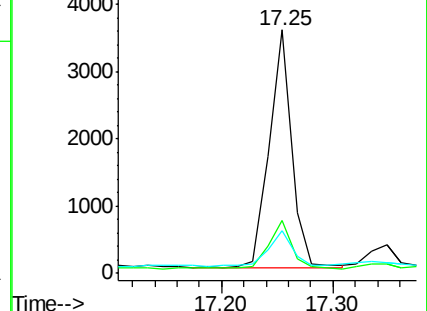
179 16.0 12.1 18.1



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: 0.436 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

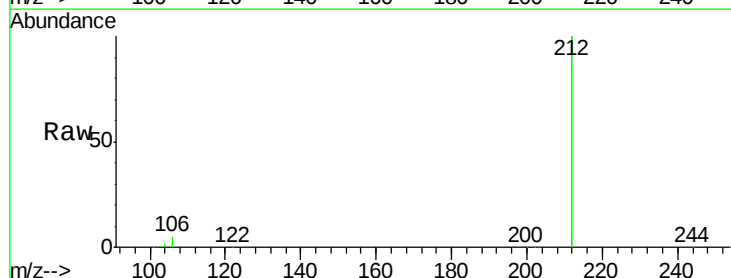
Tgt Ion:212 Resp: 147596

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

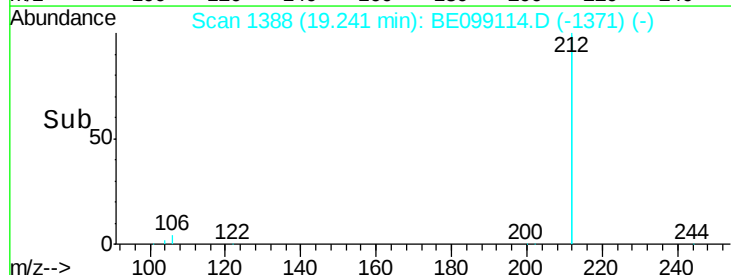
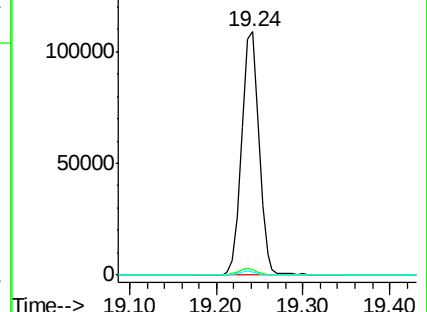
104 1.5 1.0 1.6

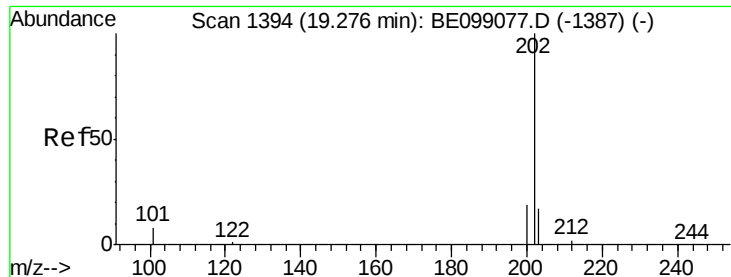


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

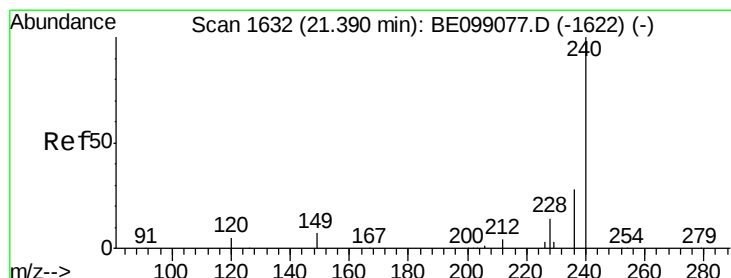
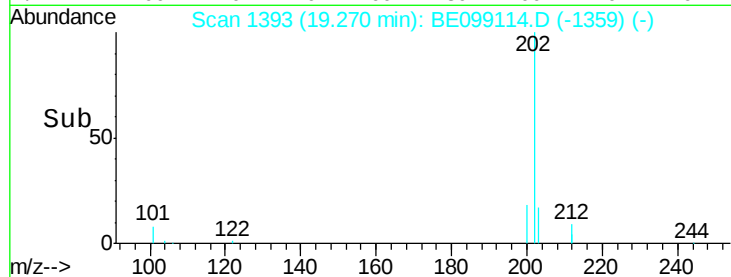
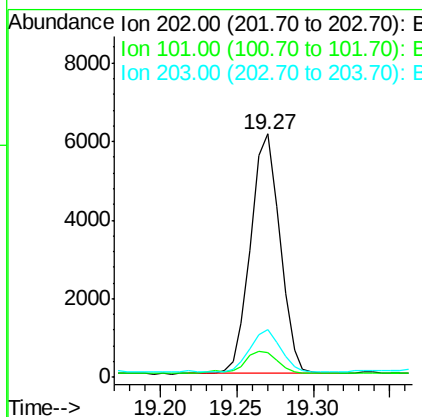
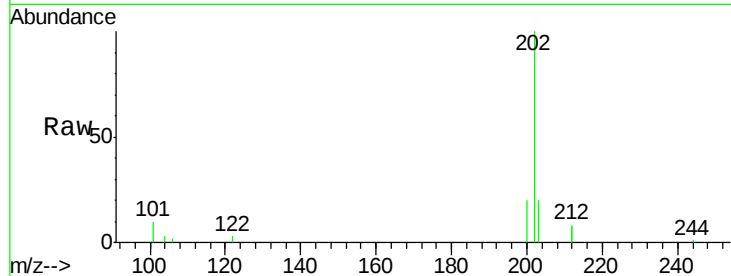




#26
Fluoranthene
Concen: 0.077 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

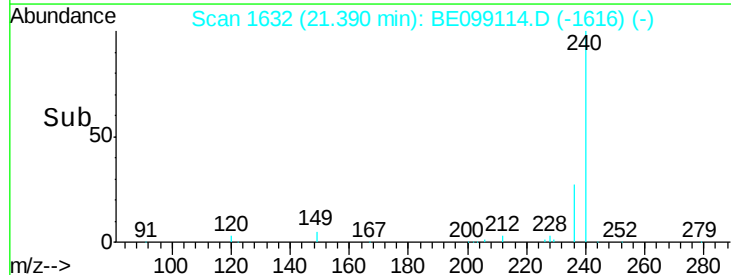
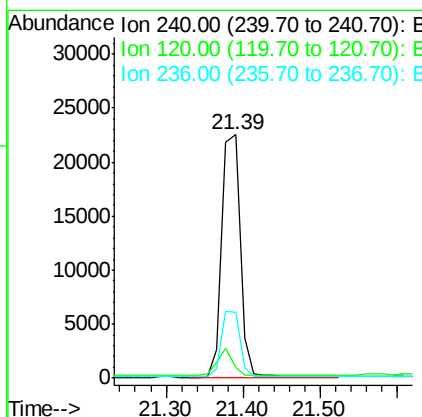
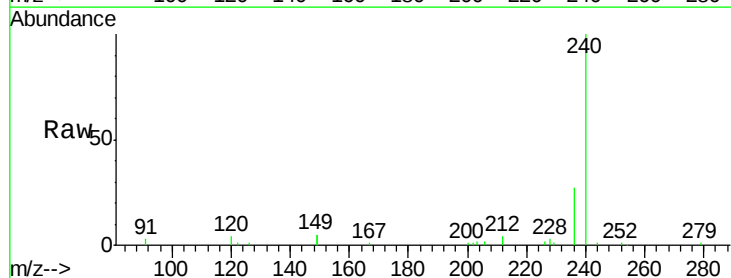
Instrument :
BNA_E
ClientSampleId :
PST-026-SW041-031919

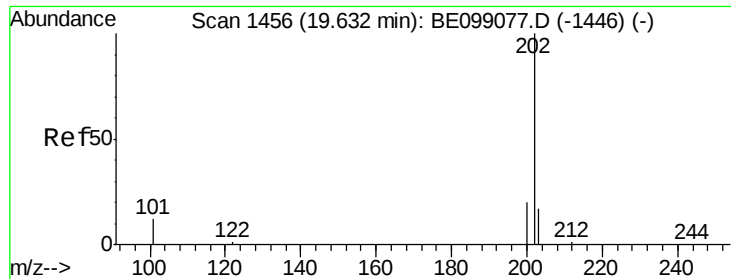
Tgt Ion: 202 Resp: 8130
Ion Ratio Lower Upper
202 100
101 10.8 7.3 10.9
203 18.2 13.4 20.2



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Tgt Ion: 240 Resp: 37359
Ion Ratio Lower Upper
240 100
120 4.2 5.0 7.4#
236 27.0 22.7 34.1

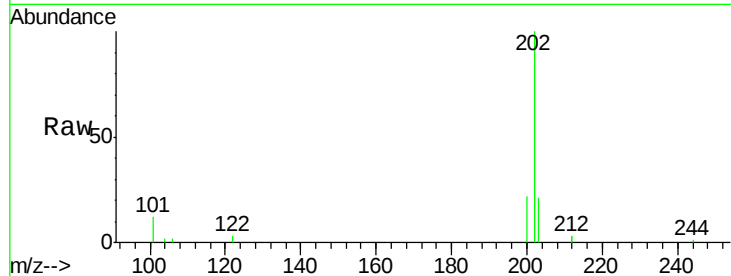




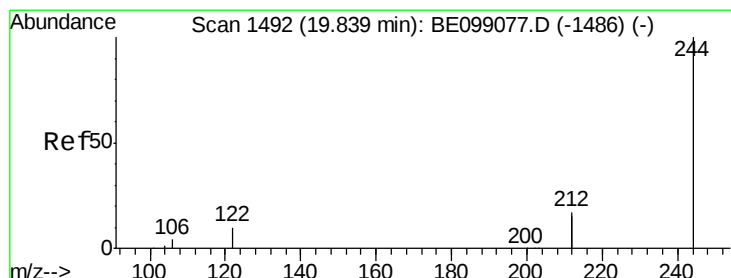
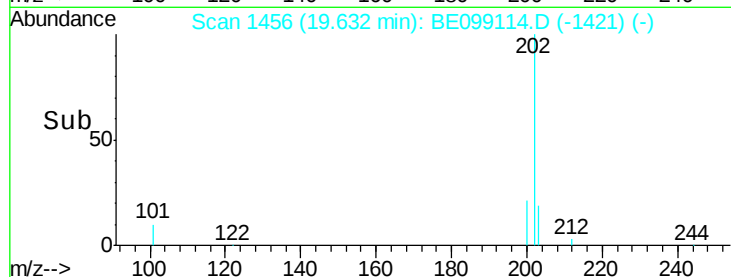
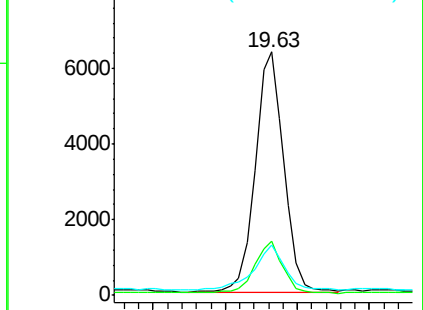
#28
Pyrene
Concen: 0.069 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Instrument :
BNA_E
ClientSampleId :
PST-026-SW041-031919

Tgt Ion: 202 Resp: 8741
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 21.3 14.2 21.2#

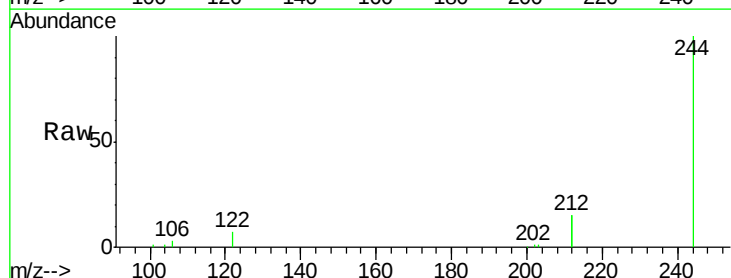


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

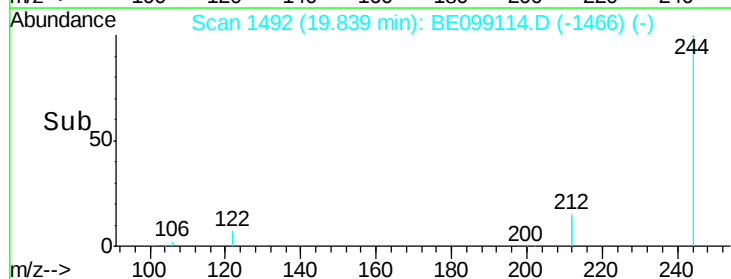
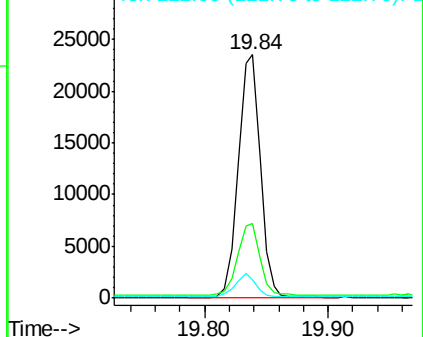


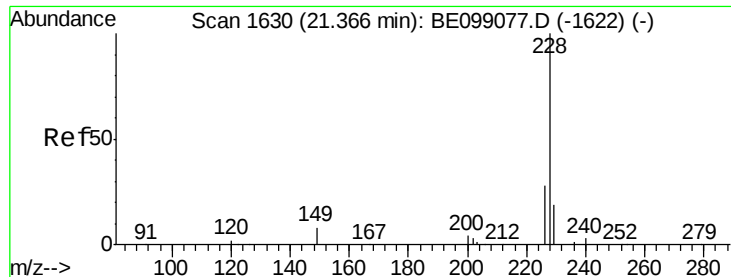
#29
Terphenyl-d14
Concen: 0.370 ng
RT: 19.84 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Tgt Ion: 244 Resp: 29234
Ion Ratio Lower Upper
244 100
212 30.7 29.4 44.2
122 7.3 7.1 10.7



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: 0.038 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

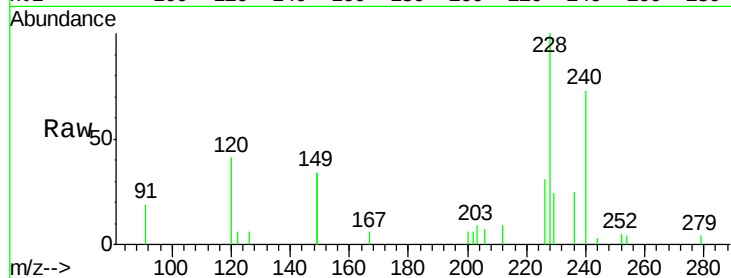
Tgt Ion:228 Resp: 5034

Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

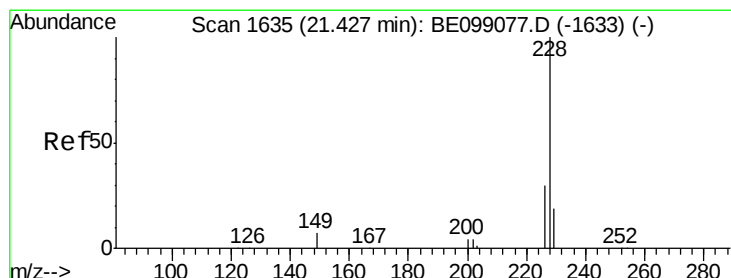
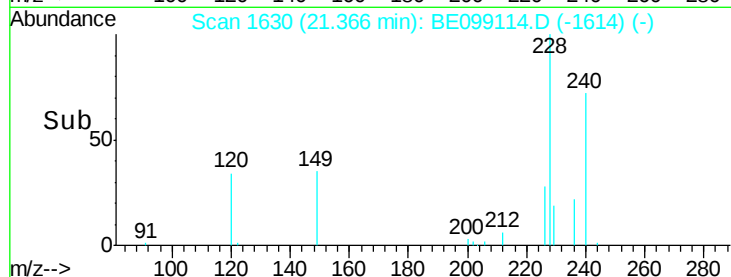
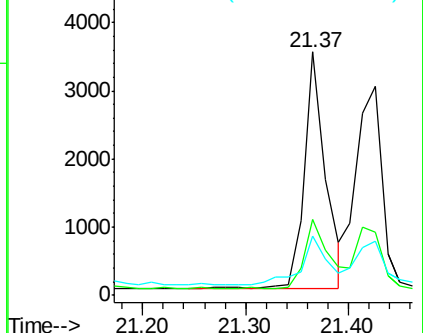
229 24.3 16.5 24.7



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: 0.039 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

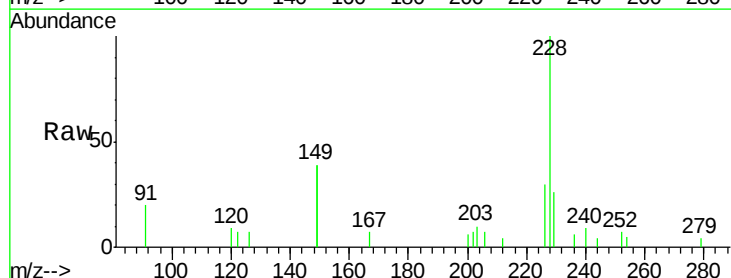
Tgt Ion:228 Resp: 5126

Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

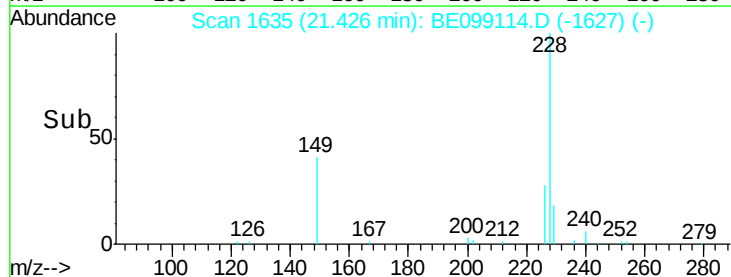
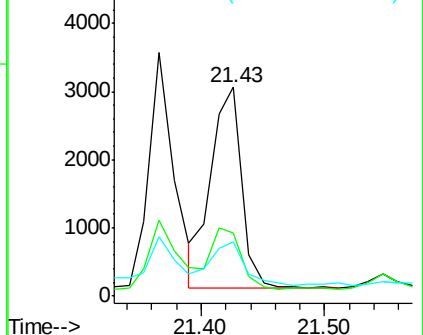
229 26.2 16.1 24.1#

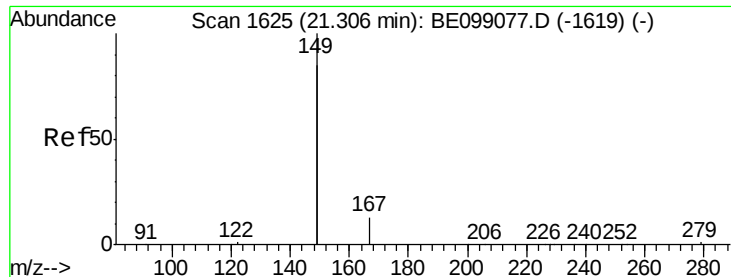


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.135 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

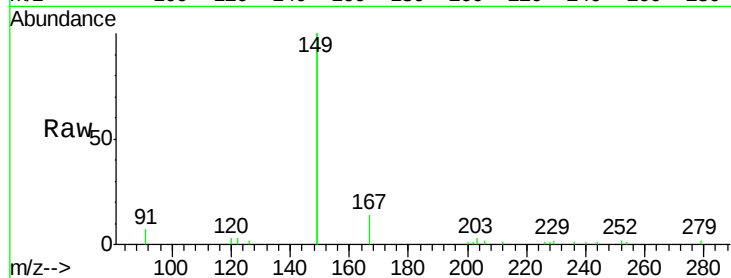
Tgt Ion:149 Resp: 23102

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

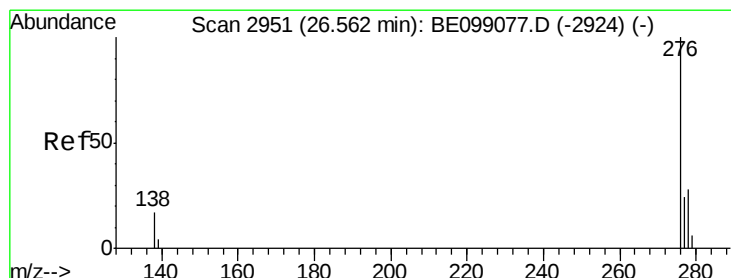
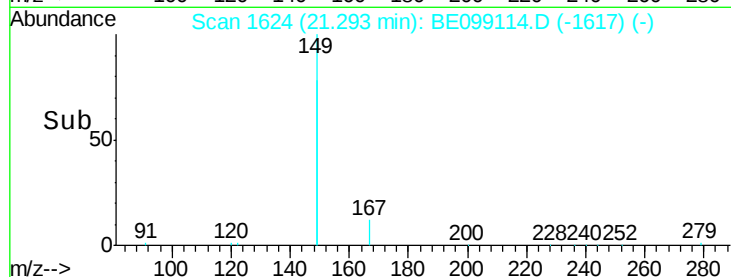
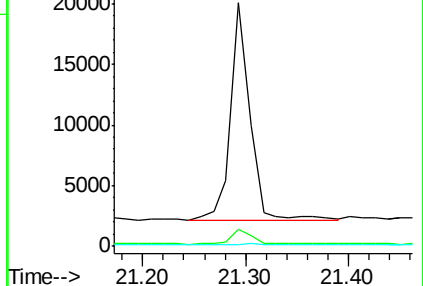
279 1.0 1.0 1.4



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.020 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

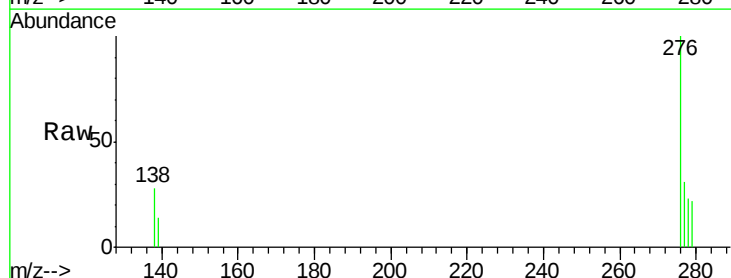
Tgt Ion:276 Resp: 2839

Ion Ratio Lower Upper

276 100

138 15.5 13.8 20.8

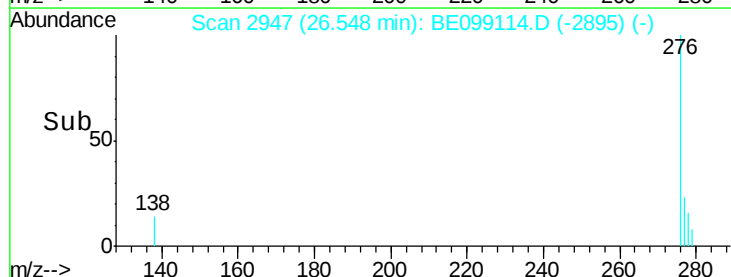
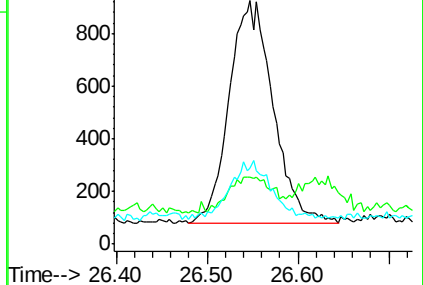
277 9.8 19.5 29.3#

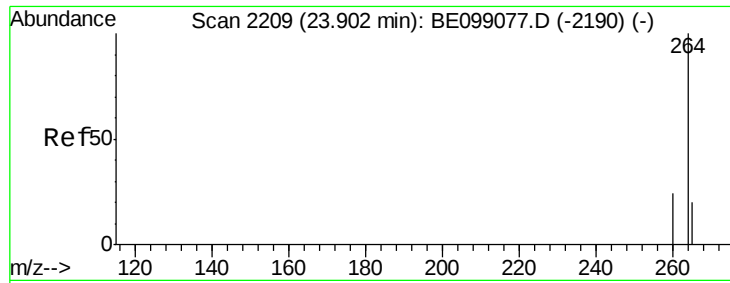


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

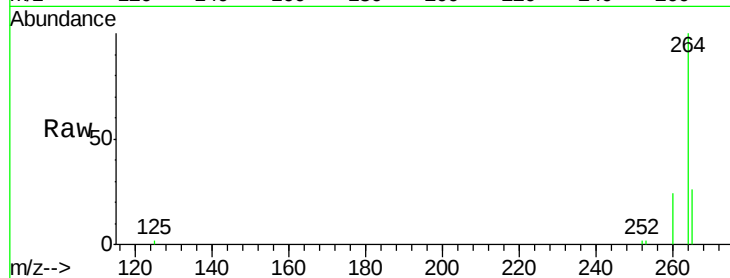
Tgt Ion:264 Resp: 40522

Ion Ratio Lower Upper

264 100

260 23.9 21.2 31.8

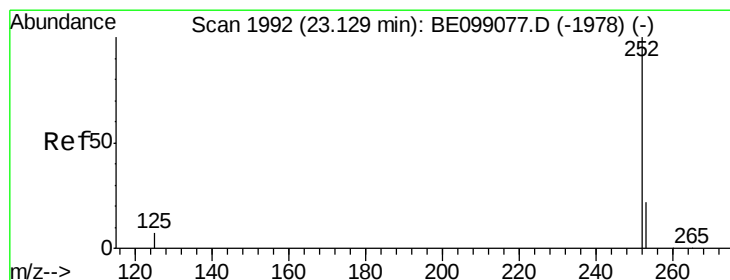
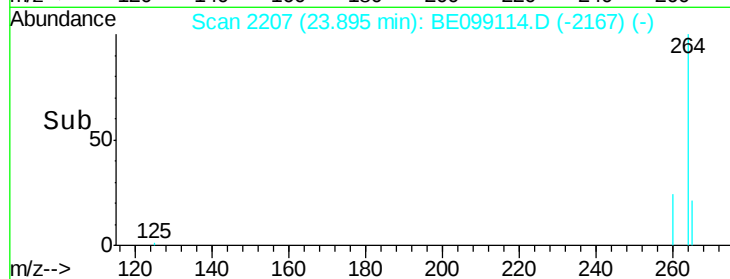
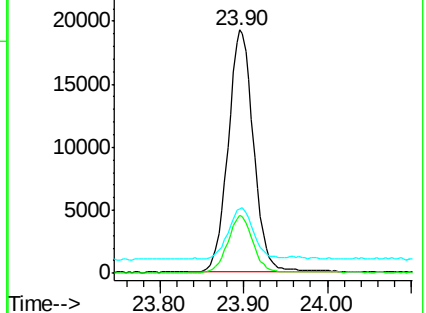
265 26.4 24.6 36.8



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: 0.046 ng

RT: 23.13 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

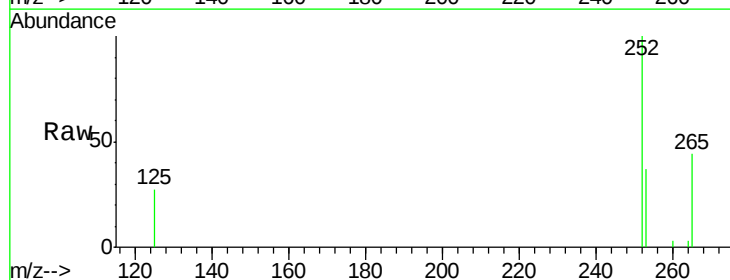
Tgt Ion:252 Resp: 6402

Ion Ratio Lower Upper

252 100

253 36.8 18.2 27.2#

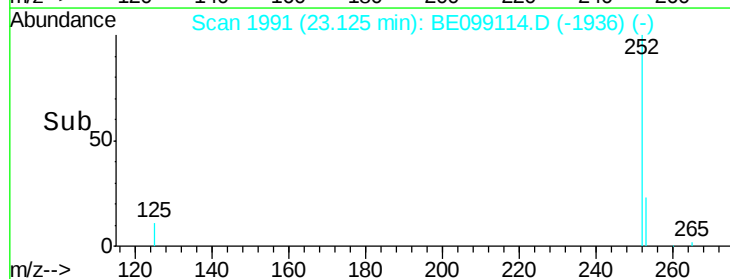
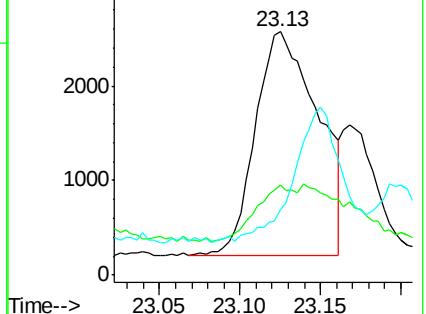
125 27.0 7.3 10.9#

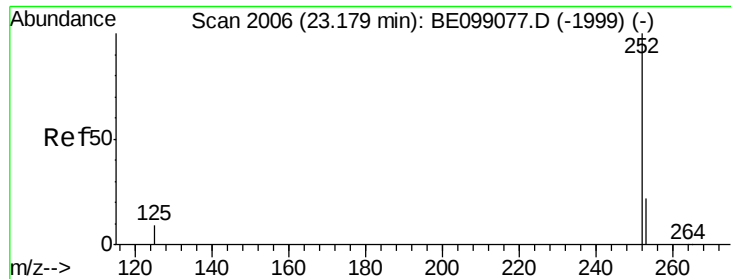


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 0.047 ng

RT: 23.13 min Scan# 1991

Delta R.T. -0.05 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

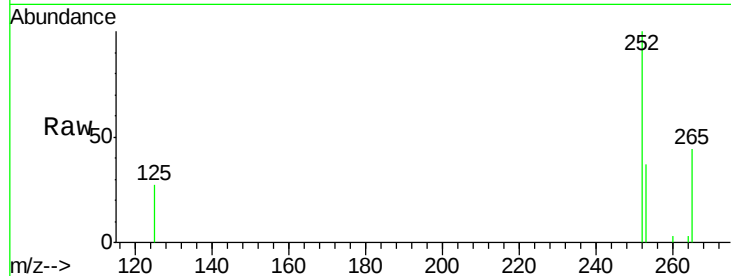
Tgt Ion:252 Resp: 6402

Ion Ratio Lower Upper

252 100

253 36.8 19.3 28.9#

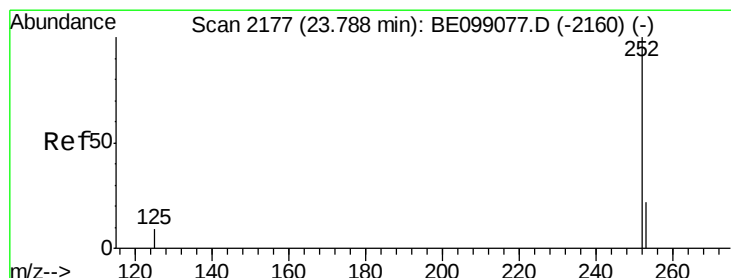
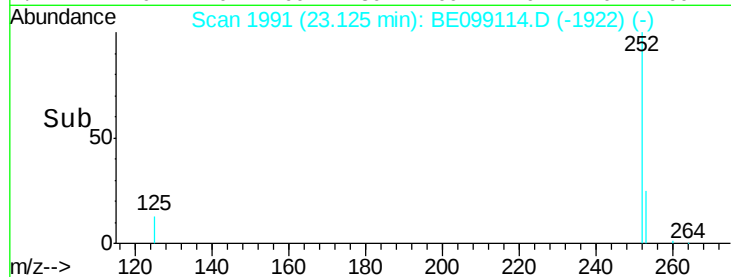
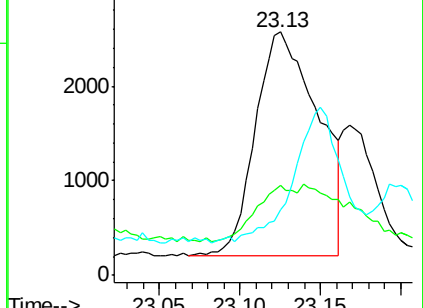
125 27.0 7.5 11.3#



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: 0.033 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

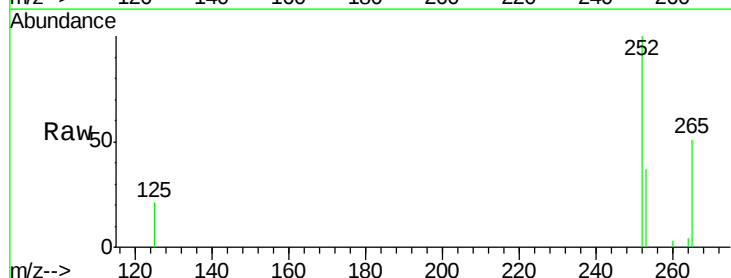
Tgt Ion:252 Resp: 4306

Ion Ratio Lower Upper

252 100

253 37.3 19.9 29.9#

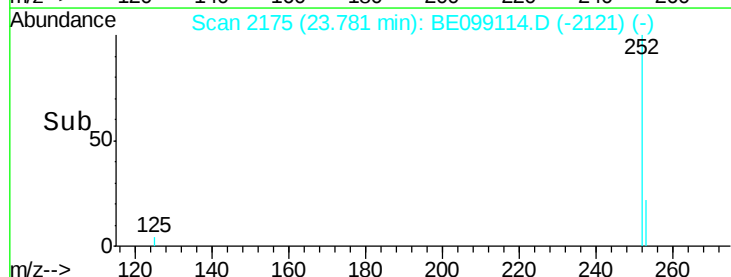
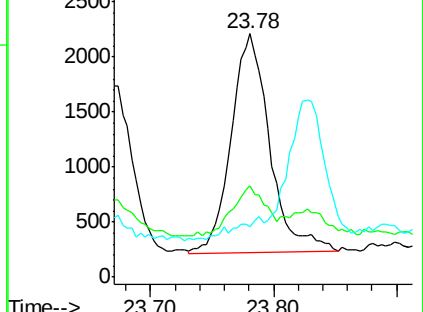
125 20.9 9.0 13.4#

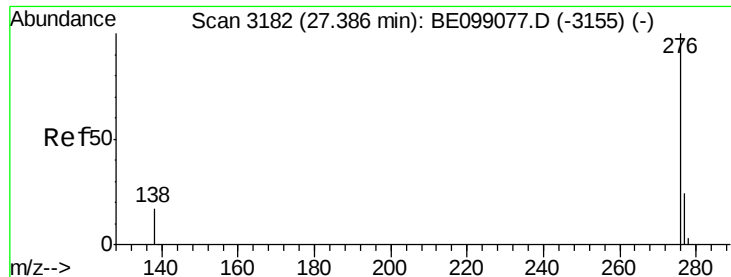


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.023 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.02 min

Lab File: BE099114.D

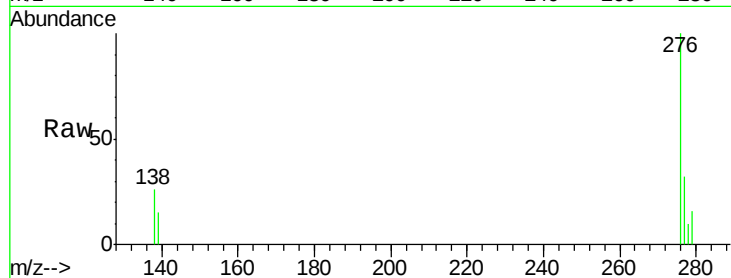
Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919



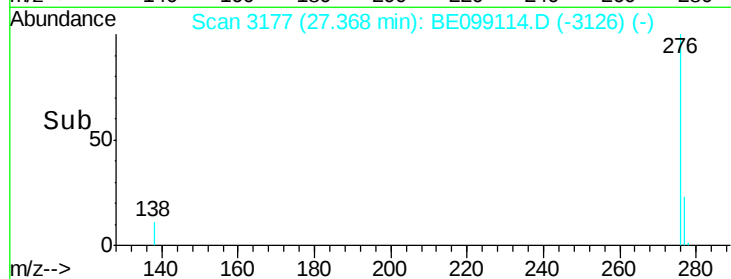
Tgt Ion: 276 Resp: 2974

Ion Ratio Lower Upper

276 100

277 32.3 20.4 30.6#

138 25.6 13.6 20.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

