

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099117.D
 Acq On : 23 Mar 2019 18:17
 Operator : JU/SJ
 Sample : K2014-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW042-031919

Quant Time: Mar 23 22:36:58 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	3599	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13782	0.40	ng	-0.01
13) Acenaphthene-d10	14.48	164	9049	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	26011	0.40	ng	0.00
27) Chrysene-d12	21.39	240	38259	0.40	ng	0.00
34) Perylene-d12	23.89	264	40671	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4751	0.44	ng	0.00
5) Phenol-d6	6.99	99	6705	0.43	ng	0.00
8) Nitrobenzene-d5	8.99	82	4505	0.75	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9838	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	1778	0.67	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14900	0.41	ng	-0.02
25) Fluoranthene-d10	19.24	212	146035	0.42	ng	0.00
29) Terphenyl-d14	19.84	244	28763	0.36	ng	0.00

Target Compounds

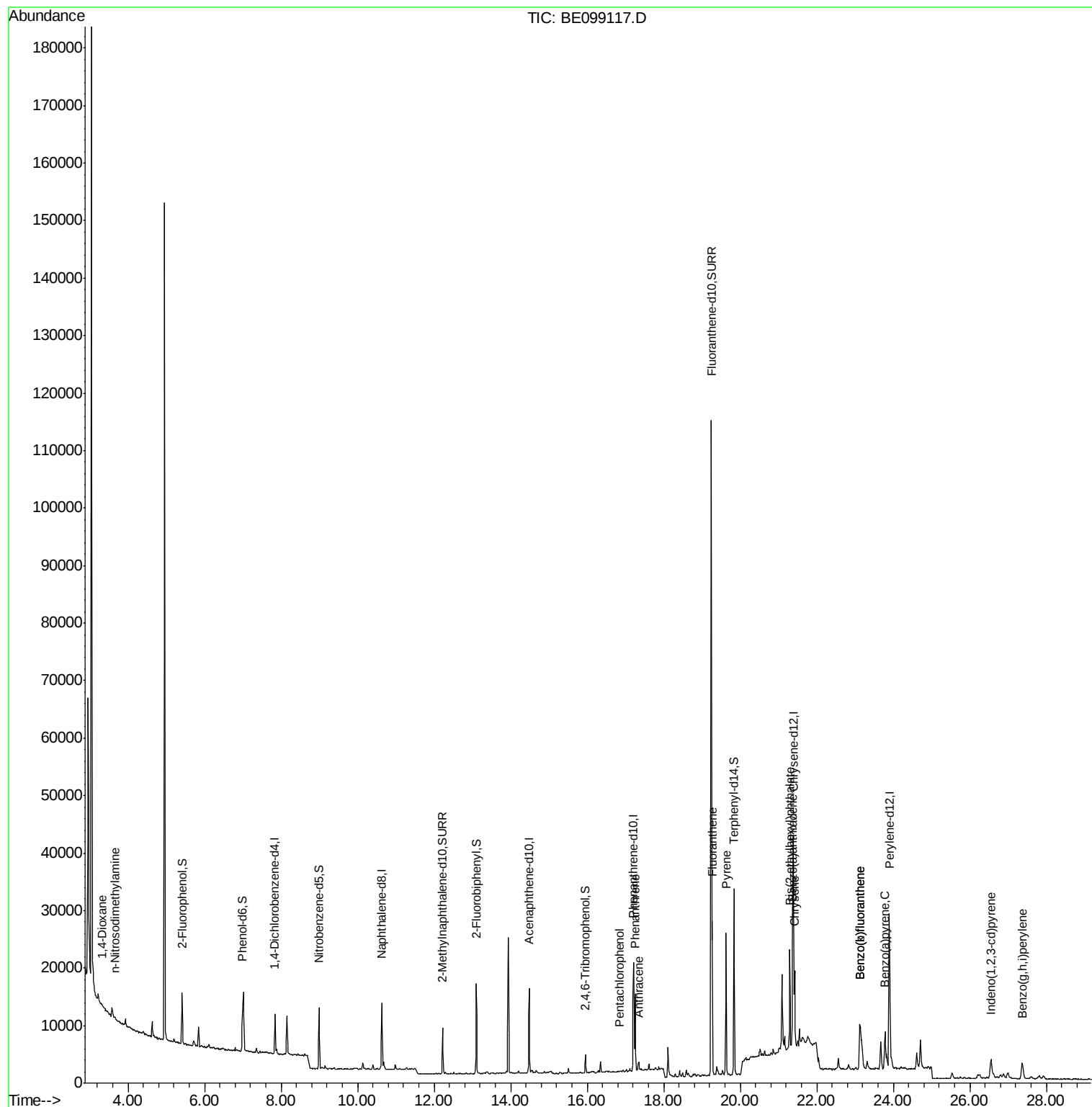
						Qvalue
2) 1,4-Dioxane	3.32	88	419	0.075	ng	# 26
3) n-Nitrosodimethylamine	3.67	42	174	0.060	ng	# 1
22) Pentachlorophenol	16.84	266	19	0.255	ng	90
23) Phenanthrene	17.26	178	14177	0.184	ng	99
24) Anthracene	17.35	178	1858	0.025	ng	# 94
26) Fluoranthene	19.27	202	22759	0.209	ng	97
28) Pyrene	19.63	202	22656	0.175	ng	96
30) Benzo(a)anthracene	21.37	228	12391	0.092	ng	97
31) Chrysene	21.43	228	13177	0.098	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	19732	0.113	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	6800	0.047	ng	# 95
35) Benzo(b)fluoranthene	23.12	252	15661	0.111	ng	# 89
36) Benzo(k)fluoranthene	23.12	252	15661	0.114	ng	# 92
37) Benzo(a)pyrene	23.78	252	11013	0.085	ng	# 93
39) Benzo(g,h,i)perylene	27.37	276	6916	0.053	ng	# 93

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

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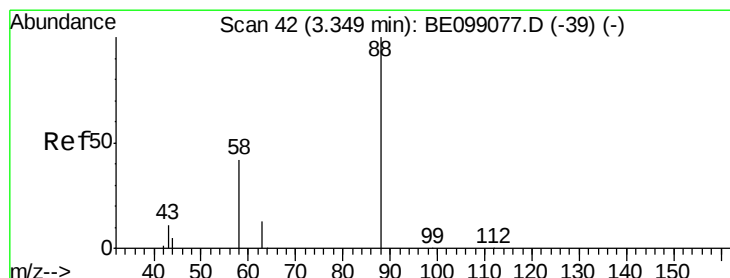
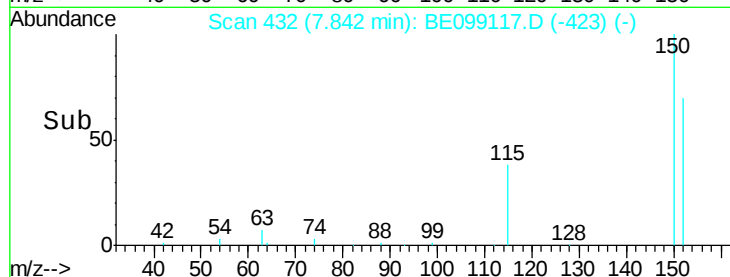
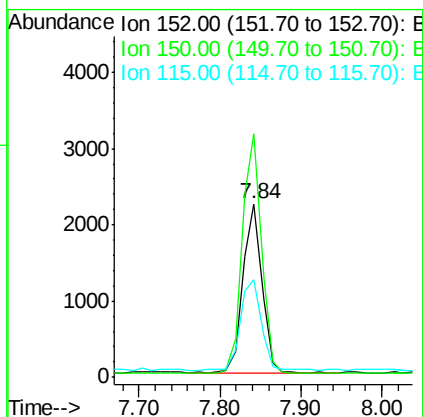
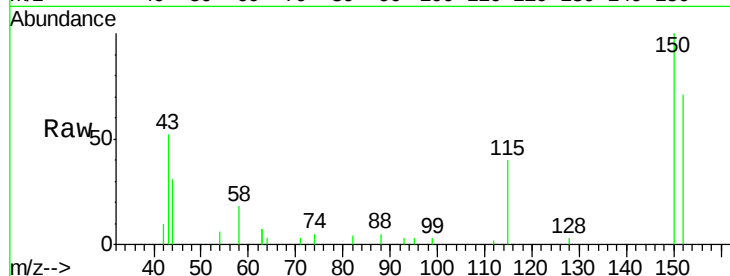


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Instrument :
BNA_E
ClientSampleId :
PST-026-SW042-031919

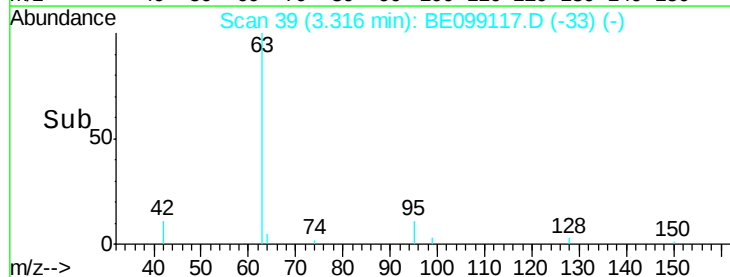
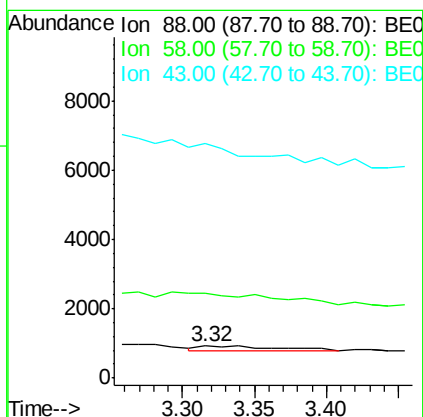
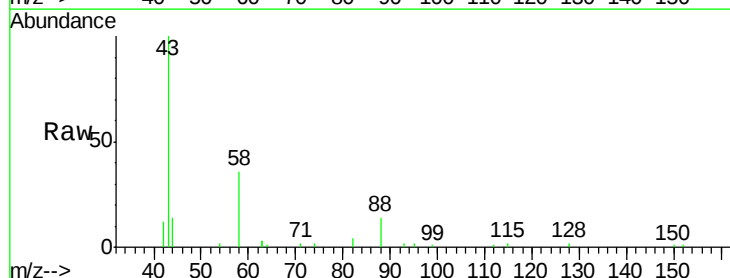
Tgt Ion:152 Resp: 3599
Ion Ratio Lower Upper
152 100
150 140.6 122.5 183.7
115 56.6 57.4 86.2#



#2

1,4-Dioxane
Concen: 0.075 ng
RT: 3.32 min Scan# 39
Delta R.T. -0.03 min
Lab File: BE099117.D
Acq: 23 Mar 2019 18:17

Tgt Ion: 88 Resp: 419
Ion Ratio Lower Upper
88 100
58 0.0 52.0 78.0#
43 0.0 24.0 36.0#





#3

n-Nitrosodimethylamine

Concen: 0.060 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.01 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

ClientSampleId :

PST-026-SW042-031919

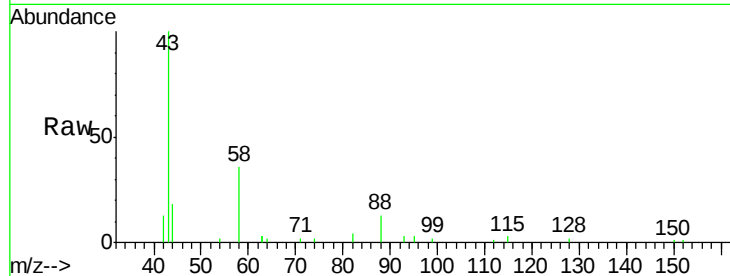
Tgt Ion: 42 Resp: 174

Ion Ratio Lower Upper

42 100

74 0.0 160.0 240.0#

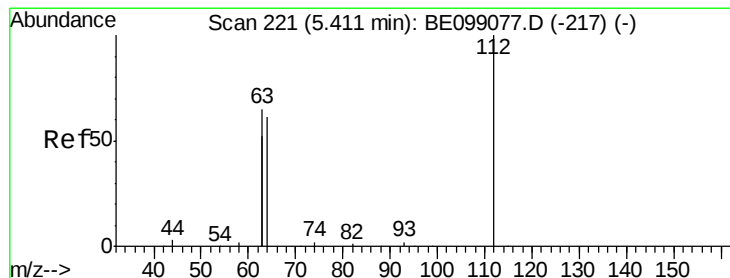
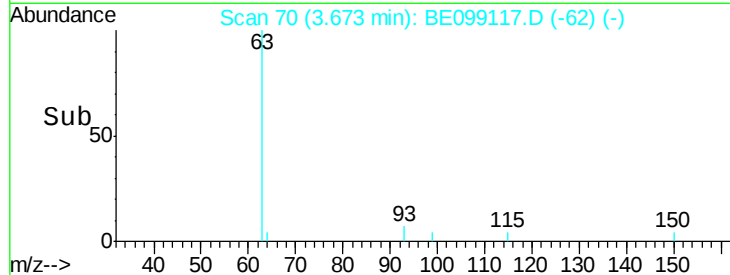
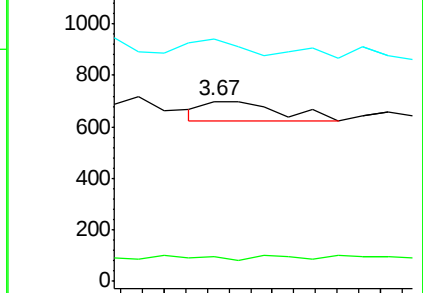
44 43.1 0.0 0.0#



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: 0.443 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

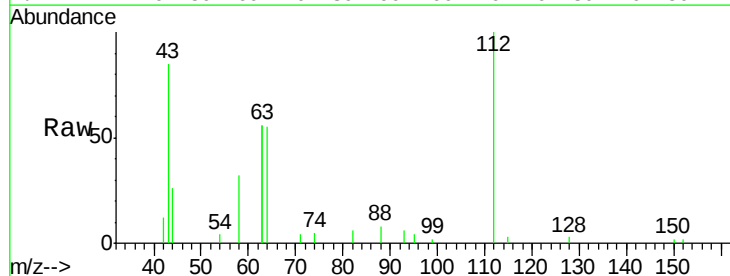
Tgt Ion: 112 Resp: 4751

Ion Ratio Lower Upper

112 100

64 55.8 57.9 86.9#

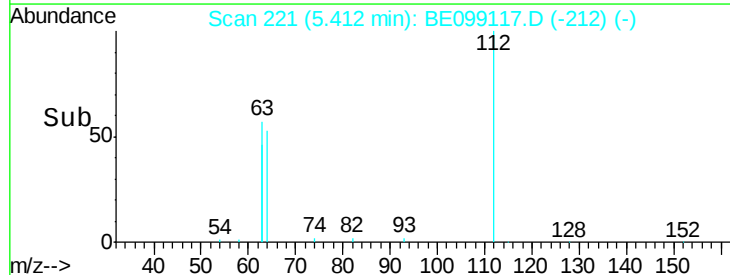
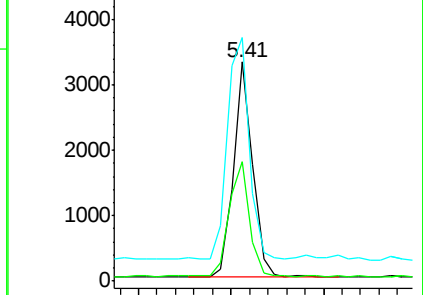
63 117.2 158.3 237.5#

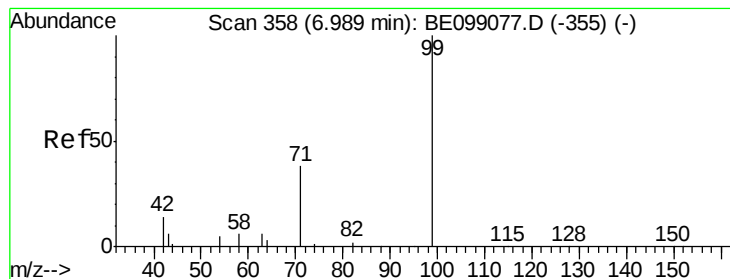


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.435 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

ClientSampleId :

PST-026-SW042-031919

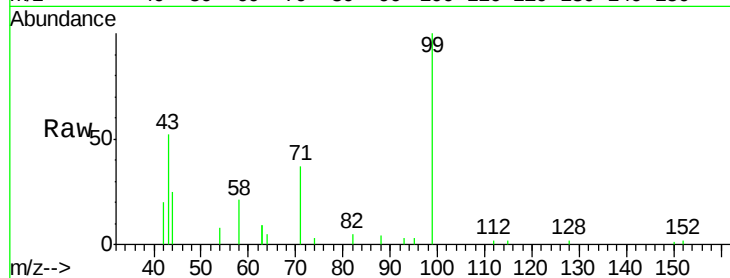
Tgt Ion: 99 Resp: 6705

Ion Ratio Lower Upper

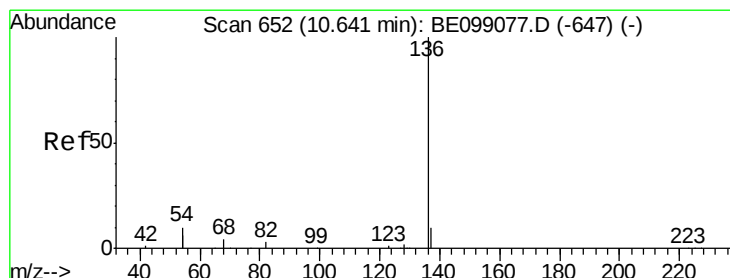
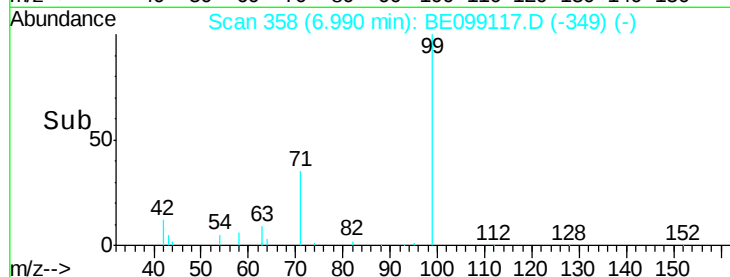
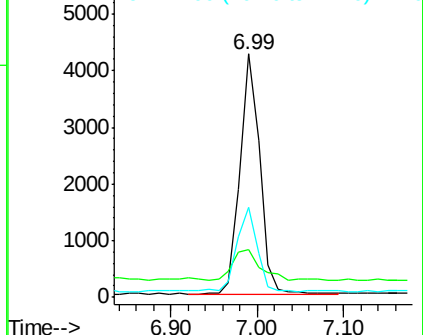
99 100

42 17.7 24.2 36.2#

71 35.7 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: BE099117.D

Acq: 23 Mar 2019 18:17

Tgt Ion: 136 Resp: 13782

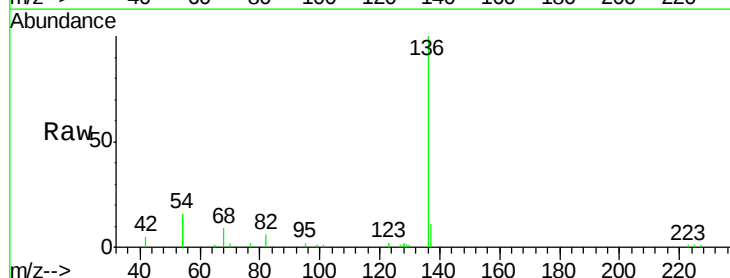
Ion Ratio Lower Upper

136 100

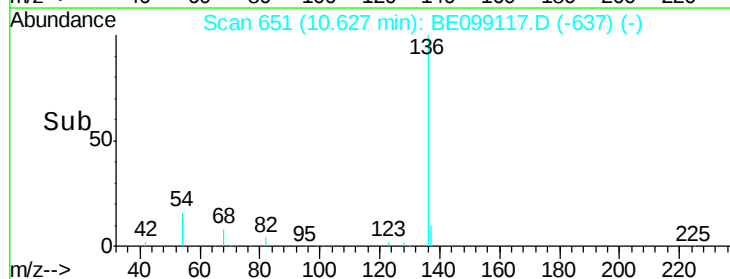
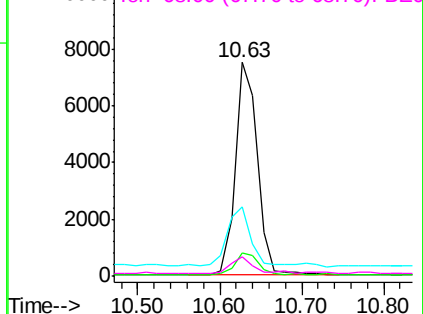
137 10.6 11.4 17.0#

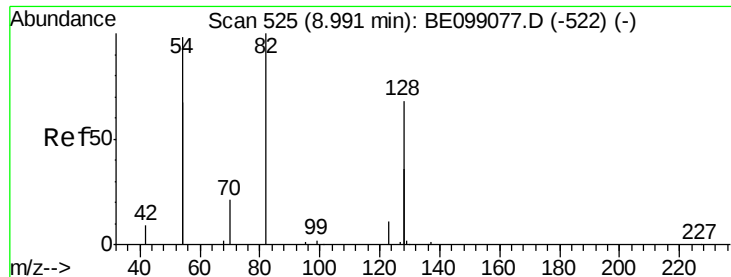
54 32.5 39.3 58.9#

68 9.2 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: 0.748 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

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ClientSampleId :

PST-026-SW042-031919

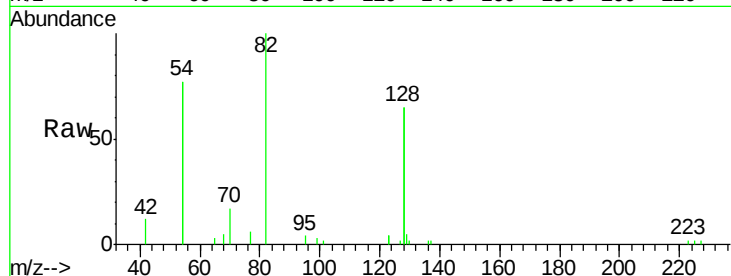
Tgt Ion: 82 Resp: 4505

Ion Ratio Lower Upper

82 100

128 130.0 123.8 185.8

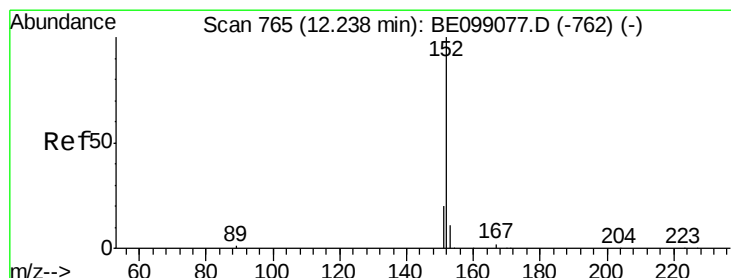
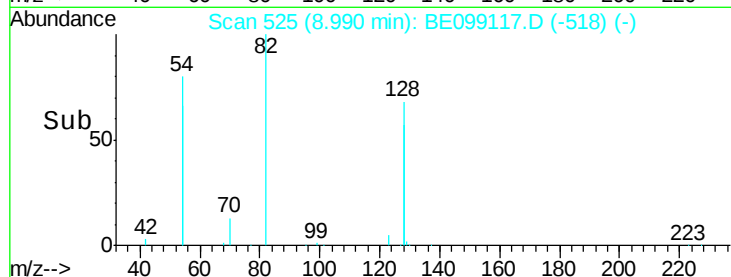
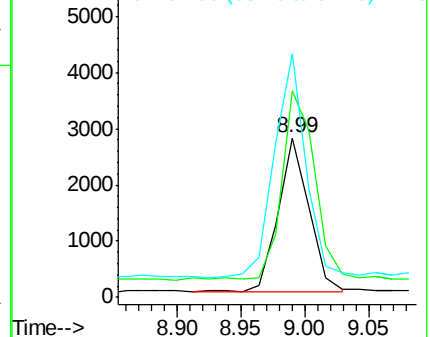
54 153.0 203.4 305.2#



Abundance Ion 82.00 (81.70 to 82.70): BE099117.D (-518) (-)

Ion 128.00 (127.70 to 128.70): BE099117.D (-518) (-)

Ion 54.00 (53.70 to 54.70): BE099117.D (-518) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.396 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.02 min

Lab File: BE099117.D

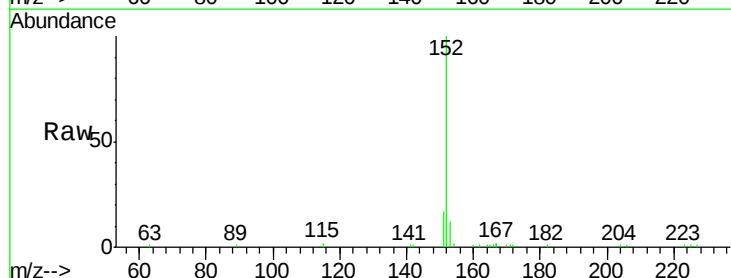
Acq: 23 Mar 2019 18:17

Tgt Ion: 152 Resp: 9838

Ion Ratio Lower Upper

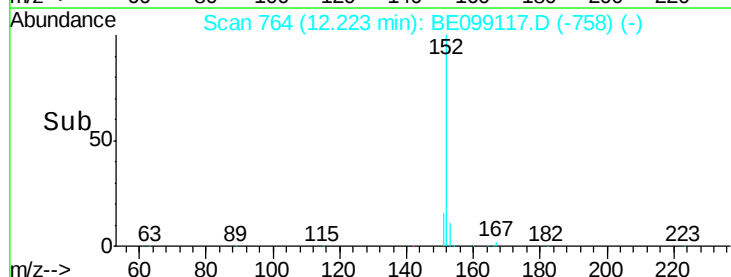
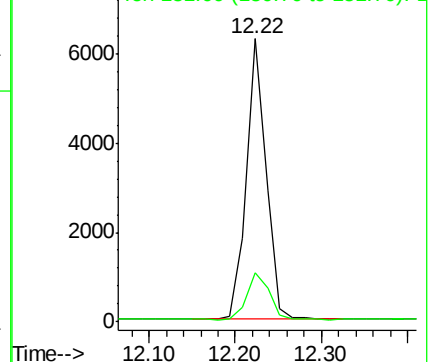
152 100

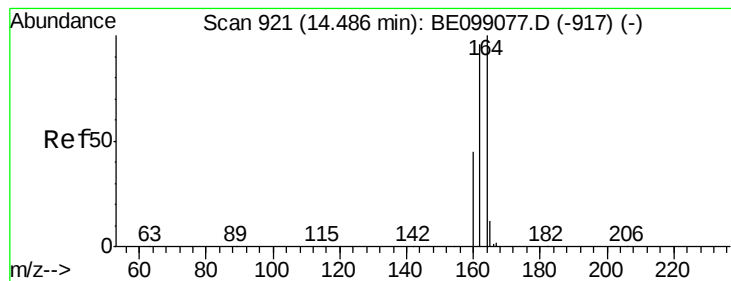
151 19.2 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): BE099117.D (-758) (-)

Ion 151.00 (150.70 to 151.70): BE099117.D (-758) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

ClientSampleId :

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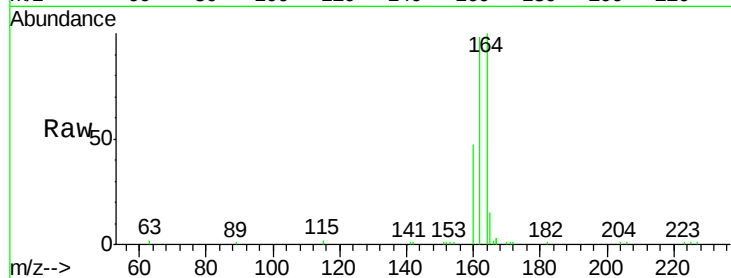
Tgt Ion:164 Resp: 9049

Ion Ratio Lower Upper

164 100

162 98.0 80.2 120.2

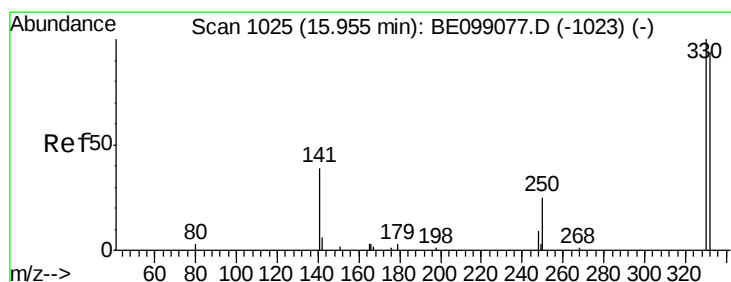
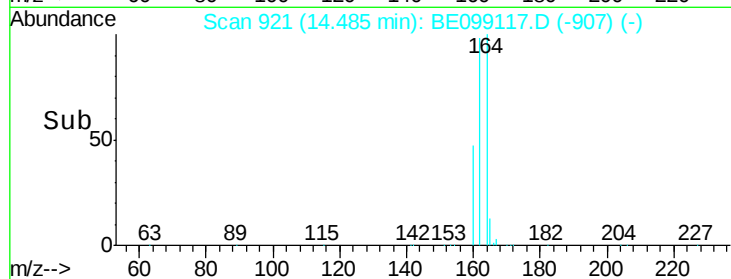
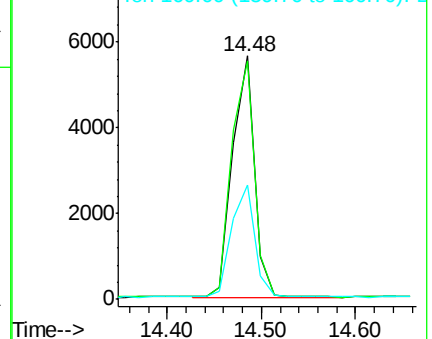
160 47.2 37.8 56.8



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: 0.668 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

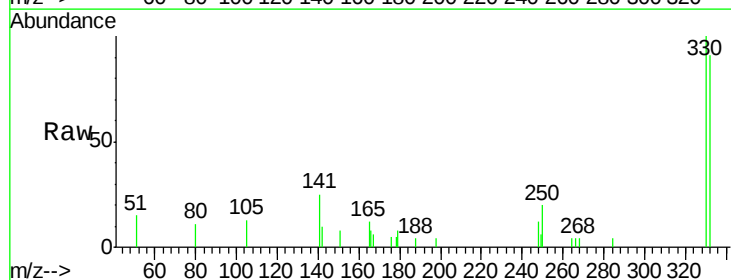
Tgt Ion:330 Resp: 1778

Ion Ratio Lower Upper

330 100

332 92.1 77.6 116.4

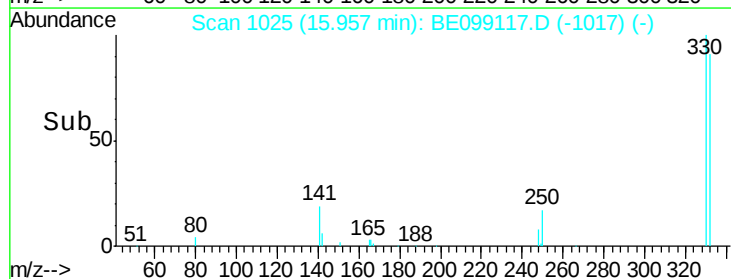
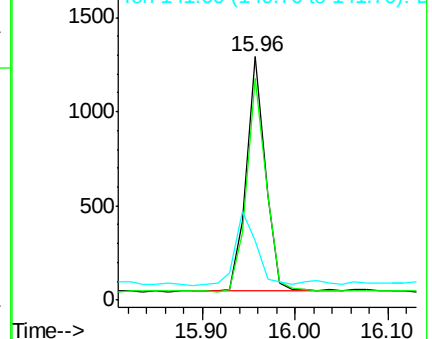
141 34.8 31.0 46.4

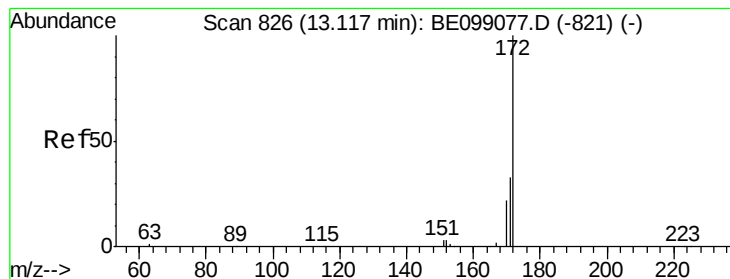


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.414 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.02 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

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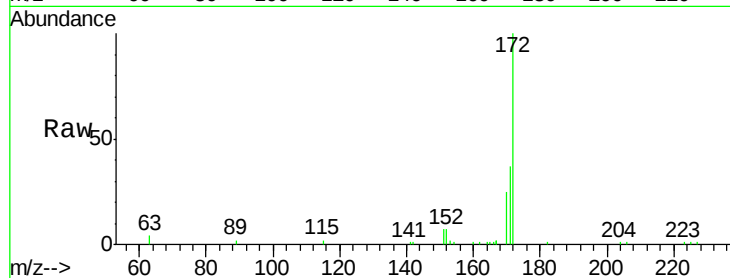
Tgt Ion:172 Resp: 14900

Ion Ratio Lower Upper

172 100

171 36.9 28.0 42.0

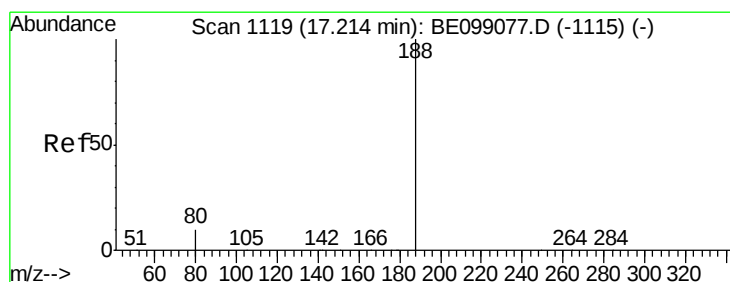
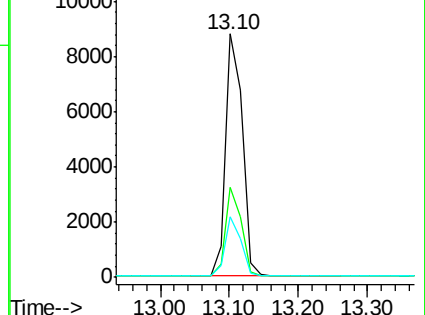
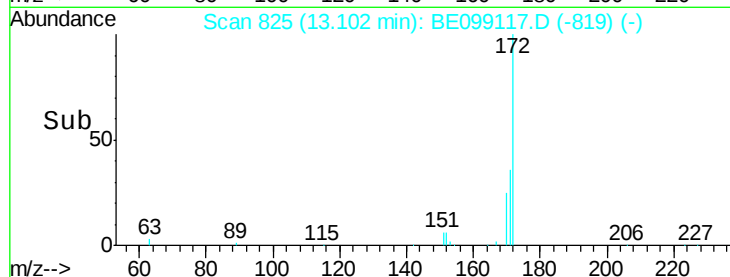
170 25.1 17.7 26.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

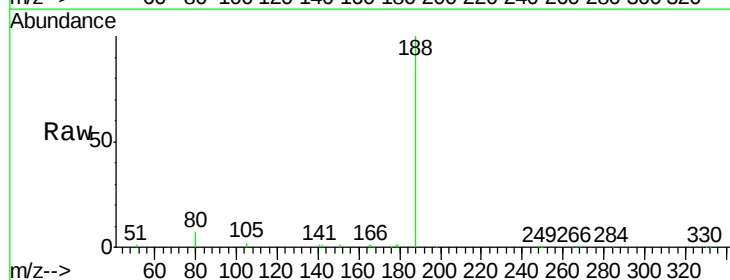
Tgt Ion:188 Resp: 26011

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

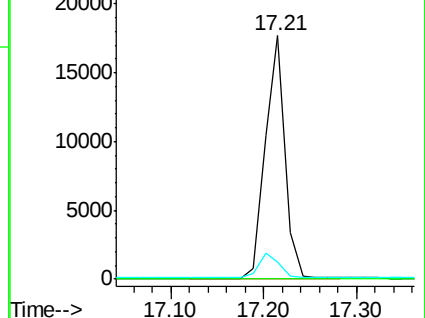
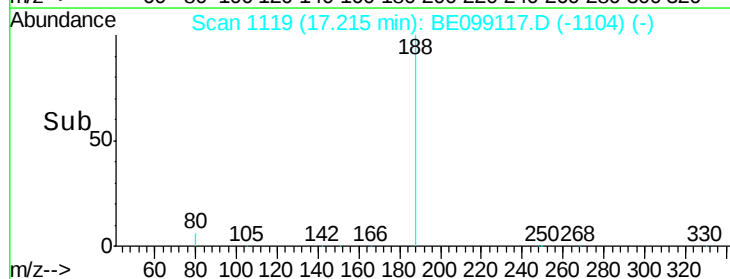
80 6.9 6.3 9.5

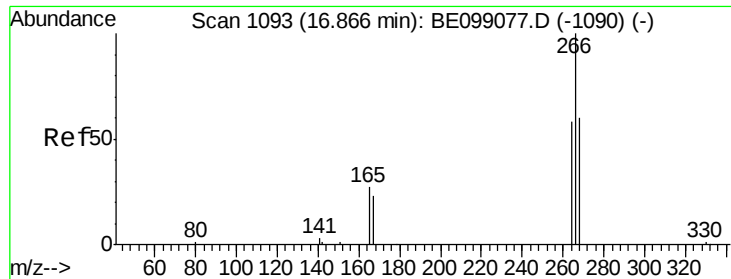


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.255 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.03 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

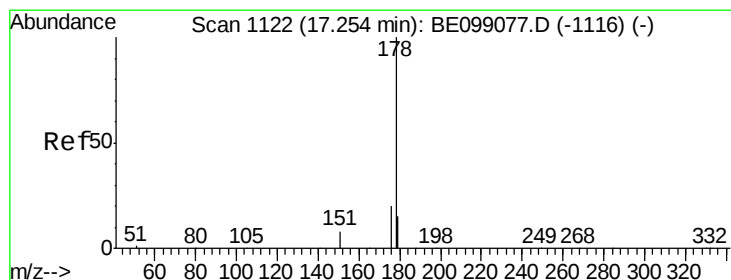
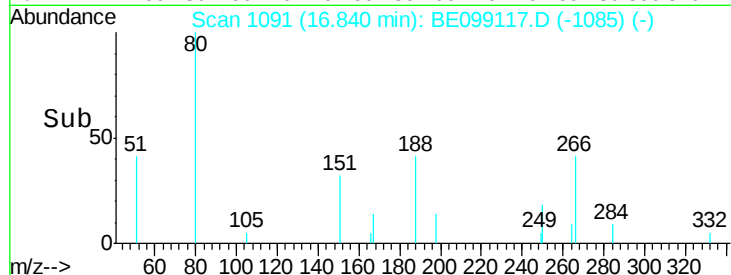
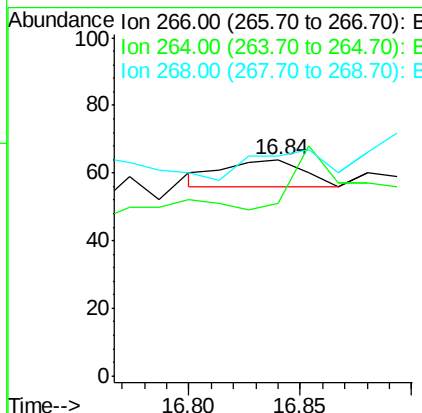
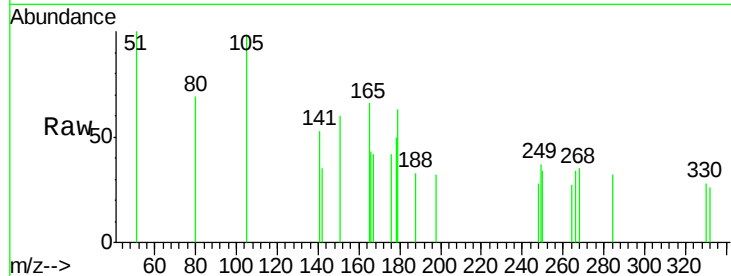
Instrument :

BNA_E

ClientSampleId :

PST-026-SW042-031919

Tgt Ion:	266	Resp:	19
Ion	Ratio	Lower	Upper
266	100		
264	79.7	66.6	100.0
268	101.6	69.8	104.8



#23

Phenanthrene

Concen: 0.184 ng

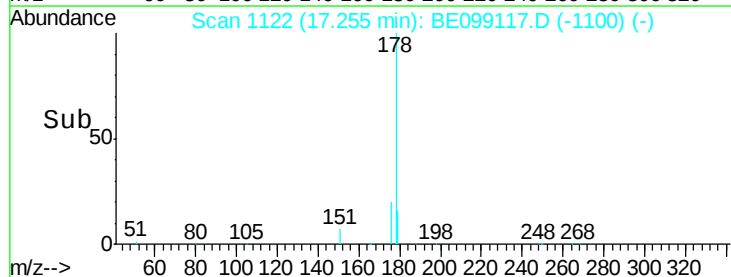
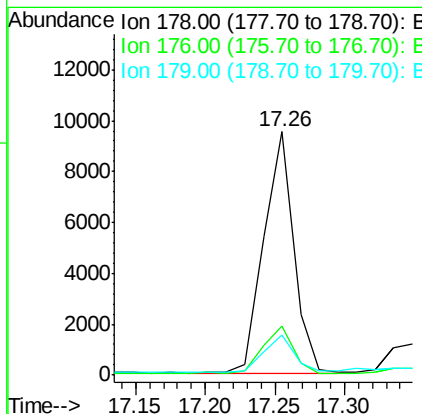
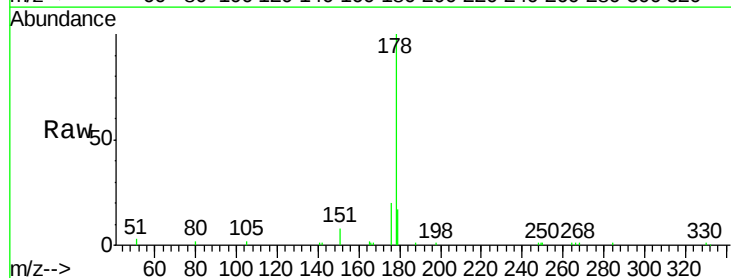
RT: 17.26 min Scan# 1122

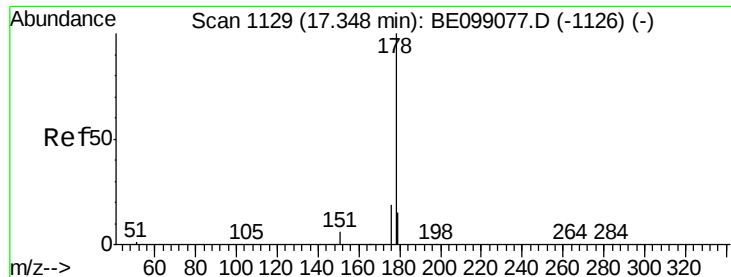
Delta R.T. 0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Tgt Ion:	178	Resp:	14177
Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	16.1	12.1	18.1





#24

Anthracene

Concen: 0.025 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

ClientSampleId :

PST-026-SW042-031919

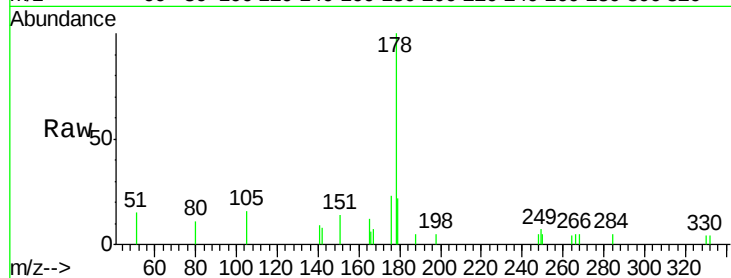
Tgt Ion:178 Resp: 1858

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

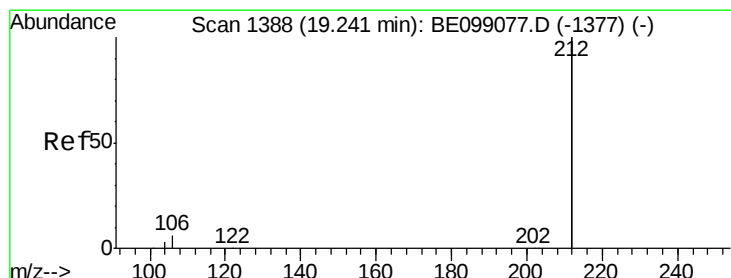
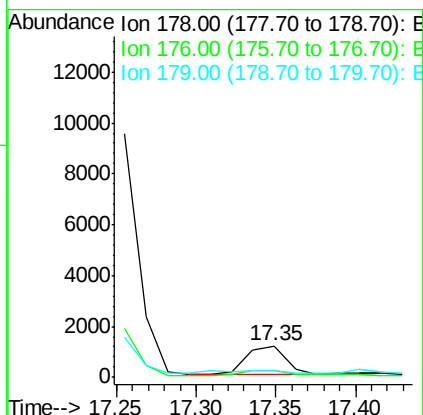
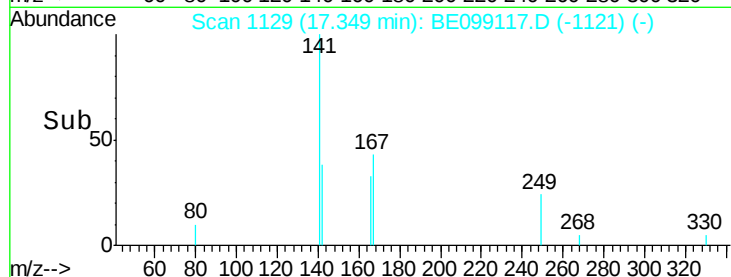
179 20.3 12.2 18.4#



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: 0.421 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

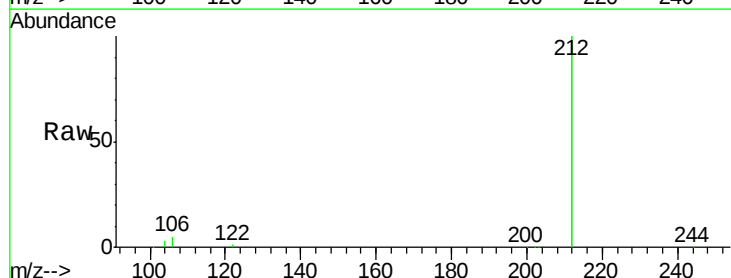
Tgt Ion:212 Resp: 146035

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

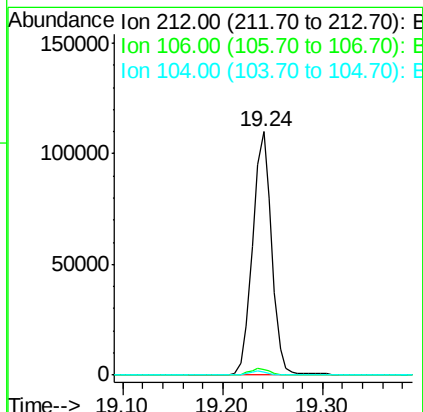
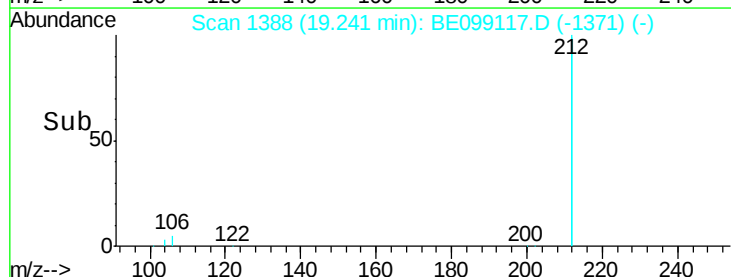
104 1.5 1.0 1.6

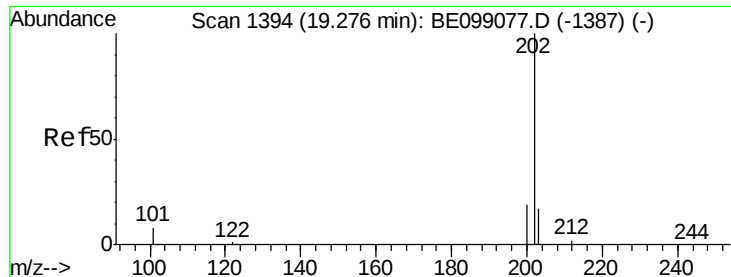


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

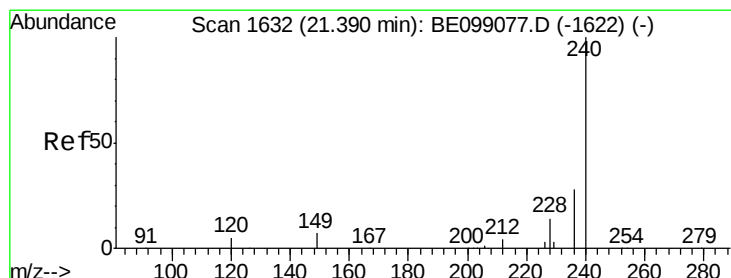
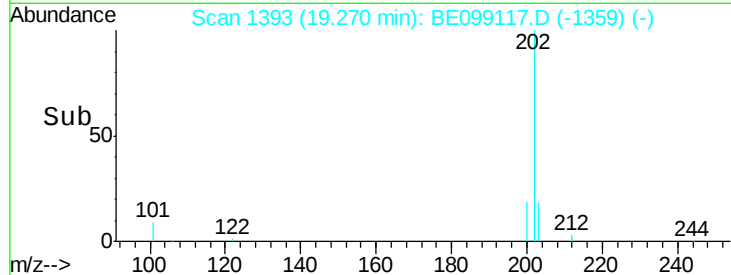
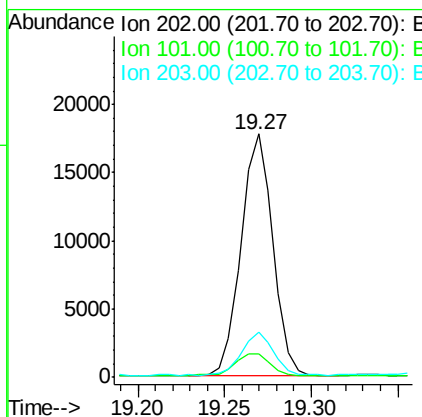
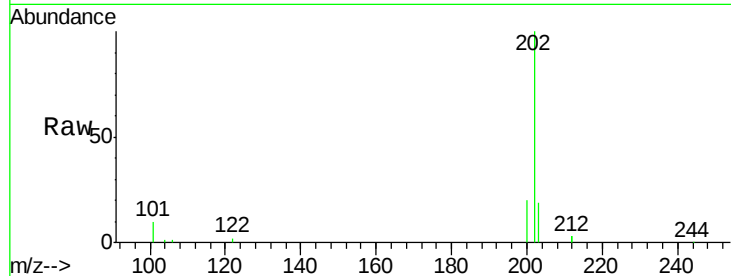




#26
 Fluoranthene
 Concen: 0.209 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BE099117.D
 Acq: 23 Mar 2019 18:17

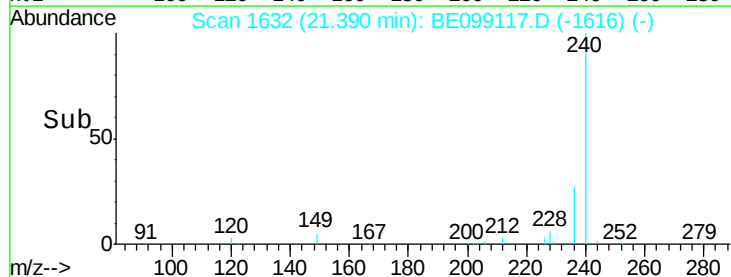
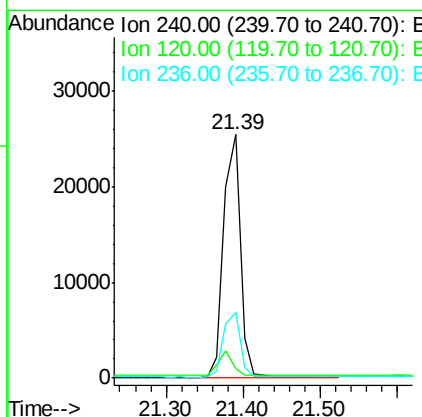
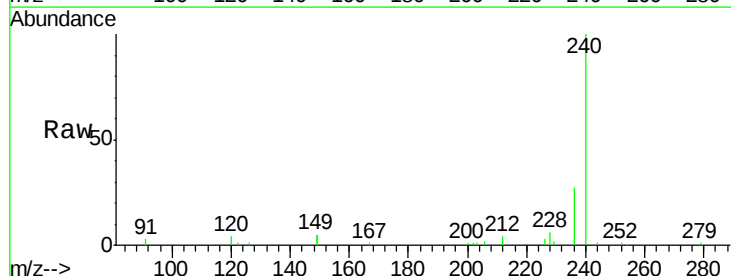
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW042-031919

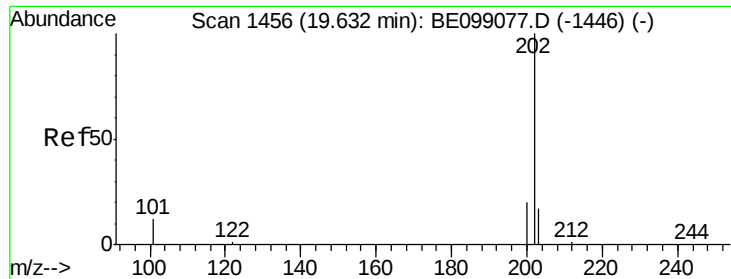
Tgt Ion: 202 Resp: 22759
 Ion Ratio Lower Upper
 202 100
 101 10.5 7.3 10.9
 203 17.9 13.4 20.2



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BE099117.D
 Acq: 23 Mar 2019 18:17

Tgt Ion: 240 Resp: 38259
 Ion Ratio Lower Upper
 240 100
 120 4.1 5.0 7.4#
 236 27.0 22.7 34.1

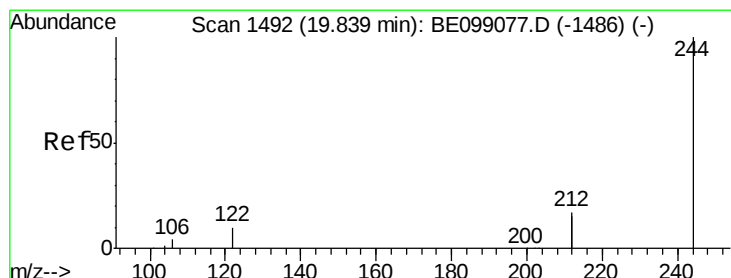
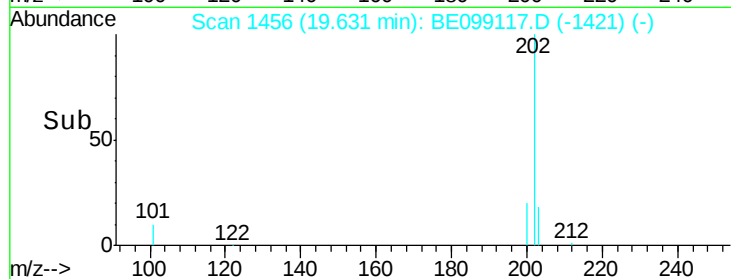
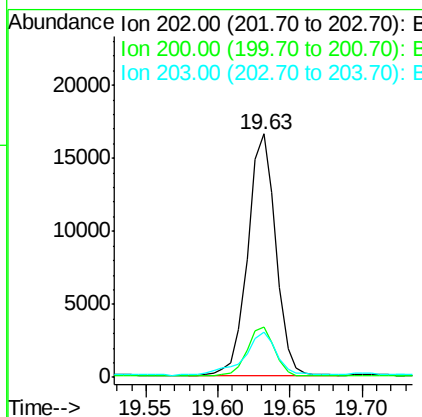
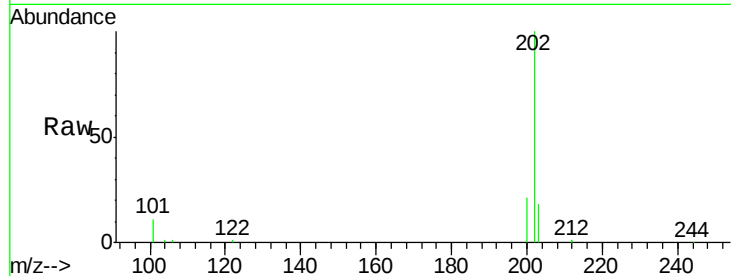




#28
 Pyrene
 Concen: 0.175 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: BE099117.D
 Acq: 23 Mar 2019 18:17

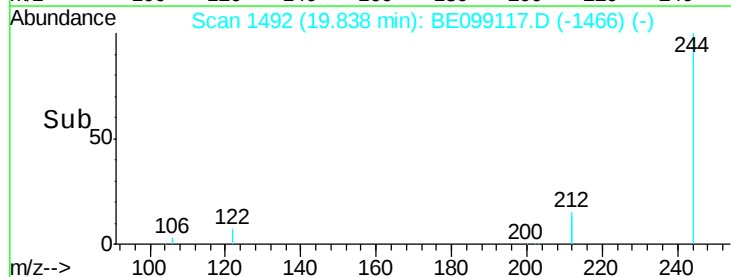
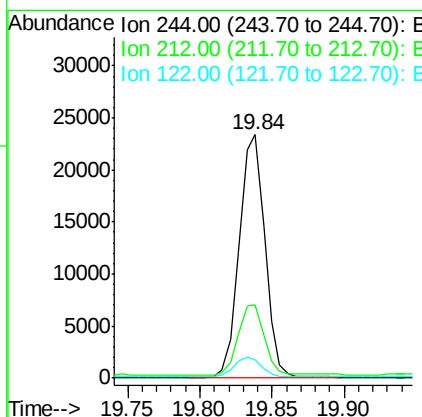
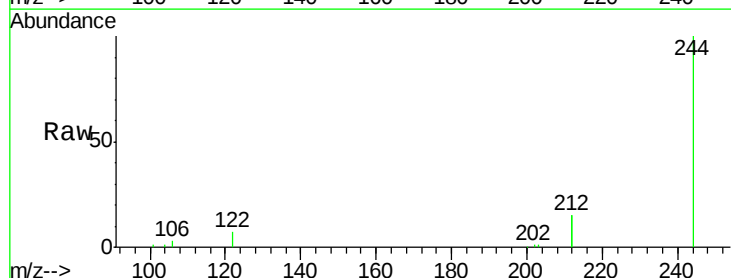
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW042-031919

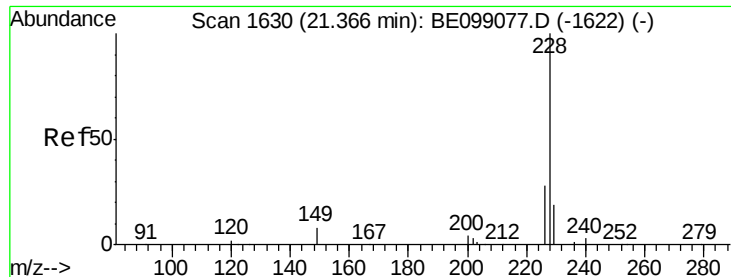
Tgt Ion: 202 Resp: 22656
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.0 25.6
 203 20.6 14.2 21.2



#29
 Terphenyl-d14
 Concen: 0.355 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BE099117.D
 Acq: 23 Mar 2019 18:17

Tgt Ion: 244 Resp: 28763
 Ion Ratio Lower Upper
 244 100
 212 29.9 29.4 44.2
 122 7.4 7.1 10.7





#30

Benzo(a)anthracene

Concen: 0.092 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

ClientSampleId :

PST-026-SW042-031919

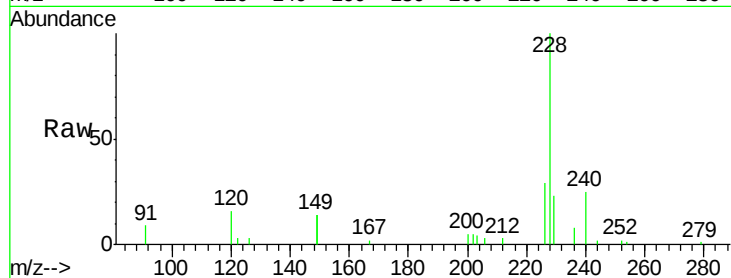
Tgt Ion:228 Resp: 12391

Ion Ratio Lower Upper

228 100

226 29.4 23.0 34.4

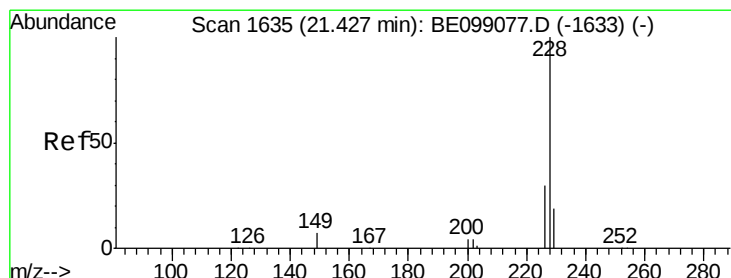
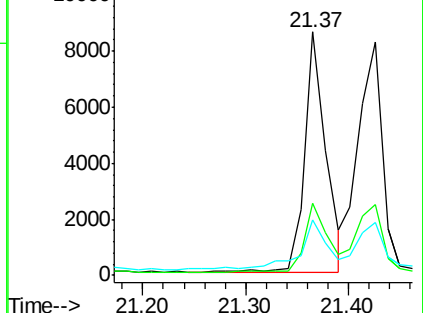
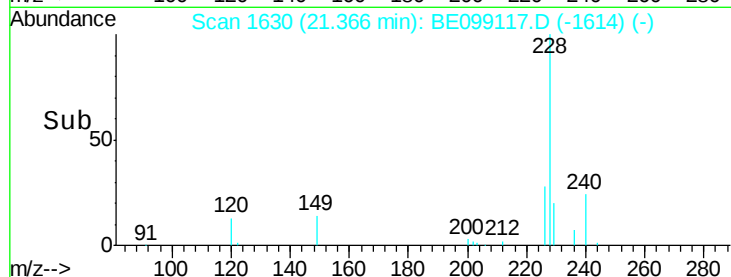
229 22.7 16.5 24.7



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: 0.098 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

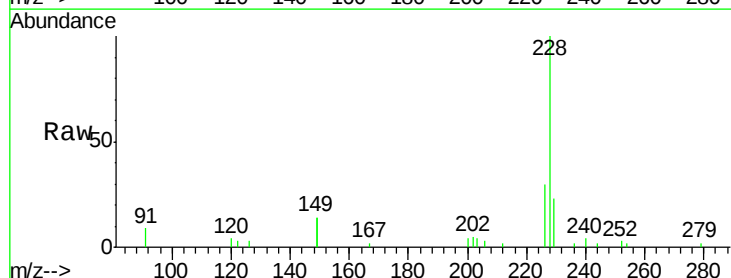
Tgt Ion:228 Resp: 13177

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

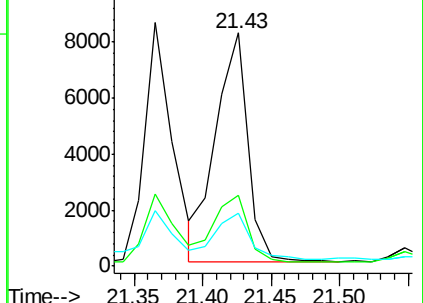
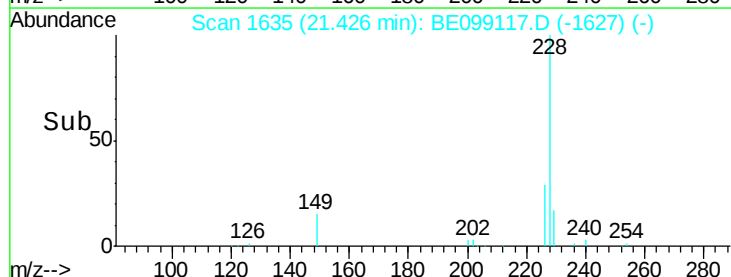
229 22.7 16.1 24.1

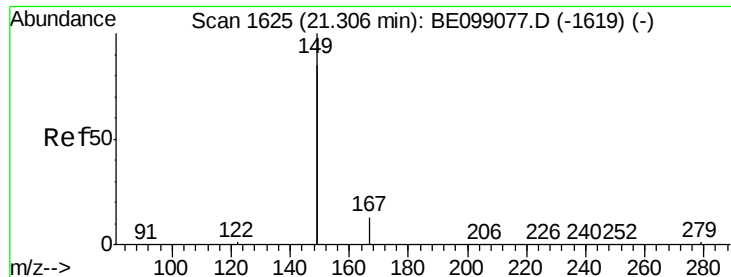


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

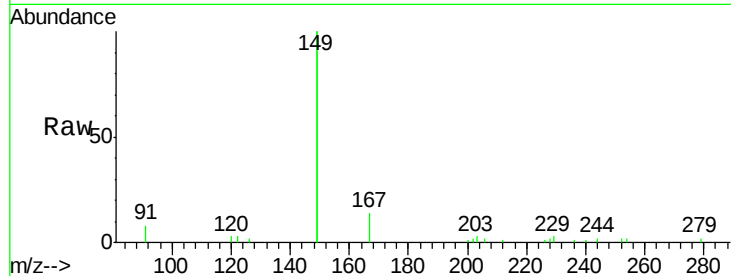




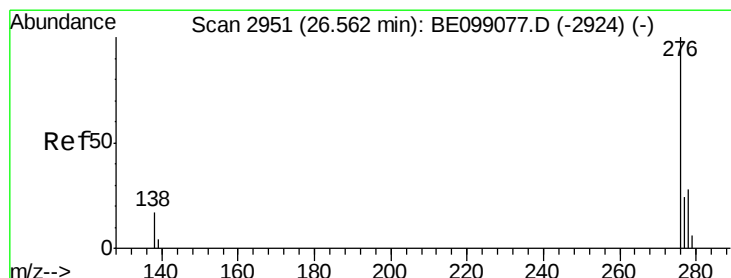
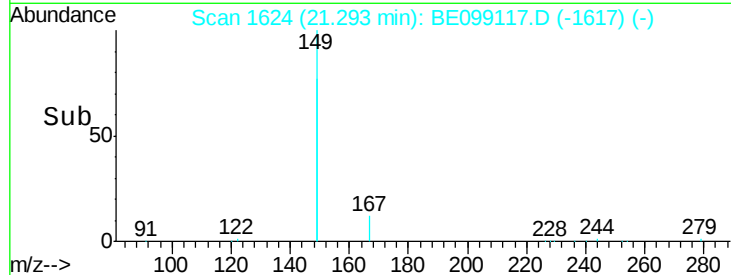
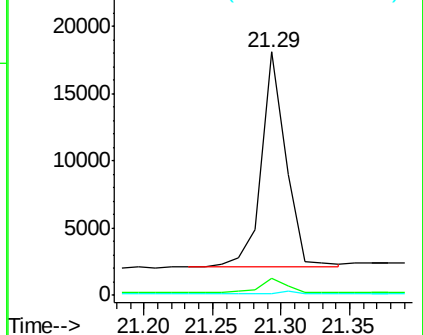
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.113 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BE099117.D
 Acq: 23 Mar 2019 18:17

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW042-031919

Tgt Ion: 149 Resp: 19732
 Ion Ratio Lower Upper
 149 100
 167 7.2 5.4 8.0
 279 1.2 1.0 1.4

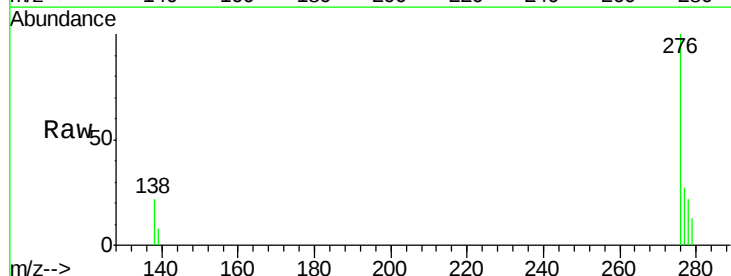


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

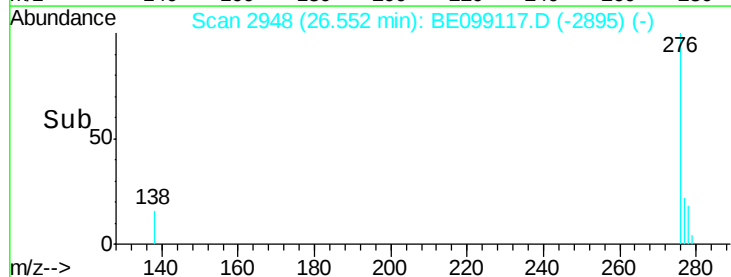
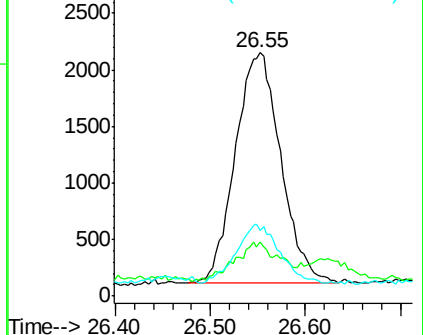


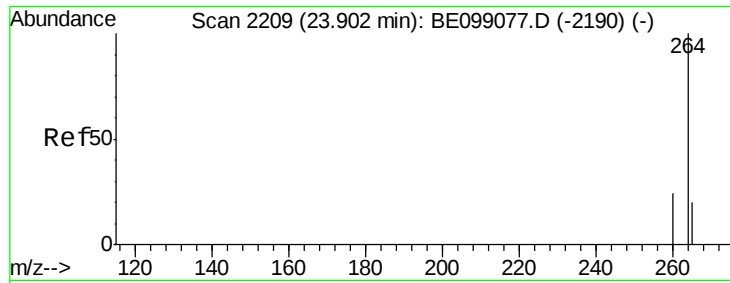
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.047 ng
 RT: 26.55 min Scan# 2948
 Delta R.T. -0.01 min
 Lab File: BE099117.D
 Acq: 23 Mar 2019 18:17

Tgt Ion: 276 Resp: 6800
 Ion Ratio Lower Upper
 276 100
 138 12.6 13.8 20.8#
 277 23.9 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

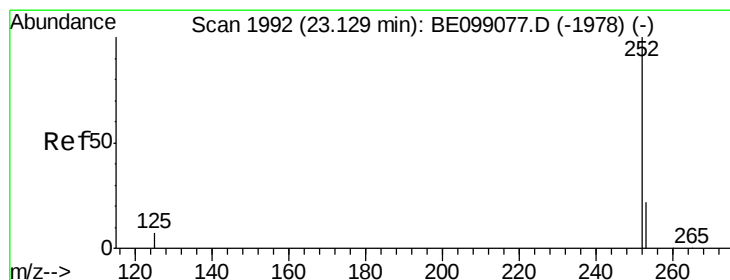
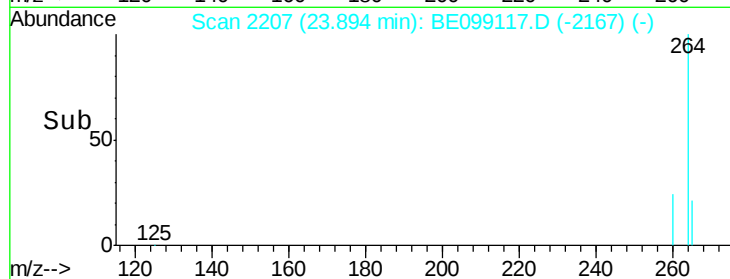
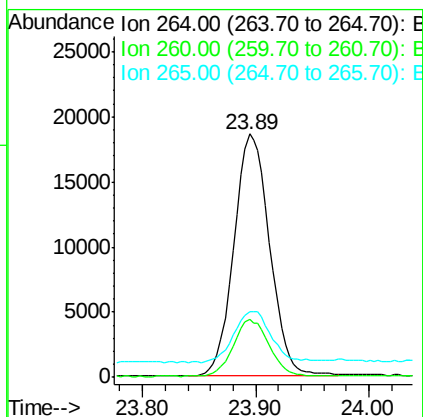
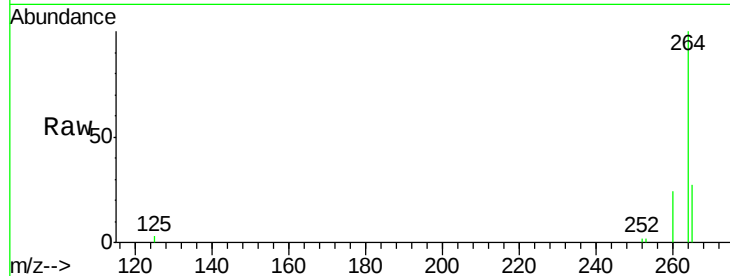




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: BE099117.D
 Acq: 23 Mar 2019 18:17

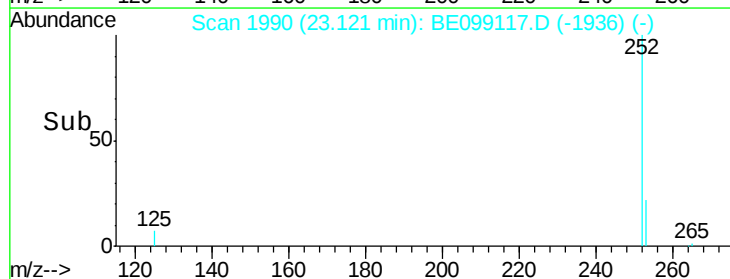
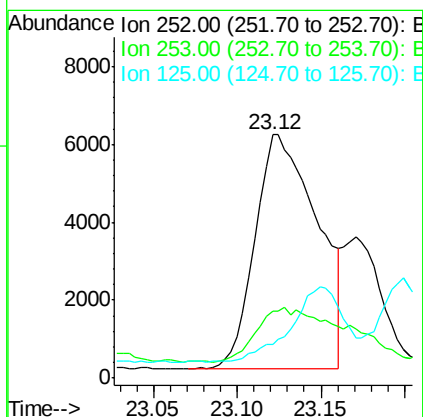
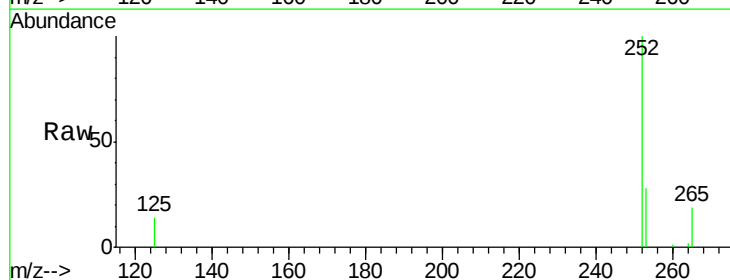
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW042-031919

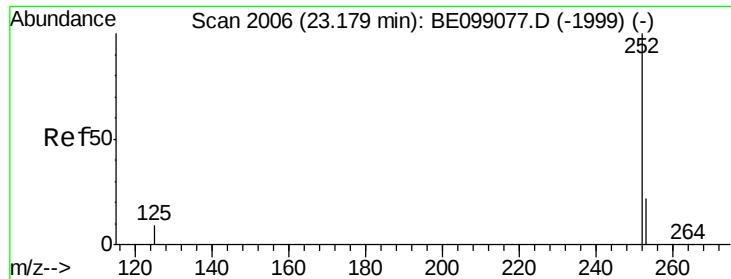
Tgt Ion: 264 Resp: 40671
 Ion Ratio Lower Upper
 264 100
 260 24.0 21.2 31.8
 265 27.0 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.111 ng
 RT: 23.12 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BE099117.D
 Acq: 23 Mar 2019 18:17

Tgt Ion: 252 Resp: 15661
 Ion Ratio Lower Upper
 252 100
 253 27.6 18.2 27.2#
 125 13.7 7.3 10.9#





#36

Benzo(k)fluoranthene

Concen: 0.114 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.06 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

ClientSampleId :

PST-026-SW042-031919

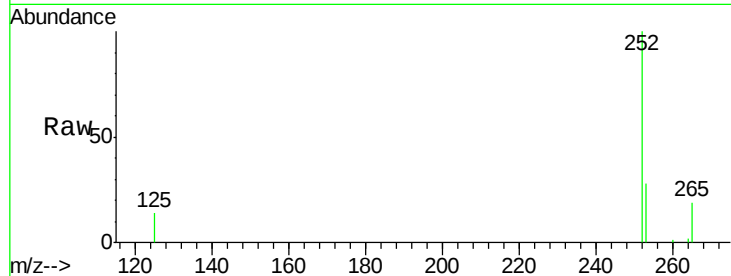
Tgt Ion: 252 Resp: 15661

Ion Ratio Lower Upper

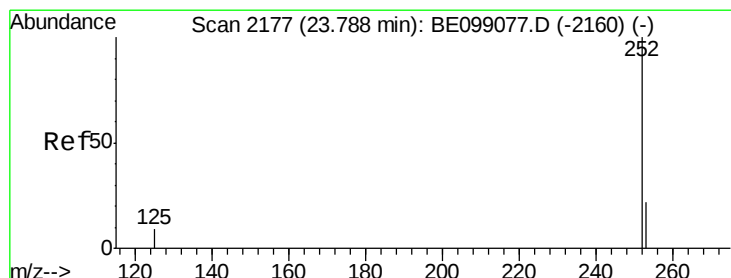
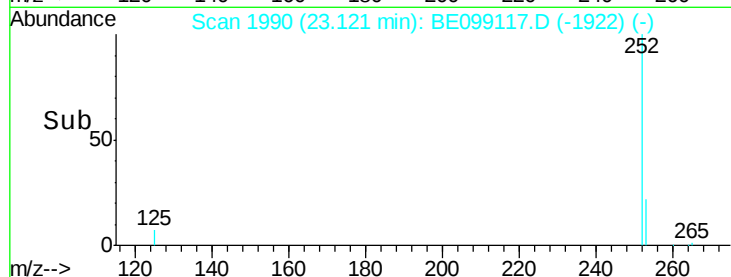
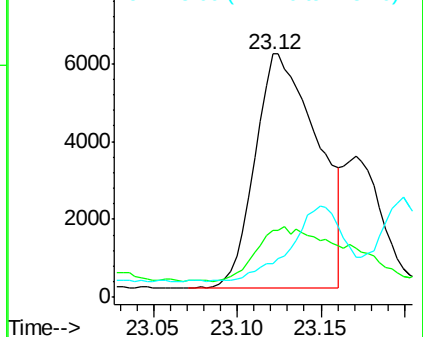
252 100

253 27.6 19.3 28.9

125 13.7 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: 0.085 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099117.D

Acq: 23 Mar 2019 18:17

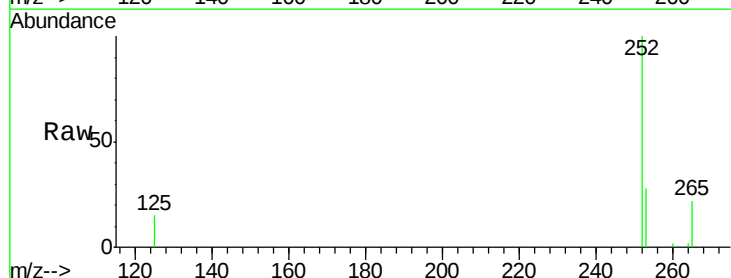
Tgt Ion: 252 Resp: 11013

Ion Ratio Lower Upper

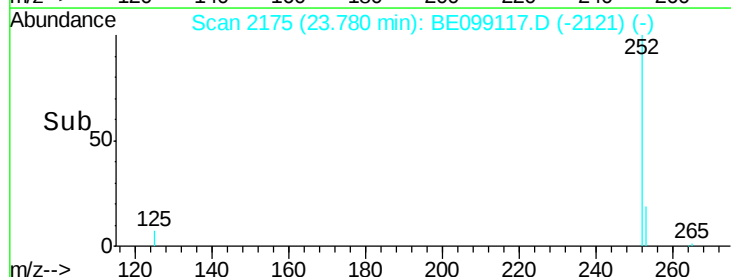
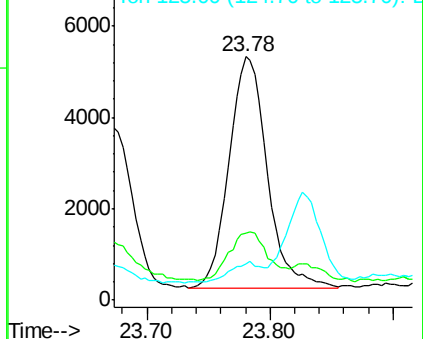
252 100

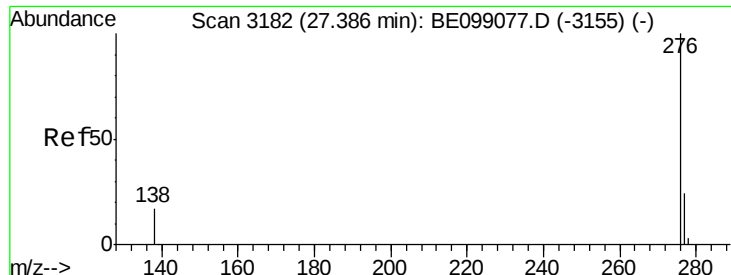
253 27.6 19.9 29.9

125 15.0 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: 0.053 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.02 min

Lab File: BE099117.D

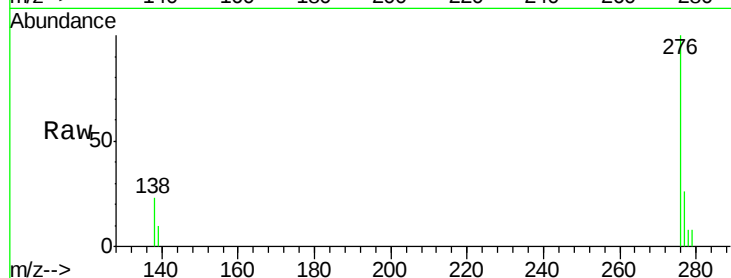
Acq: 23 Mar 2019 18:17

Instrument :

BNA_E

ClientSampleId :

PST-026-SW042-031919



Tgt Ion: 276 Resp: 6916

Ion Ratio Lower Upper

276 100

277 26.1 20.4 30.6

138 23.4 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

