

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099133.D
 Acq On : 24 Mar 2019 4:59
 Operator : JU/SJ
 Sample : K2014-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW075-031819

Quant Time: Mar 24 23:01:49 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	3706	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	14714	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9720	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	28342	0.40	ng	0.00
27) Chrysene-d12	21.38	240	39176	0.40	ng	-0.01
34) Perylene-d12	23.89	264	42649	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4825	0.44	ng	0.00
5) Phenol-d6	6.99	99	6932	0.44	ng	0.00
8) Nitrobenzene-d5	8.99	82	5241	0.81	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	8966	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	2072	0.73	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13918	0.36	ng	-0.01
25) Fluoranthene-d10	19.24	212	130502	0.35	ng	0.00
29) Terphenyl-d14	19.83	244	26045	0.31	ng	0.00

Target Compounds

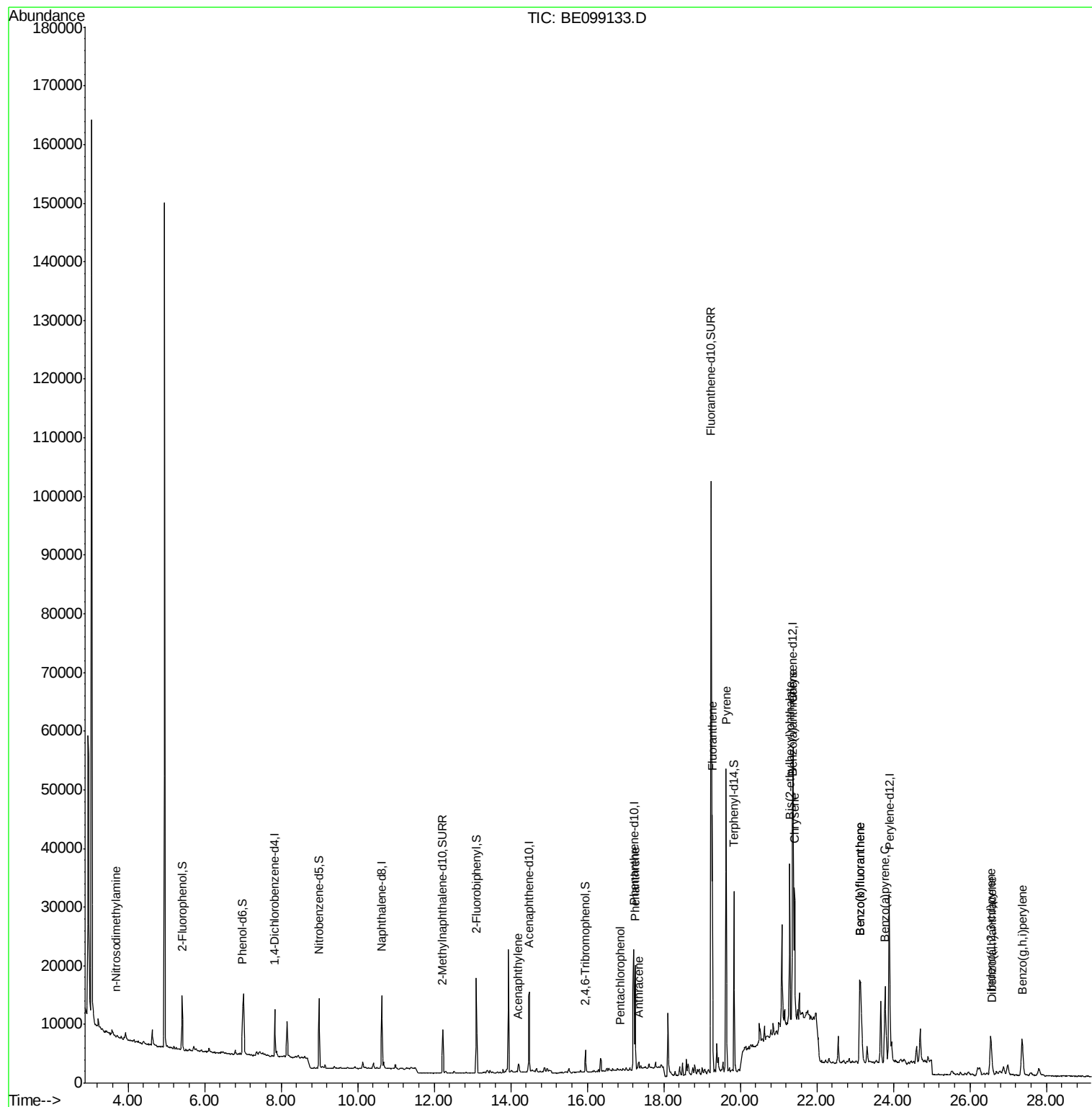
						Qvalue
3) n-Nitrosodimethylamine	3.69	42	109	0.037	ng	# 1
16) Acenaphthylene	14.20	152	2246	0.043	ng	97
22) Pentachlorophenol	16.85	266	84	0.265	ng	88
23) Phenanthrene	17.25	178	18817	0.224	ng	97
24) Anthracene	17.35	178	2182	0.027	ng	# 92
26) Fluoranthene	19.27	202	39678	0.335	ng	98
28) Pyrene	19.63	202	48744	0.367	ng	97
30) Benzo(a)anthracene	21.37	228	24163	0.175	ng	96
31) Chrysene	21.42	228	24732	0.179	ng	93
32) Bis(2-ethylhexyl)phthalate	21.29	149	31624	0.177	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.55	276	13422	0.091	ng	97
35) Benzo(b)fluoranthene	23.12	252	26870	0.182	ng	# 85
36) Benzo(k)fluoranthene	23.12	252	26870	0.186	ng	# 88
37) Benzo(a)pyrene	23.78	252	21187	0.155	ng	# 97
38) Dibenzo(a,h)anthracene	26.57	278	3801	0.029	ng	# 55
39) Benzo(g,h,i)perylene	27.36	276	15264	0.112	ng	96

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

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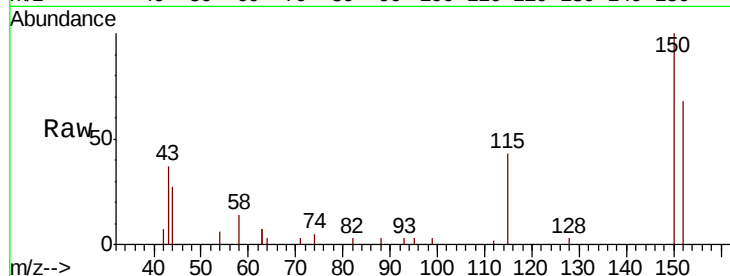


#1

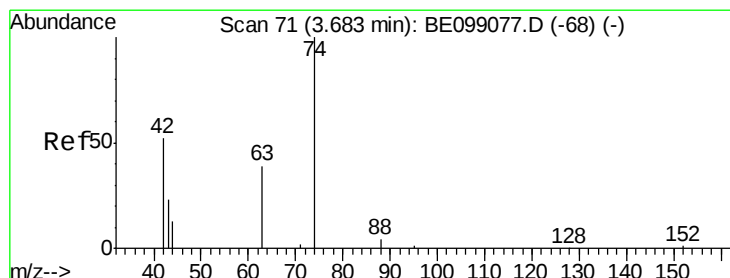
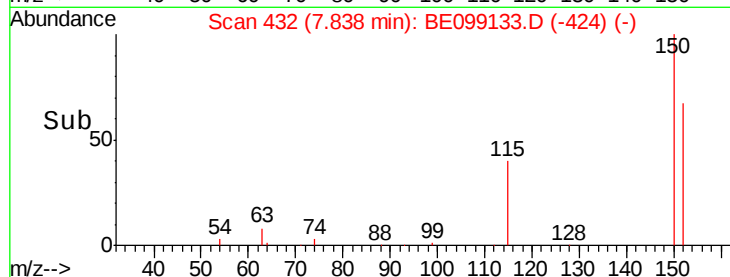
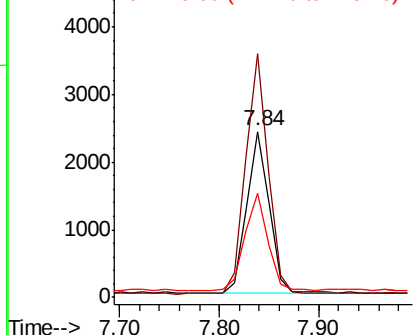
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819

Tgt Ion: 152 Resp: 3706
Ion Ratio Lower Upper
152 100
150 147.0 122.5 183.7
115 63.0 57.4 86.2



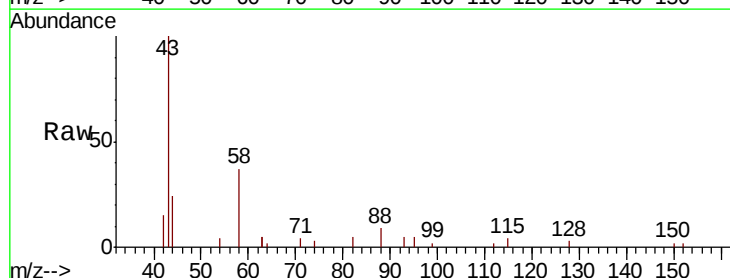
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



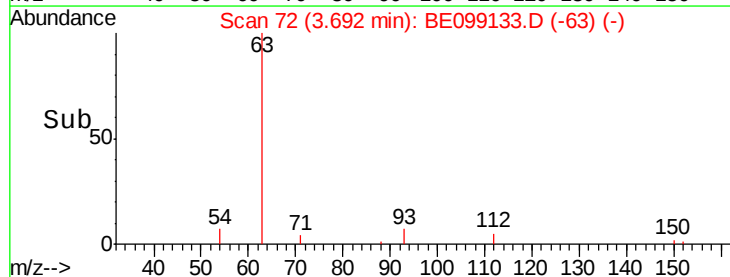
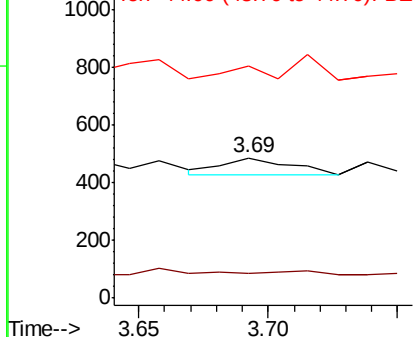
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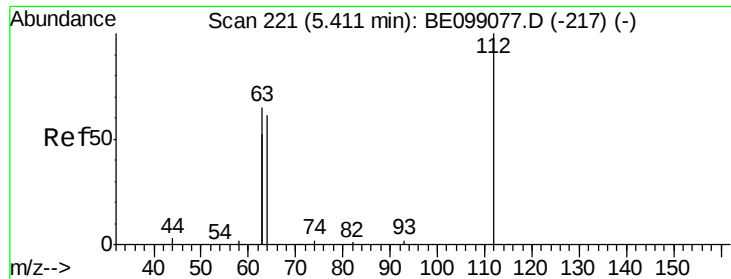
n-Nitrosodimethylamine
Concen: 0.037 ng
RT: 3.69 min Scan# 72
Delta R.T. 0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Tgt Ion: 42 Resp: 109
Ion Ratio Lower Upper
42 100
74 0.0 160.0 240.0#
44 28.4 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: 0.437 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819

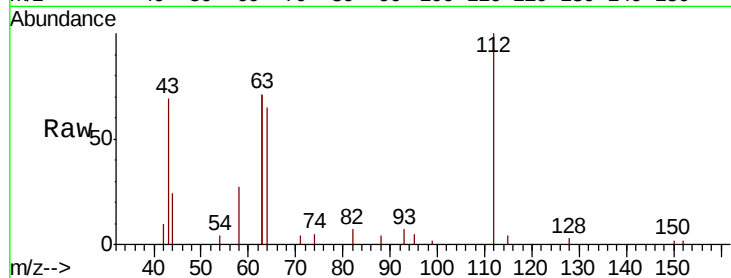
Tgt Ion: 112 Resp: 4825

Ion Ratio Lower Upper

112 100

64 59.8 57.9 86.9

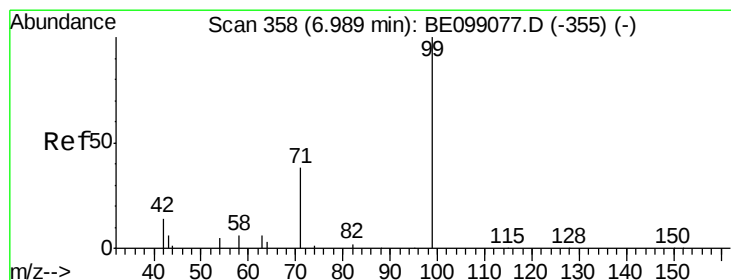
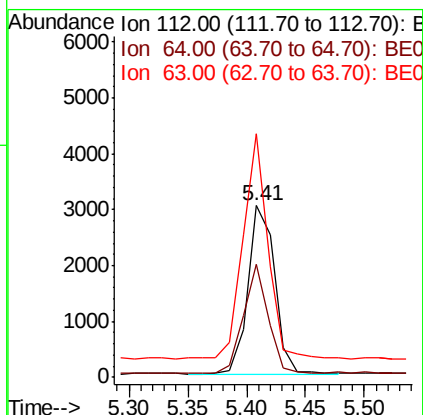
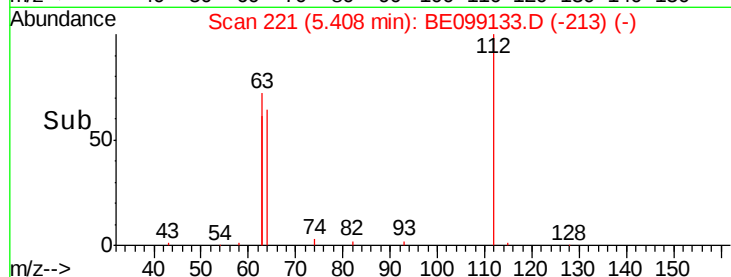
63 122.8 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): BE099133.D (-213) (-)

Ion 64.00 (63.70 to 64.70): BE099133.D (-213) (-)

Ion 63.00 (62.70 to 63.70): BE099133.D (-213) (-)



#5

Phenol-d6

Concen: 0.436 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

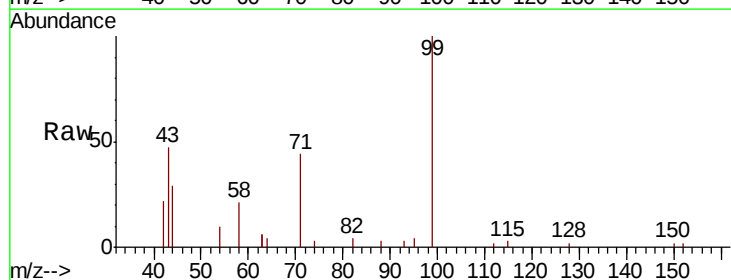
Tgt Ion: 99 Resp: 6932

Ion Ratio Lower Upper

99 100

42 20.6 24.2 36.2#

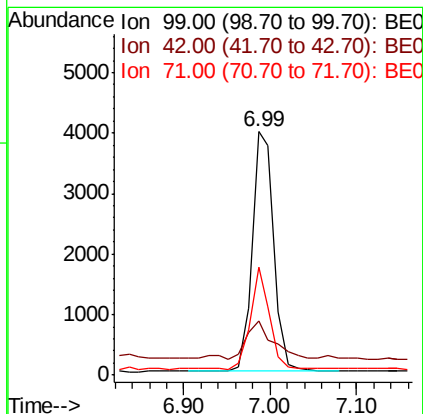
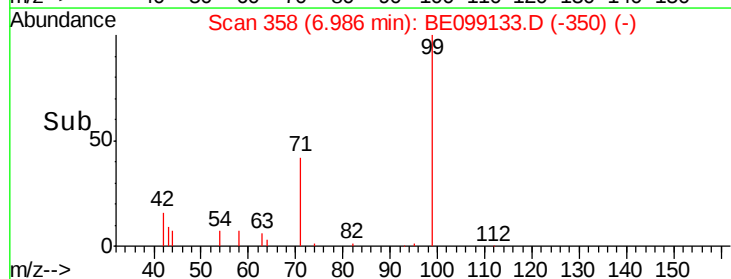
71 36.3 35.7 53.5

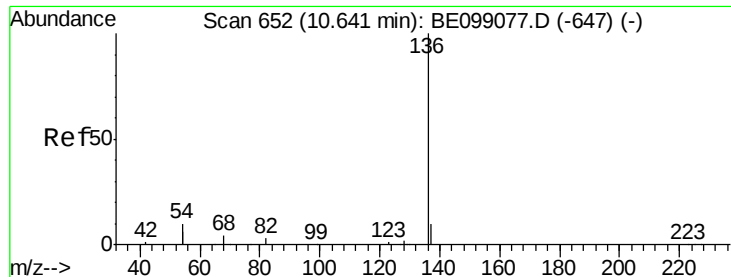


Abundance Ion 99.00 (98.70 to 99.70): BE099133.D (-350) (-)

Ion 42.00 (41.70 to 42.70): BE099133.D (-350) (-)

Ion 71.00 (70.70 to 71.70): BE099133.D (-350) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819

Tgt Ion: 136 Resp: 14714

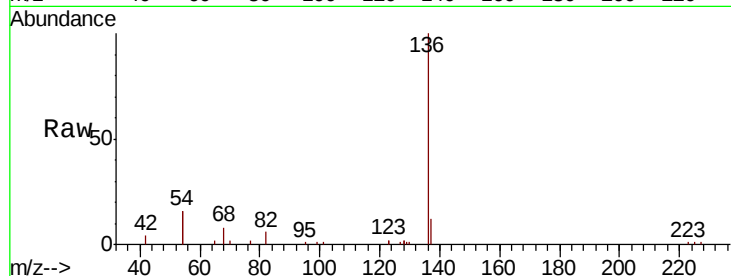
Ion Ratio Lower Upper

136 100

137 11.9 11.4 17.0

54 32.0 39.3 58.9#

68 8.5 6.7 10.1

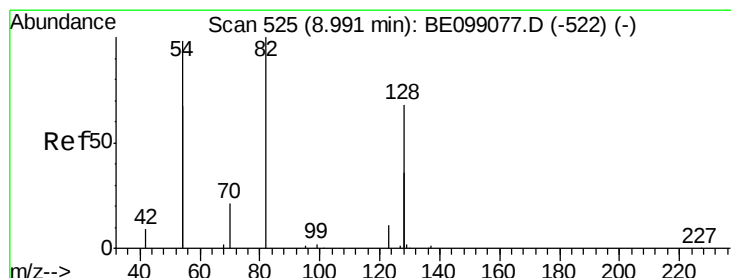
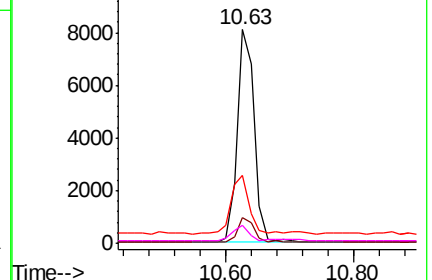
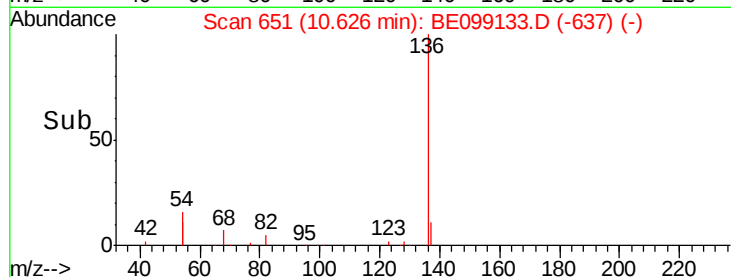


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.815 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

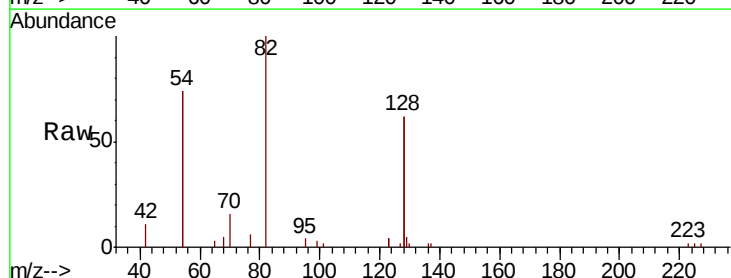
Tgt Ion: 82 Resp: 5241

Ion Ratio Lower Upper

82 100

128 123.8 123.8 185.8#

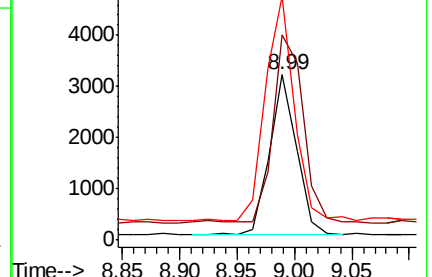
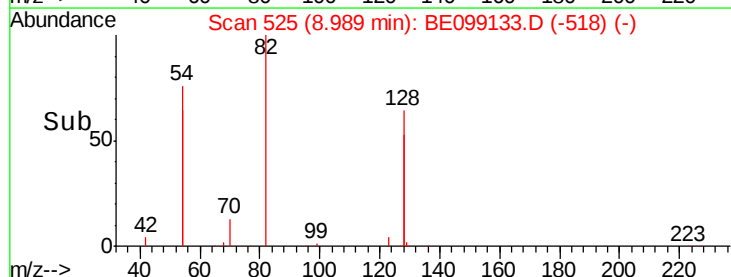
54 147.3 203.4 305.2#

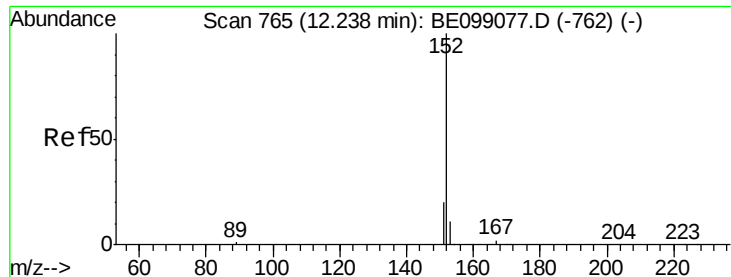


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

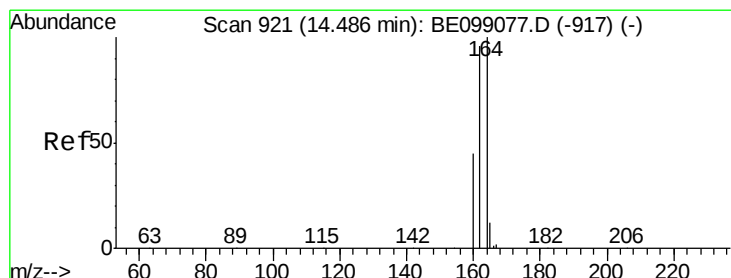
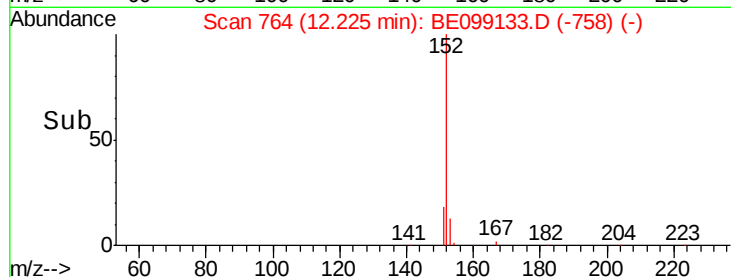
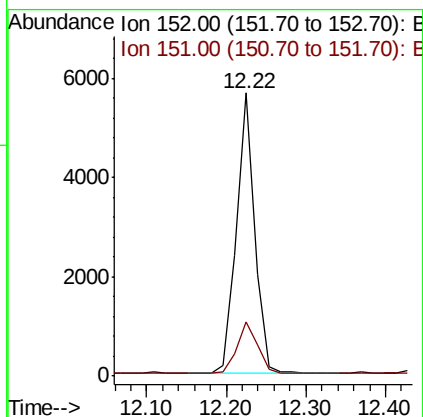
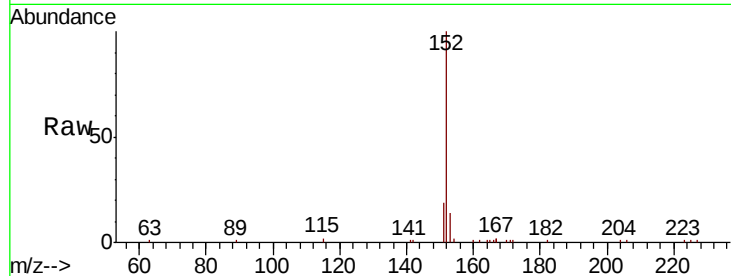




#11
 2-Methylnaphthalene-d10
 Concen: 0.338 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BE099133.D
 Acq: 24 Mar 2019 4:59

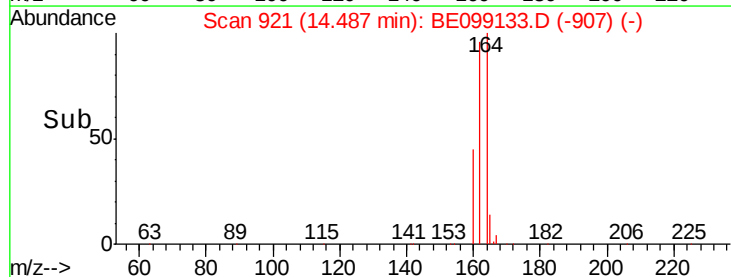
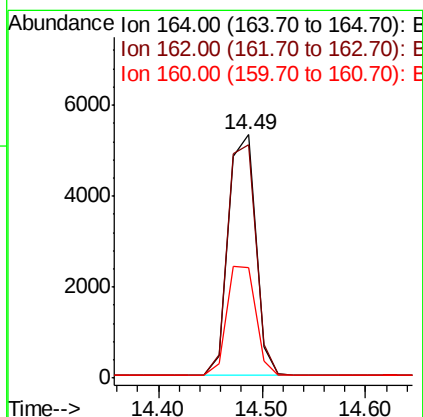
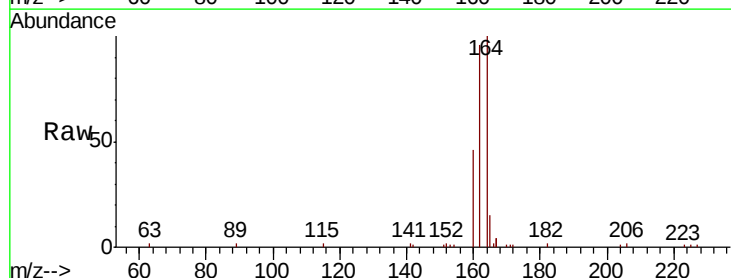
Instrument :
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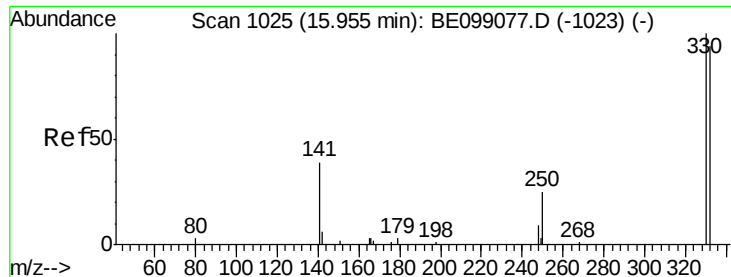
Tgt Ion:152 Resp: 8966
 Ion Ratio Lower Upper
 152 100
 151 20.6 16.5 24.7



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: BE099133.D
 Acq: 24 Mar 2019 4:59

Tgt Ion:164 Resp: 9720
 Ion Ratio Lower Upper
 164 100
 162 96.0 80.2 120.2
 160 45.5 37.8 56.8

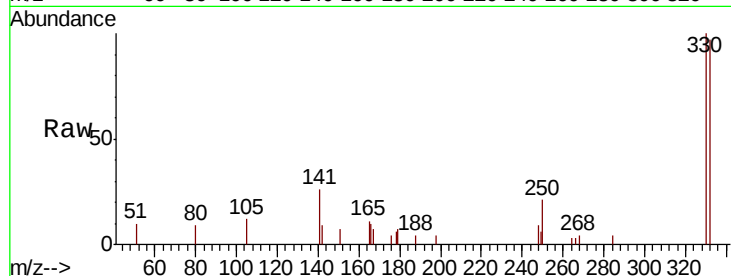




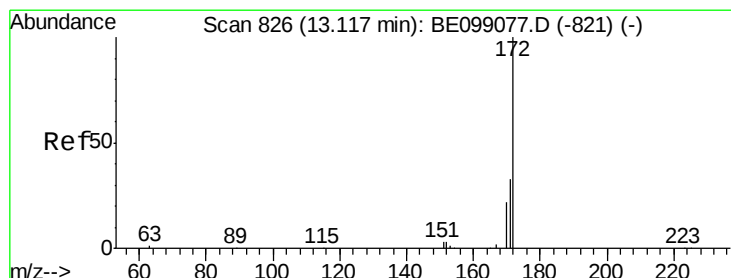
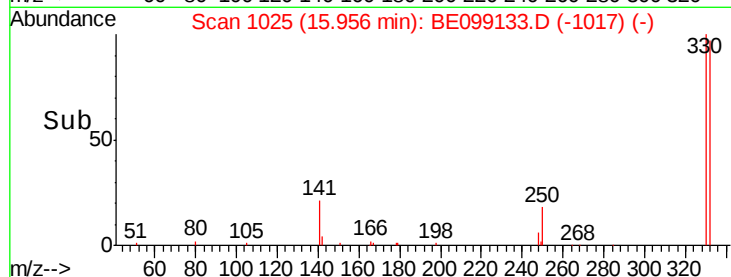
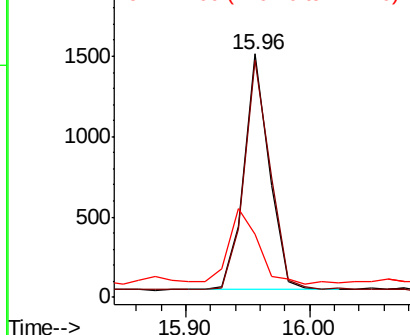
#14
 2,4,6-Tribromophenol
 Concen: 0.725 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099133.D
 Acq: 24 Mar 2019 4:59

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW075-031819

Tgt Ion:330 Resp: 2072
 Ion Ratio Lower Upper
 330 100
 332 100.3 77.6 116.4
 141 37.3 31.0 46.4

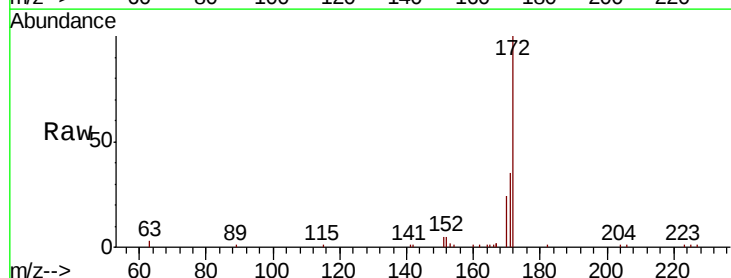


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

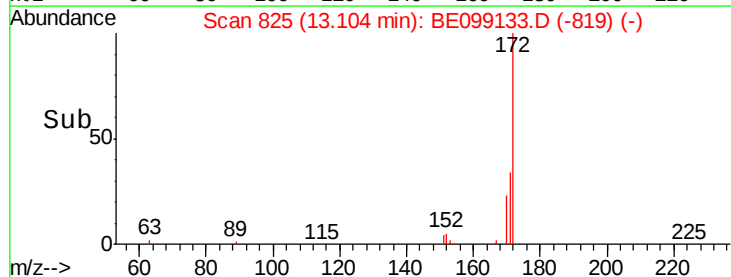
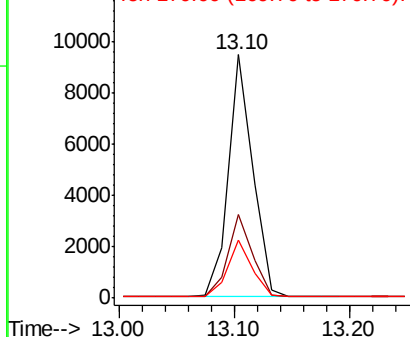


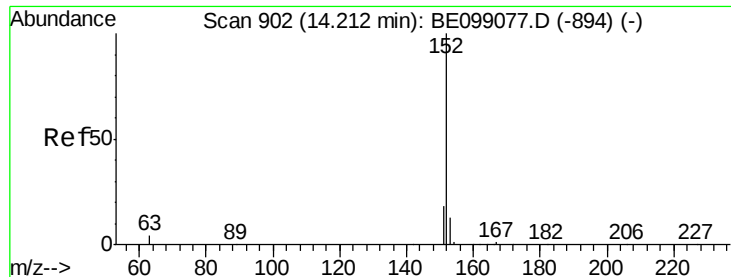
#15
 2-Fluorobiphenyl
 Concen: 0.360 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BE099133.D
 Acq: 24 Mar 2019 4:59

Tgt Ion:172 Resp: 13918
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.0 42.0
 170 23.8 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

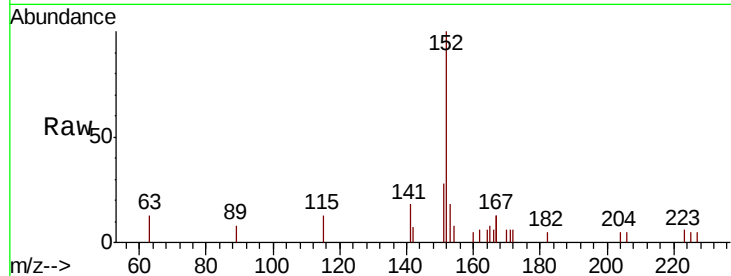




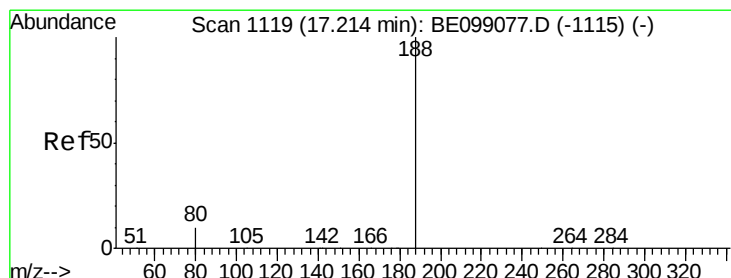
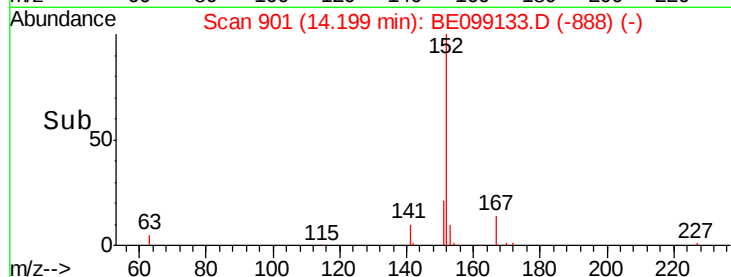
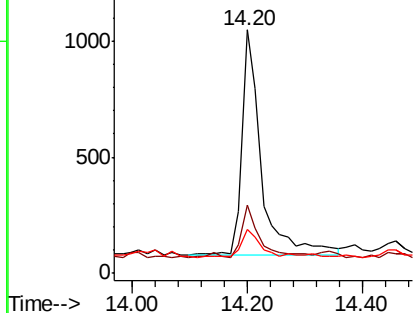
#16
Acenaphthylene
Concen: 0.043 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Instrument :
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ClientSampleId :
PST-026-SW075-031819

Tgt Ion:152 Resp: 2246
Ion Ratio Lower Upper
152 100
151 22.9 17.0 25.6
153 15.2 11.2 16.8

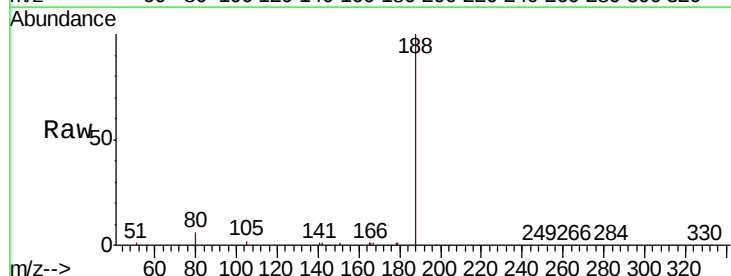


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

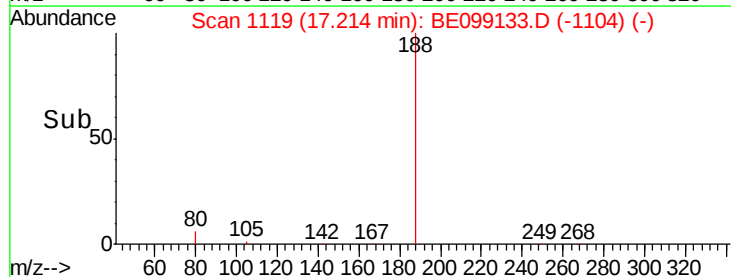
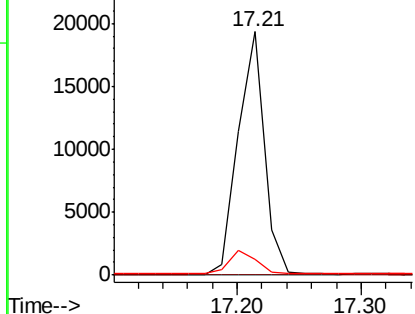


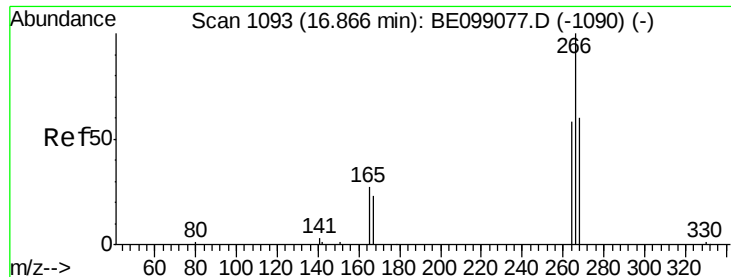
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Tgt Ion:188 Resp: 28342
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.3 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: 0.265 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819

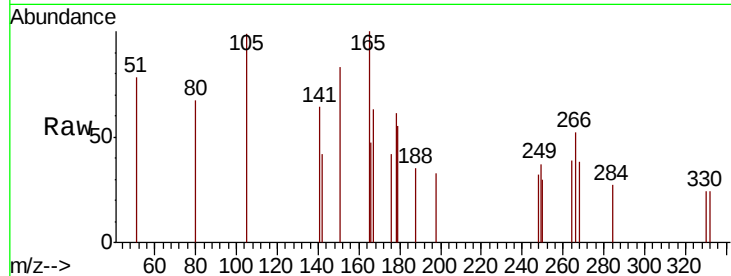
Tgt Ion: 266 Resp: 84

Ion Ratio Lower Upper

266 100

264 74.8 66.6 100.0

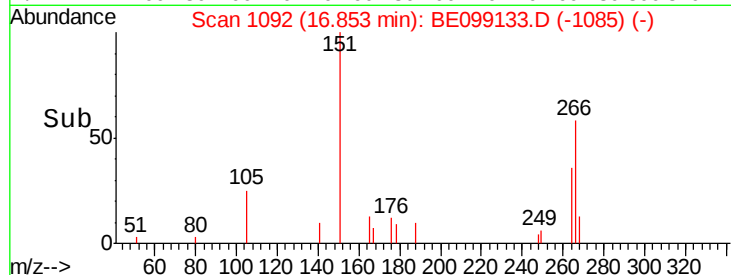
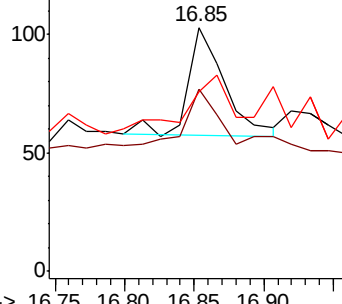
268 73.8 69.8 104.8



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: 0.224 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

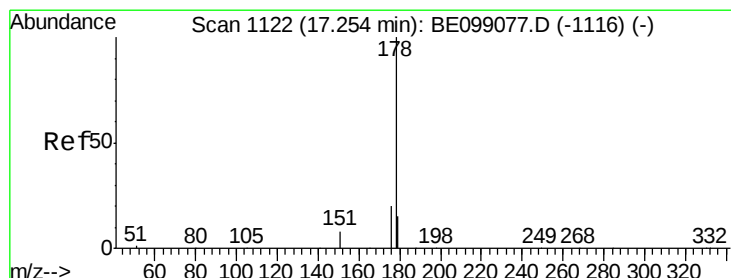
Tgt Ion: 178 Resp: 18817

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

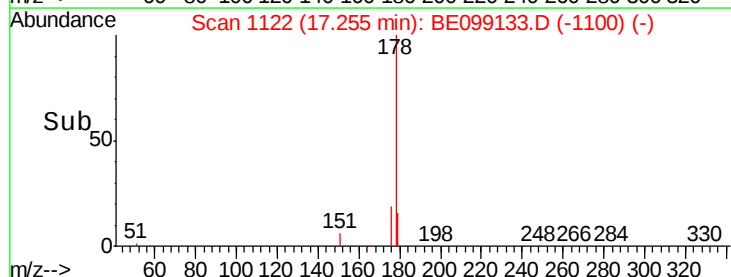
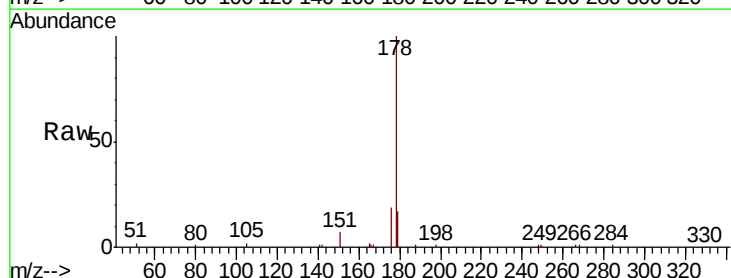
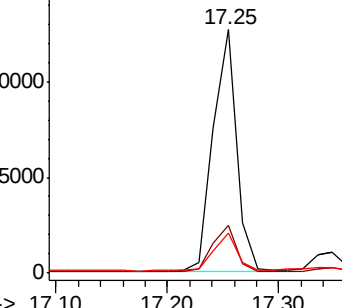
179 16.9 12.1 18.1

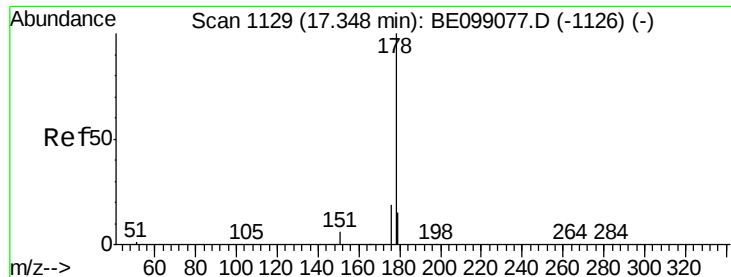


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.027 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819

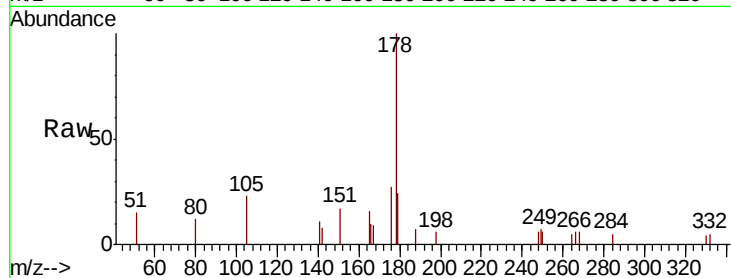
Tgt Ion:178 Resp: 2182

Ion Ratio Lower Upper

178 100

176 16.5 15.4 23.0

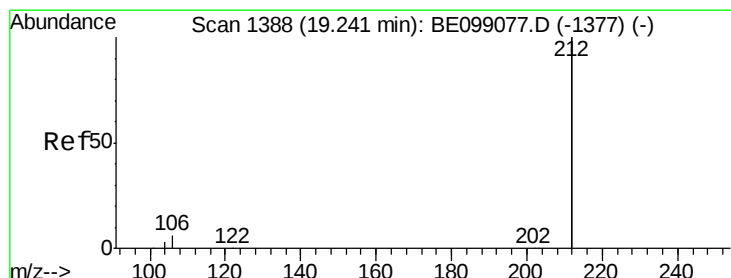
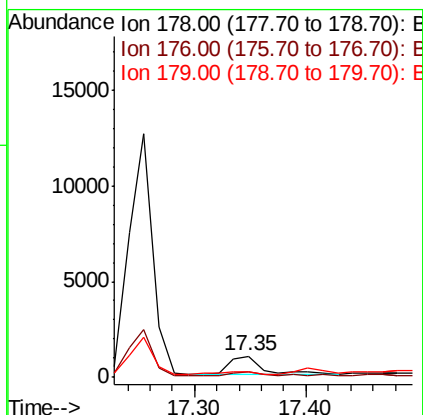
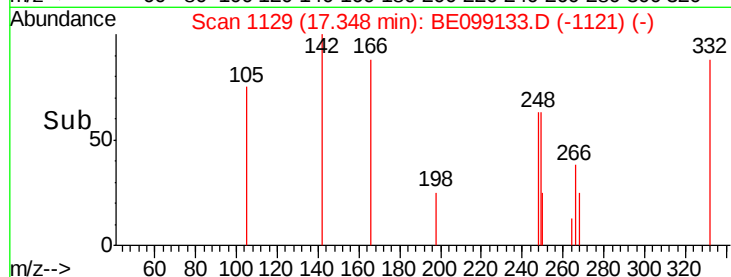
179 11.1 12.2 18.4#



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: 0.345 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

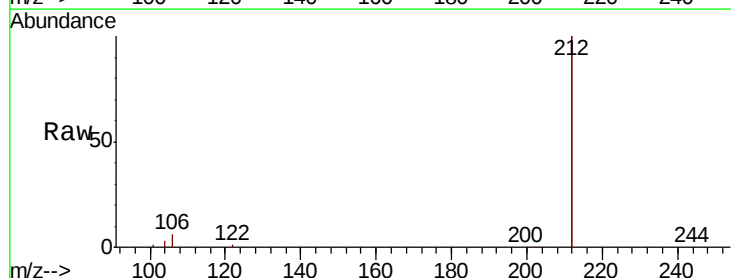
Tgt Ion:212 Resp: 130502

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

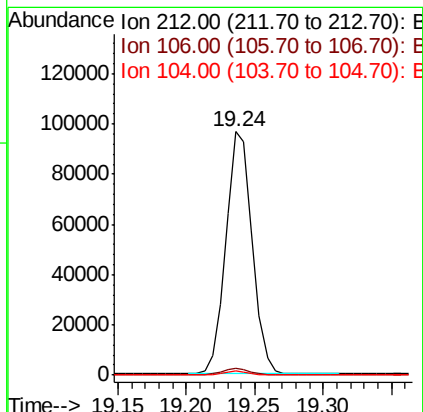
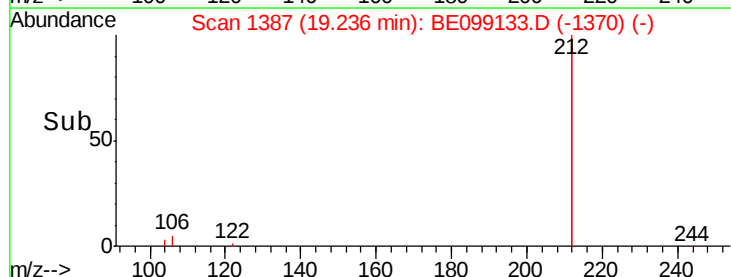
104 1.5 1.0 1.6

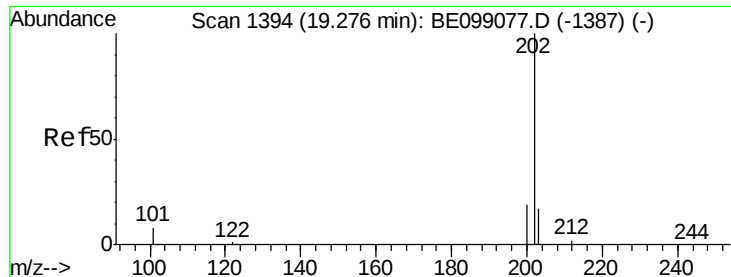


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

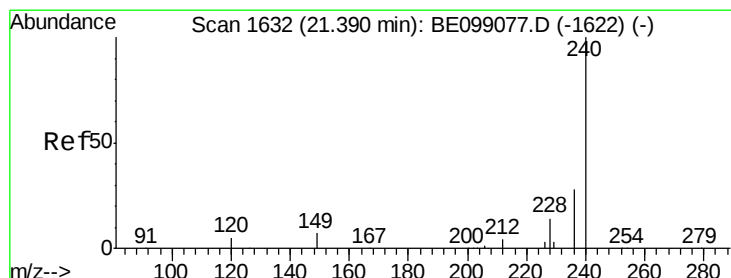
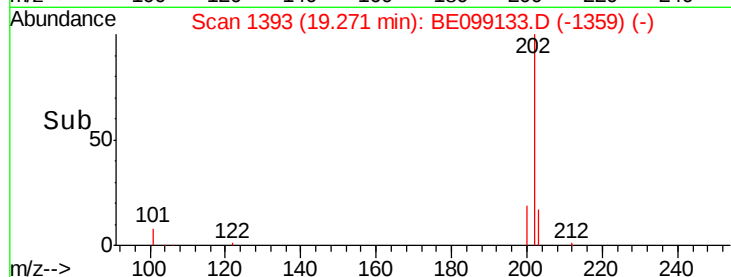
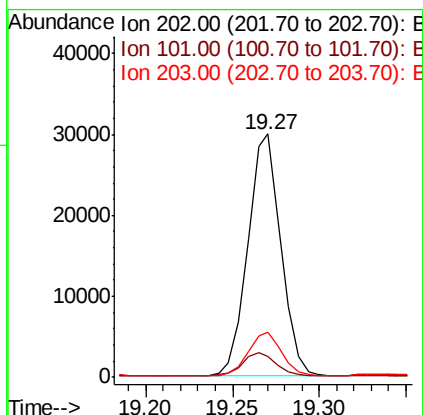
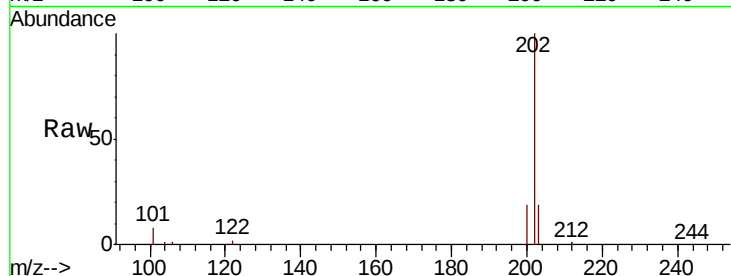




#26
Fluoranthene
Concen: 0.335 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

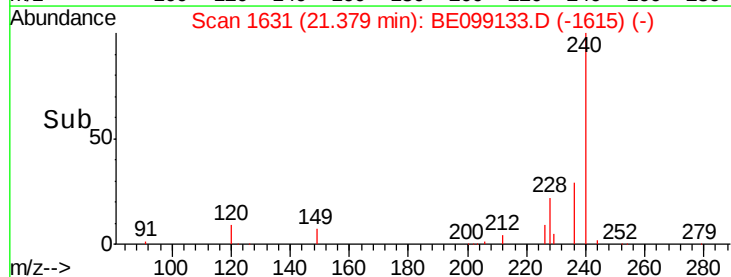
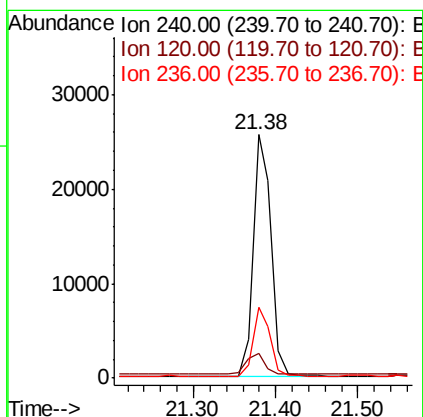
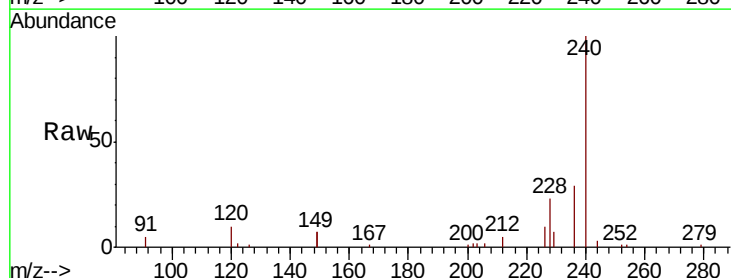
Instrument :
BNA_E
ClientSampleId :
PST-026-SW075-031819

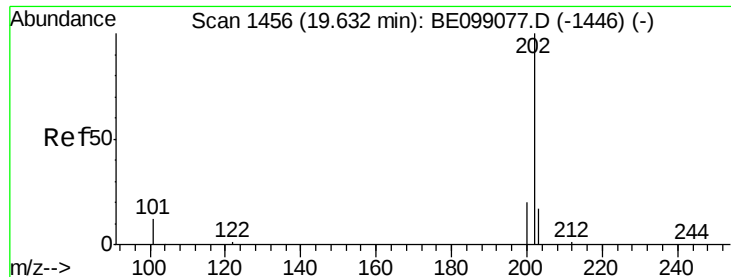
Tgt Ion: 202 Resp: 39678
Ion Ratio Lower Upper
202 100
101 10.2 7.3 10.9
203 17.7 13.4 20.2



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE099133.D
Acq: 24 Mar 2019 4:59

Tgt Ion: 240 Resp: 39176
Ion Ratio Lower Upper
240 100
120 10.4 5.0 7.4#
236 29.2 22.7 34.1





#28

Pyrene

Concen: 0.367 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

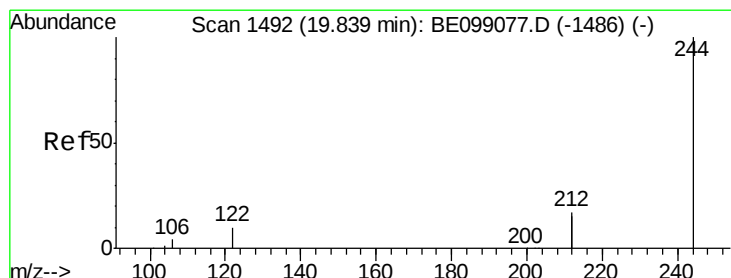
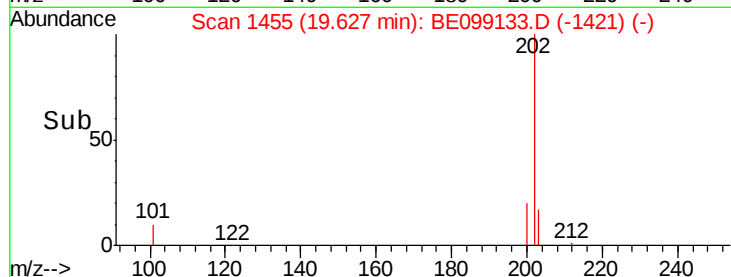
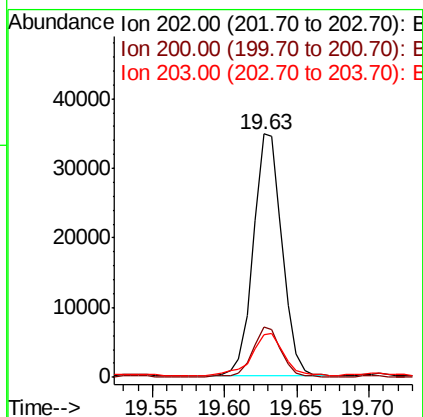
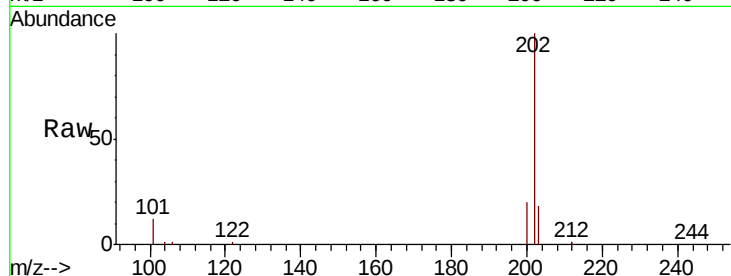
Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819

Tgt Ion:	202	Resp:	48744
Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.0	25.6
203	19.5	14.2	21.2



#29

Terphenyl-d14

Concen: 0.314 ng

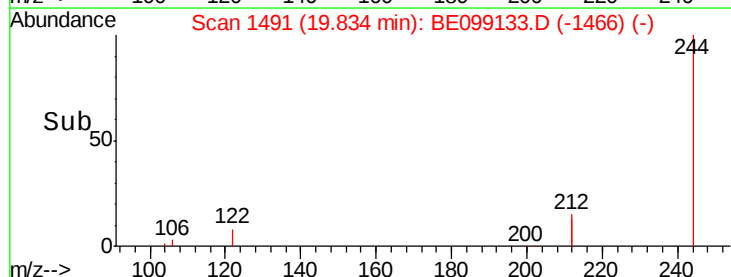
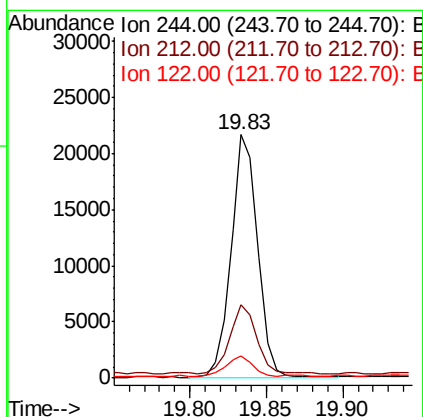
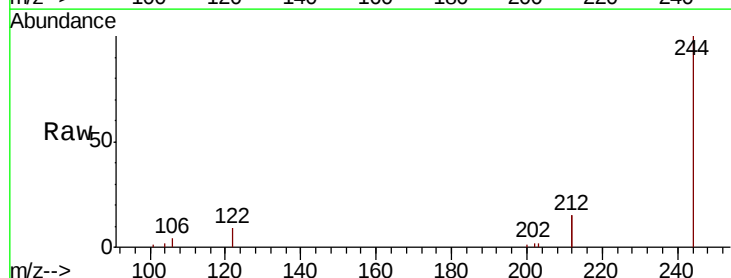
RT: 19.83 min Scan# 1491

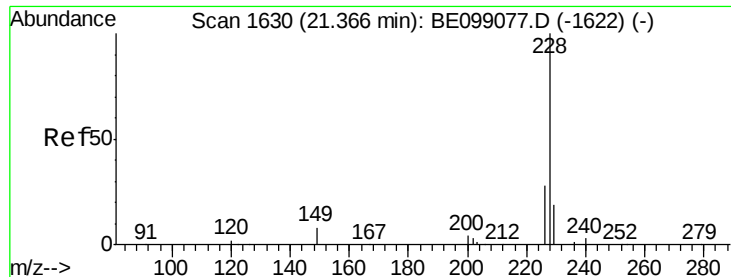
Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Tgt Ion:	244	Resp:	26045
Ion	Ratio	Lower	Upper
244	100		
212	30.3	29.4	44.2
122	9.1	7.1	10.7





#30

Benzo(a)anthracene

Concen: 0.175 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819

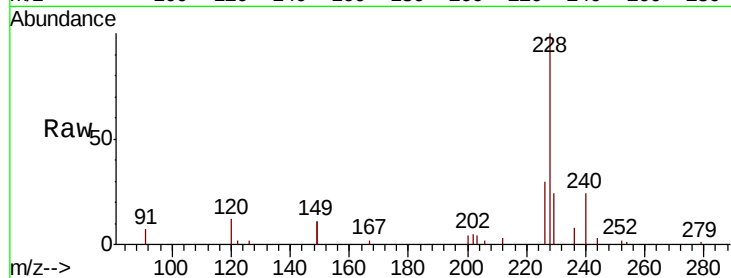
Tgt Ion:228 Resp: 24163

Ion Ratio Lower Upper

228 100

226 29.8 23.0 34.4

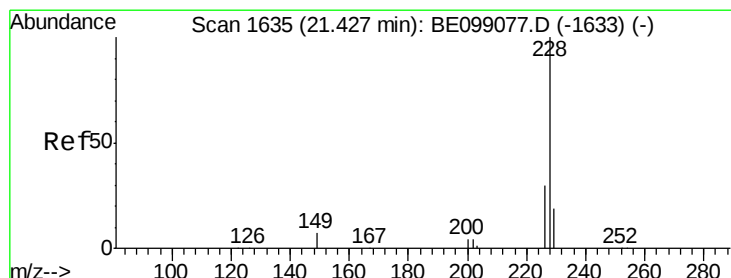
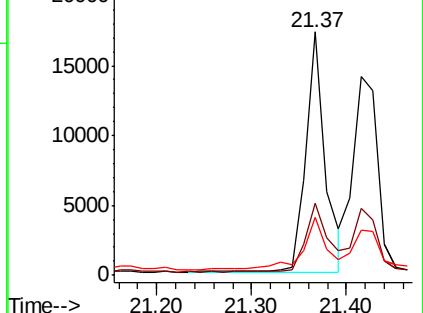
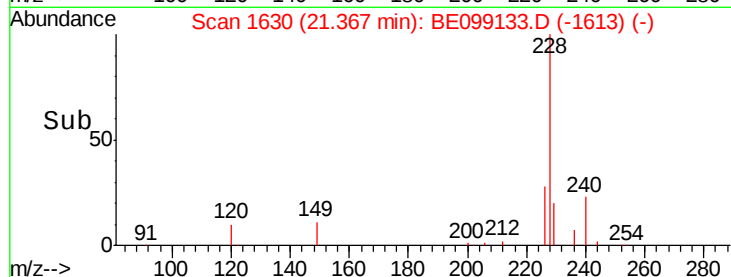
229 23.8 16.5 24.7



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: 0.179 ng

RT: 21.42 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

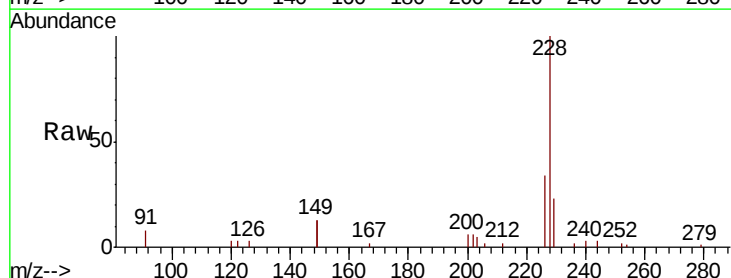
Tgt Ion:228 Resp: 24732

Ion Ratio Lower Upper

228 100

226 33.7 23.7 35.5

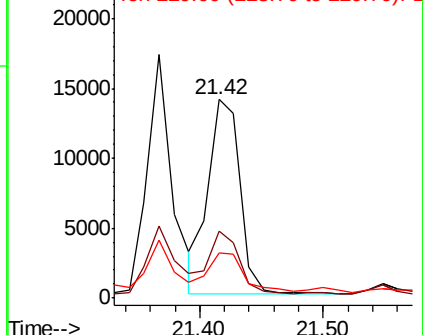
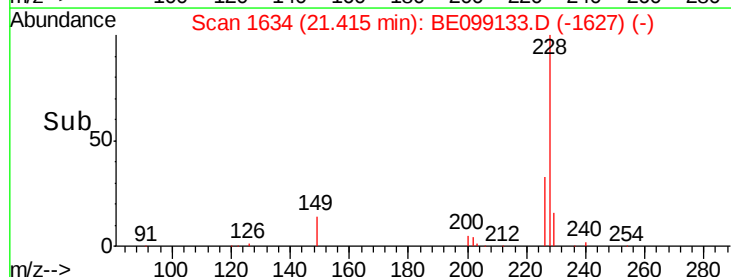
229 22.6 16.1 24.1

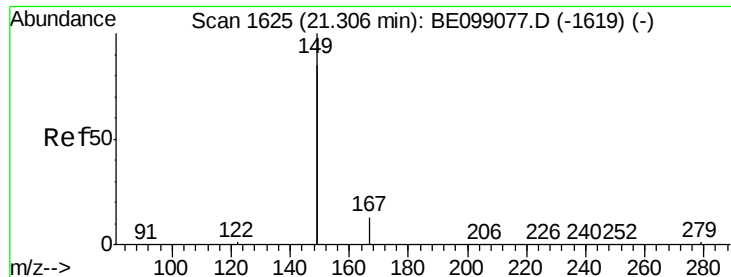


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.177 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819

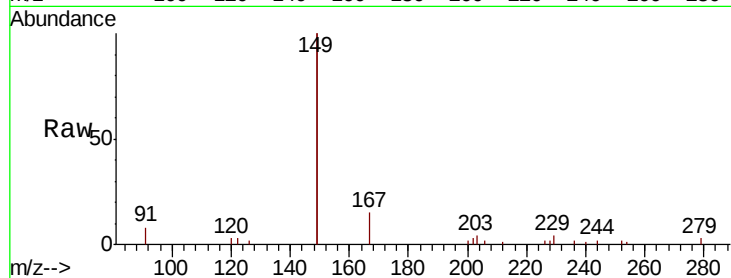
Tgt Ion:149 Resp: 31624

Ion Ratio Lower Upper

149 100

167 7.7 5.4 8.0

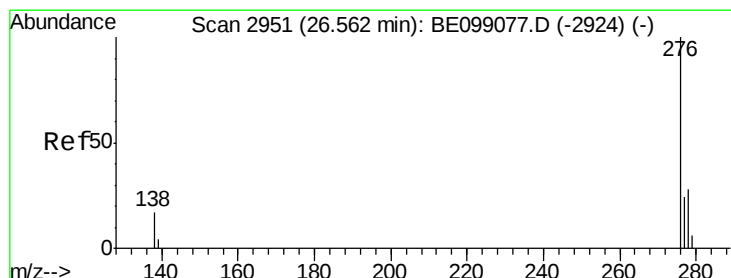
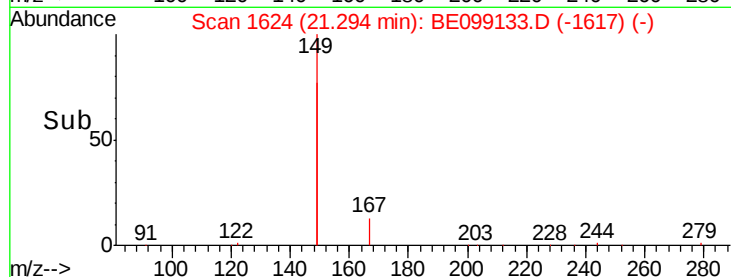
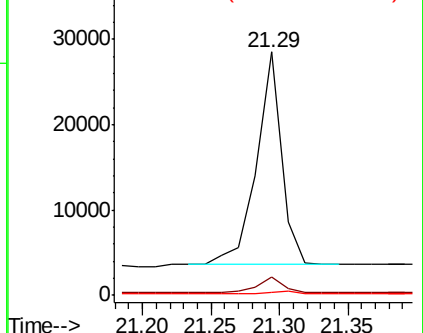
279 1.4 1.0 1.4#



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: 0.091 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

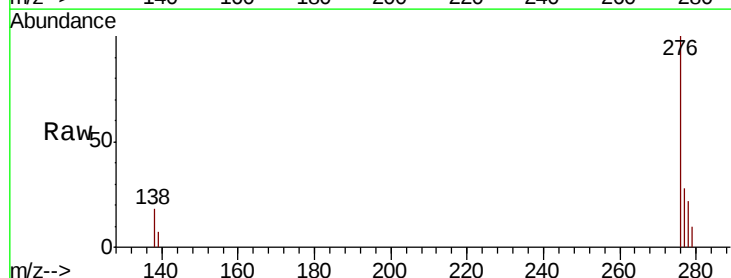
Tgt Ion:276 Resp: 13422

Ion Ratio Lower Upper

276 100

138 15.5 13.8 20.8

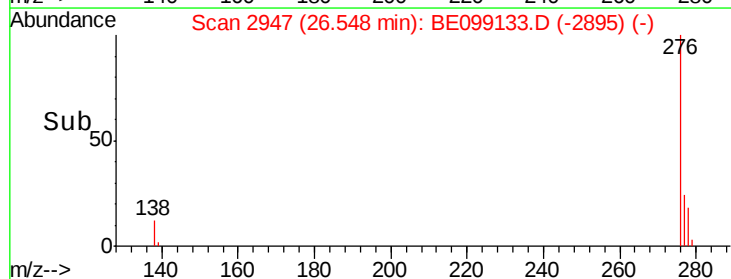
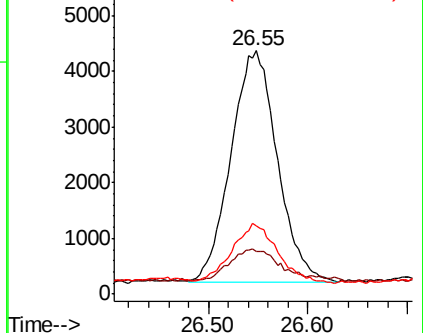
277 25.9 19.5 29.3

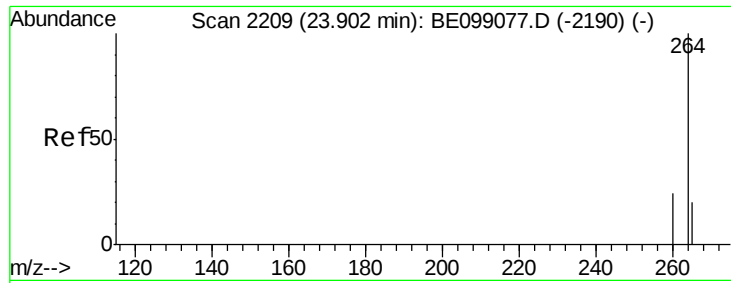


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

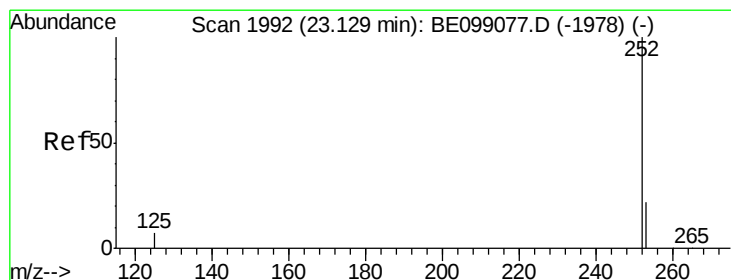
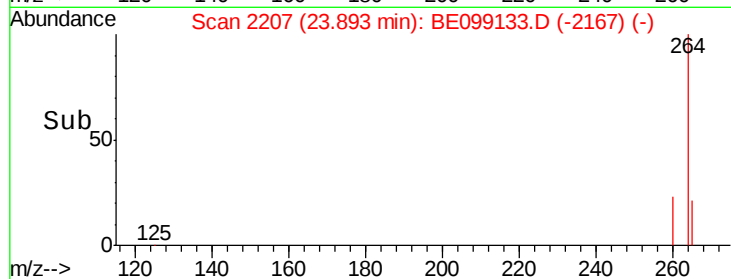
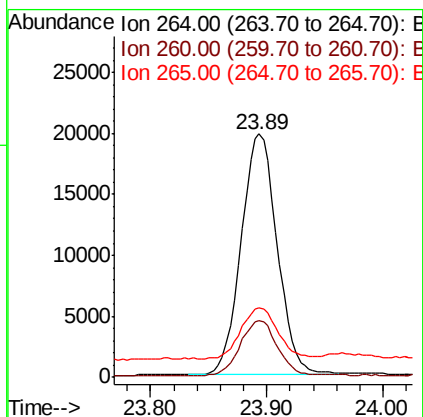
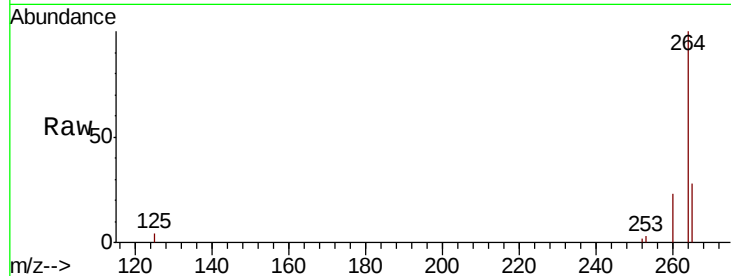




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: BE099133.D
 Acq: 24 Mar 2019 4:59

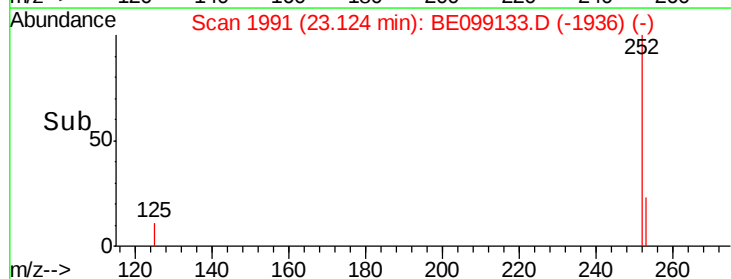
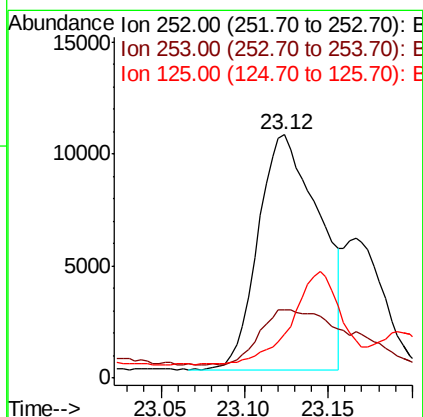
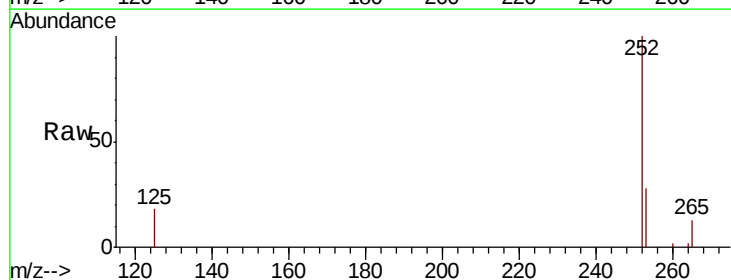
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW075-031819

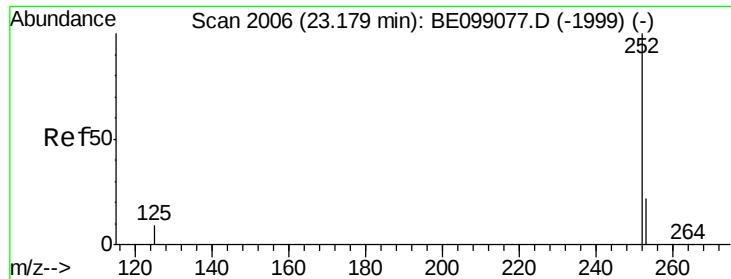
Tgt Ion: 264 Resp: 42649
 Ion Ratio Lower Upper
 264 100
 260 23.1 21.2 31.8
 265 28.5 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.182 ng
 RT: 23.12 min Scan# 1991
 Delta R.T. -0.01 min
 Lab File: BE099133.D
 Acq: 24 Mar 2019 4:59

Tgt Ion: 252 Resp: 26870
 Ion Ratio Lower Upper
 252 100
 253 28.2 18.2 27.2#
 125 17.8 7.3 10.9#





#36

Benzo(k)fluoranthene

Concen: 0.186 ng

RT: 23.12 min Scan# 1991

Delta R.T. -0.05 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819

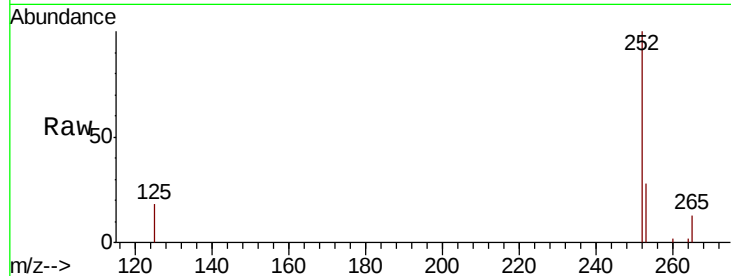
Tgt Ion:252 Resp: 26870

Ion Ratio Lower Upper

252 100

253 28.2 19.3 28.9

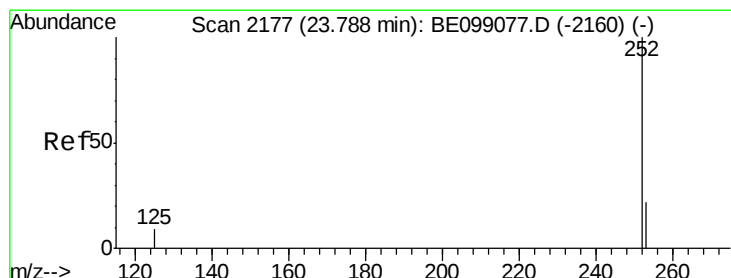
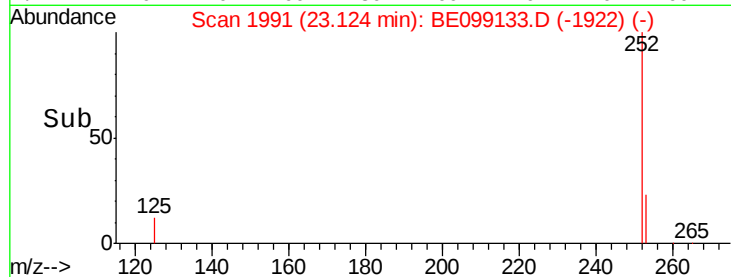
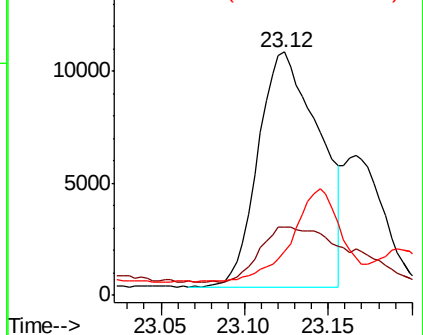
125 17.8 7.5 11.3#



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: 0.155 ng

RT: 23.78 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

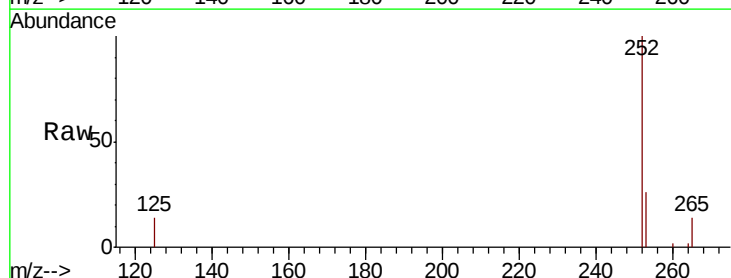
Tgt Ion:252 Resp: 21187

Ion Ratio Lower Upper

252 100

253 25.9 19.9 29.9

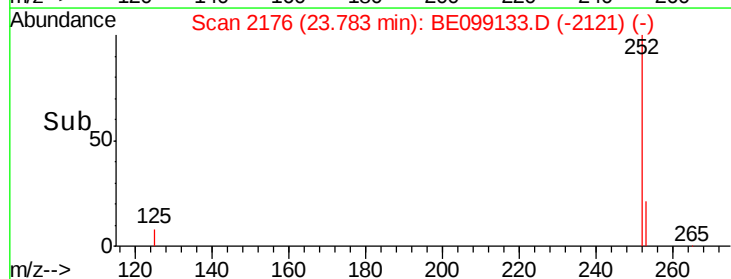
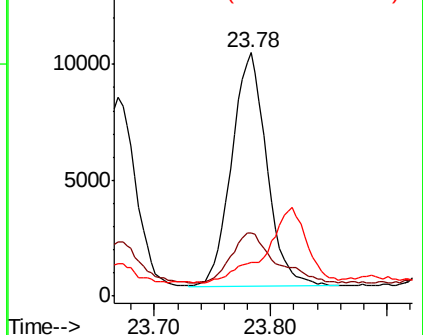
125 13.7 9.0 13.4#

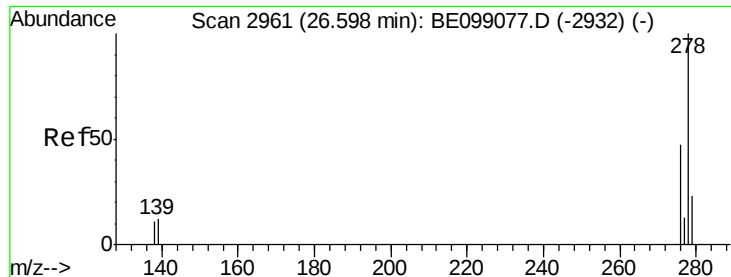


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.029 ng

RT: 26.57 min Scan# 2954

Delta R.T. -0.03 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

Instrument :

BNA_E

ClientSampleId :

PST-026-SW075-031819

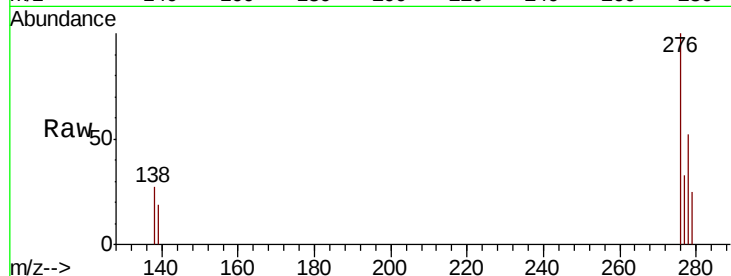
Tgt Ion: 278 Resp: 3801

Ion Ratio Lower Upper

278 100

139 36.3 11.8 17.6#

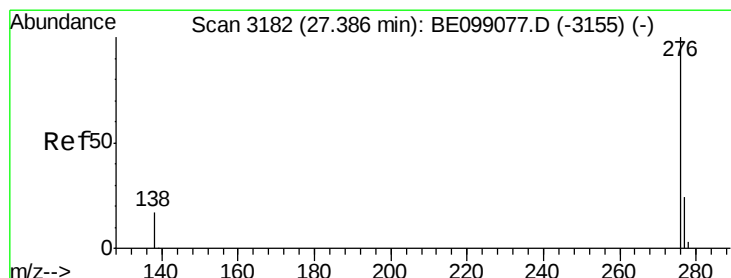
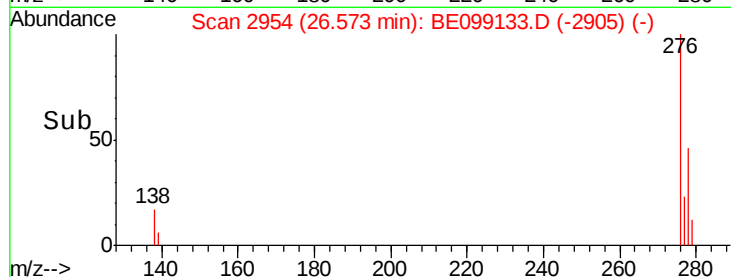
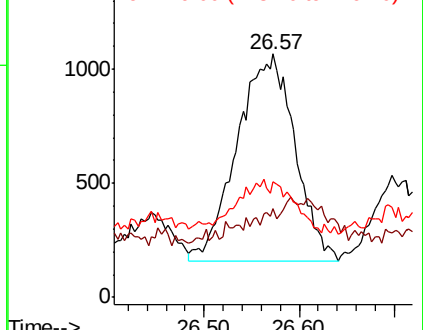
279 47.7 21.1 31.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.112 ng

RT: 27.36 min Scan# 3175

Delta R.T. -0.03 min

Lab File: BE099133.D

Acq: 24 Mar 2019 4:59

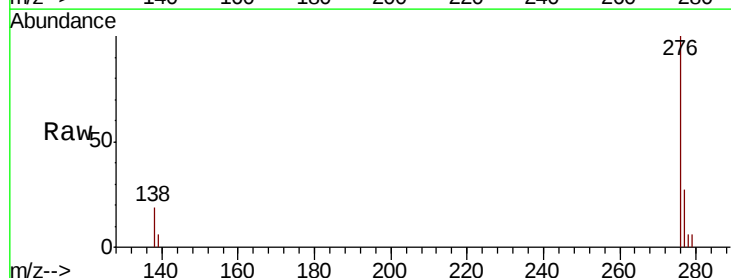
Tgt Ion: 276 Resp: 15264

Ion Ratio Lower Upper

276 100

277 27.1 20.4 30.6

138 19.2 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

