

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
 Data File : BE099431.D
 Acq On : 30 Apr 2019 18:00
 Operator : JU/SJ
 Sample : K2587-16MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B162-042319MS

Quant Time: Apr 30 23:58:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	2621	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	9104	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5959	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	16999	0.40	ng	0.00
27) Chrysene-d12	21.36	240	25125	0.40	ng	0.00
34) Perylene-d12	23.86	264	33626	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2169	0.30	ng	0.00
5) Phenol-d6	6.96	99	2978	0.31	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2444	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5718	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1057	0.28	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	6044	0.27	ng	-0.02
25) Fluoranthene-d10	19.21	212	55943	0.24	ng	0.00
29) Terphenyl-d14	19.81	244	11170	0.24	ng	0.00

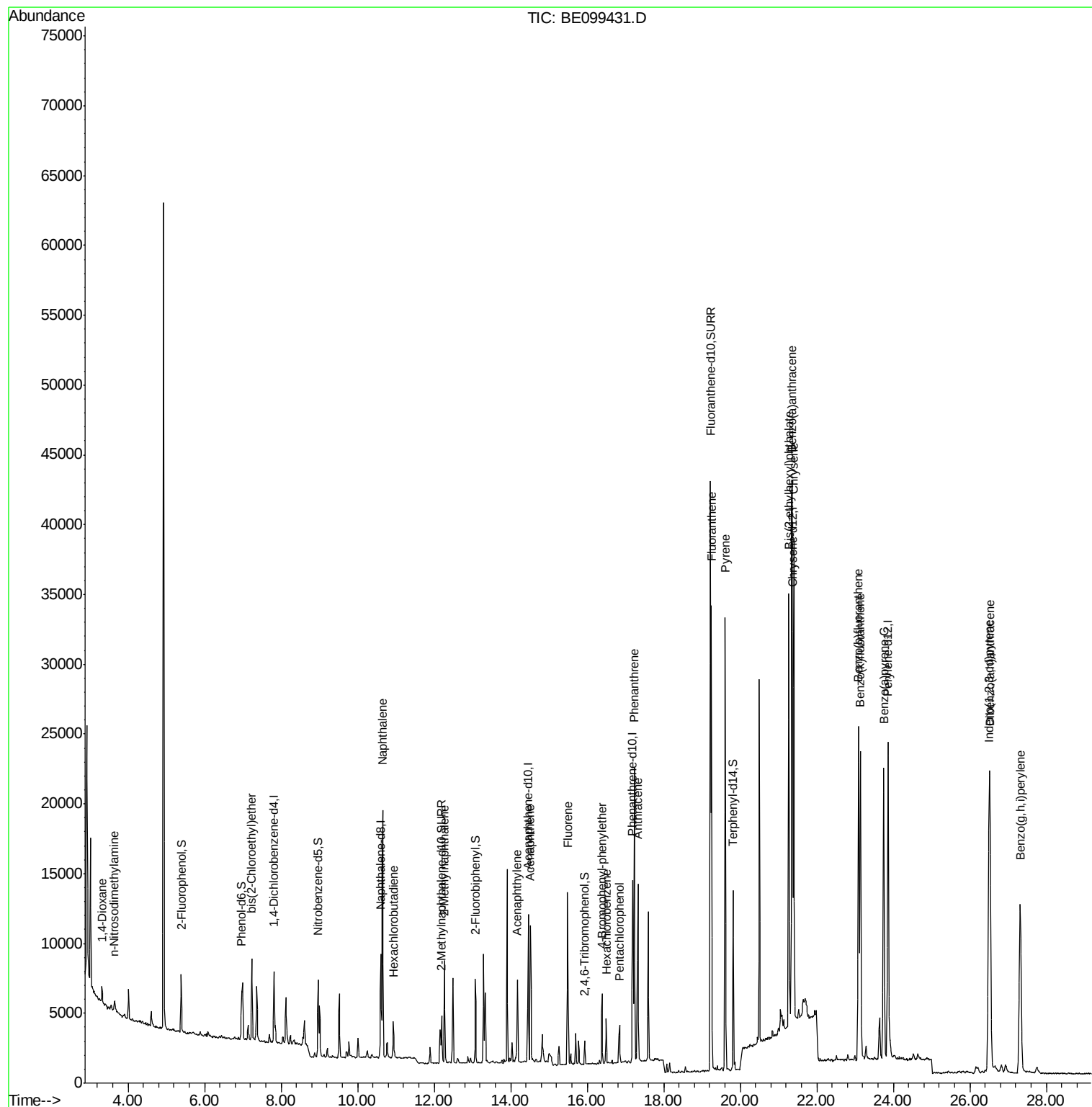
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	799	0.222	ng	# 31
3) n-Nitrosodimethylamine	3.64	42	568	0.261	ng	# 1
6) bis(2-Chloroethyl)ether	7.23	93	2313	0.278	ng	97
9) Naphthalene	10.65	128	29359	0.296	ng	100
10) Hexachlorobutadiene	10.93	225	1782	0.258	ng	98
12) 2-Methylnaphthalene	12.27	142	4791	0.278	ng	95
16) Acenaphthylene	14.17	152	8469	0.290	ng	99
17) Acenaphthene	14.51	154	4926	0.296	ng	99
18) Fluorene	15.49	166	7214	0.294	ng	98
20) 4-Bromophenyl-phenylether	16.39	248	2753	0.278	ng	# 87
21) Hexachlorobenzene	16.49	284	2636	0.279	ng	97
22) Pentachlorophenol	16.84	266	1511	0.482	ng	97
23) Phenanthrene	17.23	178	20907	0.477	ng	99
24) Anthracene	17.32	178	13564	0.324	ng	99
26) Fluoranthene	19.25	202	31711	0.483	ng	99
28) Pyrene	19.61	202	30736	0.469	ng	97
30) Benzo(a)anthracene	21.34	228	33081	0.413	ng	98
31) Chrysene	21.40	228	32823	0.419	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	37122	0.257	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.50	276	37208	0.402	ng	100
35) Benzo(b)fluoranthene	23.09	252	35586	0.367	ng	97
36) Benzo(k)fluoranthene	23.14	252	32155	0.344	ng	99
37) Benzo(a)pyrene	23.75	252	34131	0.372	ng	99
38) Dibenzo(a,h)anthracene	26.52	278	28227	0.301	ng	99
39) Benzo(g,h,i)perylene	27.32	276	32268	0.343	ng	98

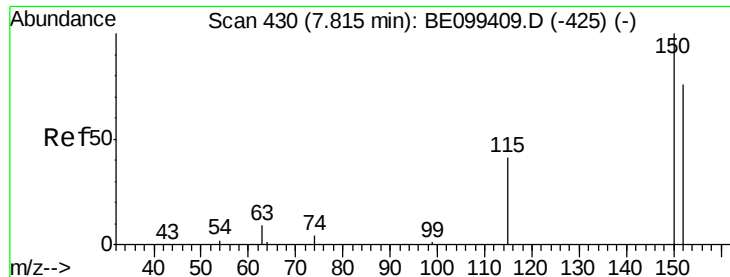
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

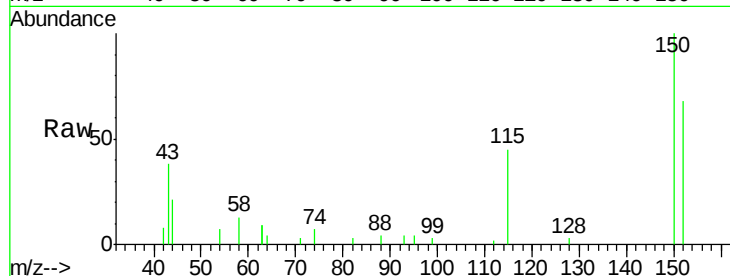
Tot Ion:152 Resp: 2621

Ion Ratio Lower Upper

152 100

150 146.0 104.8 157.2

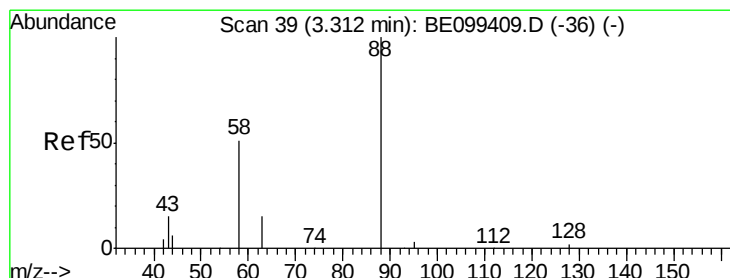
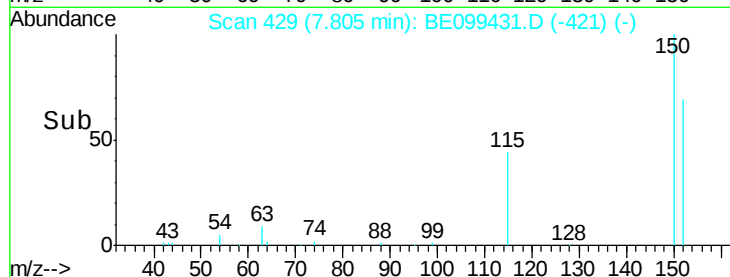
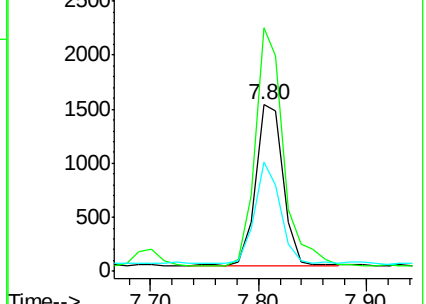
115 65.5 46.6 69.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.222 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

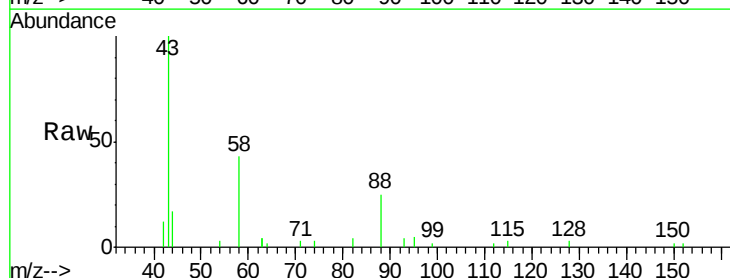
Tgt Ion: 88 Resp: 799

Ion Ratio Lower Upper

88 100

58 77.1 51.0 76.6#

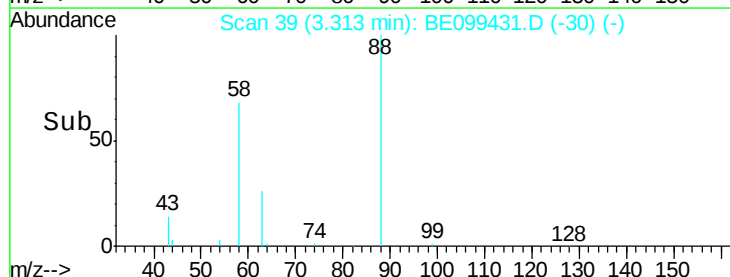
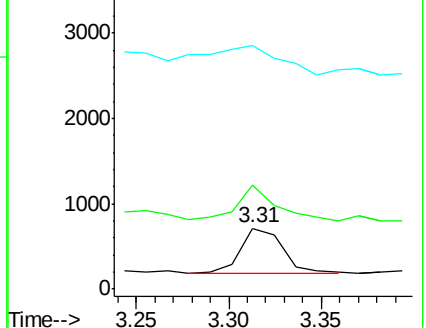
43 126.3 20.6 30.8#

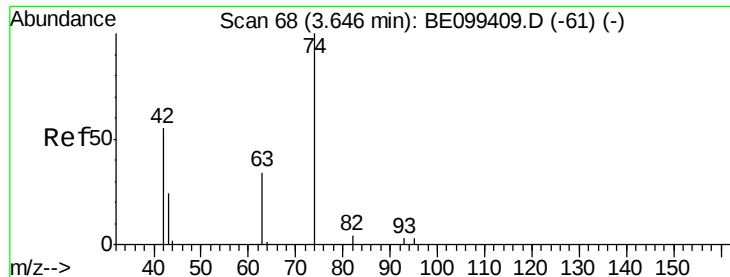


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.261 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

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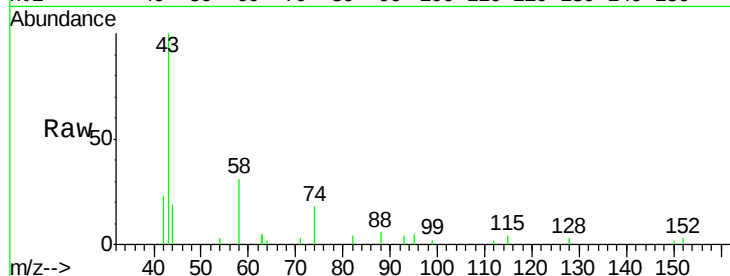
Tot Ion: 42 Resp: 568

Ion Ratio Lower Upper

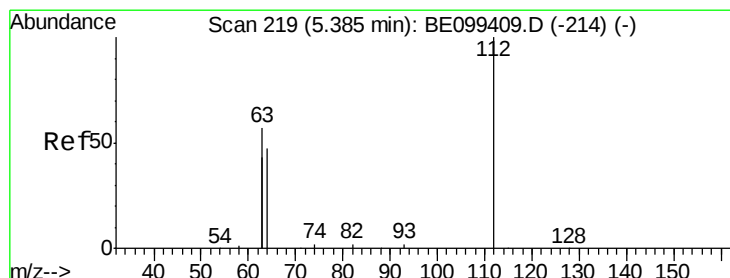
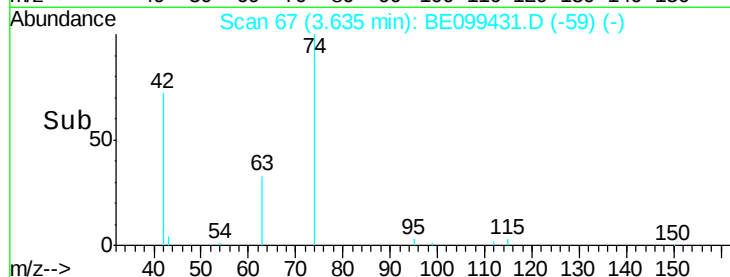
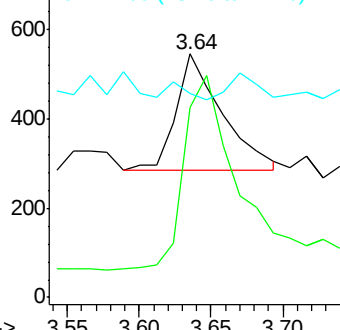
42 100

74 0.0 141.6 212.4#

44 6.2 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: 0.299 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

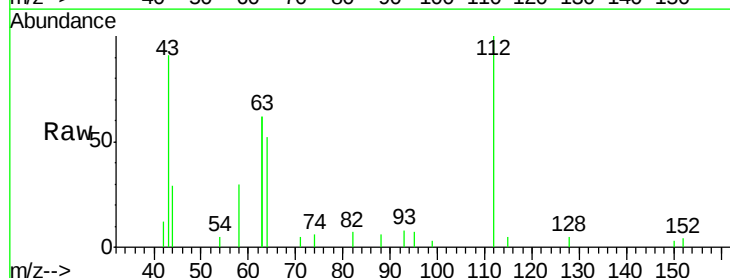
Tgt Ion: 112 Resp: 2169

Ion Ratio Lower Upper

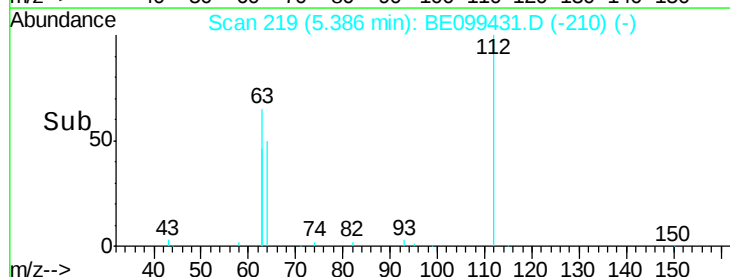
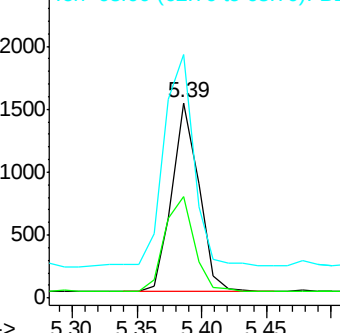
112 100

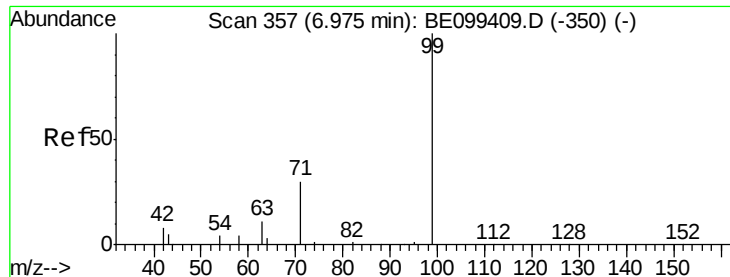
64 55.9 47.4 71.0

63 126.8 104.3 156.5



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: 0.309 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

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PST-004-B162-042319MS

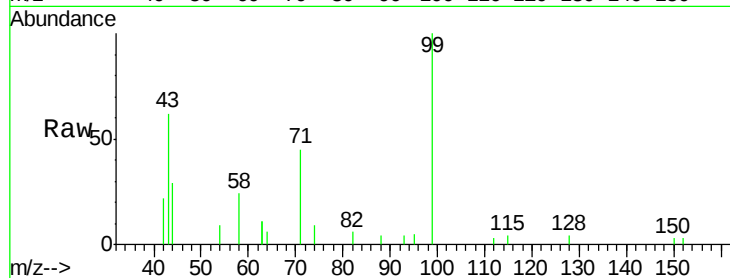
Tot Ion: 99 Resp: 2978

Ion Ratio Lower Upper

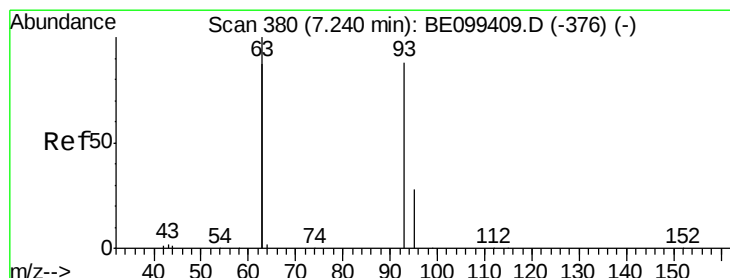
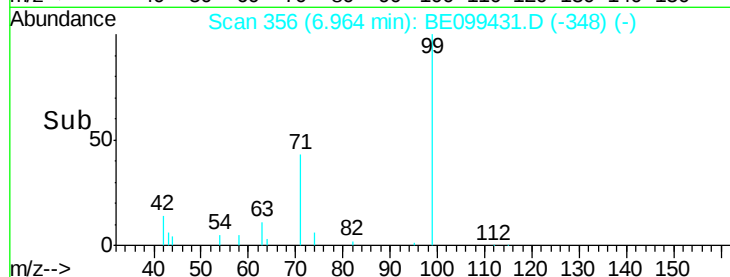
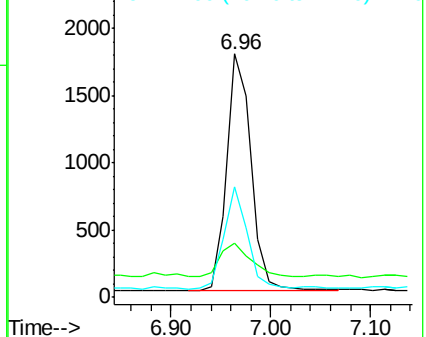
99 100

42 17.8 14.9 22.3

71 41.4 33.0 49.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.278 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

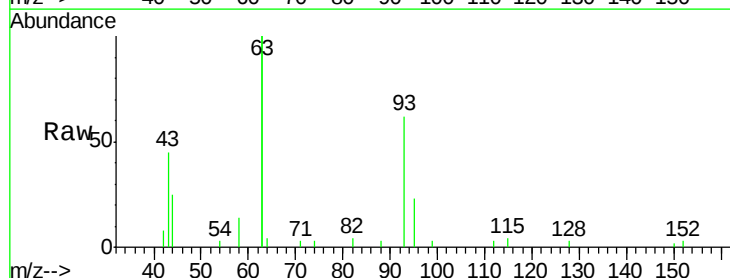
Tgt Ion: 93 Resp: 2313

Ion Ratio Lower Upper

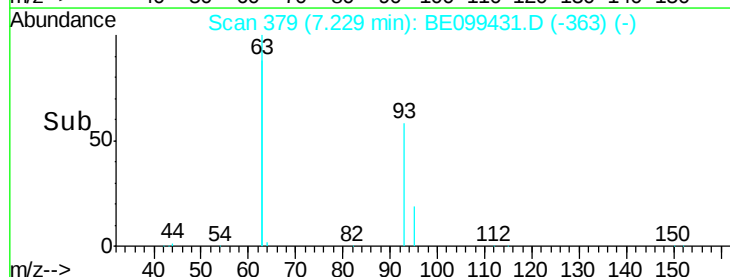
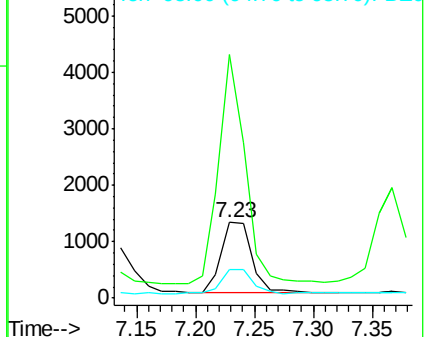
93 100

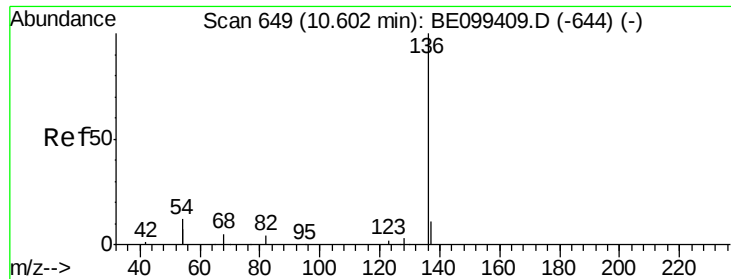
63 274.9 215.6 323.4

95 33.8 26.2 39.2



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

Tot Ion:136 Resp: 9104

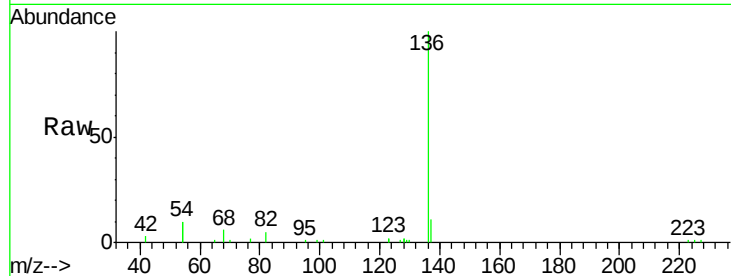
Ion Ratio Lower Upper

136 100

137 11.2 9.8 14.8

54 20.1 18.5 27.7

68 5.8 4.7 7.1

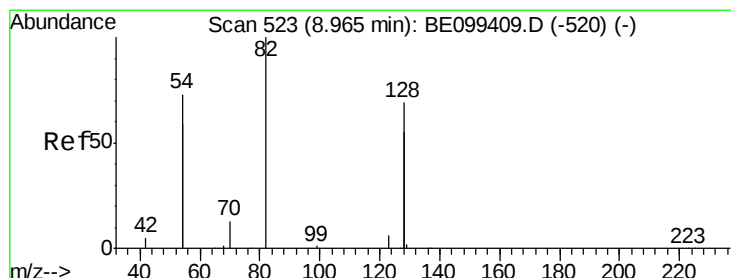
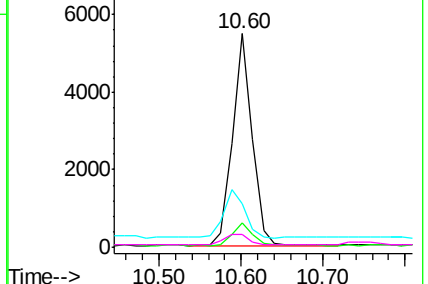
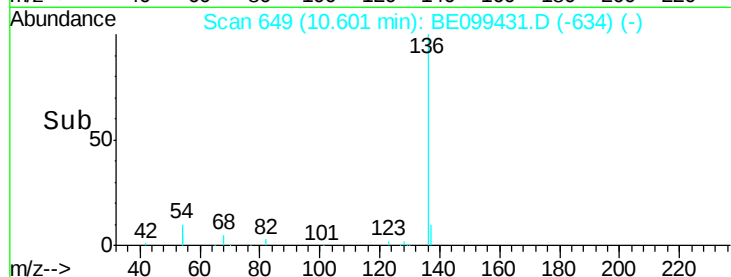


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.286 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

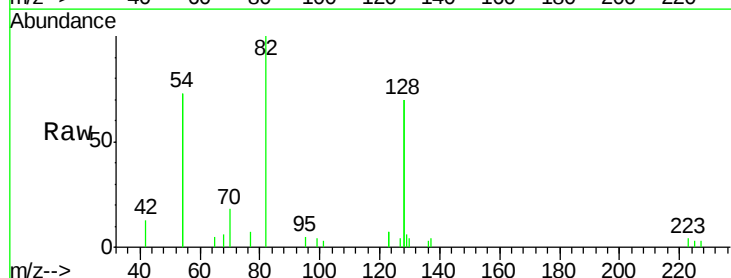
Tgt Ion: 82 Resp: 2444

Ion Ratio Lower Upper

82 100

128 140.4 107.0 160.4

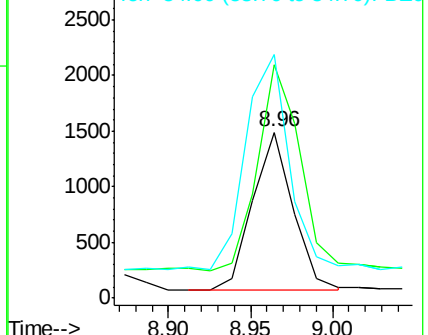
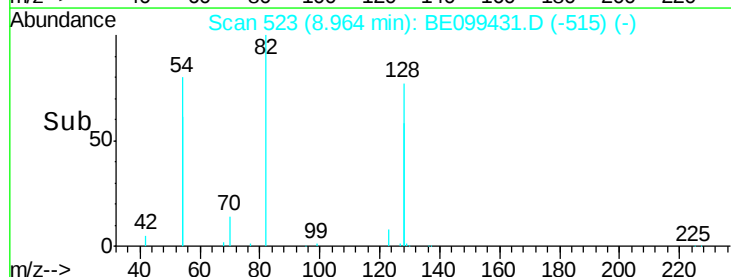
54 146.7 113.1 169.7

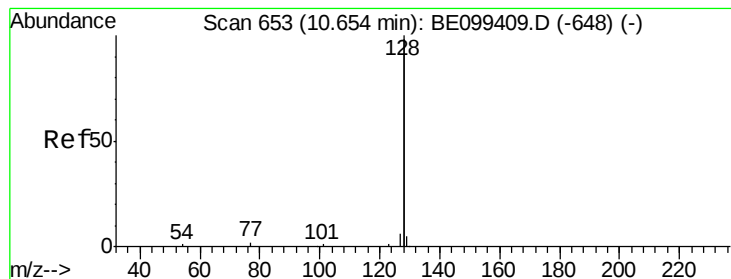


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.296 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

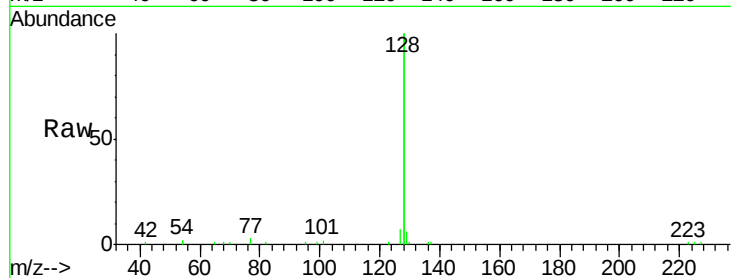
Tot Ion:128 Resp: 29359

Ion Ratio Lower Upper

128 100

129 2.8 2.4 3.6

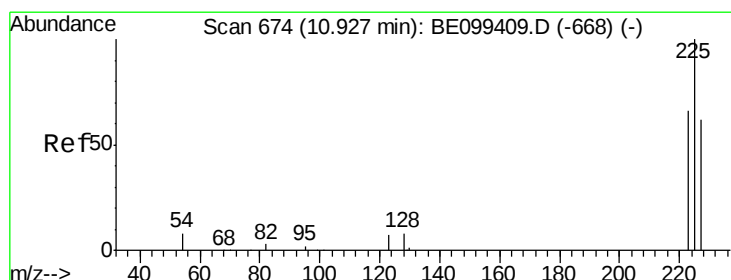
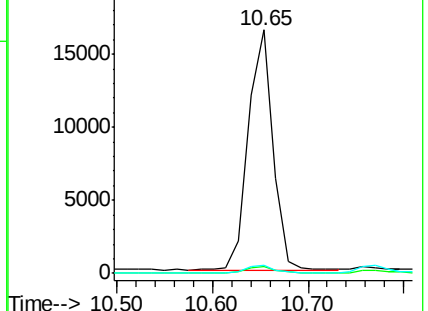
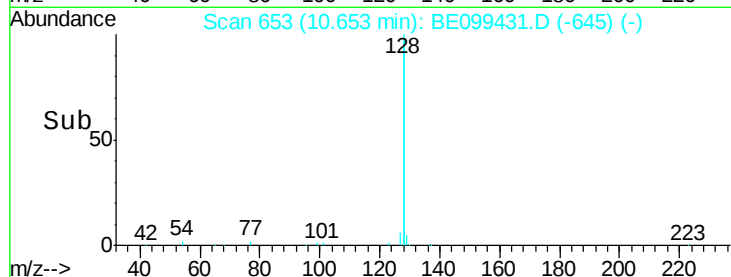
127 3.5 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.258 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

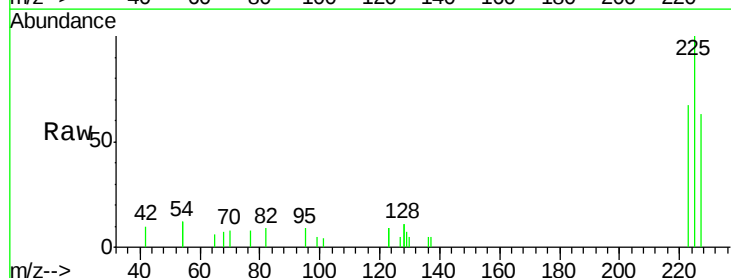
Tgt Ion:225 Resp: 1782

Ion Ratio Lower Upper

225 100

223 60.5 51.0 76.6

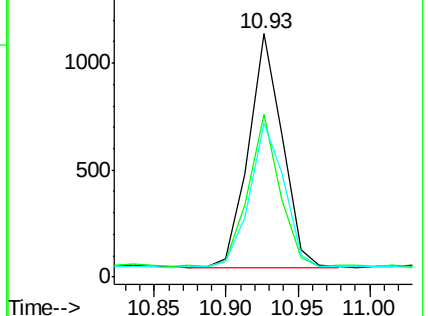
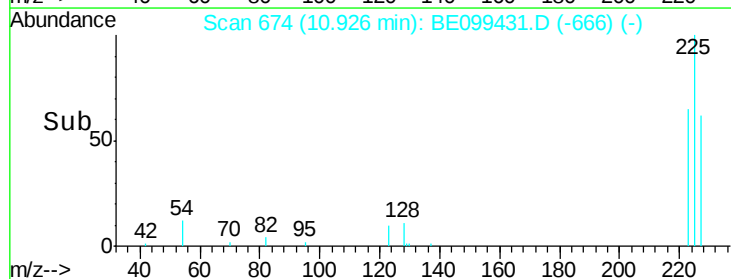
227 63.0 50.9 76.3

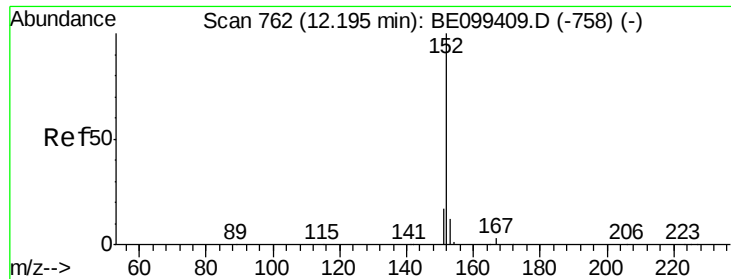


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

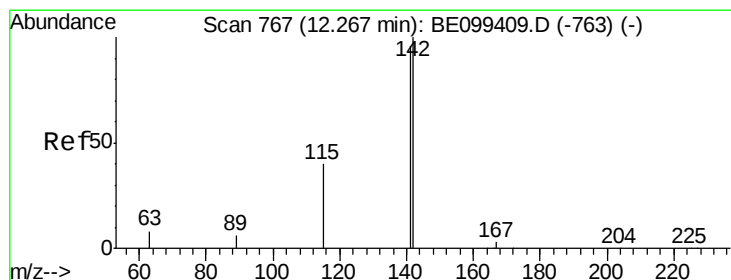
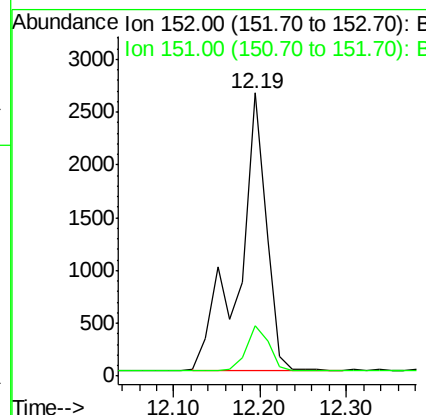
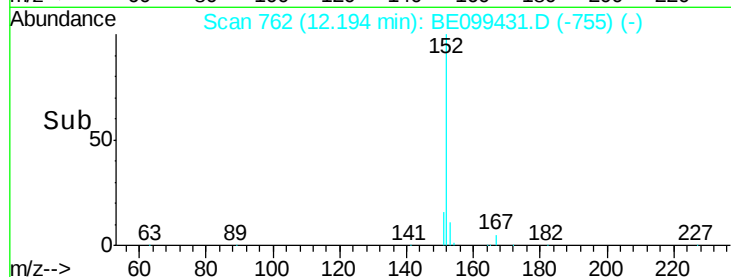
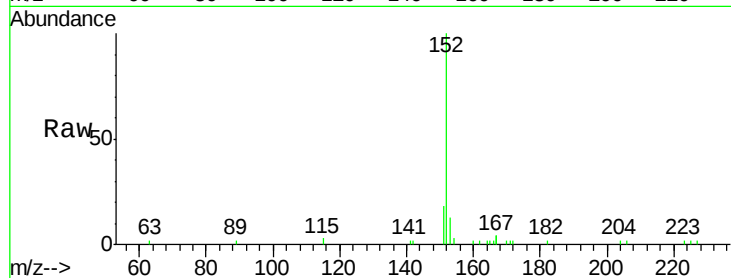




#11
 2-Methylnaphthalene-d10
 Concen: 0.349 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099431.D
 Acq: 30 Apr 2019 18:00

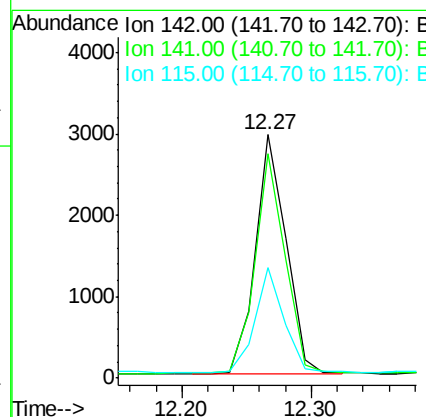
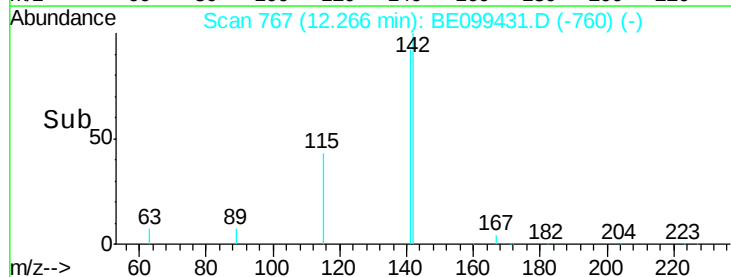
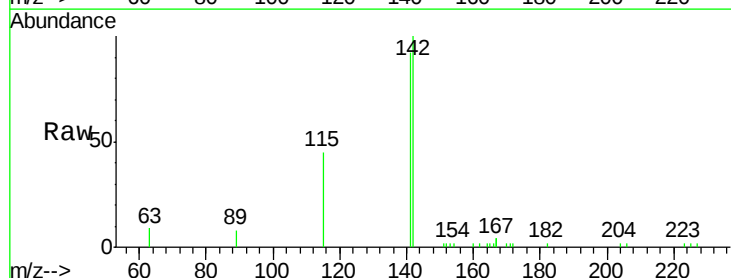
Instrument :
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 PST-004-B162-042319MS

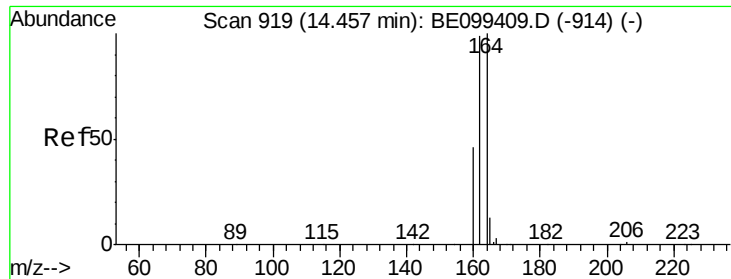
Tot Ion:152 Resp: 5718
 Ion Ratio Lower Upper
 152 100
 151 13.8 15.5 23.3#



#12
 2-Methylnaphthalene
 Concen: 0.278 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099431.D
 Acq: 30 Apr 2019 18:00

Tgt Ion:142 Resp: 4791
 Ion Ratio Lower Upper
 142 100
 141 92.0 77.0 115.4
 115 45.3 33.4 50.0

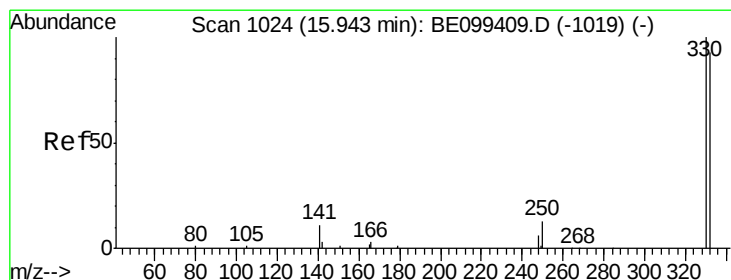
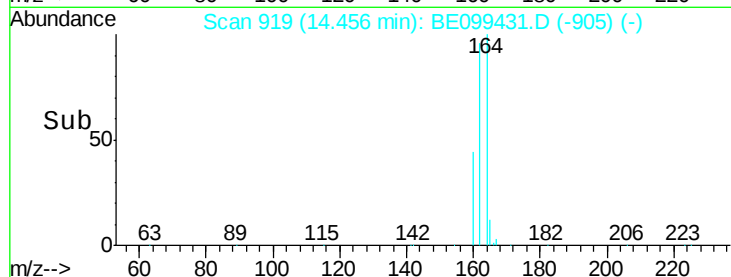
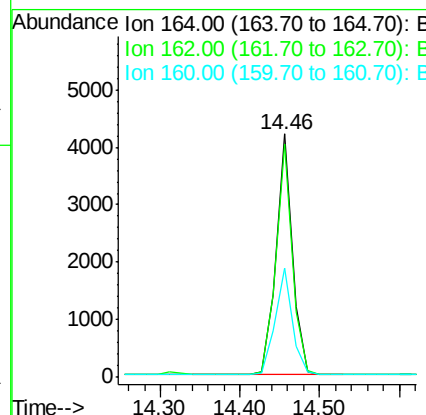
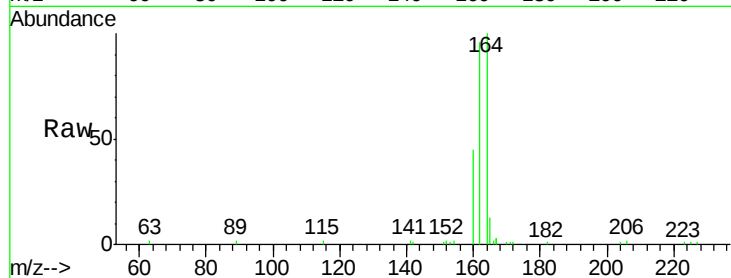




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099431.D
 Acq: 30 Apr 2019 18:00

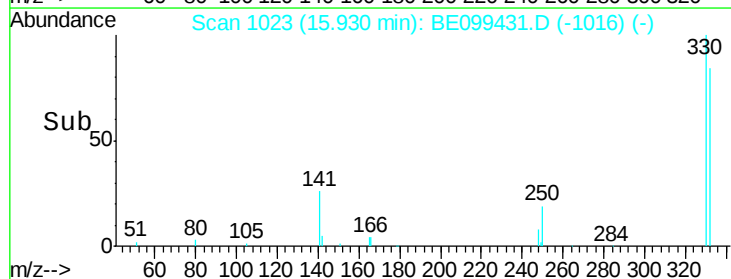
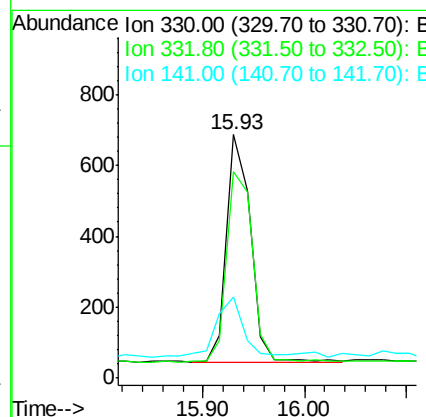
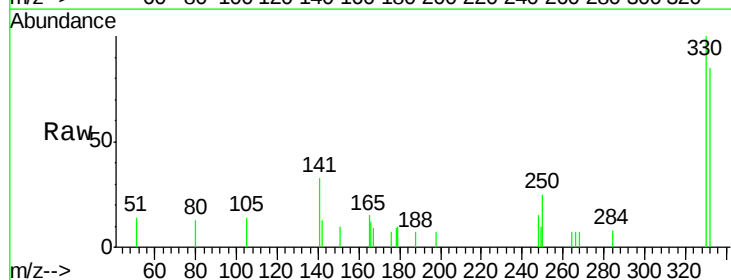
Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B162-042319MS

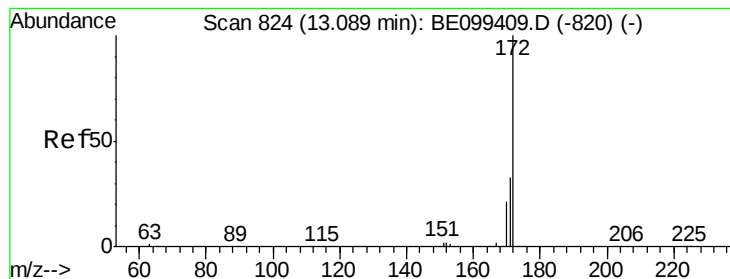
Tot Ion:164 Resp: 5959
 Ion Ratio Lower Upper
 164 100
 162 95.7 79.0 118.4
 160 44.7 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.282 ng
 RT: 15.93 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BE099431.D
 Acq: 30 Apr 2019 18:00

Tgt Ion:330 Resp: 1057
 Ion Ratio Lower Upper
 330 100
 332 89.1 71.5 107.3
 141 28.2 24.0 36.0





#15

2-Fluorobiphenyl

Concen: 0.266 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

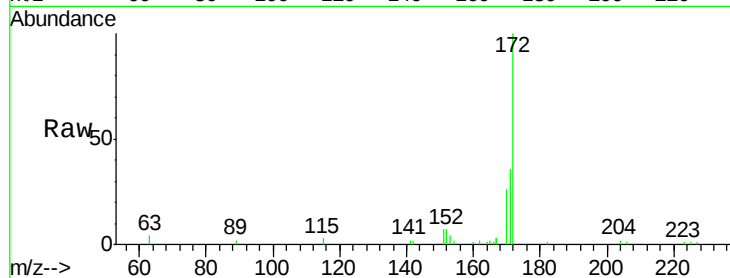
Tot Ion:172 Resp: 6044

Ion Ratio Lower Upper

172 100

171 35.9 26.6 39.8

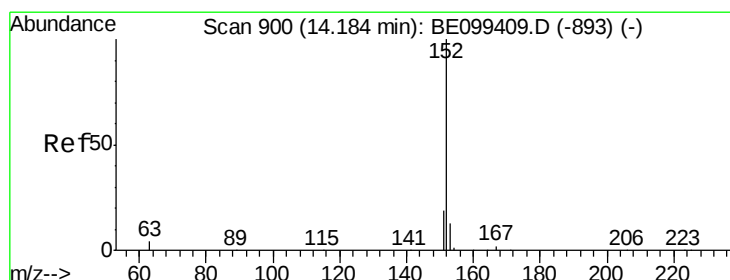
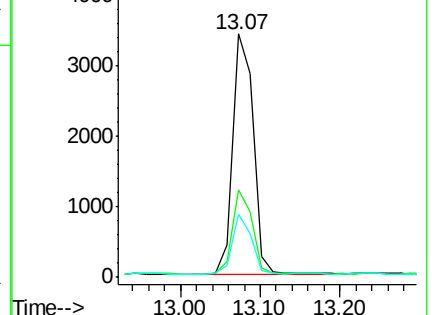
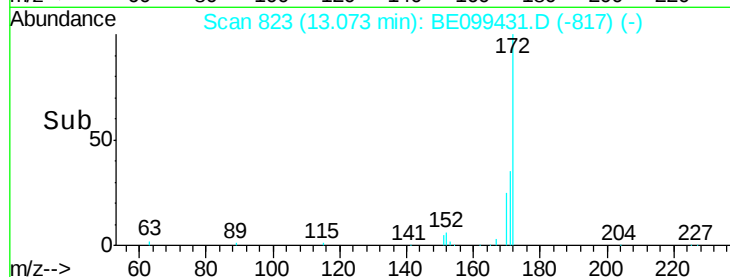
170 25.7 17.0 25.6#



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: 0.290 ng

RT: 14.17 min Scan# 899

Delta R.T. -0.02 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

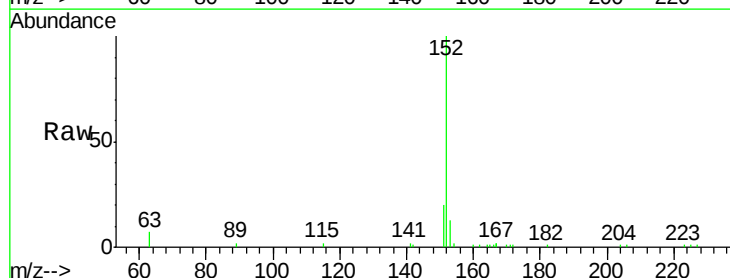
Tgt Ion:152 Resp: 8469

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.2

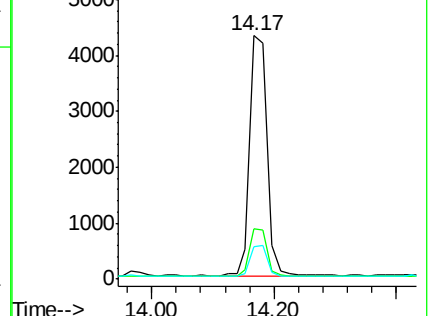
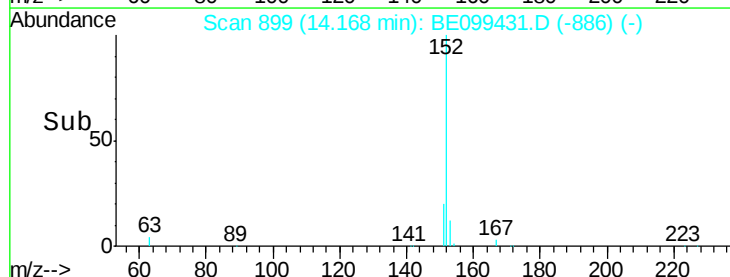
153 12.8 9.8 14.6

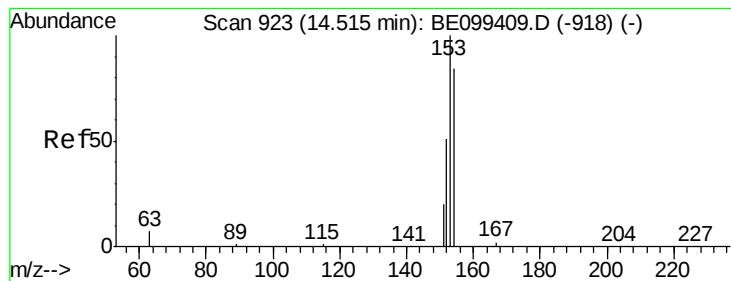


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.296 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

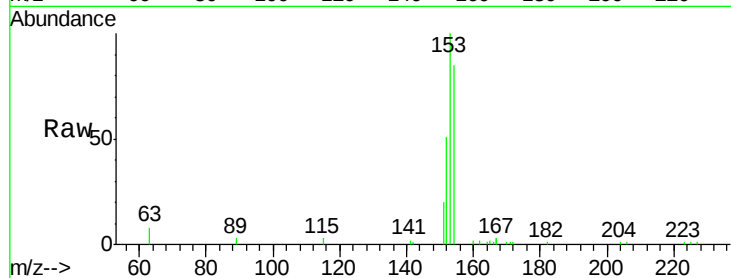
Tot Ion:154 Resp: 4926

Ion Ratio Lower Upper

154 100

153 116.0 92.6 138.8

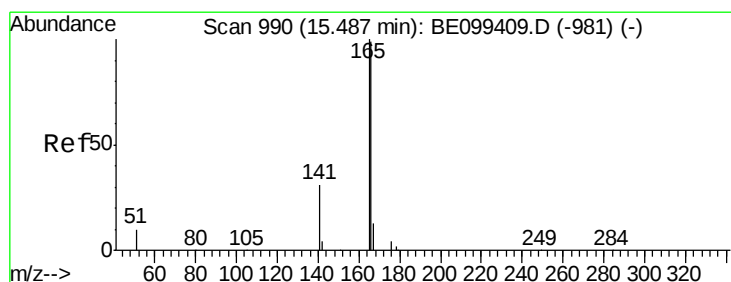
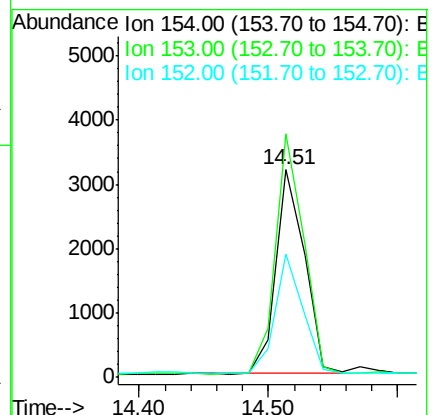
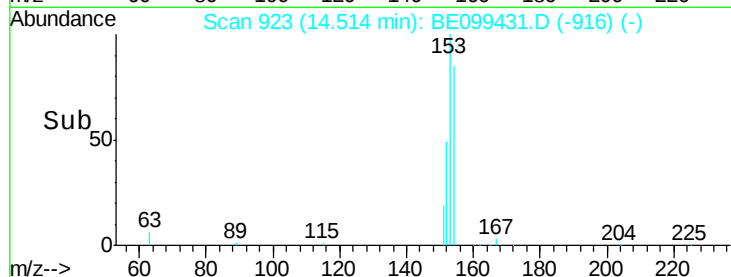
152 56.4 45.8 68.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.294 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

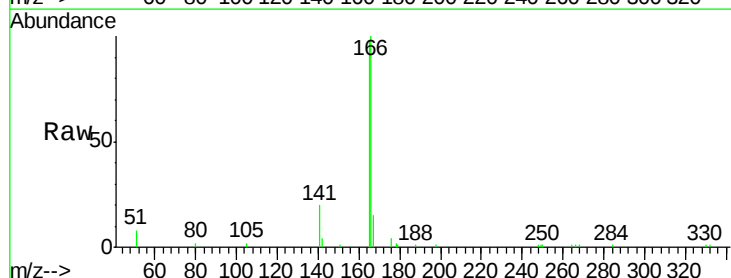
Tgt Ion:166 Resp: 7214

Ion Ratio Lower Upper

166 100

165 98.0 80.3 120.5

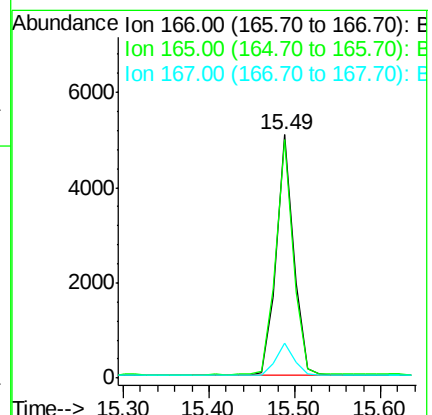
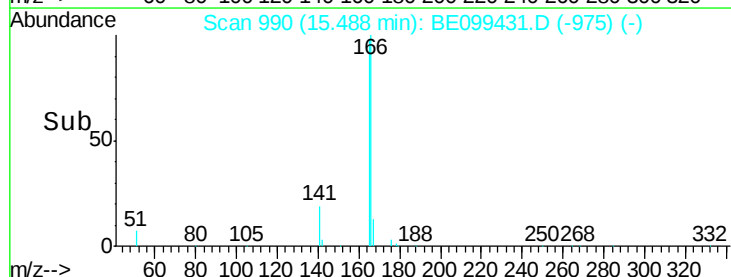
167 14.1 10.7 16.1

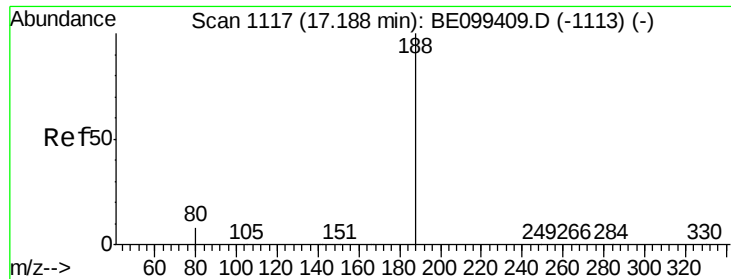


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

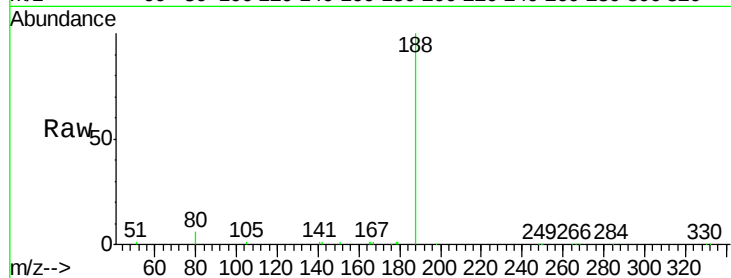
Tot Ion:188 Resp: 16999

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

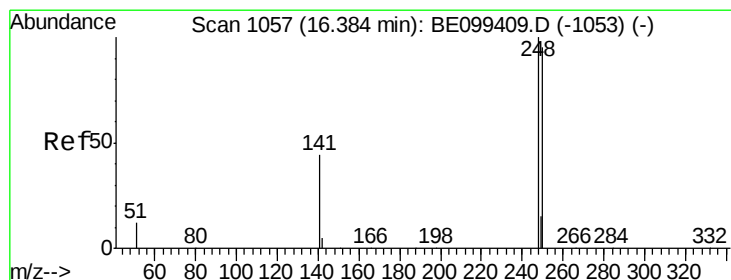
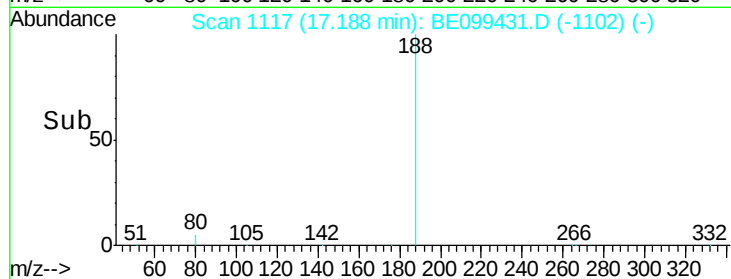
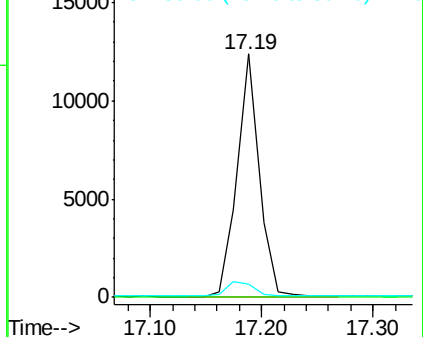
80 5.7 6.7 10.1#



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



#20

4-Bromophenyl-phenylether

Concen: 0.278 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

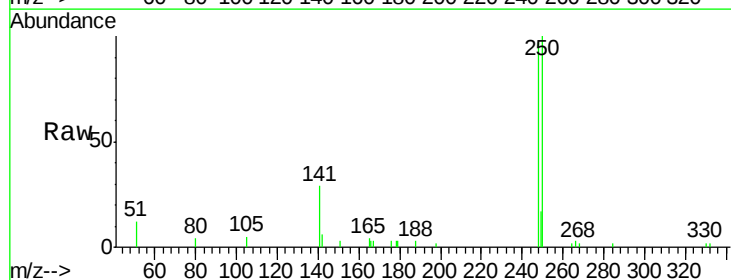
Tgt Ion:248 Resp: 2753

Ion Ratio Lower Upper

248 100

250 103.5 75.8 113.8

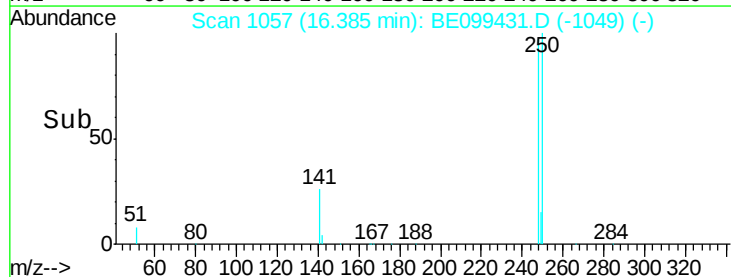
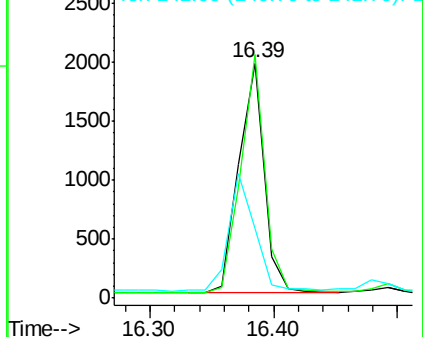
141 29.7 35.7 53.5#

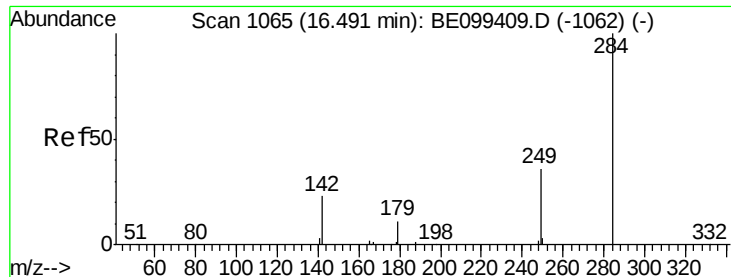


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.279 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

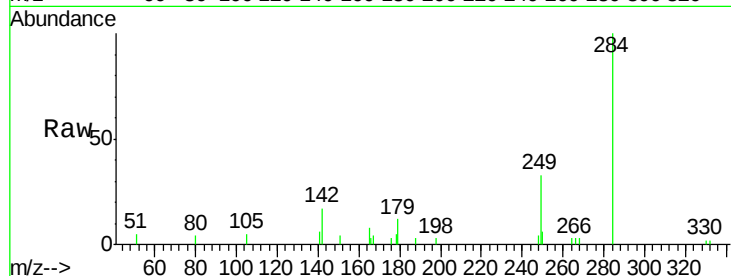
Tot Ion:284 Resp: 2636

Ion Ratio Lower Upper

284 100

142 25.0 21.0 31.6

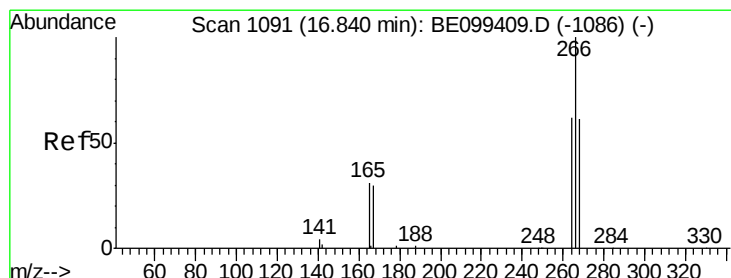
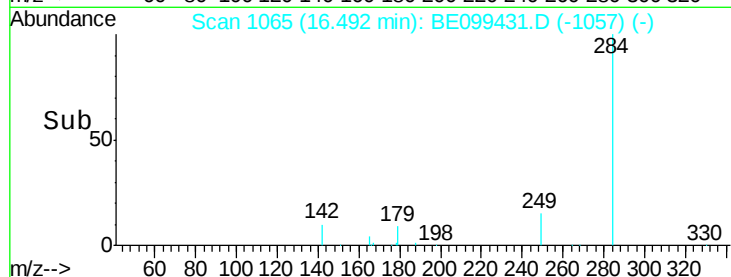
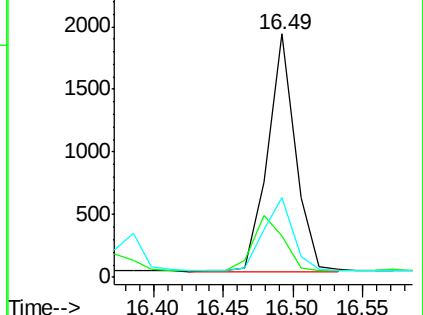
249 31.9 26.7 40.1



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.482 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

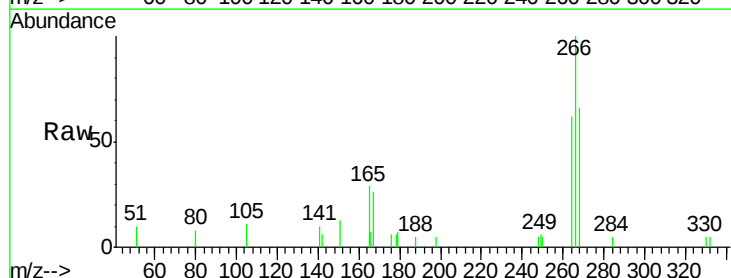
Tgt Ion:266 Resp: 1511

Ion Ratio Lower Upper

266 100

264 61.8 50.8 76.2

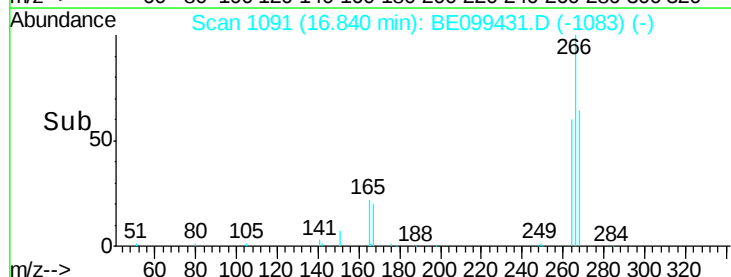
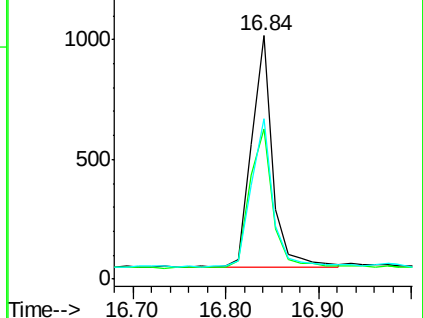
268 66.0 50.5 75.7

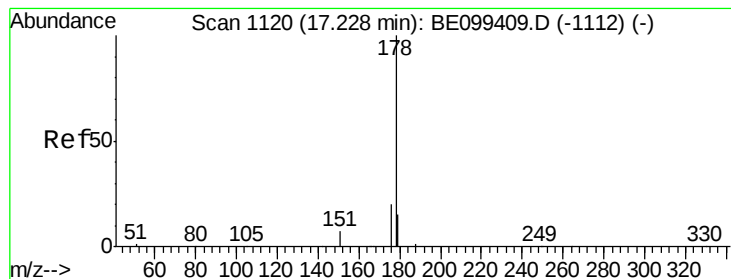


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.477 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

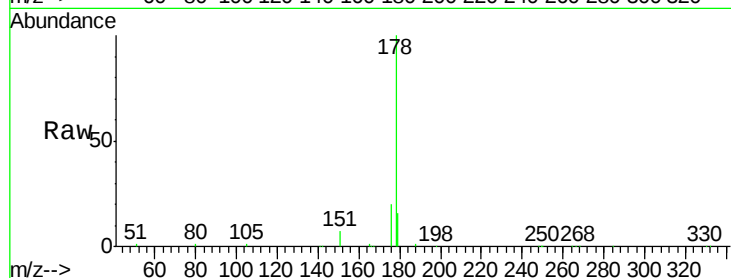
BNA_E

ClientSampleId :

PST-004-B162-042319MS

Tot Ion:178 Resp: 20907

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.6	12.0	18.0

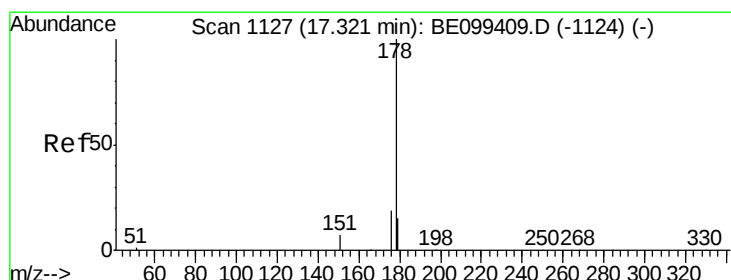
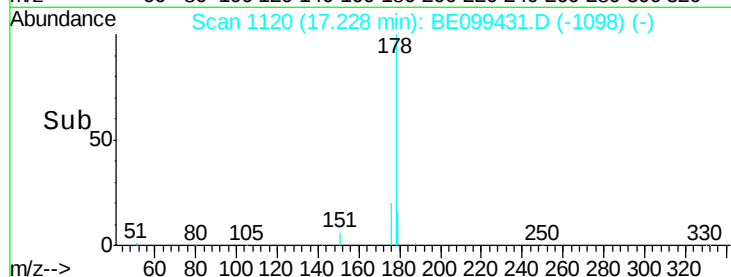
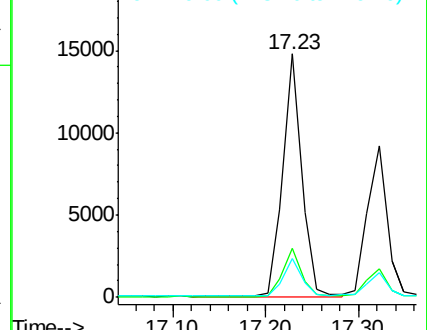


Abundance

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: 0.324 ng

RT: 17.32 min Scan# 1127

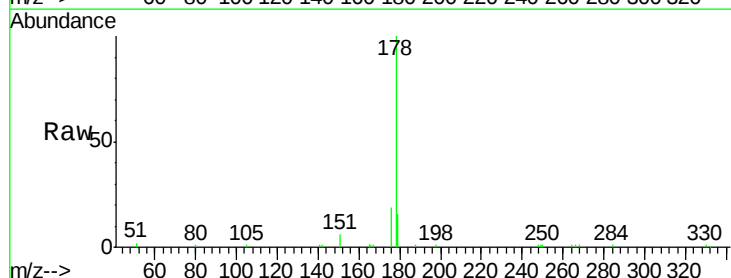
Delta R.T. 0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Tgt Ion:178 Resp: 13564

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.4	11.9	17.9

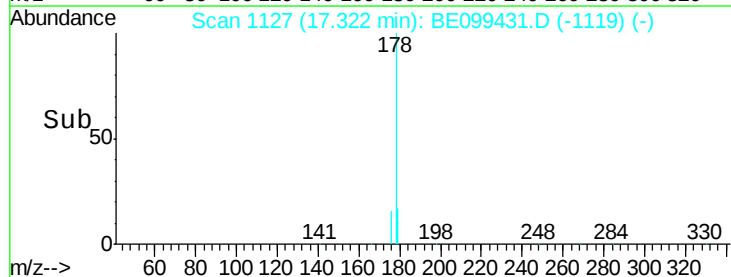
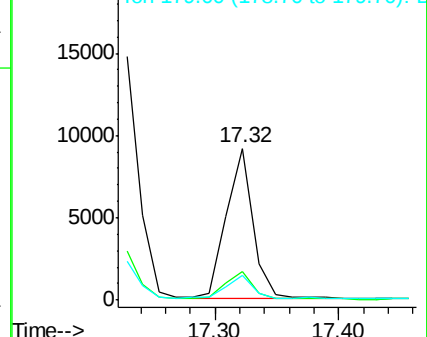


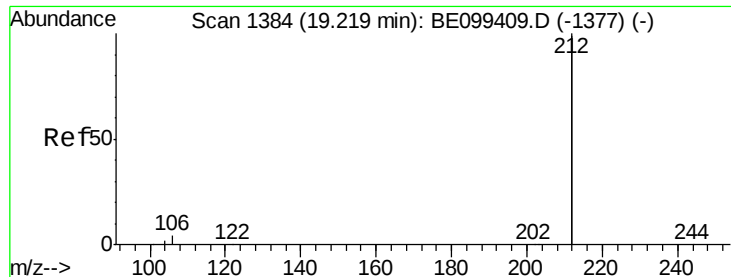
Abundance

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: 0.244 ng

RT: 19.21 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

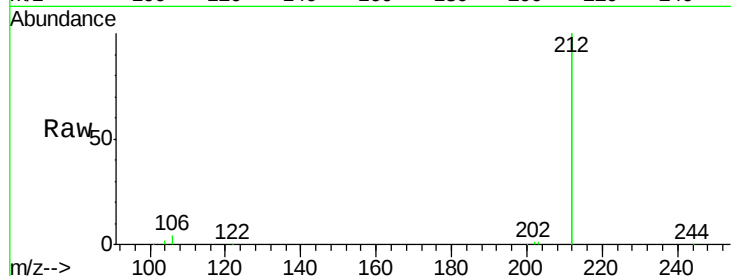
Tot Ion:212 Resp: 55943

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

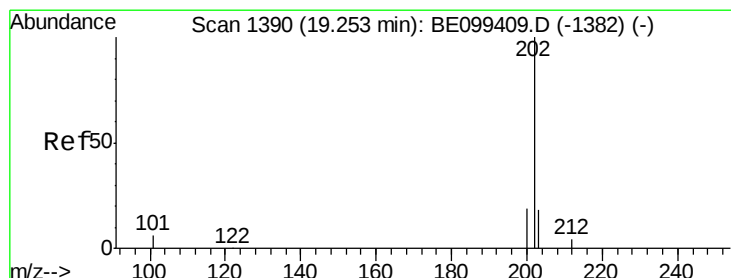
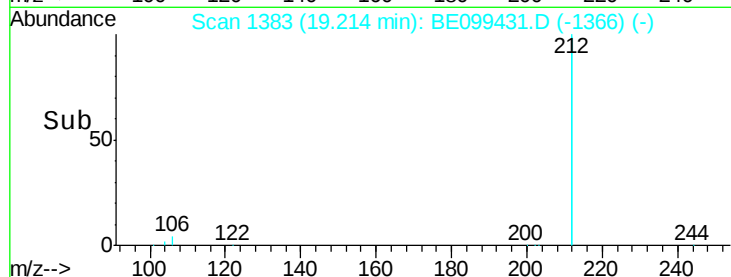
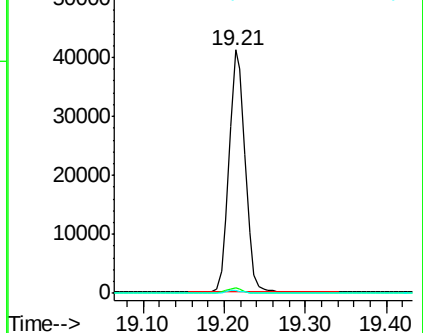
104 1.1 0.9 1.3



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: 0.483 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

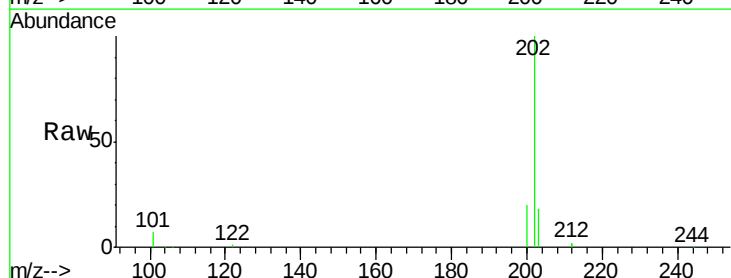
Tgt Ion:202 Resp: 31711

Ion Ratio Lower Upper

202 100

101 7.0 5.4 8.0

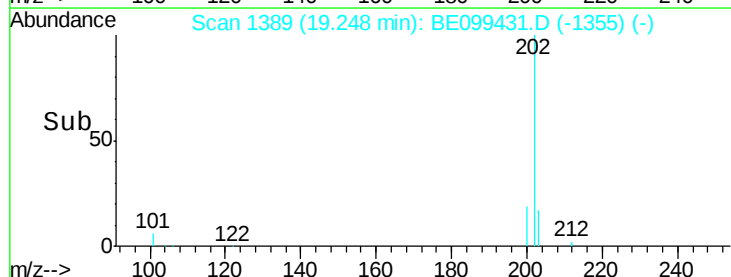
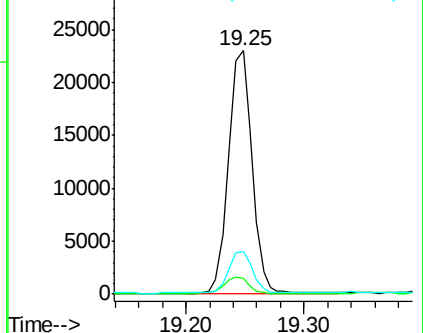
203 17.1 13.9 20.9

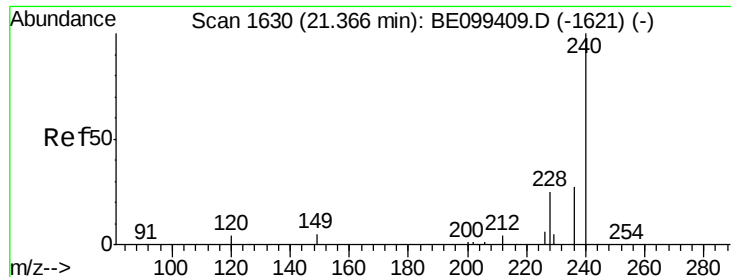


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

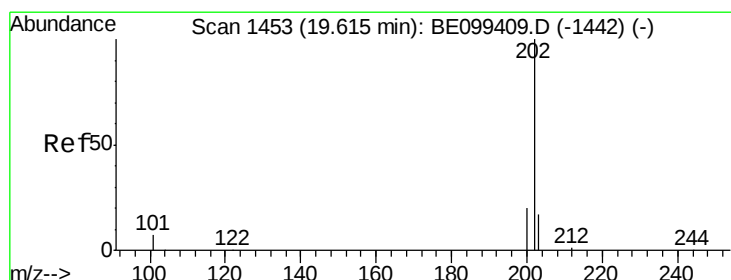
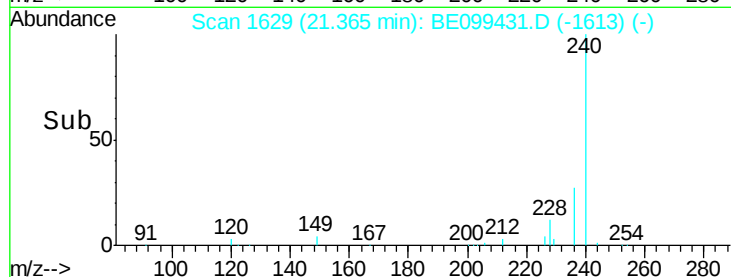
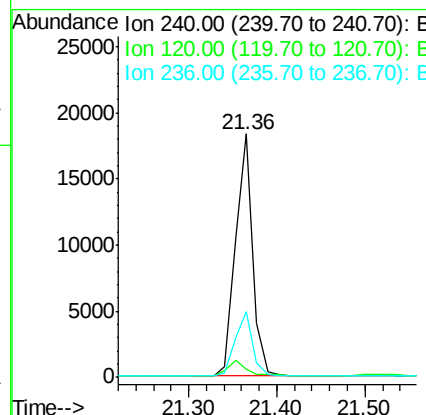
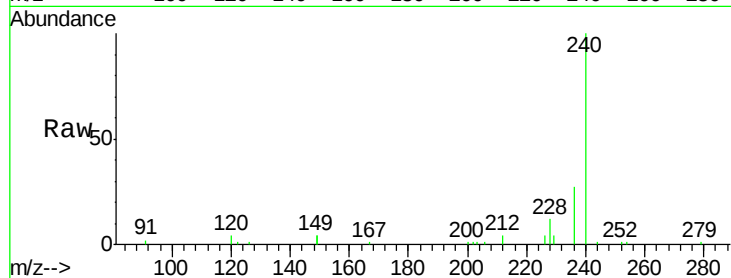




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.36 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

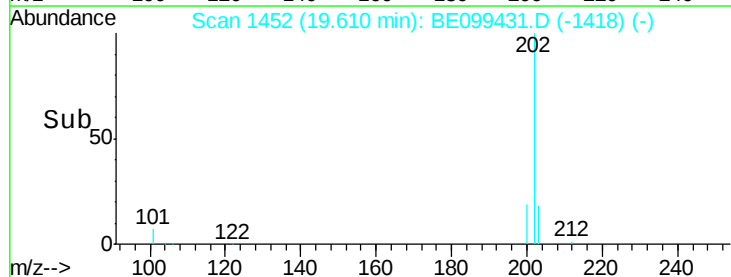
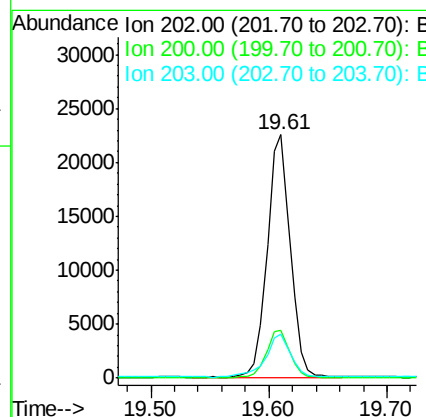
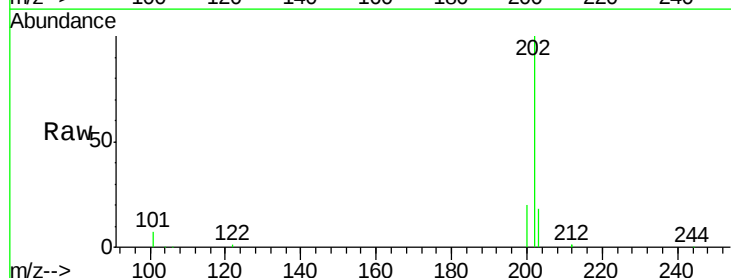
Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MS

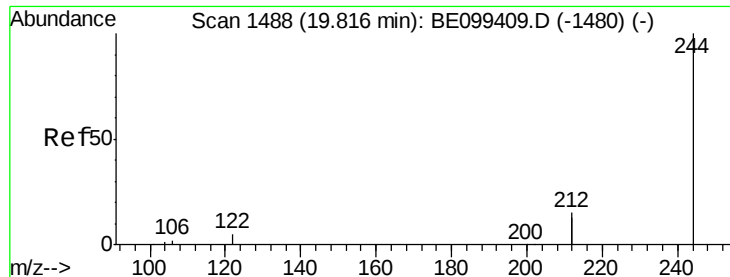
Tot Ion:240 Resp: 25125
Ion Ratio Lower Upper
240 100
120 3.5 4.0 6.0#
236 27.2 22.0 33.0



#28
Pyrene
Concen: 0.469 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099431.D
Acq: 30 Apr 2019 18:00

Tgt Ion:202 Resp: 30736
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 19.5 13.9 20.9





#29

Terphenyl-d14

Concen: 0.243 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

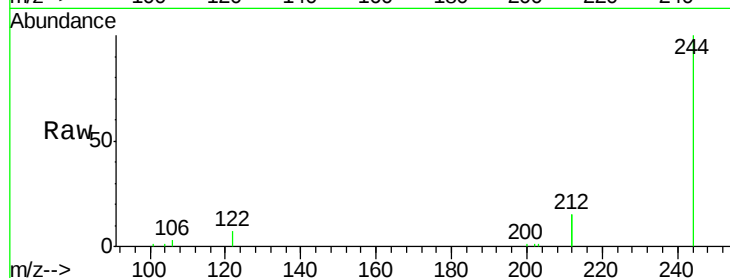
Tot Ion:244 Resp: 11170

Ion Ratio Lower Upper

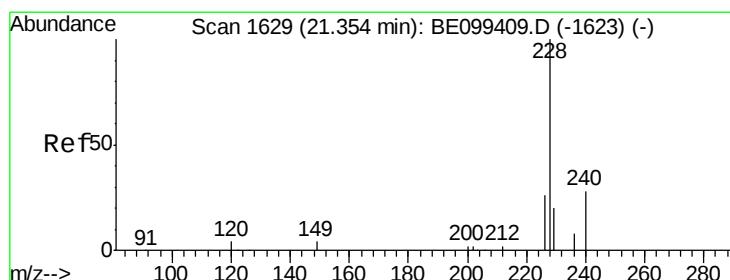
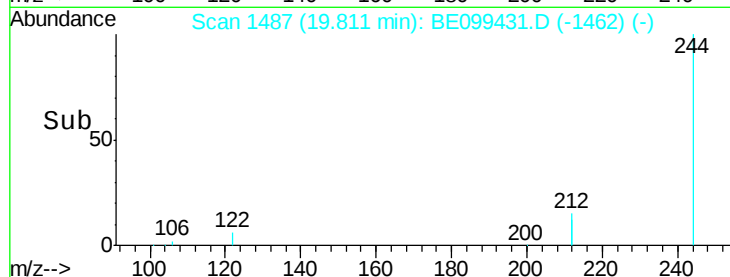
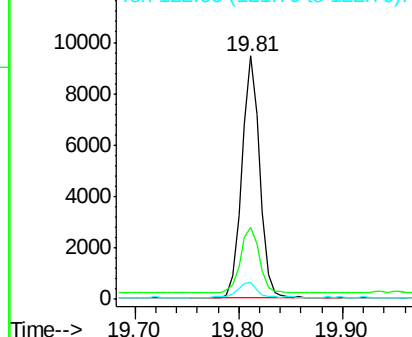
244 100

212 29.8 23.2 34.8

122 7.3 4.2 6.4#



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: 0.413 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

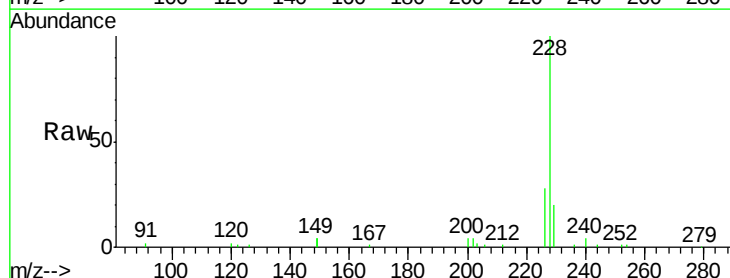
Tgt Ion:228 Resp: 33081

Ion Ratio Lower Upper

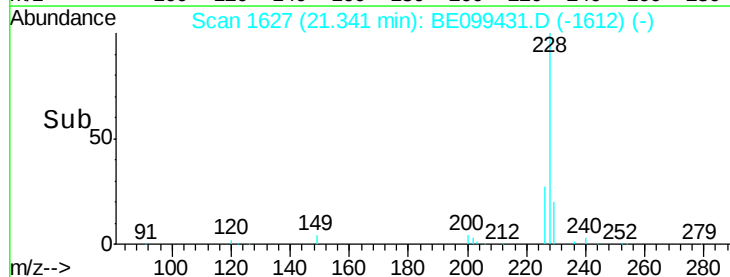
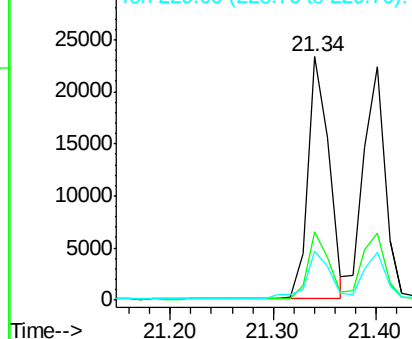
228 100

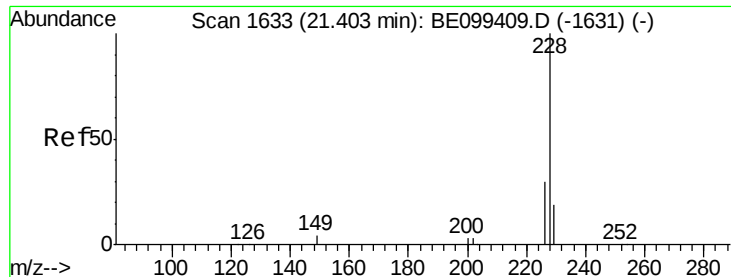
226 27.8 21.0 31.6

229 20.1 16.6 25.0



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: 0.419 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

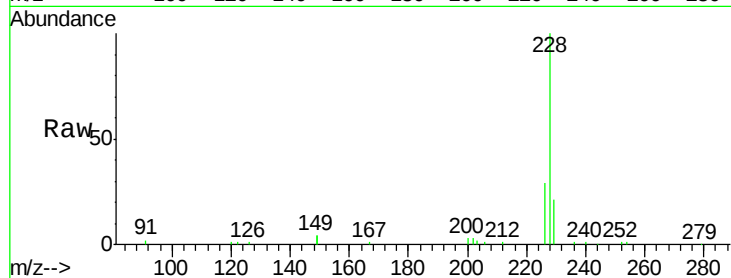
Tot Ion:228 Resp: 32823

Ion Ratio Lower Upper

228 100

226 28.7 24.0 36.0

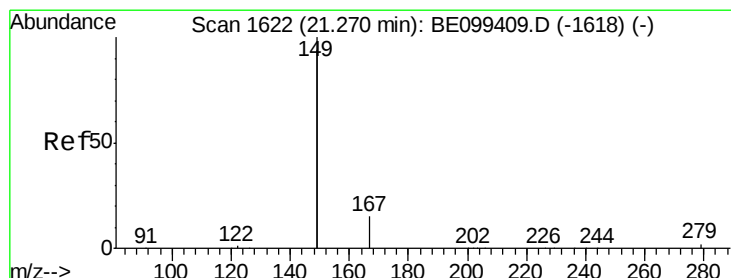
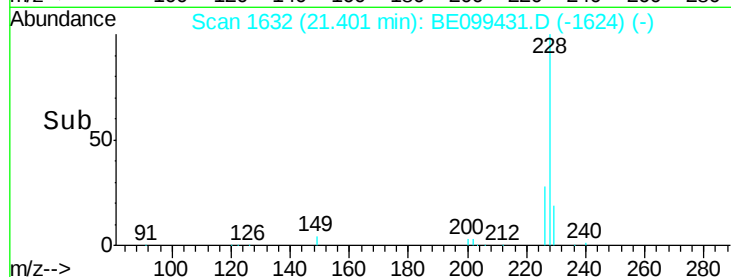
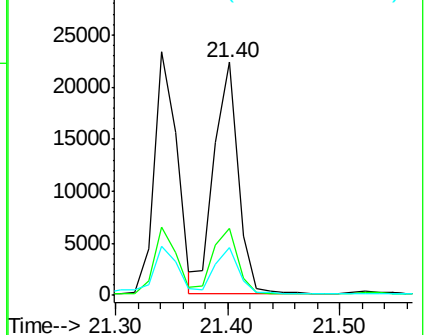
229 20.6 15.8 23.8



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: 0.257 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

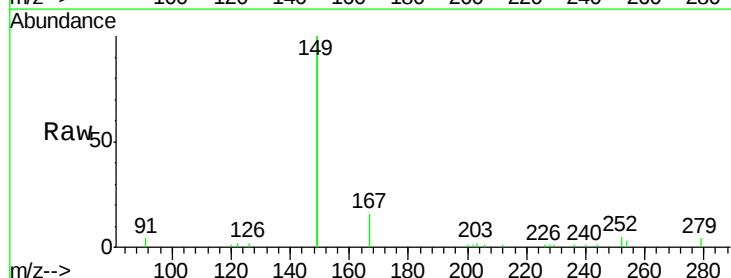
Tgt Ion:149 Resp: 37122

Ion Ratio Lower Upper

149 100

167 7.7 5.8 8.6

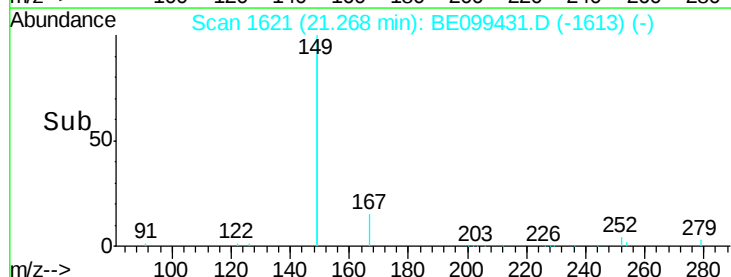
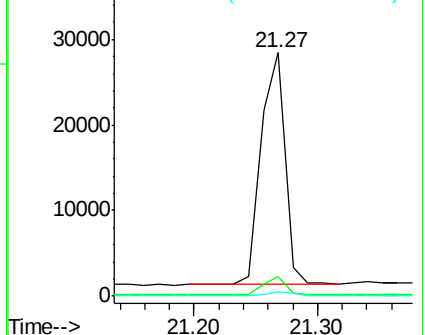
279 1.6 1.0 1.6#

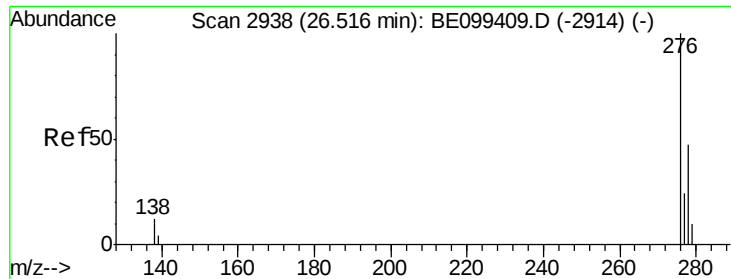


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.402 ng

RT: 26.50 min Scan# 2932

Delta R.T. -0.02 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

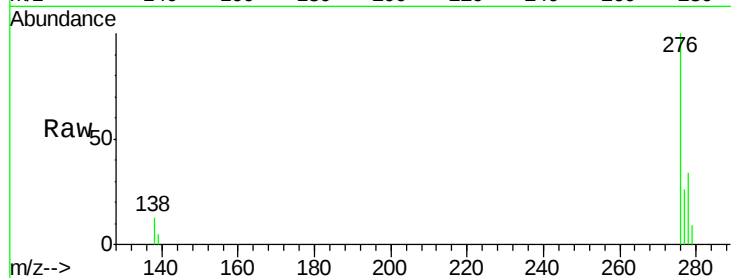
Tot Ion:276 Resp: 37208

Ion Ratio Lower Upper

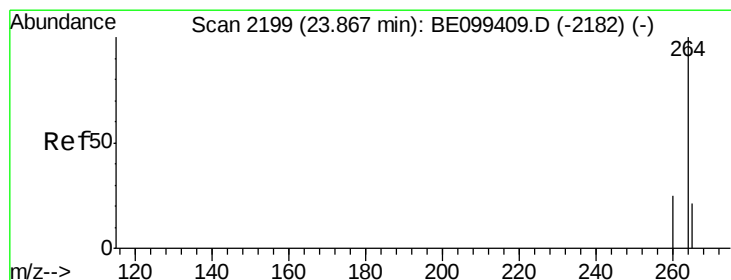
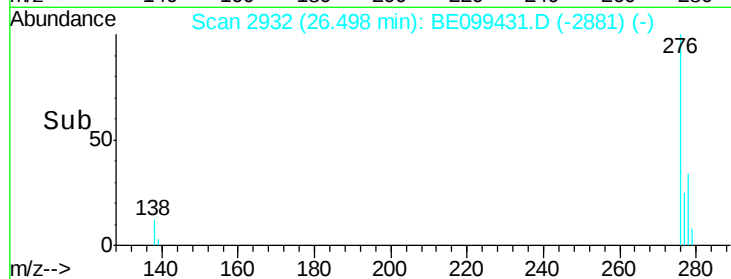
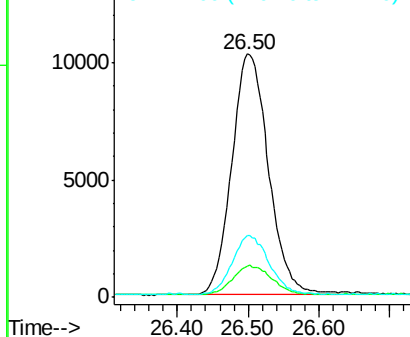
276 100

138 12.7 10.2 15.2

277 24.3 19.2 28.8



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: 23.86 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

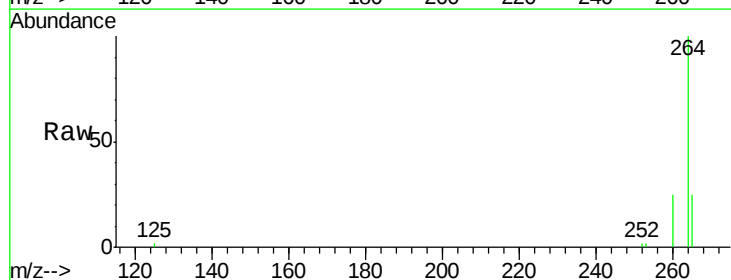
Tgt Ion:264 Resp: 33626

Ion Ratio Lower Upper

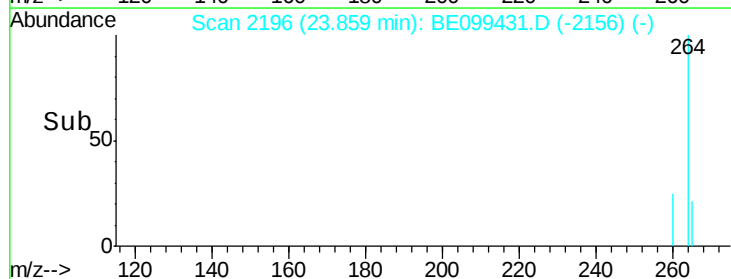
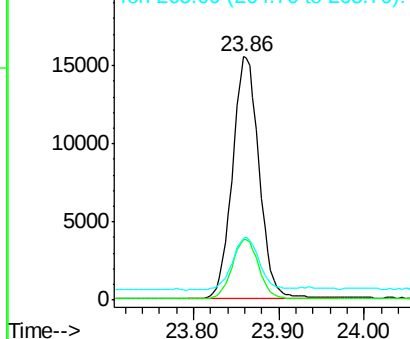
264 100

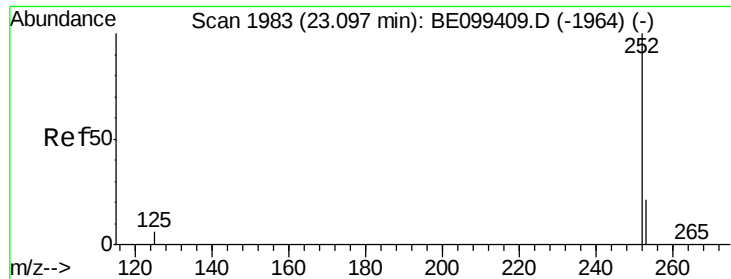
260 24.9 20.2 30.2

265 25.4 21.3 31.9



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





#35

Benzo(b)fluoranthene

Concen: 0.367 ng

RT: 23.09 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

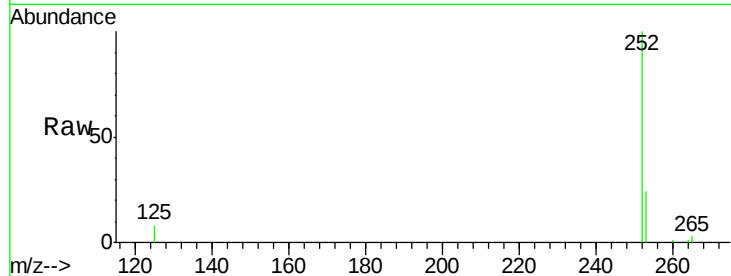
Tot Ion:252 Resp: 35586

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

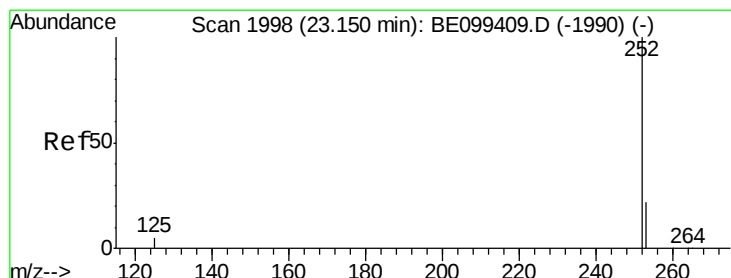
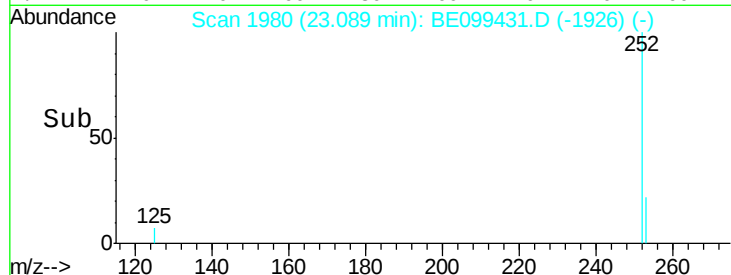
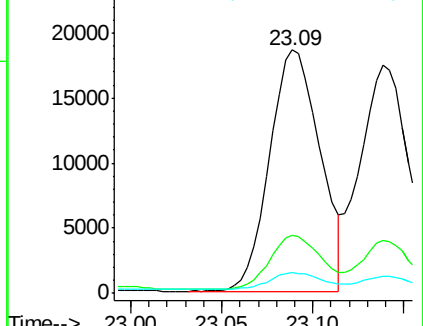
125 8.4 5.6 8.4



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



#36

Benzo(k)fluoranthene

Concen: 0.344 ng

RT: 23.14 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

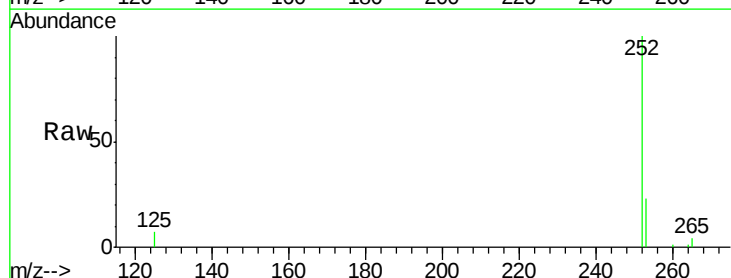
Tgt Ion:252 Resp: 32155

Ion Ratio Lower Upper

252 100

253 23.5 18.4 27.6

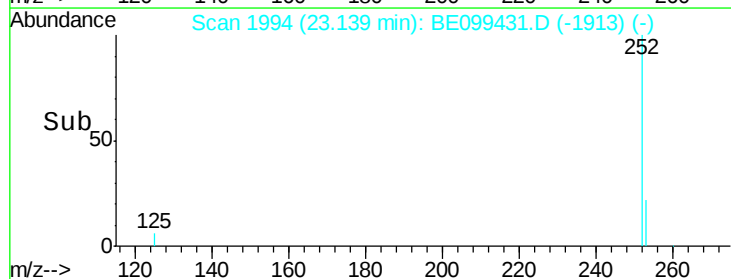
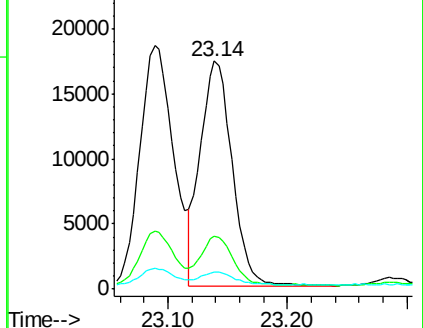
125 7.3 5.0 7.4

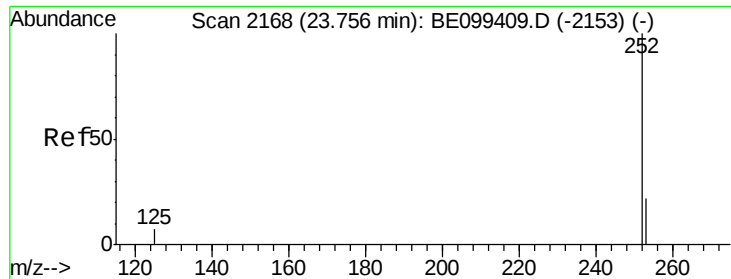


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.372 ng

RT: 23.75 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS

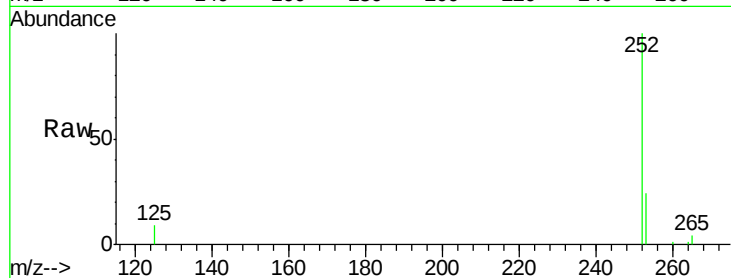
Tot Ion:252 Resp: 34131

Ion Ratio Lower Upper

252 100

253 23.6 18.9 28.3

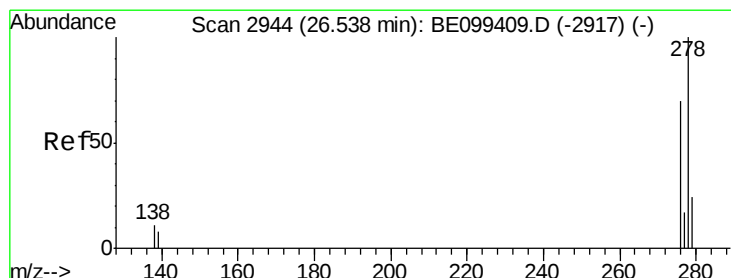
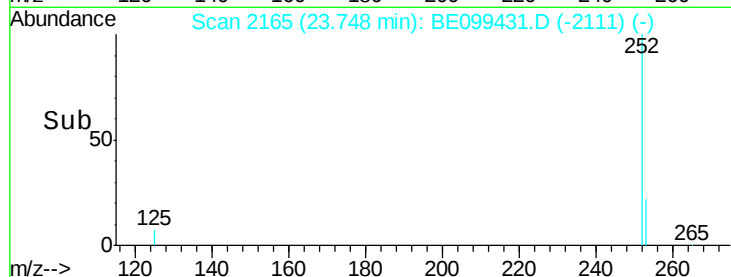
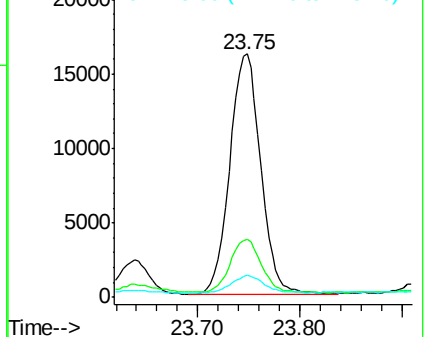
125 9.1 6.7 10.1



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: 0.301 ng

RT: 26.52 min Scan# 2939

Delta R.T. -0.01 min

Lab File: BE099431.D

Acq: 30 Apr 2019 18:00

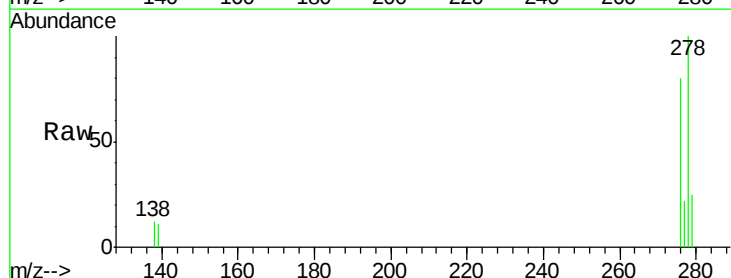
Tgt Ion:278 Resp: 28227

Ion Ratio Lower Upper

278 100

139 10.5 7.7 11.5

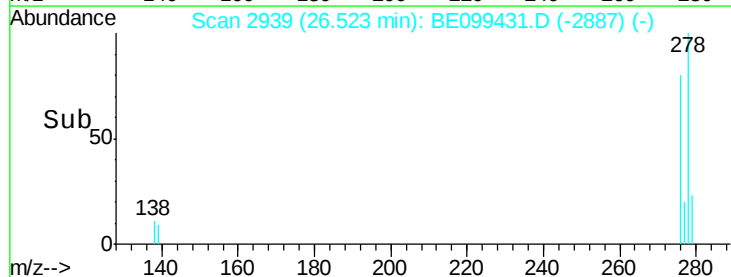
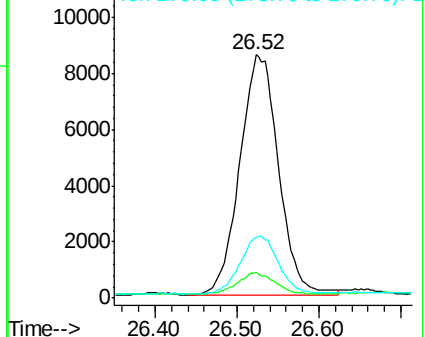
279 24.7 20.2 30.2

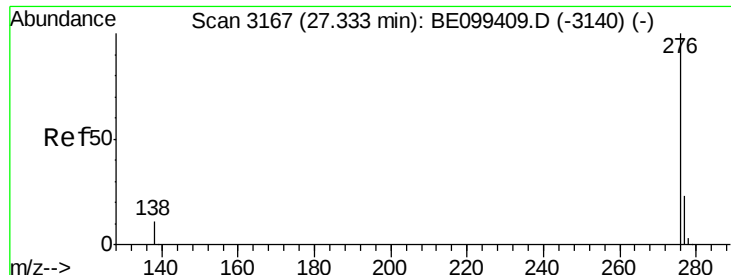


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.343 ng

RT: 27.32 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BE099431.D

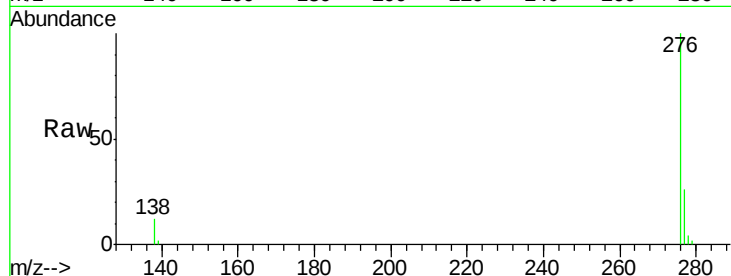
Acq: 30 Apr 2019 18:00

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MS



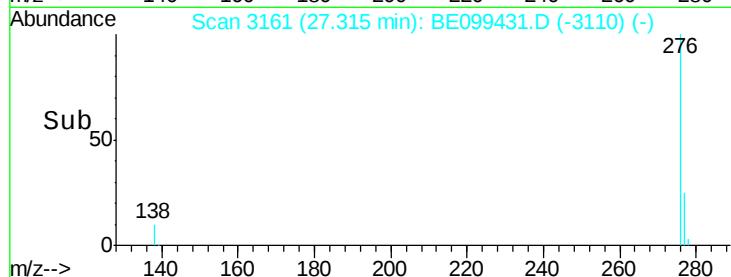
Tot Ion: 276 Resp: 32268

Ion Ratio Lower Upper

276 100

277 25.7 19.5 29.3

138 11.7 9.6 14.4



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

