

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099496.D
 Acq On : 2 May 2019 16:54
 Operator : JU/SJ
 Sample : K2588-10MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B194-042519MSD

Quant Time: May 03 02:10:03 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	2120	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7128	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	4748	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	14564	0.40	ng	0.00
27) Chrysene-d12	21.37	240	24641	0.40	ng	0.00
34) Perylene-d12	23.87	264	28685	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2313	0.39	ng	0.00
5) Phenol-d6	6.96	99	3234	0.41	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2643	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5160	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1514	0.51	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	6719	0.37	ng	-0.02
25) Fluoranthene-d10	19.22	212	81543	0.42	ng	0.00
29) Terphenyl-d14	19.82	244	17985	0.40	ng	0.00

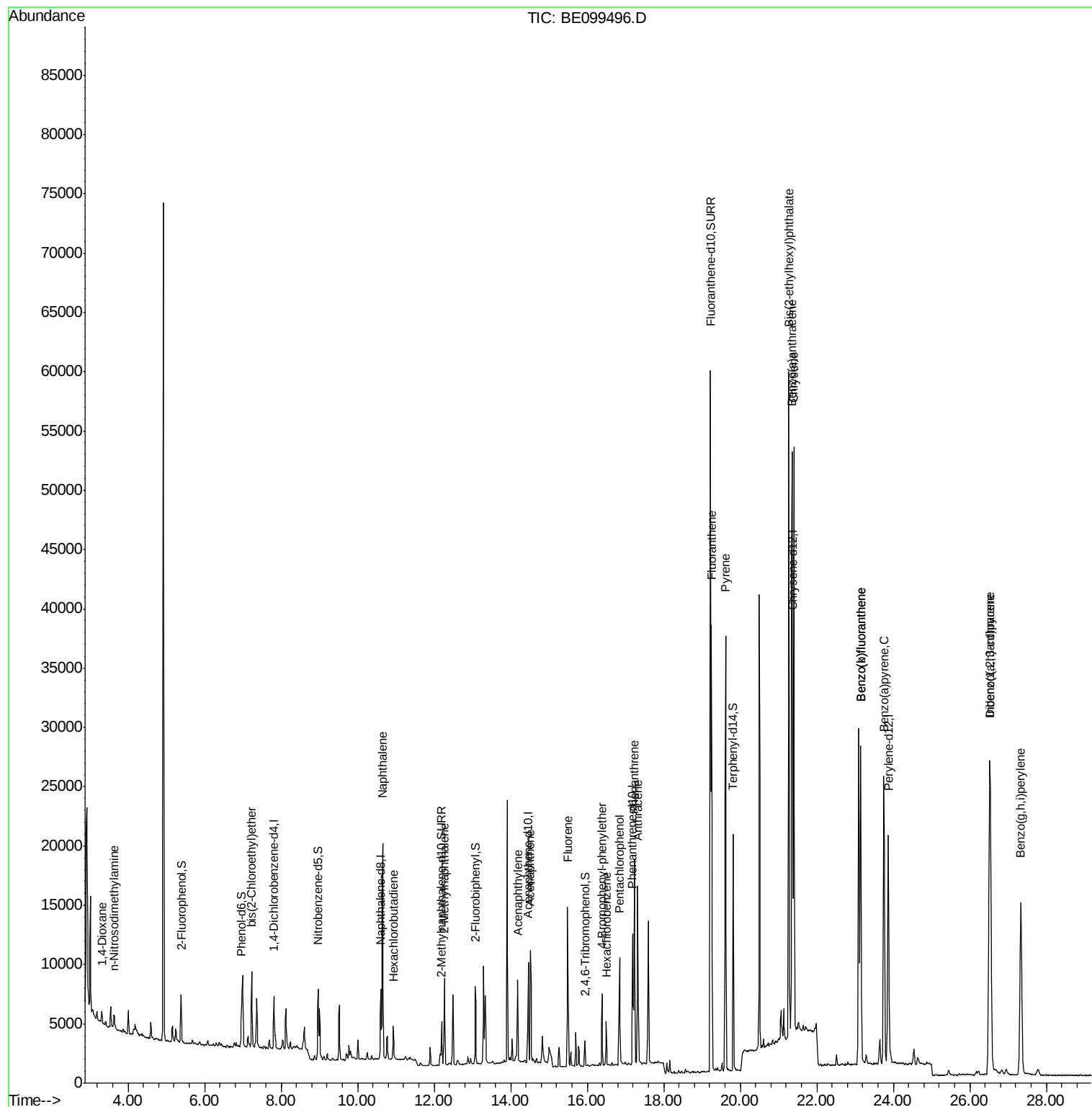
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	783	0.268	ng	# 74
3) n-Nitrosodimethylamine	3.62	42	777	0.442	ng	# 94
6) bis(2-Chloroethyl)ether	7.23	93	2436	0.362	ng	99
9) Naphthalene	10.65	128	29412	0.379	ng	100
10) Hexachlorobutadiene	10.93	225	1885	0.349	ng	99
12) 2-Methylnaphthalene	12.27	142	4962	0.367	ng	94
16) Acenaphthylene	14.18	152	9013	0.388	ng	99
17) Acenaphthene	14.51	154	5177	0.390	ng	98
18) Fluorene	15.49	166	7498	0.383	ng	100
20) 4-Bromophenyl-phenylether	16.39	248	3215	0.379	ng	# 96
21) Hexachlorobenzene	16.49	284	2955	0.366	ng	99
22) Pentachlorophenol	16.84	266	4764	1.195	ng	97
23) Phenanthrene	17.23	178	18008	0.479	ng	99
24) Anthracene	17.32	178	15384	0.429	ng	100
26) Fluoranthene	19.25	202	34082	0.605	ng	100
28) Pyrene	19.61	202	36505	0.568	ng	99
30) Benzo(a)anthracene	21.35	228	42851	0.546	ng	100
31) Chrysene	21.40	228	40566	0.528	ng	100
32) Bis(2-ethylhexyl)phthalate	21.27	149	62780	0.495	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	44661	0.492	ng	# 93
35) Benzo(b)fluoranthene	23.15	252	39380	0.476	ng	100
36) Benzo(k)fluoranthene	23.15	252	39597	0.496	ng	99
37) Benzo(a)pyrene	23.76	252	39786	0.509	ng	# 98
38) Dibenzo(a,h)anthracene	26.53	278	34674	0.433	ng	98
39) Benzo(g,h,i)perylene	27.33	276	37808	0.472	ng	100

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

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QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

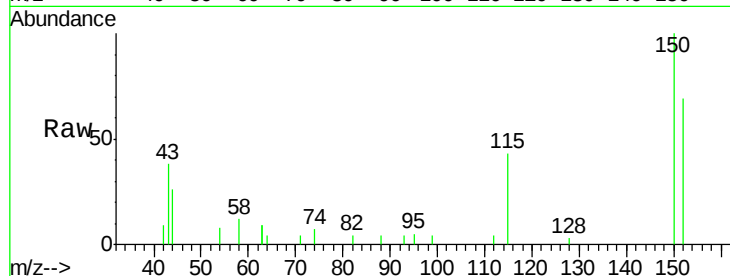
Tot Ion:152 Resp: 2120

Ion Ratio Lower Upper

152 100

150 145.7 104.8 157.2

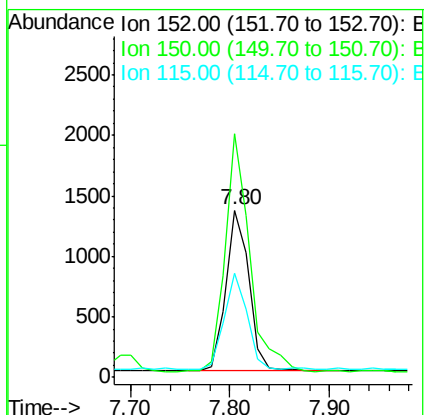
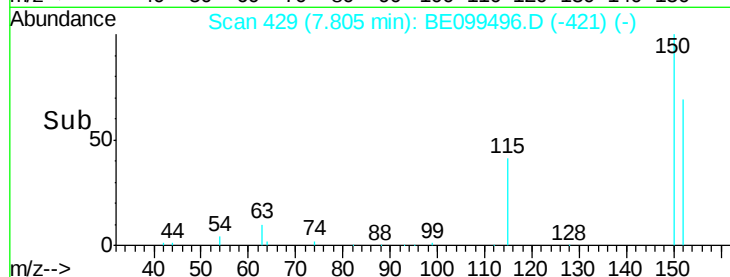
115 62.6 46.6 69.8



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: 0.268 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

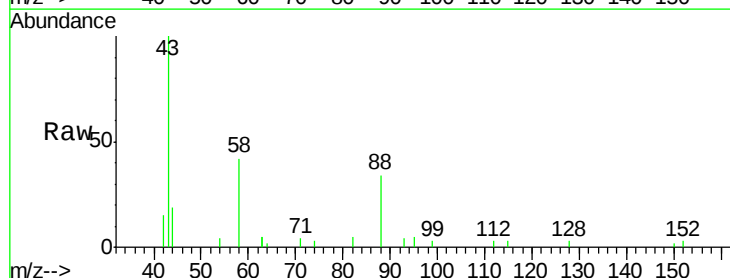
Tgt Ion: 88 Resp: 783

Ion Ratio Lower Upper

88 100

58 69.1 51.0 76.6

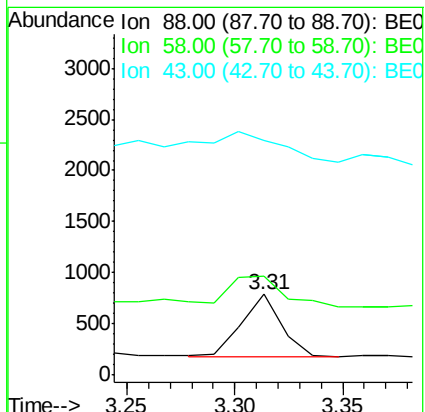
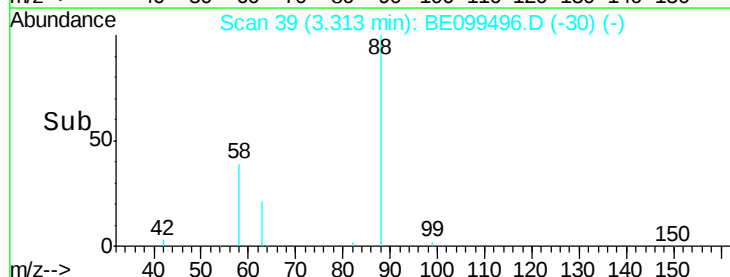
43 62.6 20.6 30.8#



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



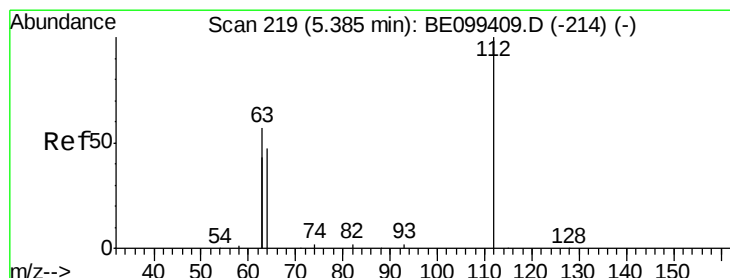
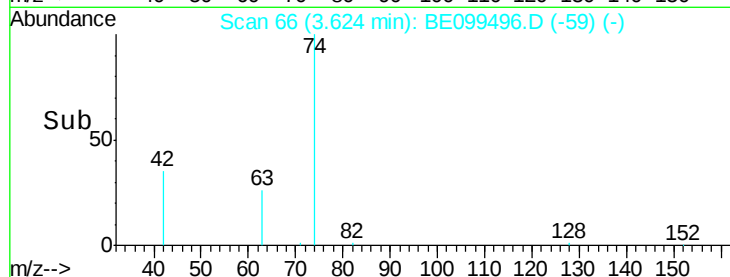
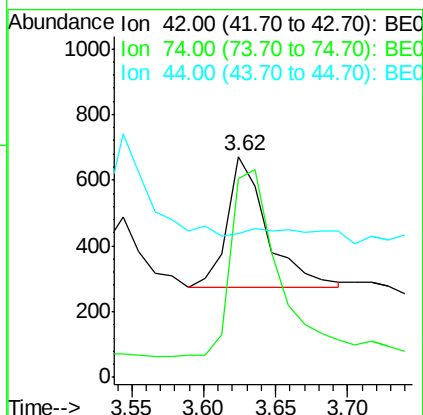
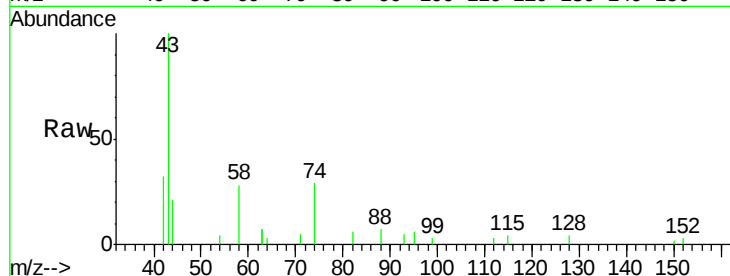


#3

n-Nitrosodimethylamine
 Concen: 0.442 ng
 RT: 3.62 min Scan# 66
 Delta R.T. -0.02 min
 Lab File: BE099496.D
 Acq: 2 May 2019 16:54

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B194-042519MSD

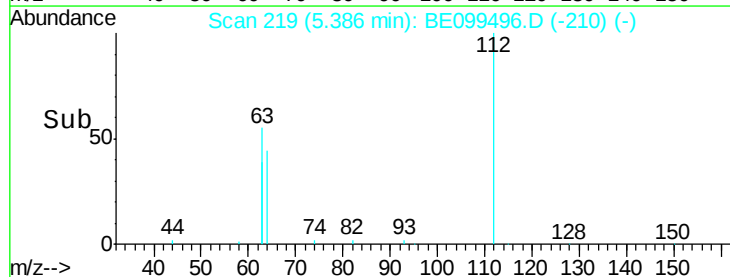
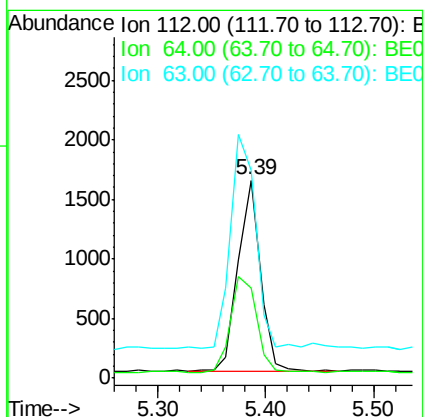
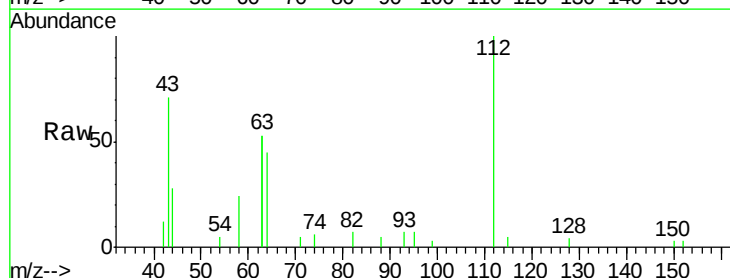
Tot Ion: 42 Resp: 777
 Ion Ratio Lower Upper
 42 100
 74 168.7 141.6 212.4
 44 3.7 0.0 0.0#

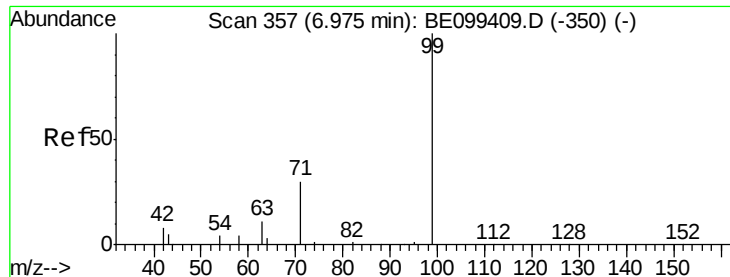


#4

2-Fluorophenol
 Concen: 0.395 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE099496.D
 Acq: 2 May 2019 16:54

Tgt Ion: 112 Resp: 2313
 Ion Ratio Lower Upper
 112 100
 64 56.9 47.4 71.0
 63 125.1 104.3 156.5





#5

Phenol-d6

Concen: 0.415 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

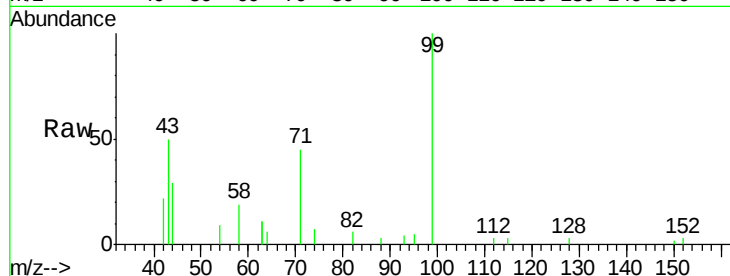
Tot Ion: 99 Resp: 3234

Ion Ratio Lower Upper

99 100

42 21.5 14.9 22.3

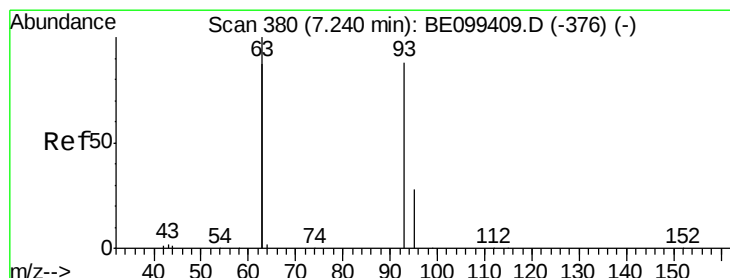
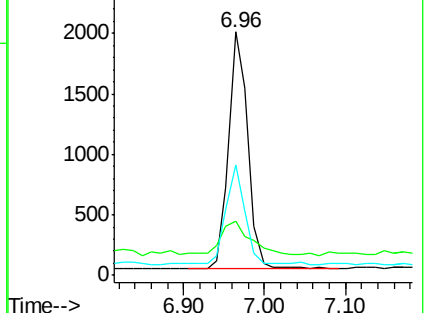
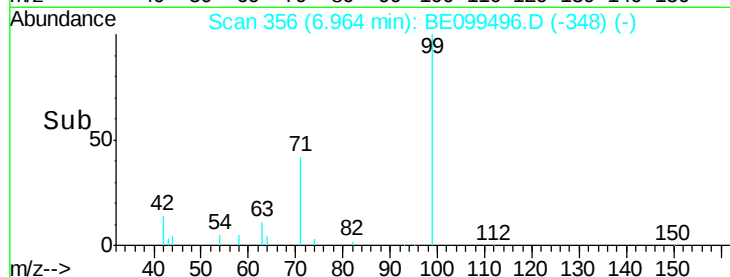
71 41.2 33.0 49.6



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: 0.362 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

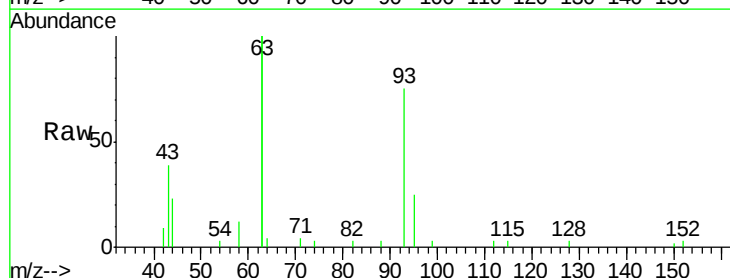
Tgt Ion: 93 Resp: 2436

Ion Ratio Lower Upper

93 100

63 268.2 215.6 323.4

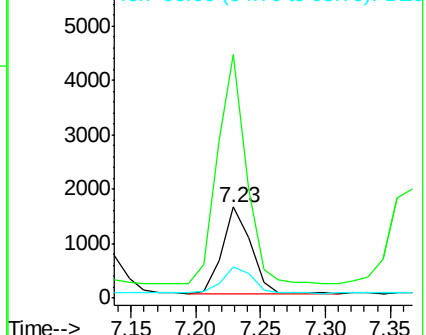
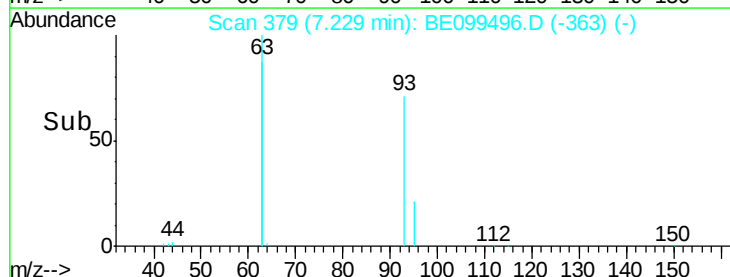
95 33.4 26.2 39.2



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: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

Tot Ion:136 Resp: 7128

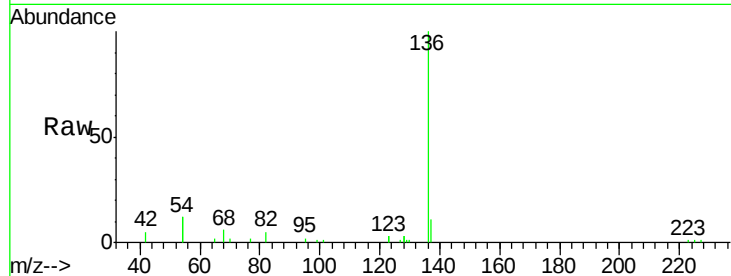
Ion Ratio Lower Upper

136 100

137 11.4 9.8 14.8

54 24.1 18.5 27.7

68 6.1 4.7 7.1

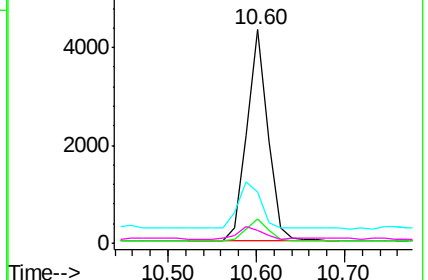
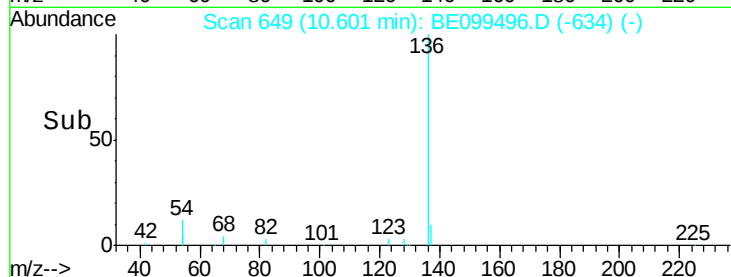


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.396 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

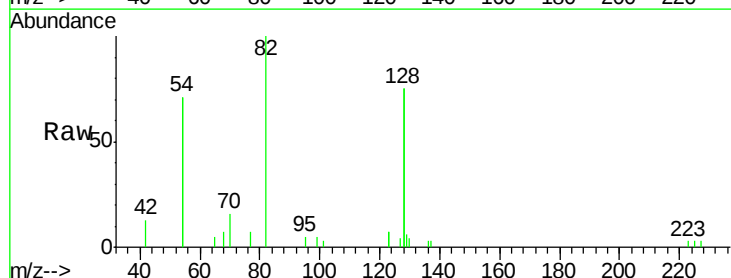
Tgt Ion: 82 Resp: 2643

Ion Ratio Lower Upper

82 100

128 149.7 107.0 160.4

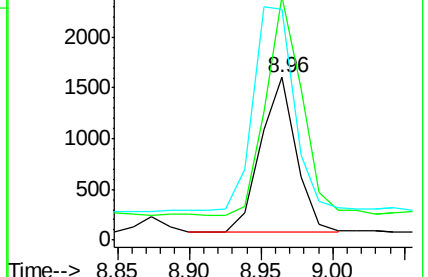
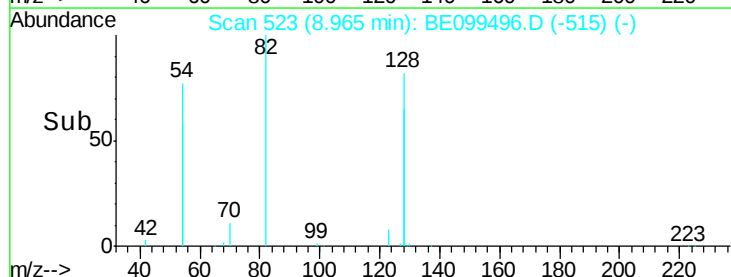
54 141.7 113.1 169.7

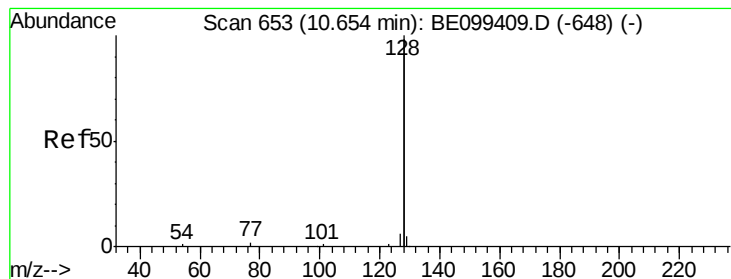


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.379 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

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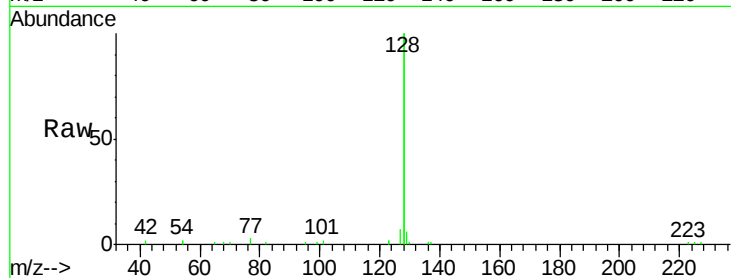
Tot Ion:128 Resp: 29412

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

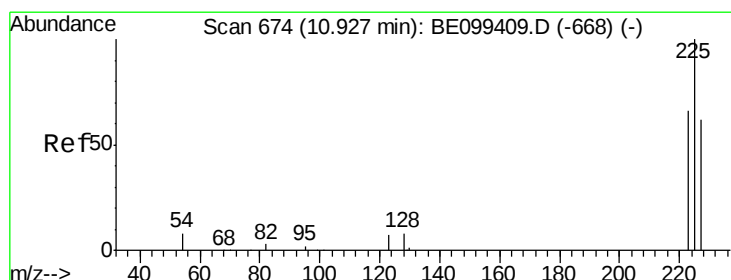
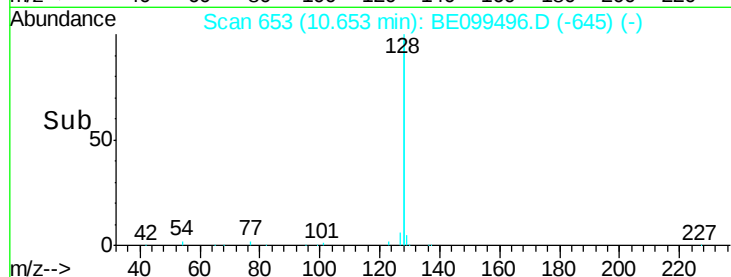
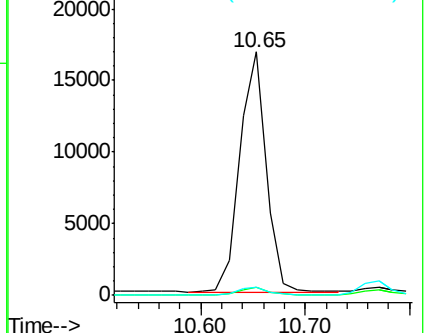
127 3.5 2.8 4.2



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: 0.349 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

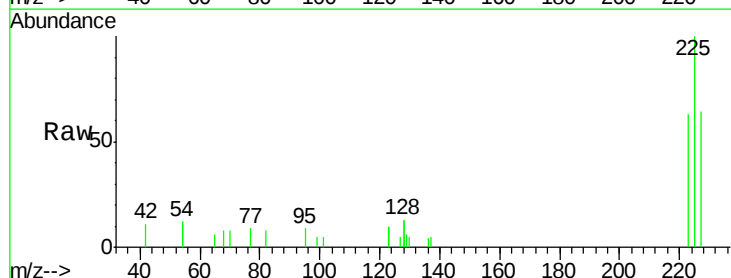
Tgt Ion:225 Resp: 1885

Ion Ratio Lower Upper

225 100

223 64.6 51.0 76.6

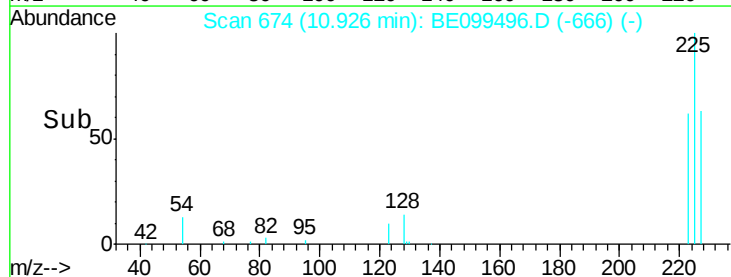
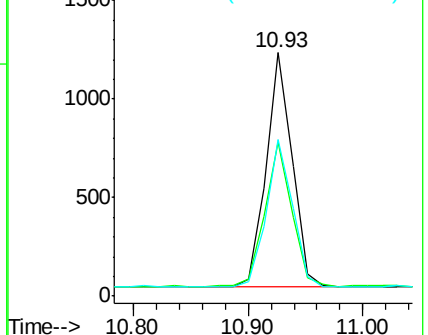
227 63.2 50.9 76.3

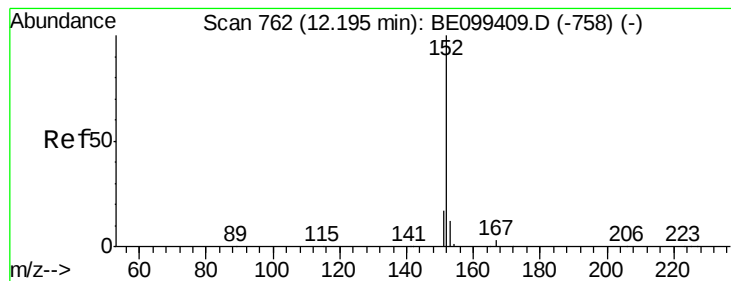


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

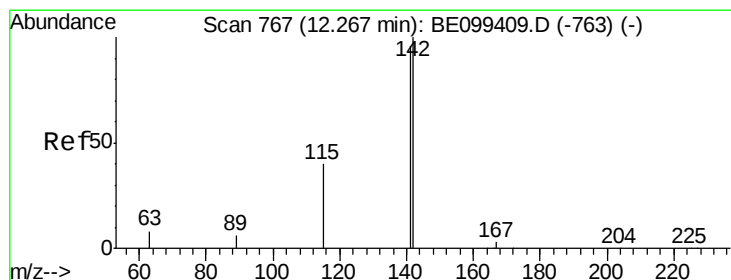
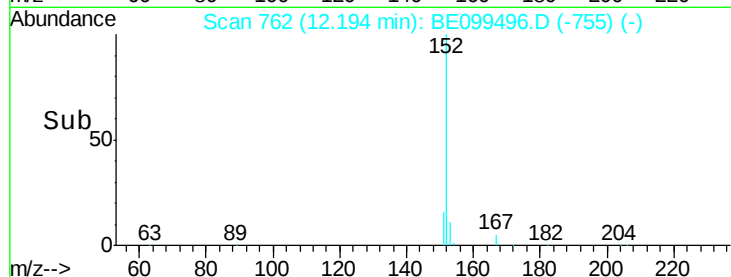
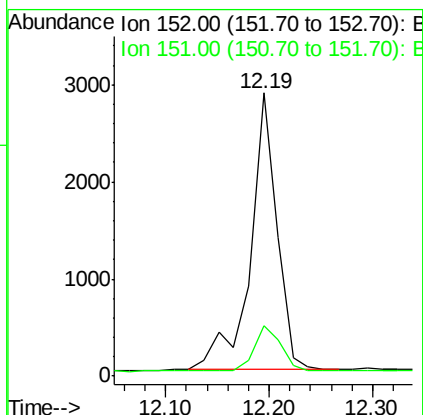
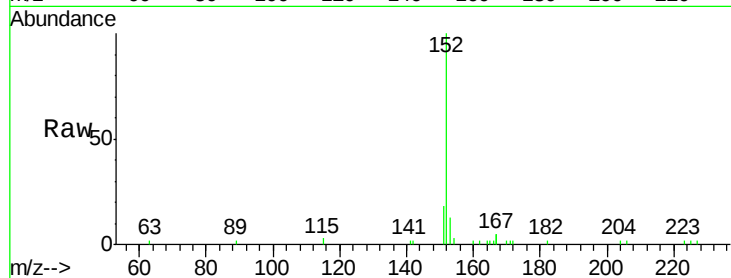




#11
 2-Methylnaphthalene-d10
 Concen: 0.402 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099496.D
 Acq: 2 May 2019 16:54

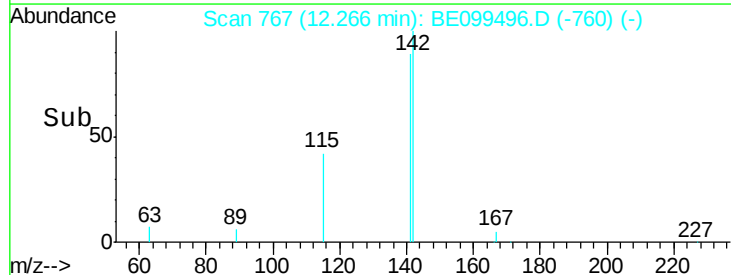
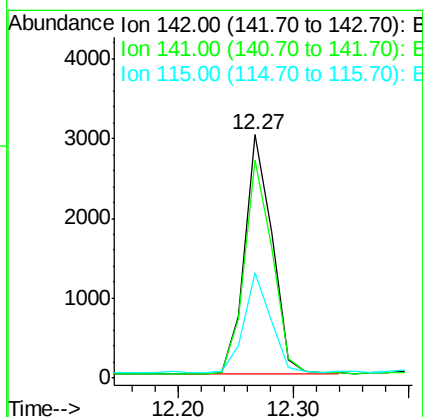
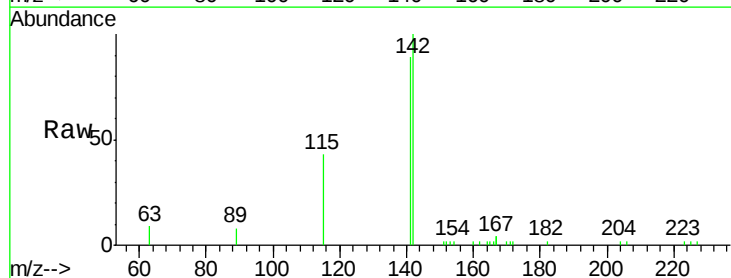
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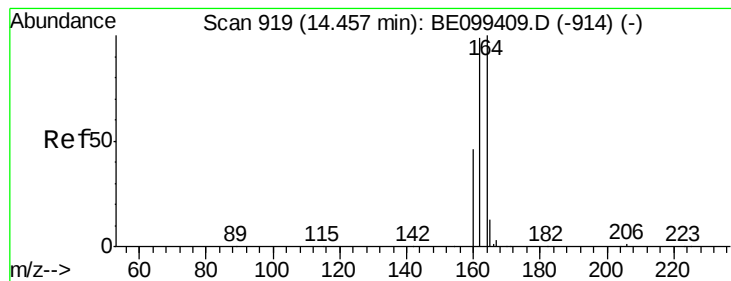
Tot Ion:152 Resp: 5160
 Ion Ratio Lower Upper
 152 100
 151 16.5 15.5 23.3



#12
 2-Methylnaphthalene
 Concen: 0.367 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099496.D
 Acq: 2 May 2019 16:54

Tgt Ion:142 Resp: 4962
 Ion Ratio Lower Upper
 142 100
 141 89.3 77.0 115.4
 115 43.5 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: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

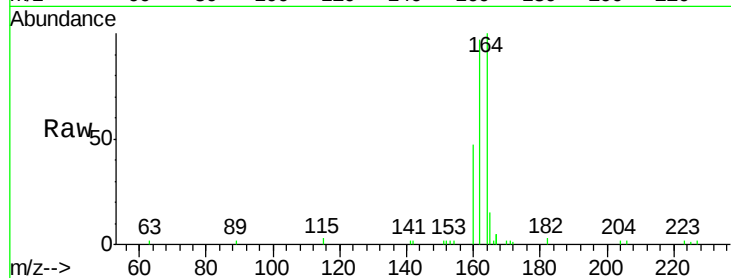
Tot Ion:164 Resp: 4748

Ion Ratio Lower Upper

164 100

162 97.3 79.0 118.4

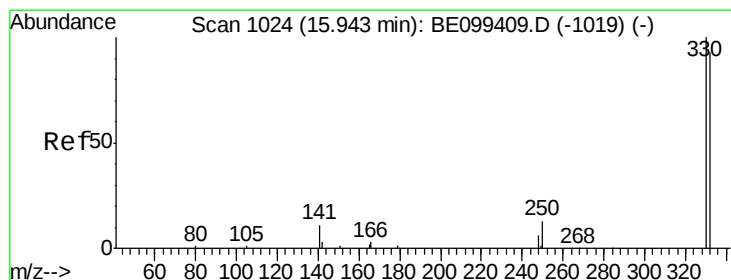
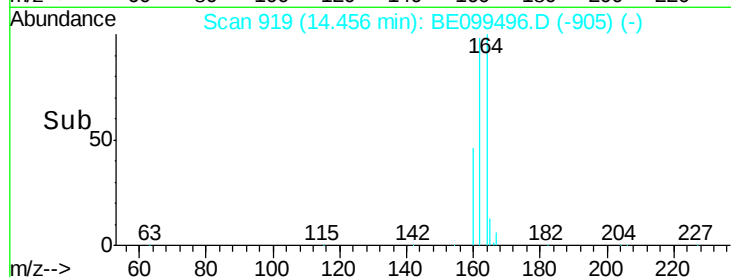
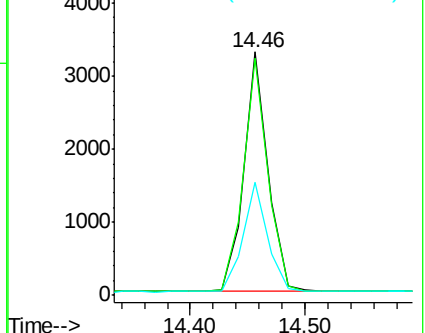
160 46.6 37.0 55.4



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: 0.506 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

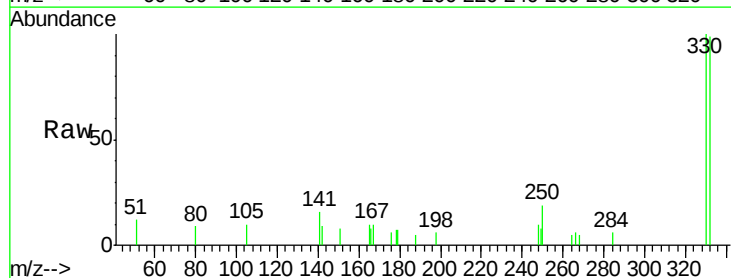
Tgt Ion:330 Resp: 1514

Ion Ratio Lower Upper

330 100

332 95.8 71.5 107.3

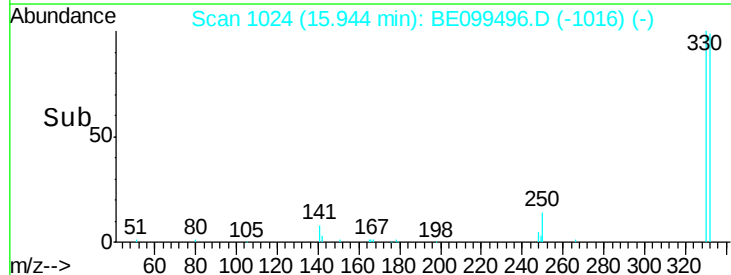
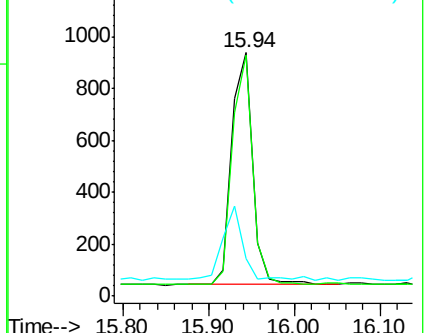
141 30.1 24.0 36.0

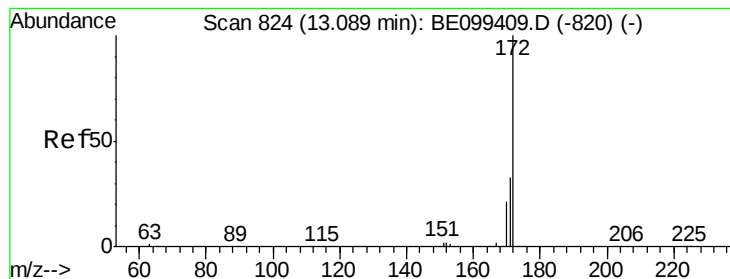


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.371 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

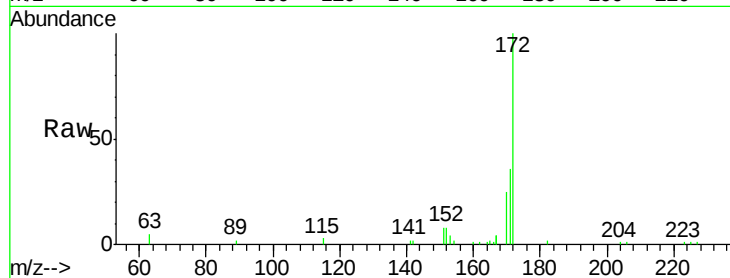
Tot Ion:172 Resp: 6719

Ion Ratio Lower Upper

172 100

171 35.6 26.6 39.8

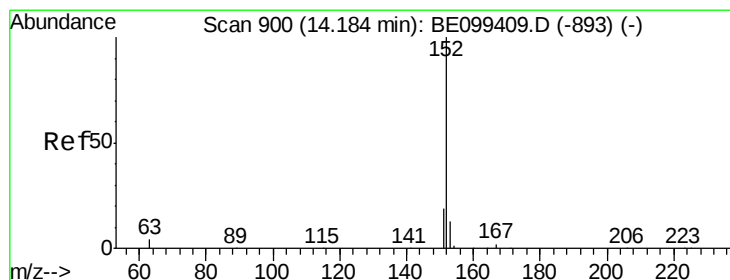
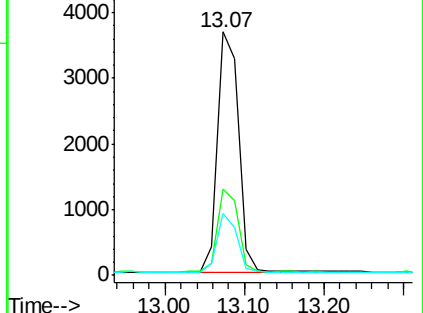
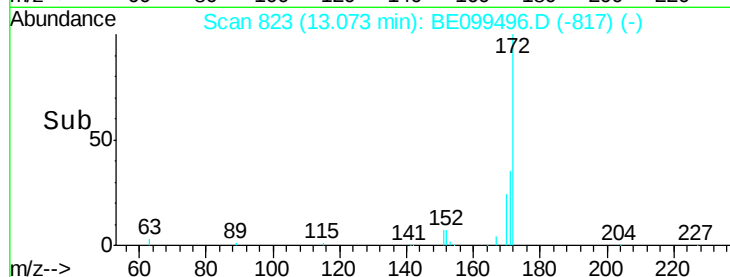
170 25.4 17.0 25.6



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: 0.388 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

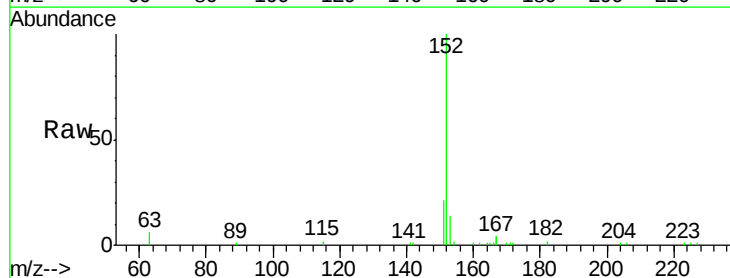
Tgt Ion:152 Resp: 9013

Ion Ratio Lower Upper

152 100

151 19.9 15.4 23.2

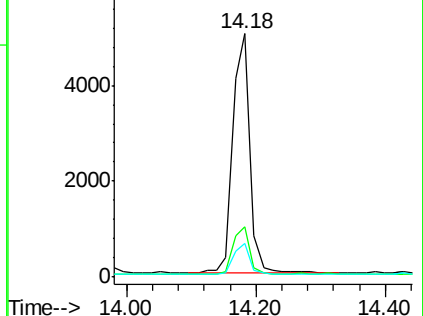
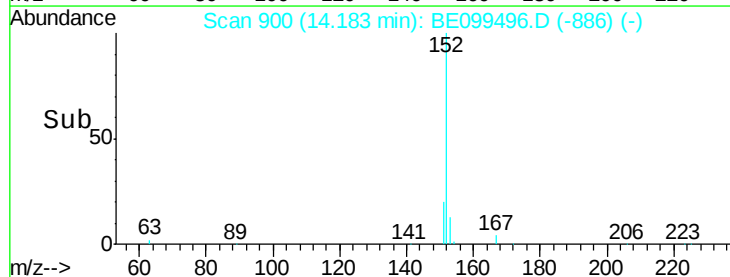
153 12.7 9.8 14.6

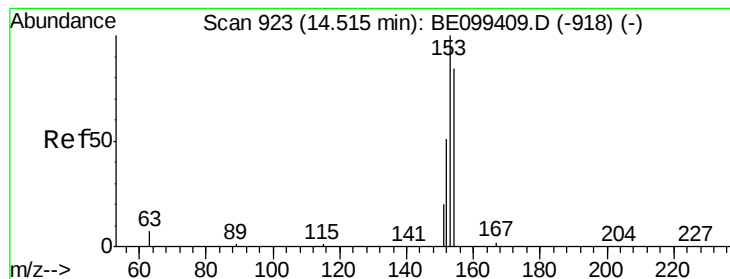


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.390 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

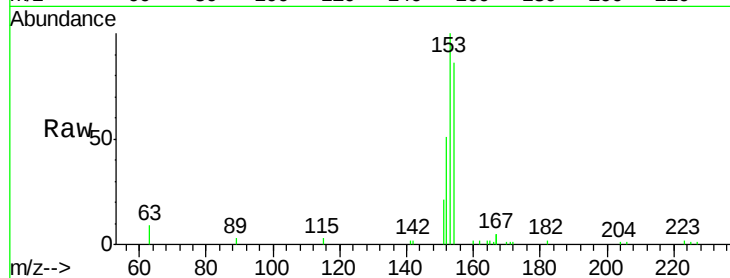
BNA_E

ClientSampleId :

PST-001-B194-042519MSD

Tot Ion:154 Resp: 5177

Ion	Ratio	Lower	Upper
154	100		
153	113.0	92.6	138.8
152	56.0	45.8	68.8

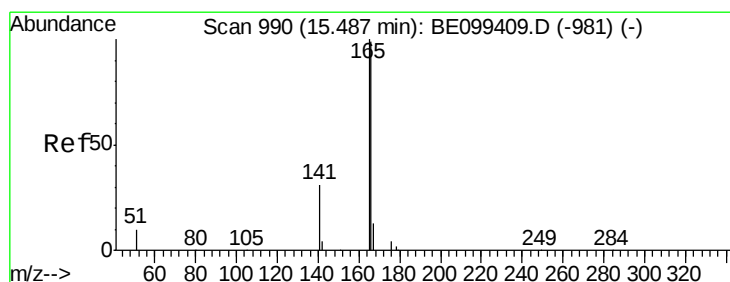
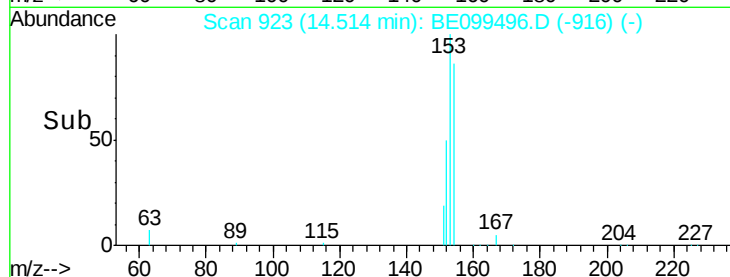
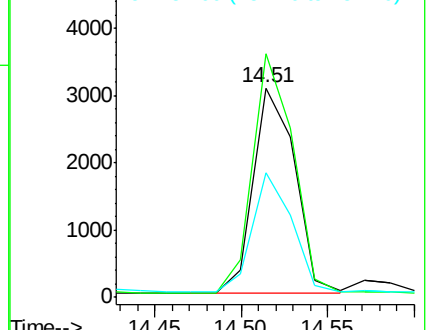


Abundance

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: 0.383 ng

RT: 15.49 min Scan# 990

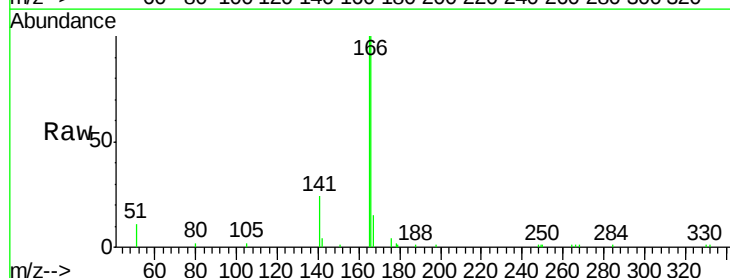
Delta R.T. 0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Tgt Ion:166 Resp: 7498

Ion	Ratio	Lower	Upper
166	100		
165	100.4	80.3	120.5
167	13.5	10.7	16.1

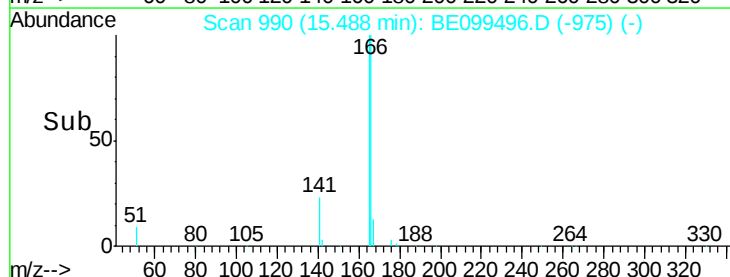
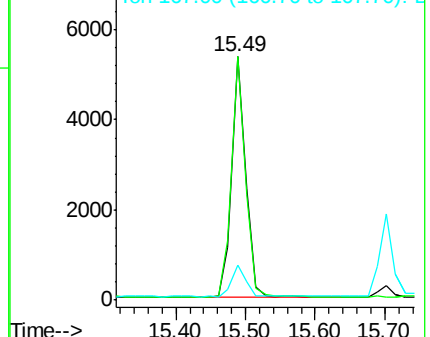


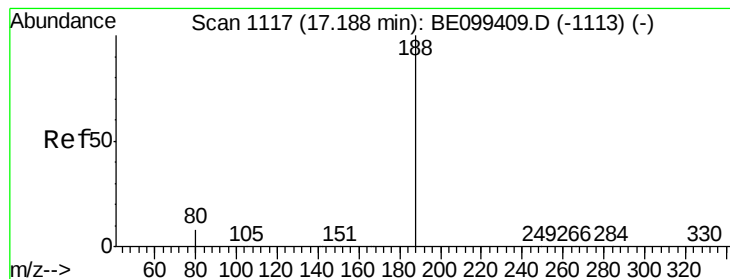
Abundance

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: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

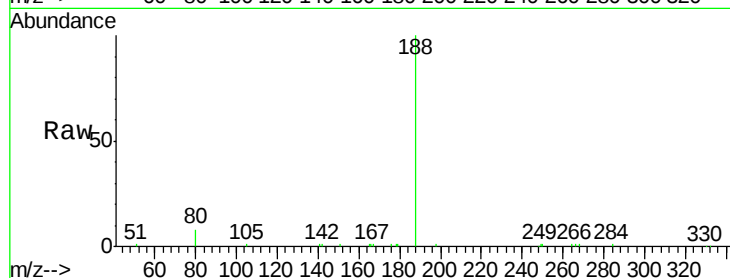
Tot Ion:188 Resp: 14564

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

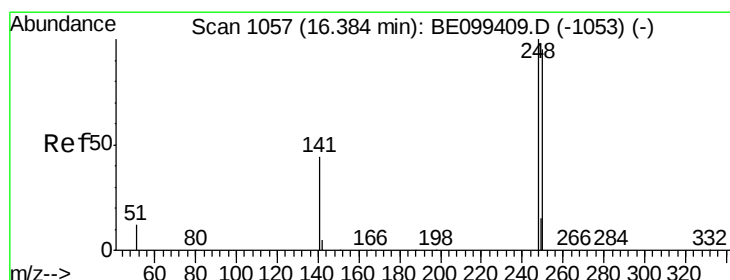
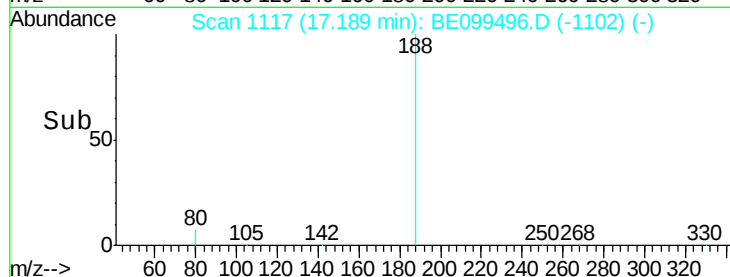
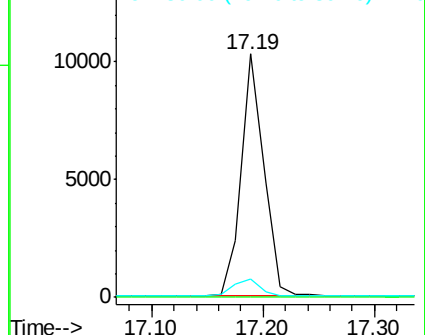
80 7.6 6.7 10.1



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: 0.379 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

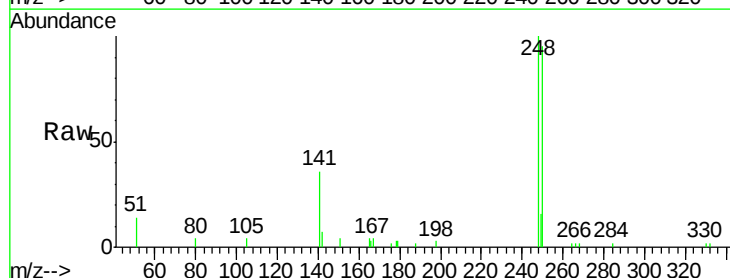
Tgt Ion:248 Resp: 3215

Ion Ratio Lower Upper

248 100

250 94.8 75.8 113.8

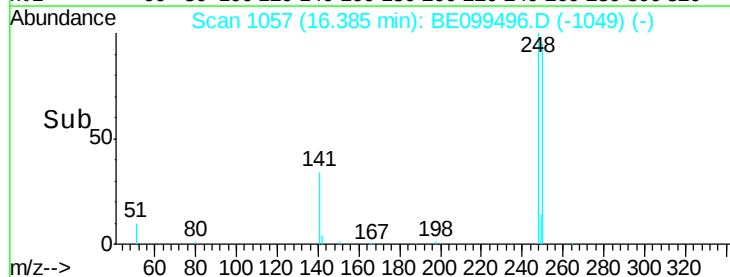
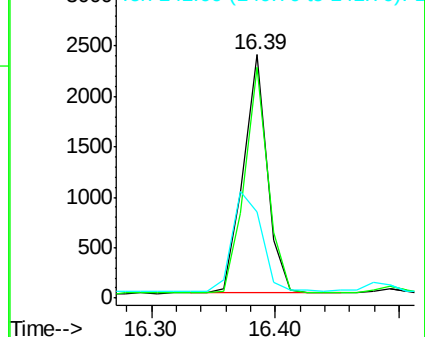
141 35.7 35.7 53.5#

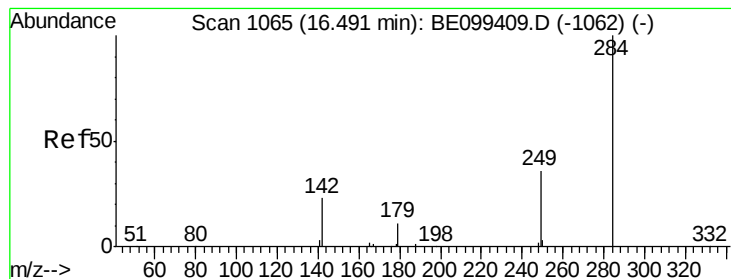


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.366 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

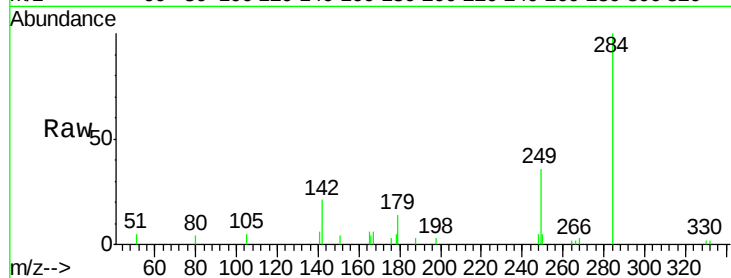
Tot Ion:284 Resp: 2955

Ion Ratio Lower Upper

284 100

142 26.7 21.0 31.6

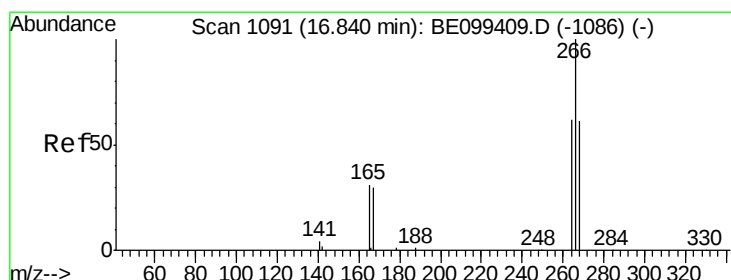
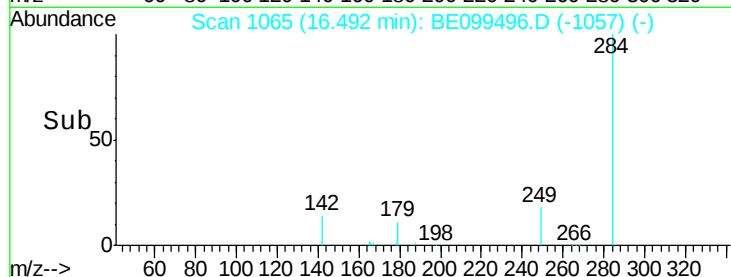
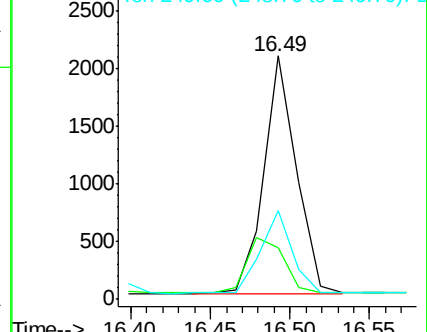
249 33.8 26.7 40.1



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: 1.195 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

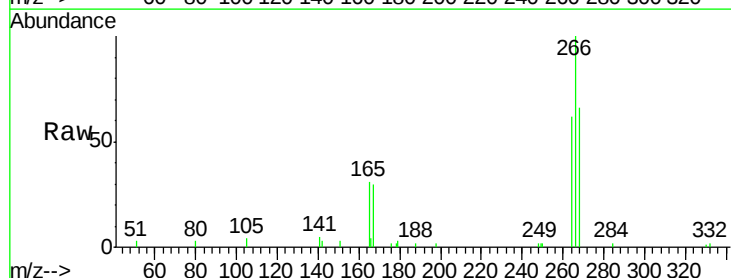
Tgt Ion:266 Resp: 4764

Ion Ratio Lower Upper

266 100

264 62.3 50.8 76.2

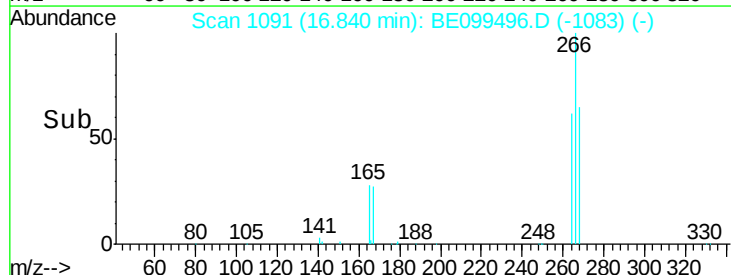
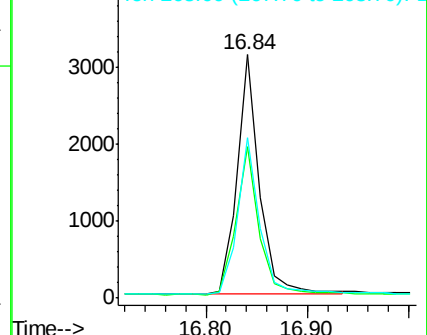
268 65.9 50.5 75.7

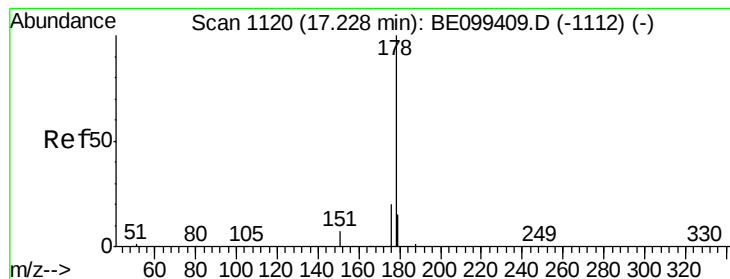


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.479 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

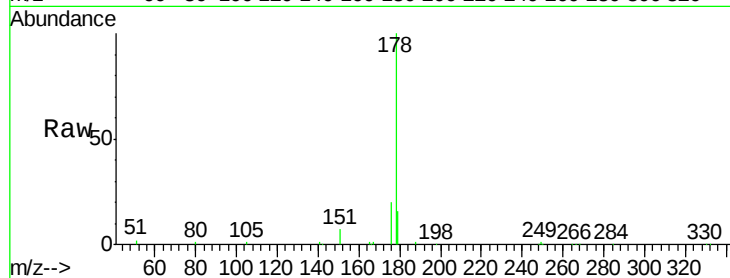
Tot Ion:178 Resp: 18008

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

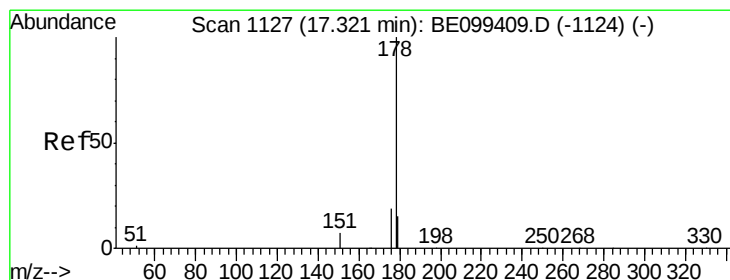
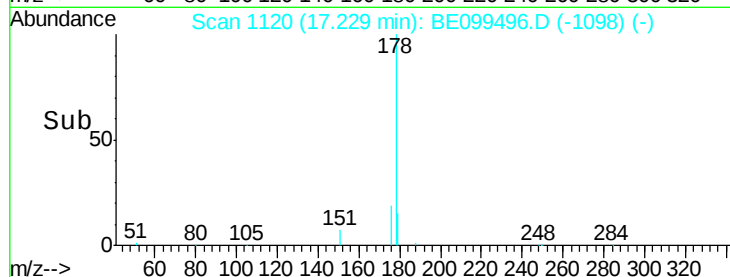
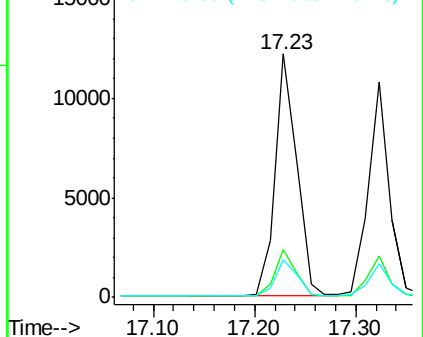
179 15.6 12.0 18.0



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: 0.429 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

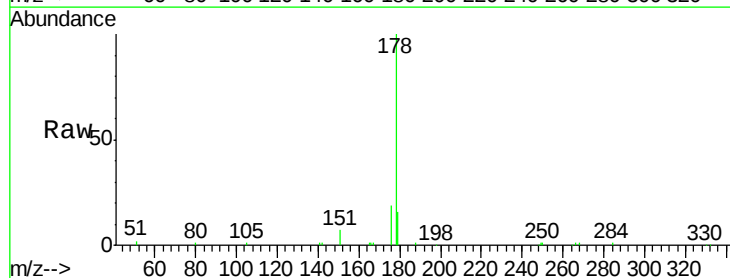
Tgt Ion:178 Resp: 15384

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

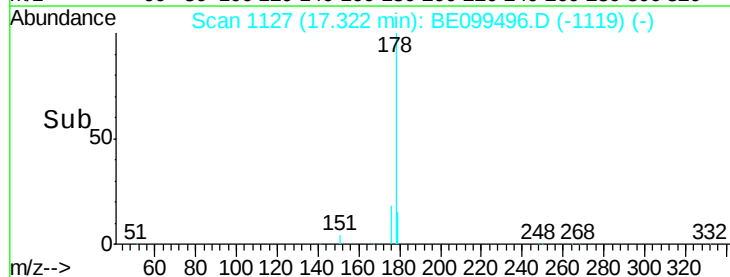
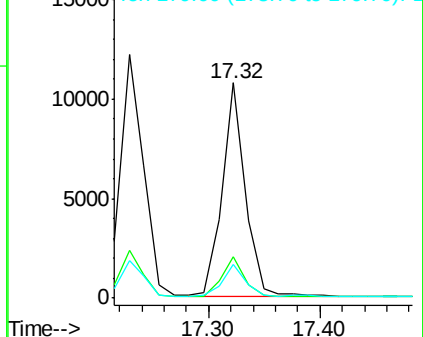
179 14.8 11.9 17.9

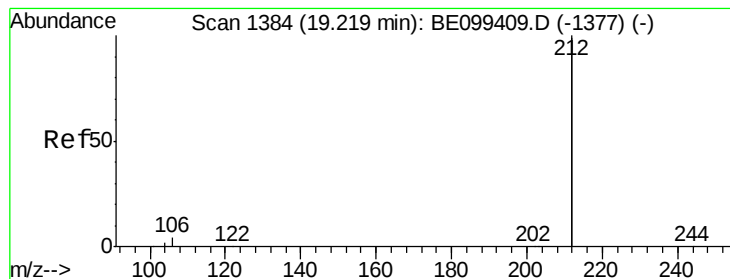


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.415 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

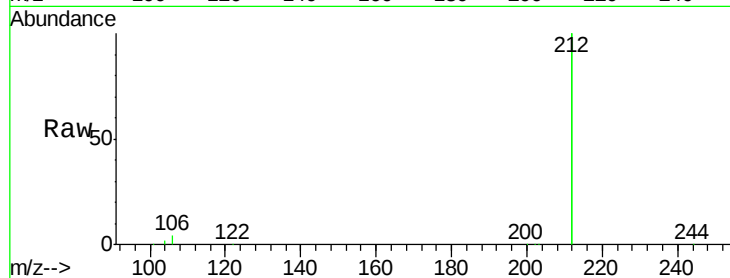
Tot Ion:212 Resp: 81543

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

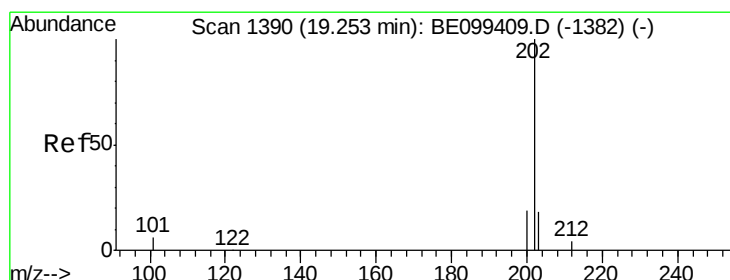
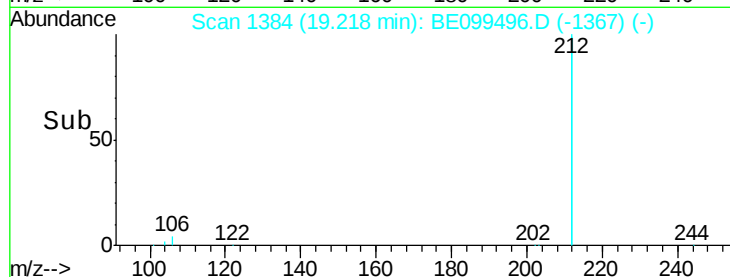
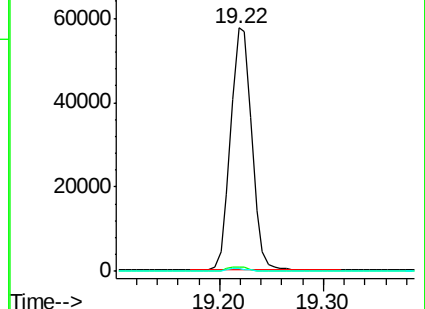
104 1.1 0.9 1.3



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: 0.605 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

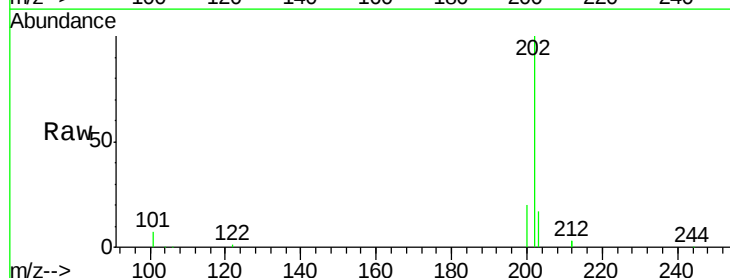
Tgt Ion:202 Resp: 34082

Ion Ratio Lower Upper

202 100

101 6.7 5.4 8.0

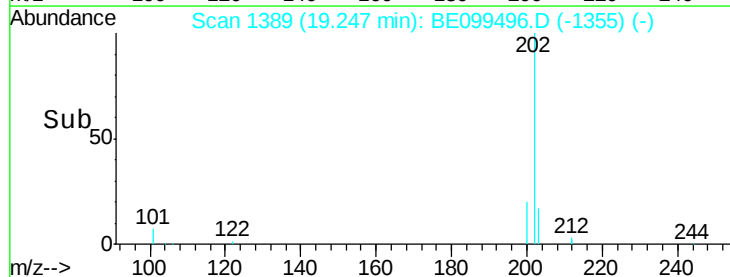
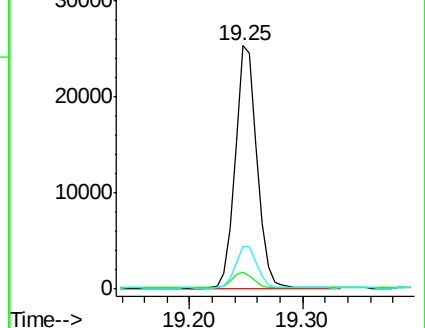
203 17.2 13.9 20.9



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

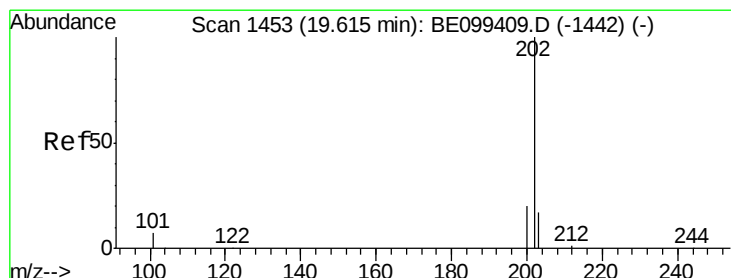
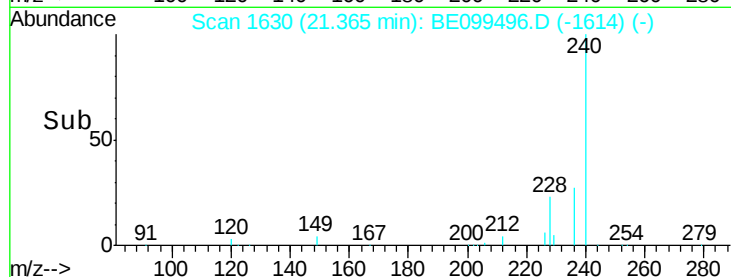
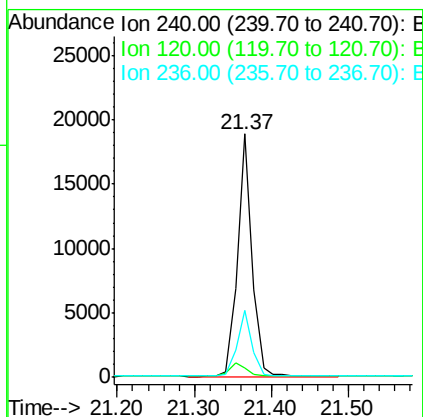
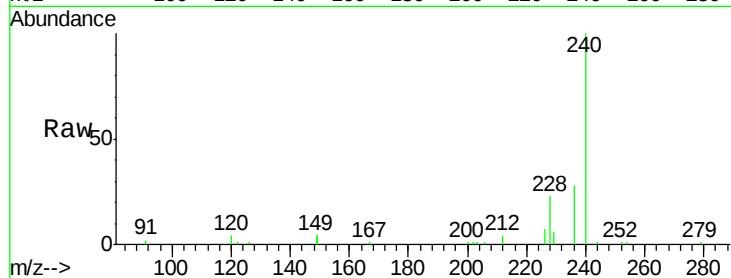




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099496.D
Acq: 2 May 2019 16:54

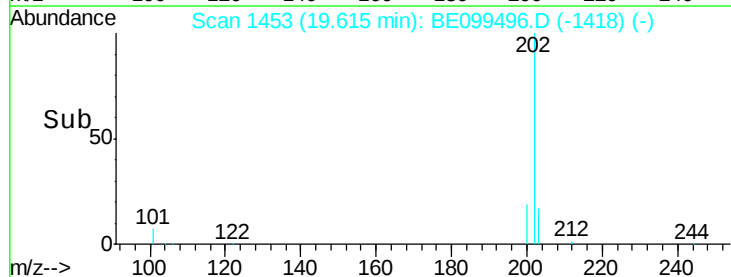
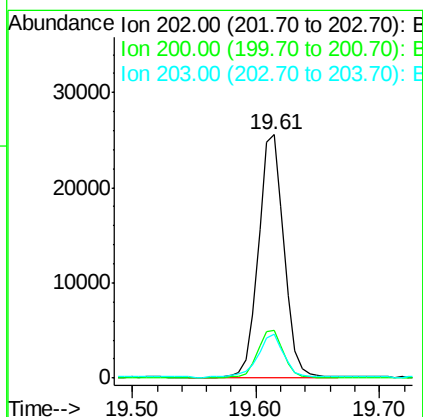
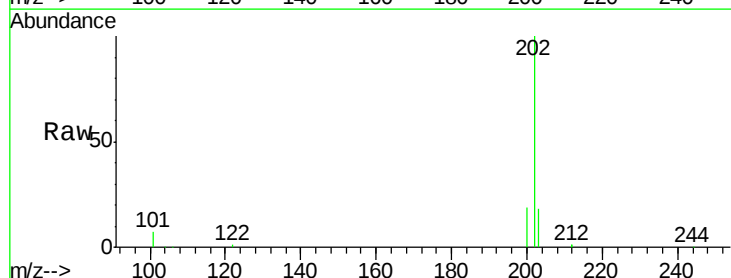
Instrument :
BNA_E
ClientSampleId :
PST-001-B194-042519MSD

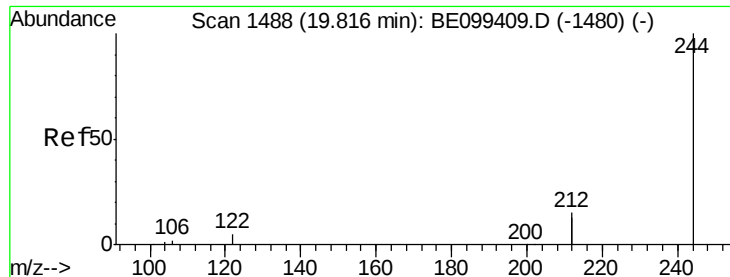
Tot Ion:240 Resp: 24641
Ion Ratio Lower Upper
240 100
120 3.9 4.0 6.0#
236 27.5 22.0 33.0



#28
Pyrene
Concen: 0.568 ng
RT: 19.61 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BE099496.D
Acq: 2 May 2019 16:54

Tgt Ion:202 Resp: 36505
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 18.2 13.9 20.9





#29

Terphenyl-d14

Concen: 0.399 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

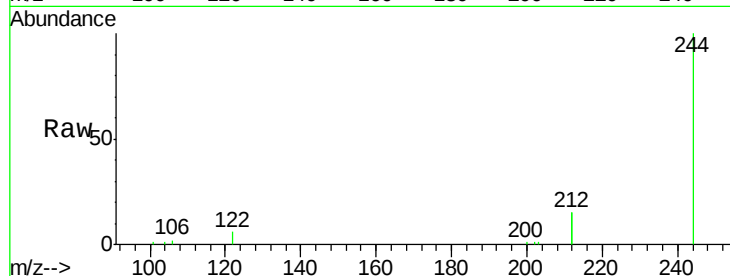
Tot Ion:244 Resp: 17985

Ion Ratio Lower Upper

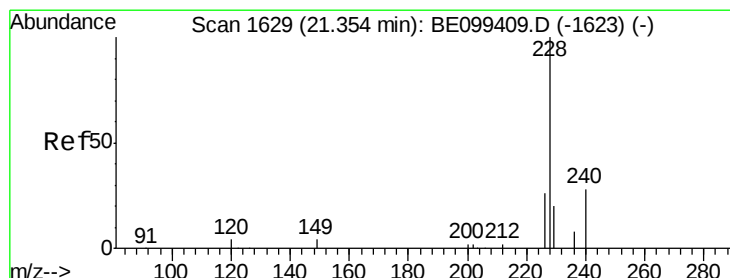
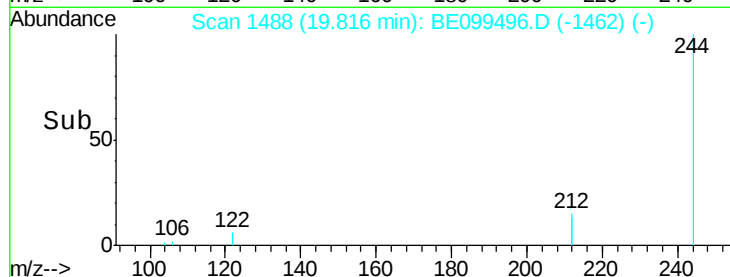
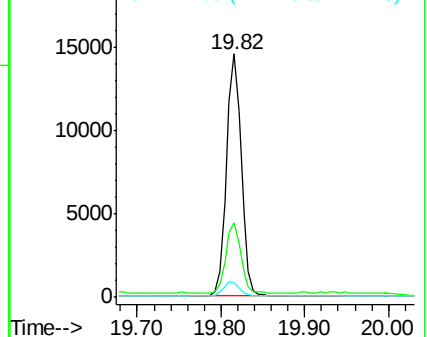
244 100

212 30.5 23.2 34.8

122 6.2 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: 0.546 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

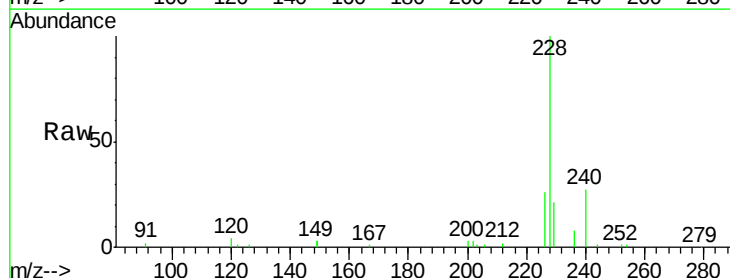
Tgt Ion:228 Resp: 42851

Ion Ratio Lower Upper

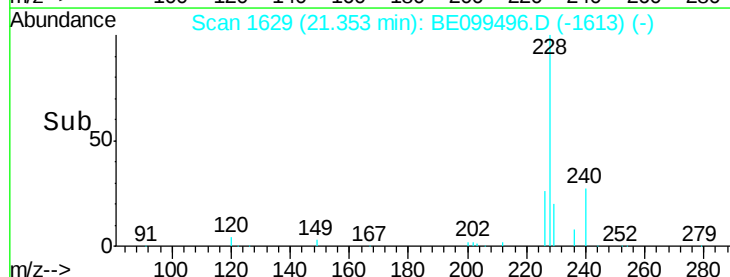
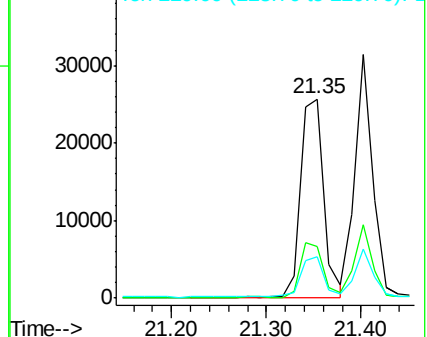
228 100

226 26.2 21.0 31.6

229 20.8 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: 0.528 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

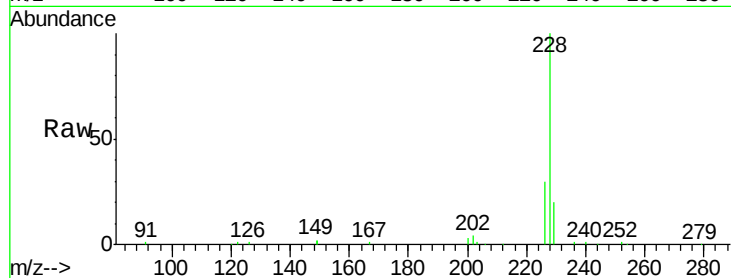
Tot Ion:228 Resp: 40566

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

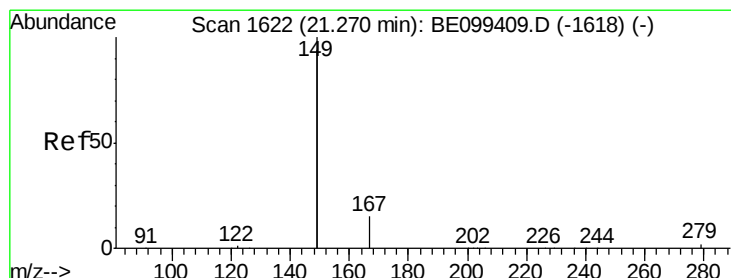
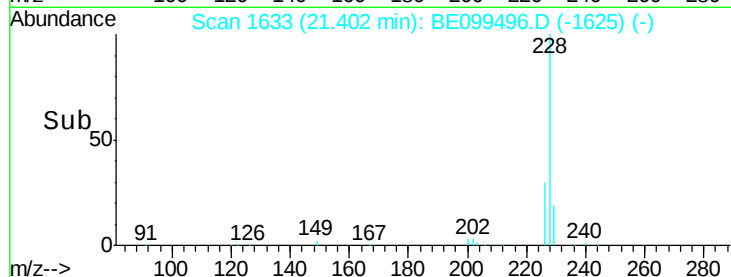
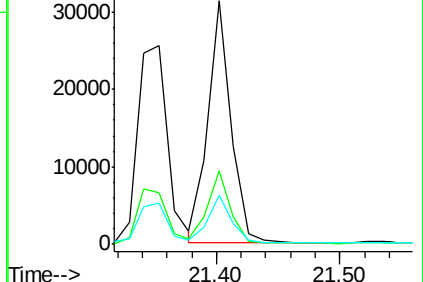
229 20.1 15.8 23.8



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: 0.495 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

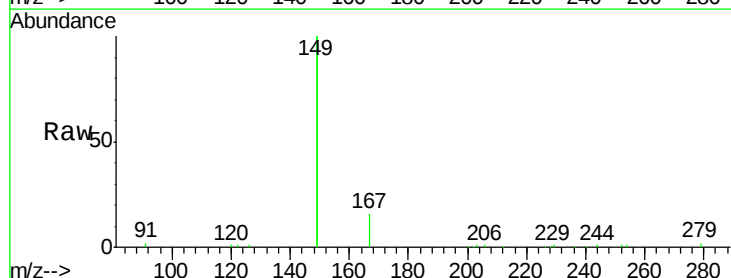
Tgt Ion:149 Resp: 62780

Ion Ratio Lower Upper

149 100

167 7.4 5.8 8.6

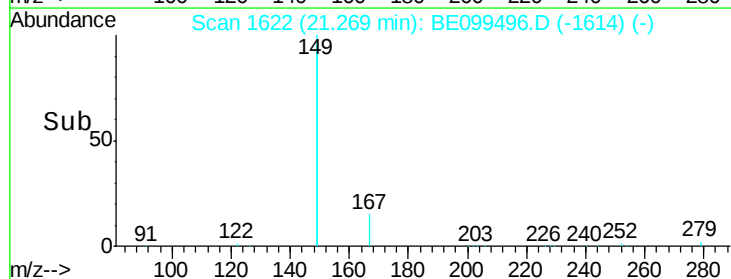
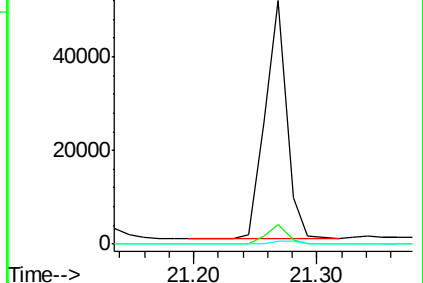
279 1.4 1.0 1.6



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

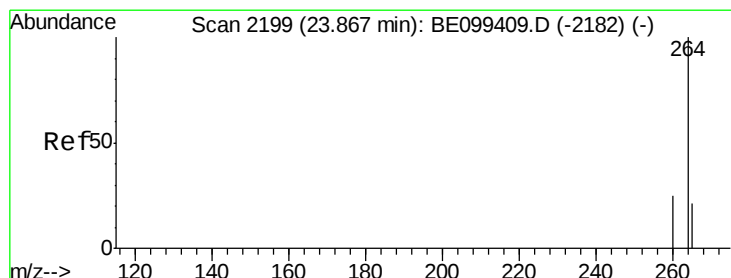
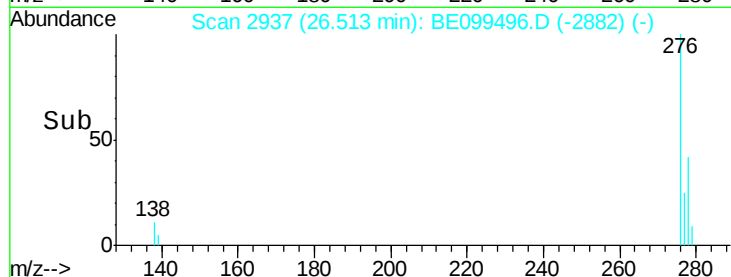
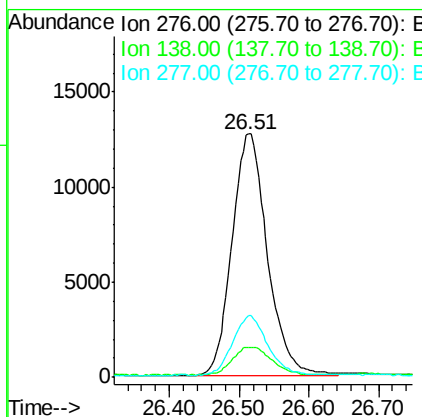
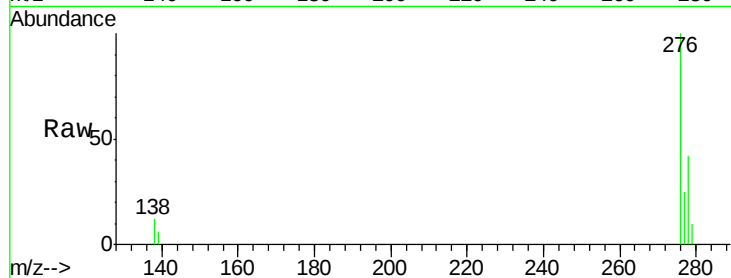




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.492 ng
 RT: 26.51 min Scan# 2937
 Delta R.T. -0.00 min
 Lab File: BE099496.D
 Acq: 2 May 2019 16:54

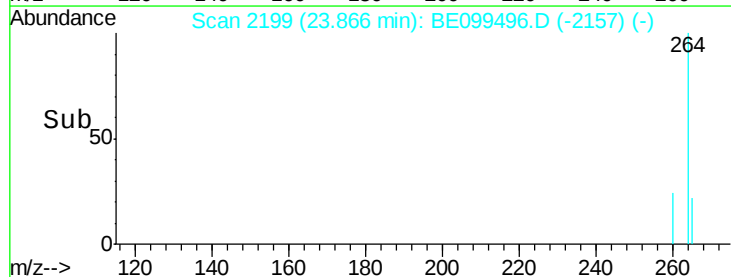
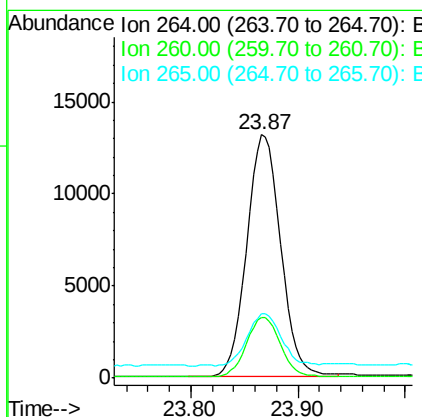
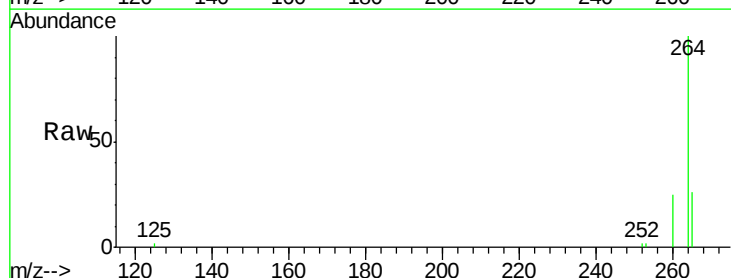
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B194-042519MSD

Tot Ion:276 Resp: 44661
 Ion Ratio Lower Upper
 276 100
 138 5.5 10.2 15.2#
 277 24.2 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BE099496.D
 Acq: 2 May 2019 16:54

Tgt Ion:264 Resp: 28685
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.2 30.2
 265 26.5 21.3 31.9





#35

Benzo(b)fluoranthene

Concen: 0.476 ng

RT: 23.15 min Scan# 1997

Delta R.T. 0.05 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

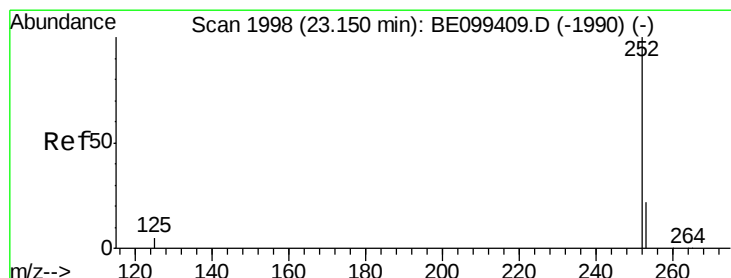
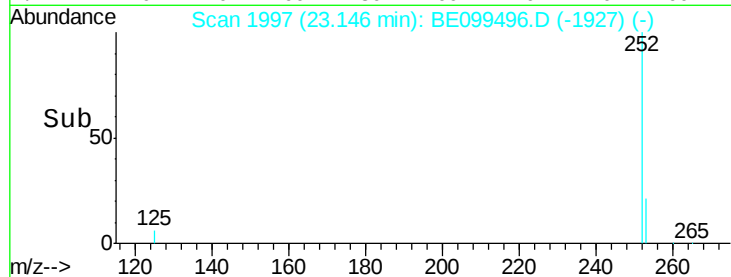
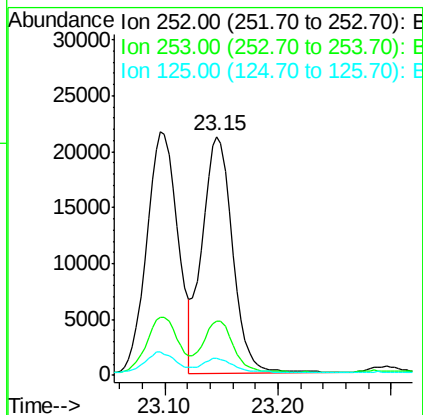
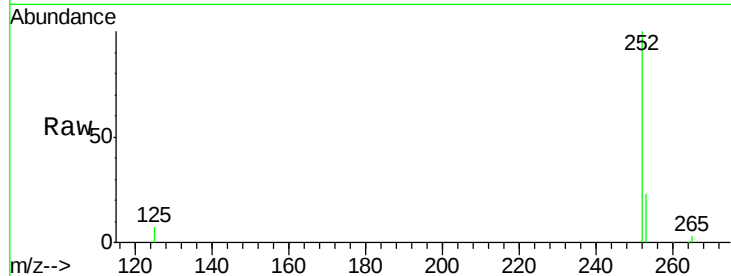
Tot Ion:252 Resp: 39380

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

125 7.0 5.6 8.4



#36

Benzo(k)fluoranthene

Concen: 0.496 ng

RT: 23.15 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

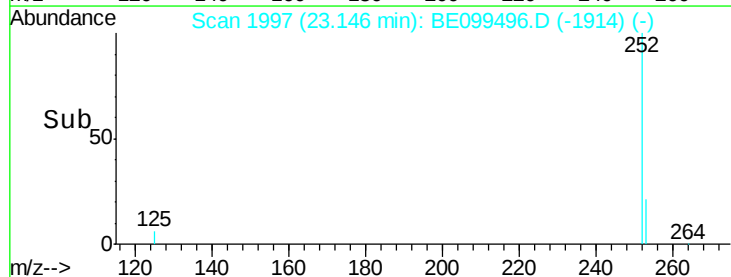
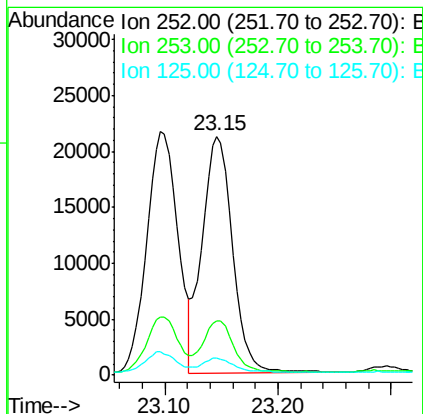
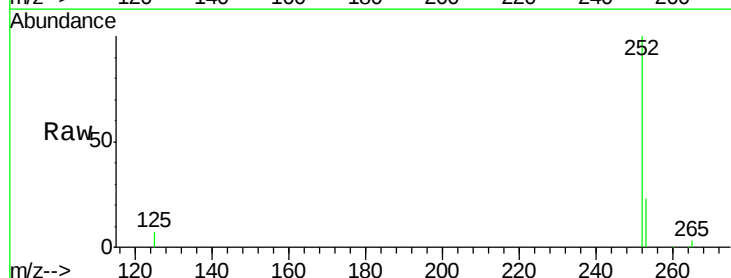
Tgt Ion:252 Resp: 39597

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

125 7.0 5.0 7.4





#37

Benzo(a)pyrene

Concen: 0.509 ng

RT: 23.76 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

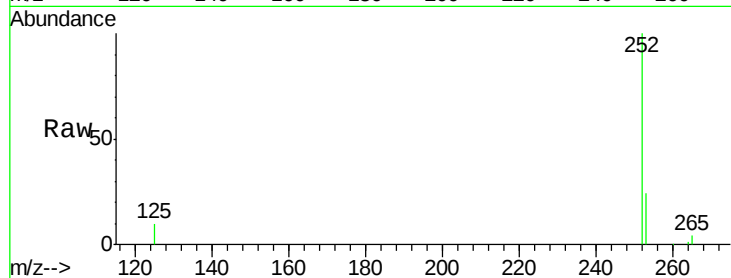
Tot Ion:252 Resp: 39786

Ion Ratio Lower Upper

252 100

253 23.8 18.9 28.3

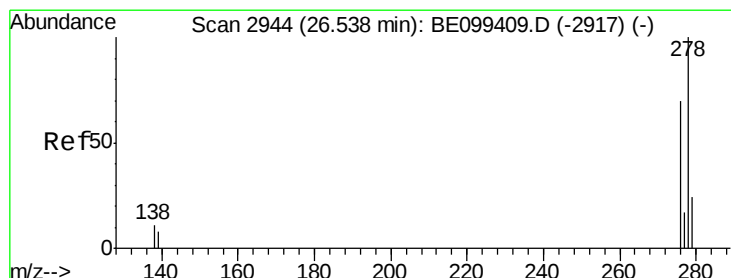
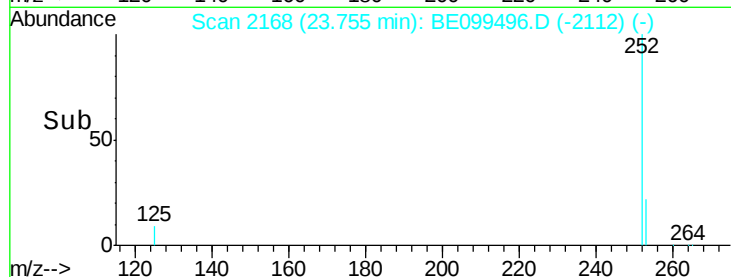
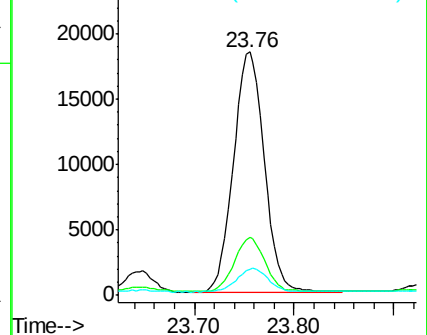
125 10.5 6.7 10.1#



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: 0.433 ng

RT: 26.53 min Scan# 2943

Delta R.T. -0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

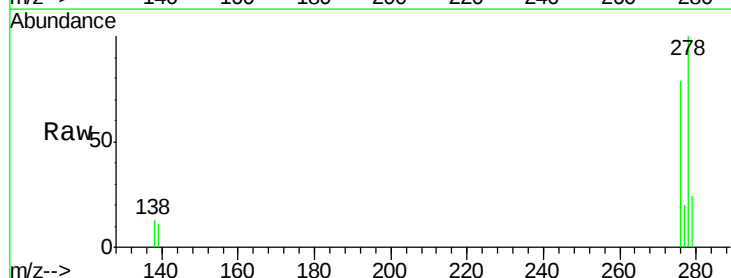
Tgt Ion:278 Resp: 34674

Ion Ratio Lower Upper

278 100

139 10.8 7.7 11.5

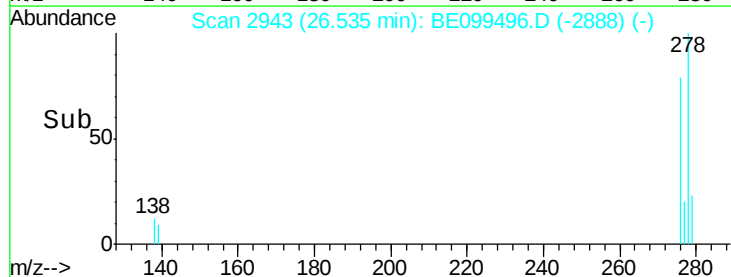
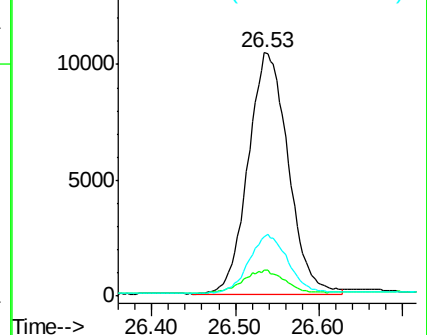
279 24.2 20.2 30.2



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: 0.472 ng

RT: 27.33 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BE099496.D

Acq: 2 May 2019 16:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B194-042519MSD

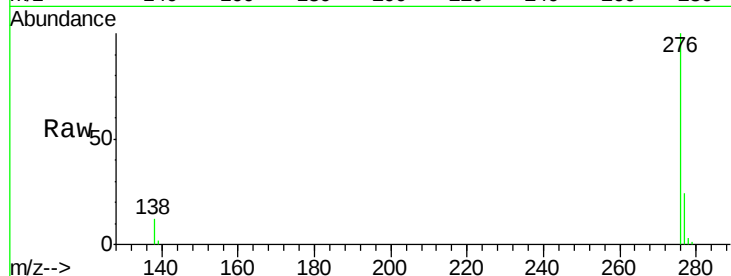
Tot Ion: 276 Resp: 37808

Ion Ratio Lower Upper

276 100

277 24.1 19.5 29.3

138 12.1 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

