

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050319\
 Data File : BE099537.D
 Acq On : 3 May 2019 19:30
 Operator : JU/SJ
 Sample : K2587-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B173-042319

Quant Time: May 03 23:37:18 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	7.82	152	2487	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	10040	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	7694	0.40	ng	0.01
19) Phenanthrene-d10	17.20	188	21791	0.40	ng	0.01
27) Chrysene-d12	21.38	240	25614	0.40	ng	0.01
34) Perylene-d12	23.89	264	30038	0.40	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2680	0.39	ng	0.00
5) Phenol-d6	6.98	99	3809	0.42	ng	0.00
8) Nitrobenzene-d5	8.96	82	3370	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	6243	0.35	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1988	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	9344	0.32	ng	0.00
25) Fluoranthene-d10	19.23	212	78590	0.27	ng	0.01
29) Terphenyl-d14	19.82	244	16292	0.35	ng	0.00

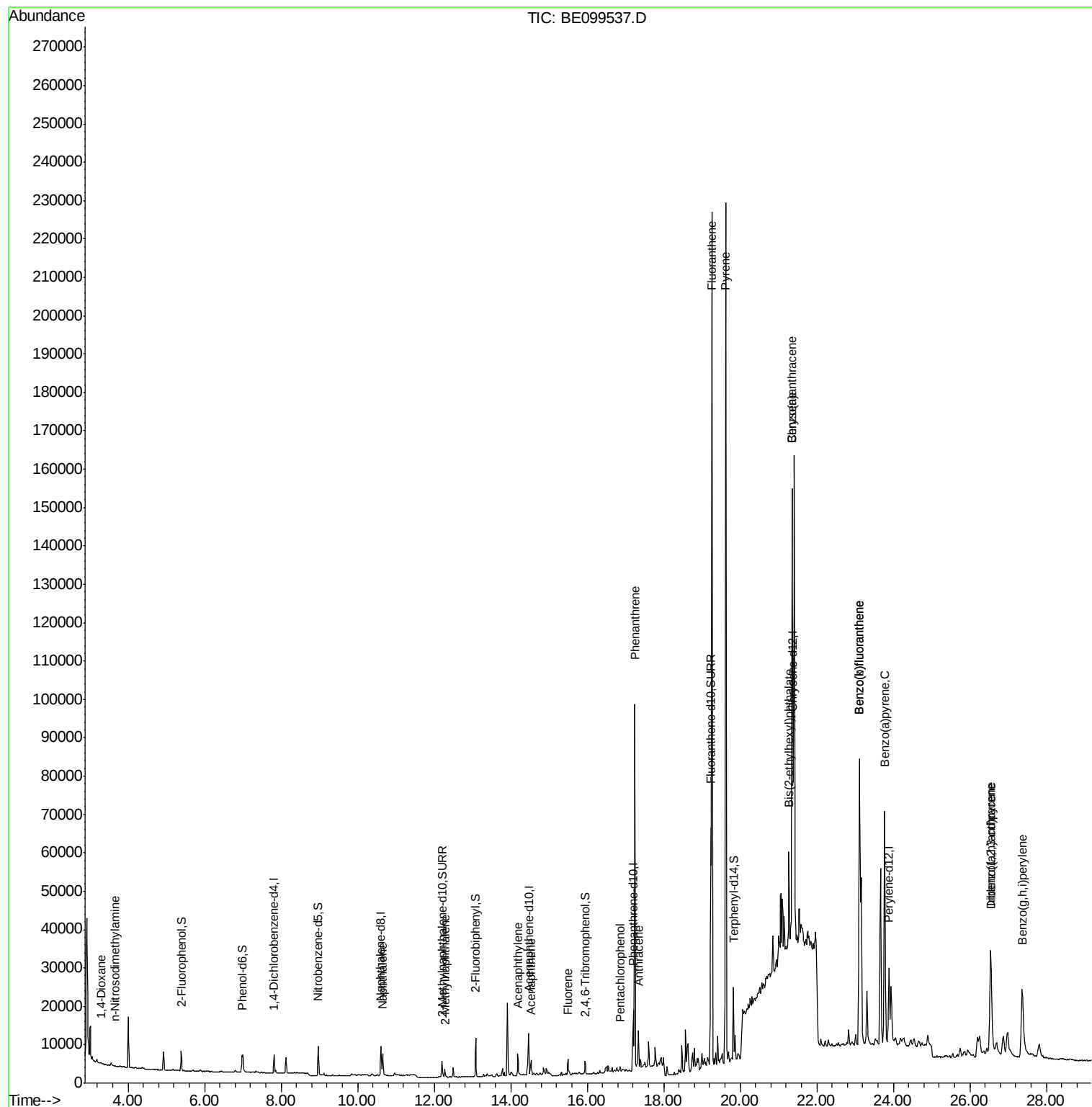
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	78	0.023	ng	# 27
3) n-Nitrosodimethylamine	3.65	42	49	0.024	ng	# 1
9) Naphthalene	10.65	128	9181	0.084	ng	# 97
12) 2-Methylnaphthalene	12.28	142	1443	0.076	ng	91
16) Acenaphthylene	14.18	152	8219	0.218	ng	98
17) Acenaphthene	14.53	154	1974	0.092	ng	94
18) Fluorene	15.50	166	4083	0.129	ng	# 90
22) Pentachlorophenol	16.85	266	67	0.225	ng	# 58
23) Phenanthrene	17.24	178	96987	1.725	ng	99
24) Anthracene	17.34	178	11713	0.219	ng	# 95
26) Fluoranthene	19.26	202	203725	2.419	ng	99
28) Pyrene	19.62	202	208849	3.128	ng	# 96
30) Benzo(a)anthracene	21.35	228	111428	1.365	ng	94
31) Chrysene	21.35	228	72328	0.906	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	24433	0.140	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.55	276	62292	0.660	ng	# 95
35) Benzo(b)fluoranthene	23.11	252	142439	1.645	ng	# 94
36) Benzo(k)fluoranthene	23.11	252	142439	1.705	ng	# 94
37) Benzo(a)pyrene	23.77	252	100969	1.233	ng	# 95
38) Dibenzo(a,h)anthracene	26.56	278	14706	0.176	ng	# 55
39) Benzo(g,h,i)perylene	27.37	276	60355	0.719	ng	# 90

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

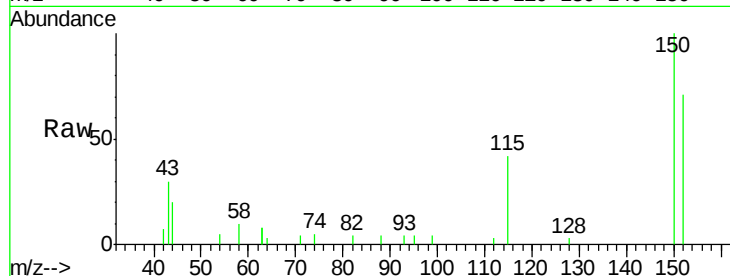
Tot Ion:152 Resp: 2487

Ion Ratio Lower Upper

152 100

150 140.5 104.8 157.2

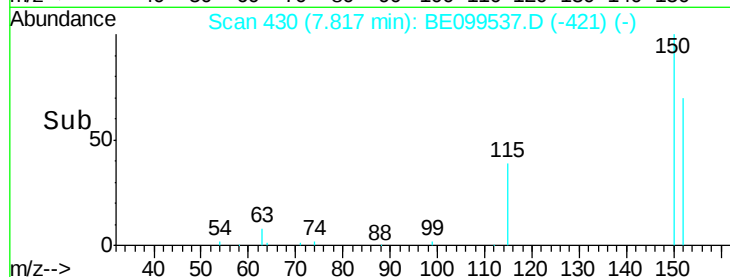
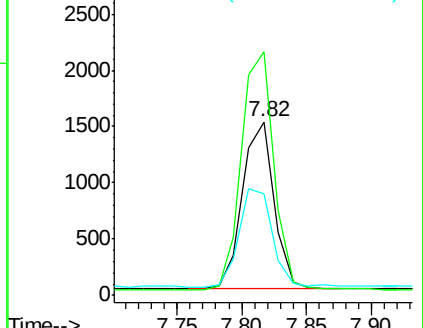
115 58.5 46.6 69.8



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: 0.023 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.02 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

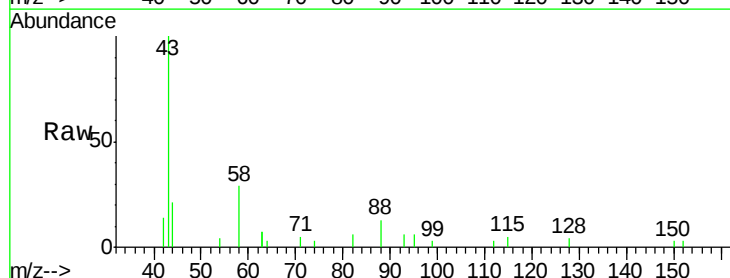
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

58 0.0 51.0 76.6#

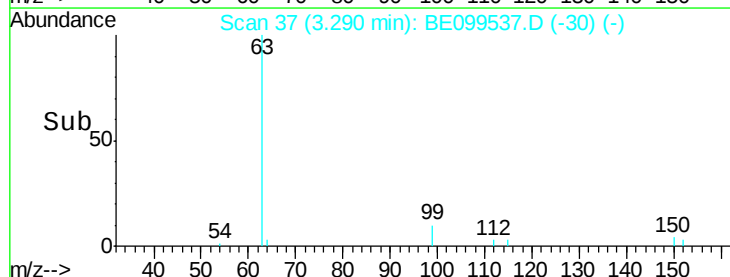
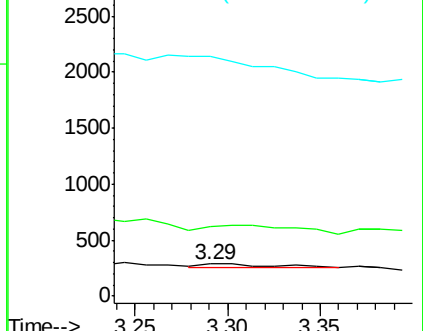
43 0.0 20.6 30.8#



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



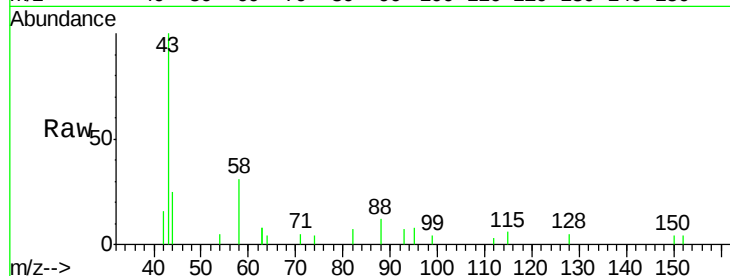


#3

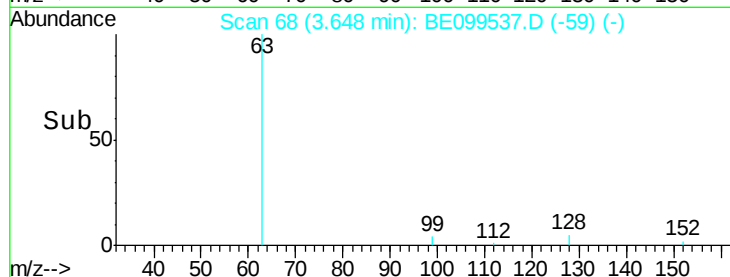
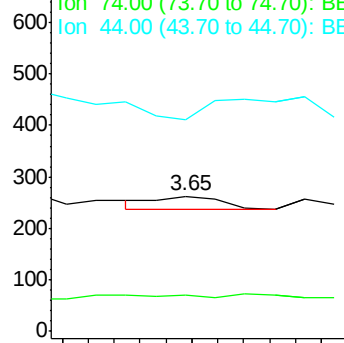
n-Nitrosodimethylamine
 Concen: 0.024 ng
 RT: 3.65 min Scan# 68
 Delta R.T. 0.00 min
 Lab File: BE099537.D
 Acq: 3 May 2019 19:30

Instrument :
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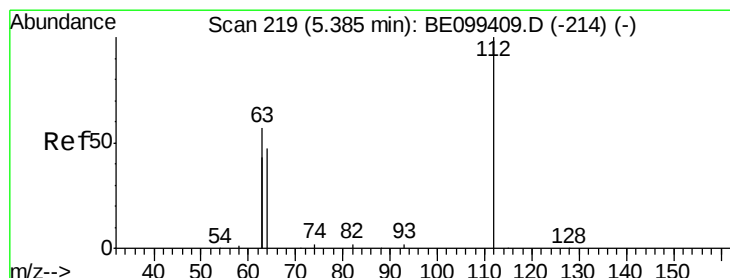
Tot Ion: 42 Resp: 49
 Ion Ratio Lower Upper
 42 100
 74 0.0 141.6 212.4#
 44 0.0 0.0 0.0



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



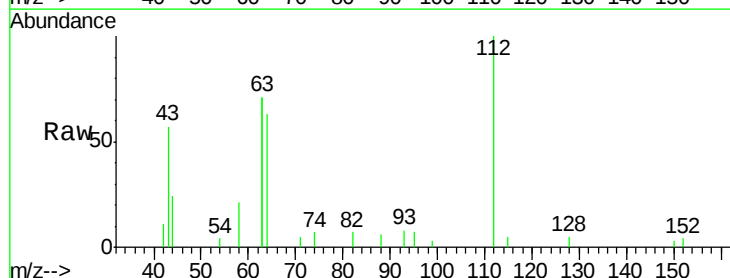
Time-->



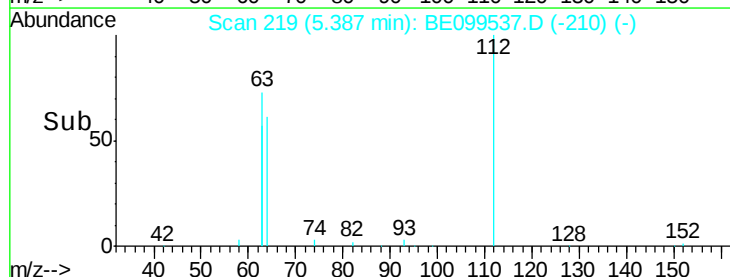
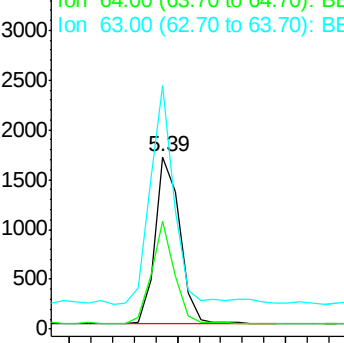
#4

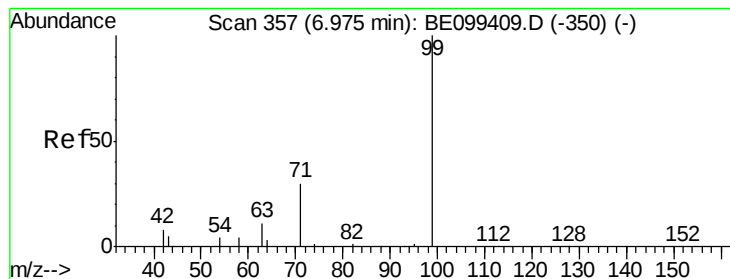
2-Fluorophenol
 Concen: 0.390 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE099537.D
 Acq: 3 May 2019 19:30

Tgt Ion: 112 Resp: 2680
 Ion Ratio Lower Upper
 112 100
 64 56.4 47.4 71.0
 63 125.9 104.3 156.5



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: 0.416 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

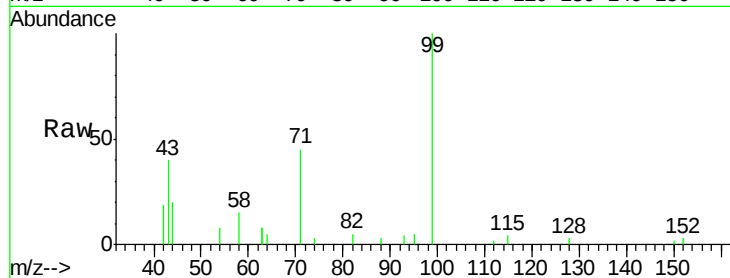
Tot Ion: 99 Resp: 3809

Ion Ratio Lower Upper

99 100

42 18.8 14.9 22.3

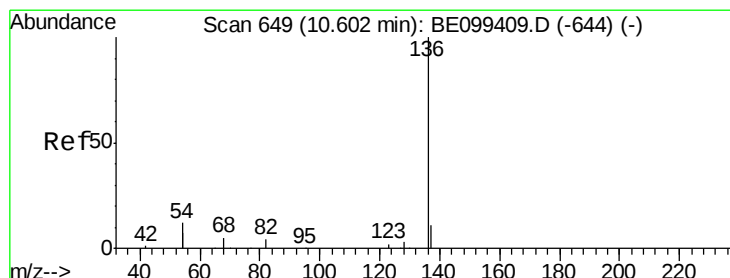
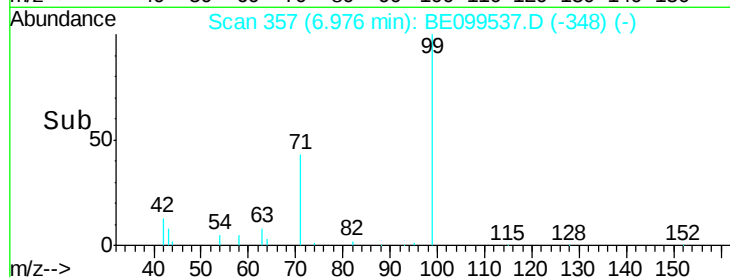
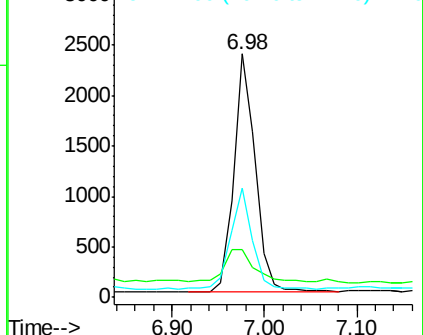
71 42.5 33.0 49.6



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Tgt Ion: 136 Resp: 10040

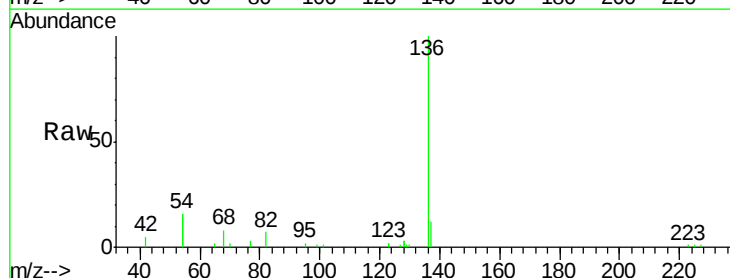
Ion Ratio Lower Upper

136 100

137 11.7 9.8 14.8

54 32.6 18.5 27.7#

68 8.2 4.7 7.1#

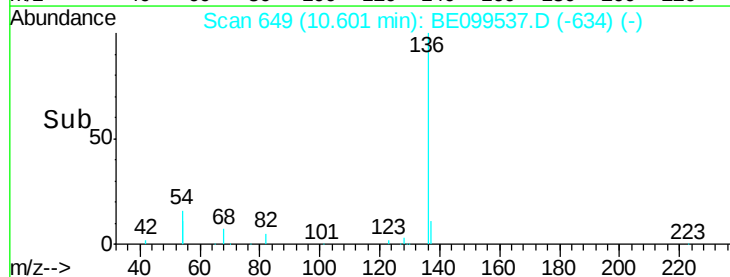
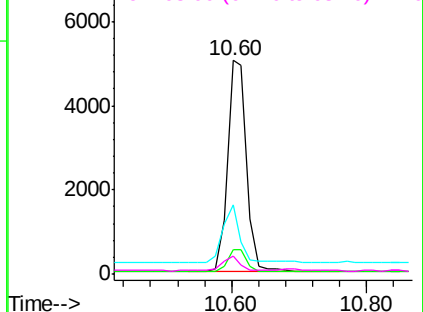


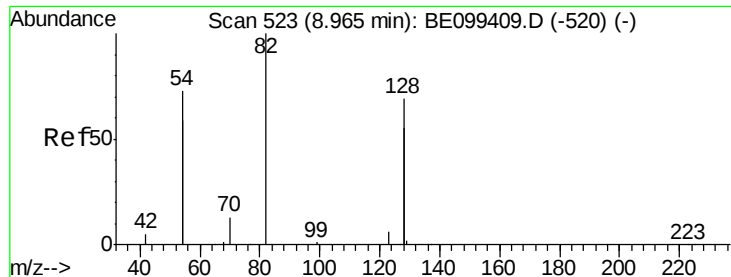
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.358 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

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PST-003-B173-042319

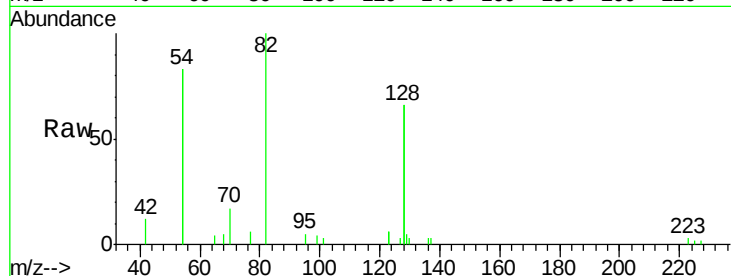
Tot Ion: 82 Resp: 3370

Ion Ratio Lower Upper

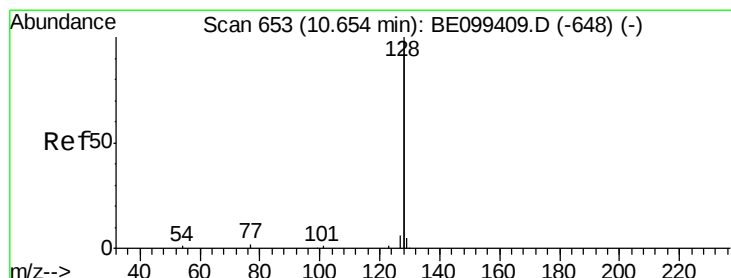
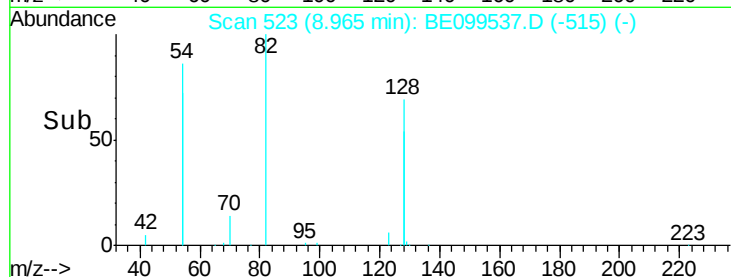
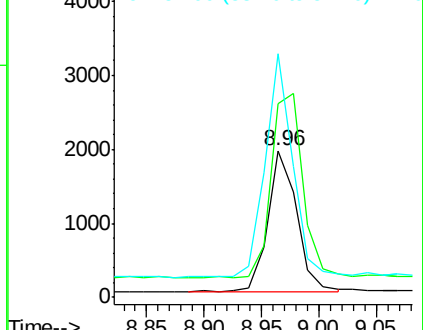
82 100

128 131.9 107.0 160.4

54 166.0 113.1 169.7



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.084 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

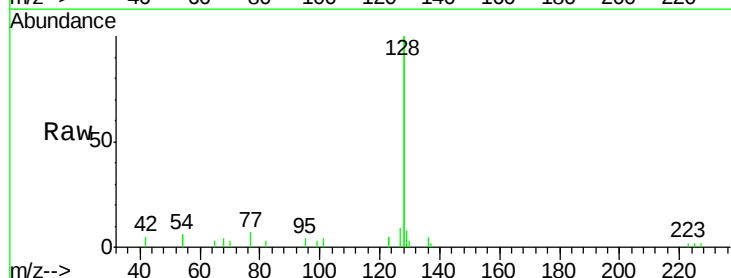
Tgt Ion: 128 Resp: 9181

Ion Ratio Lower Upper

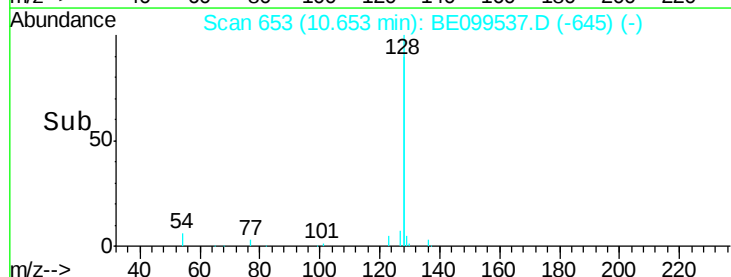
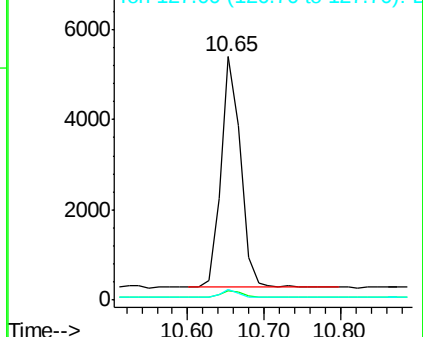
128 100

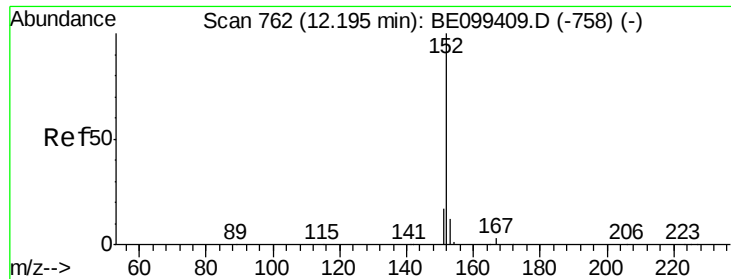
129 3.9 2.4 3.6#

127 4.5 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

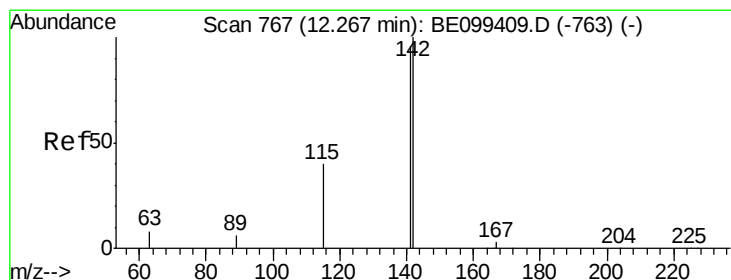
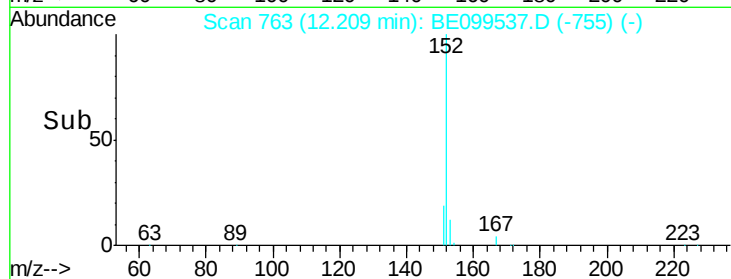
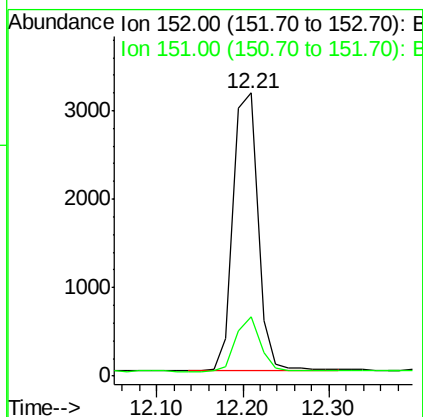
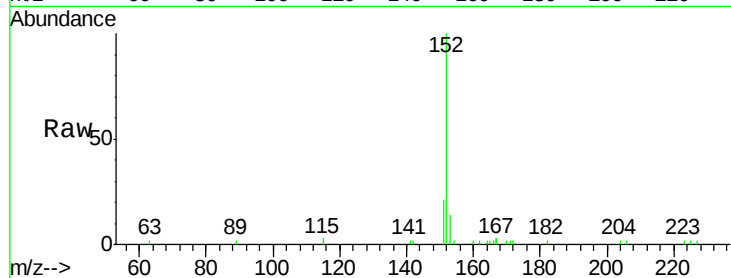




#11
 2-Methylnaphthalene-d10
 Concen: 0.345 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099537.D
 Acq: 3 May 2019 19:30

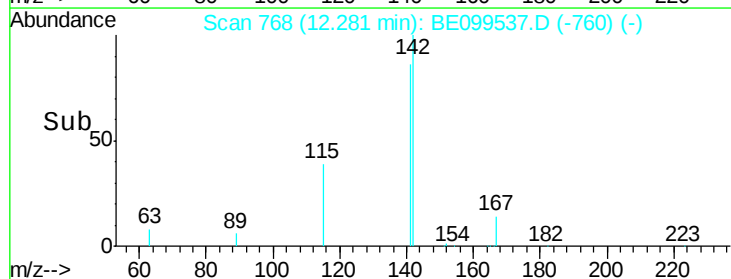
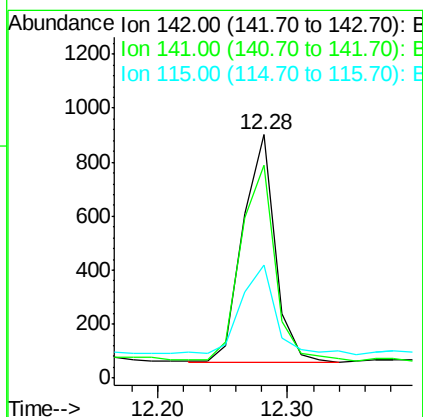
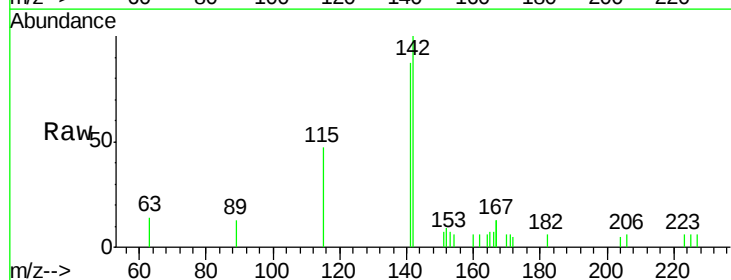
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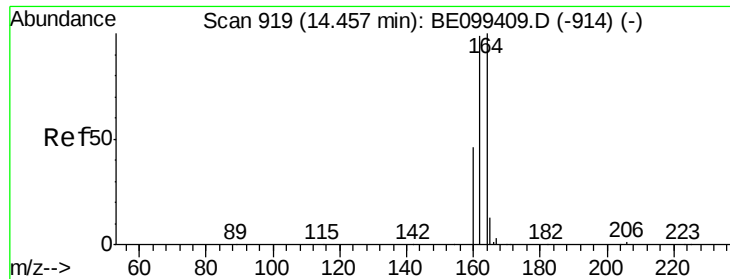
Tot Ion:152 Resp: 6243
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.5 23.3



#12
 2-Methylnaphthalene
 Concen: 0.076 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099537.D
 Acq: 3 May 2019 19:30

Tgt Ion:142 Resp: 1443
 Ion Ratio Lower Upper
 142 100
 141 87.5 77.0 115.4
 115 46.7 33.4 50.0

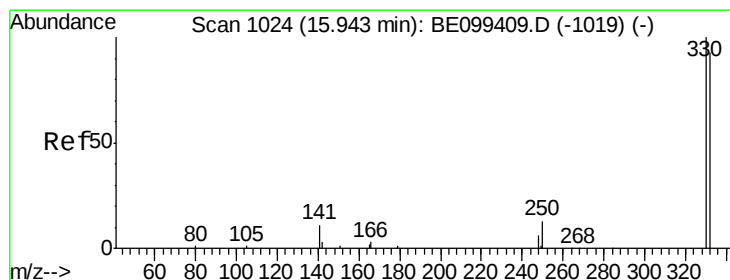
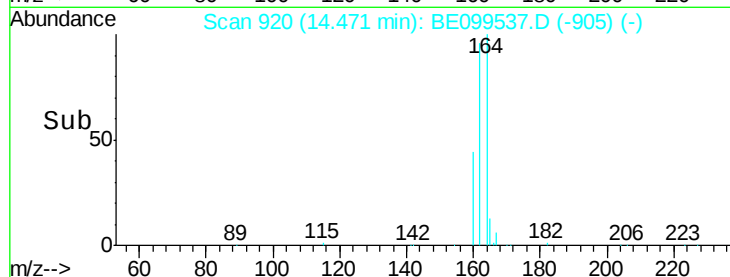
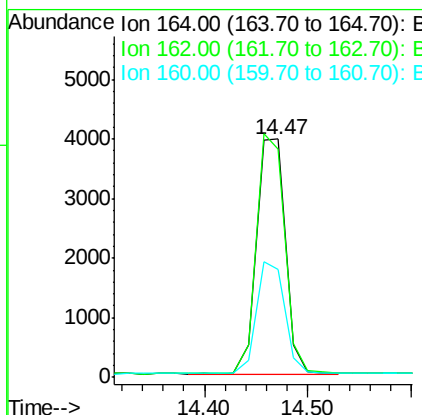
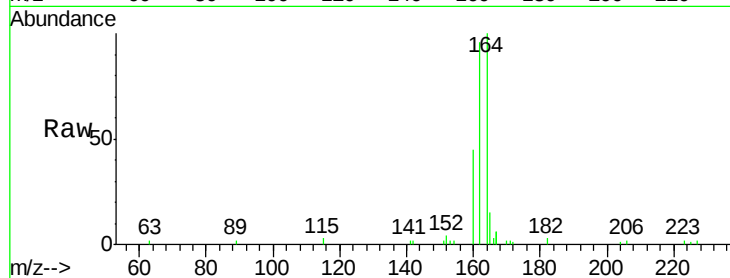




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

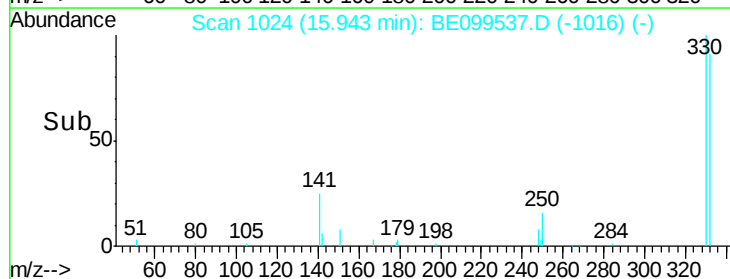
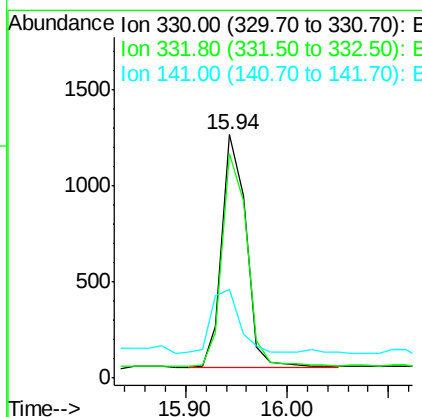
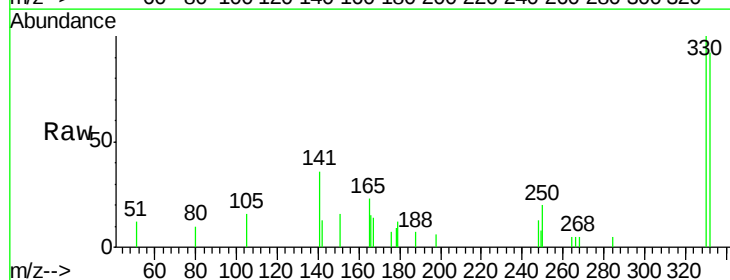
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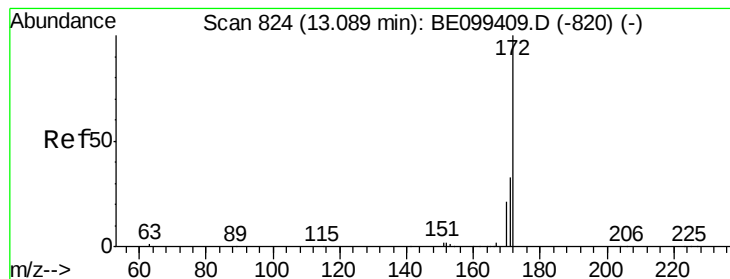
Tot Ion:164 Resp: 7694
Ion Ratio Lower Upper
164 100
162 95.7 79.0 118.4
160 45.2 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.410 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:330 Resp: 1988
Ion Ratio Lower Upper
330 100
332 95.5 71.5 107.3
141 32.6 24.0 36.0





#15

2-Fluorobiphenyl

Concen: 0.318 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

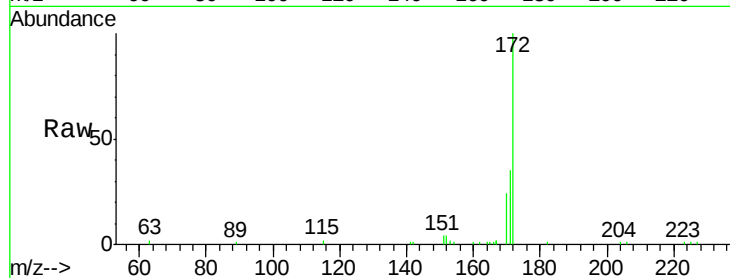
Tot Ion:172 Resp: 9344

Ion Ratio Lower Upper

172 100

171 34.9 26.6 39.8

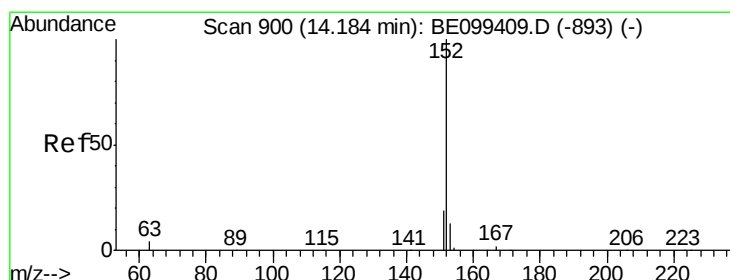
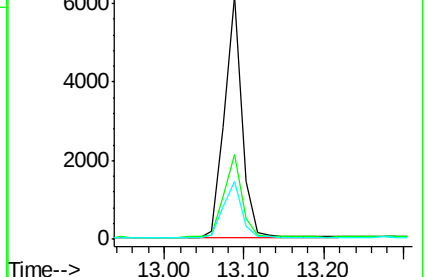
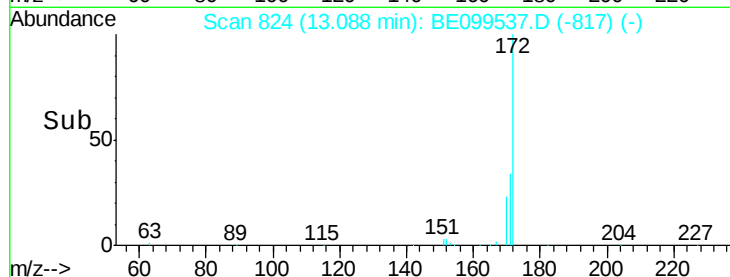
170 23.8 17.0 25.6



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: 0.218 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

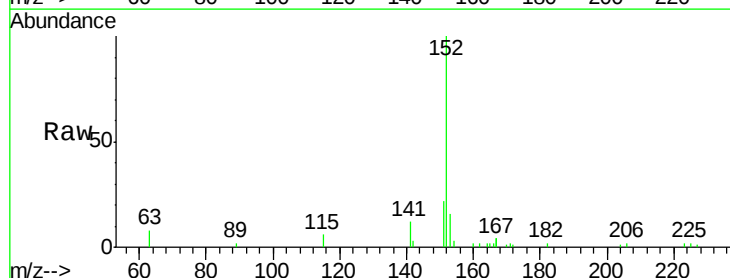
Tgt Ion:152 Resp: 8219

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.2

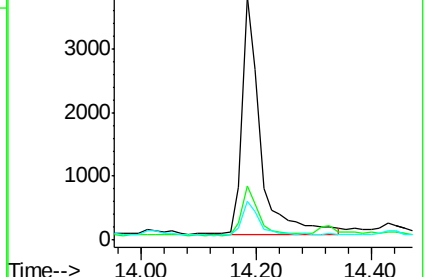
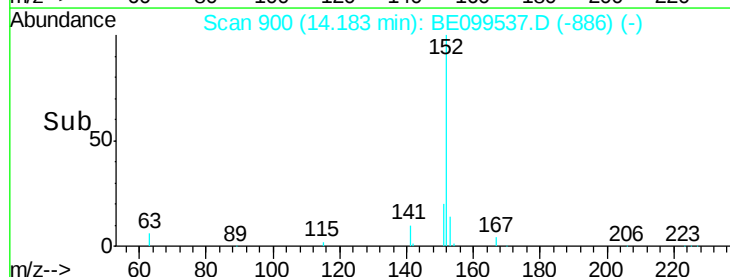
153 14.0 9.8 14.6

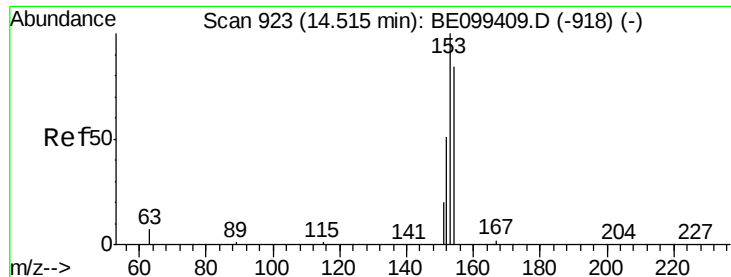


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.092 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

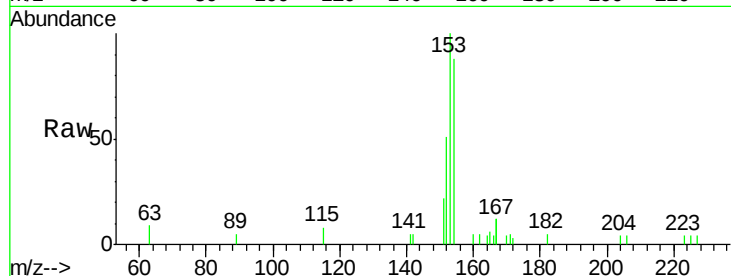
Tot Ion:154 Resp: 1974

Ion Ratio Lower Upper

154 100

153 124.6 92.6 138.8

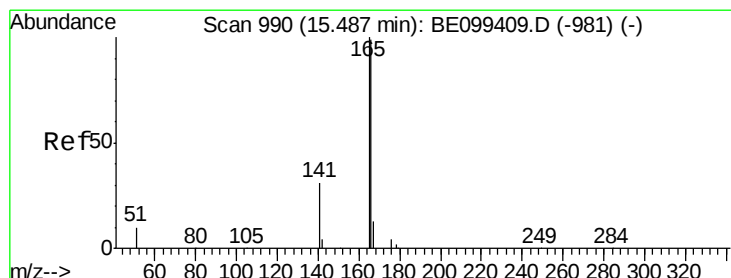
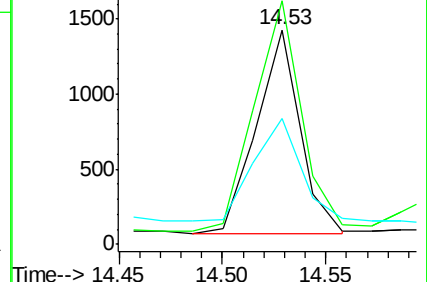
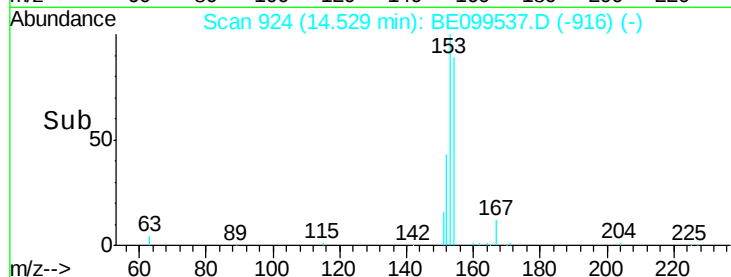
152 55.2 45.8 68.8



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: 0.129 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.01 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

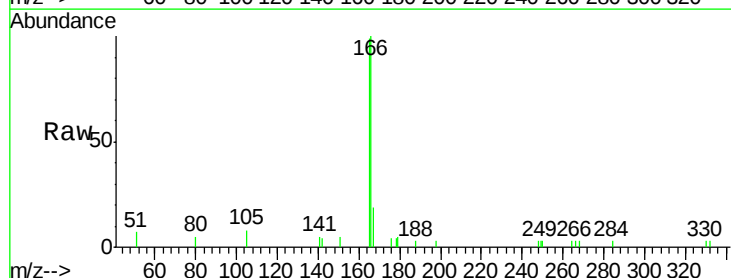
Tgt Ion:166 Resp: 4083

Ion Ratio Lower Upper

166 100

165 110.3 80.3 120.5

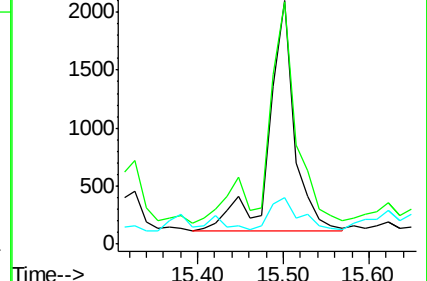
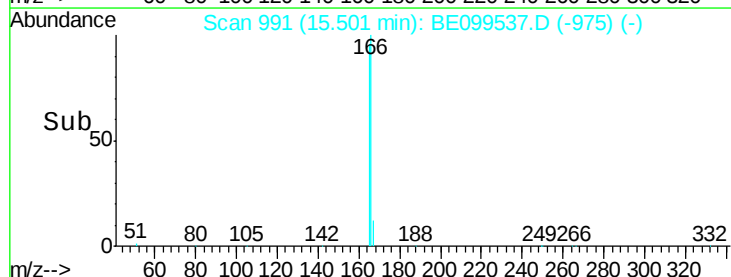
167 16.3 10.7 16.1#

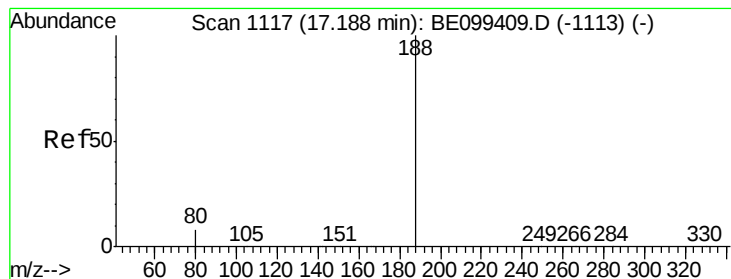


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

Tot Ion:188 Resp: 21791

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.4 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

17.20

15000

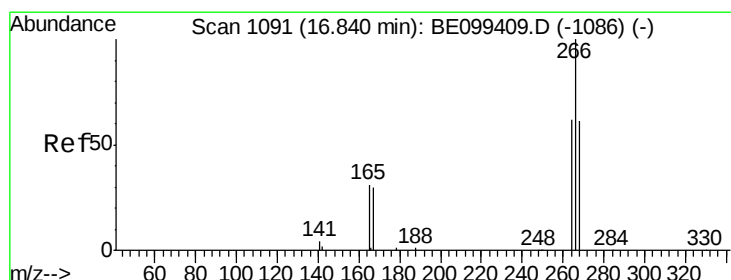
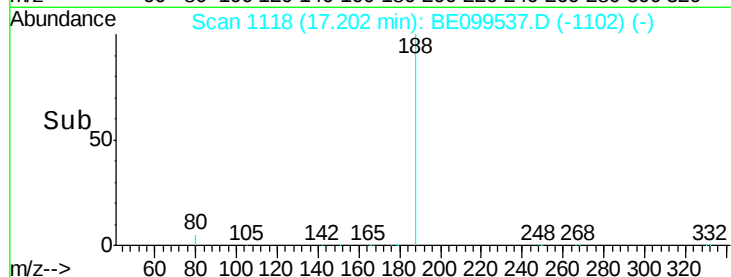
10000

5000

0

Time-->

17.10 17.20 17.30



#22

Pentachlorophenol

Concen: 0.225 ng

RT: 16.85 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

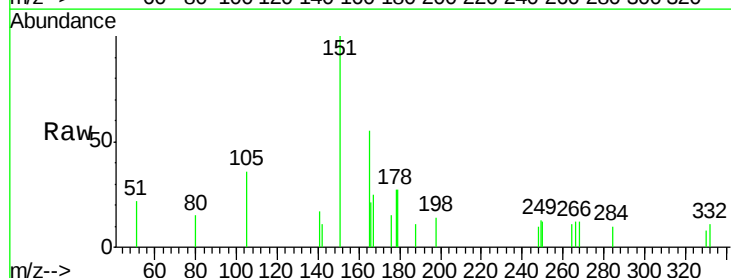
Tgt Ion:266 Resp: 67

Ion Ratio Lower Upper

266 100

264 91.3 50.8 76.2#

268 100.0 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

16.85

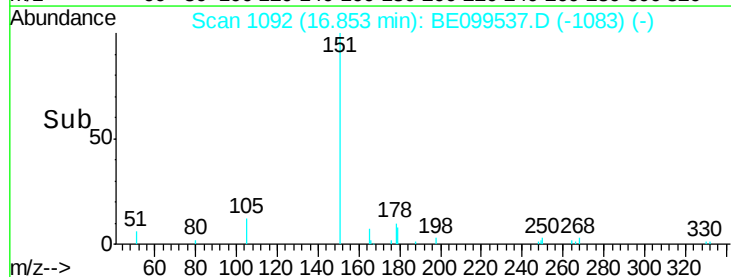
100

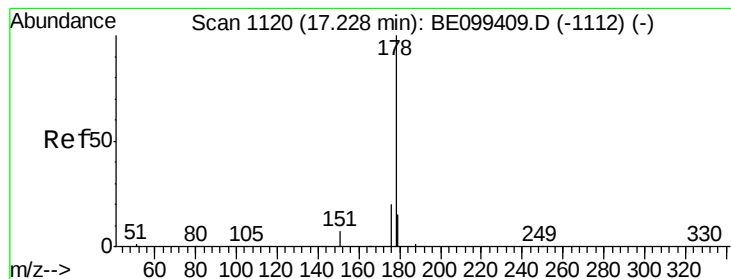
50

0

Time-->

16.75 16.80 16.85 16.90





#23

Phenanthrene

Concen: 1.725 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

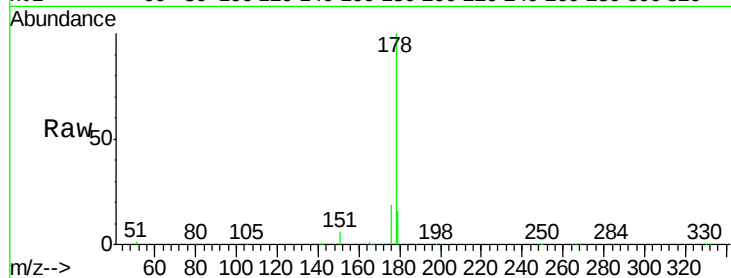
Tot Ion:178 Resp: 96987

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

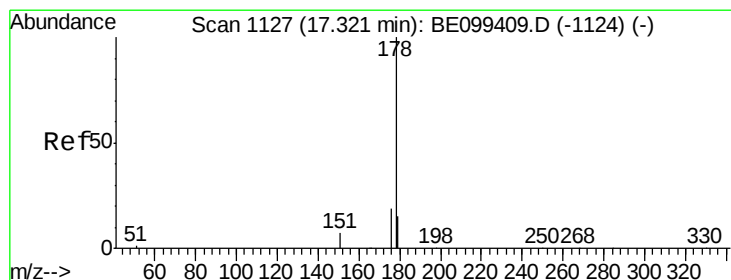
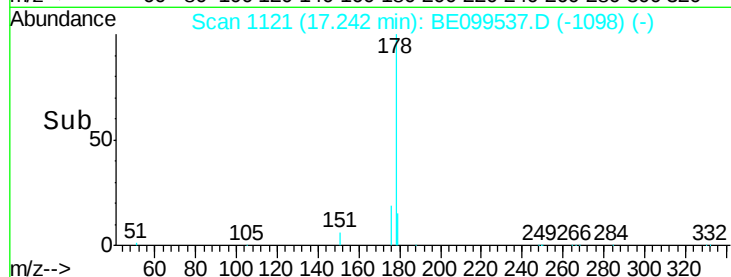
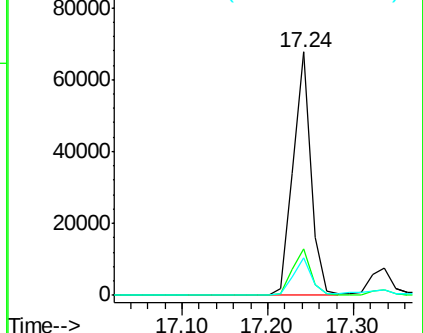
179 15.5 12.0 18.0



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: 0.219 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

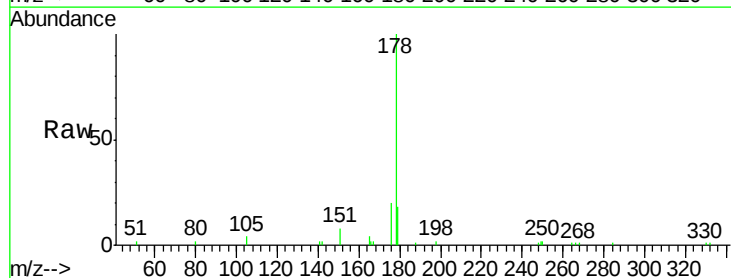
Tgt Ion:178 Resp: 11713

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

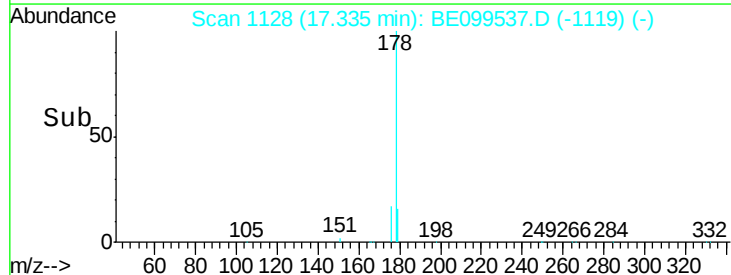
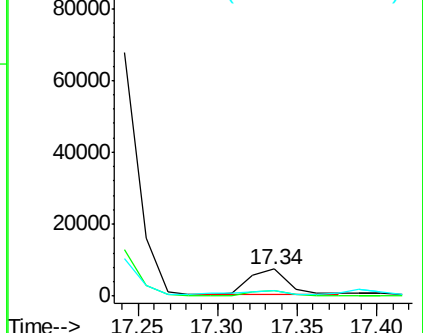
179 19.7 11.9 17.9#

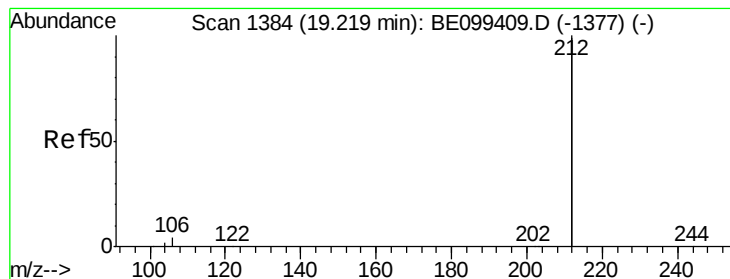


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.268 ng

RT: 19.23 min Scan# 1386

Delta R.T. 0.01 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

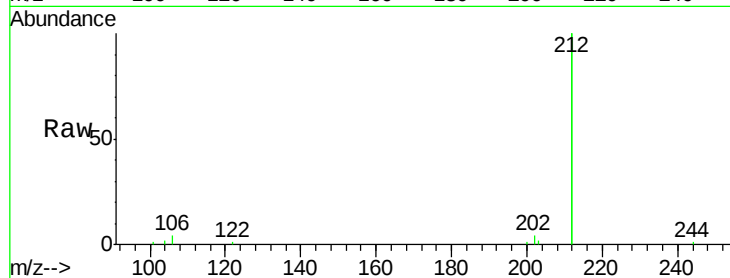
Tot Ion:212 Resp: 78590

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

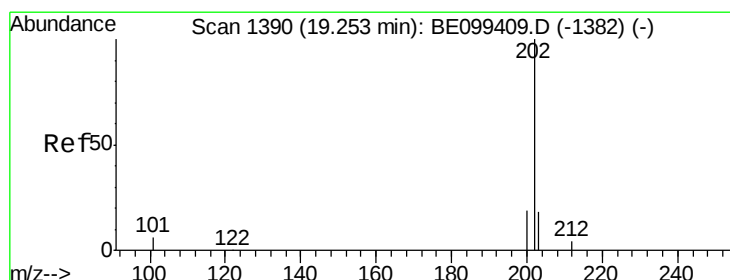
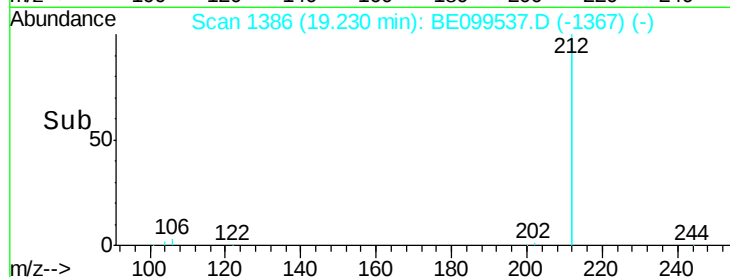
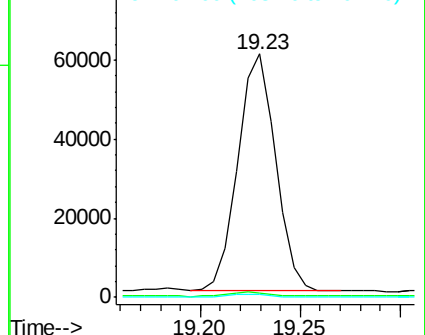
104 1.0 0.9 1.3



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: 2.419 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

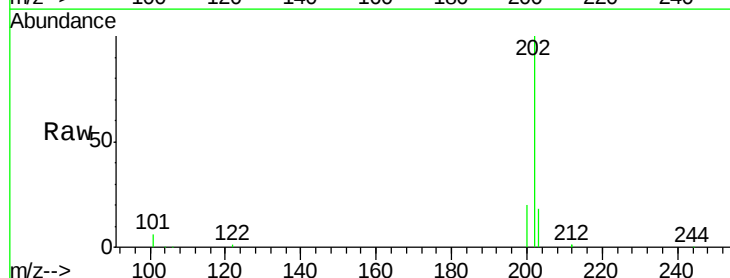
Tgt Ion:202 Resp: 203725

Ion Ratio Lower Upper

202 100

101 6.0 5.4 8.0

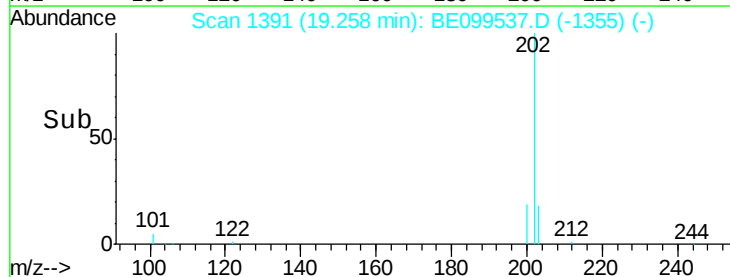
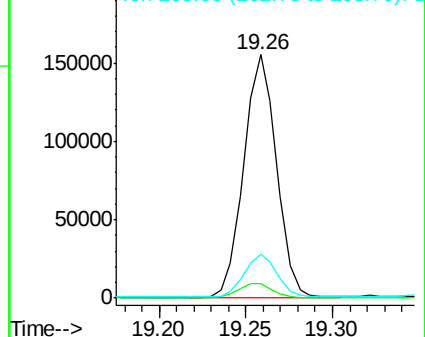
203 17.6 13.9 20.9

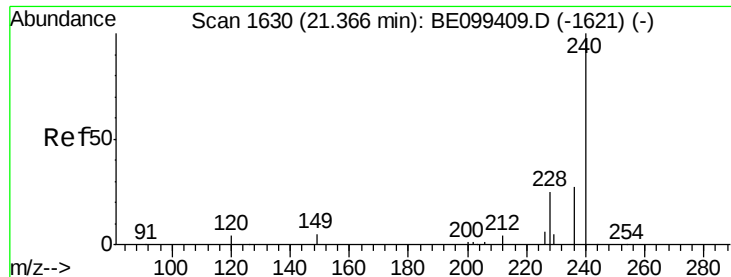


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.38 min Scan# 1631

Delta R.T. 0.01 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

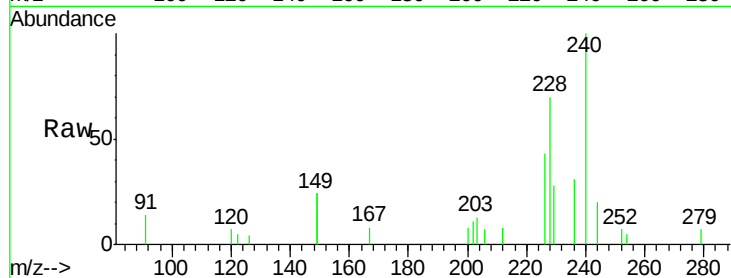
Tot Ion:240 Resp: 25614

Ion Ratio Lower Upper

240 100

120 7.1 4.0 6.0#

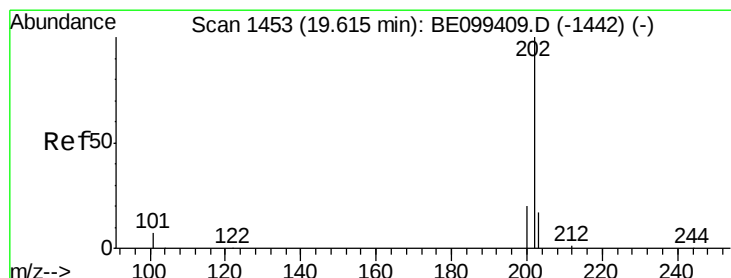
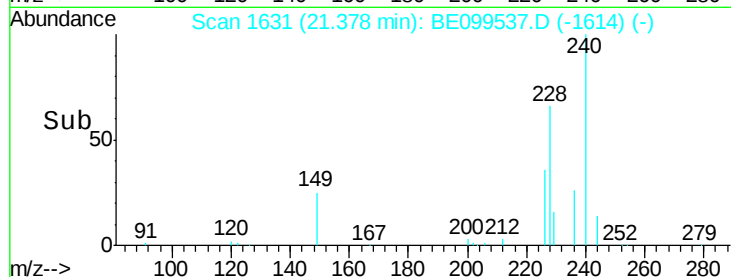
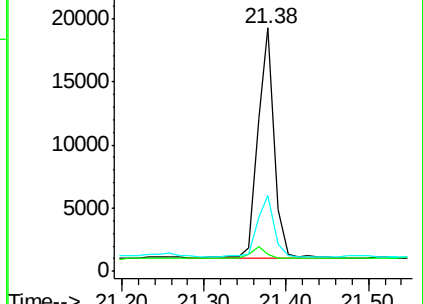
236 31.2 22.0 33.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 3.128 ng

RT: 19.62 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

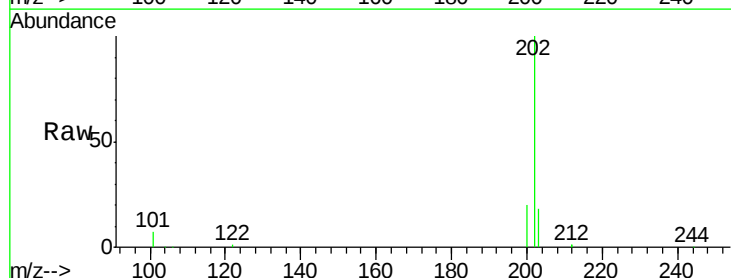
Tgt Ion:202 Resp: 208849

Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

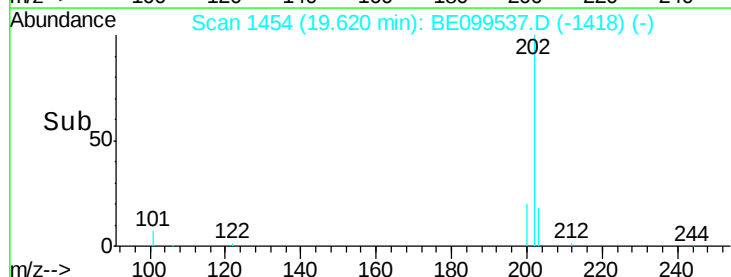
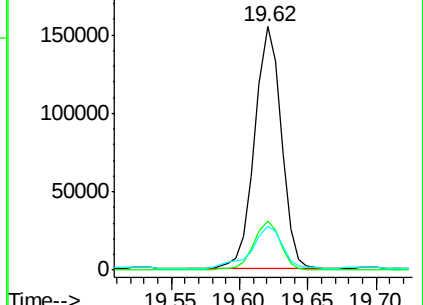
203 21.0 13.9 20.9#

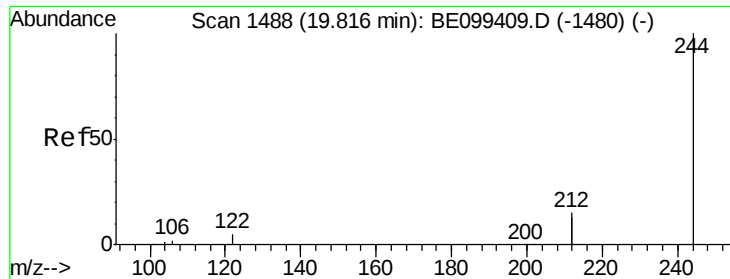


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.347 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

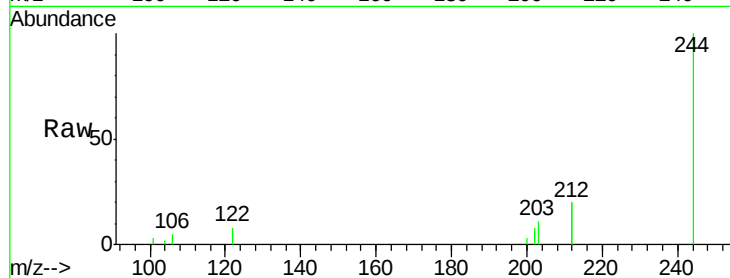
Tot Ion:244 Resp: 16292

Ion Ratio Lower Upper

244 100

212 40.3 23.2 34.8#

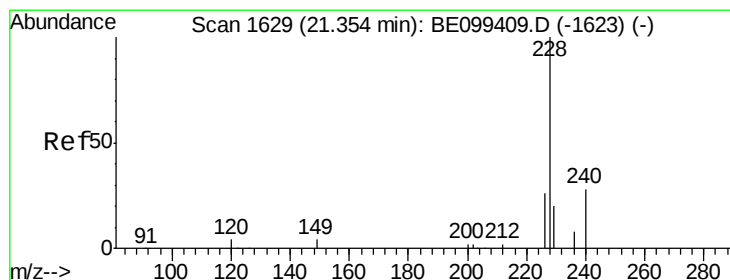
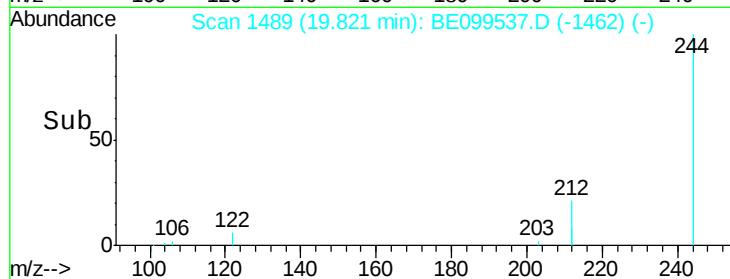
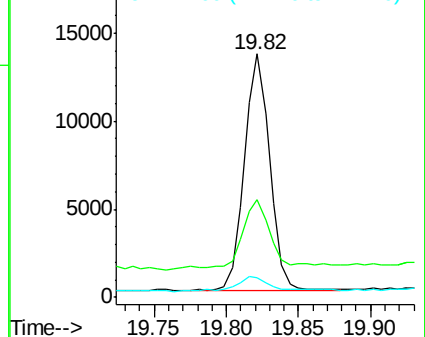
122 8.0 4.2 6.4#



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: 1.365 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

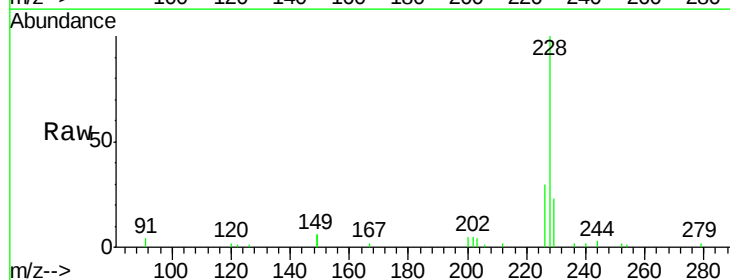
Tgt Ion:228 Resp: 111428

Ion Ratio Lower Upper

228 100

226 30.3 21.0 31.6

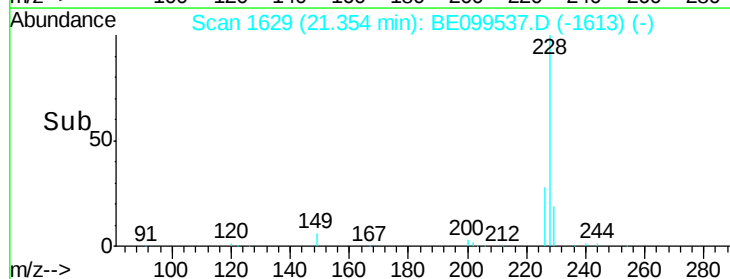
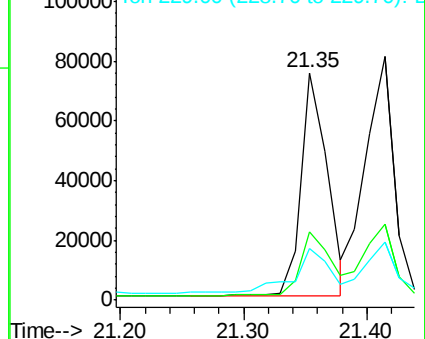
229 22.7 16.6 25.0

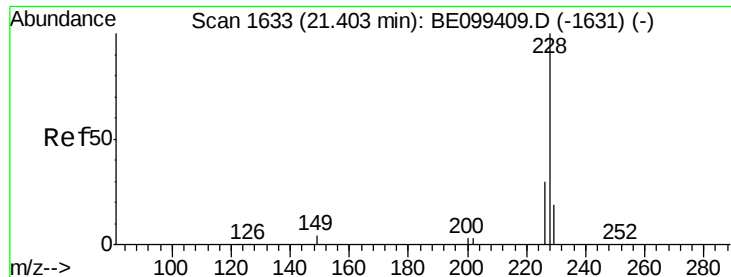


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.906 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.05 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

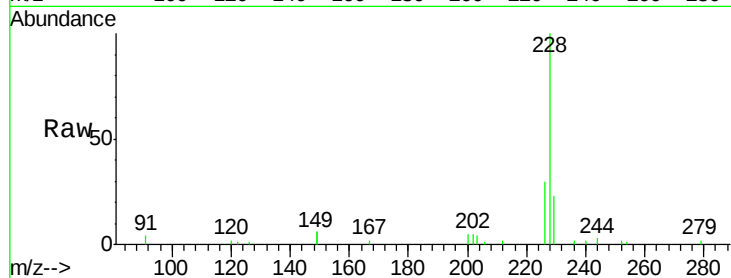
Tot Ion:228 Resp: 72328

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

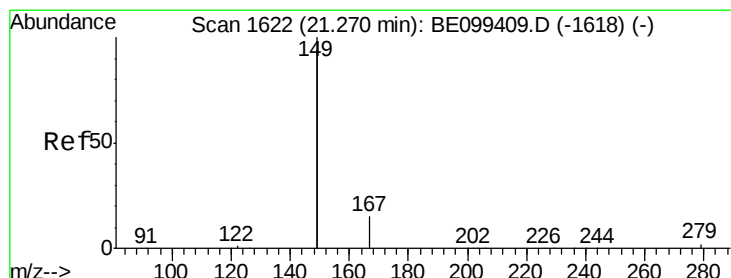
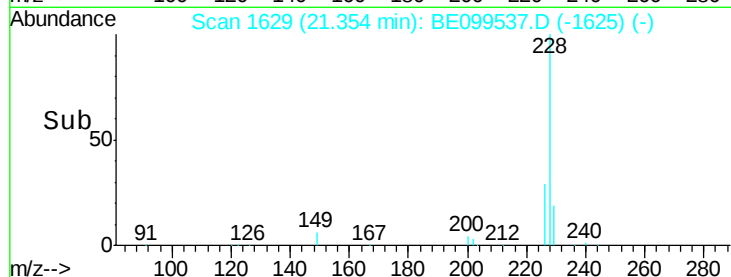
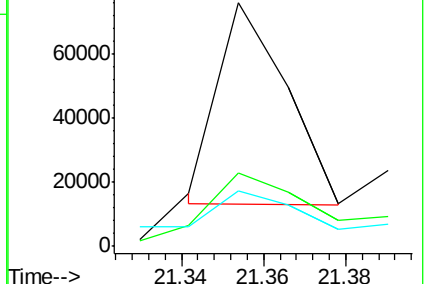
229 22.7 15.8 23.8



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: 0.140 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

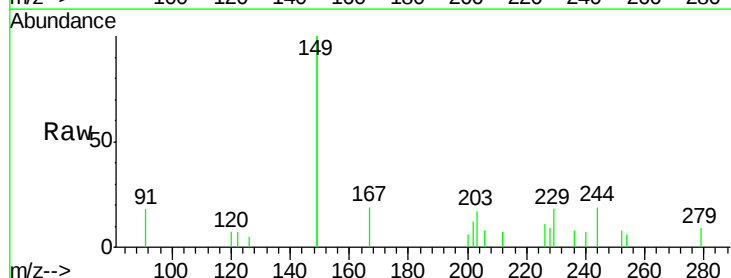
Tgt Ion:149 Resp: 24433

Ion Ratio Lower Upper

149 100

167 7.9 5.8 8.6

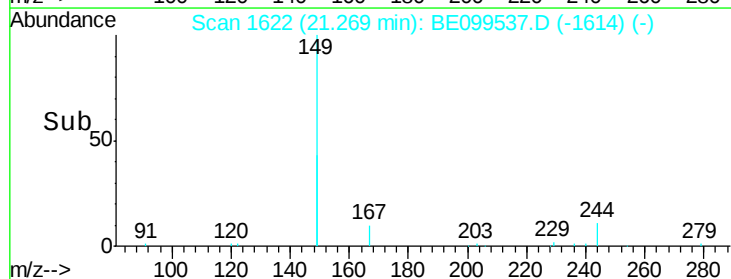
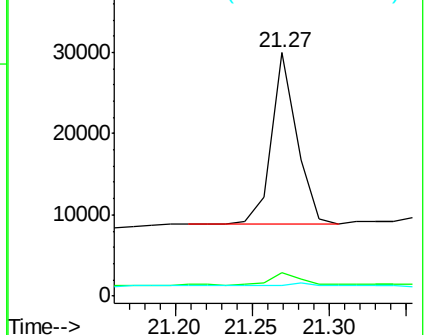
279 1.8 1.0 1.6#

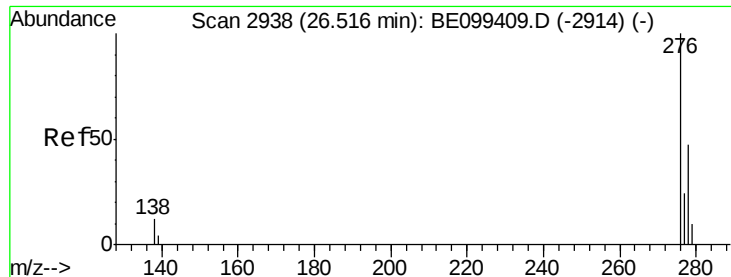


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

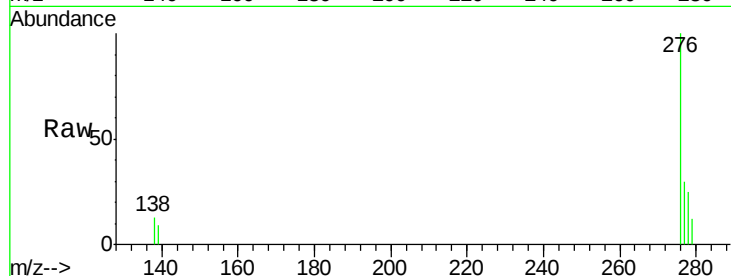




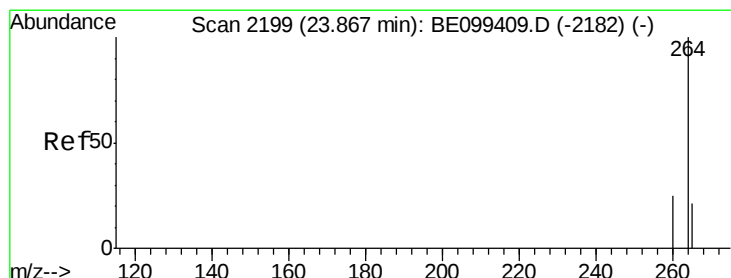
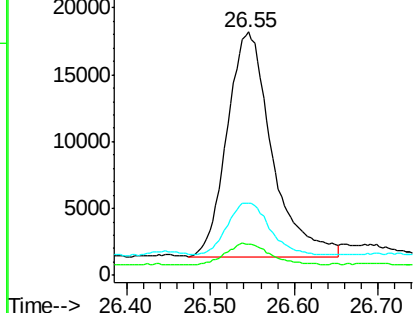
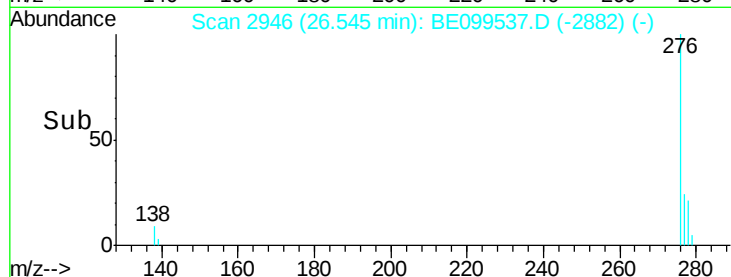
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.660 ng
RT: 26.55 min Scan# 2946
Delta R.T. 0.03 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Instrument :
BNA_E
ClientSampleId :
PST-003-B173-042319

Tot Ion:276 Resp: 62292
Ion Ratio Lower Upper
276 100
138 9.5 10.2 15.2#
277 22.0 19.2 28.8

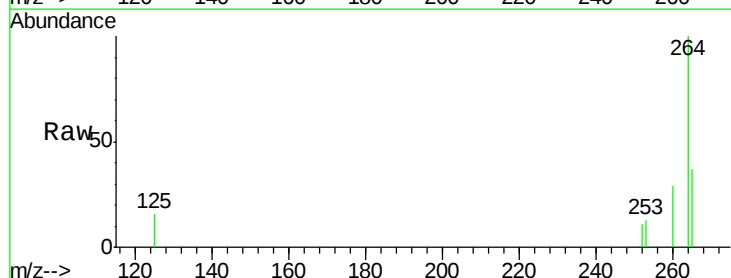


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

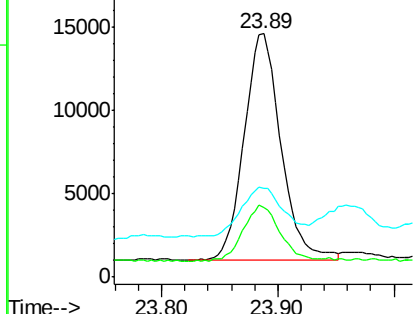
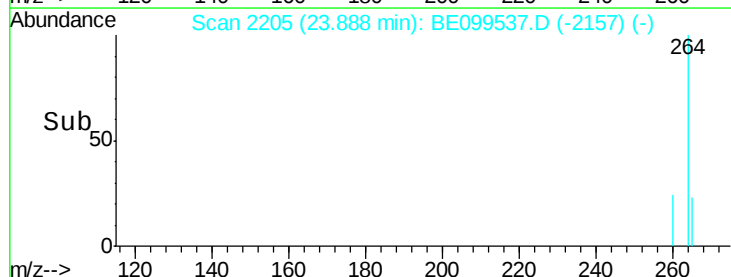


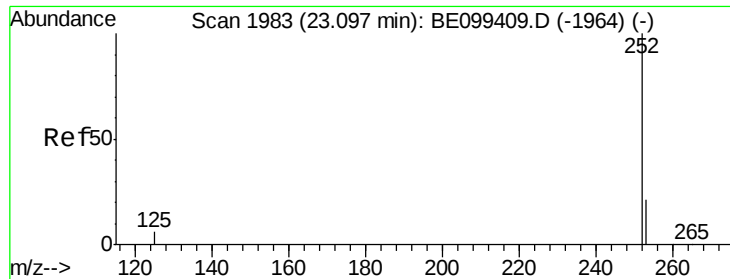
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:264 Resp: 30038
Ion Ratio Lower Upper
264 100
260 28.8 20.2 30.2
265 36.7 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: 1.645 ng

RT: 23.11 min Scan# 1987

Delta R.T. 0.01 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

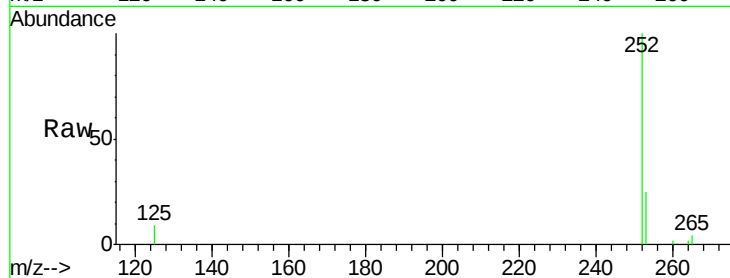
Tot Ion:252 Resp: 142439

Ion Ratio Lower Upper

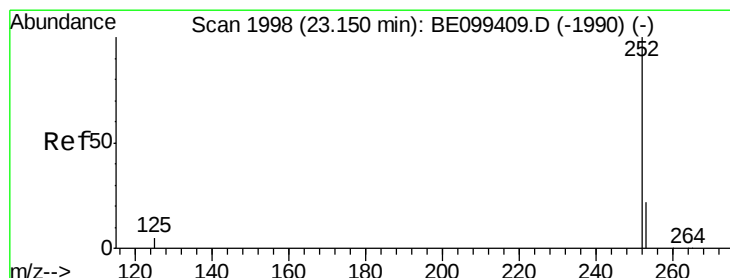
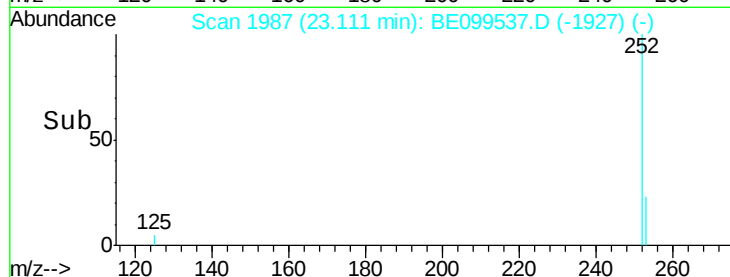
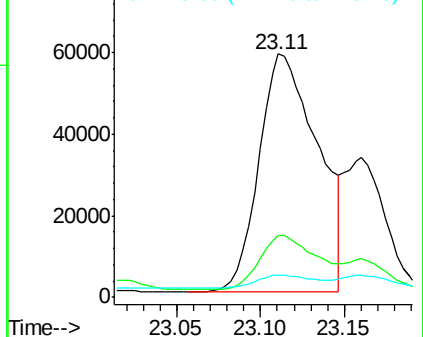
252 100

253 25.4 18.1 27.1

125 9.2 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: 1.705 ng

RT: 23.11 min Scan# 1987

Delta R.T. -0.04 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

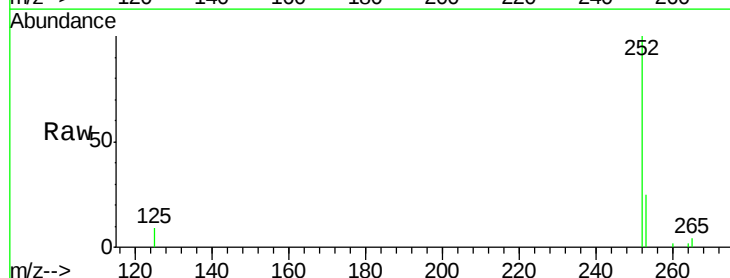
Tgt Ion:252 Resp: 142439

Ion Ratio Lower Upper

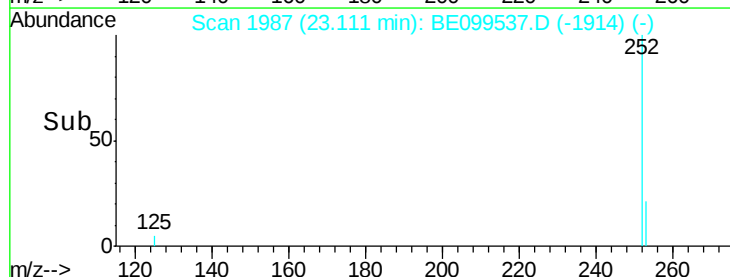
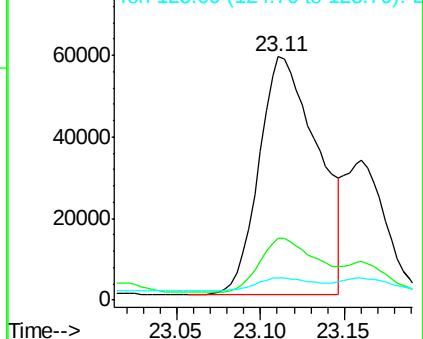
252 100

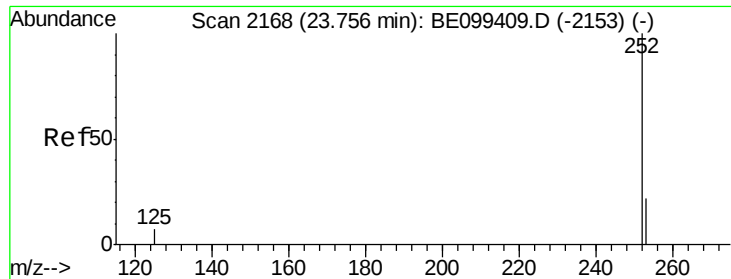
253 25.4 18.4 27.6

125 9.2 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: 1.233 ng

RT: 23.77 min Scan# 2173

Delta R.T. 0.02 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319

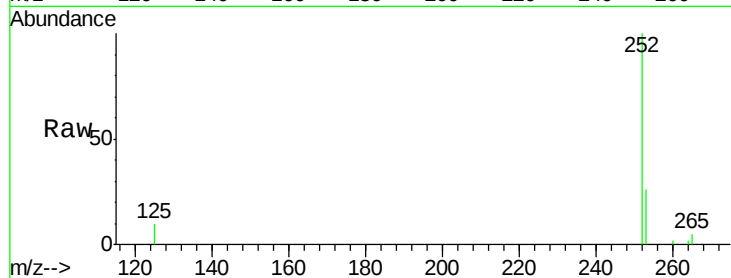
Tot Ion:252 Resp: 100969

Ion Ratio Lower Upper

252 100

253 26.1 18.9 28.3

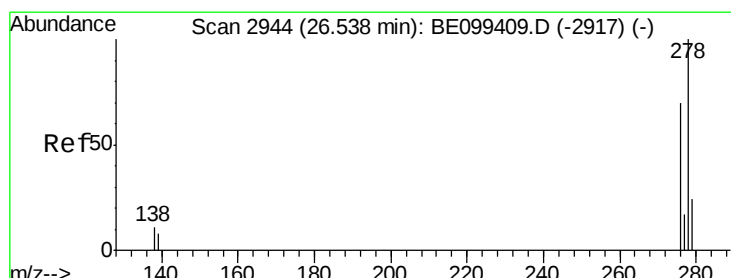
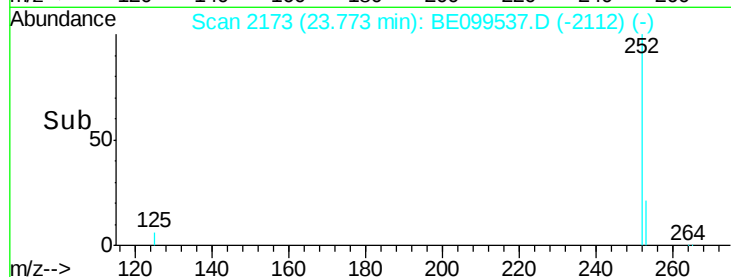
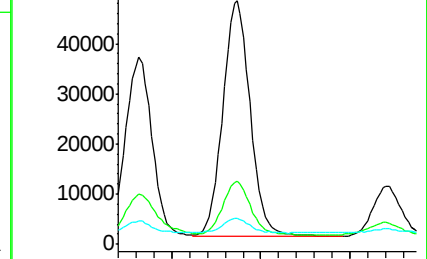
125 10.5 6.7 10.1#



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: 0.176 ng

RT: 26.56 min Scan# 2950

Delta R.T. 0.02 min

Lab File: BE099537.D

Acq: 3 May 2019 19:30

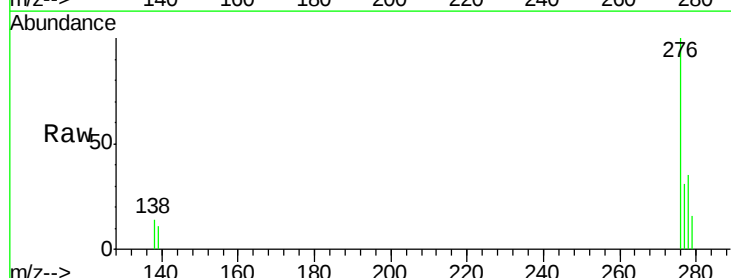
Tgt Ion:278 Resp: 14706

Ion Ratio Lower Upper

278 100

139 31.3 7.7 11.5#

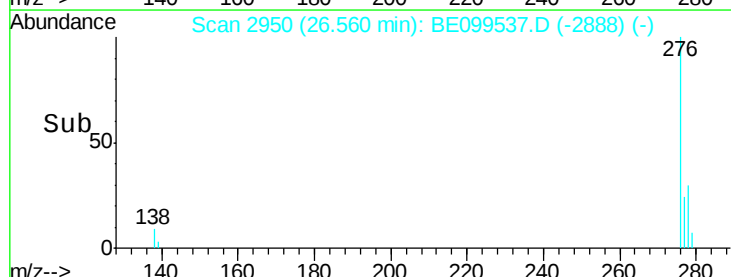
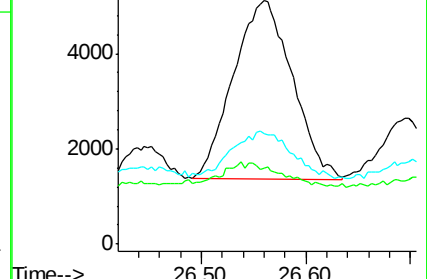
279 45.3 20.2 30.2#

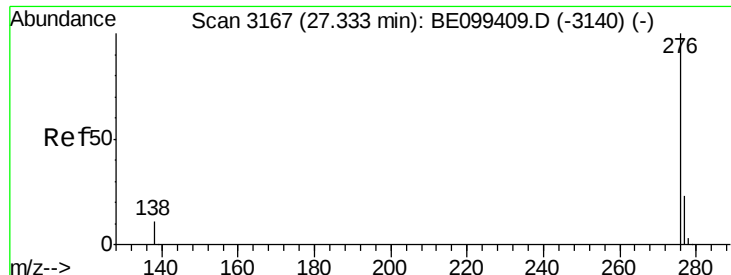


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.719 ng

RT: 27.37 min Scan# 3177

Delta R.T. 0.04 min

Lab File: BE099537.D

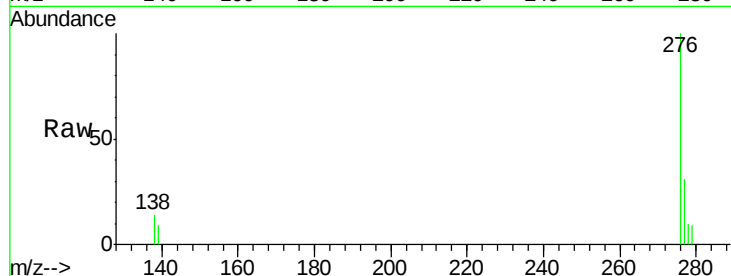
Acq: 3 May 2019 19:30

Instrument :

BNA_E

ClientSampleId :

PST-003-B173-042319



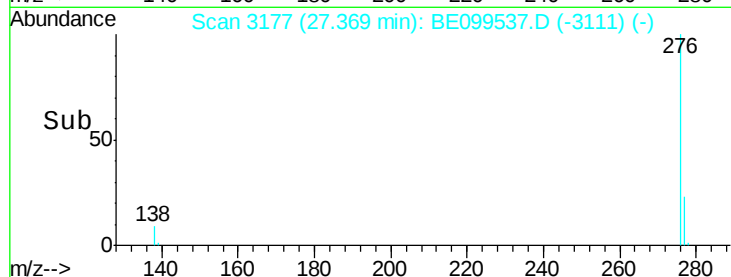
Tot Ion:276 Resp: 60355

Ion Ratio Lower Upper

276 100

277 30.6 19.5 29.3#

138 14.0 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

