

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
 Data File : BE099430.D
 Acq On : 30 Apr 2019 17:24
 Operator : JU/SJ
 Sample : K2587-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 30 23:58:46 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	2438	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8430	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6013	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19782	0.40	ng	0.00
27) Chrysene-d12	21.37	240	30879	0.40	ng	0.00
34) Perylene-d12	23.86	264	35568	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2268	0.34	ng	0.00
5) Phenol-d6	6.96	99	3188	0.36	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2542	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4428	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1231	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	6788	0.30	ng	-0.02
25) Fluoranthene-d10	19.22	212	78376	0.29	ng	0.00
29) Terphenyl-d14	19.81	244	16391	0.29	ng	0.00

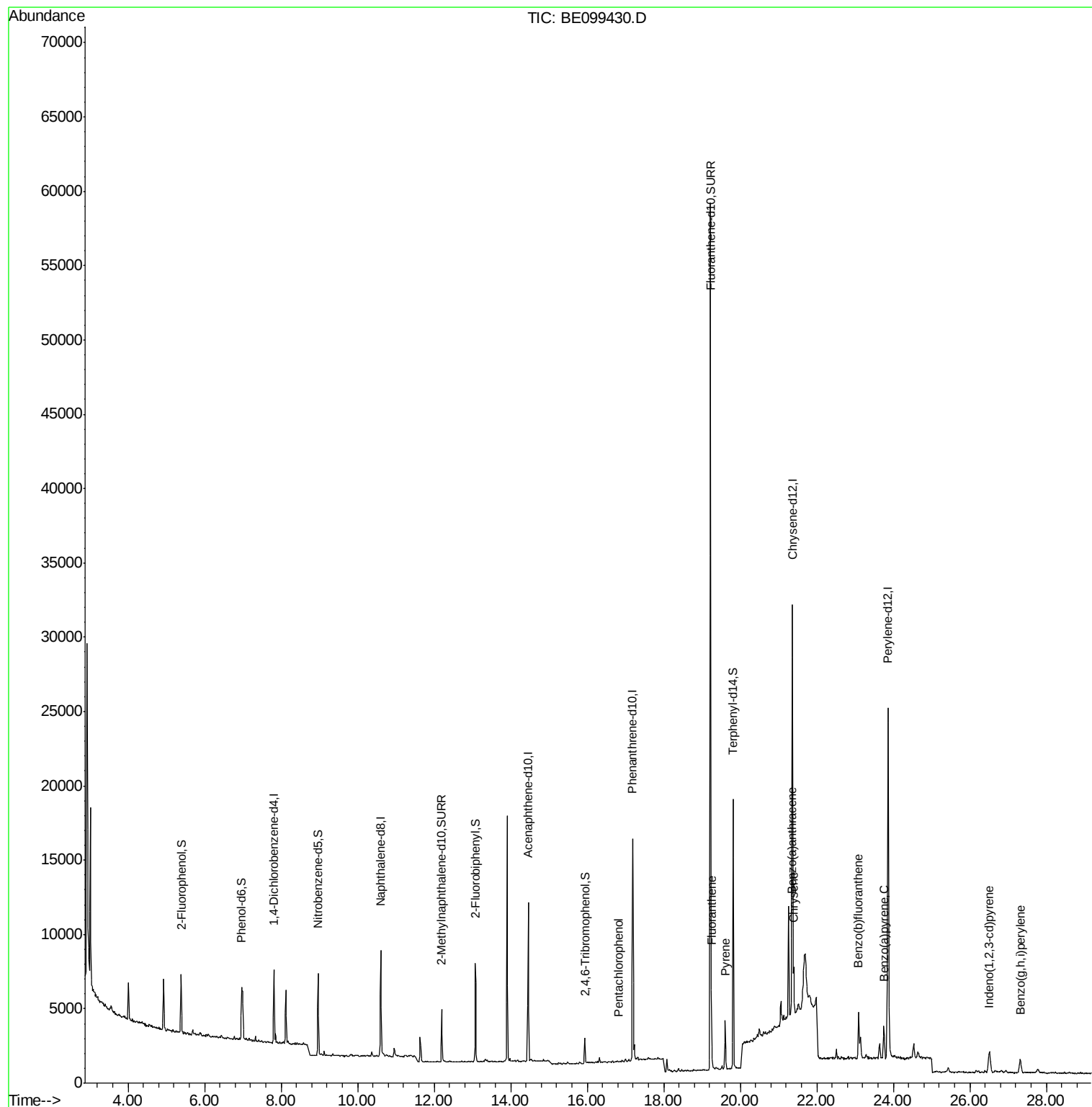
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	16.83	266	19	0.219	ng	# 56
26) Fluoranthene	19.25	202	3650	0.048	ng	# 98
28) Pyrene	19.61	202	3270	0.041	ng	# 94
30) Benzo(a)anthracene	21.34	228	2702	0.027	ng	# 84
31) Chrysene	21.40	228	3141	0.033	ng	# 90
33) Indeno(1,2,3-cd)pyrene	26.50	276	2369	0.021	ng	# 91
35) Benzo(b)fluoranthene	23.09	252	4058	0.040	ng	# 38
37) Benzo(a)pyrene	23.75	252	2587	0.027	ng	# 15
39) Benzo(g,h,i)perylene	27.32	276	2213	0.022	ng	# 79

(#) = 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: BE099430.D

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Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319

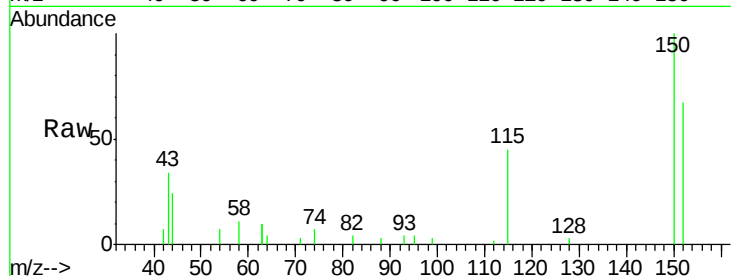
Tot Ion:152 Resp: 2438

Ion Ratio Lower Upper

152 100

150 148.7 104.8 157.2

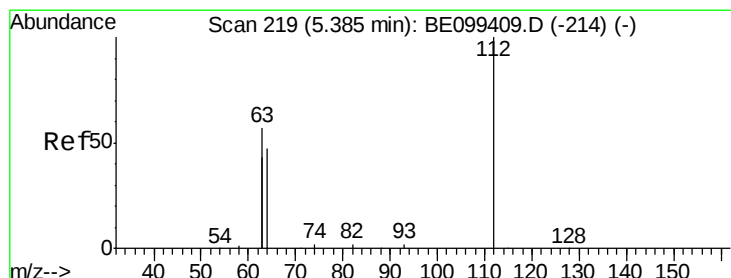
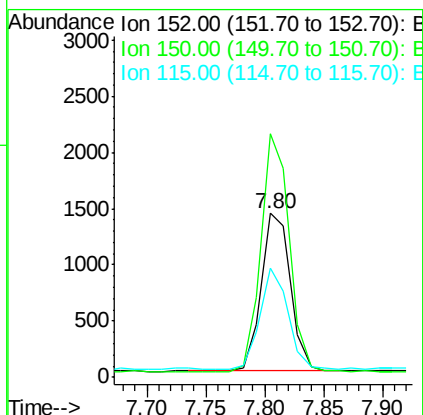
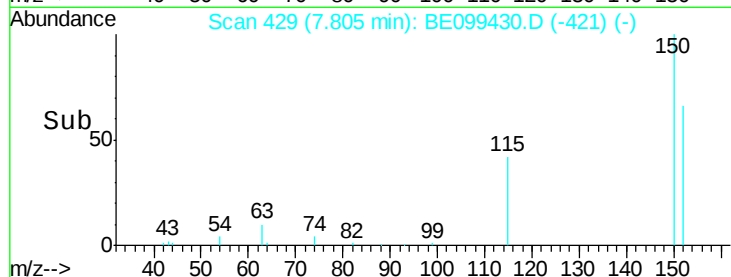
115 66.4 46.6 69.8



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



#4

2-Fluorophenol

Concen: 0.336 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

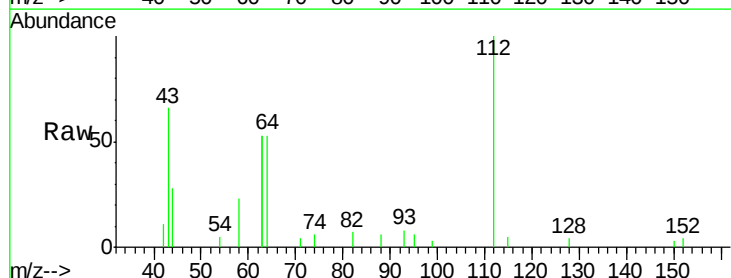
Tgt Ion:112 Resp: 2268

Ion Ratio Lower Upper

112 100

64 58.4 47.4 71.0

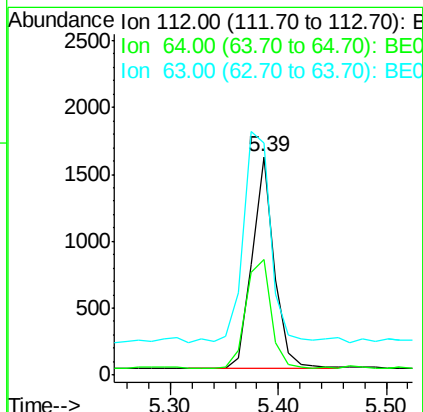
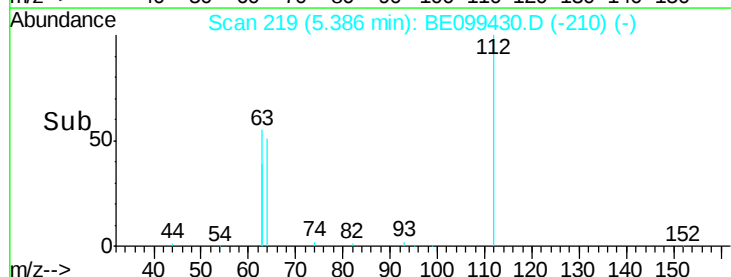
63 126.0 104.3 156.5

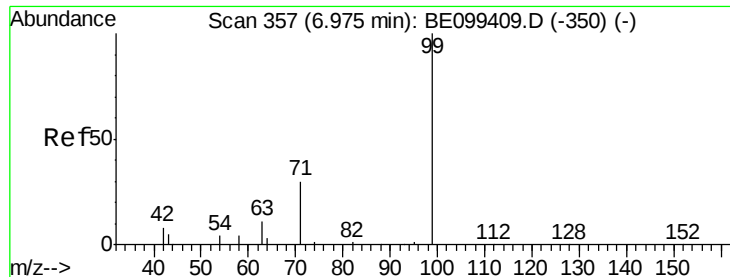


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.356 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319

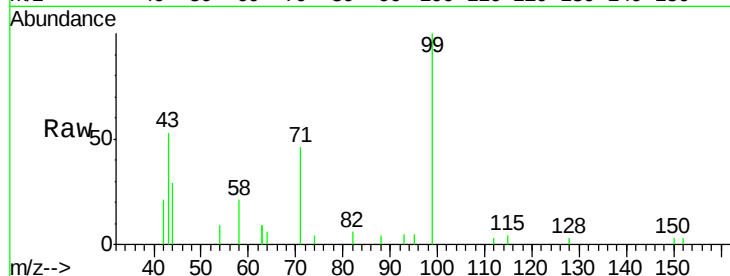
Tot Ion: 99 Resp: 3188

Ion Ratio Lower Upper

99 100

42 18.7 14.9 22.3

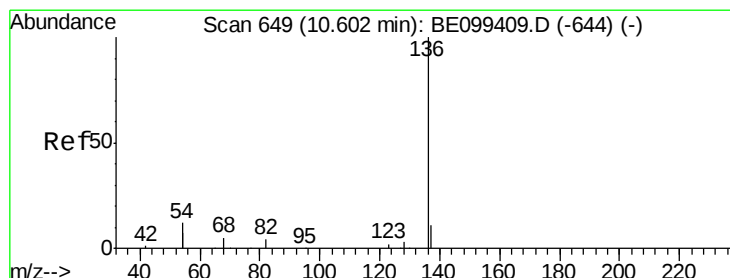
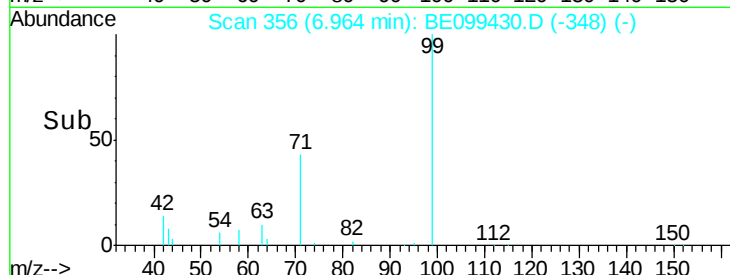
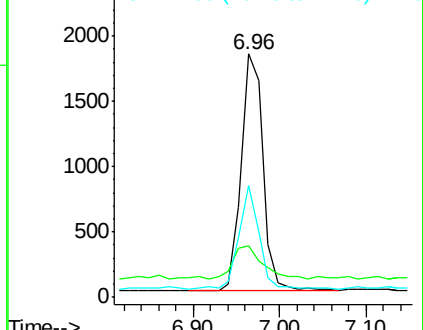
71 40.7 33.0 49.6



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: BE099430.D

Acq: 30 Apr 2019 17:24

Tgt Ion: 136 Resp: 8430

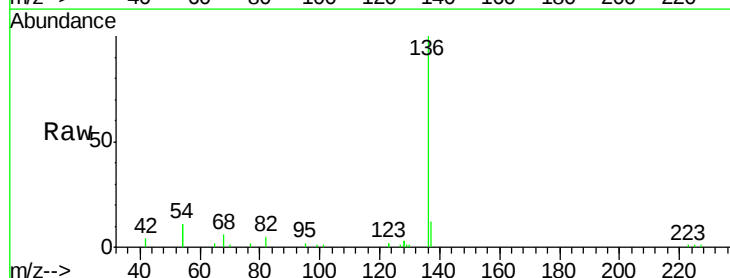
Ion Ratio Lower Upper

136 100

137 12.0 9.8 14.8

54 22.6 18.5 27.7

68 5.9 4.7 7.1

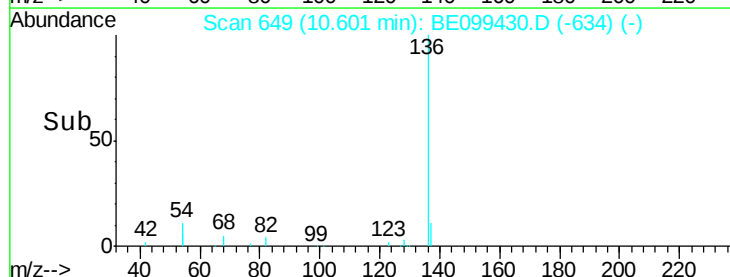
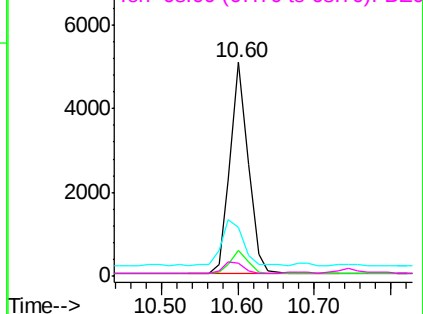


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.322 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319

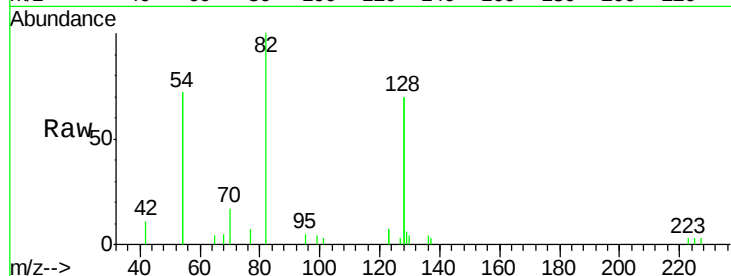
Tot Ion: 82 Resp: 2542

Ion Ratio Lower Upper

82 100

128 139.0 107.0 160.4

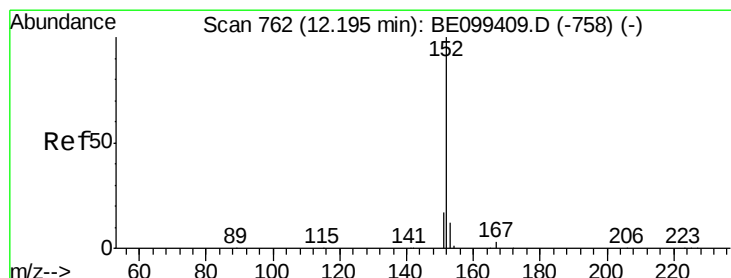
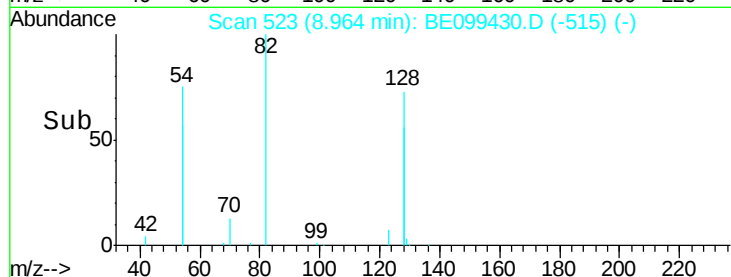
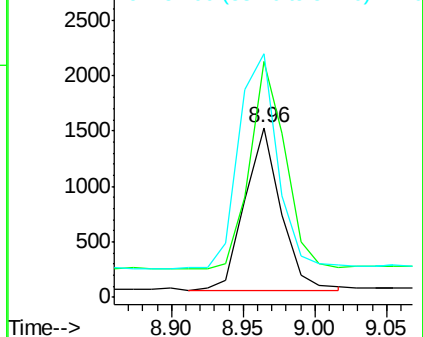
54 143.6 113.1 169.7



Abundance Ion 82.00 (81.70 to 82.70): BE099430.D (-515) (-)

Ion 128.00 (127.70 to 128.70): BE099430.D (-515) (-)

Ion 54.00 (53.70 to 54.70): BE099430.D (-515) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.292 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099430.D

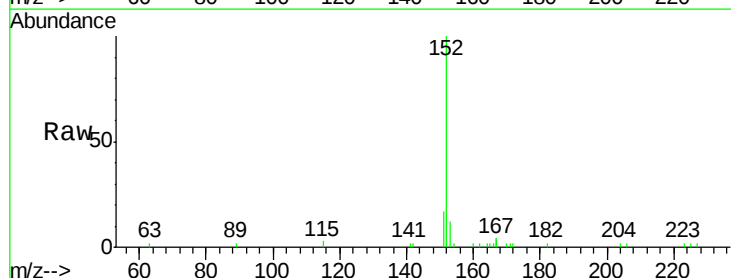
Acq: 30 Apr 2019 17:24

Tgt Ion: 152 Resp: 4428

Ion Ratio Lower Upper

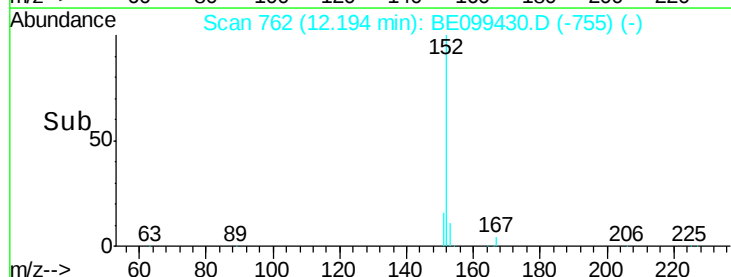
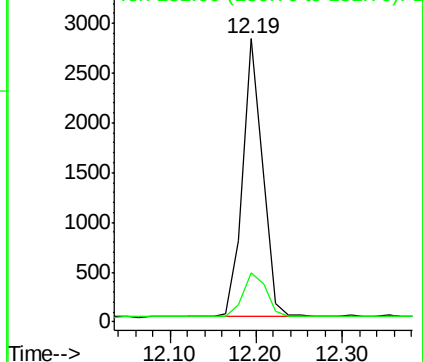
152 100

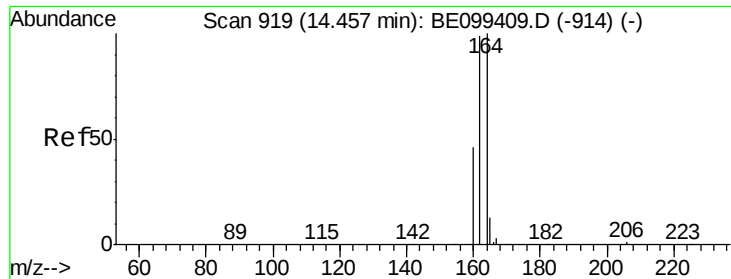
151 18.9 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BE099430.D (-755) (-)

Ion 151.00 (150.70 to 151.70): BE099430.D (-755) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319

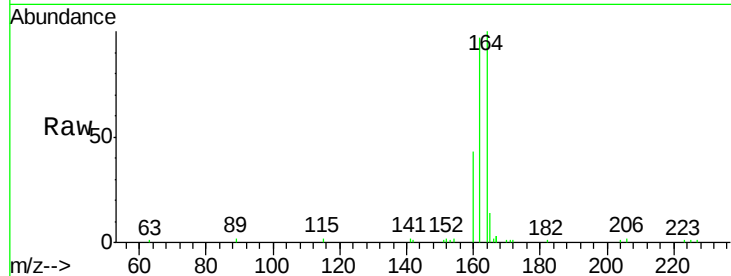
Tot Ion:164 Resp: 6013

Ion Ratio Lower Upper

164 100

162 97.3 79.0 118.4

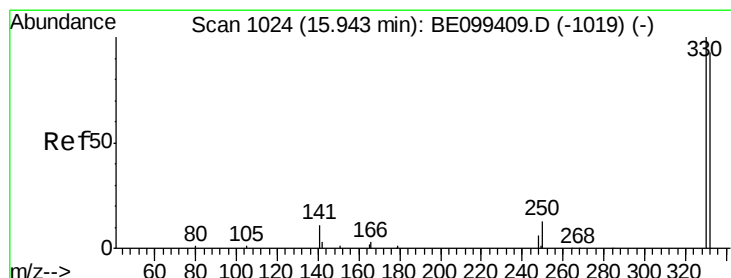
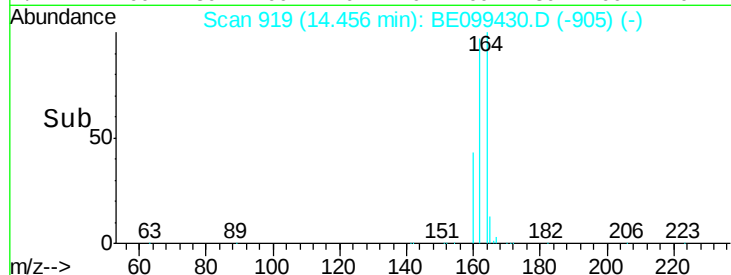
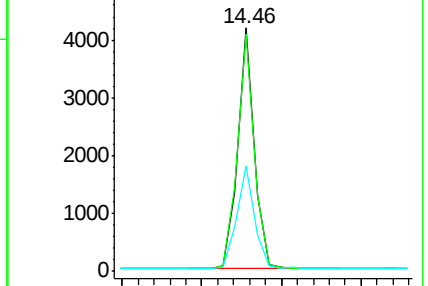
160 43.4 37.0 55.4



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: 0.325 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

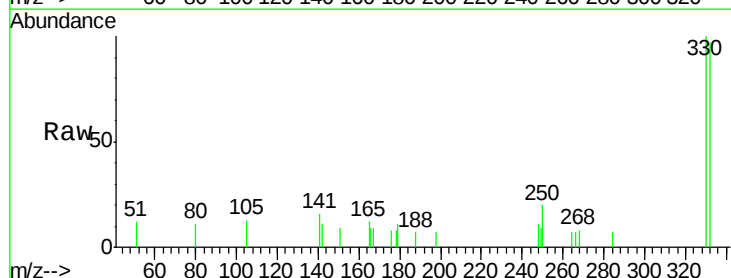
Tgt Ion:330 Resp: 1231

Ion Ratio Lower Upper

330 100

332 90.7 71.5 107.3

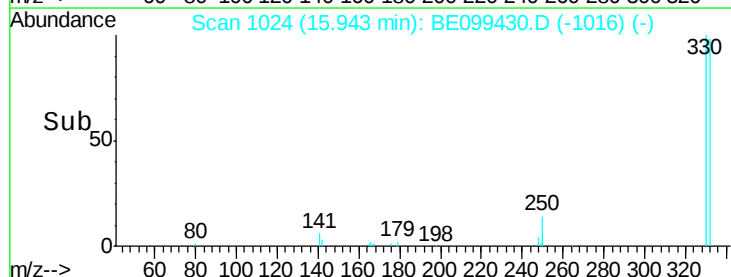
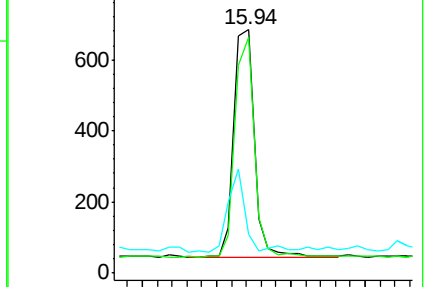
141 30.7 24.0 36.0

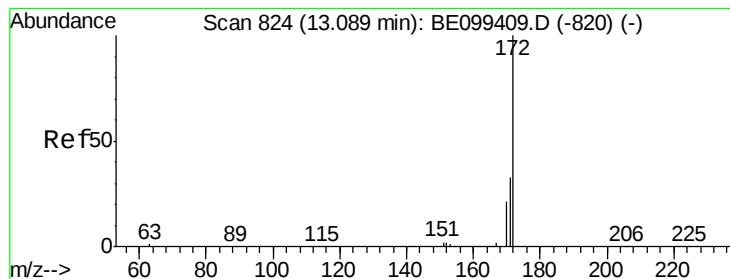


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

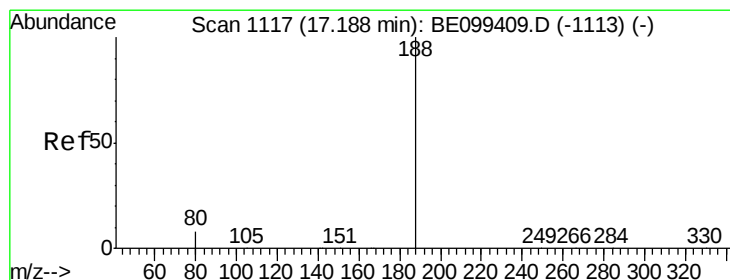
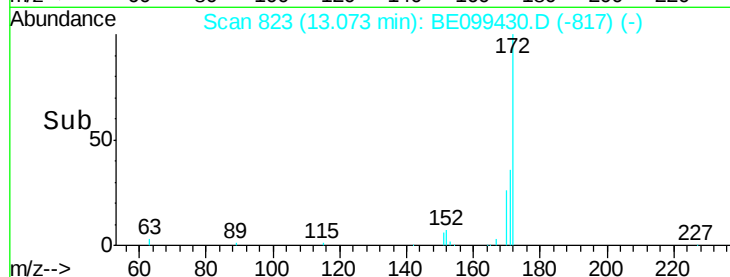
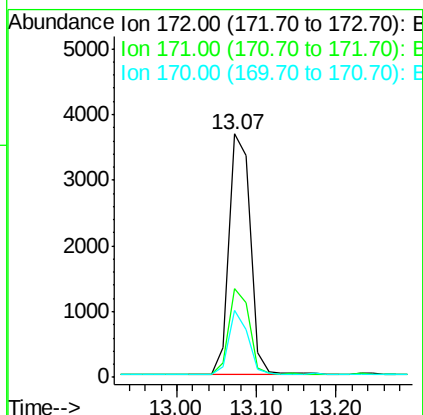
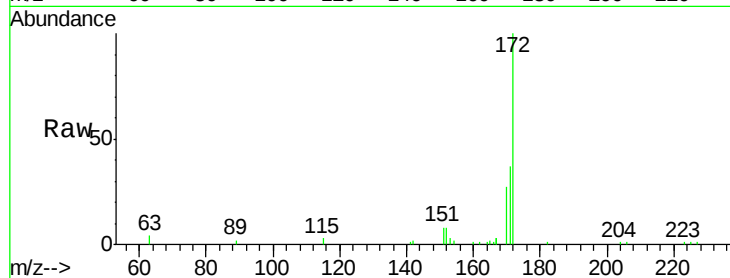




#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099430.D
Acq: 30 Apr 2019 17:24

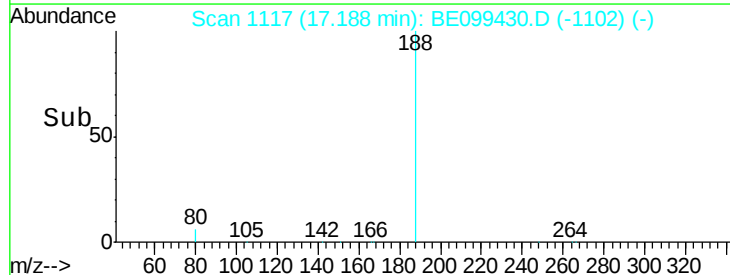
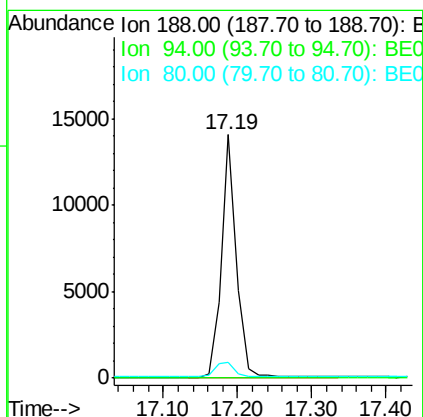
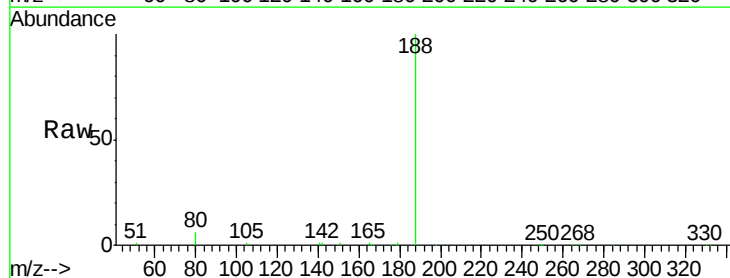
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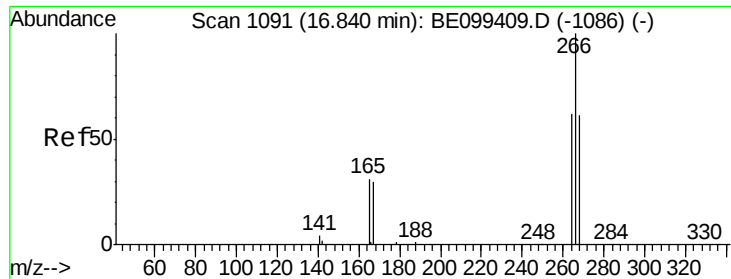
Tot Ion:172 Resp: 6788
Ion Ratio Lower Upper
172 100
171 36.6 26.6 39.8
170 27.4 17.0 25.6#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099430.D
Acq: 30 Apr 2019 17:24

Tgt Ion:188 Resp: 19782
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.4 6.7 10.1#





#22

Pentachlorophenol

Concen: 0.219 ng

RT: 16.83 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319

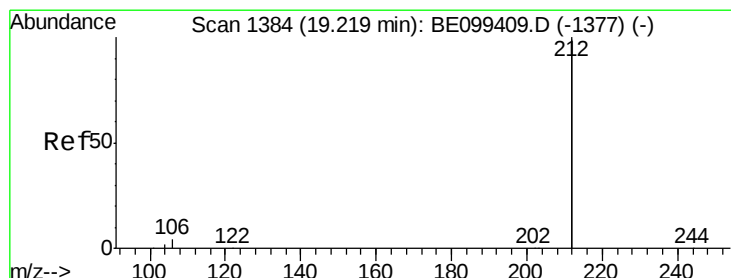
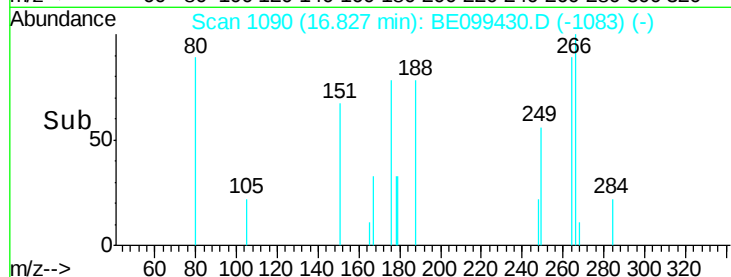
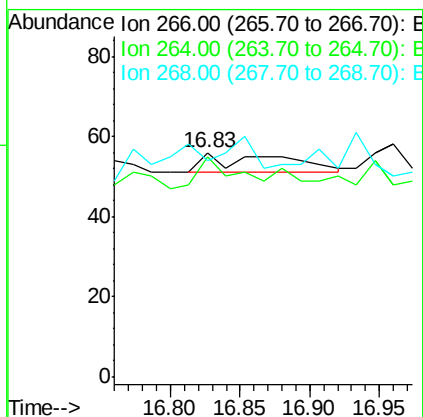
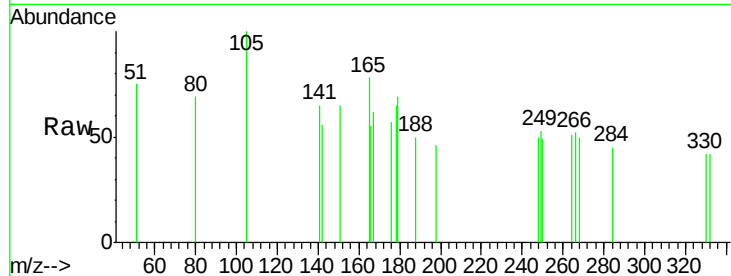
Tot Ion:266 Resp: 19

Ion Ratio Lower Upper

266 100

264 98.2 50.8 76.2#

268 96.4 50.5 75.7#



#25

Fluoranthene-d10

Concen: 0.294 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

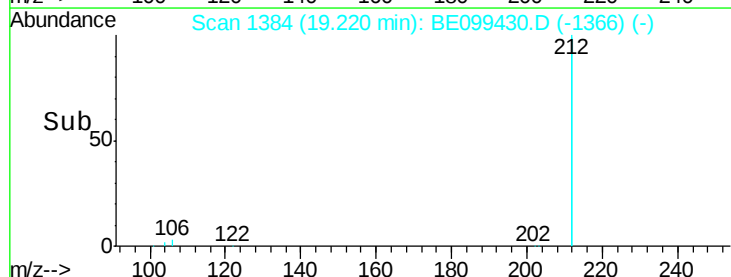
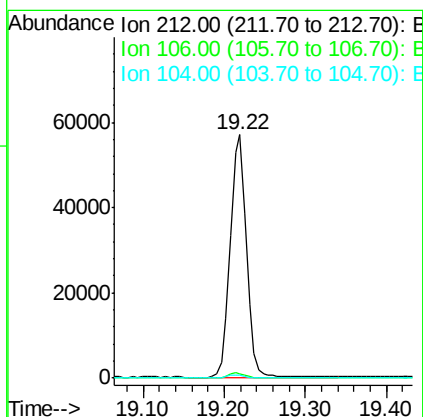
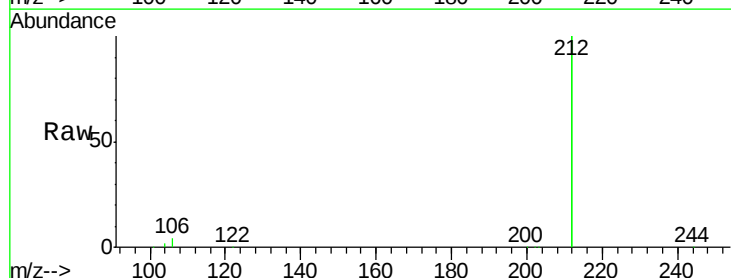
Tgt Ion:212 Resp: 78376

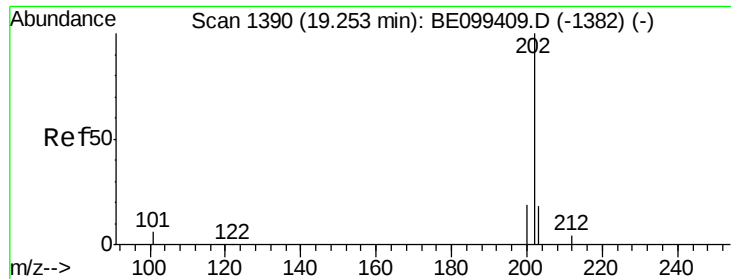
Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

104 1.1 0.9 1.3

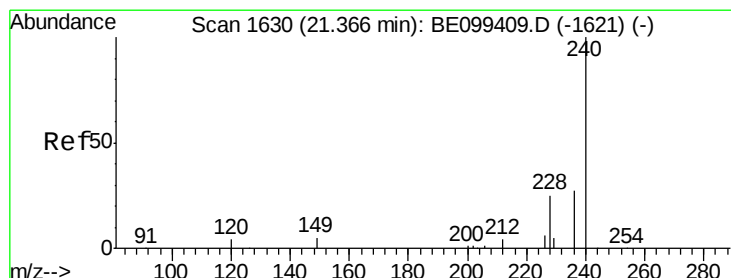
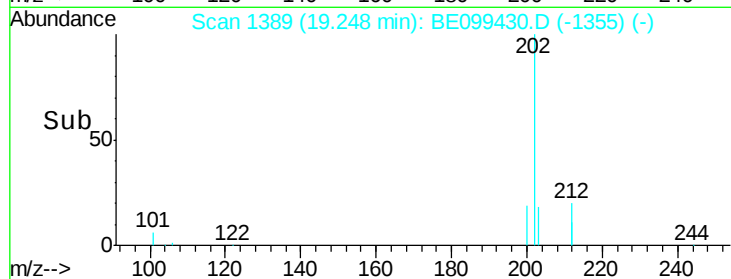
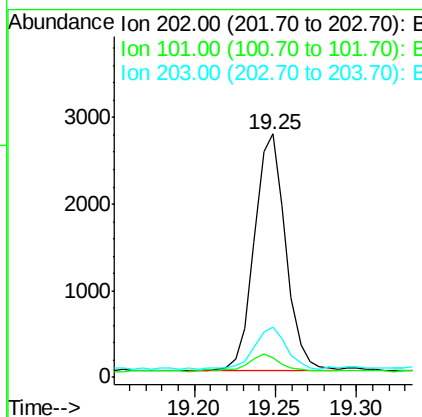
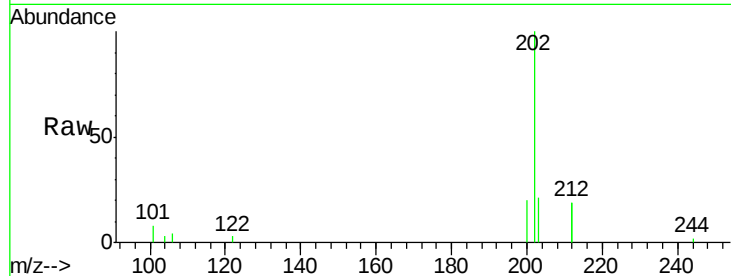




#26
 Fluoranthene
 Concen: 0.048 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BE099430.D
 Acq: 30 Apr 2019 17:24

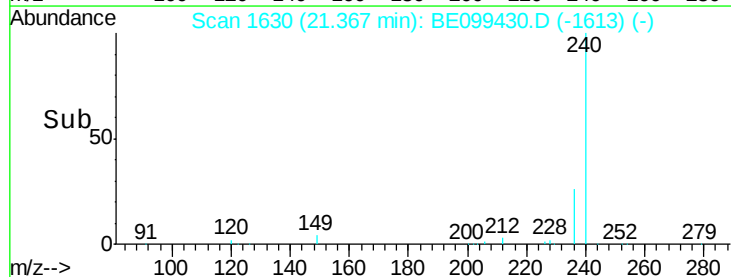
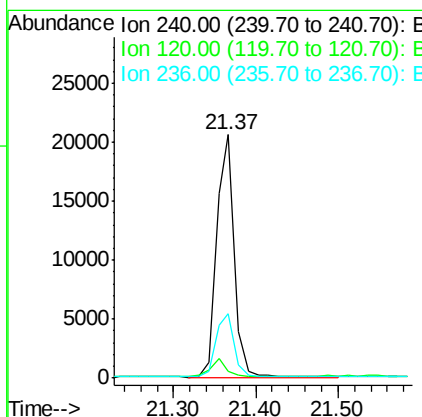
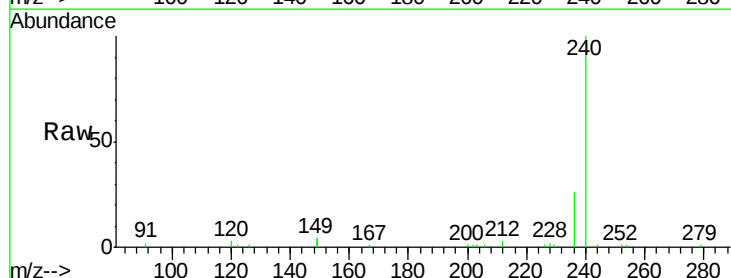
Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B162-042319

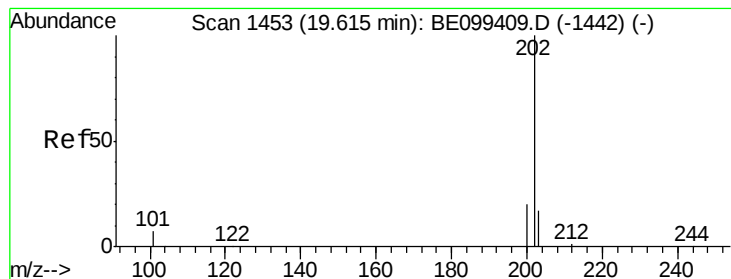
Tot Ion:202 Resp: 3650
 Ion Ratio Lower Upper
 202 100
 101 7.8 5.4 8.0
 203 18.0 13.9 20.9



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099430.D
 Acq: 30 Apr 2019 17:24

Tgt Ion:240 Resp: 30879
 Ion Ratio Lower Upper
 240 100
 120 2.9 4.0 6.0#
 236 26.3 22.0 33.0





#28

Pvrene

Concen: 0.041 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.00 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319

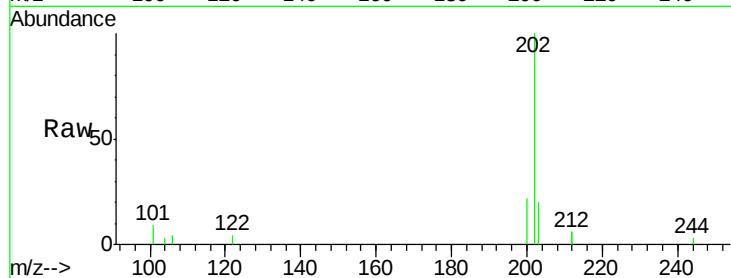
Tot Ion:202 Resp: 3270

Ion Ratio Lower Upper

202 100

200 20.7 15.7 23.5

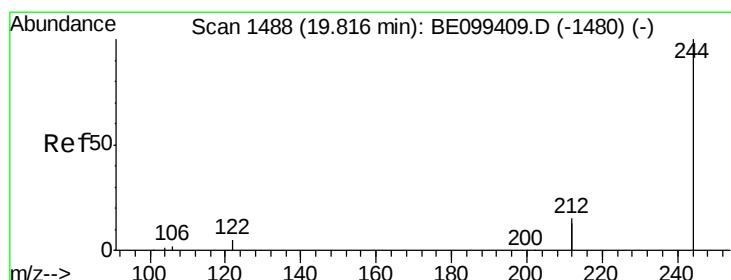
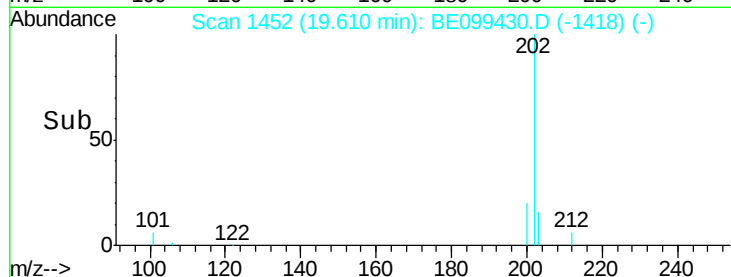
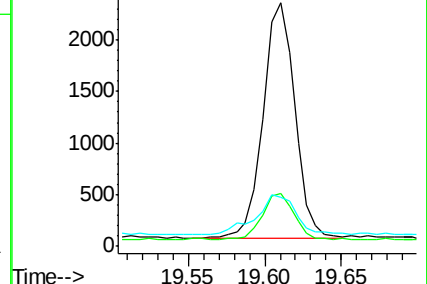
203 22.1 13.9 20.9#



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: 0.290 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

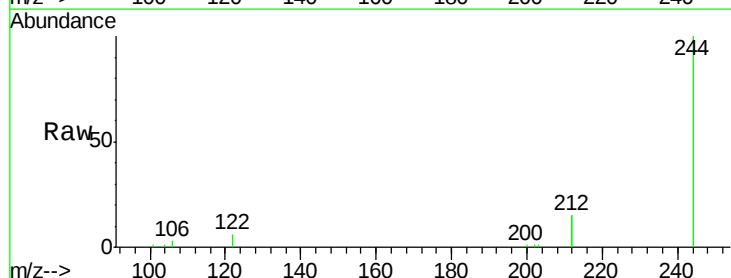
Tgt Ion:244 Resp: 16391

Ion Ratio Lower Upper

244 100

212 30.5 23.2 34.8

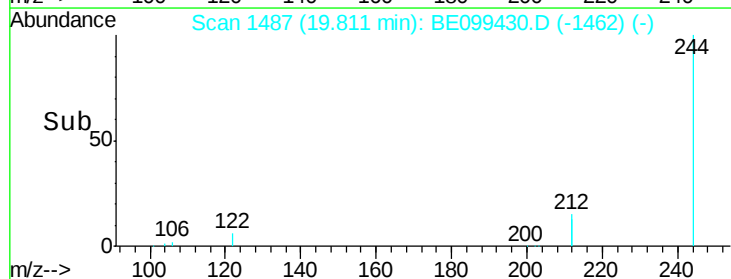
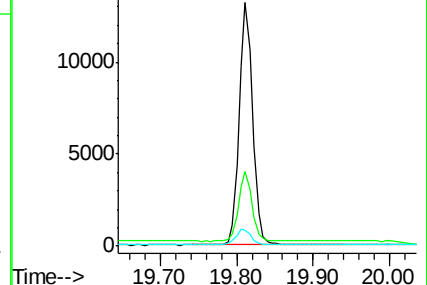
122 6.5 4.2 6.4#

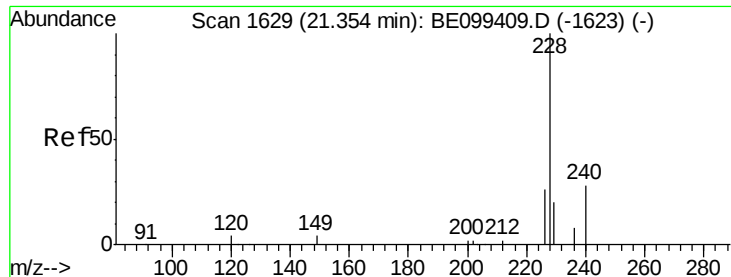


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.027 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319

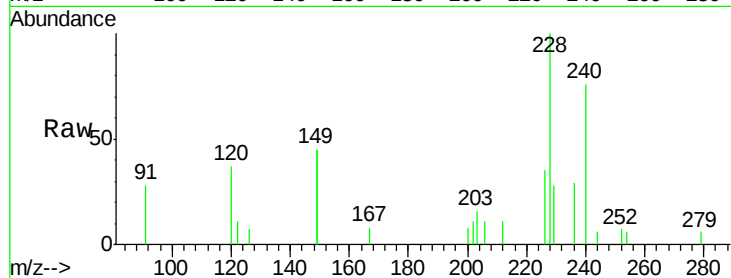
Tot Ion:228 Resp: 2702

Ion Ratio Lower Upper

228 100

226 34.9 21.0 31.6#

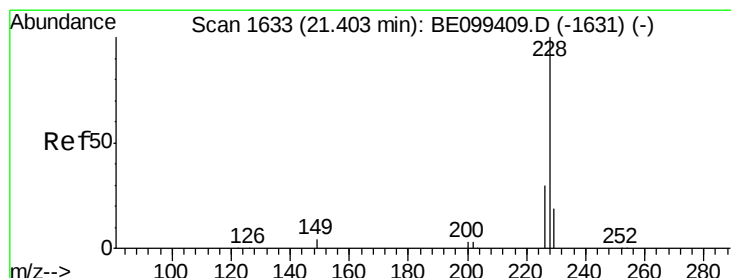
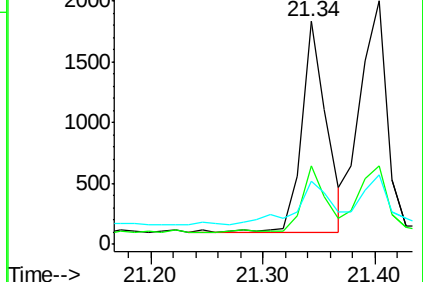
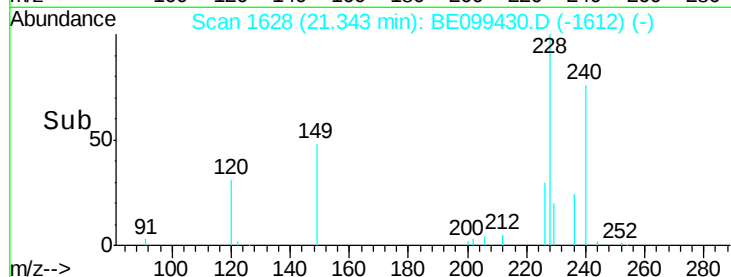
229 28.3 16.6 25.0#



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: 0.033 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

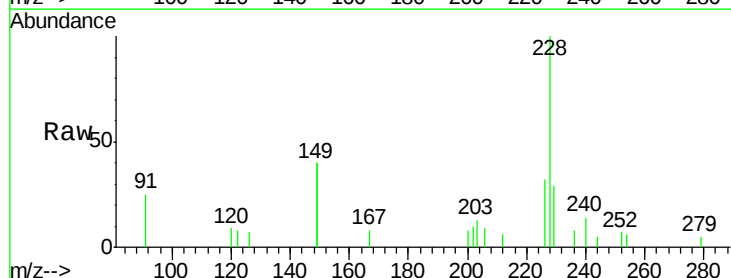
Tgt Ion:228 Resp: 3141

Ion Ratio Lower Upper

228 100

226 32.0 24.0 36.0

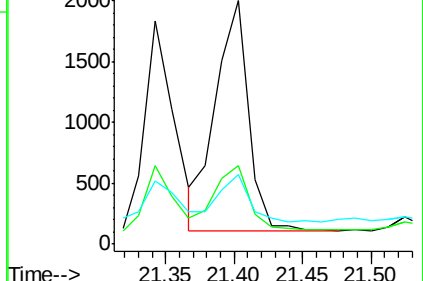
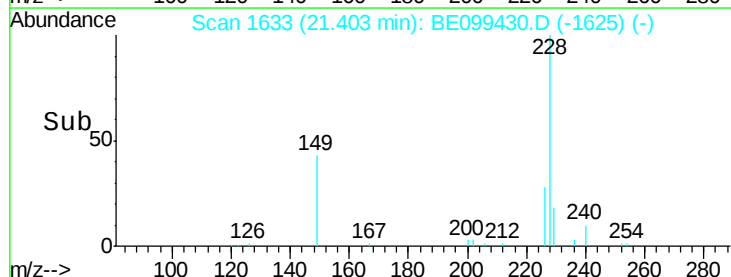
229 28.8 15.8 23.8#

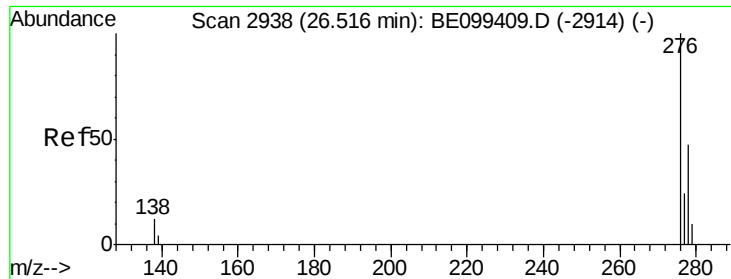


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.021 ng

RT: 26.50 min Scan# 2933

Delta R.T. -0.02 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319

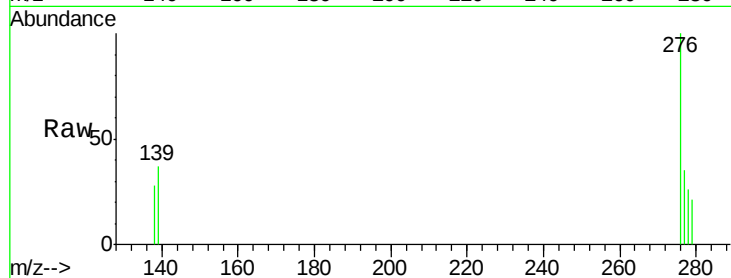
Tot Ion:276 Resp: 2369

Ion Ratio Lower Upper

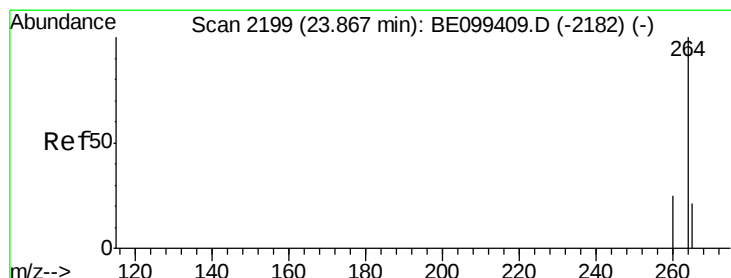
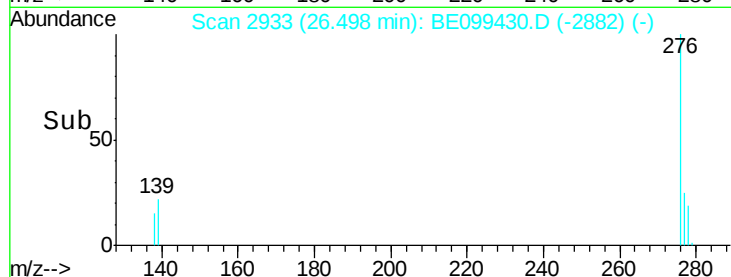
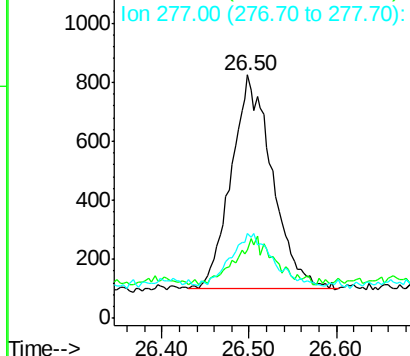
276 100

138 20.8 10.2 15.2#

277 22.2 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# 2197

Delta R.T. -0.01 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

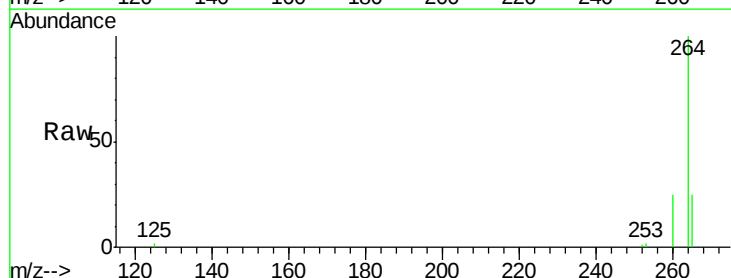
Tgt Ion:264 Resp: 35568

Ion Ratio Lower Upper

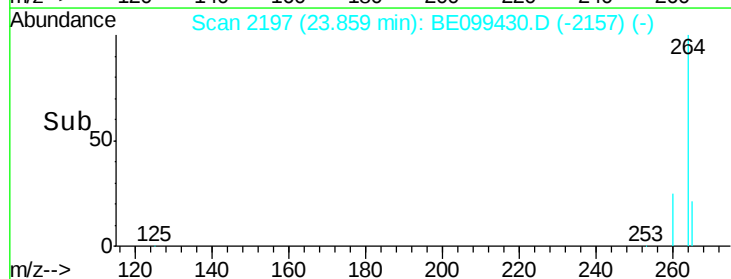
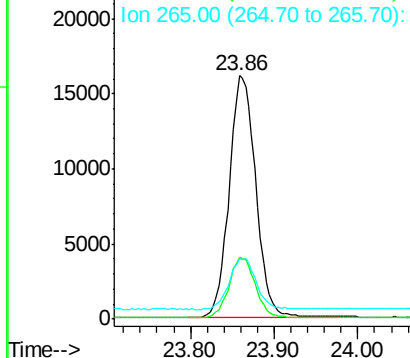
264 100

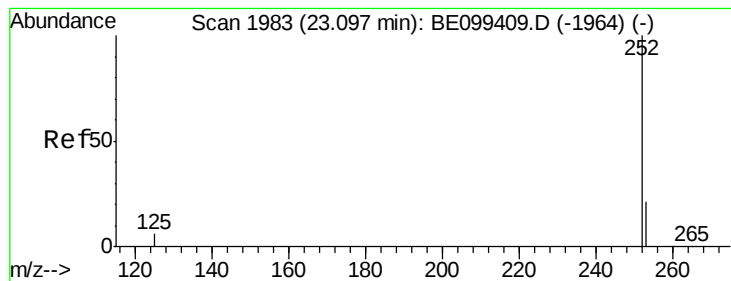
260 25.1 20.2 30.2

265 24.9 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: 0.040 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319

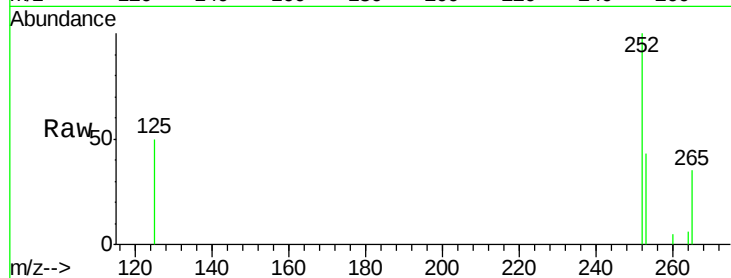
Tot Ion:252 Resp: 4058

Ion Ratio Lower Upper

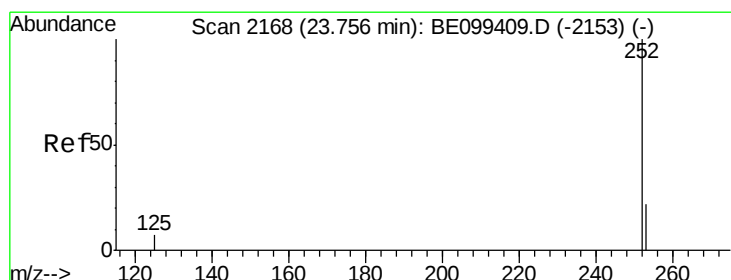
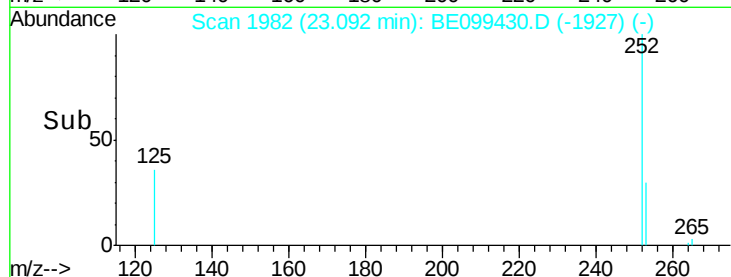
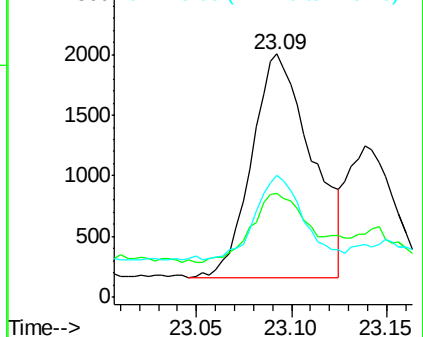
252 100

253 42.8 18.1 27.1#

125 50.3 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



#37

Benzo(a)pyrene

Concen: 0.027 ng

RT: 23.75 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

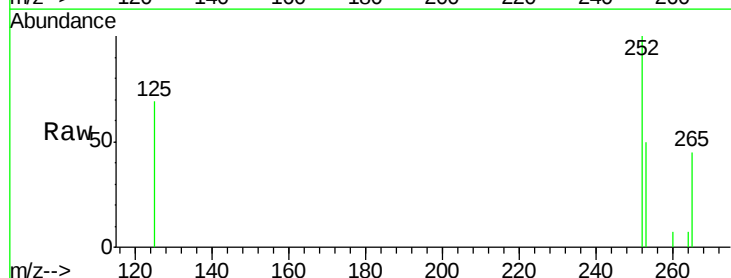
Tgt Ion:252 Resp: 2587

Ion Ratio Lower Upper

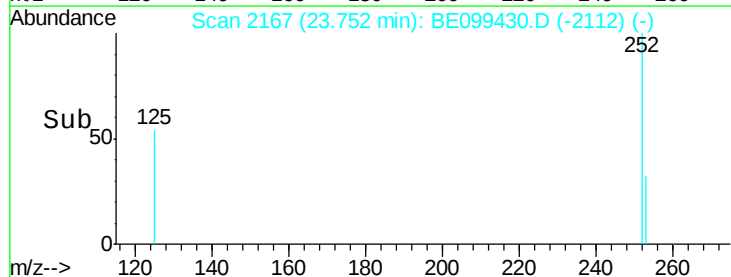
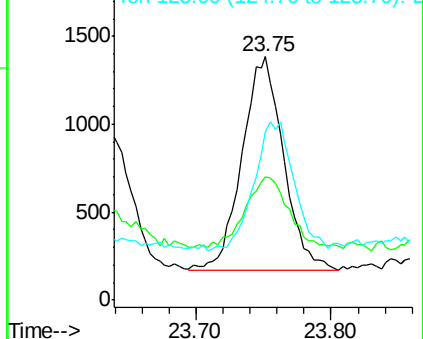
252 100

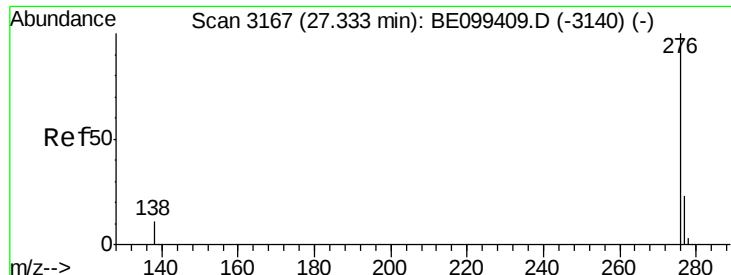
253 50.4 18.9 28.3#

125 69.1 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





#39

Benzo(a,h,i)perylene

Concen: 0.022 ng

RT: 27.32 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE099430.D

Acq: 30 Apr 2019 17:24

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319

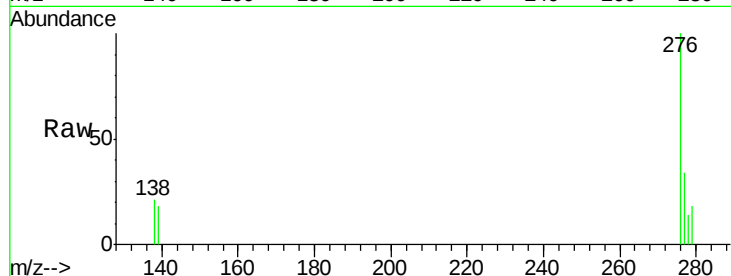
Tot Ion:276 Resp: 2213

Ion Ratio Lower Upper

276 100

277 34.1 19.5 29.3#

138 20.8 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

