

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050619\
 Data File : BE099550.D
 Acq On : 6 May 2019 13:38
 Operator : JU/SJ
 Sample : K2589-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW098-042419

Quant Time: May 07 08:11:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 07 08:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	2079	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	7429	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	5220	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	15158	0.40	ng	0.00
27) Chrysene-d12	21.43	240	21971	0.40	ng	-0.01
34) Perylene-d12	23.98	264	25638	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	1935	0.34	ng	0.00
5) Phenol-d6	6.99	99	2785	0.36	ng	0.00
8) Nitrobenzene-d5	8.98	82	2331	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	4052	0.30	ng	-0.01
14) 2,4,6-Tribromophenol	15.98	330	1220	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	5864	0.29	ng	0.00
25) Fluoranthene-d10	19.28	212	59713	0.29	ng	0.00
29) Terphenyl-d14	19.87	244	11828	0.29	ng	0.00

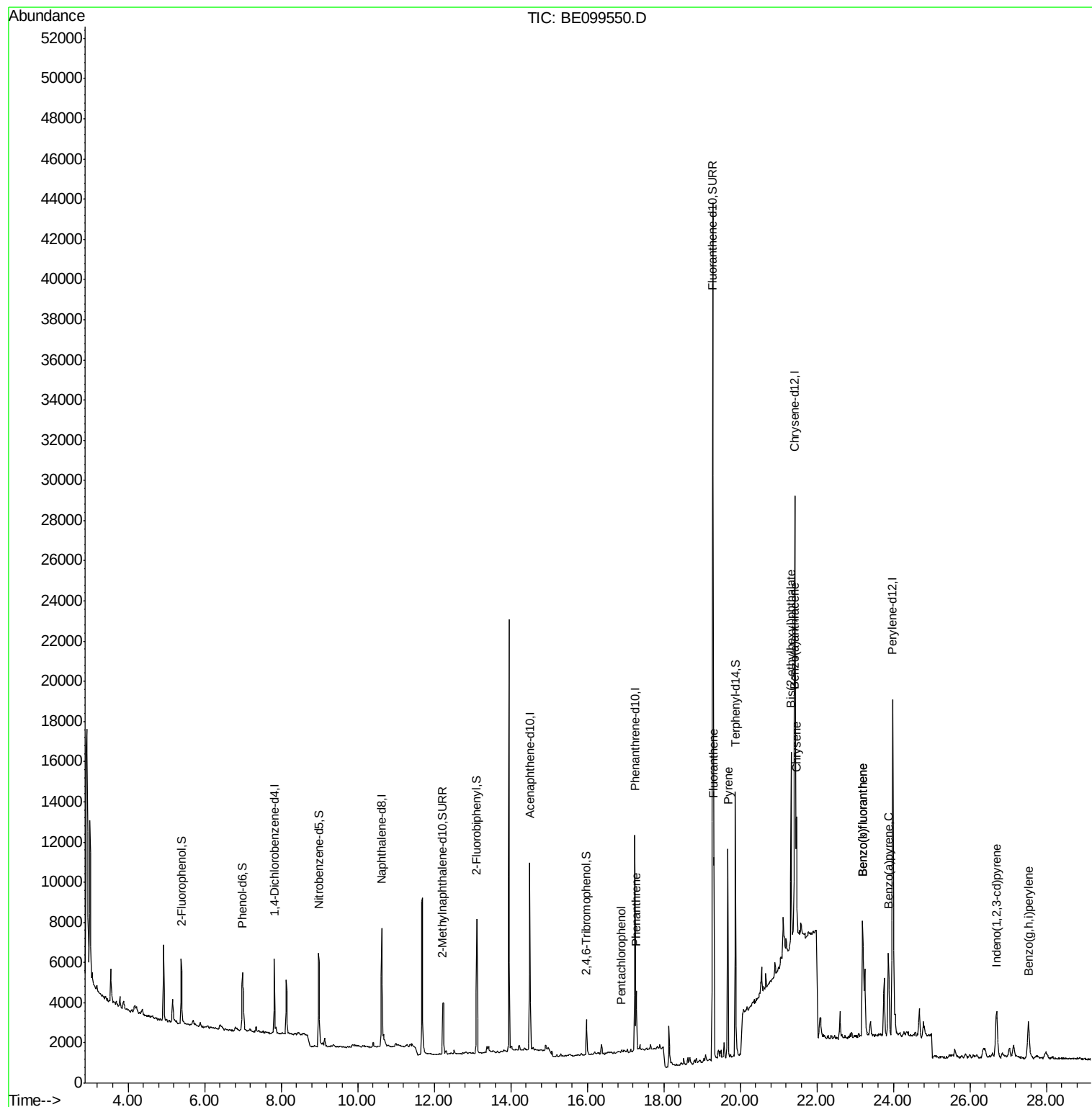
Target Compounds				Qvalue		
22) Pentachlorophenol	16.89	266	84	0.233	ng	# 63
23) Phenanthrene	17.28	178	3186	0.081	ng	98
26) Fluoranthene	19.31	202	9184	0.157	ng	99
28) Pyrene	19.67	202	9774	0.171	ng	96
30) Benzo(a)anthracene	21.41	228	6344	0.091	ng	# 87
31) Chrysene	21.47	228	6818	0.100	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.33	149	11417	0.044	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.69	276	4541	0.056	ng	99
35) Benzo(b)fluoranthene	23.20	252	8793	0.119	ng	# 52
36) Benzo(k)fluoranthene	23.20	252	8793	0.123	ng	# 54
37) Benzo(a)pyrene	23.87	252	6009	0.086	ng	# 59
39) Benzo(g,h,i)perylene	27.53	276	4677	0.065	ng	# 76

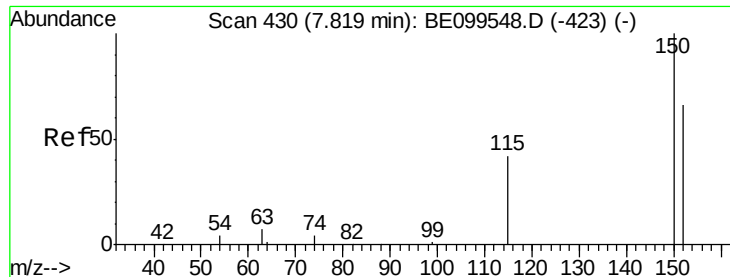
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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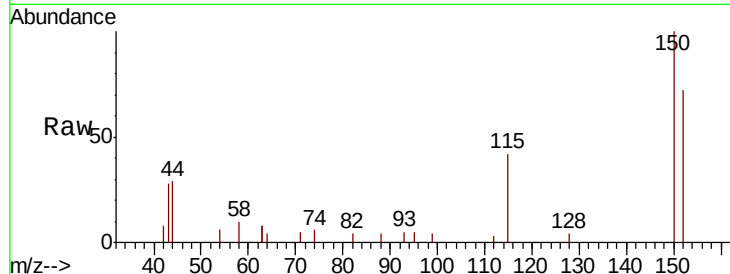


#1

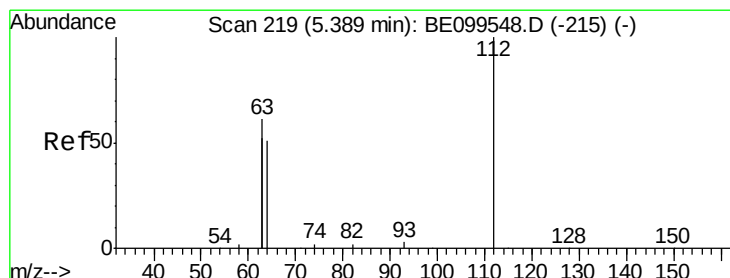
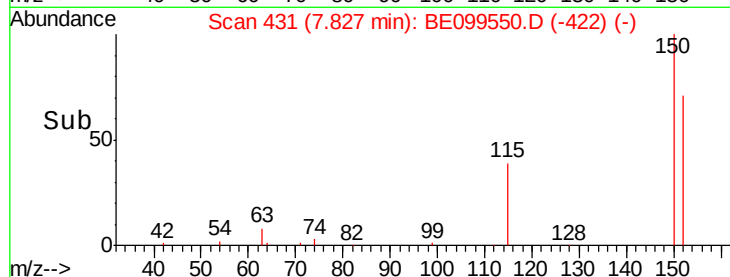
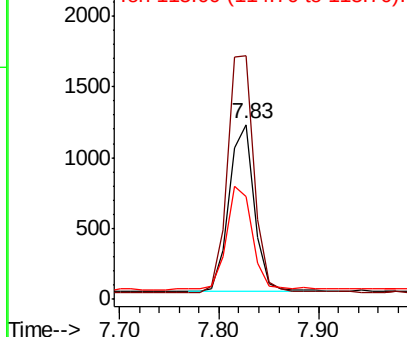
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.83 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: BE099550.D
 Acq: 6 May 2019 13:38

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW098-042419

Tgt Ion:152 Resp: 2079
 Ion Ratio Lower Upper
 152 100
 150 139.1 104.8 157.2
 115 58.7 46.6 69.8



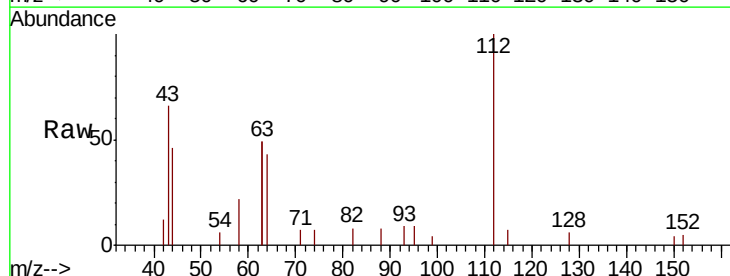
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



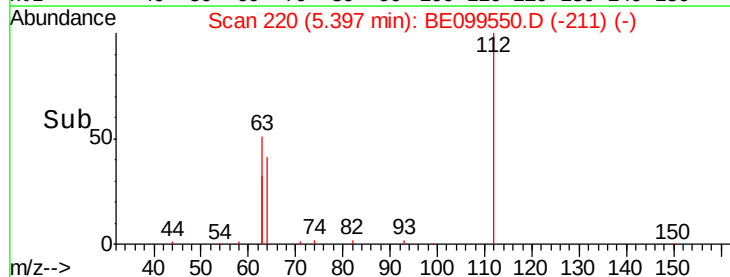
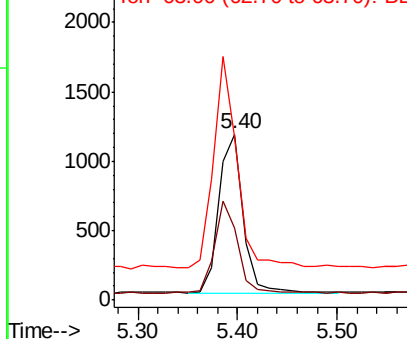
#4

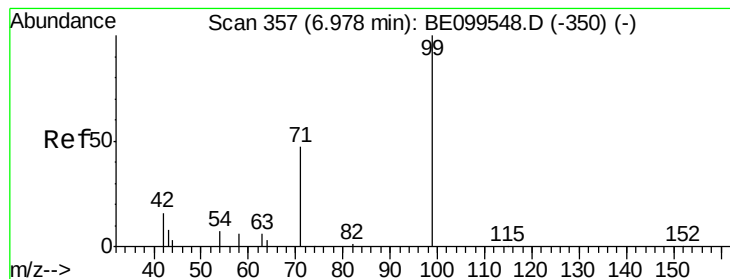
2-Fluorophenol
 Concen: 0.337 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: BE099550.D
 Acq: 6 May 2019 13:38

Tgt Ion:112 Resp: 1935
 Ion Ratio Lower Upper
 112 100
 64 55.1 47.4 71.0
 63 126.6 104.3 156.5



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: 0.364 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.01 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PST-001-SW098-042419

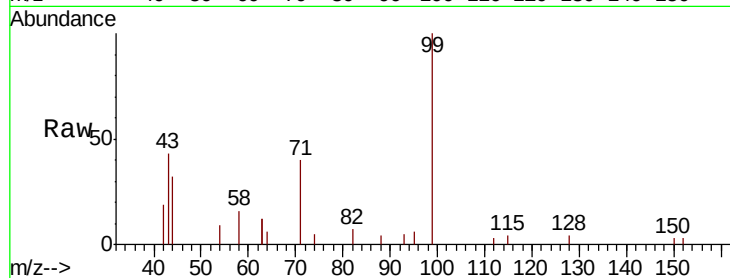
Tgt Ion: 99 Resp: 2785

Ion Ratio Lower Upper

99 100

42 18.3 14.9 22.3

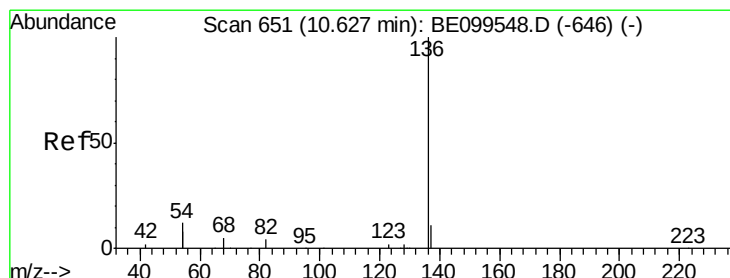
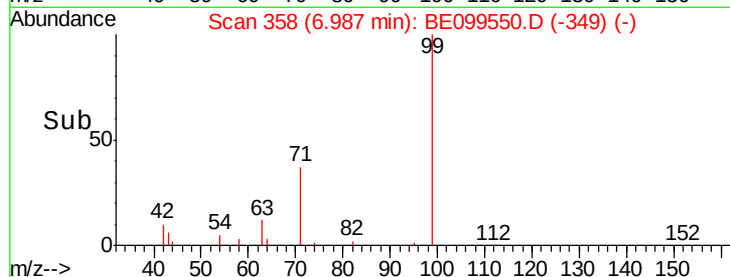
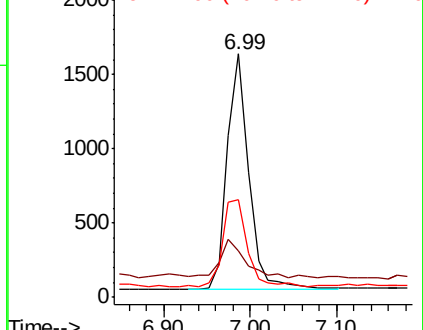
71 41.2 33.0 49.6



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

Tgt Ion: 136 Resp: 7429

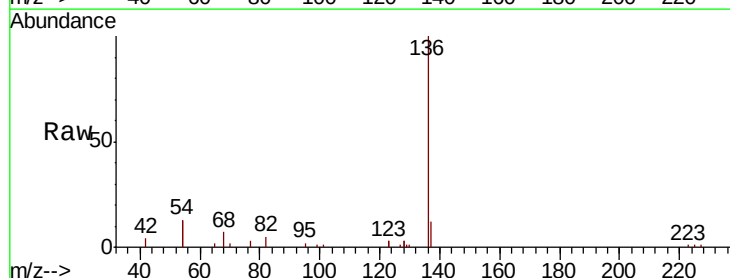
Ion Ratio Lower Upper

136 100

137 11.5 9.8 14.8

54 25.1 18.5 27.7

68 6.6 4.7 7.1

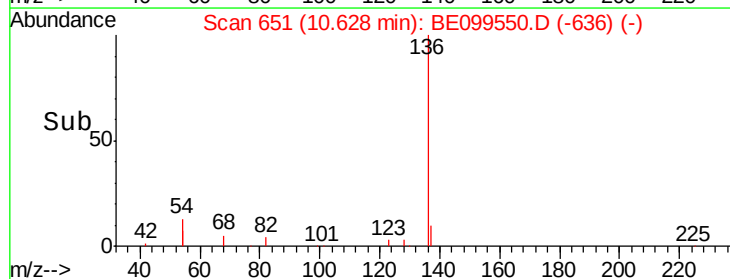
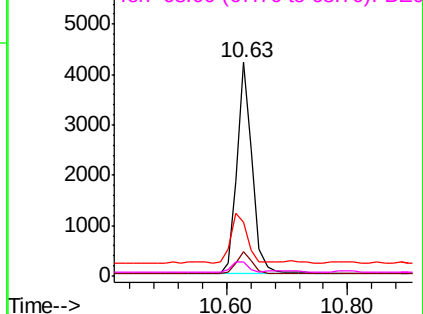


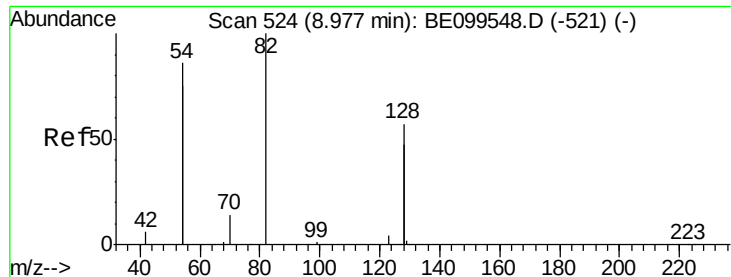
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.335 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PST-001-SW098-042419

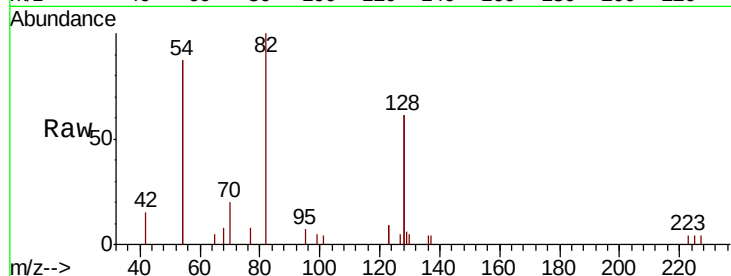
Tgt Ion: 82 Resp: 2331

Ion Ratio Lower Upper

82 100

128 121.6 107.0 160.4

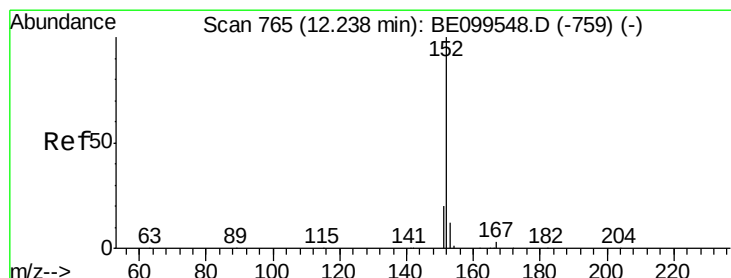
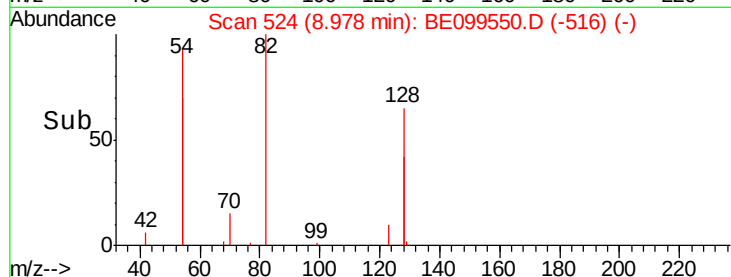
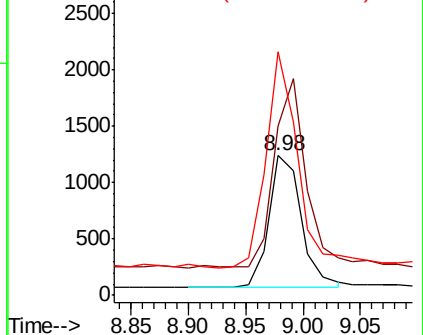
54 174.5 113.1 169.7#



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



#11

2-Methylnaphthalene-d10

Concen: 0.303 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099550.D

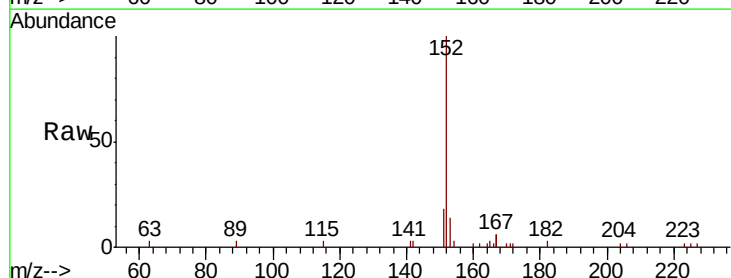
Acq: 6 May 2019 13:38

Tgt Ion: 152 Resp: 4052

Ion Ratio Lower Upper

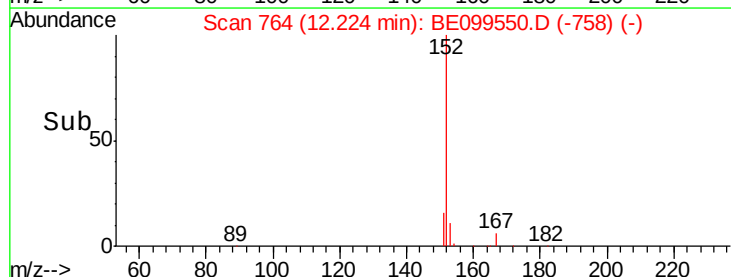
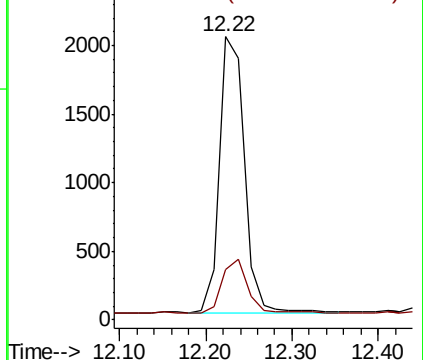
152 100

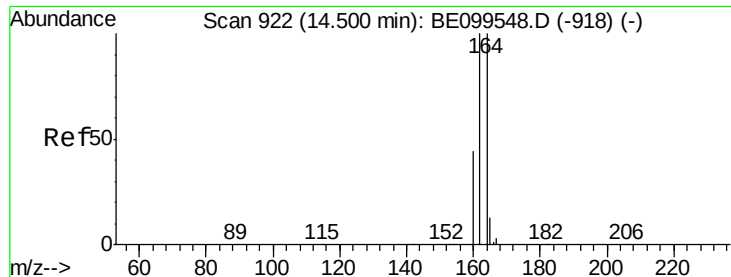
151 20.3 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

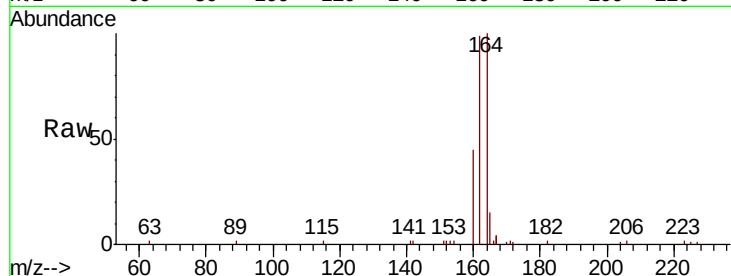




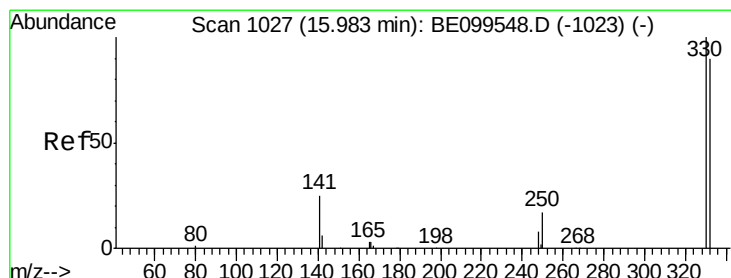
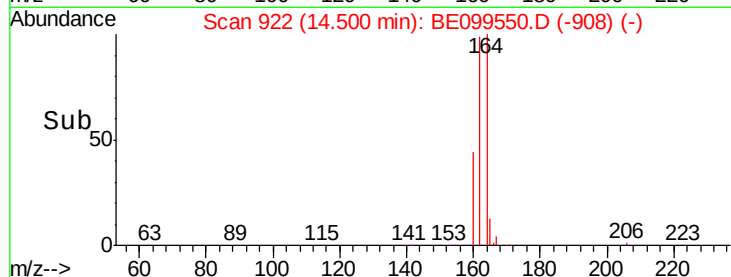
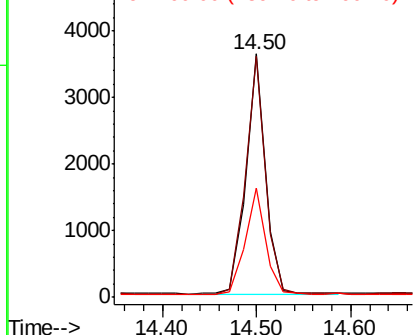
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE099550.D
Acq: 6 May 2019 13:38

Instrument :
BNA_E
ClientSampleId :
PST-001-SW098-042419

Tgt Ion:164 Resp: 5220
Ion Ratio Lower Upper
164 100
162 98.9 79.0 118.4
160 44.9 37.0 55.4

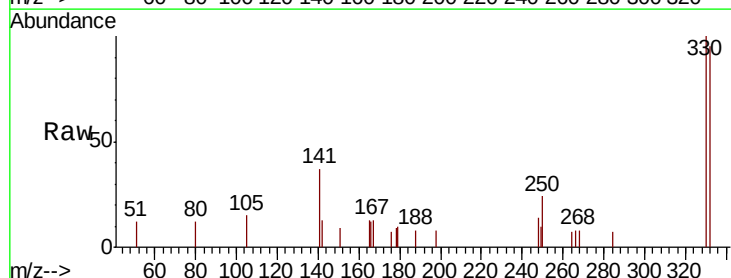


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

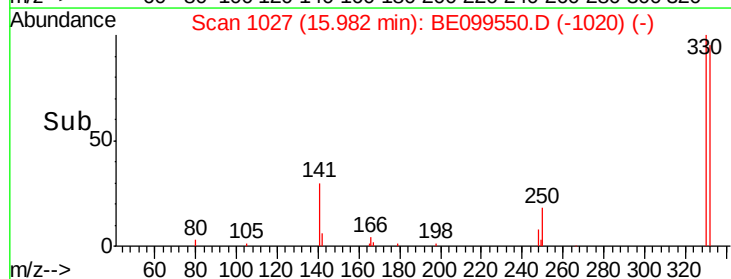
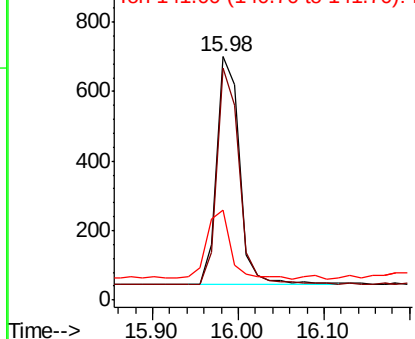


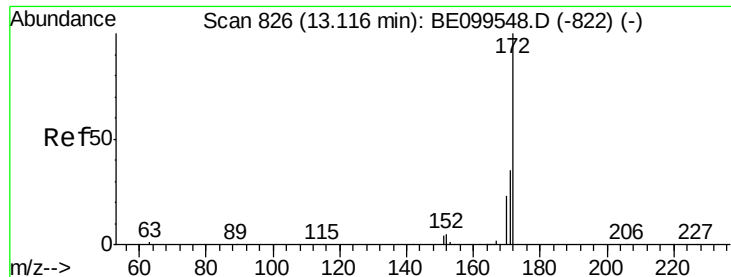
#14
2,4,6-Tribromophenol
Concen: 0.371 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE099550.D
Acq: 6 May 2019 13:38

Tgt Ion:330 Resp: 1220
Ion Ratio Lower Upper
330 100
332 90.5 71.5 107.3
141 31.3 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

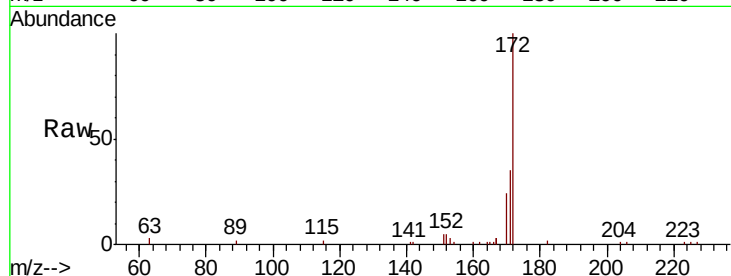




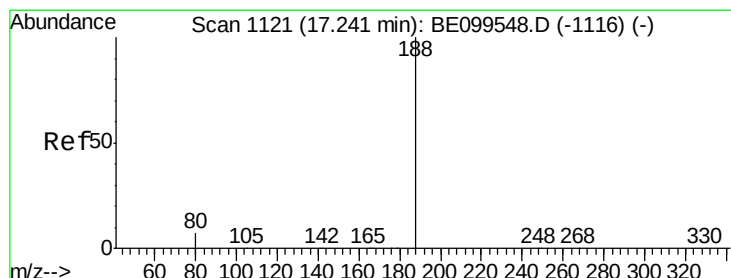
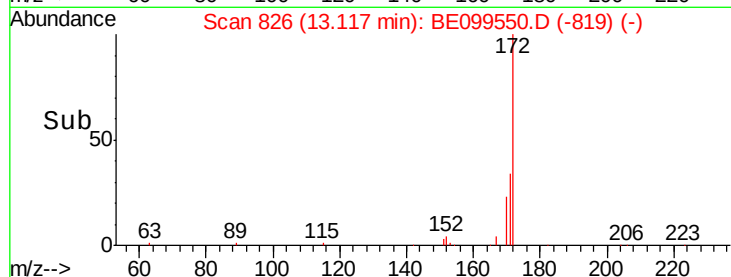
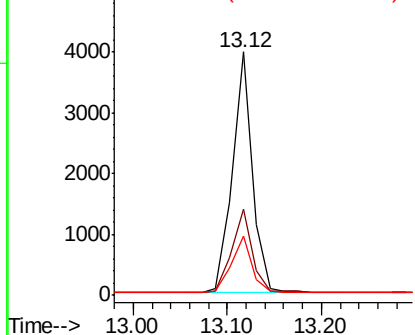
#15
 2-Fluorobiphenyl
 Concen: 0.294 ng
 RT: 13.12 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BE099550.D
 Acq: 6 May 2019 13:38

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW098-042419

Tgt Ion:172 Resp: 5864
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.6 39.8
 170 24.3 17.0 25.6

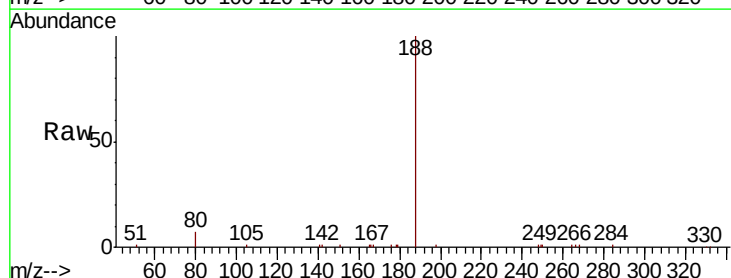


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

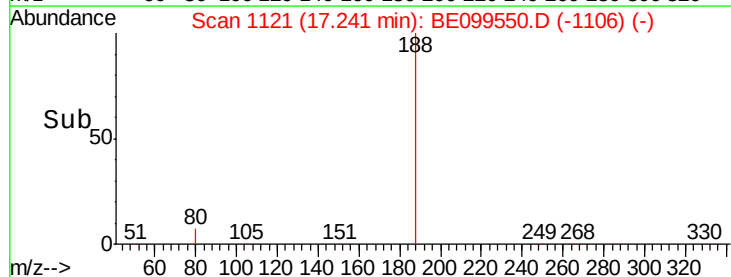
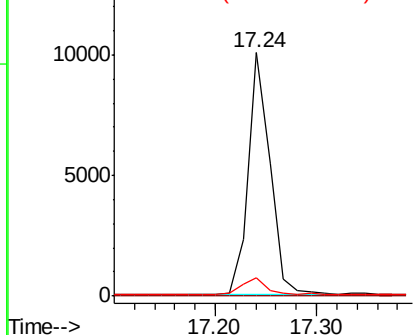


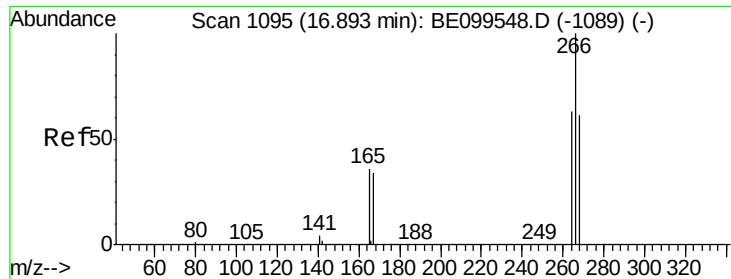
#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.24 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: BE099550.D
 Acq: 6 May 2019 13:38

Tgt Ion:188 Resp: 15158
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 7.4 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

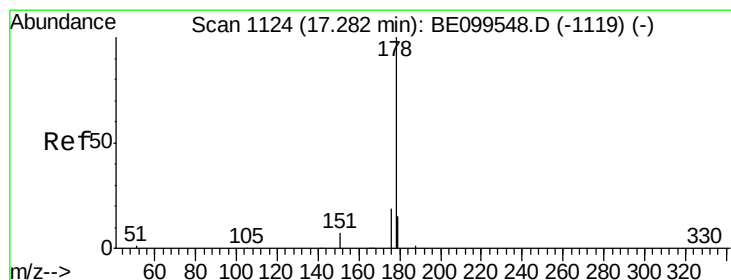
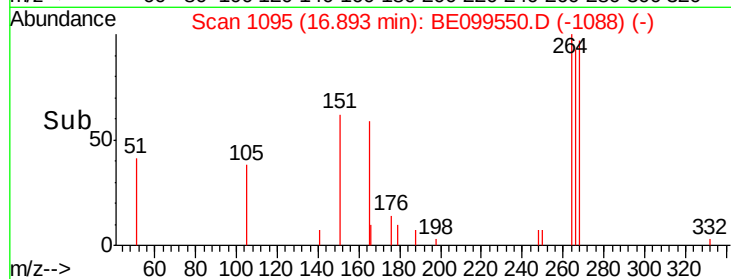
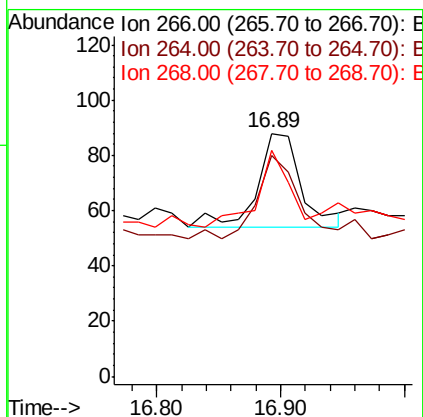
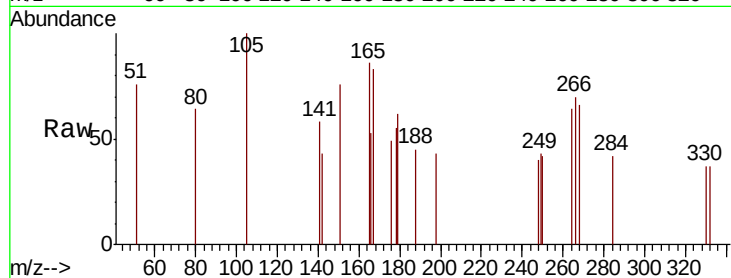




#22
 Pentachlorophenol
 Concen: 0.233 ng
 RT: 16.89 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: BE099550.D
 Acq: 6 May 2019 13:38

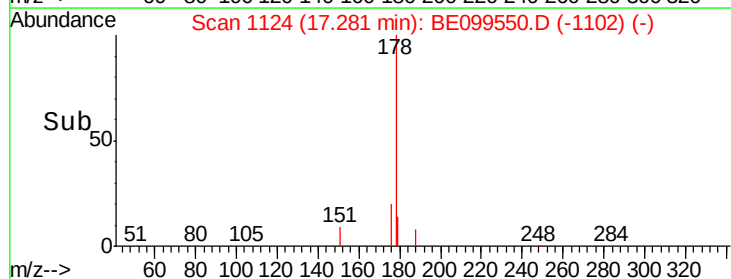
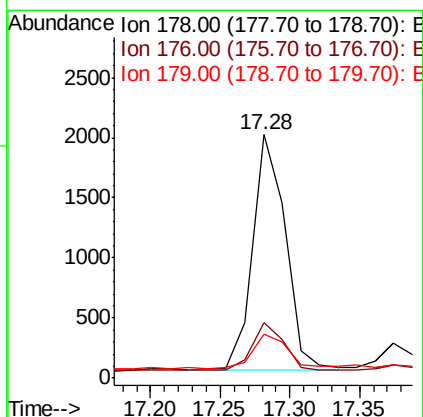
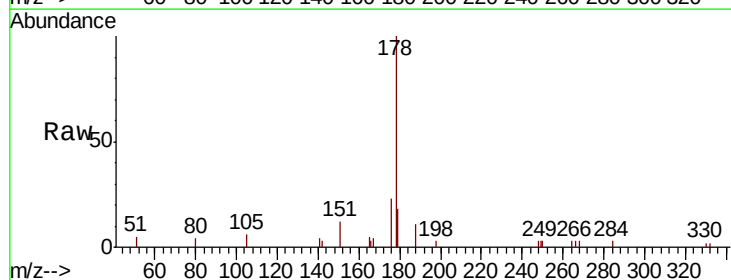
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 PST-001-SW098-042419

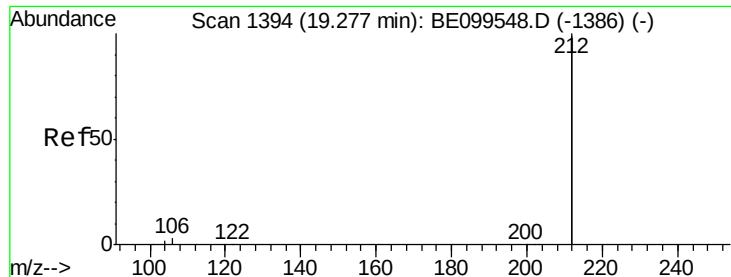
Tgt Ion: 266 Resp: 84
 Ion Ratio Lower Upper
 266 100
 264 90.9 50.8 76.2#
 268 93.2 50.5 75.7#



#23
 Phenanthrene
 Concen: 0.081 ng
 RT: 17.28 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: BE099550.D
 Acq: 6 May 2019 13:38

Tgt Ion: 178 Resp: 3186
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.6 23.4
 179 16.4 12.0 18.0





#25

Fluoranthene-d10

Concen: 0.292 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PST-001-SW098-042419

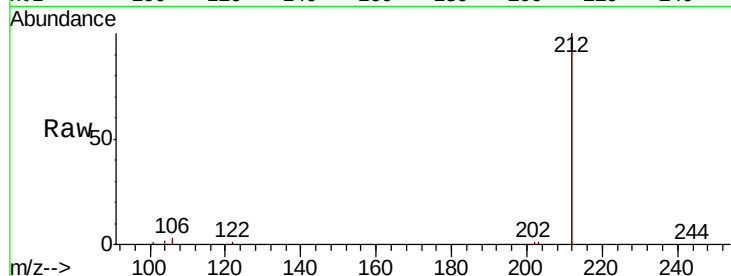
Tgt Ion:212 Resp: 59713

Ion Ratio Lower Upper

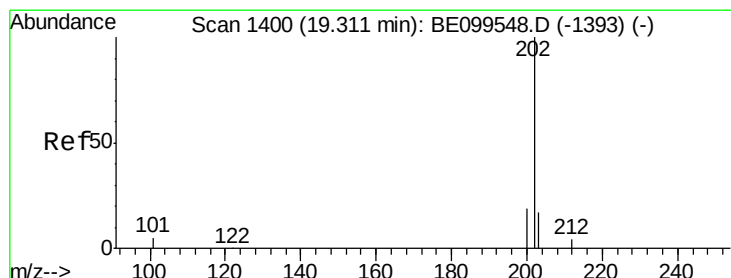
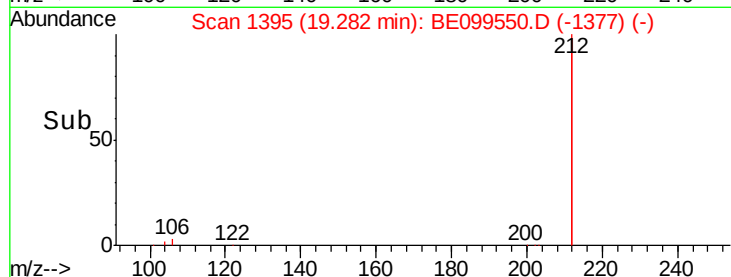
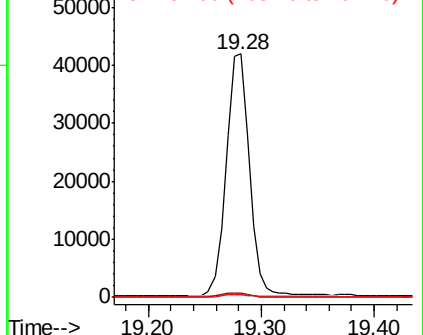
212 100

106 1.7 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: 0.157 ng

RT: 19.31 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

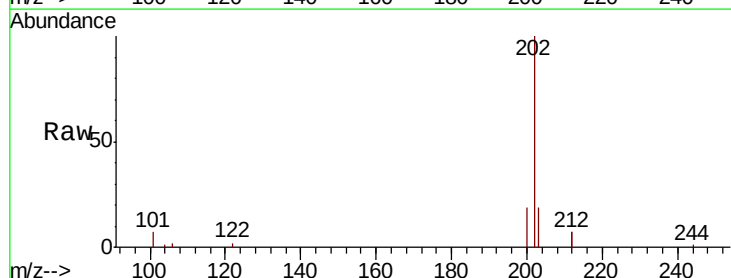
Tgt Ion:202 Resp: 9184

Ion Ratio Lower Upper

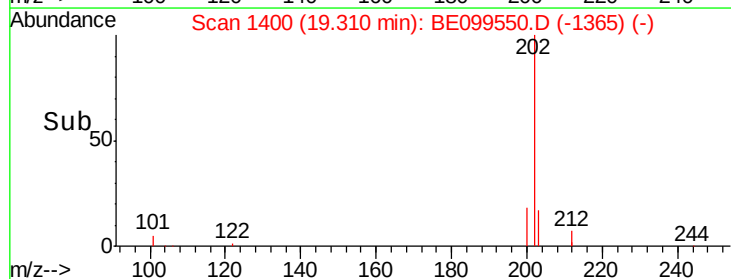
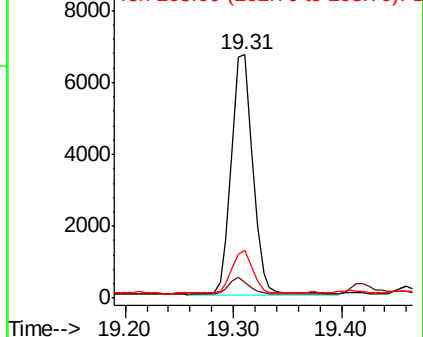
202 100

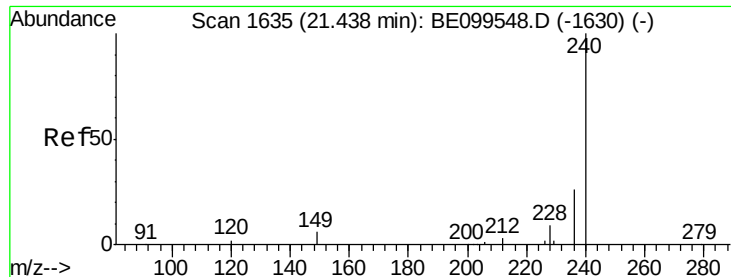
101 7.3 5.4 8.0

203 17.1 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PST-001-SW098-042419

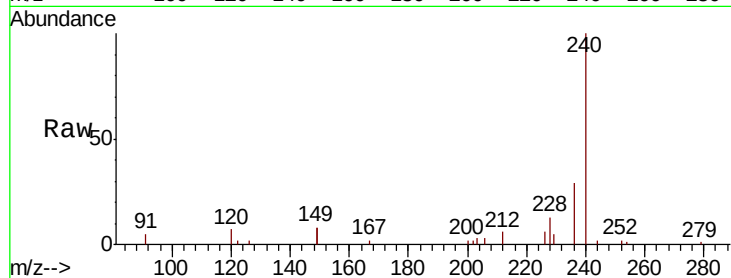
Tgt Ion:240 Resp: 21971

Ion Ratio Lower Upper

240 100

120 6.7 4.0 6.0#

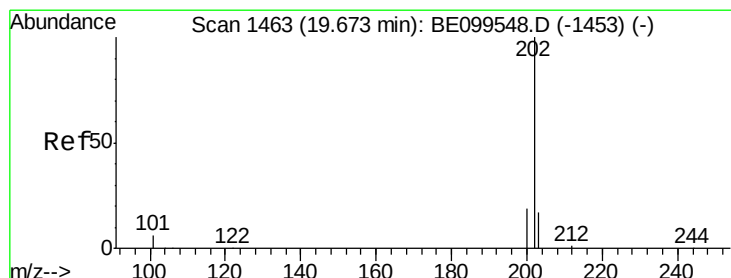
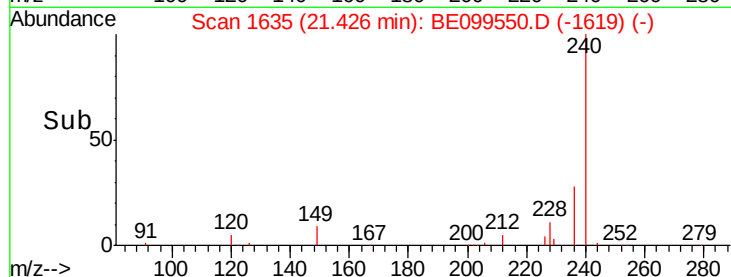
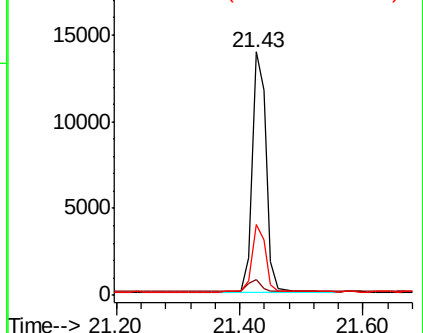
236 28.8 22.0 33.0



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: 0.171 ng

RT: 19.67 min Scan# 1463

Delta R.T. -0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

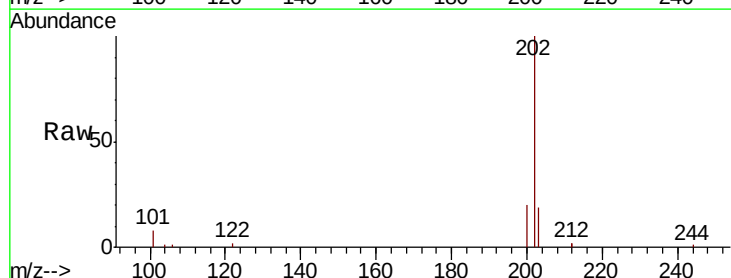
Tgt Ion:202 Resp: 9774

Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

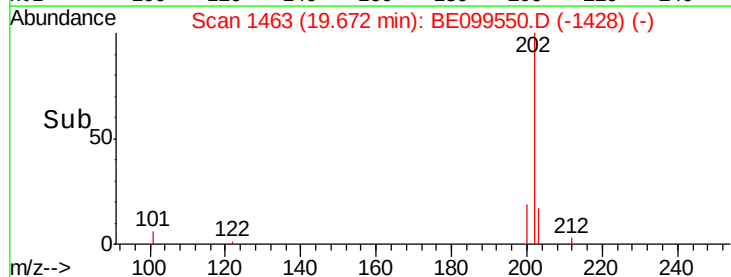
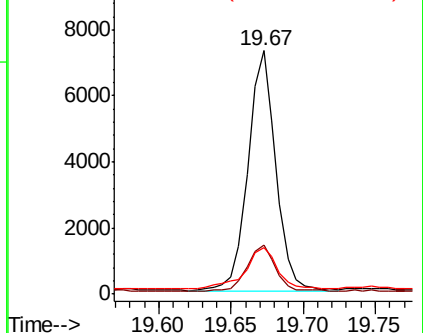
203 20.7 13.9 20.9

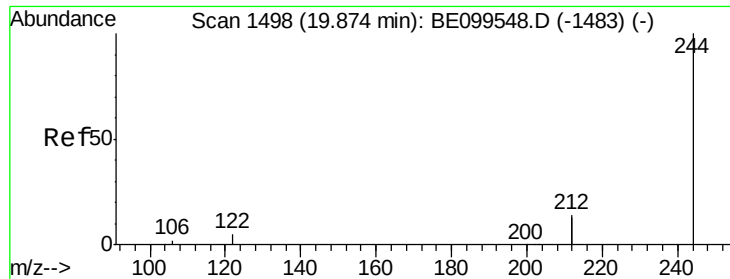


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.294 ng

RT: 19.87 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PST-001-SW098-042419

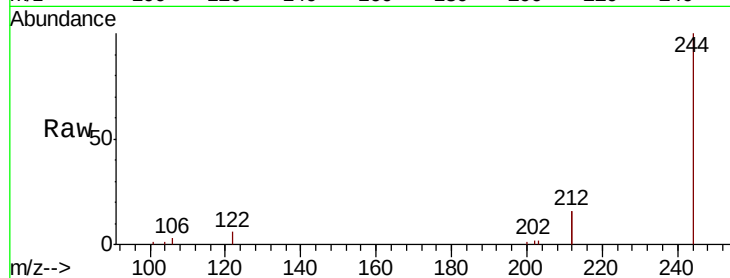
Tgt Ion:244 Resp: 11828

Ion Ratio Lower Upper

244 100

212 31.8 23.2 34.8

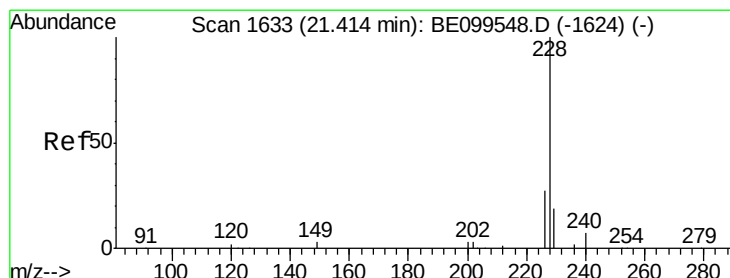
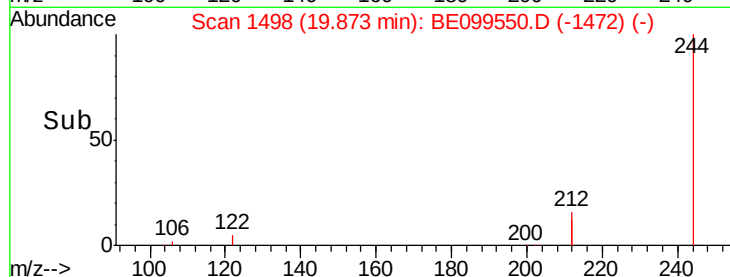
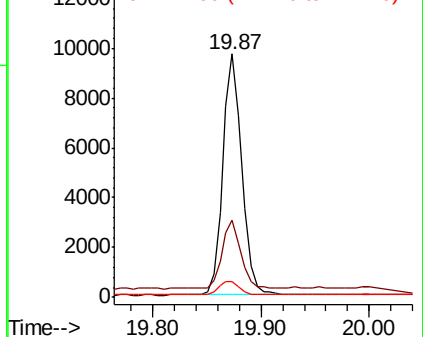
122 6.3 4.2 6.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.091 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

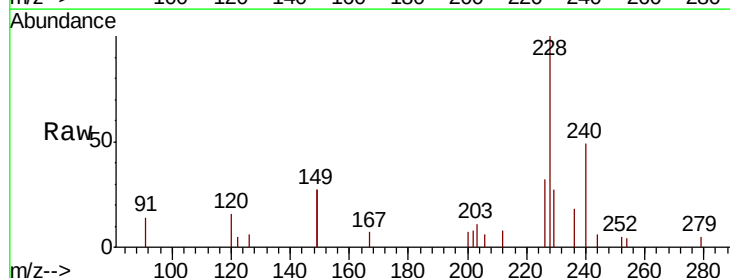
Tgt Ion:228 Resp: 6344

Ion Ratio Lower Upper

228 100

226 32.1 21.0 31.6#

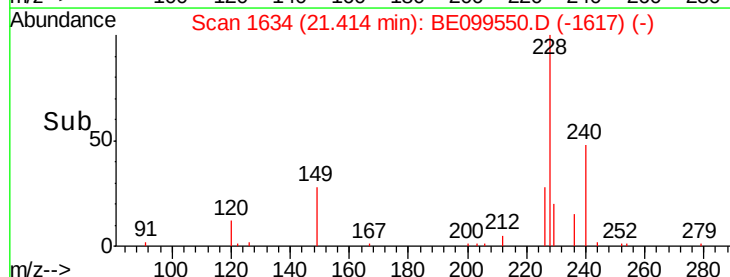
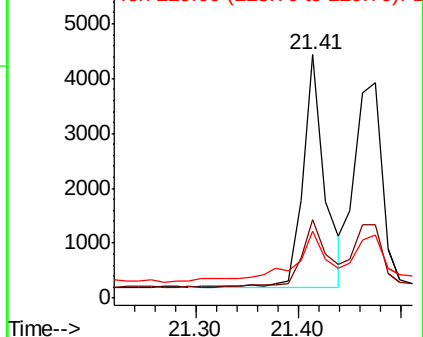
229 27.3 16.6 25.0#

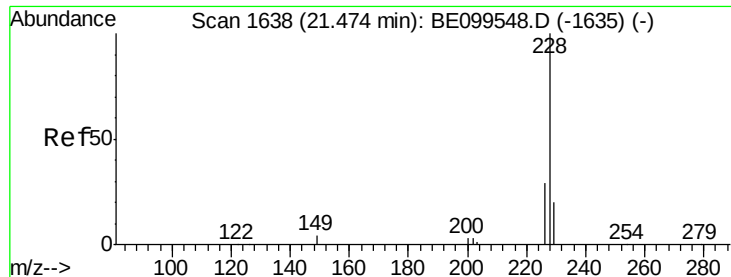


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.100 ng

RT: 21.47 min Scan# 1639

Delta R.T. 0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PST-001-SW098-042419

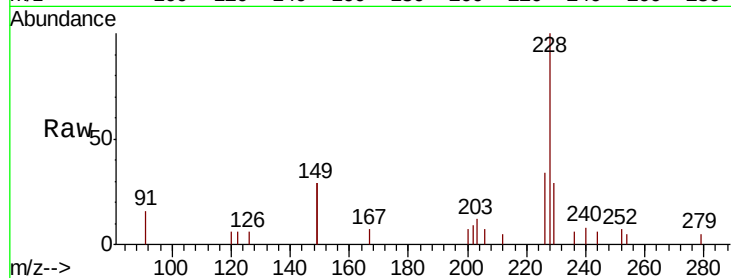
Tgt Ion:228 Resp: 6818

Ion Ratio Lower Upper

228 100

226 33.8 24.0 36.0

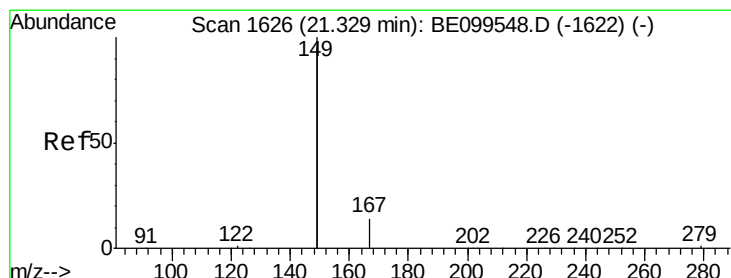
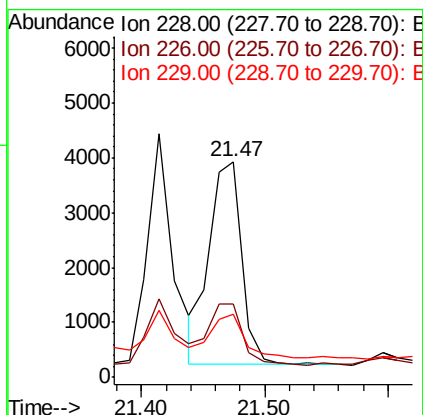
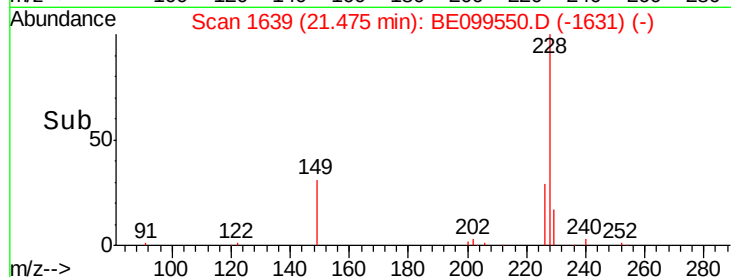
229 29.4 15.8 23.8#



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: 0.044 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

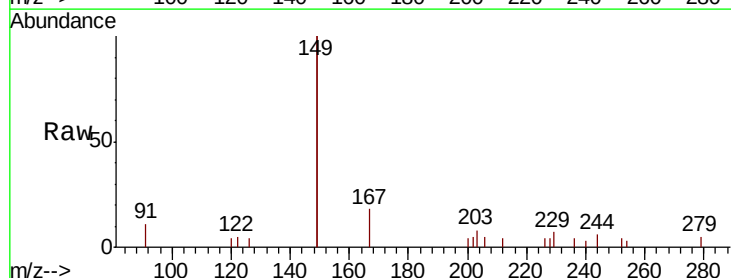
Tgt Ion:149 Resp: 11417

Ion Ratio Lower Upper

149 100

167 7.7 5.8 8.6

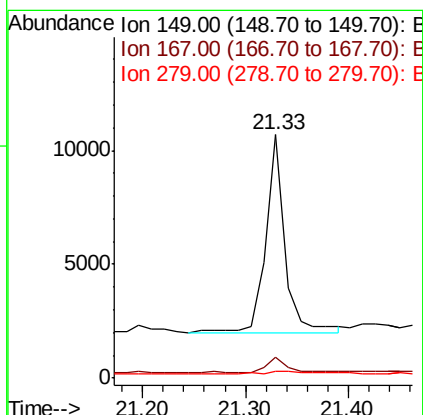
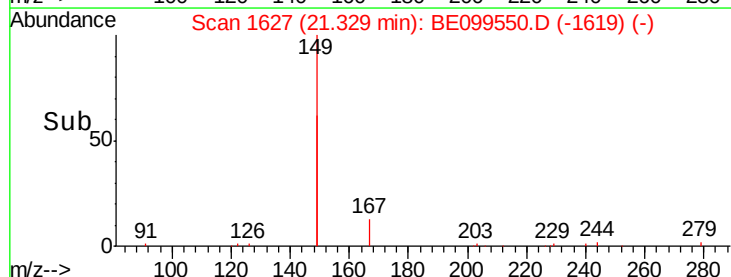
279 1.8 1.0 1.6#

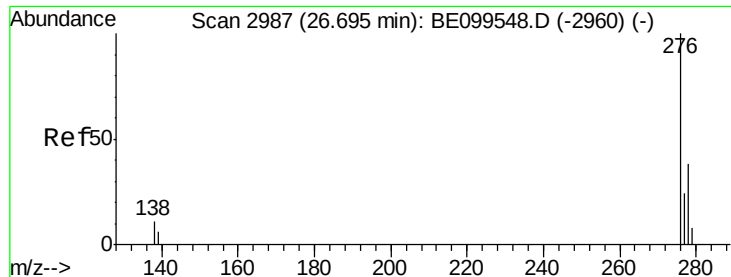


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.056 ng

RT: 26.69 min Scan# 2987

Delta R.T. -0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PST-001-SW098-042419

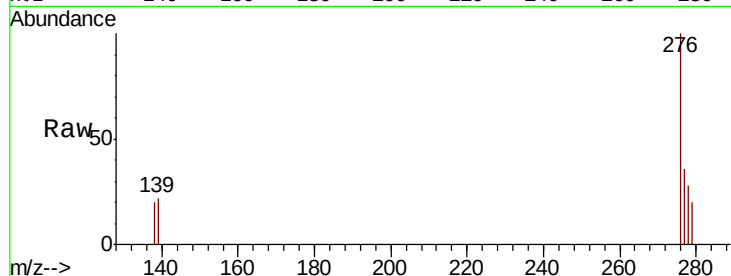
Tgt Ion:276 Resp: 4541

Ion Ratio Lower Upper

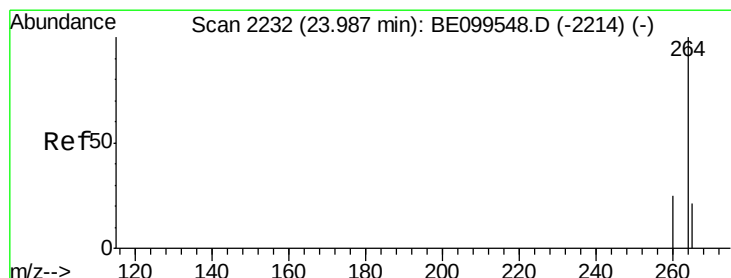
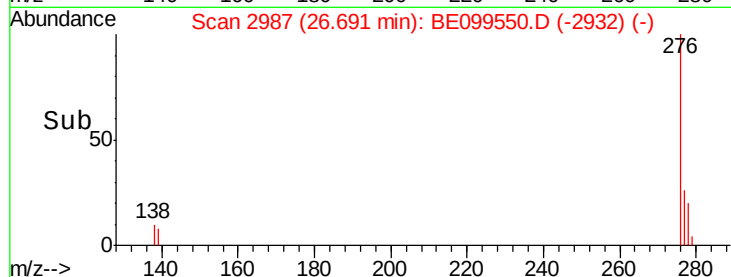
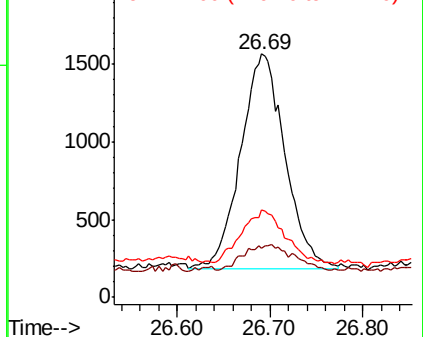
276 100

138 13.6 10.2 15.2

277 24.4 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: 23.98 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

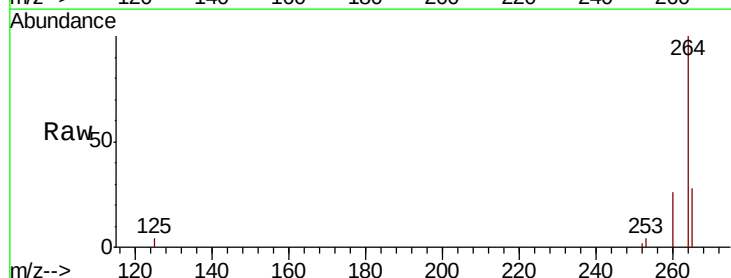
Tgt Ion:264 Resp: 25638

Ion Ratio Lower Upper

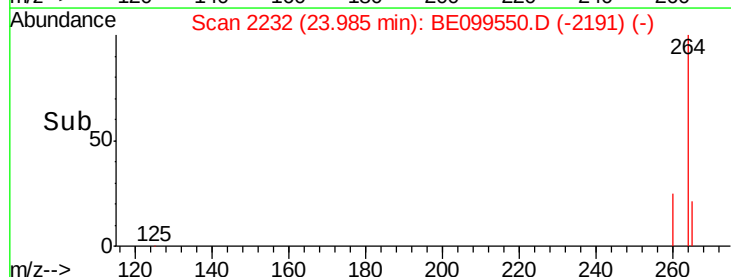
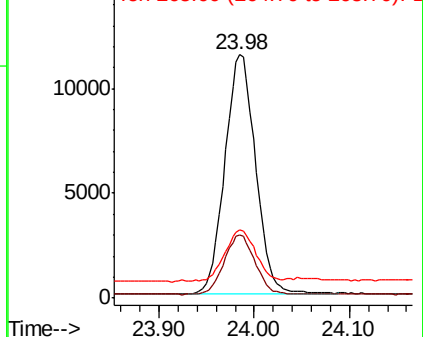
264 100

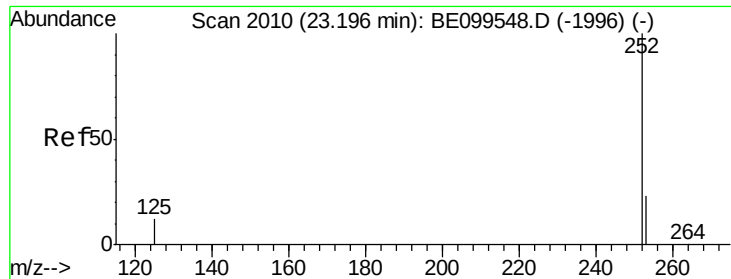
260 26.2 20.2 30.2

265 27.8 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: 0.119 ng

RT: 23.20 min Scan# 2012

Delta R.T. 0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PST-001-SW098-042419

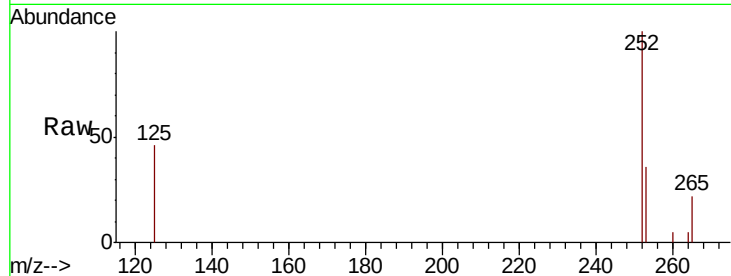
Tgt Ion:252 Resp: 8793

Ion Ratio Lower Upper

252 100

253 36.3 18.1 27.1#

125 45.7 5.6 8.4#

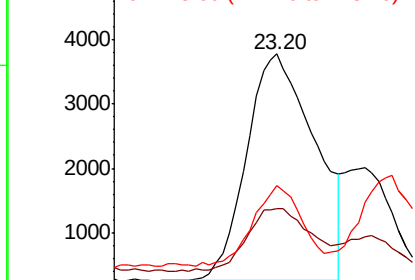


Abundance

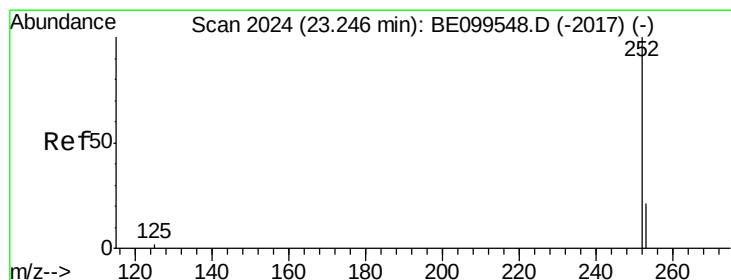
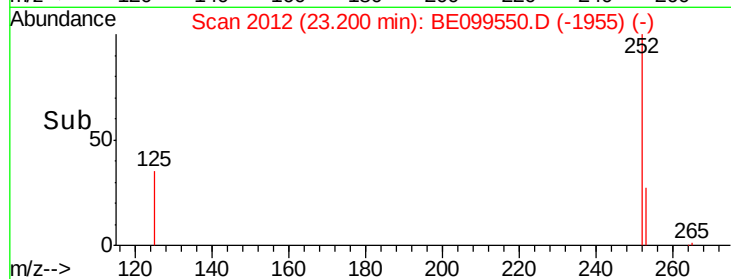
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#36

Benzo(k)fluoranthene

Concen: 0.123 ng

RT: 23.20 min Scan# 2012

Delta R.T. -0.05 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

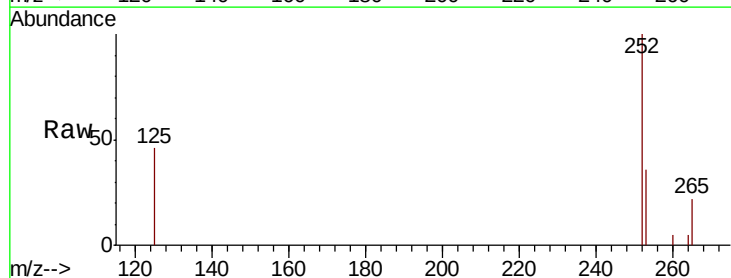
Tgt Ion:252 Resp: 8793

Ion Ratio Lower Upper

252 100

253 36.3 18.4 27.6#

125 45.7 5.0 7.4#

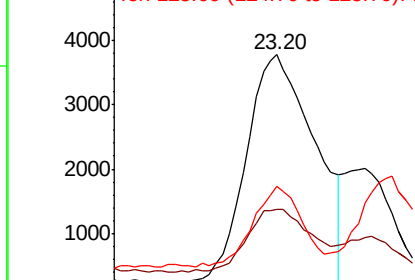


Abundance

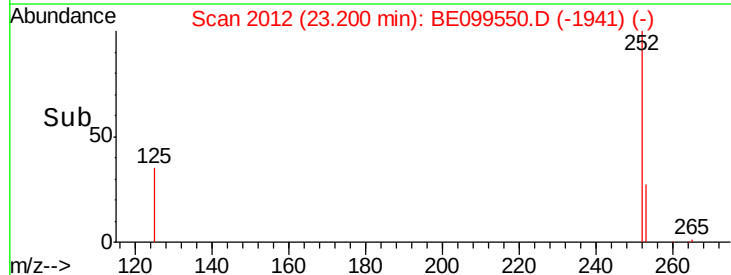
Ion 252.00 (251.70 to 252.70): E

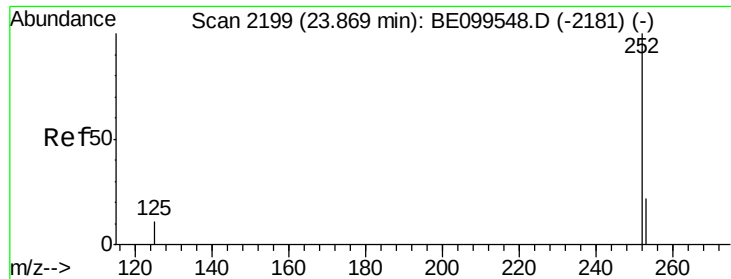
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#37

Benzo(a)pyrene

Concen: 0.086 ng

RT: 23.87 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

PST-001-SW098-042419

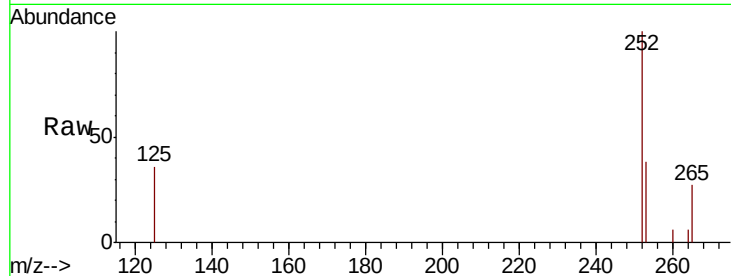
Tgt Ion: 252 Resp: 6009

Ion Ratio Lower Upper

252 100

253 37.6 18.9 28.3#

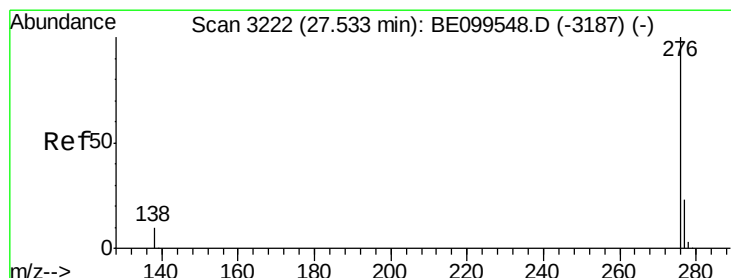
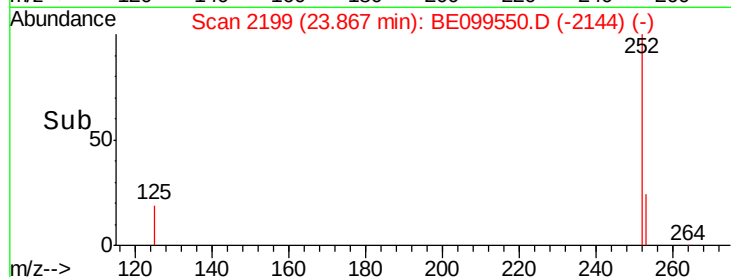
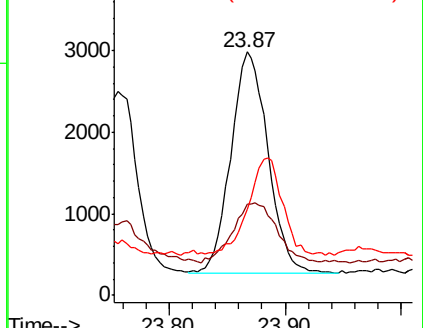
125 35.6 6.7 10.1#



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(g,h,i)perylene

Concen: 0.065 ng

RT: 27.53 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE099550.D

Acq: 6 May 2019 13:38

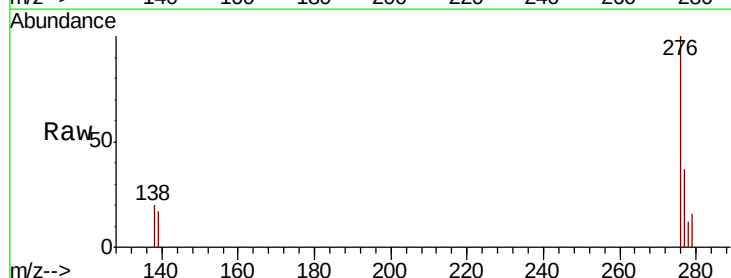
Tgt Ion: 276 Resp: 4677

Ion Ratio Lower Upper

276 100

277 37.1 19.5 29.3#

138 20.1 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

