

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099125.D
 Acq On : 23 Mar 2019 00:01
 Operator : JU/SJ
 Sample : K2014-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW045-031919

Quant Time: Mar 24 03:42:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3427	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13593	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9144	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	25861	0.40	ng	0.00
27) Chrysene-d12	21.38	240	37425	0.40	ng	-0.01
34) Perylene-d12	23.89	264	40890	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4511	0.44	ng	0.00
5) Phenol-d6	6.99	99	6446	0.44	ng	0.00
8) Nitrobenzene-d5	8.99	82	4405	0.74	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	9437	0.39	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1656	0.62	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14283	0.39	ng	-0.01
25) Fluoranthene-d10	19.24	212	136108	0.39	ng	0.00
29) Terphenyl-d14	19.83	244	26162	0.33	ng	0.00

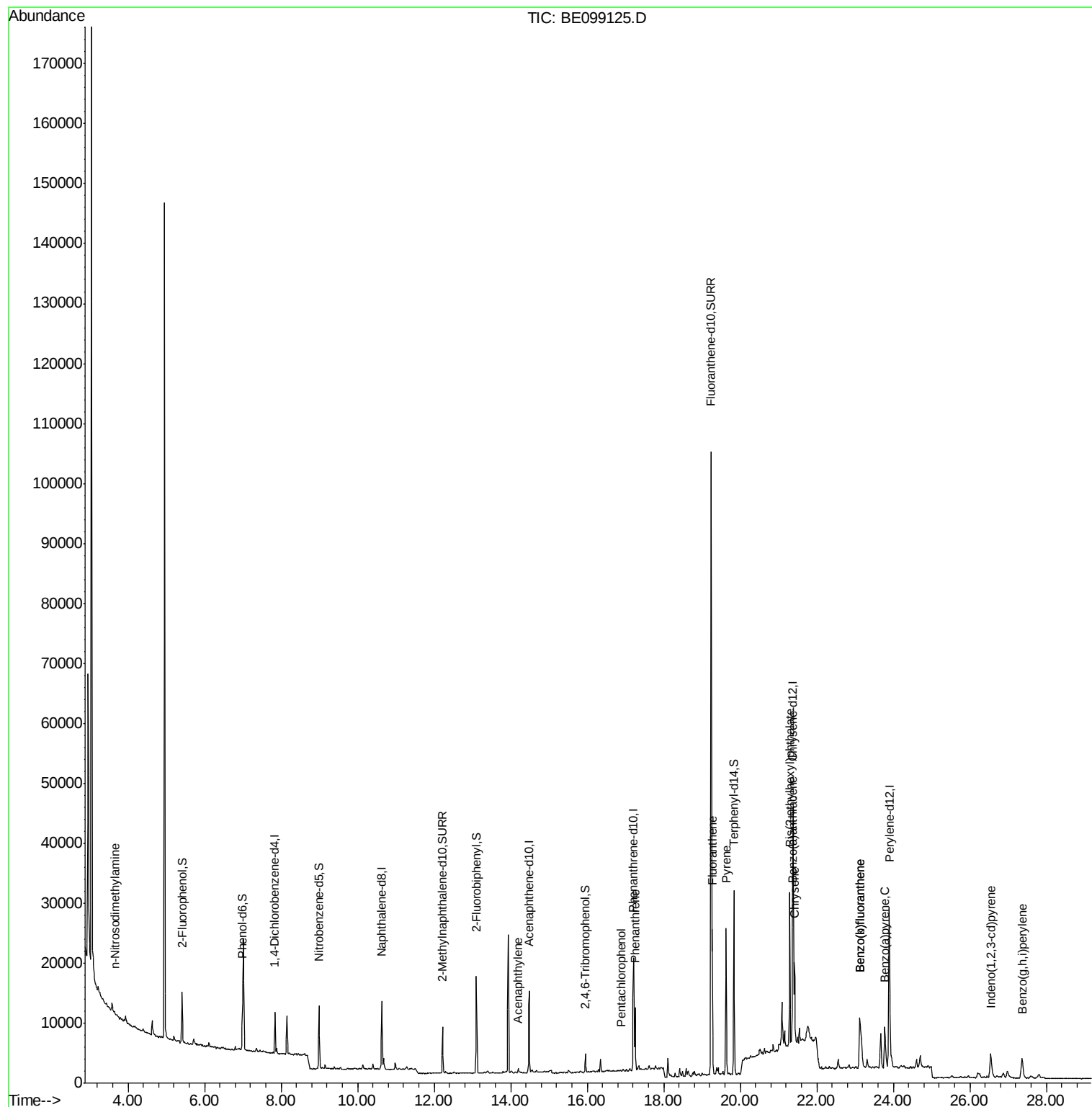
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.66	42	77	0.028	ng	# 1
16) Acenaphthylene	14.20	152	1141	0.023	ng	97
22) Pentachlorophenol	16.89	266	58	0.262	ng	91
23) Phenanthrene	17.25	178	10868	0.142	ng	99
26) Fluoranthene	19.27	202	21386	0.198	ng	99
28) Pyrene	19.63	202	23414	0.184	ng	96
30) Benzo(a)anthracene	21.37	228	12352	0.094	ng	96
31) Chrysene	21.41	228	13491	0.102	ng	94
32) Bis(2-ethylhexyl)phthalate	21.29	149	27248	0.159	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	7814	0.055	ng	98
35) Benzo(b)fluoranthene	23.12	252	16443	0.116	ng	# 89
36) Benzo(k)fluoranthene	23.12	252	16443	0.119	ng	# 92
37) Benzo(a)pyrene	23.78	252	11463	0.088	ng	# 93
39) Benzo(g,h,i)perylene	27.36	276	8386	0.064	ng	# 94

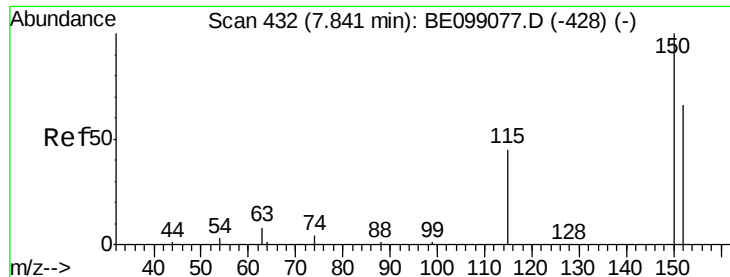
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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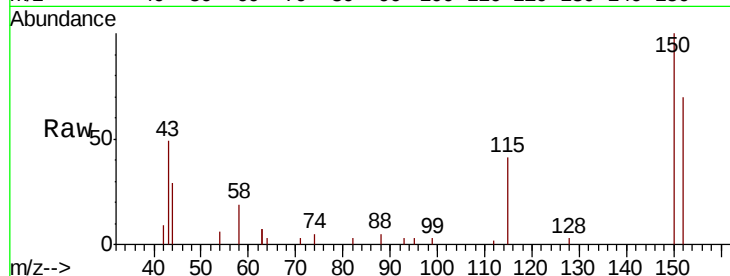


#1

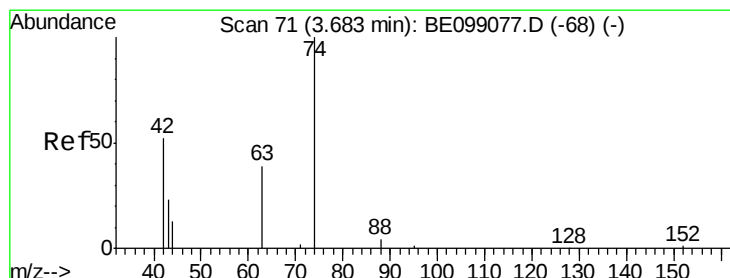
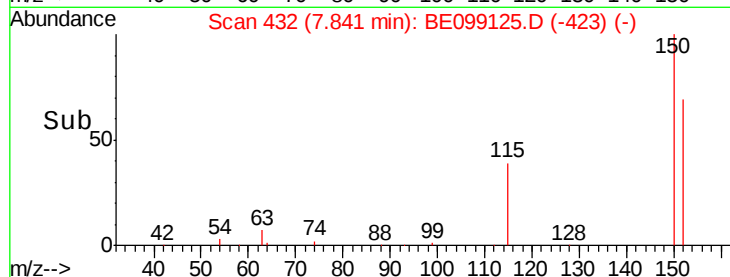
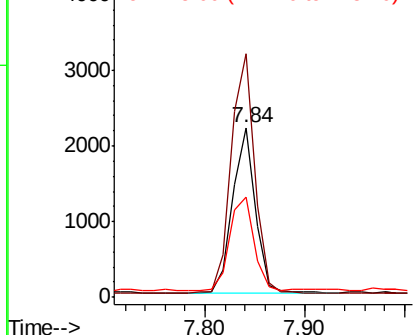
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:152 Resp: 3427
Ion Ratio Lower Upper
152 100
150 143.7 122.5 183.7
115 59.5 57.4 86.2



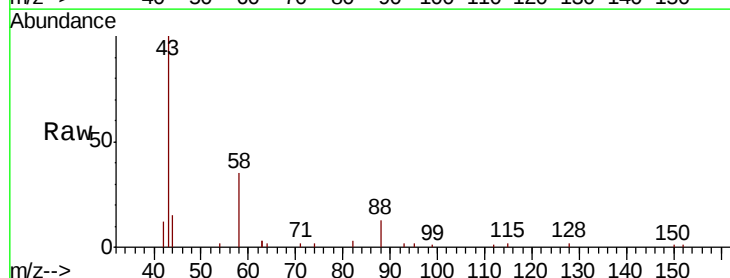
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



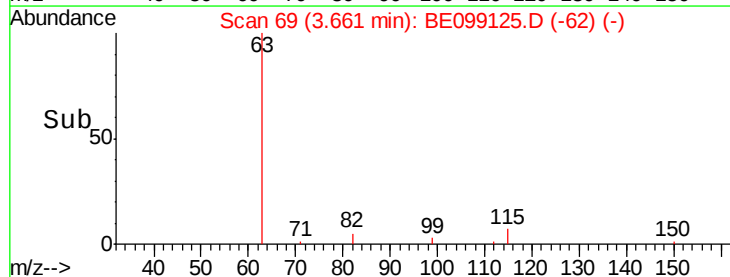
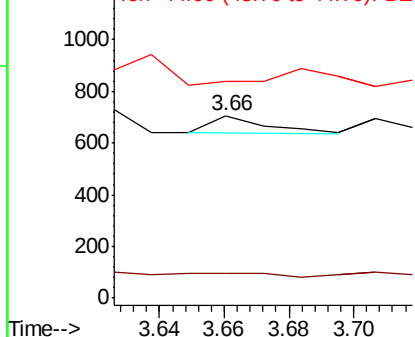
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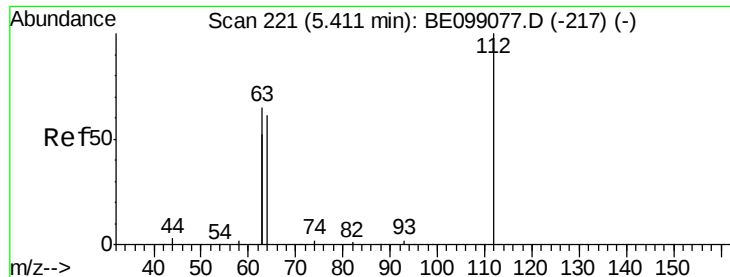
n-Nitrosodimethylamine
Concen: 0.028 ng
RT: 3.66 min Scan# 69
Delta R.T. -0.02 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Tgt Ion: 42 Resp: 77
Ion Ratio Lower Upper
42 100
74 0.0 160.0 240.0#
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





#4

2-Fluorophenol

Concen: 0.442 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

ClientSampleId :

PST-026-SW045-031919

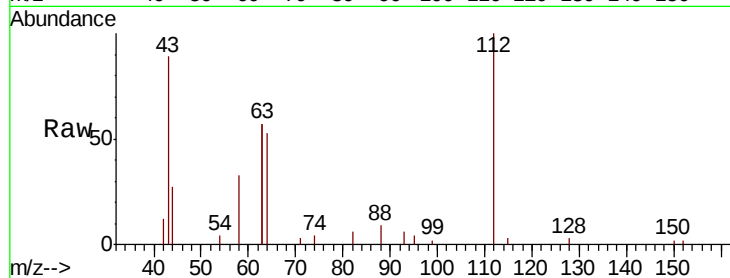
Tgt Ion: 112 Resp: 4511

Ion Ratio Lower Upper

112 100

64 59.1 57.9 86.9

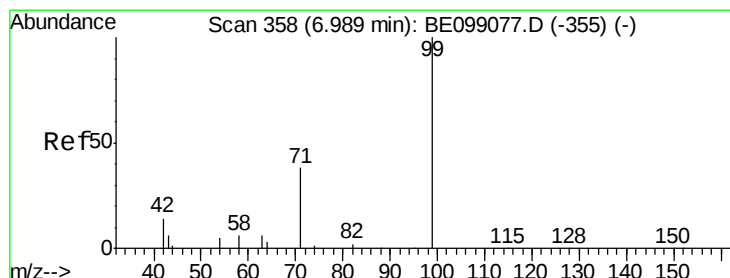
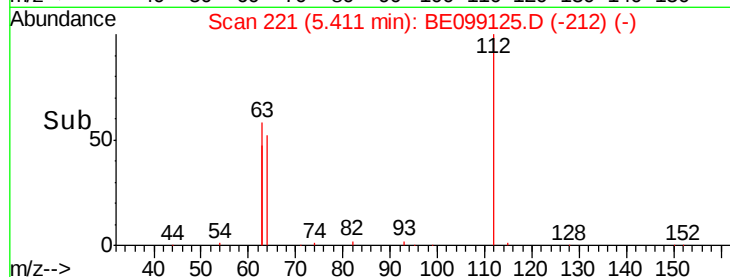
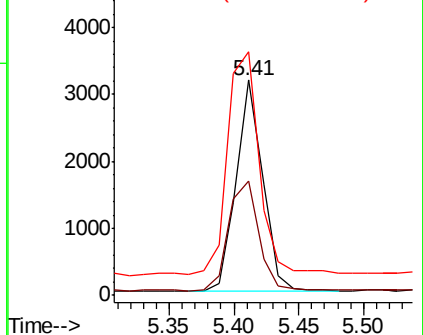
63 126.6 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.439 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

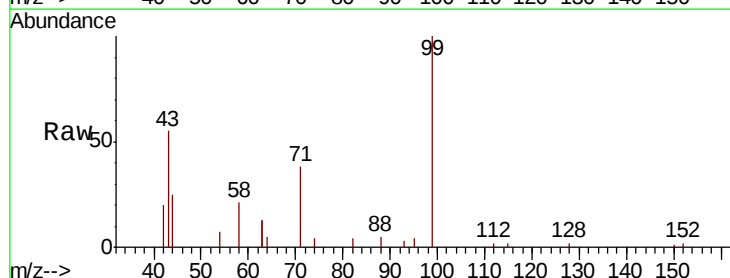
Tgt Ion: 99 Resp: 6446

Ion Ratio Lower Upper

99 100

42 24.4 24.2 36.2

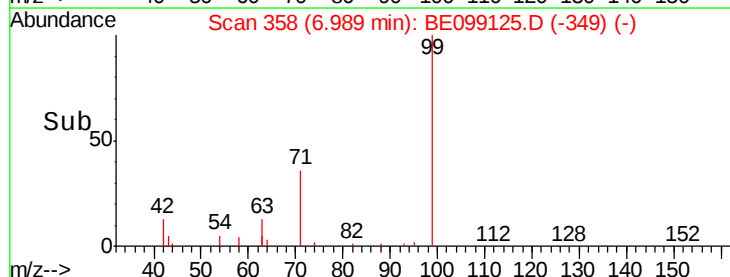
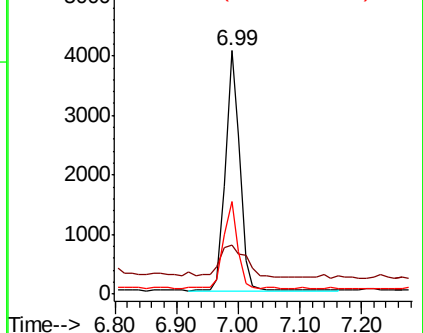
71 36.2 35.7 53.5

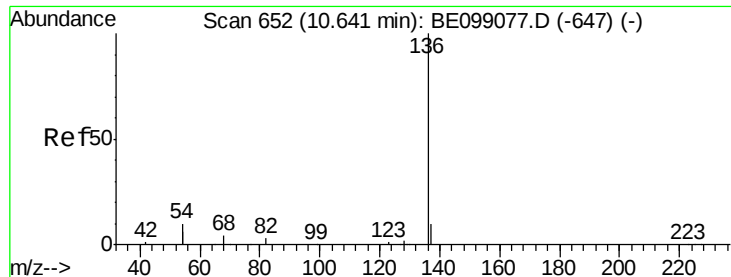


Abundance Ion 99.00 (98.70 to 99.70): BE0

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. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

ClientSampleId :

PST-026-SW045-031919

Tgt Ion:136 Resp: 13593

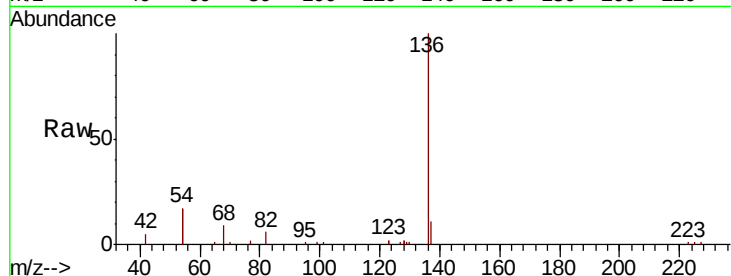
Ion Ratio Lower Upper

136 100

137 11.5 11.4 17.0

54 33.2 39.3 58.9#

68 8.5 6.7 10.1

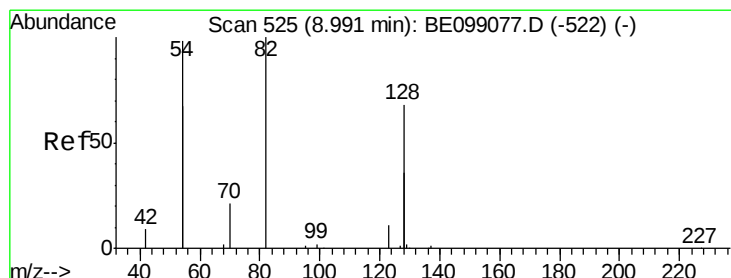
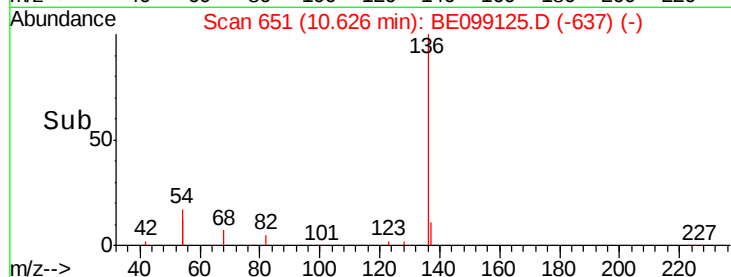
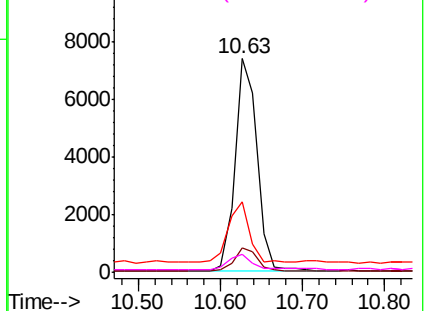


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.741 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

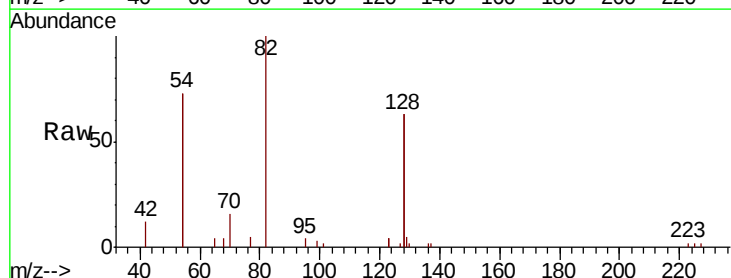
Tgt Ion: 82 Resp: 4405

Ion Ratio Lower Upper

82 100

128 125.6 123.8 185.8

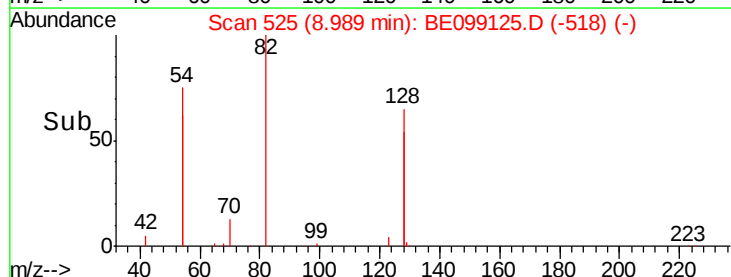
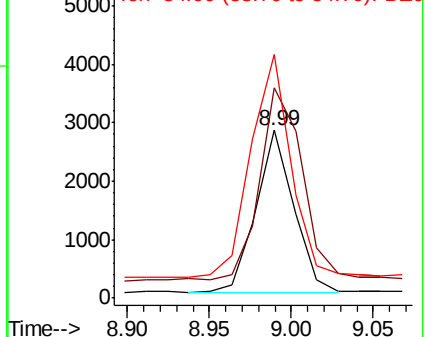
54 145.3 203.4 305.2#

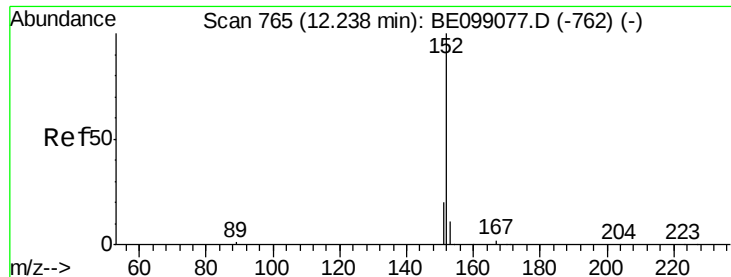


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

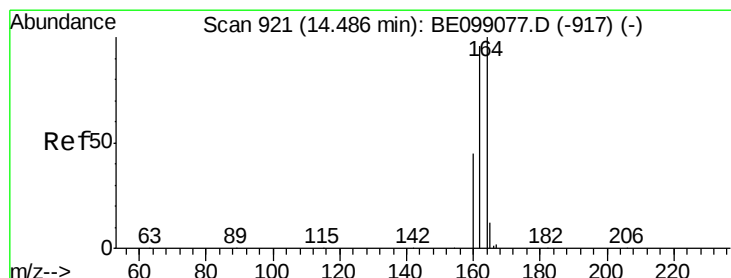
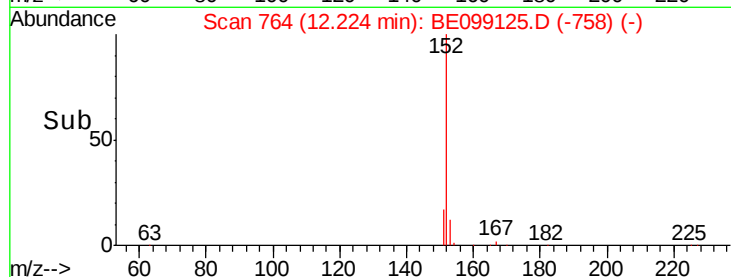
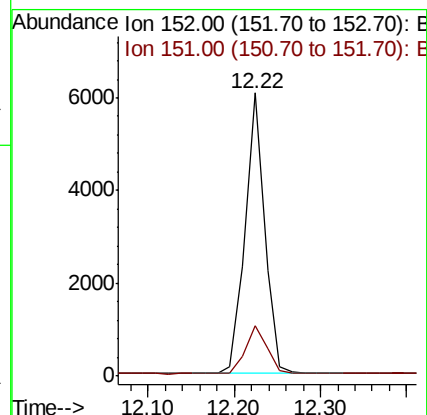
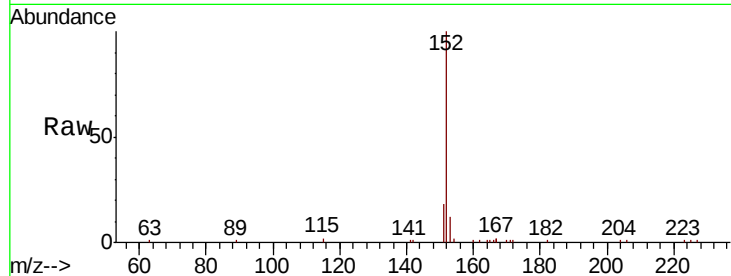




#11
 2-Methylnaphthalene-d10
 Concen: 0.385 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BE099125.D
 Acq: 23 Mar 2019 00:01

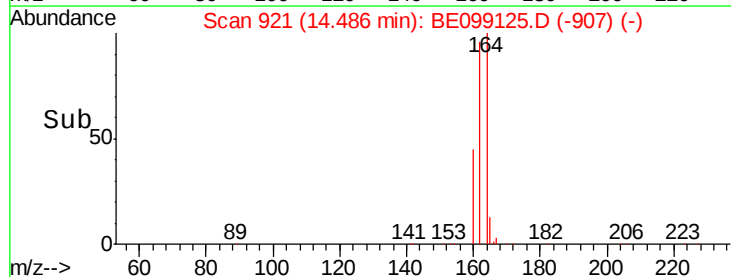
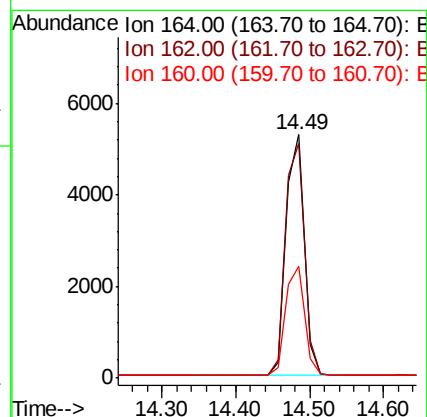
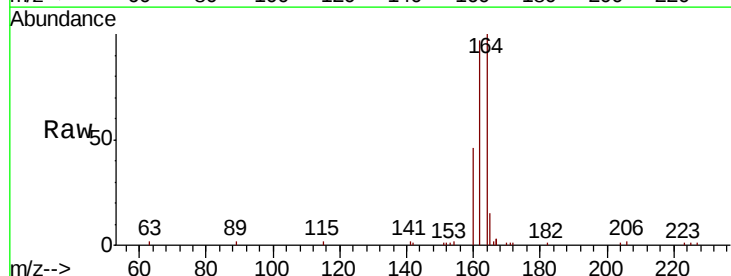
Instrument :
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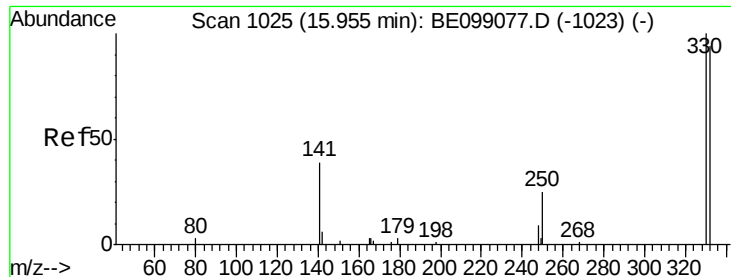
Tgt Ion:152 Resp: 9437
 Ion Ratio Lower Upper
 152 100
 151 18.9 16.5 24.7



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: BE099125.D
 Acq: 23 Mar 2019 00:01

Tgt Ion:164 Resp: 9144
 Ion Ratio Lower Upper
 164 100
 162 96.5 80.2 120.2
 160 45.7 37.8 56.8

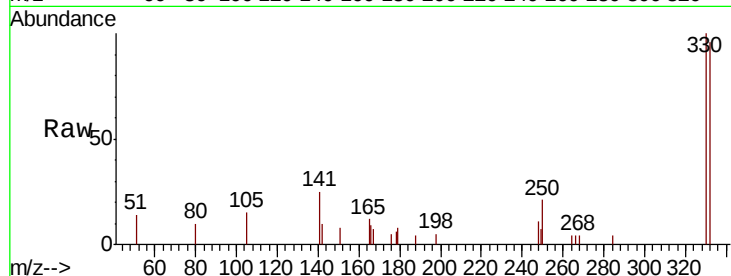




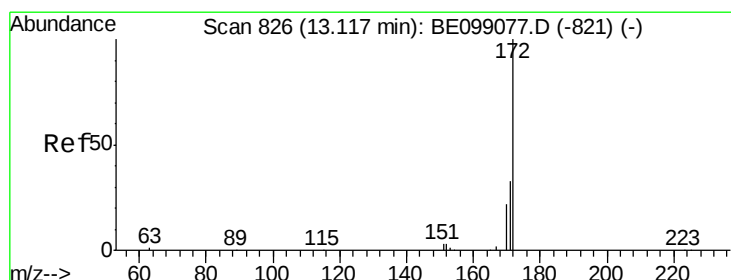
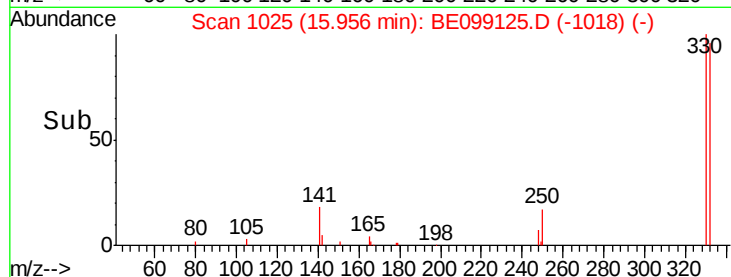
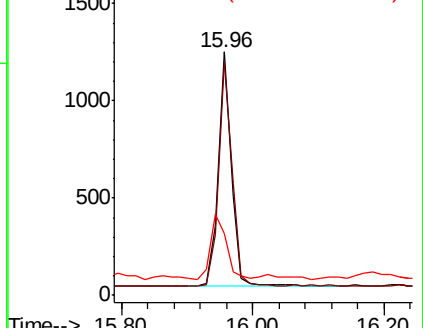
#14
 2,4,6-Tribromophenol
 Concen: 0.616 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099125.D
 Acq: 23 Mar 2019 00:01

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW045-031919

Tgt Ion:330 Resp: 1656
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.6 116.4
 141 31.7 31.0 46.4

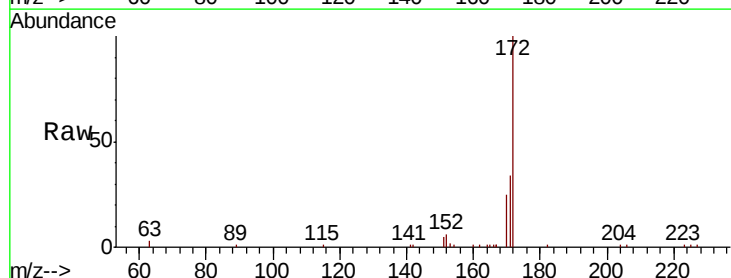


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

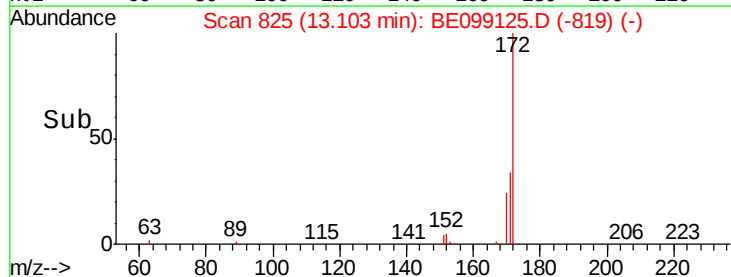
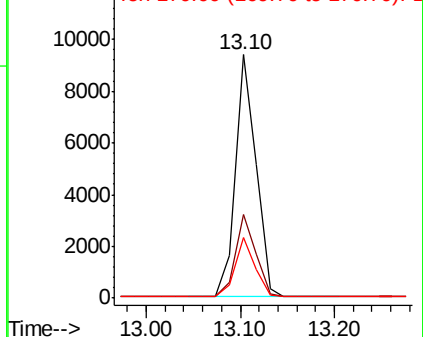


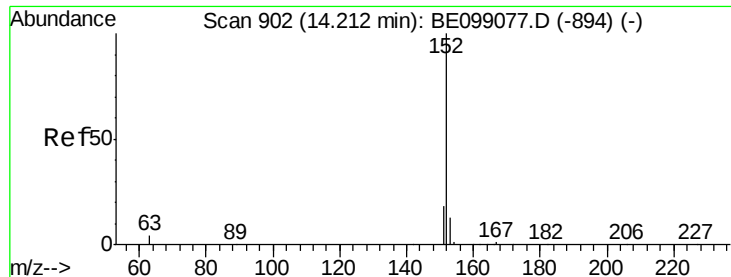
#15
 2-Fluorobiphenyl
 Concen: 0.393 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BE099125.D
 Acq: 23 Mar 2019 00:01

Tgt Ion:172 Resp: 14283
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.0 42.0
 170 24.7 17.7 26.5



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

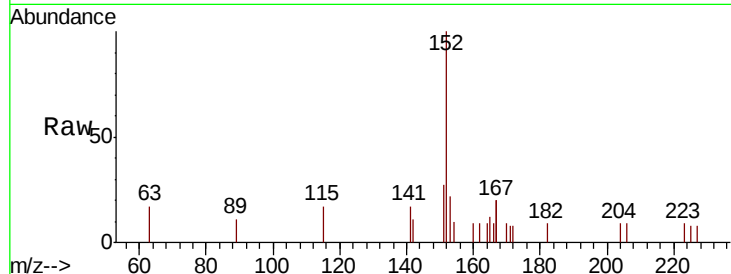




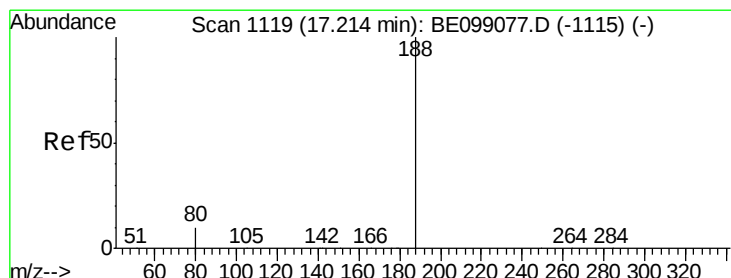
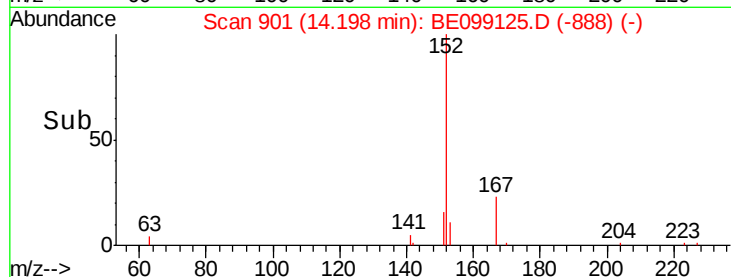
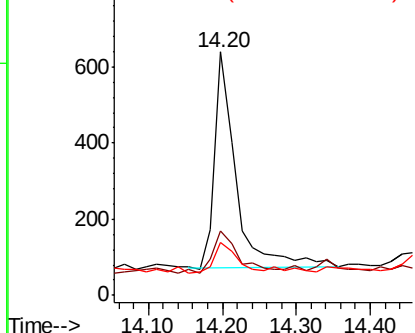
#16
Acenaphthylene
Concen: 0.023 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:152 Resp: 1141
Ion Ratio Lower Upper
152 100
151 23.8 17.0 25.6
153 14.0 11.2 16.8

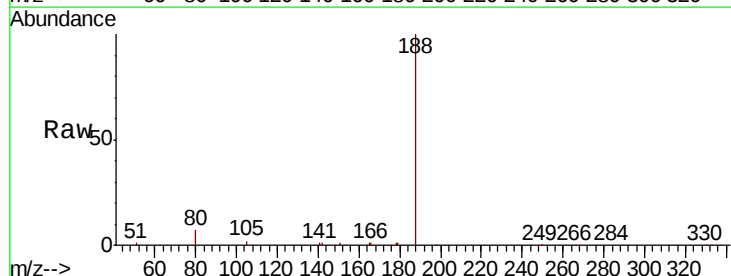


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

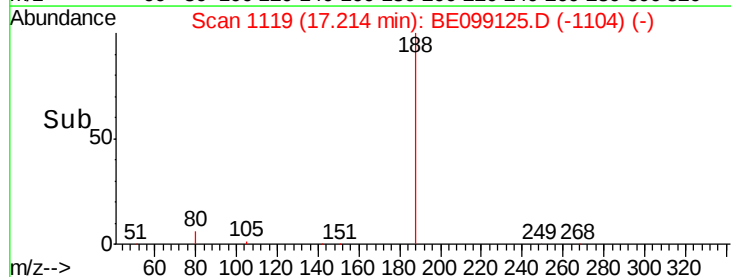
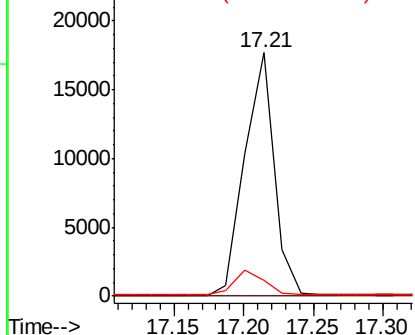


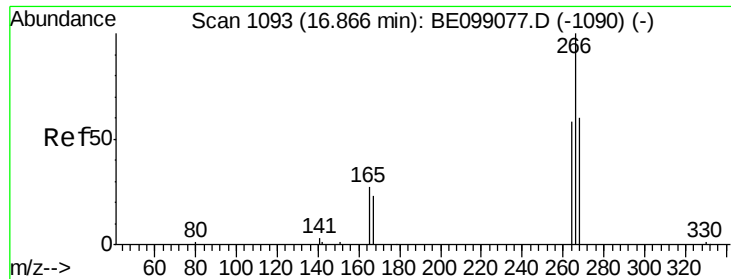
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Tgt Ion:188 Resp: 25861
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.7 6.3 9.5



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

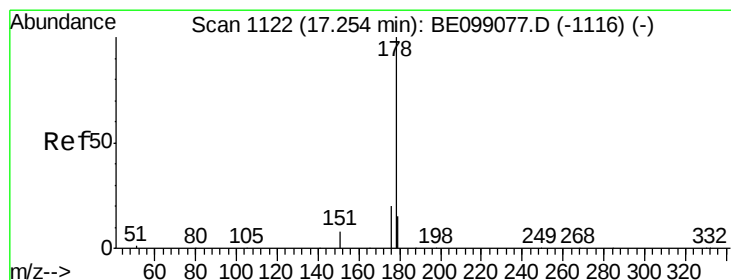
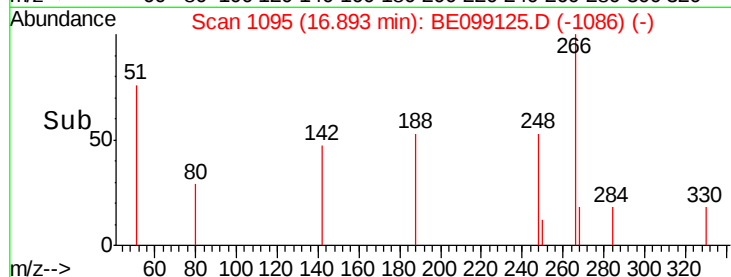
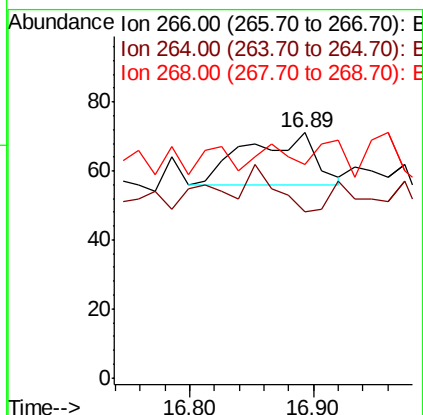
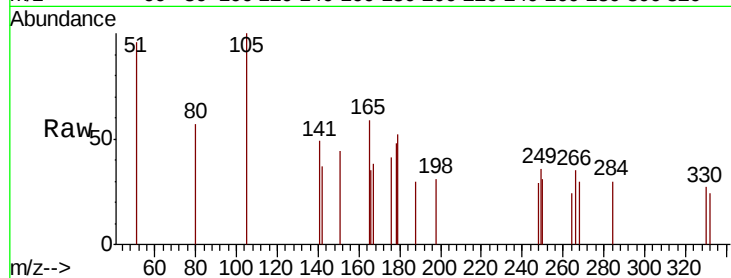




#22
Pentachlorophenol
Concen: 0.262 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.03 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

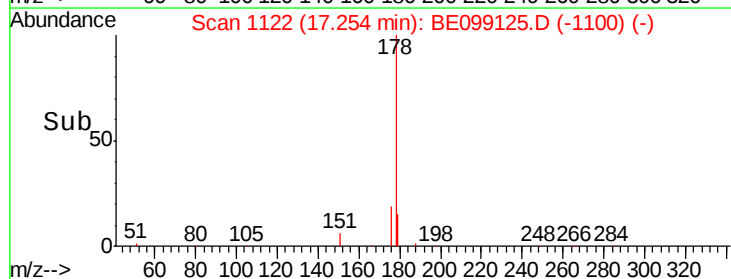
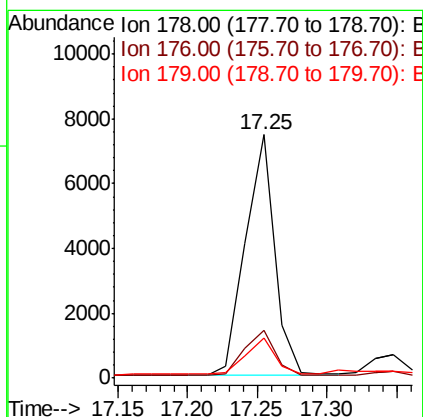
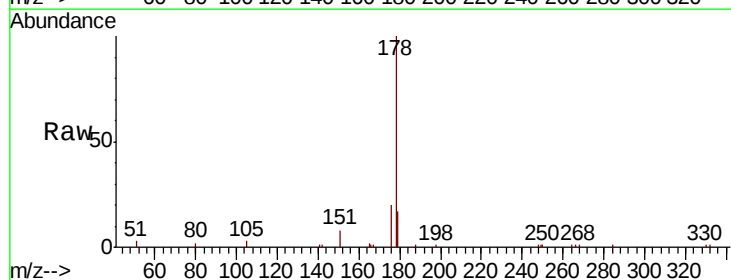
Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

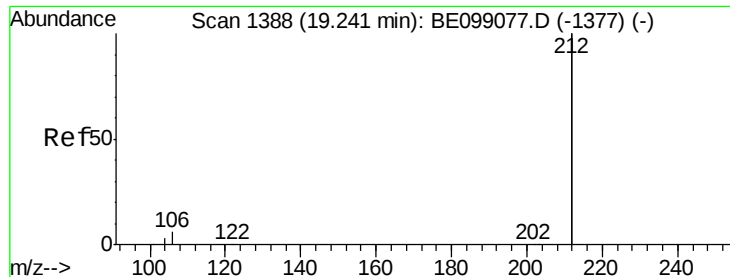
Tgt Ion: 266 Resp: 58
Ion Ratio Lower Upper
266 100
264 67.6 66.6 100.0
268 87.3 69.8 104.8



#23
Phenanthrene
Concen: 0.142 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099125.D
Acq: 23 Mar 2019 00:01

Tgt Ion: 178 Resp: 10868
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.5 12.1 18.1





#25

Fluoranthene-d10

Concen: 0.395 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

ClientSampleId :

PST-026-SW045-031919

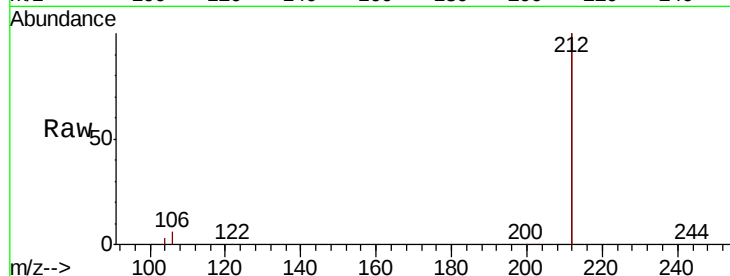
Tgt Ion:212 Resp: 136108

Ion Ratio Lower Upper

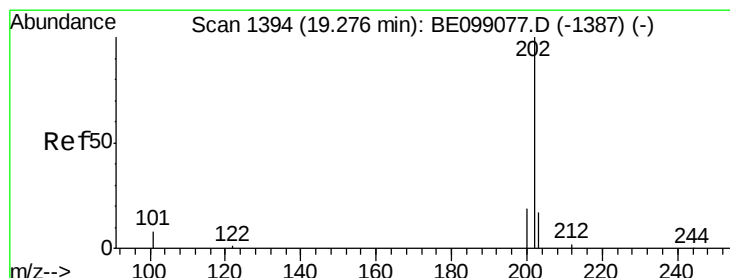
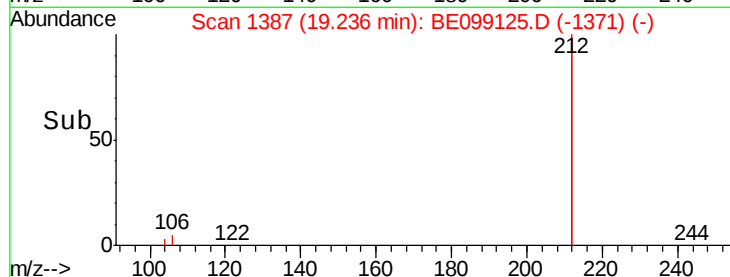
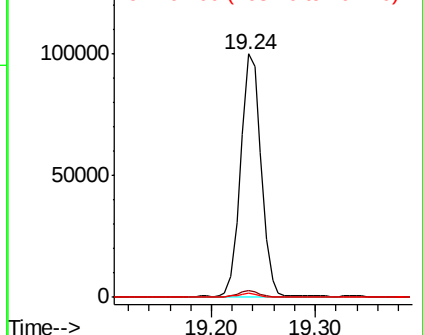
212 100

106 2.6 1.8 2.8

104 1.4 1.0 1.6



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: 0.198 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

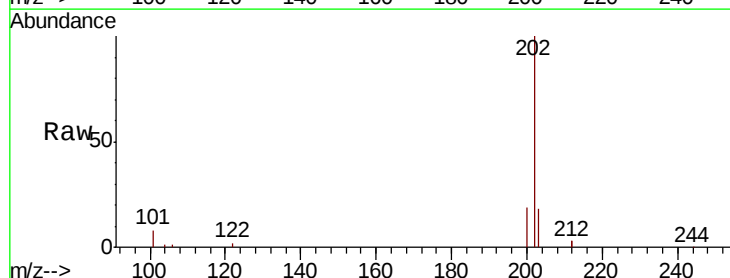
Tgt Ion:202 Resp: 21386

Ion Ratio Lower Upper

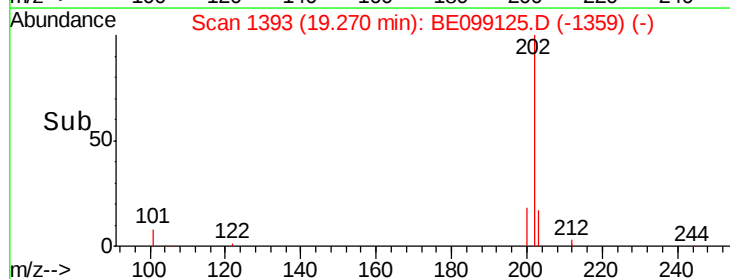
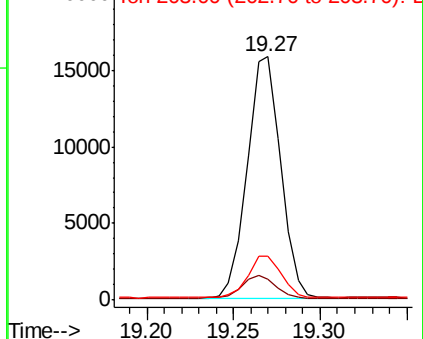
202 100

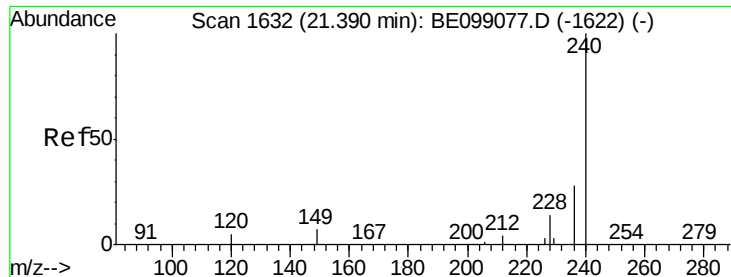
101 9.5 7.3 10.9

203 17.0 13.4 20.2



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: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

ClientSampleId :

PST-026-SW045-031919

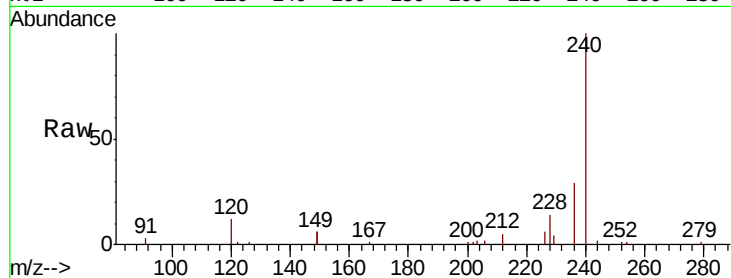
Tgt Ion:240 Resp: 37425

Ion Ratio Lower Upper

240 100

120 11.5 5.0 7.4#

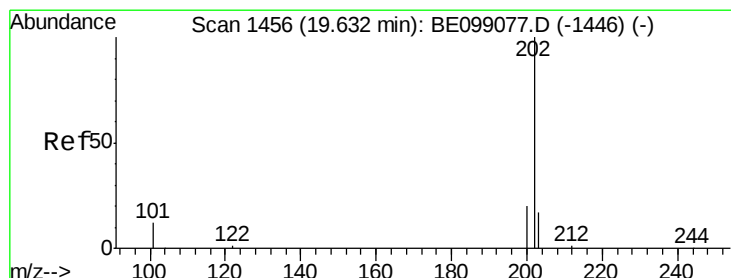
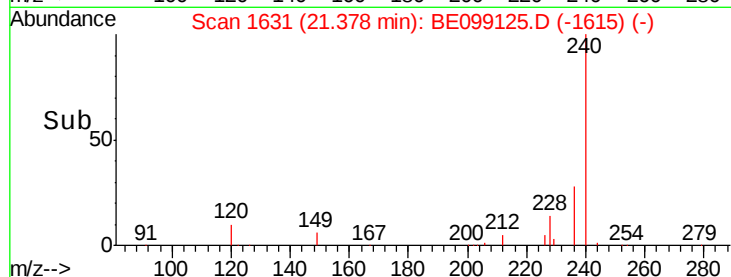
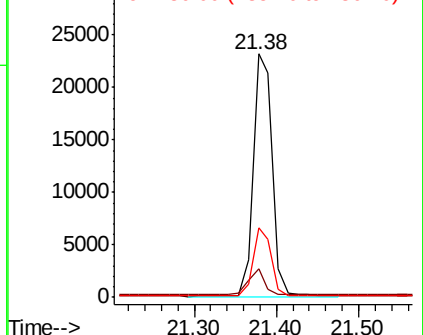
236 28.7 22.7 34.1



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: 0.184 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

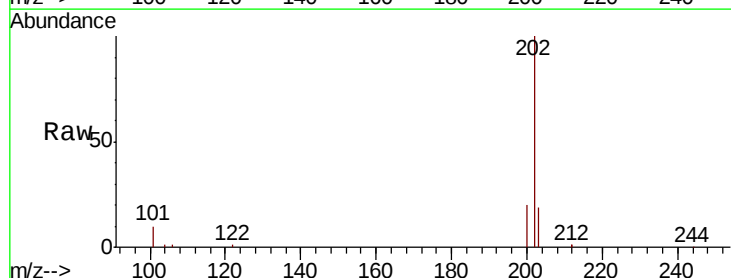
Tgt Ion:202 Resp: 23414

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.6

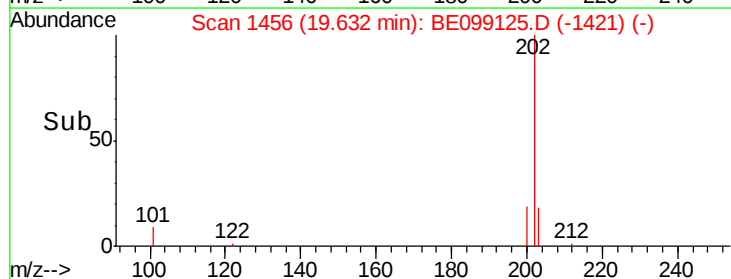
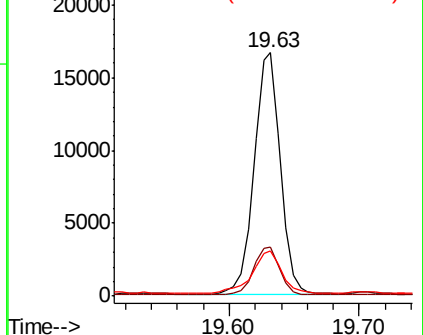
203 20.3 14.2 21.2

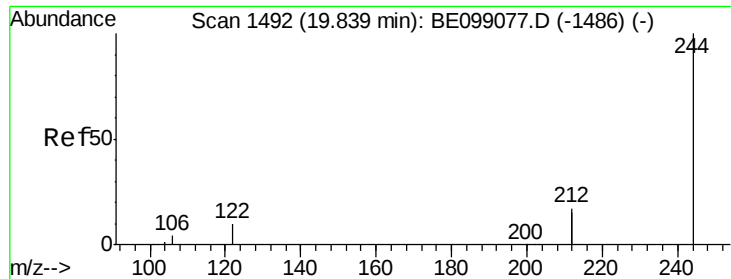


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.330 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

ClientSampleId :

PST-026-SW045-031919

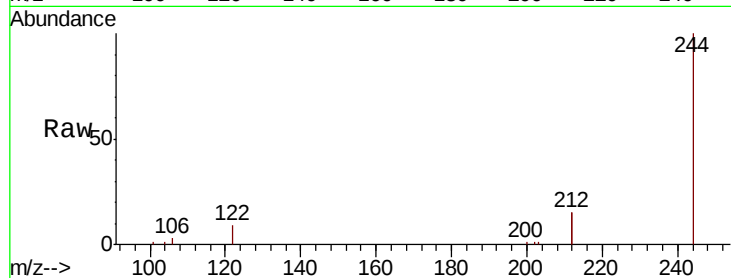
Tgt Ion:244 Resp: 26162

Ion Ratio Lower Upper

244 100

212 29.8 29.4 44.2

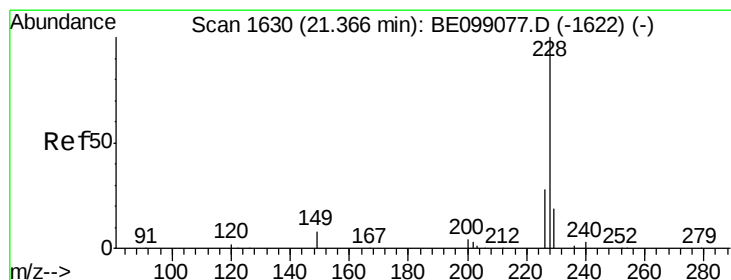
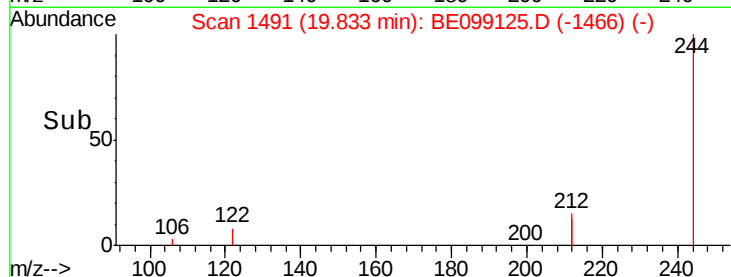
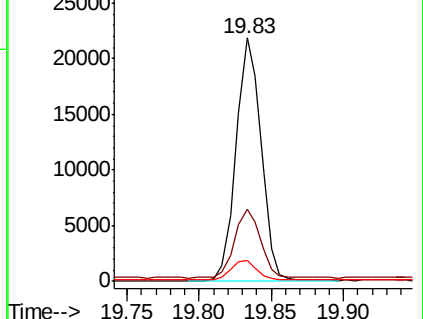
122 8.7 7.1 10.7



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: 0.094 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

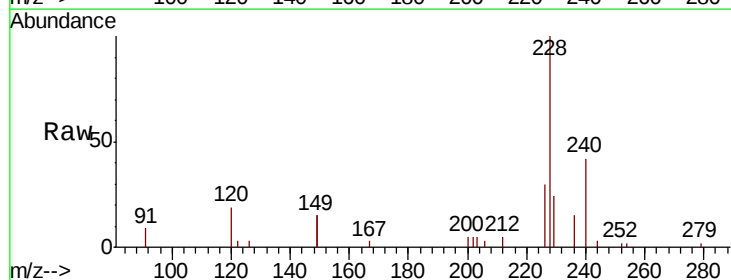
Tgt Ion:228 Resp: 12352

Ion Ratio Lower Upper

228 100

226 30.1 23.0 34.4

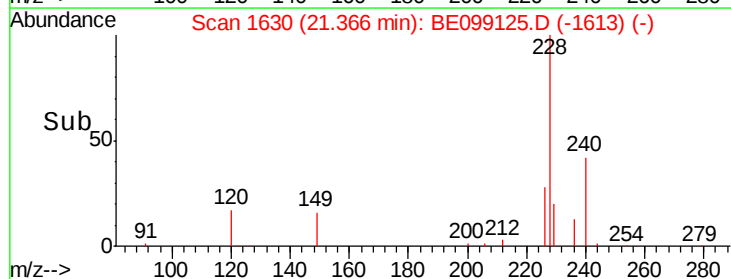
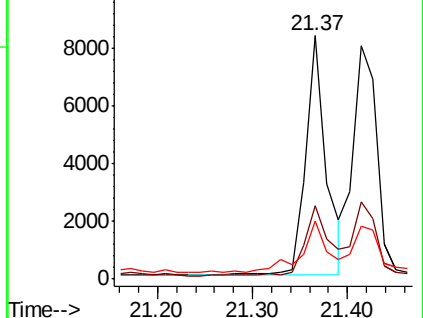
229 23.8 16.5 24.7

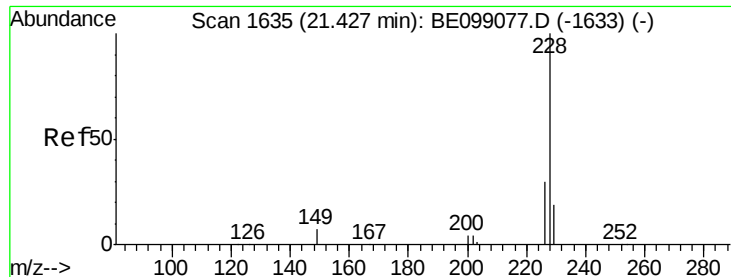


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.102 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

ClientSampleId :

PST-026-SW045-031919

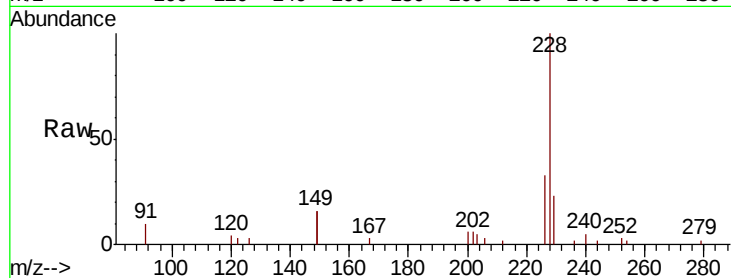
Tgt Ion:228 Resp: 13491

Ion Ratio Lower Upper

228 100

226 33.0 23.7 35.5

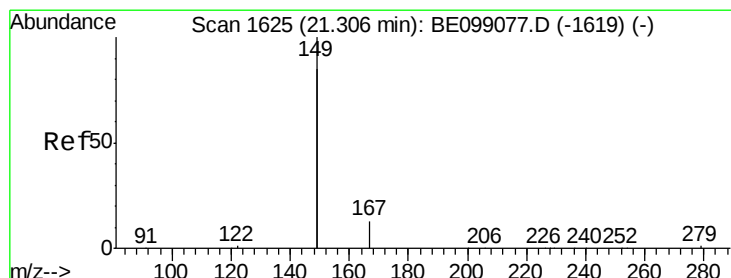
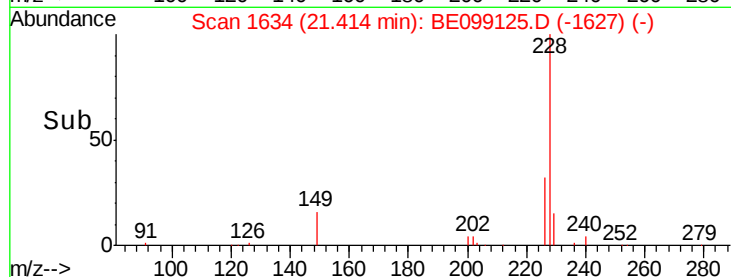
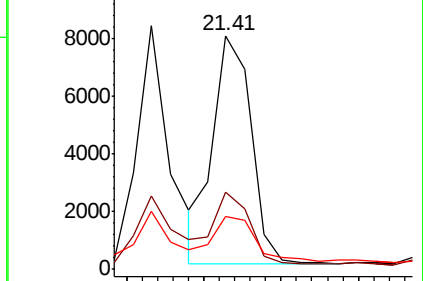
229 22.9 16.1 24.1



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: 0.159 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

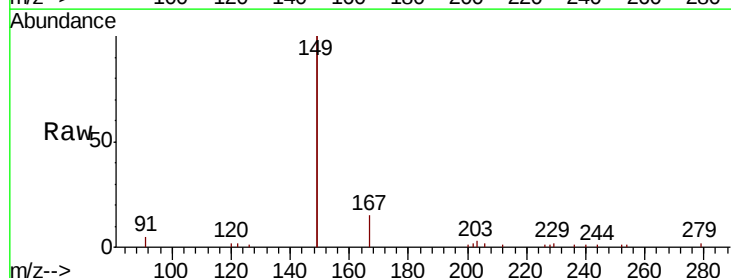
Tgt Ion:149 Resp: 27248

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

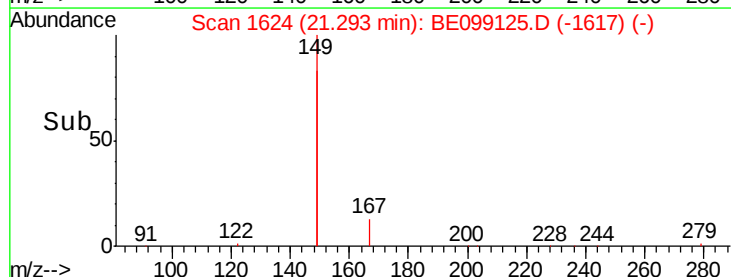
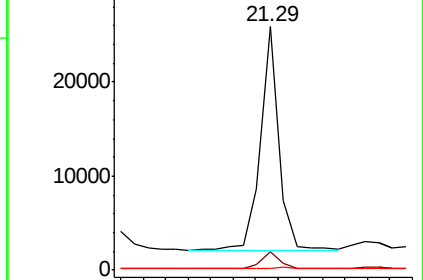
279 1.2 1.0 1.4

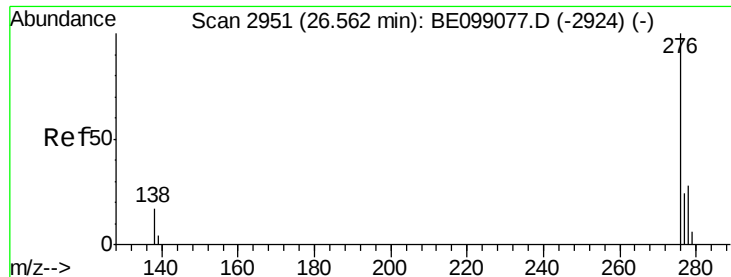


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.055 ng

RT: 26.54 min Scan# 2946

Delta R.T. -0.02 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

ClientSampleId :

PST-026-SW045-031919

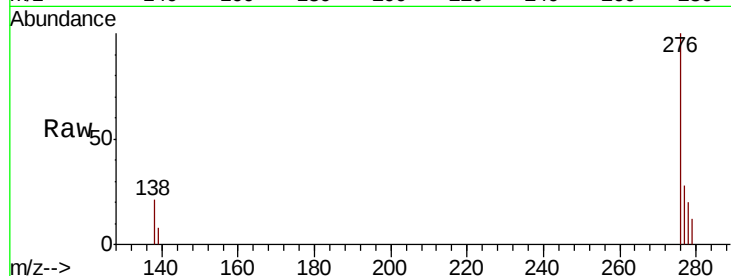
Tgt Ion: 276 Resp: 7814

Ion Ratio Lower Upper

276 100

138 15.6 13.8 20.8

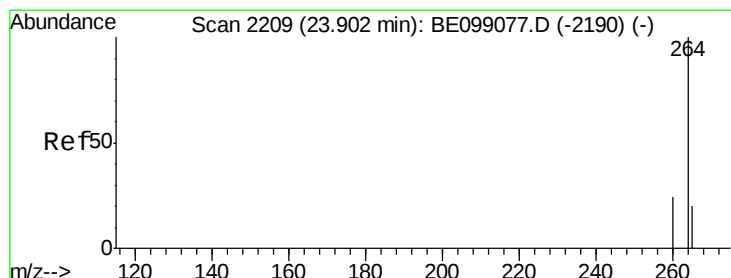
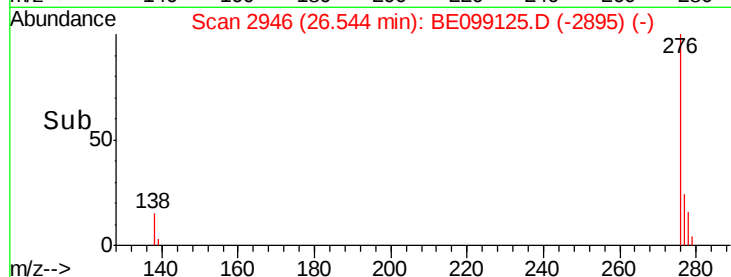
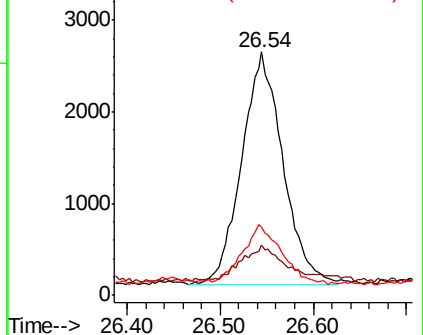
277 24.1 19.5 29.3



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# 2206

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

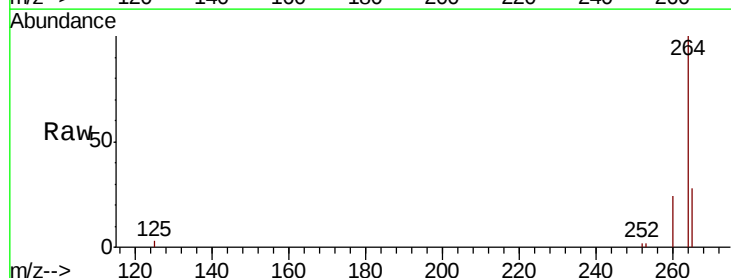
Tgt Ion: 264 Resp: 40890

Ion Ratio Lower Upper

264 100

260 23.7 21.2 31.8

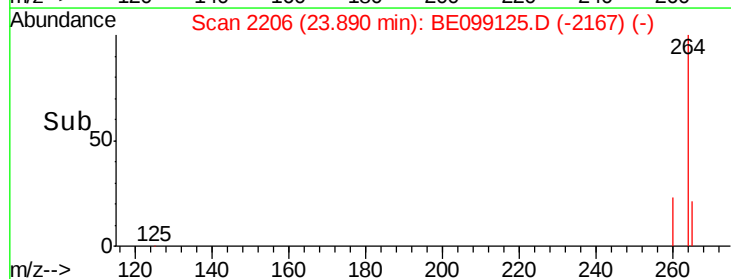
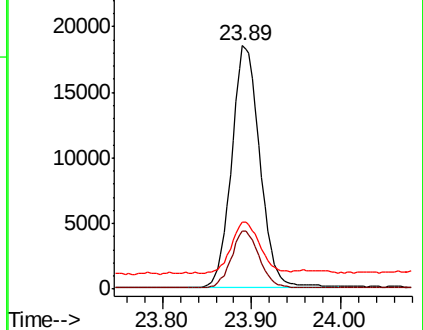
265 27.7 24.6 36.8

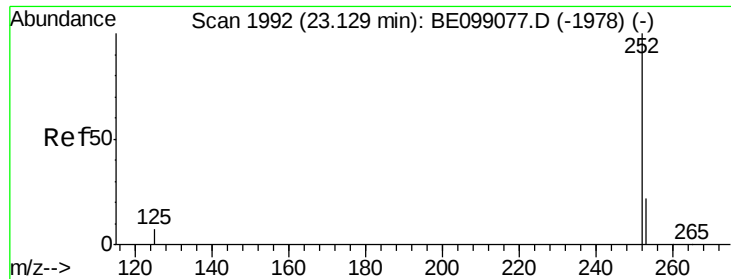


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.116 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

ClientSampleId :

PST-026-SW045-031919

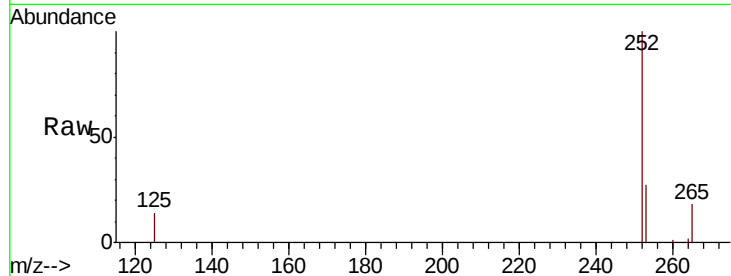
Tgt Ion:252 Resp: 16443

Ion Ratio Lower Upper

252 100

253 27.4 18.2 27.2#

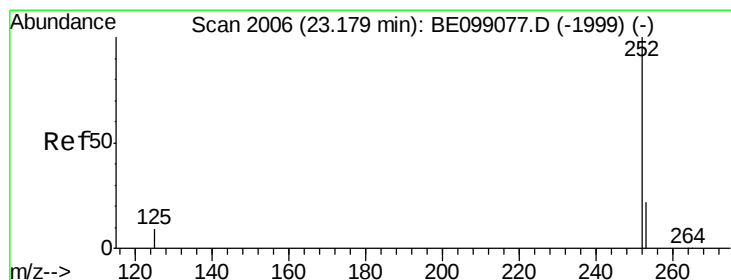
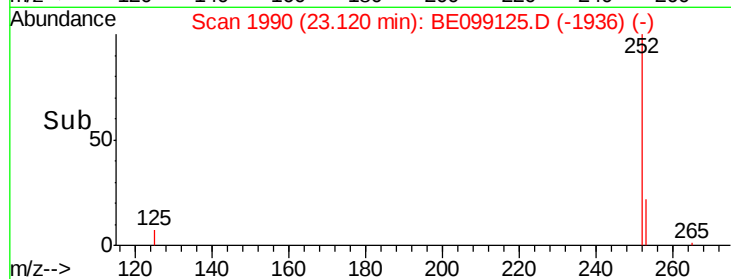
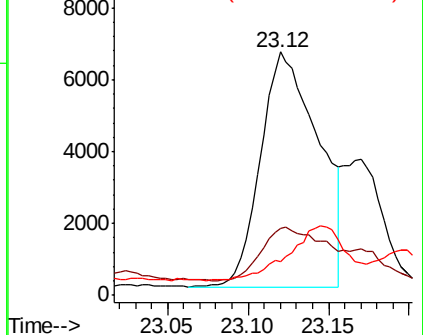
125 13.8 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.119 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.06 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

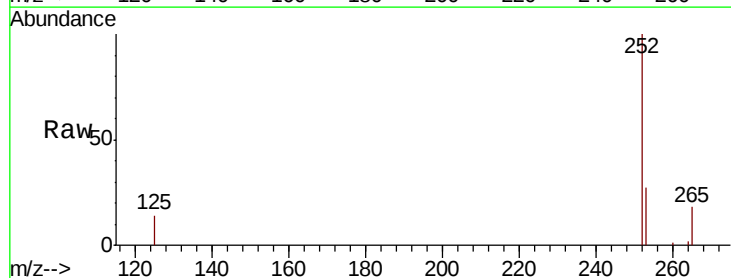
Tgt Ion:252 Resp: 16443

Ion Ratio Lower Upper

252 100

253 27.4 19.3 28.9

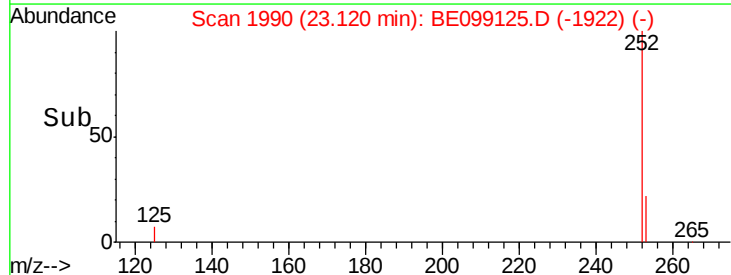
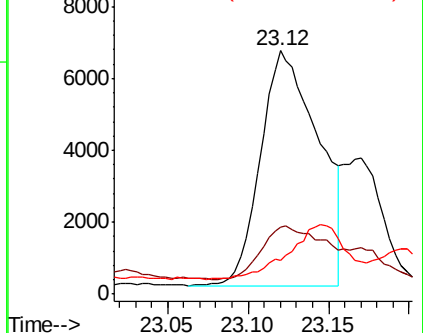
125 13.8 7.5 11.3#

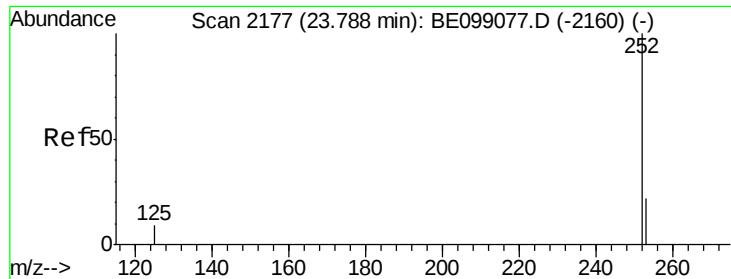


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.088 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

Instrument :

BNA_E

ClientSampleId :

PST-026-SW045-031919

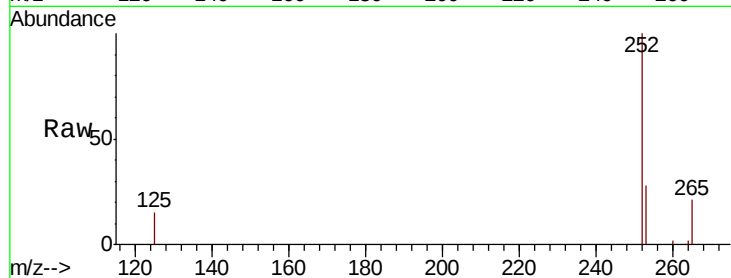
Tgt Ion:252 Resp: 11463

Ion Ratio Lower Upper

252 100

253 27.8 19.9 29.9

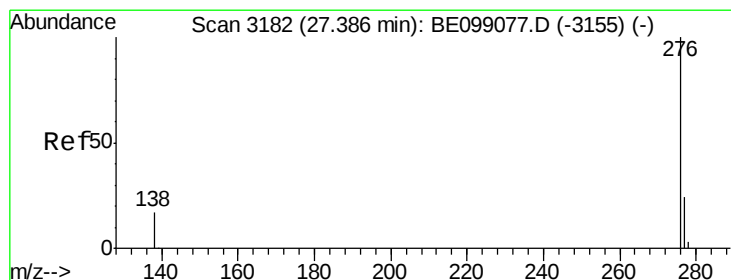
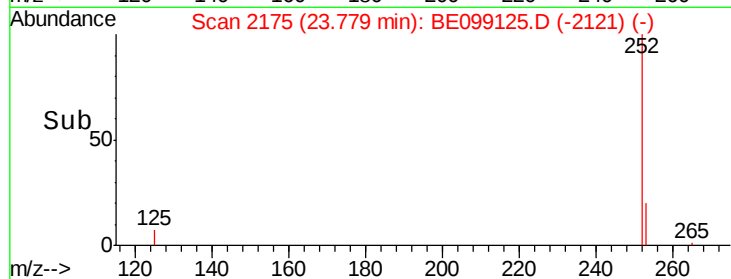
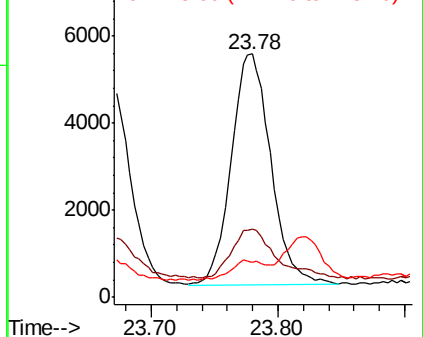
125 14.6 9.0 13.4#



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



#39

Benzo(g,h,i)perylene

Concen: 0.064 ng

RT: 27.36 min Scan# 3176

Delta R.T. -0.02 min

Lab File: BE099125.D

Acq: 23 Mar 2019 00:01

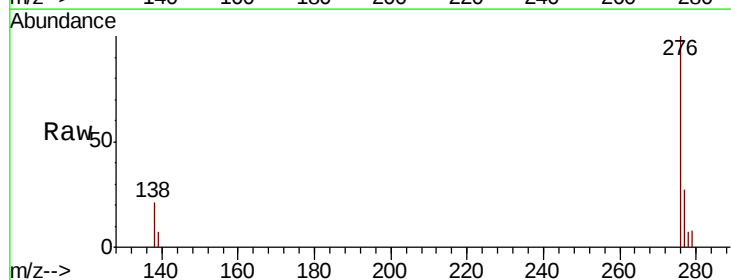
Tgt Ion:276 Resp: 8386

Ion Ratio Lower Upper

276 100

277 27.5 20.4 30.6

138 20.8 13.6 20.4#



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

