

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
 Data File : BE099467.D
 Acq On : 1 May 2019 17:09
 Operator : JU/SJ
 Sample : K2588-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B192-042519

Quant Time: May 02 04:14:24 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	1977	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7505	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6031	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	20077	0.40	ng	0.00
27) Chrysene-d12	21.37	240	24633	0.40	ng	0.00
34) Perylene-d12	23.86	264	28169	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2231	0.41	ng	0.00
5) Phenol-d6	6.97	99	3342	0.46	ng	0.00
8) Nitrobenzene-d5	8.96	82	2703	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5142	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1676	0.44	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	7774	0.34	ng	-0.01
25) Fluoranthene-d10	19.22	212	94191	0.35	ng	0.00
29) Terphenyl-d14	19.81	244	19013	0.42	ng	0.00

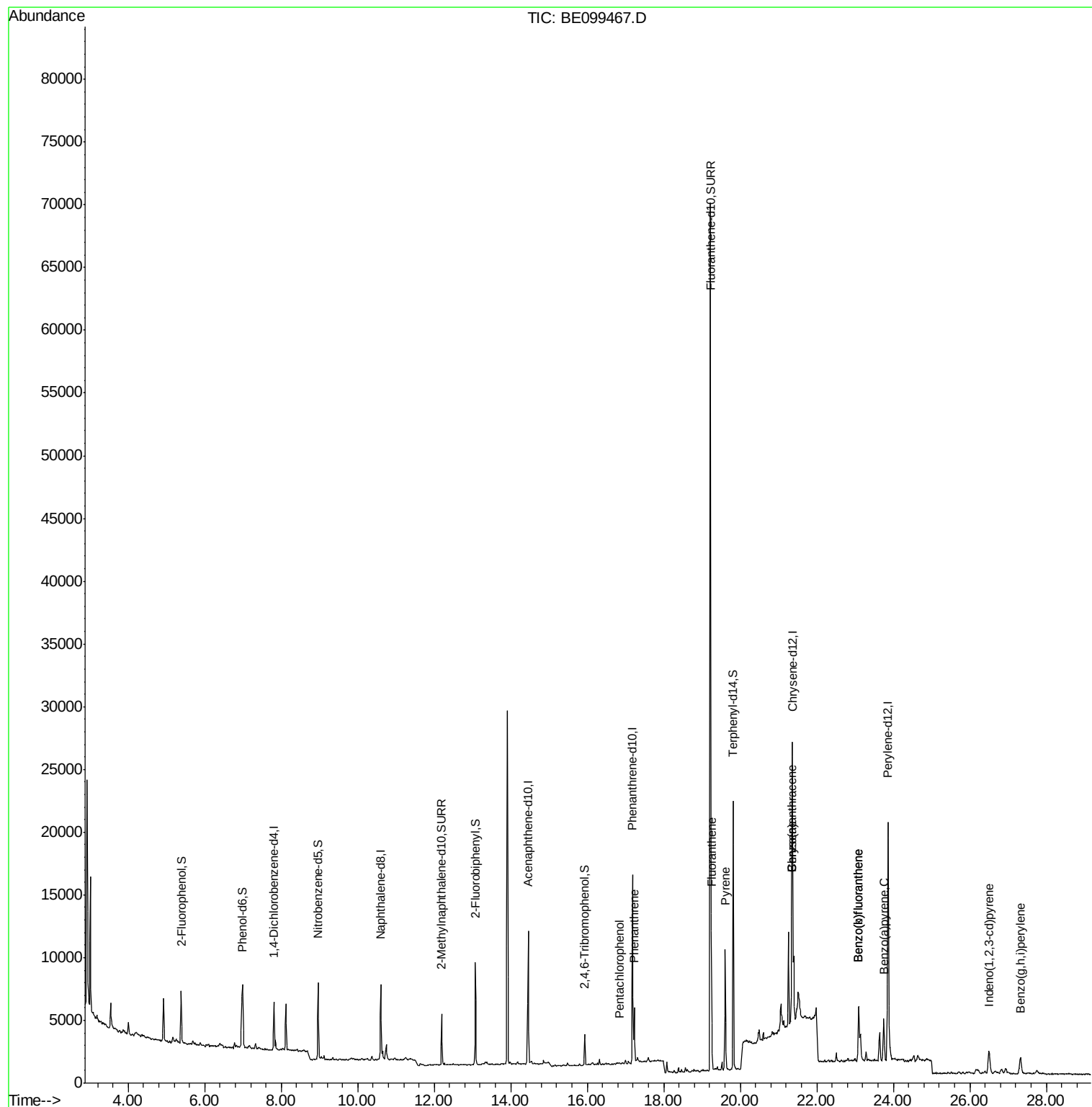
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	16.84	266	31	0.221	ng	# 57
23) Phenanthrene	17.23	178	4159	0.080	ng	97
26) Fluoranthene	19.25	202	9148	0.118	ng	98
28) Pyrene	19.61	202	9027	0.141	ng	# 95
30) Benzo(a)anthracene	21.34	228	5488	0.070	ng	94
31) Chrysene	21.34	228	3010	0.039	ng	97
33) Indeno(1,2,3-cd)pyrene	26.50	276	3653	0.040	ng	# 93
35) Benzo(b)fluoranthene	23.10	252	7515	0.093	ng	# 69
36) Benzo(k)fluoranthene	23.10	252	7515	0.096	ng	# 70
37) Benzo(a)pyrene	23.75	252	5108	0.067	ng	# 69
39) Benzo(a,h,i)perylene	27.33	276	3622	0.046	ng	# 85

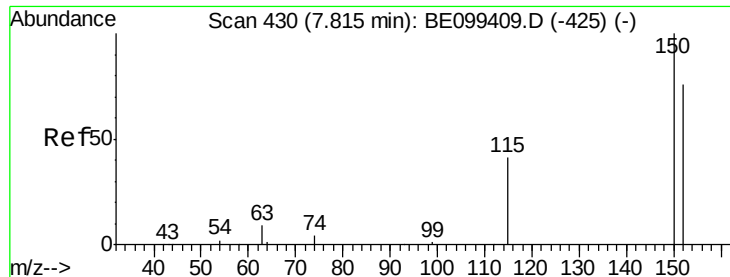
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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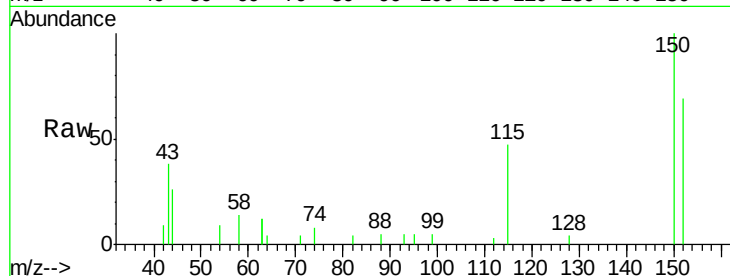


#1

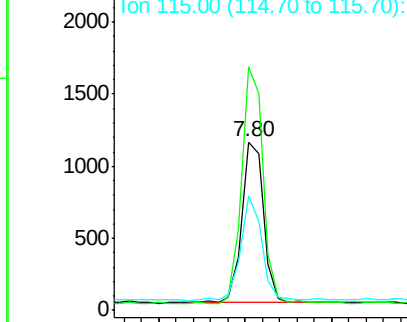
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099467.D
Acq: 1 May 2019 17:09

Instrument :
BNA_E
ClientSampleId :
PST-001-B192-042519

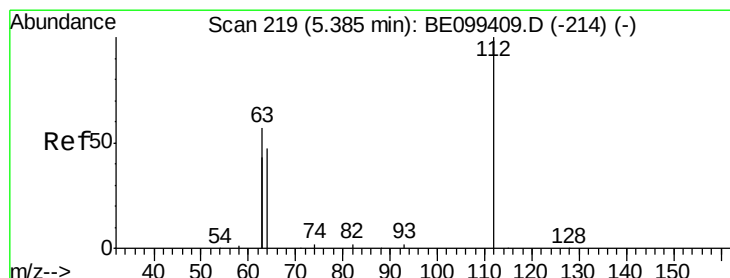
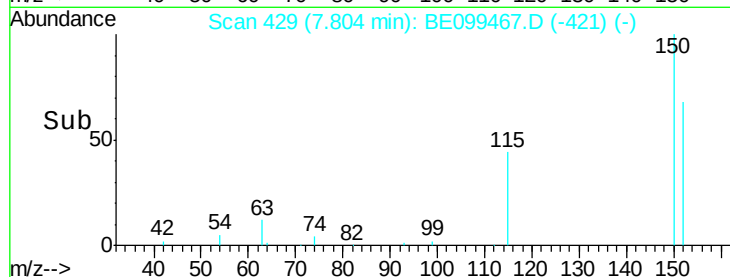
Tot Ion:152 Resp: 1977
Ion Ratio Lower Upper
152 100
150 144.3 104.8 157.2
115 67.6 46.6 69.8



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



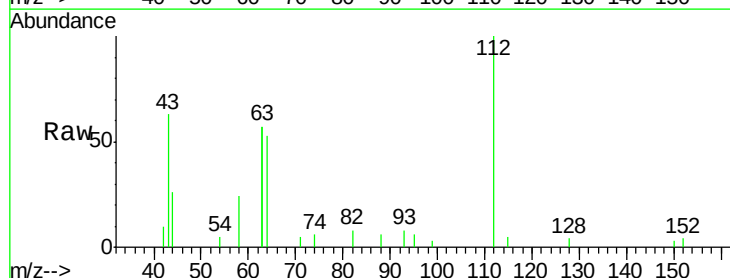
Time-->



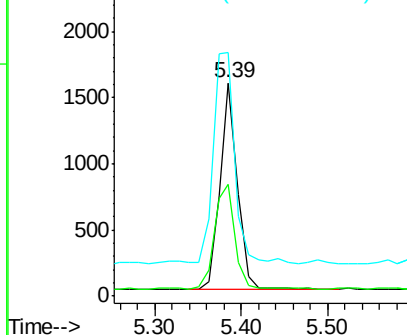
#4

2-Fluorophenol
Concen: 0.408 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099467.D
Acq: 1 May 2019 17:09

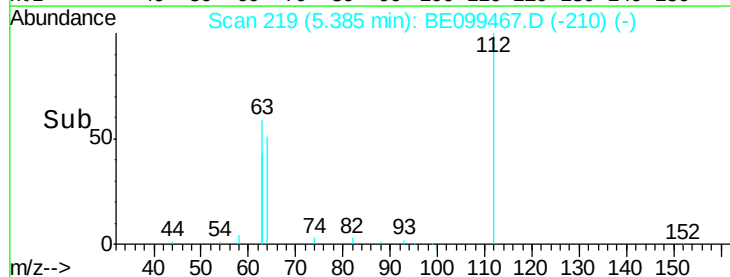
Tgt Ion:112 Resp: 2231
Ion Ratio Lower Upper
112 100
64 59.1 47.4 71.0
63 126.7 104.3 156.5

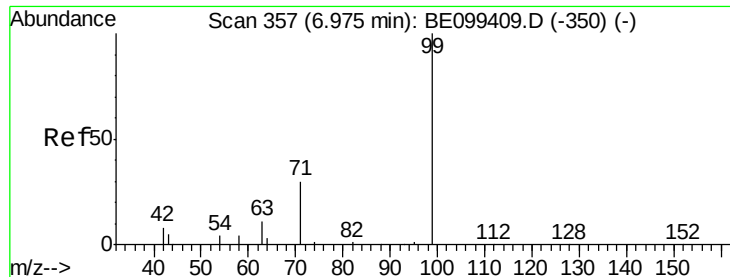


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.460 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

Instrument :

BNA_E

ClientSampleId :

PST-001-B192-042519

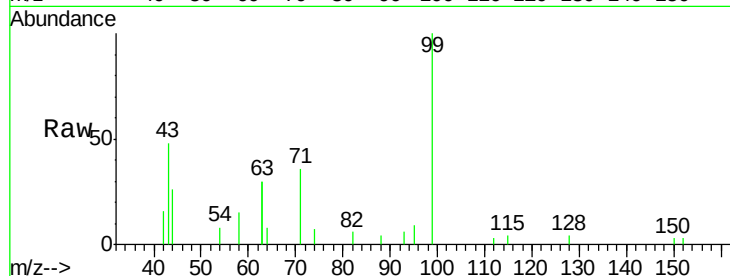
Tot Ion: 99 Resp: 3342

Ion Ratio Lower Upper

99 100

42 20.6 14.9 22.3

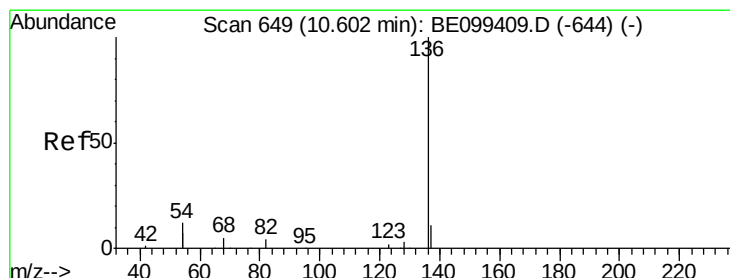
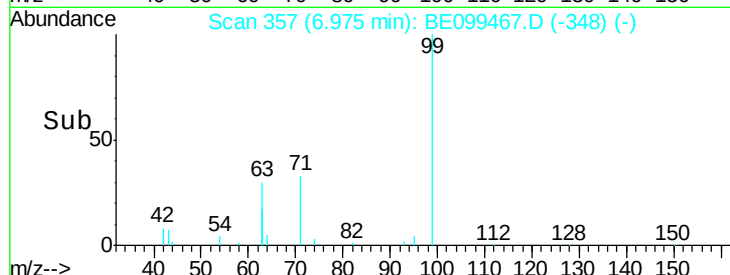
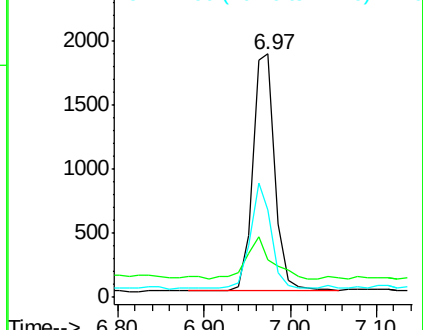
71 41.4 33.0 49.6



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: BE099467.D

Acq: 1 May 2019 17:09

Tgt Ion: 136 Resp: 7505

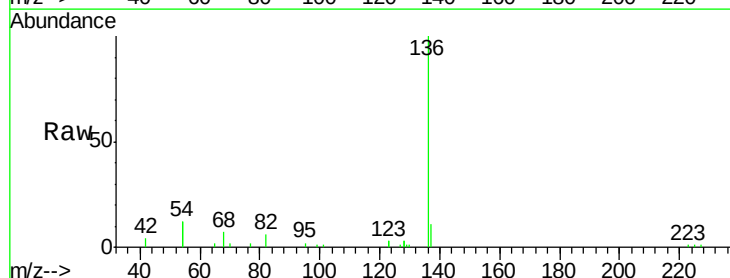
Ion Ratio Lower Upper

136 100

137 11.4 9.8 14.8

54 24.0 18.5 27.7

68 6.9 4.7 7.1

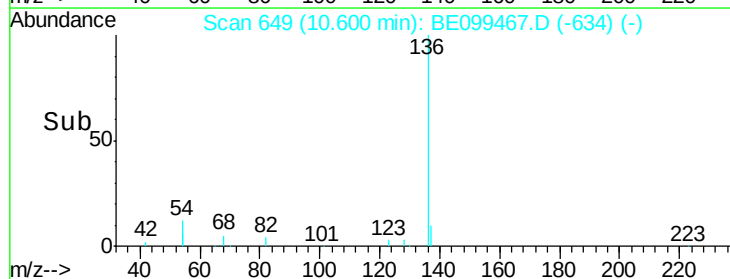
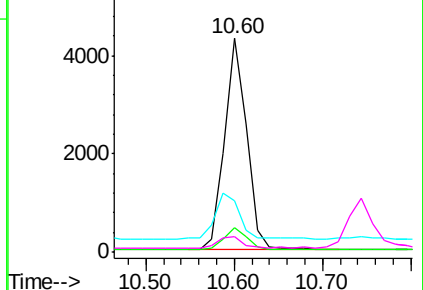


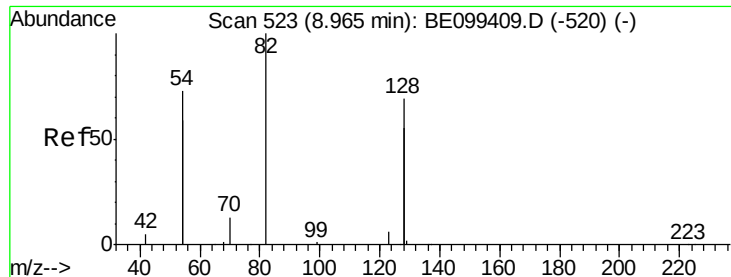
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.384 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

Instrument :

BNA_E

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PST-001-B192-042519

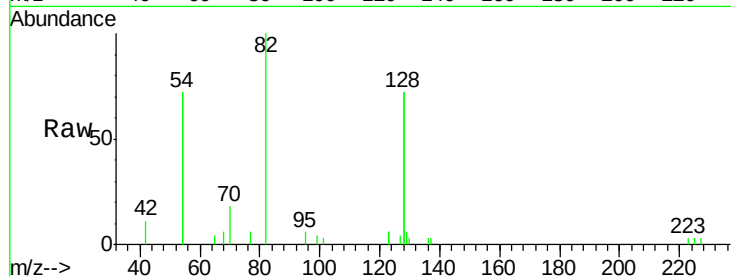
Tot Ion: 82 Resp: 2703

Ion Ratio Lower Upper

82 100

128 143.5 107.0 160.4

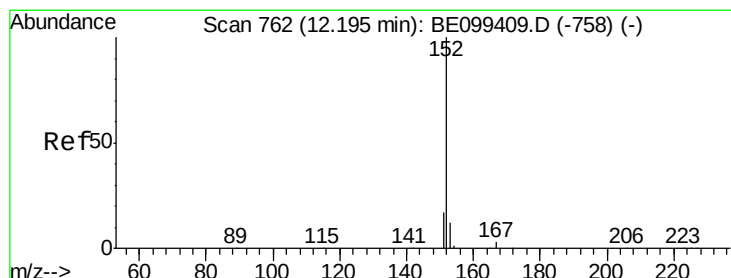
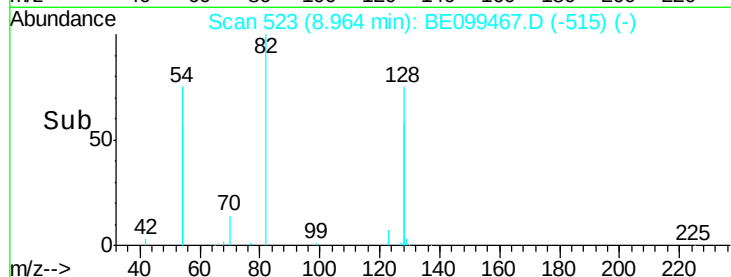
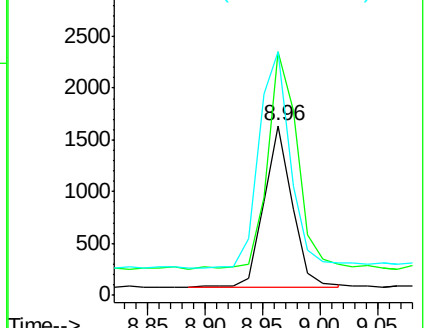
54 143.7 113.1 169.7



Abundance Ion 82.00 (81.70 to 82.70): BE099409.D (-520) (-)

Ion 128.00 (127.70 to 128.70): BE099409.D (-520) (-)

Ion 54.00 (53.70 to 54.70): BE099409.D (-520) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.380 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099467.D

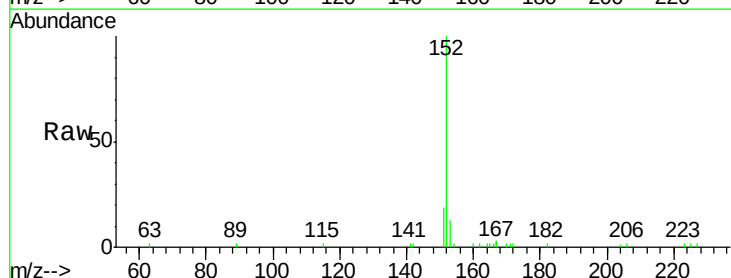
Acq: 1 May 2019 17:09

Tgt Ion: 152 Resp: 5142

Ion Ratio Lower Upper

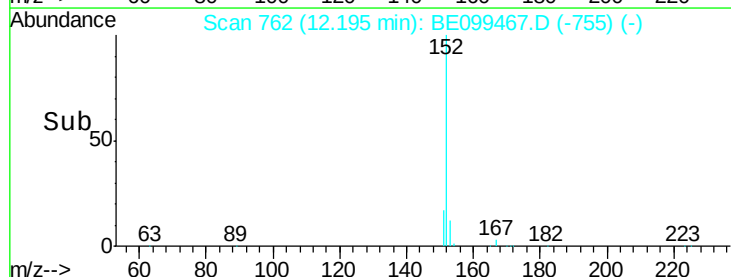
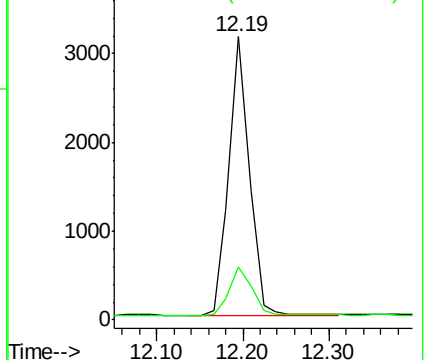
152 100

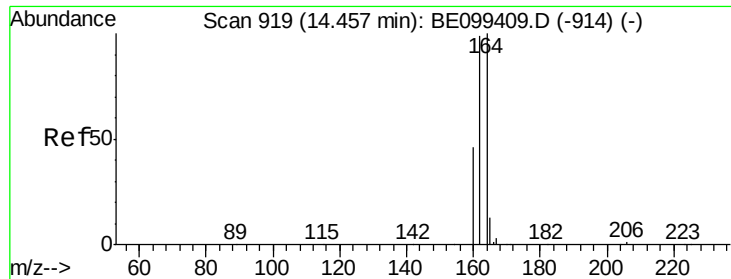
151 19.9 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BE099409.D (-758) (-)

Ion 151.00 (150.70 to 151.70): BE099409.D (-758) (-)

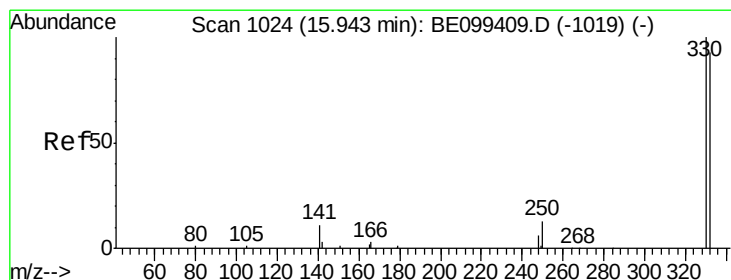
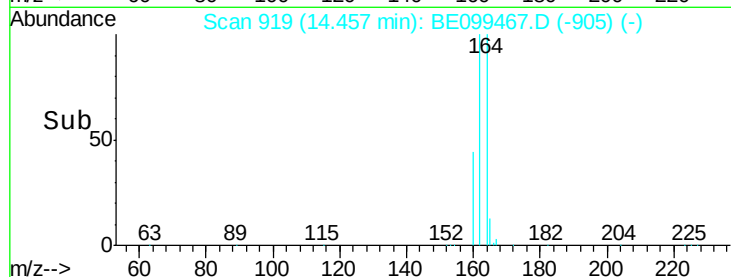
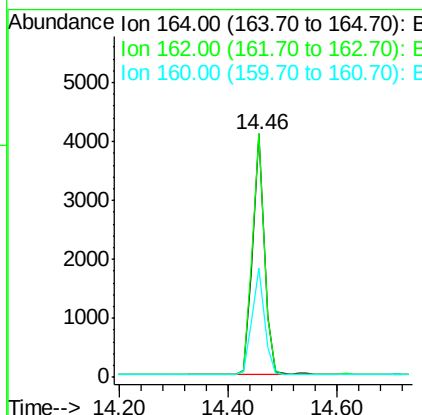
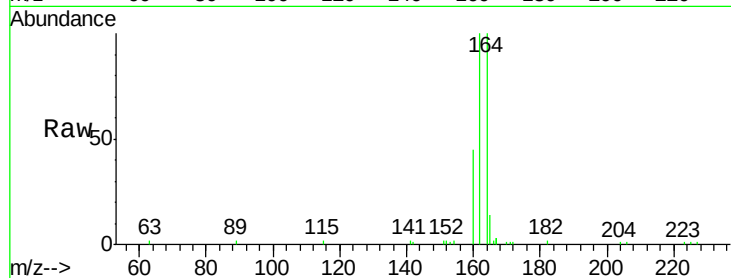




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099467.D
Acq: 1 May 2019 17:09

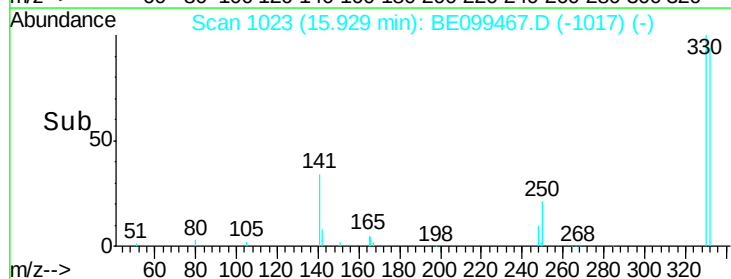
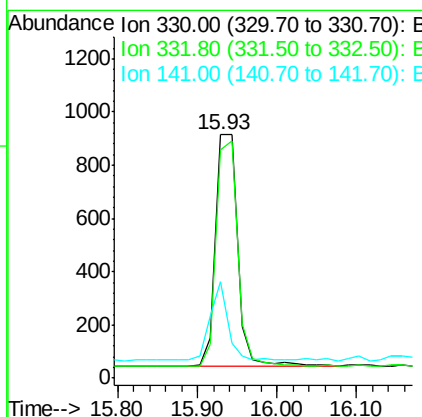
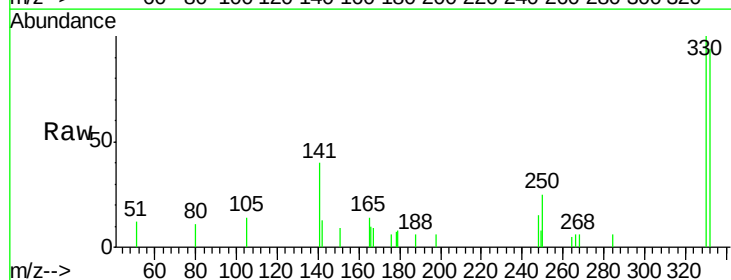
Instrument :
BNA_E
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PST-001-B192-042519

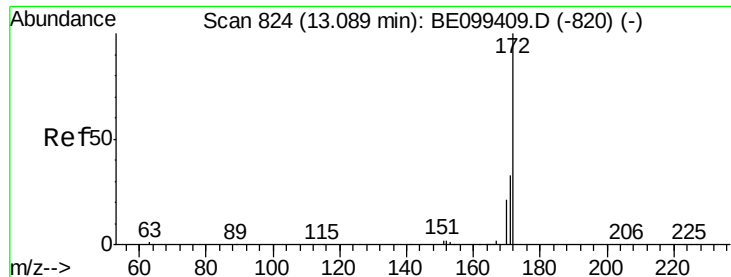
Tot Ion:164 Resp: 6031
Ion Ratio Lower Upper
164 100
162 99.9 79.0 118.4
160 44.9 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.441 ng
RT: 15.93 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BE099467.D
Acq: 1 May 2019 17:09

Tgt Ion:330 Resp: 1676
Ion Ratio Lower Upper
330 100
332 94.7 71.5 107.3
141 27.4 24.0 36.0

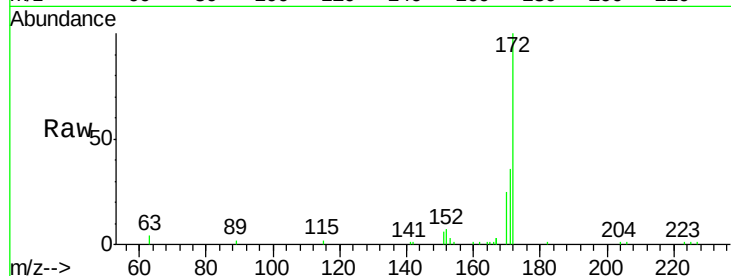




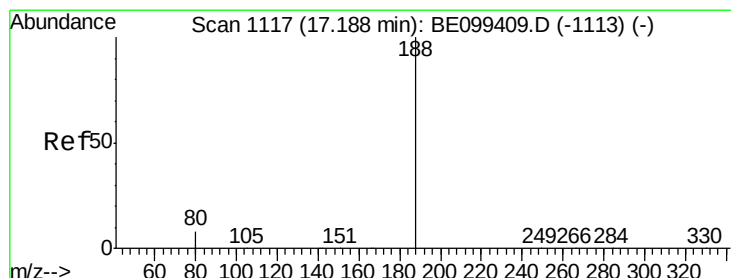
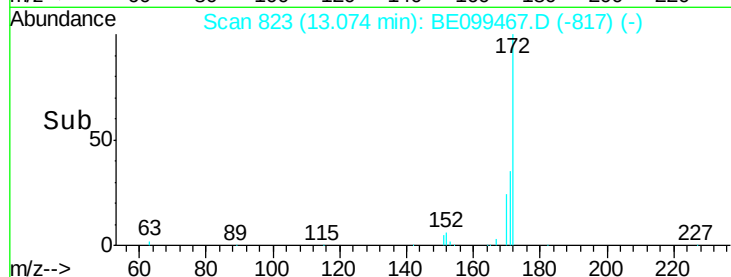
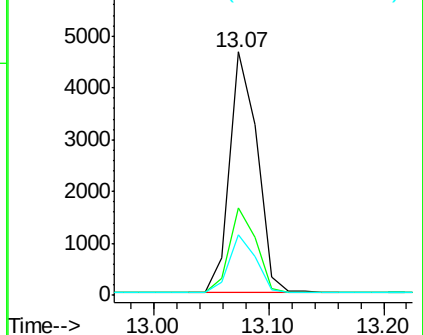
#15
2-Fluorobiphenyl
Concen: 0.338 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099467.D
Acq: 1 May 2019 17:09

Instrument :
BNA_E
ClientSampleId :
PST-001-B192-042519

Tot Ion:172 Resp: 7774
Ion Ratio Lower Upper
172 100
171 35.9 26.6 39.8
170 24.9 17.0 25.6

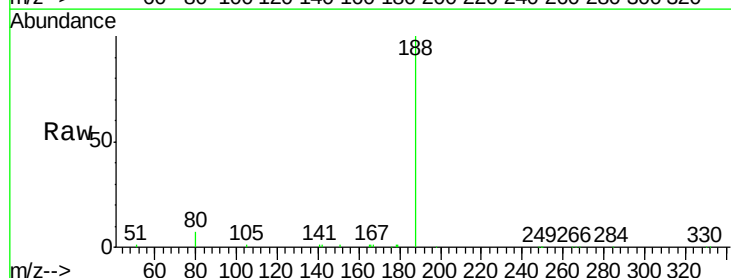


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

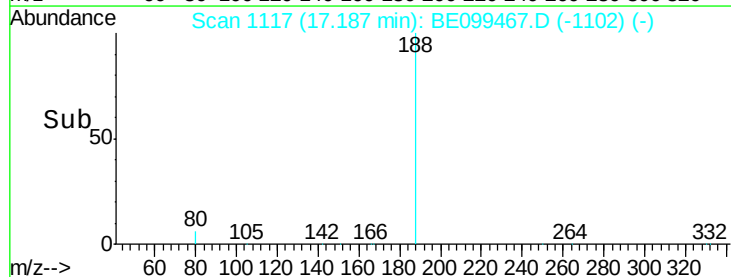
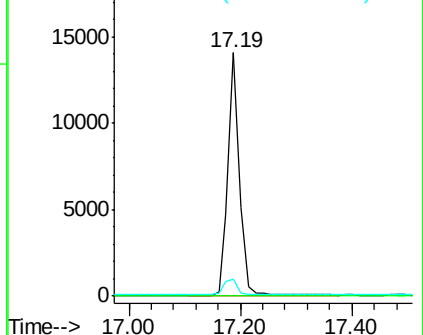


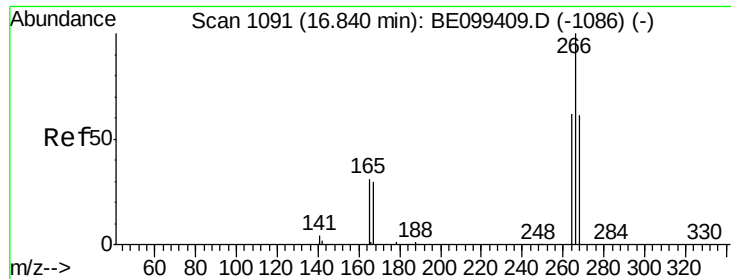
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099467.D
Acq: 1 May 2019 17:09

Tgt Ion:188 Resp: 20077
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.8 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: 0.221 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

Instrument :

BNA_E

ClientSampleId :

PST-001-B192-042519

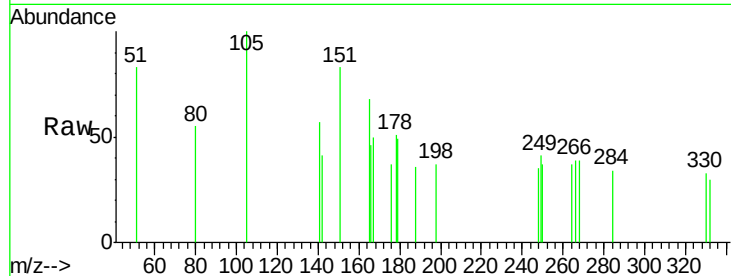
Tot Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

264 94.7 50.8 76.2#

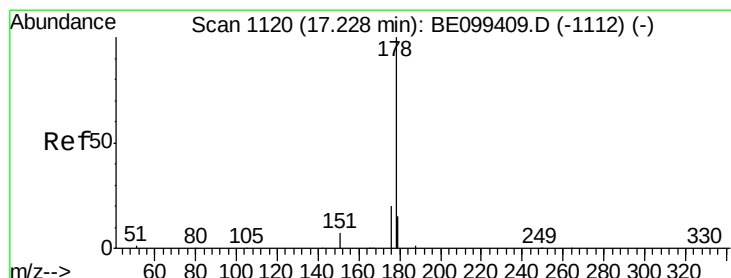
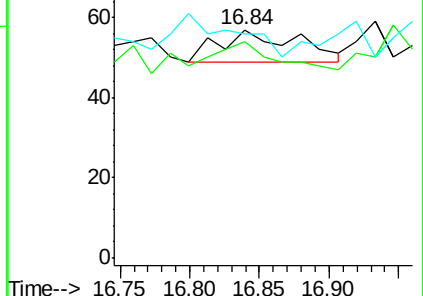
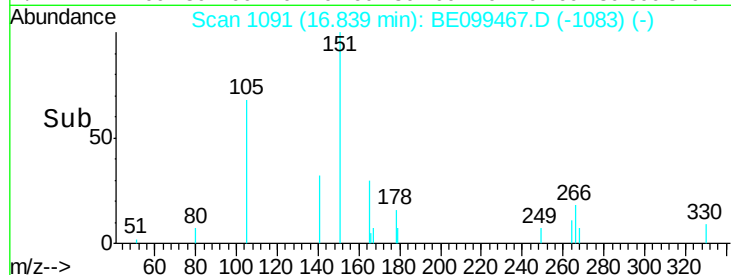
268 98.2 50.5 75.7#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#23

Phenanthrene

Concen: 0.080 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

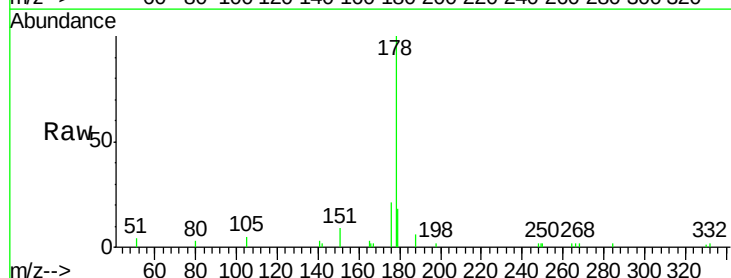
Tgt Ion:178 Resp: 4159

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

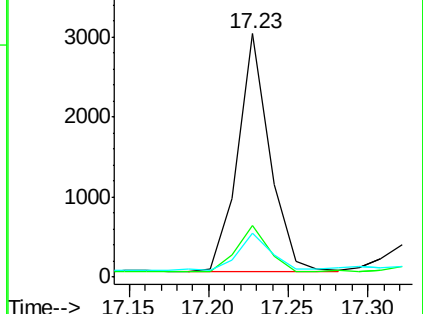
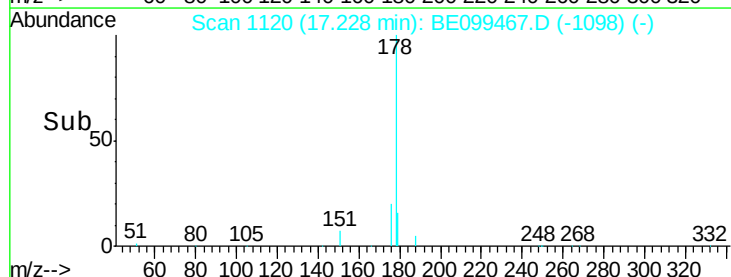
179 17.7 12.0 18.0

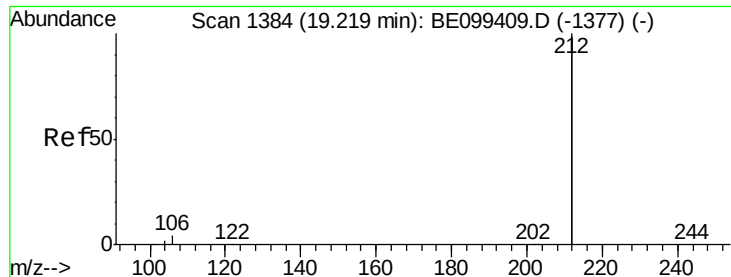


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.348 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

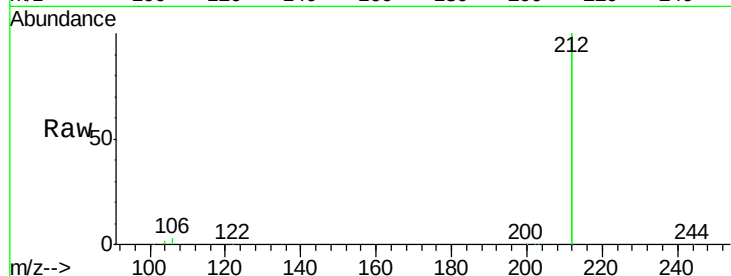
Instrument :

BNA_E

ClientSampleId :

PST-001-B192-042519

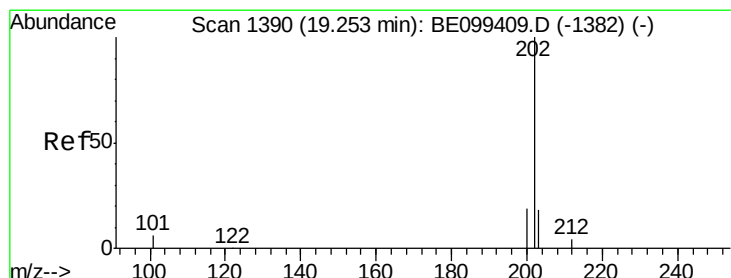
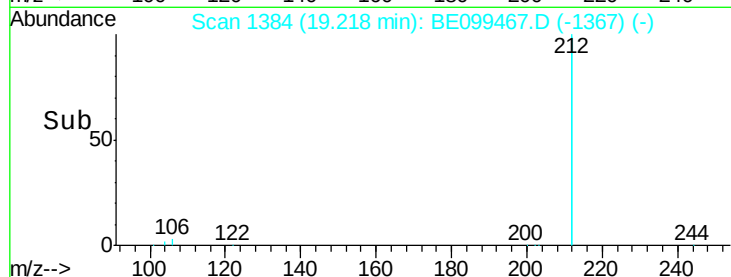
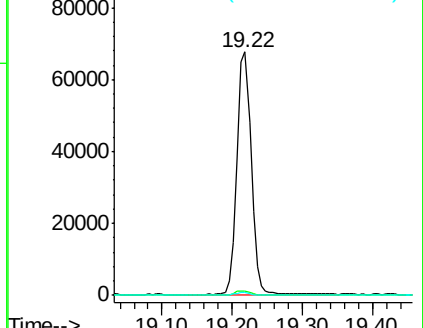
Tot Ion:212	Resp:	94191
Ion Ratio	Lower	Upper
212	100	
106	1.9	1.5 2.3
104	1.1	0.9 1.3



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: 0.118 ng

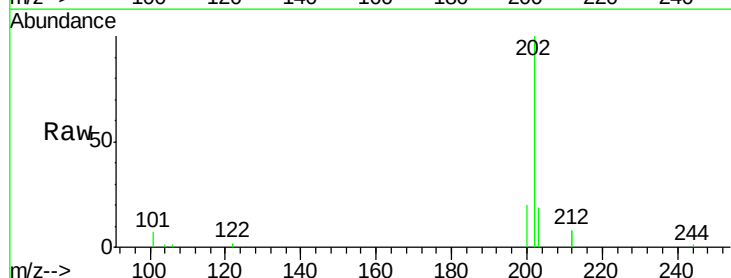
RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

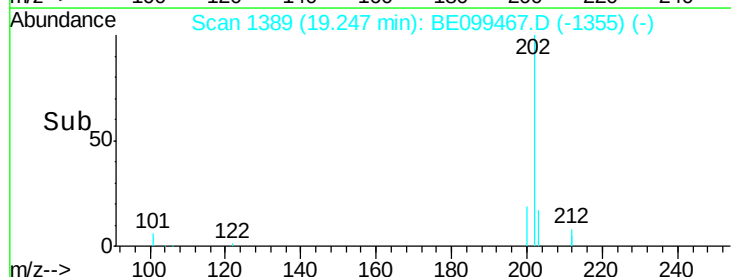
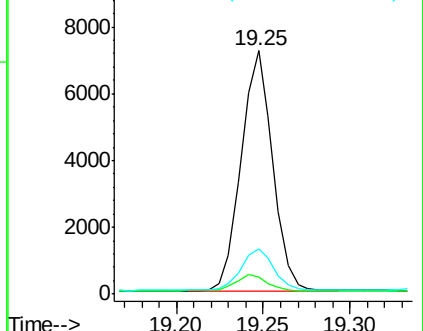
Tgt Ion:202	Resp:	9148
Ion Ratio	Lower	Upper
202	100	
101	7.2	5.4 8.0
203	18.1	13.9 20.9

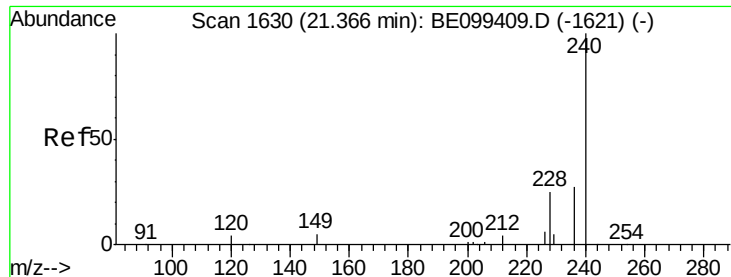


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

Instrument :

BNA_E

ClientSampleId :

PST-001-B192-042519

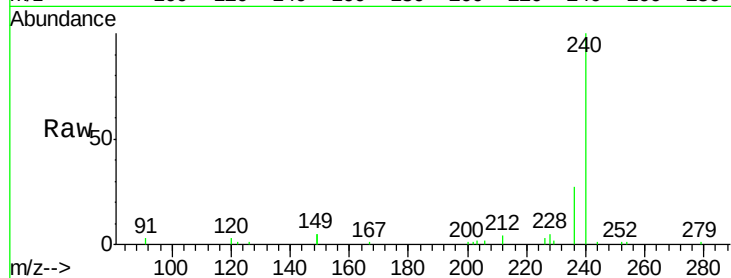
Tot Ion:240 Resp: 24633

Ion Ratio Lower Upper

240 100

120 3.2 4.0 6.0#

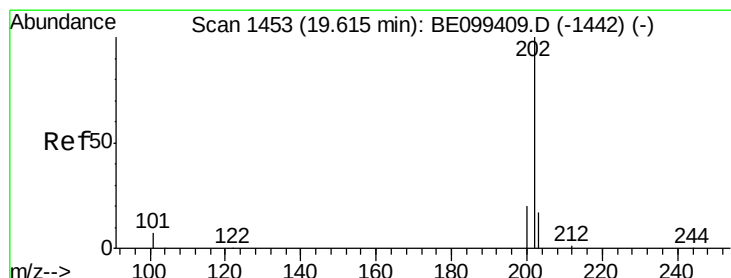
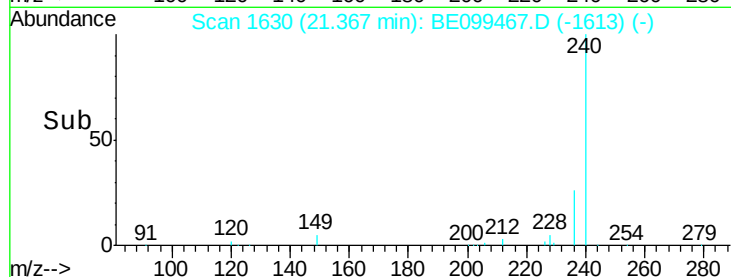
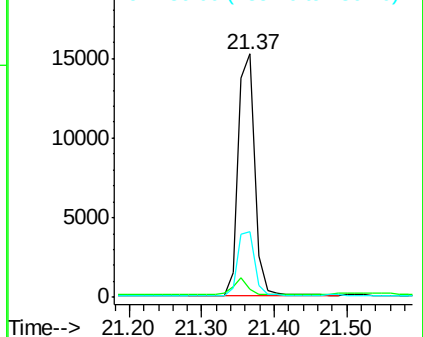
236 27.0 22.0 33.0



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: 0.141 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

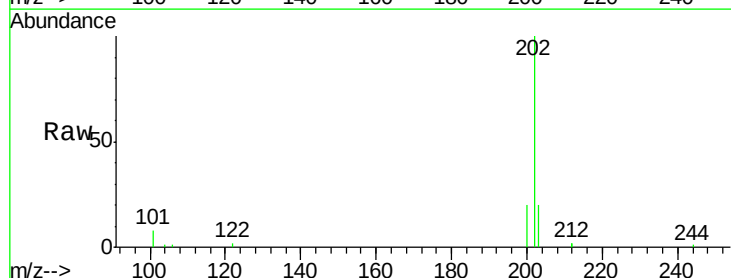
Tgt Ion:202 Resp: 9027

Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

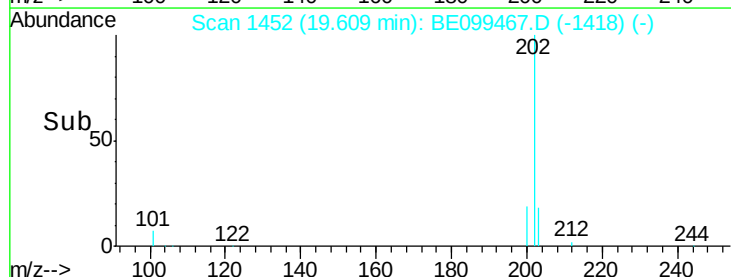
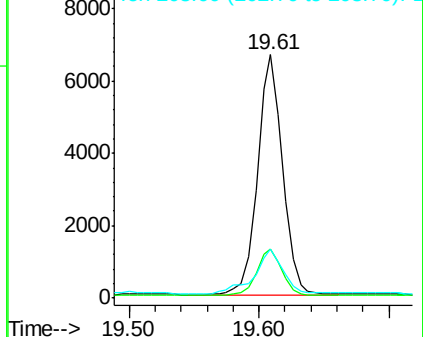
203 21.7 13.9 20.9#

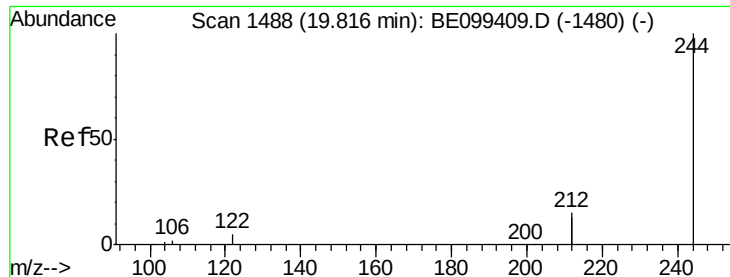


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.421 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

Instrument :

BNA_E

ClientSampleId :

PST-001-B192-042519

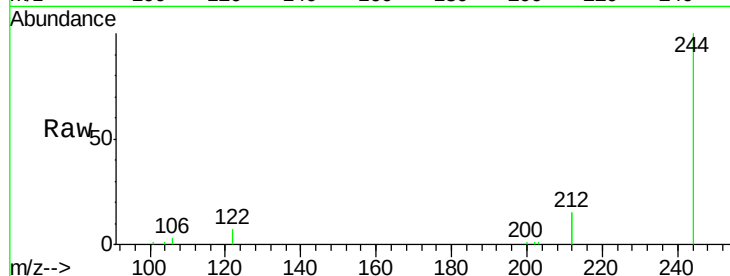
Tot Ion:244 Resp: 19013

Ion Ratio Lower Upper

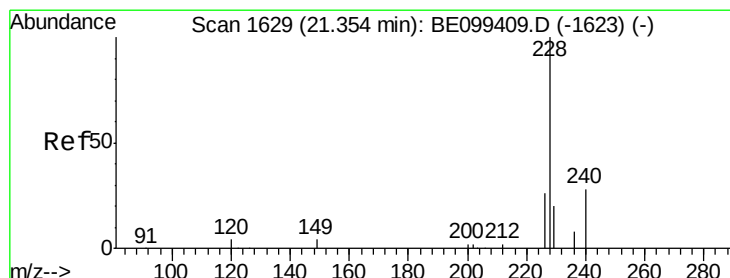
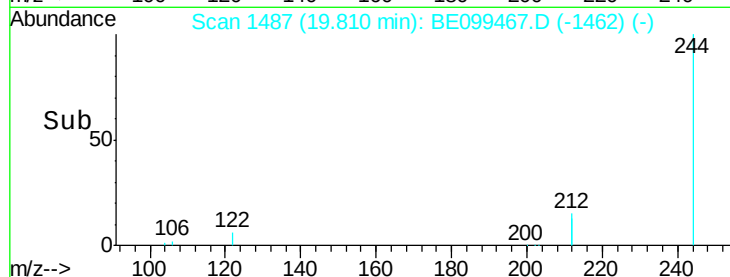
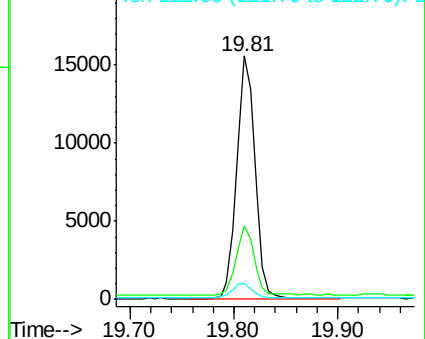
244 100

212 30.3 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: 0.070 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

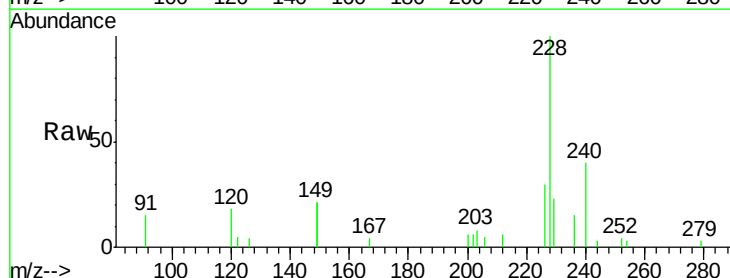
Tgt Ion:228 Resp: 5488

Ion Ratio Lower Upper

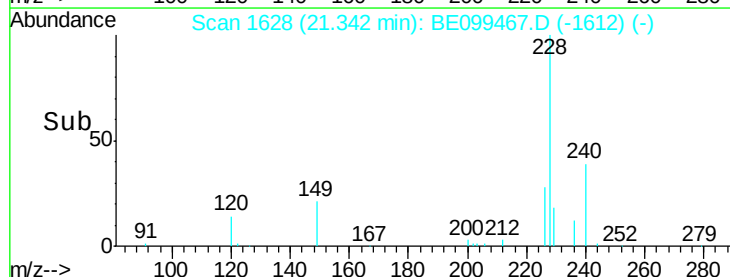
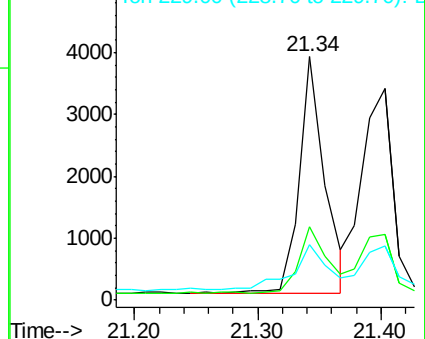
228 100

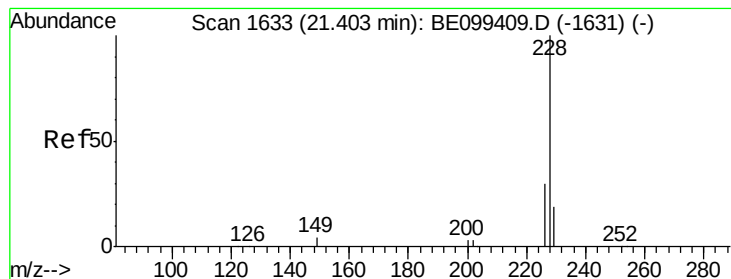
226 30.4 21.0 31.6

229 22.6 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: 0.039 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.06 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

Instrument :

BNA_E

ClientSampleId :

PST-001-B192-042519

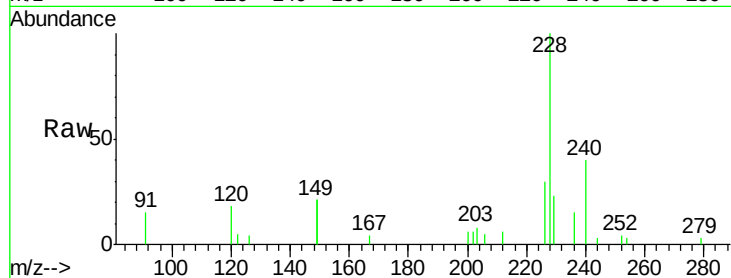
Tot Ion:228 Resp: 3010

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

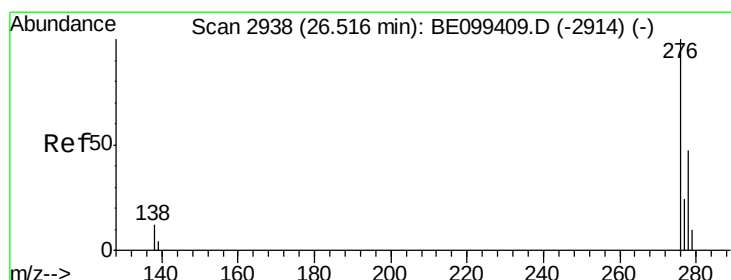
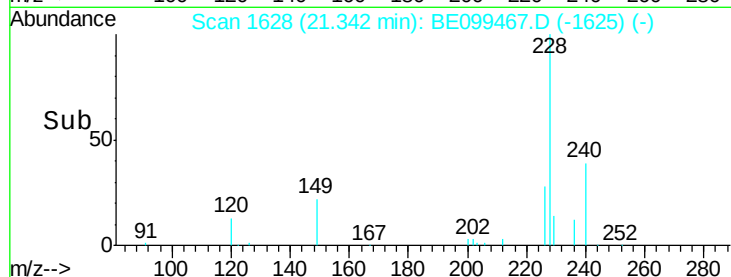
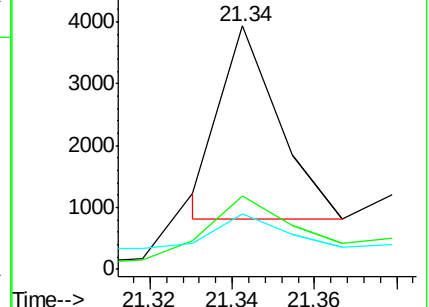
229 22.6 15.8 23.8



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: 0.040 ng

RT: 26.50 min Scan# 2933

Delta R.T. -0.02 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

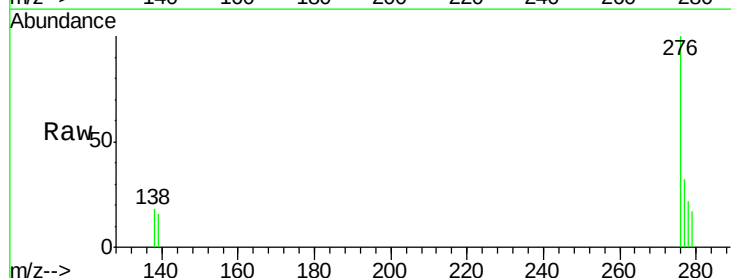
Tgt Ion:276 Resp: 3653

Ion Ratio Lower Upper

276 100

138 4.9 10.2 15.2#

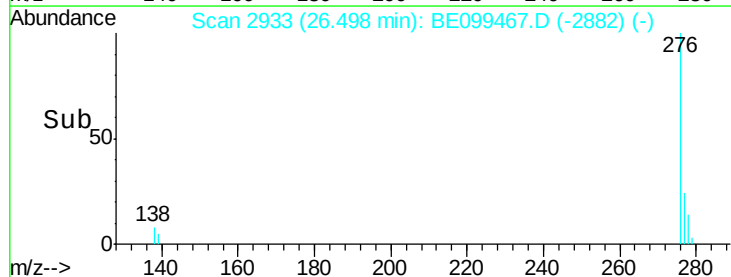
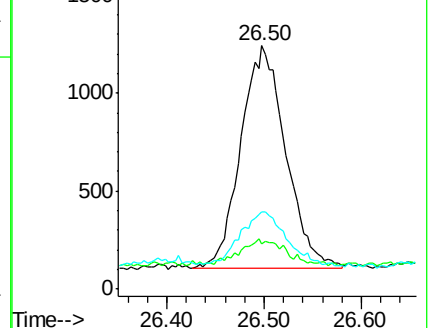
277 23.8 19.2 28.8

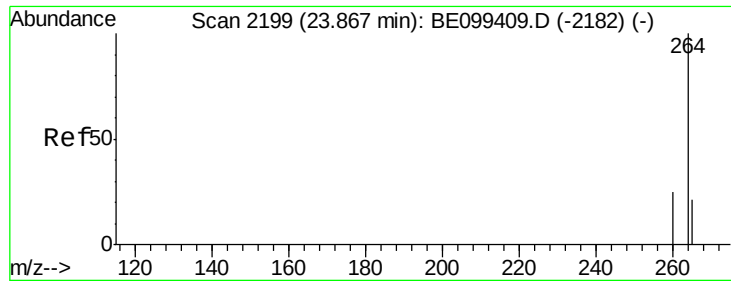


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

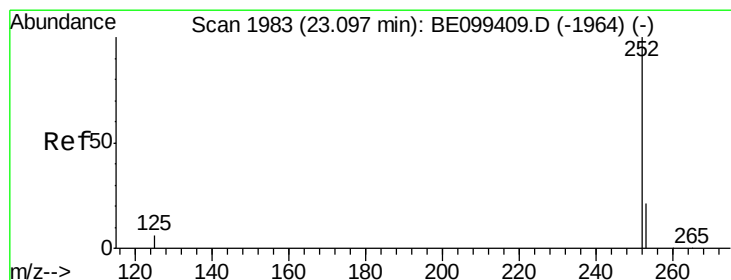
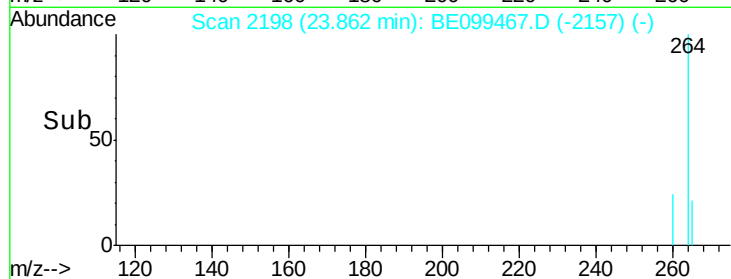
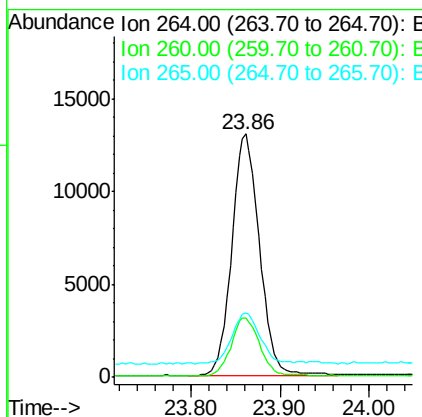
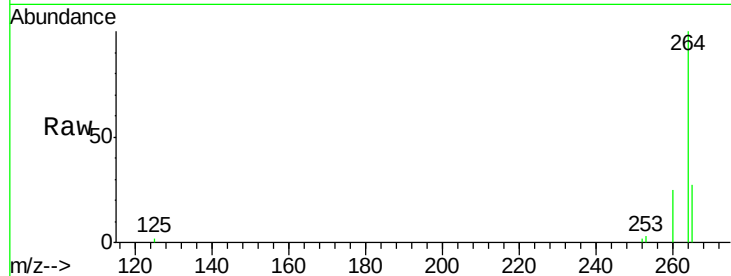




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BE099467.D
Acq: 1 May 2019 17:09

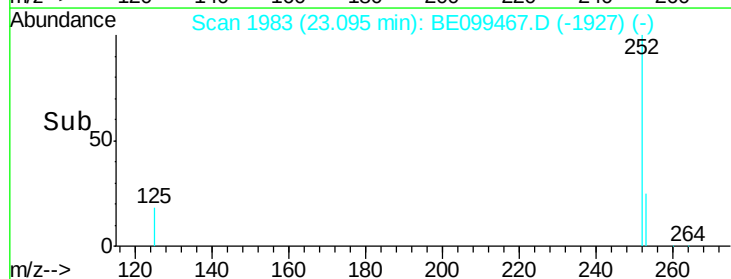
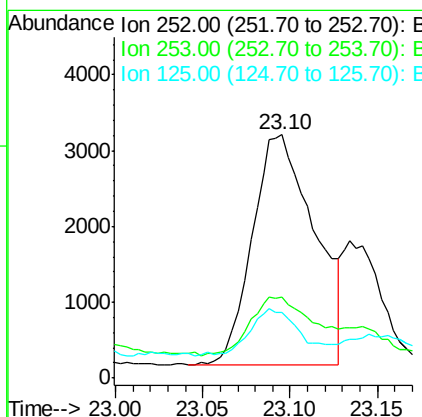
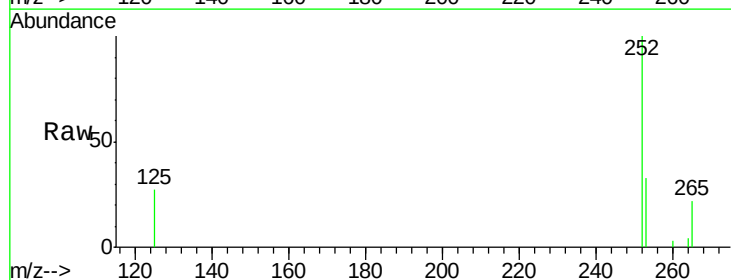
Instrument :
BNA_E
ClientSampleId :
PST-001-B192-042519

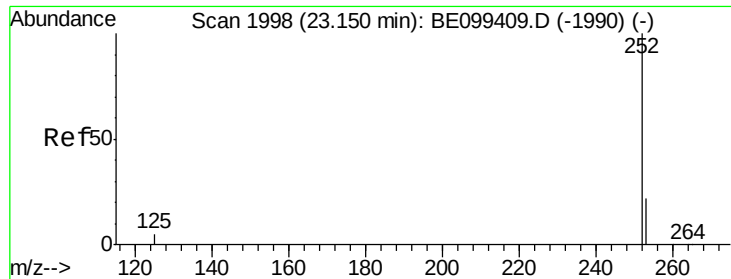
Tot Ion:264 Resp: 28169
Ion Ratio Lower Upper
264 100
260 24.6 20.2 30.2
265 26.7 21.3 31.9



#35
Benzo(b)fluoranthene
Concen: 0.093 ng
RT: 23.10 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BE099467.D
Acq: 1 May 2019 17:09

Tgt Ion:252 Resp: 7515
Ion Ratio Lower Upper
252 100
253 33.4 18.1 27.1#
125 27.0 5.6 8.4#





#36

Benzo(k)fluoranthene

Concen: 0.096 ng

RT: 23.10 min Scan# 1983

Delta R.T. -0.05 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

Instrument :

BNA_E

ClientSampleId :

PST-001-B192-042519

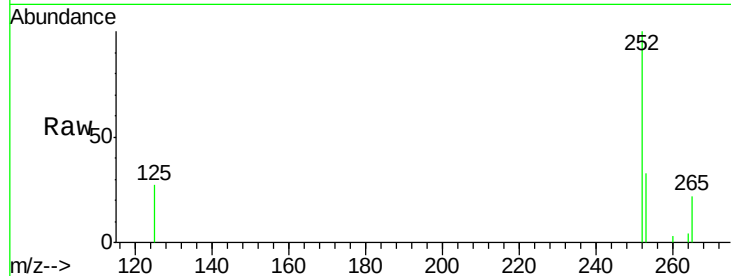
Tot Ion:252 Resp: 7515

Ion Ratio Lower Upper

252 100

253 33.4 18.4 27.6#

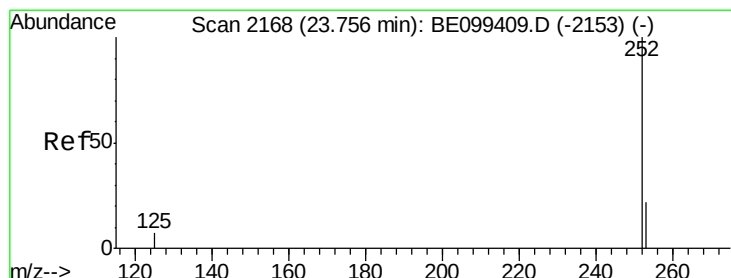
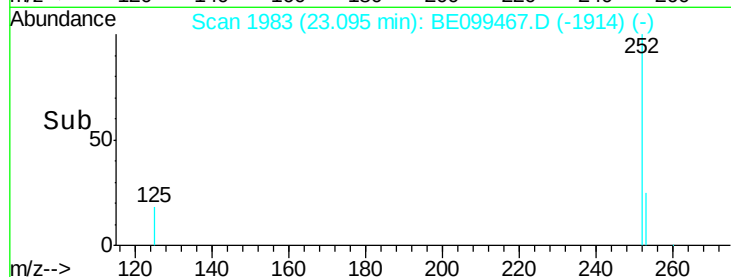
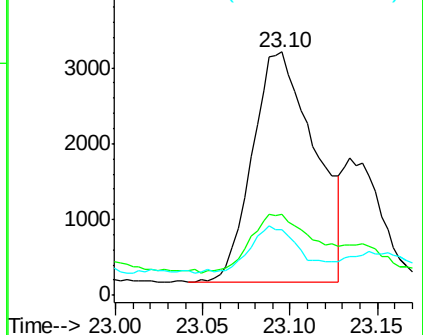
125 27.0 5.0 7.4#



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: 0.067 ng

RT: 23.75 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BE099467.D

Acq: 1 May 2019 17:09

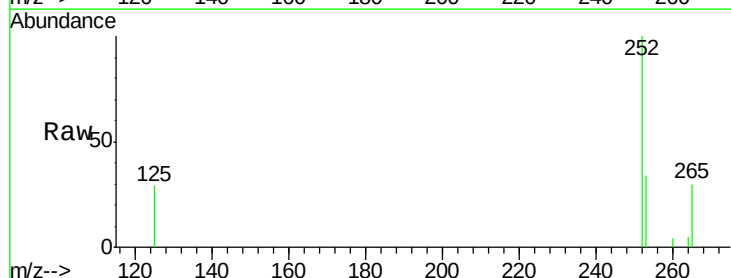
Tgt Ion:252 Resp: 5108

Ion Ratio Lower Upper

252 100

253 34.4 18.9 28.3#

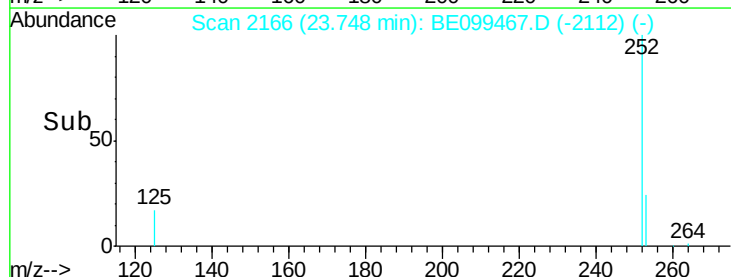
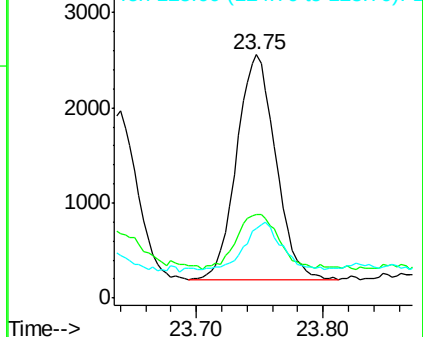
125 28.5 6.7 10.1#

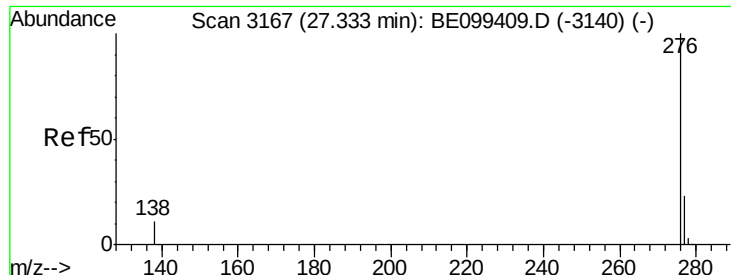


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.046 ng

RT: 27.33 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BE099467.D

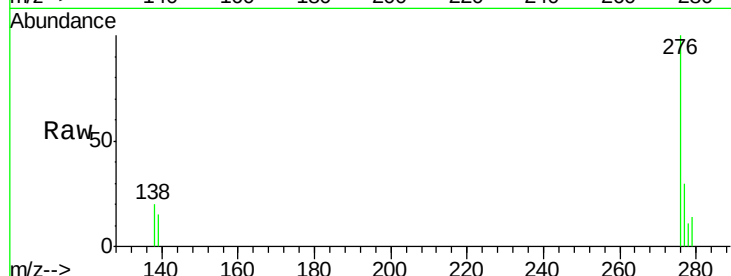
Acq: 1 May 2019 17:09

Instrument :

BNA_E

ClientSampleId :

PST-001-B192-042519



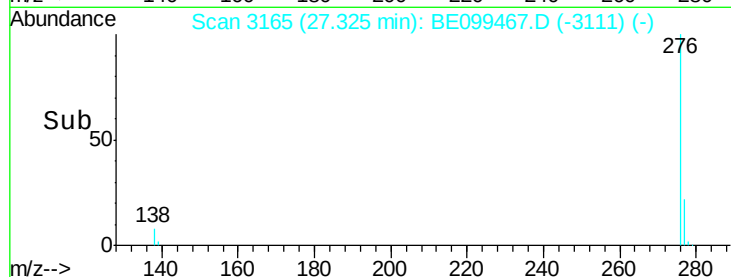
Tot Ion: 276 Resp: 3622

Ion Ratio Lower Upper

276 100

277 30.4 19.5 29.3#

138 19.5 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

