

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052219\
 Data File : BE099723.D
 Acq On : 22 May 2019 16:58
 Operator : JU/SJ
 Sample : K2986-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FEQC-052119

Quant Time: May 23 07:59:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1371	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	4793	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3627	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	9979	0.40	ng	0.00
27) Chrysene-d12	21.41	240	14483	0.40	ng	0.00
34) Perylene-d12	23.96	264	17438	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1309	0.38	ng	0.00
5) Phenol-d6	6.97	99	1877	0.41	ng	0.00
8) Nitrobenzene-d5	8.98	82	1493	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2824	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	800	0.42	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4186	0.30	ng	0.00
25) Fluoranthene-d10	19.26	212	42558	0.31	ng	0.00
29) Terphenyl-d14	19.86	244	9014	0.35	ng	0.00

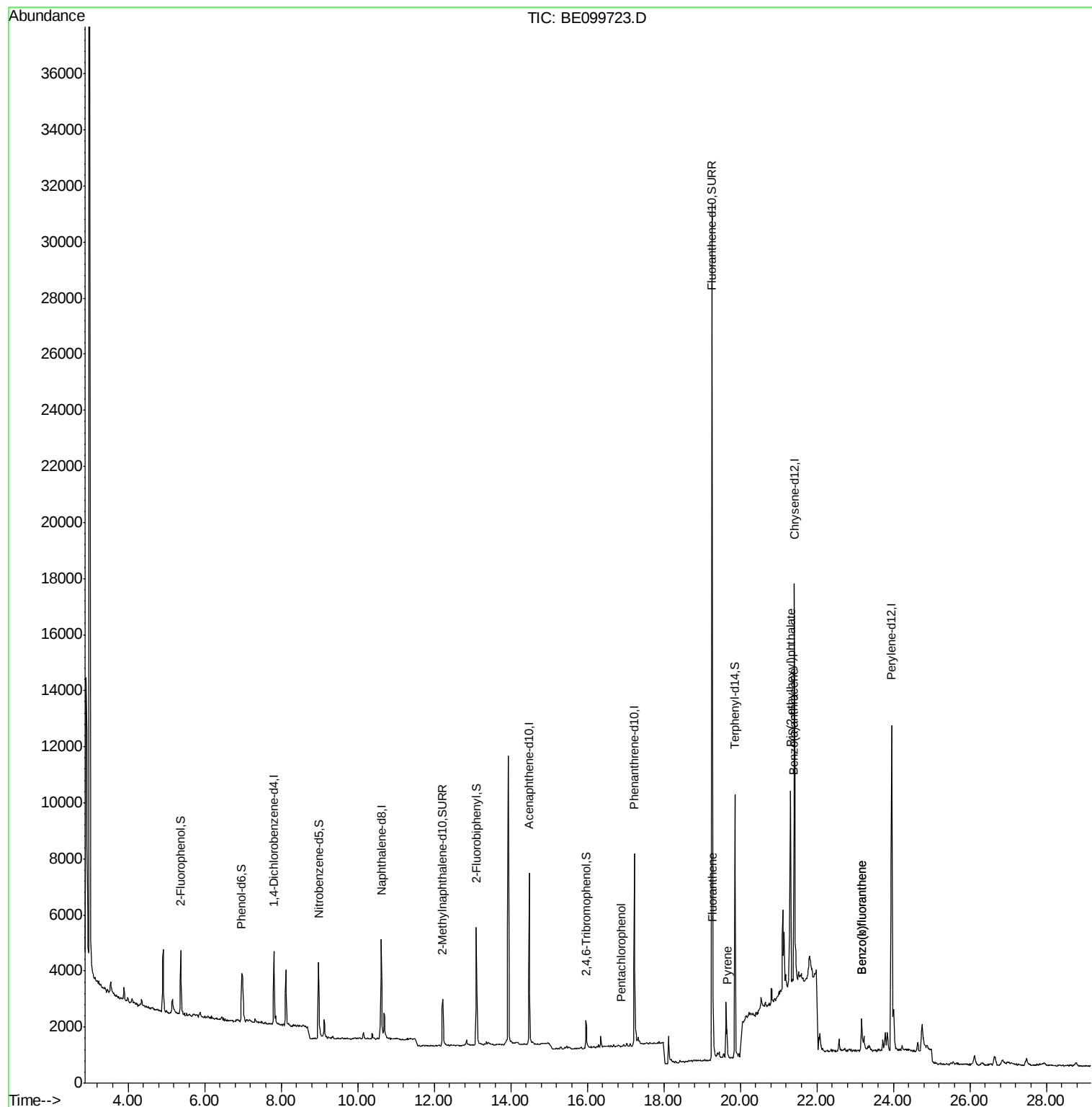
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	16.89	266	10	0.186	ng	# 80
26) Fluoranthene	19.29	202	1003	0.026	ng	# 93
28) Pyrene	19.65	202	909	0.025	ng	# 87
30) Benzo(a)anthracene	21.40	228	856	0.021	ng	# 32
32) Bis(2-ethylhexyl)phthalate	21.32	149	12401	0.261	ng	# 99
35) Benzo(b)fluoranthene	23.17	252	1221	0.026	ng	# 1
36) Benzo(k)fluoranthene	23.17	252	1221	0.025	ng	# 1

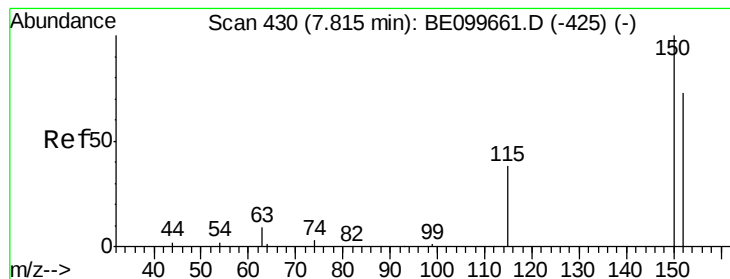
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099723.D

Acq: 22 May 2019 16:58

Instrument :

BNA_E

ClientSampleId :

FEQC-052119

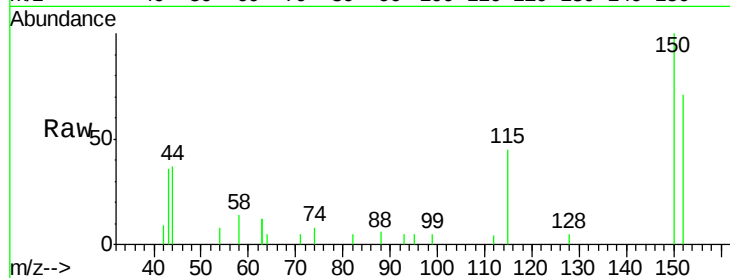
Tgt Ion:152 Resp: 1371

Ion Ratio Lower Upper

152 100

150 141.5 109.2 163.8

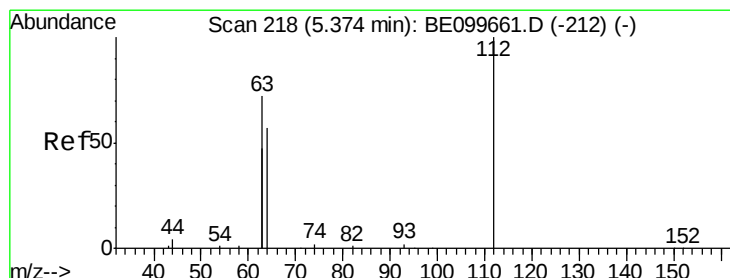
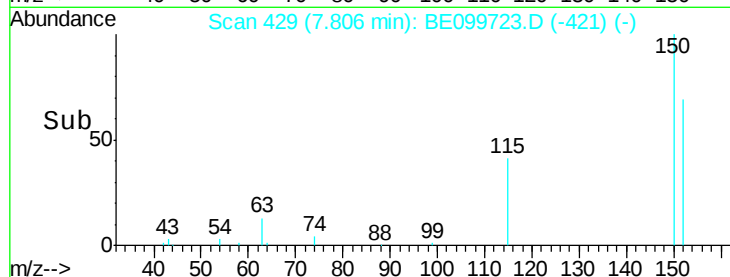
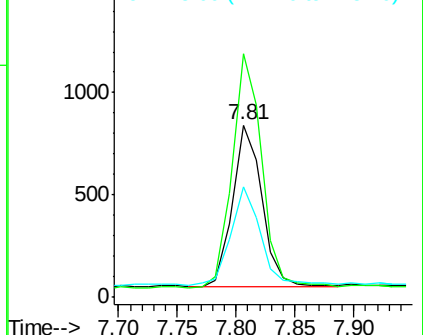
115 64.0 43.7 65.5



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: 0.378 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099723.D

Acq: 22 May 2019 16:58

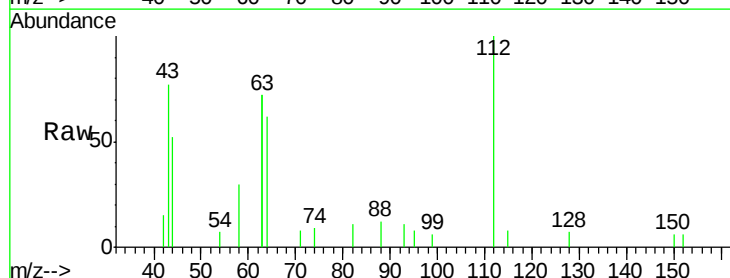
Tgt Ion:112 Resp: 1309

Ion Ratio Lower Upper

112 100

64 57.1 43.4 65.2

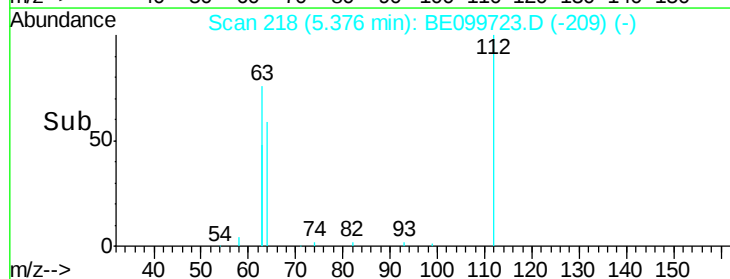
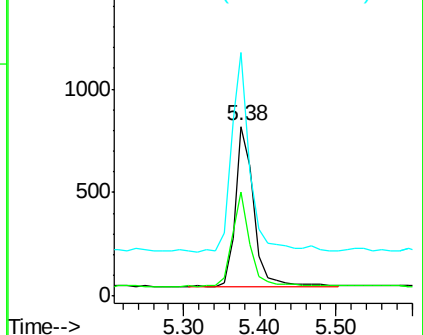
63 126.0 96.9 145.3

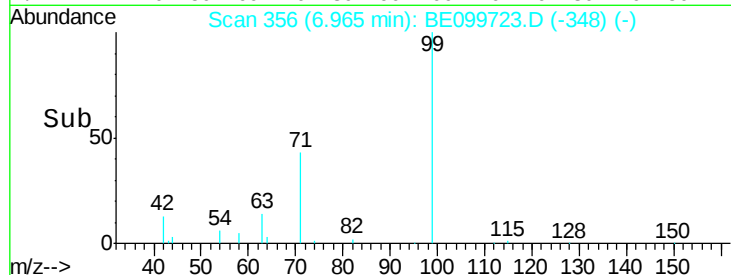
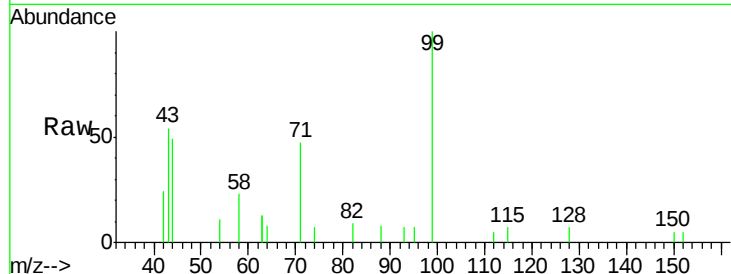
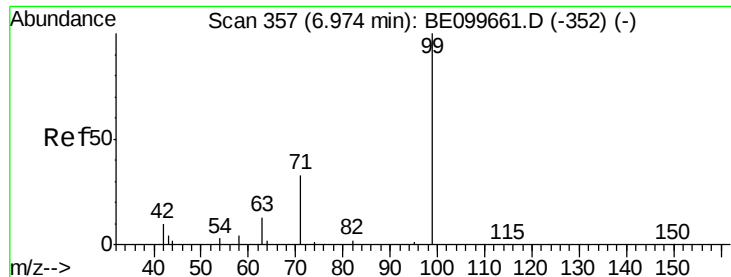


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.409 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099723.D

Acq: 22 May 2019 16:58

Instrument :

BNA_E

ClientSampleId :

FEQC-052119

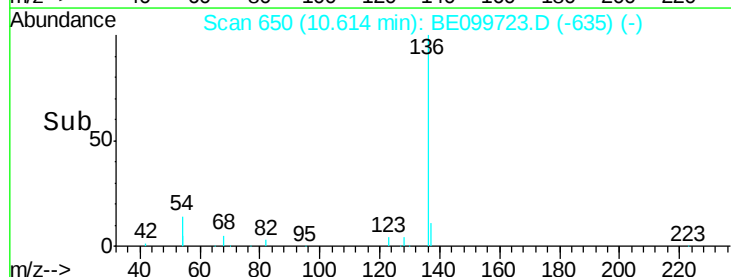
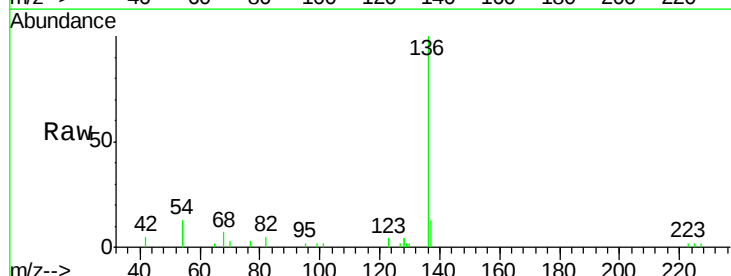
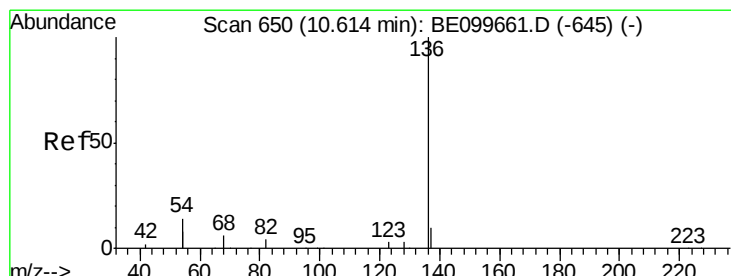
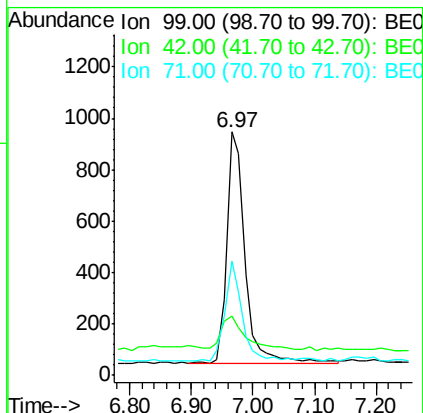
Tgt Ion: 99 Resp: 1877

Ion Ratio Lower Upper

99 100

42 18.3 12.2 18.2#

71 40.2 28.9 43.3



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099723.D

Acq: 22 May 2019 16:58

Tgt Ion: 136 Resp: 4793

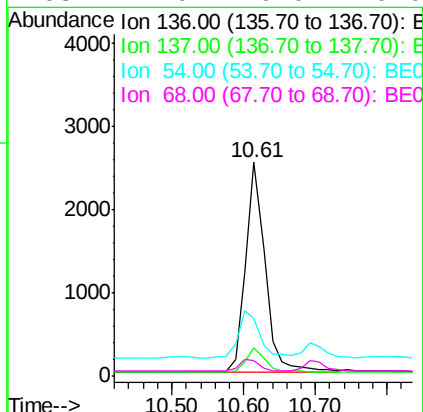
Ion Ratio Lower Upper

136 100

137 13.0 9.0 13.6

54 26.9 22.3 33.5

68 7.0 6.0 9.0





#8

Nitrobenzene-d5

Concen: 0.360 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099723.D

Acq: 22 May 2019 16:58

Instrument :

BNA_E

ClientSampleId :

FEQC-052119

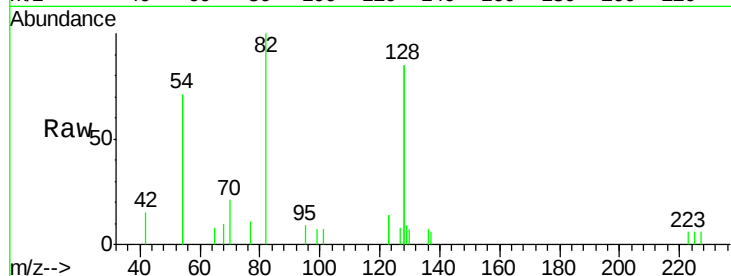
Tgt Ion: 82 Resp: 1493

Ion Ratio Lower Upper

82 100

128 169.0 117.7 176.5

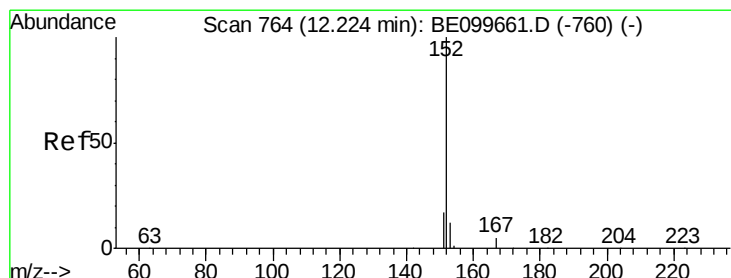
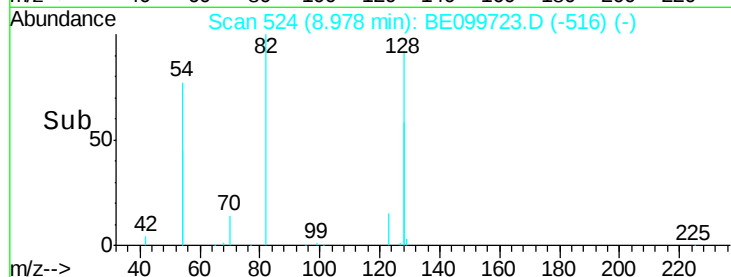
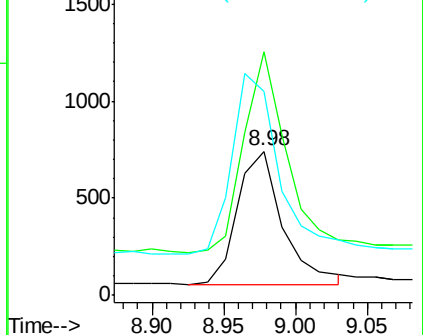
54 141.8 106.6 160.0



Abundance Ion 82.00 (81.70 to 82.70): BE099723.D (-516) (-)

Ion 128.00 (127.70 to 128.70): BE099723.D (-516) (-)

Ion 54.00 (53.70 to 54.70): BE099723.D (-516) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.341 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099723.D

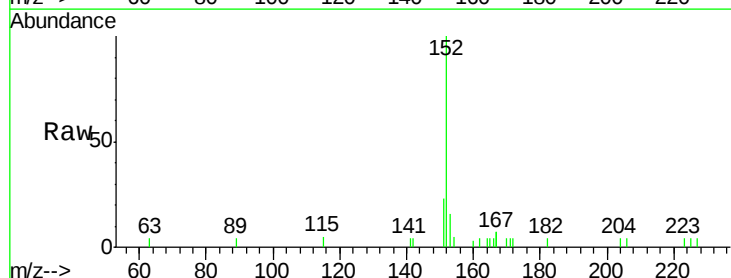
Acq: 22 May 2019 16:58

Tgt Ion: 152 Resp: 2824

Ion Ratio Lower Upper

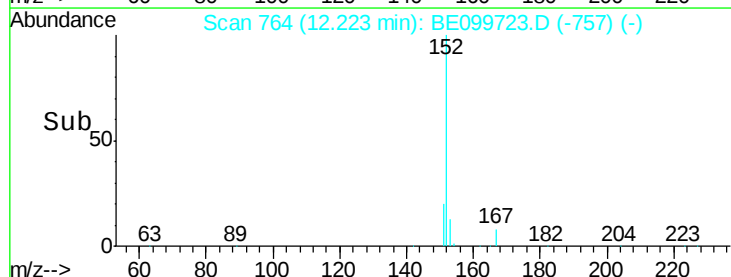
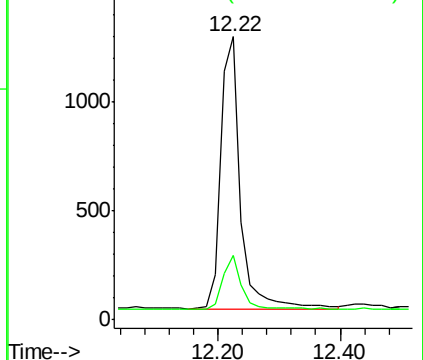
152 100

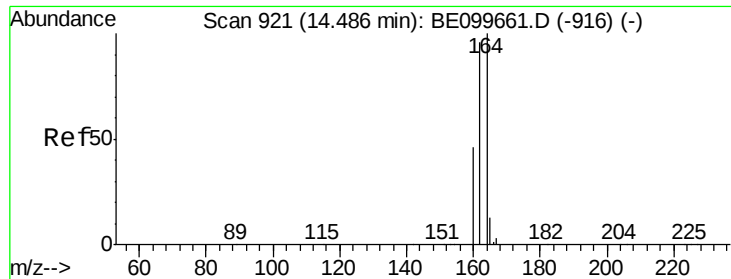
151 19.3 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): BE099723.D (-757) (-)

Ion 151.00 (150.70 to 151.70): BE099723.D (-757) (-)

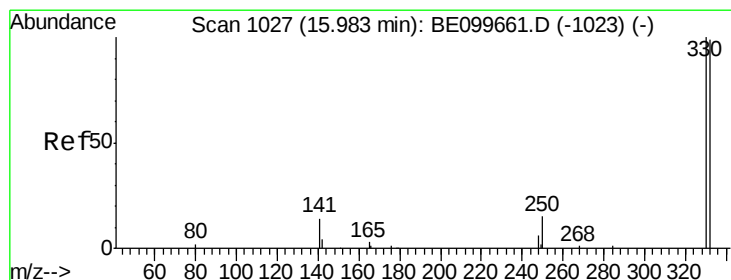
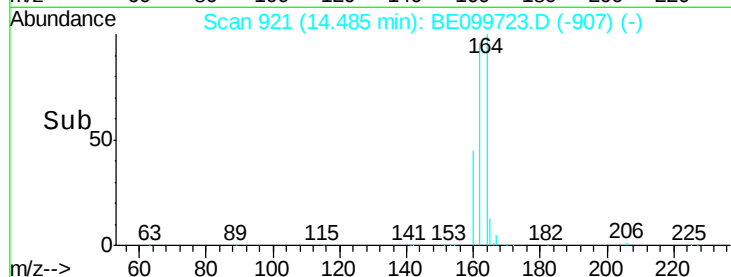
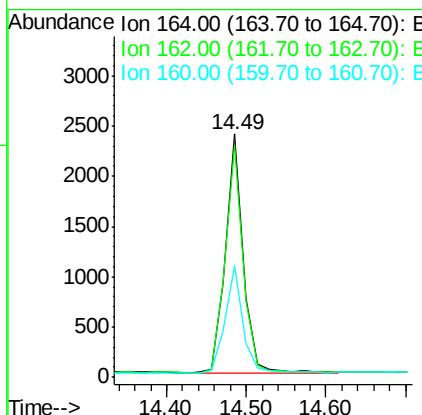
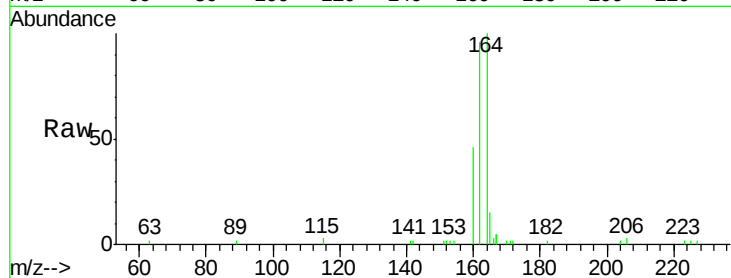




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099723.D
Acq: 22 May 2019 16:58

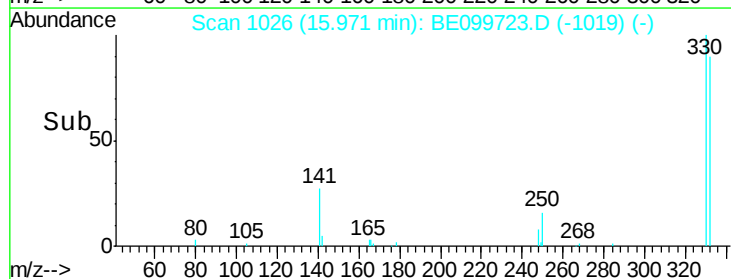
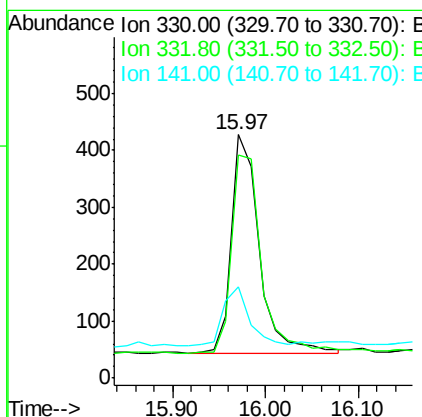
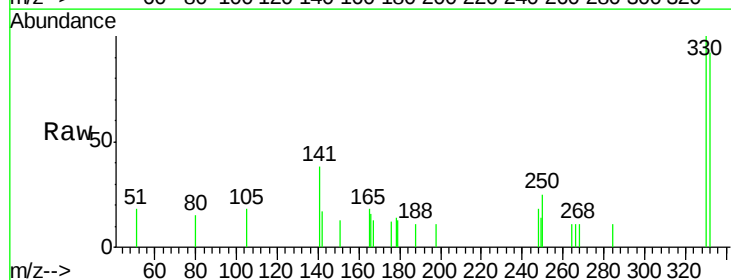
Instrument :
BNA_E
ClientSampleId :
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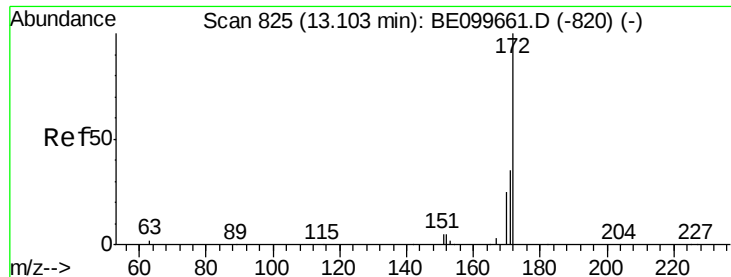
Tgt Ion:164 Resp: 3627
Ion Ratio Lower Upper
164 100
162 95.6 76.5 114.7
160 46.0 37.4 56.2



#14
2,4,6-Tribromophenol
Concen: 0.420 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099723.D
Acq: 22 May 2019 16:58

Tgt Ion:330 Resp: 800
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 26.0 18.9 28.3

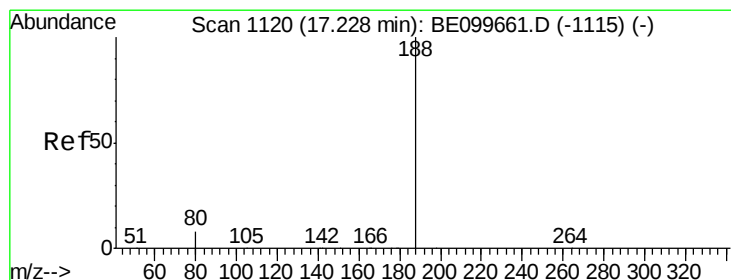
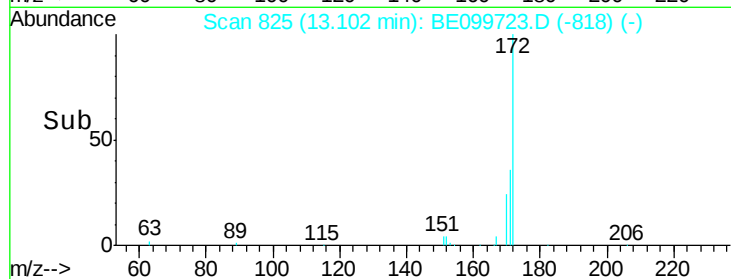
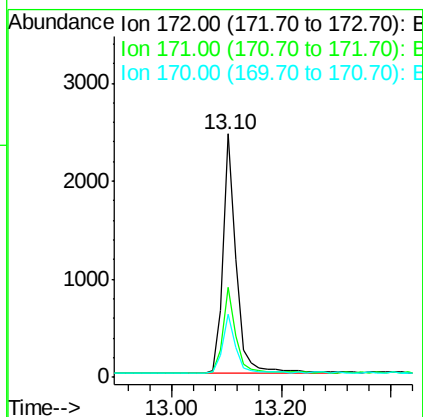
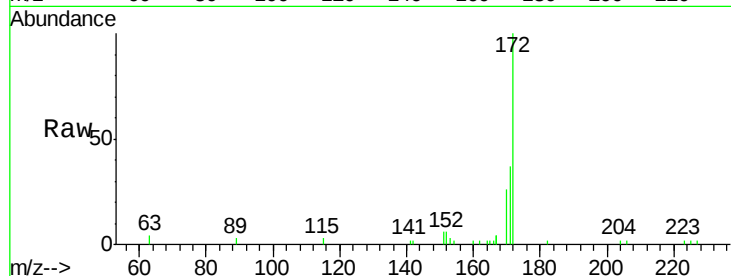




#15
2-Fluorobiphenyl
Concen: 0.304 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099723.D
Acq: 22 May 2019 16:58

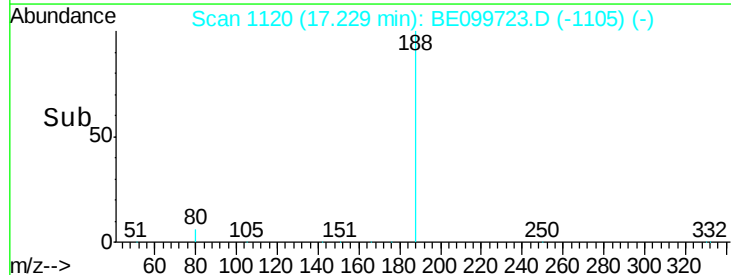
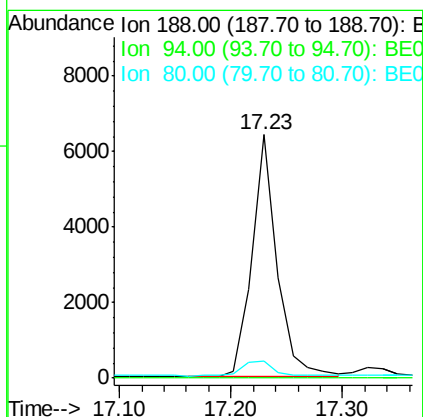
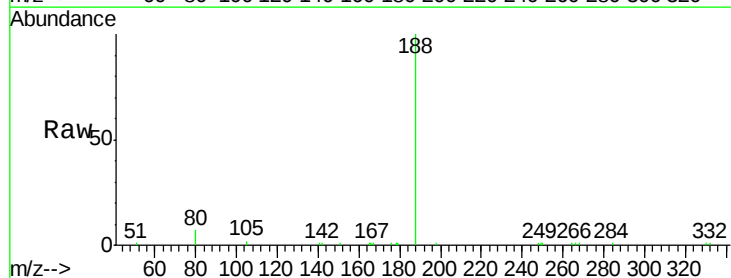
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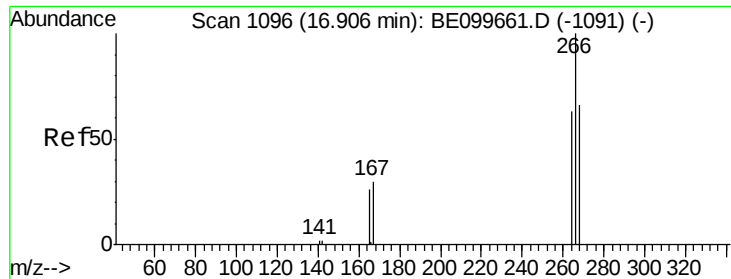
Tgt Ion:172 Resp: 4186
Ion Ratio Lower Upper
172 100
171 36.8 28.7 43.1
170 25.8 20.9 31.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099723.D
Acq: 22 May 2019 16:58

Tgt Ion:188 Resp: 9979
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.2 6.7 10.1

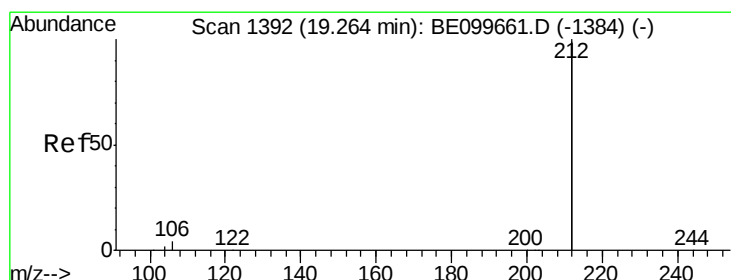
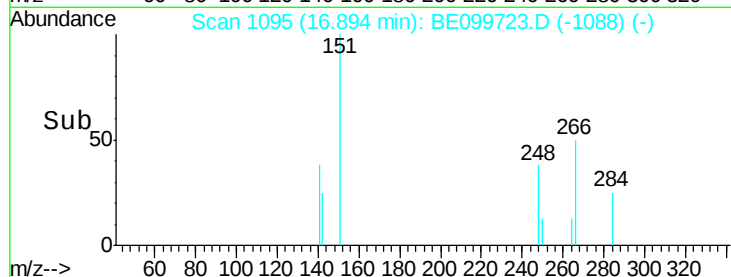
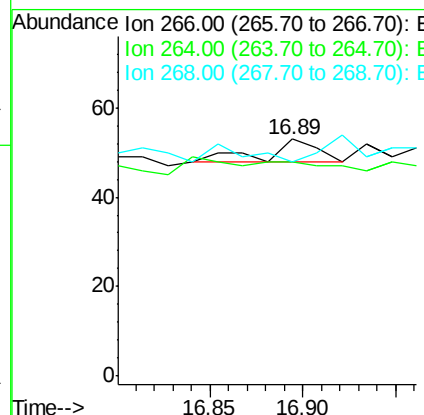
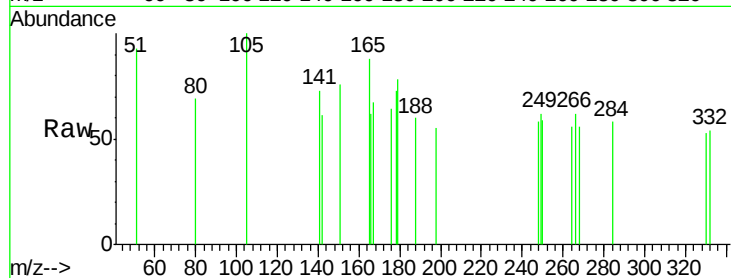




#22
 Pentachlorophenol
 Concen: 0.186 ng
 RT: 16.89 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: BE099723.D
 Acq: 22 May 2019 16:58

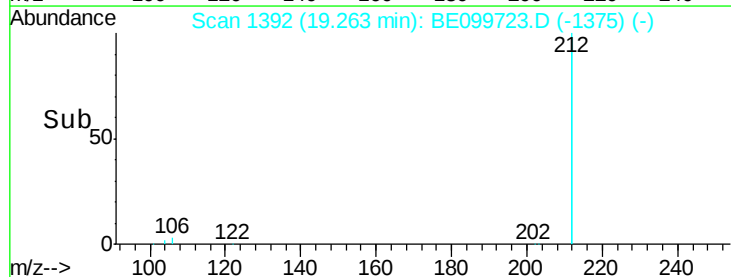
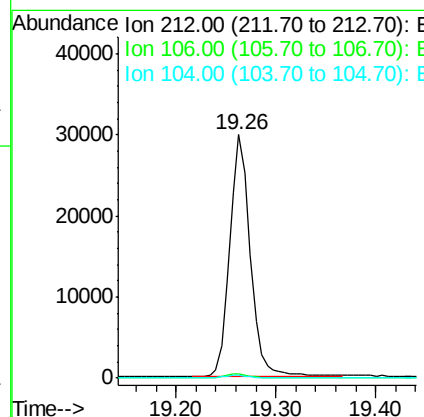
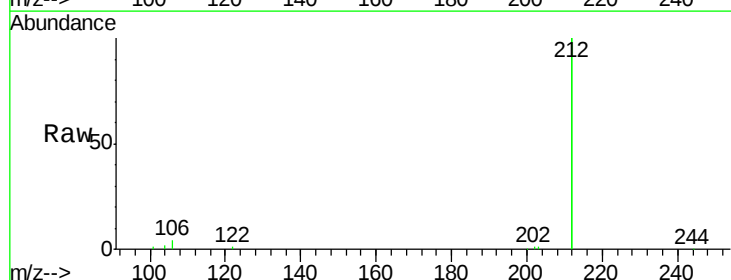
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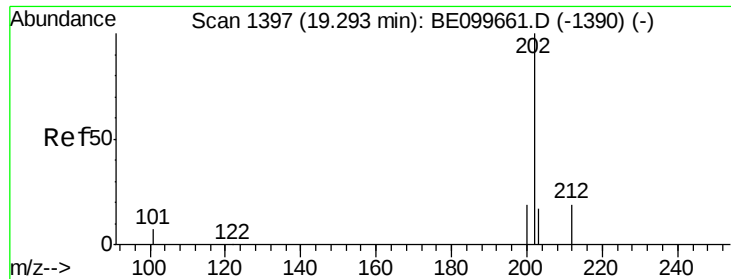
Tgt Ion: 266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 264 90.6 57.2 85.8#
 268 90.6 60.5 90.7



#25
 Fluoranthene-d10
 Concen: 0.312 ng
 RT: 19.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: BE099723.D
 Acq: 22 May 2019 16:58

Tgt Ion: 212 Resp: 42558
 Ion Ratio Lower Upper
 212 100
 106 1.8 1.4 2.2
 104 1.1 0.8 1.2

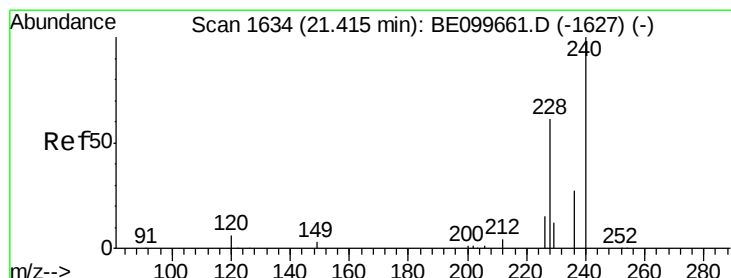
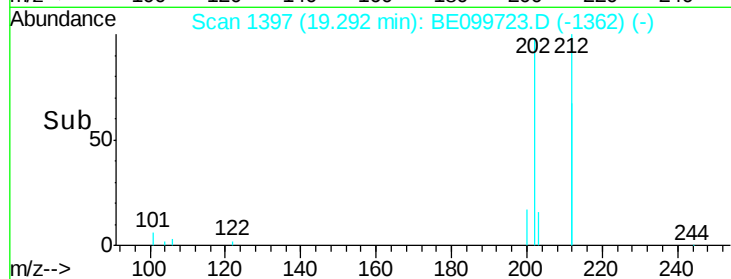
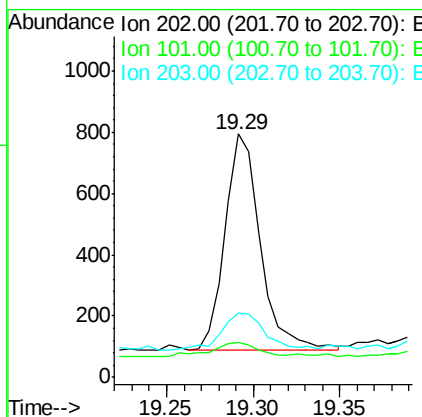
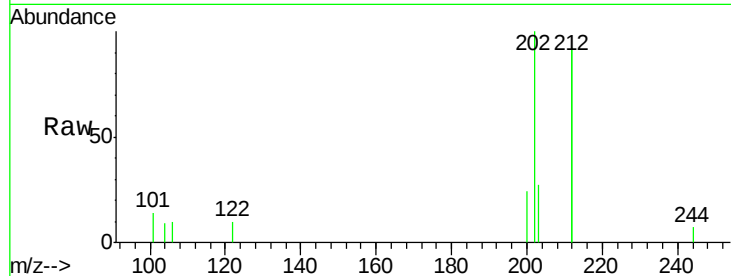




#26
 Fluoranthene
 Concen: 0.026 ng
 RT: 19.29 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BE099723.D
 Acq: 22 May 2019 16:58

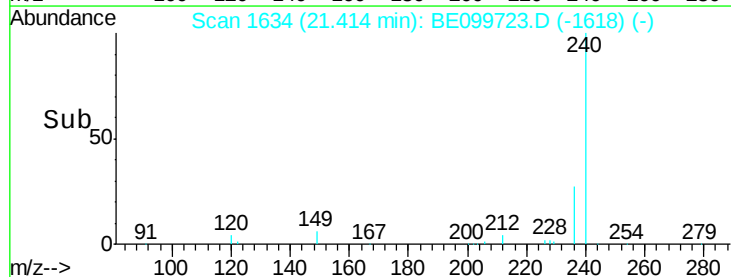
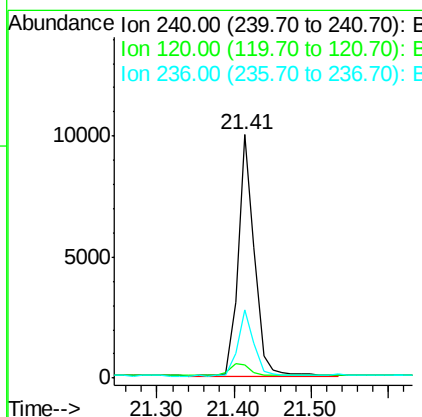
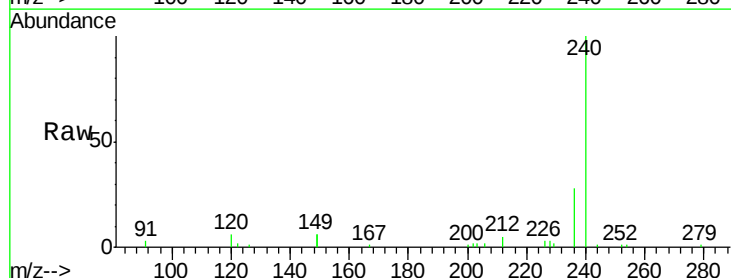
Instrument :
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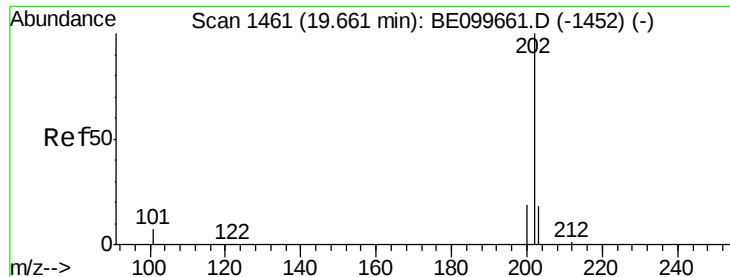
Tgt Ion: 202 Resp: 1003
 Ion Ratio Lower Upper
 202 100
 101 8.5 5.2 7.8#
 203 20.6 13.8 20.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: BE099723.D
 Acq: 22 May 2019 16:58

Tgt Ion: 240 Resp: 14483
 Ion Ratio Lower Upper
 240 100
 120 5.5 5.4 8.0
 236 27.9 21.7 32.5

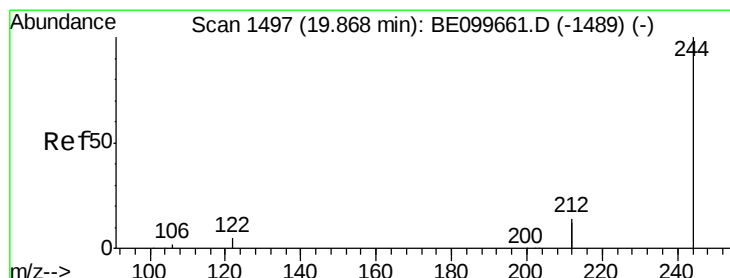
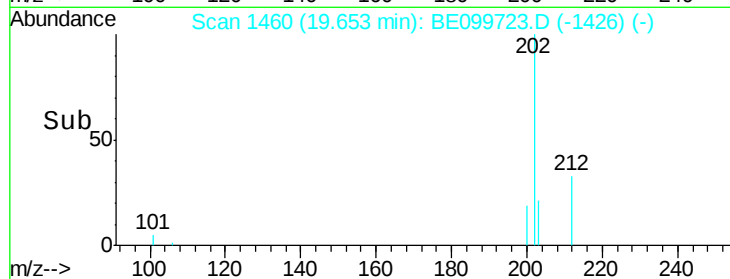
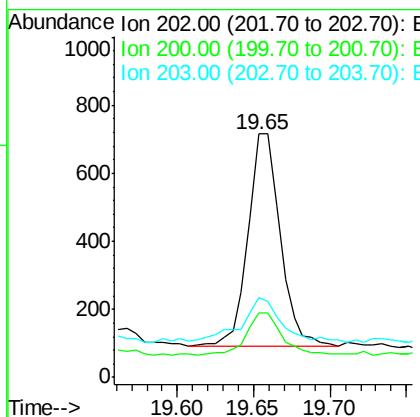
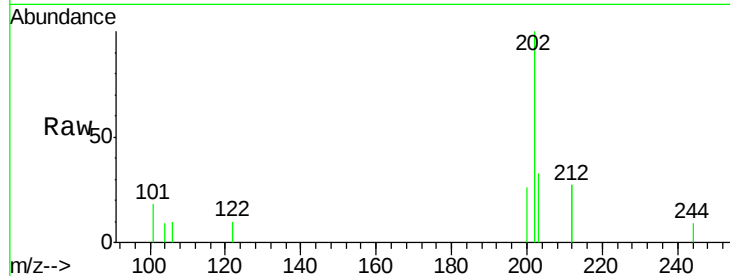




#28
 Pyrene
 Concen: 0.025 ng
 RT: 19.65 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099723.D
 Acq: 22 May 2019 16:58

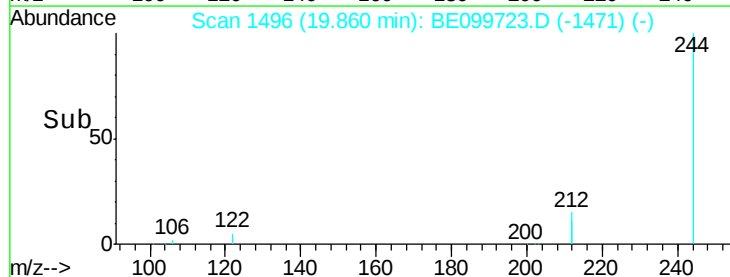
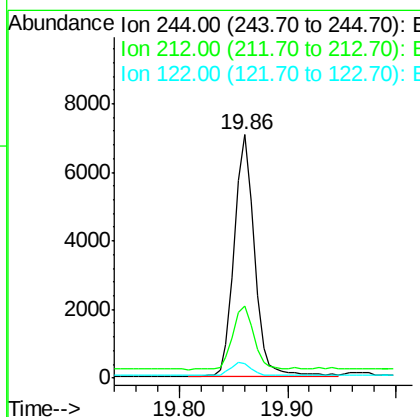
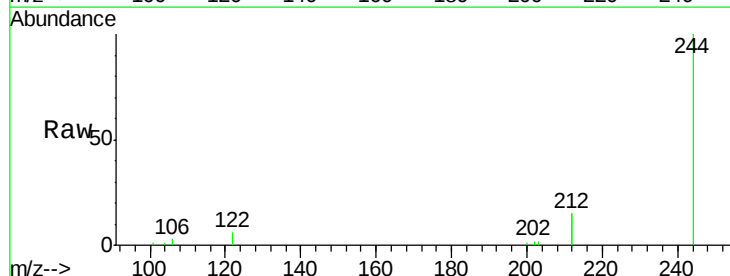
Instrument :
 BNA_E
 ClientSampleId :
 FEQC-052119

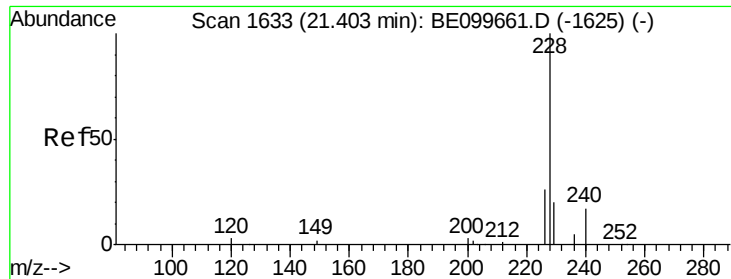
Tgt Ion: 202 Resp: 909
 Ion Ratio Lower Upper
 202 100
 200 21.7 15.4 23.2
 203 26.5 13.8 20.8#



#29
 Terphenyl-d14
 Concen: 0.349 ng
 RT: 19.86 min Scan# 1496
 Delta R.T. -0.01 min
 Lab File: BE099723.D
 Acq: 22 May 2019 16:58

Tgt Ion: 244 Resp: 9014
 Ion Ratio Lower Upper
 244 100
 212 29.8 22.5 33.7
 122 5.9 4.3 6.5





#30

Benzo(a)anthracene

Concen: 0.021 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099723.D

Acq: 22 May 2019 16:58

Instrument :

BNA_E

ClientSampleId :

FEQC-052119

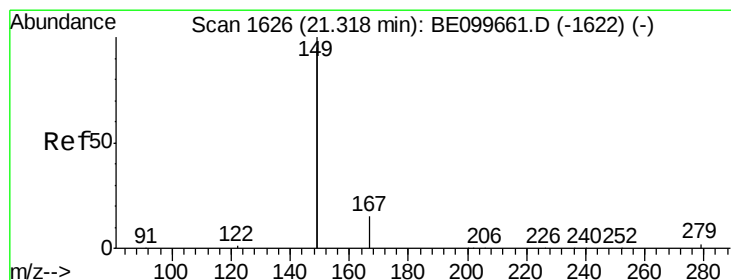
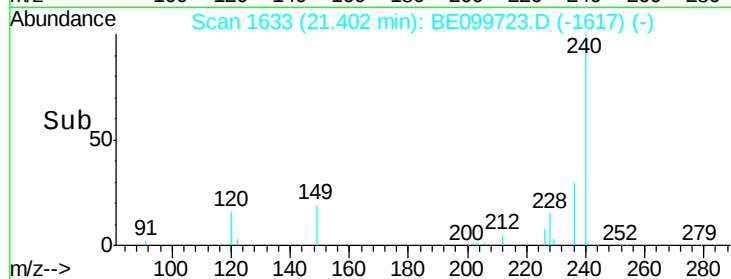
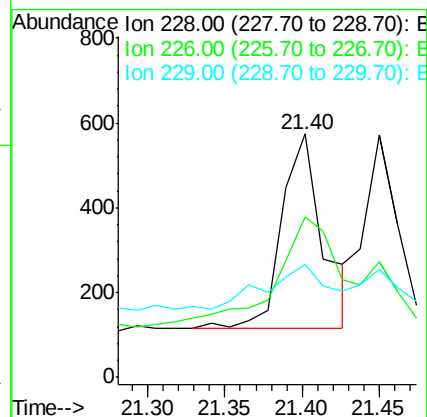
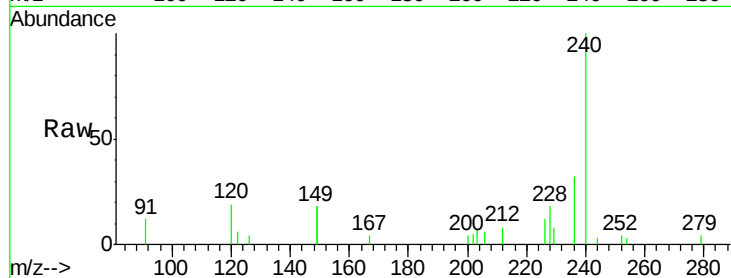
Tgt Ion:228 Resp: 856

Ion Ratio Lower Upper

228 100

226 65.9 21.3 31.9#

229 46.5 16.1 24.1#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.261 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099723.D

Acq: 22 May 2019 16:58

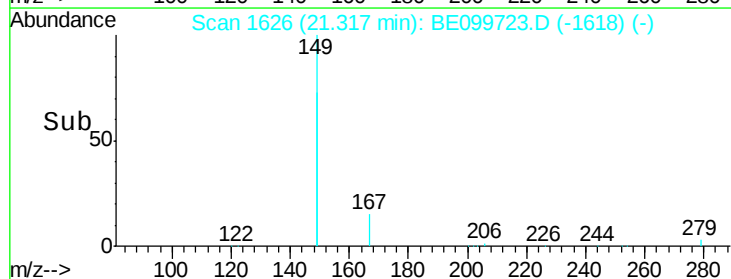
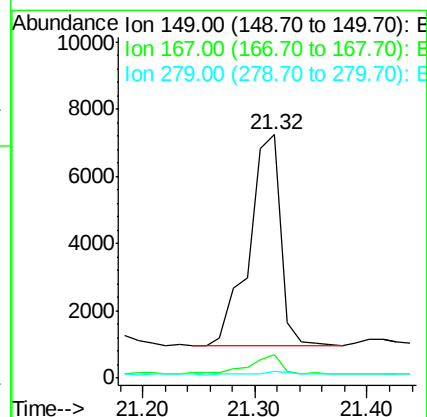
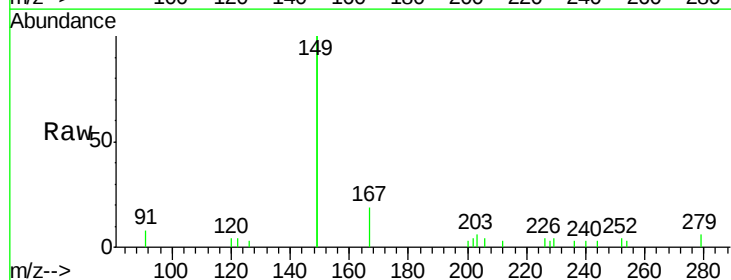
Tgt Ion:149 Resp: 12401

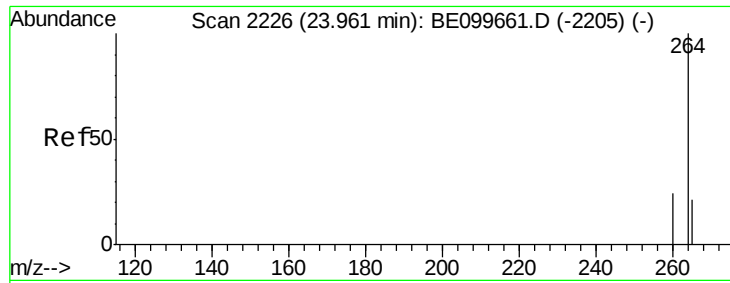
Ion Ratio Lower Upper

149 100

167 8.1 6.2 9.4

279 1.5 1.2 1.8

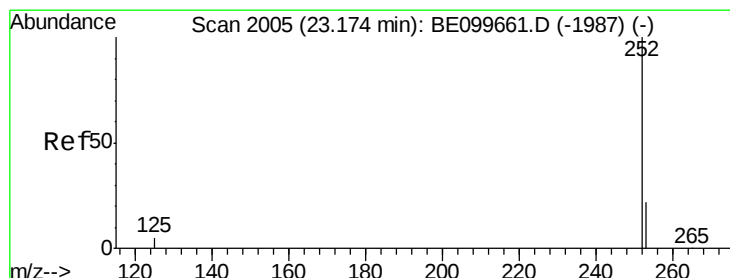
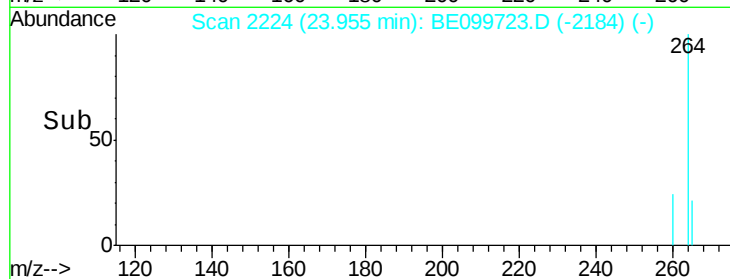
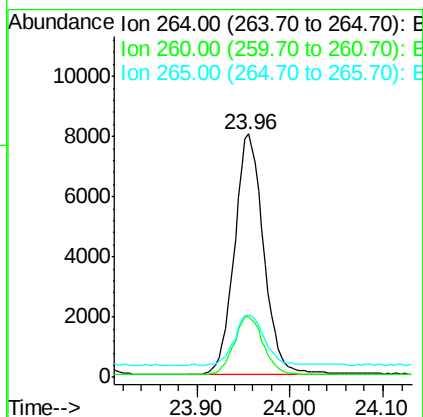
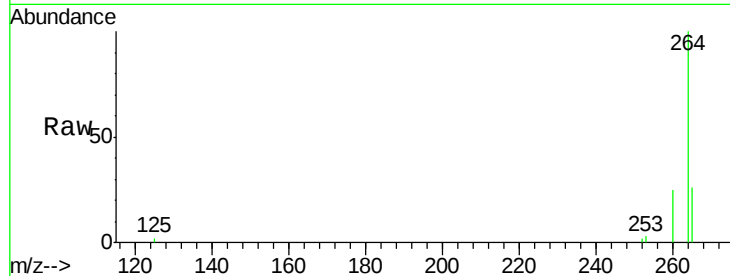




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BE099723.D
 Acq: 22 May 2019 16:58

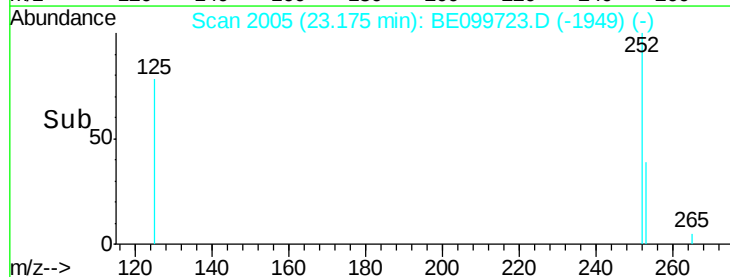
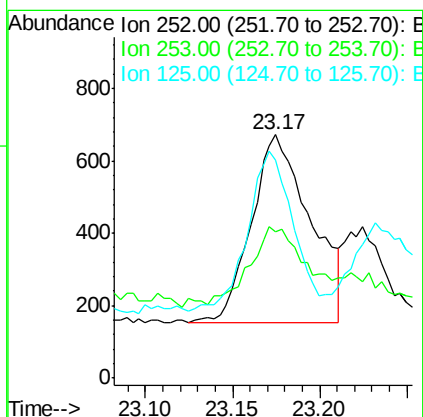
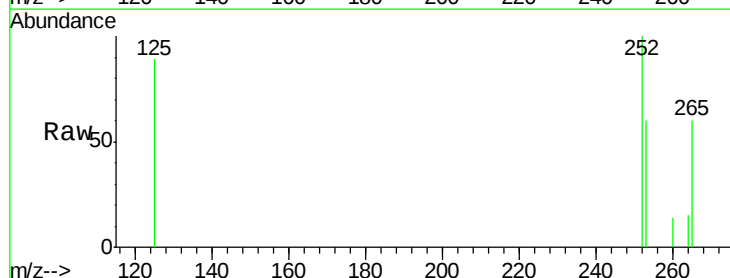
Instrument :
 BNA_E
 ClientSampleId :
 FEQC-052119

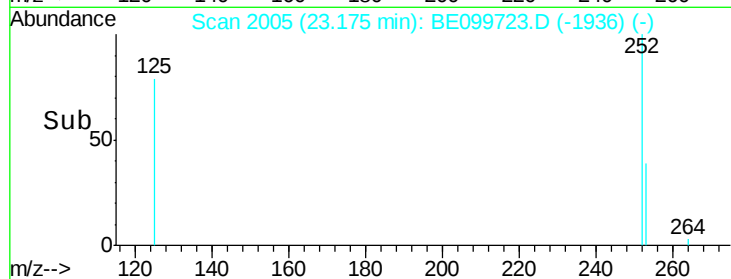
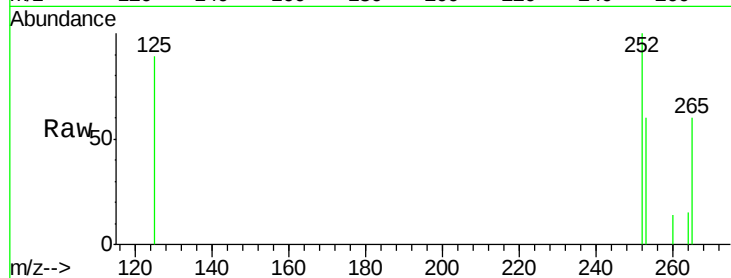
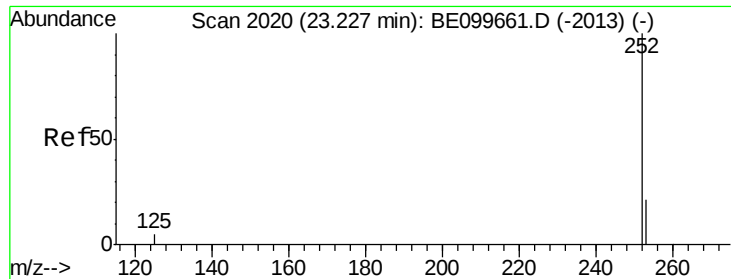
Tgt Ion: 264 Resp: 17438
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.6 29.4
 265 25.6 19.1 28.7



#35
Benzo(b)fluoranthene
 Concen: 0.026 ng
 RT: 23.17 min Scan# 2005
 Delta R.T. 0.00 min
 Lab File: BE099723.D
 Acq: 22 May 2019 16:58

Tgt Ion: 252 Resp: 1221
 Ion Ratio Lower Upper
 252 100
 253 60.3 18.2 27.4#
 125 89.4 4.5 6.7#





#36

Benzo(k)fluoranthene

Concen: 0.025 ng

RT: 23.17 min Scan# 2005

Delta R.T. -0.05 min

Lab File: BE099723.D

Acq: 22 May 2019 16:58

Instrument :

BNA_E

ClientSampleId :

FEQC-052119

Tgt Ion: 252 Resp: 1221

Ion Ratio Lower Upper

252 100

253 60.3 17.8 26.8#

125 89.4 4.6 6.8#

