

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
 Data File : BE099365.D
 Acq On : 25 Apr 2019 17:26
 Operator : JU/SJ
 Sample : K2534-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 26 00:42:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 06:51:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	4175	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	16929	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	12047	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	31763	0.40	ng	0.00
27) Chrysene-d12	21.36	240	34275	0.40	ng	0.00
34) Perylene-d12	23.86	264	38084	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2924	0.29	ng	0.00
5) Phenol-d6	6.98	99	4650	0.32	ng	0.00
8) Nitrobenzene-d5	8.96	82	3624	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	6675	0.22	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1774	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	10332	0.22	ng	0.00
25) Fluoranthene-d10	19.22	212	80193	0.21	ng	0.00
29) Terphenyl-d14	19.81	244	15838	0.23	ng	0.00

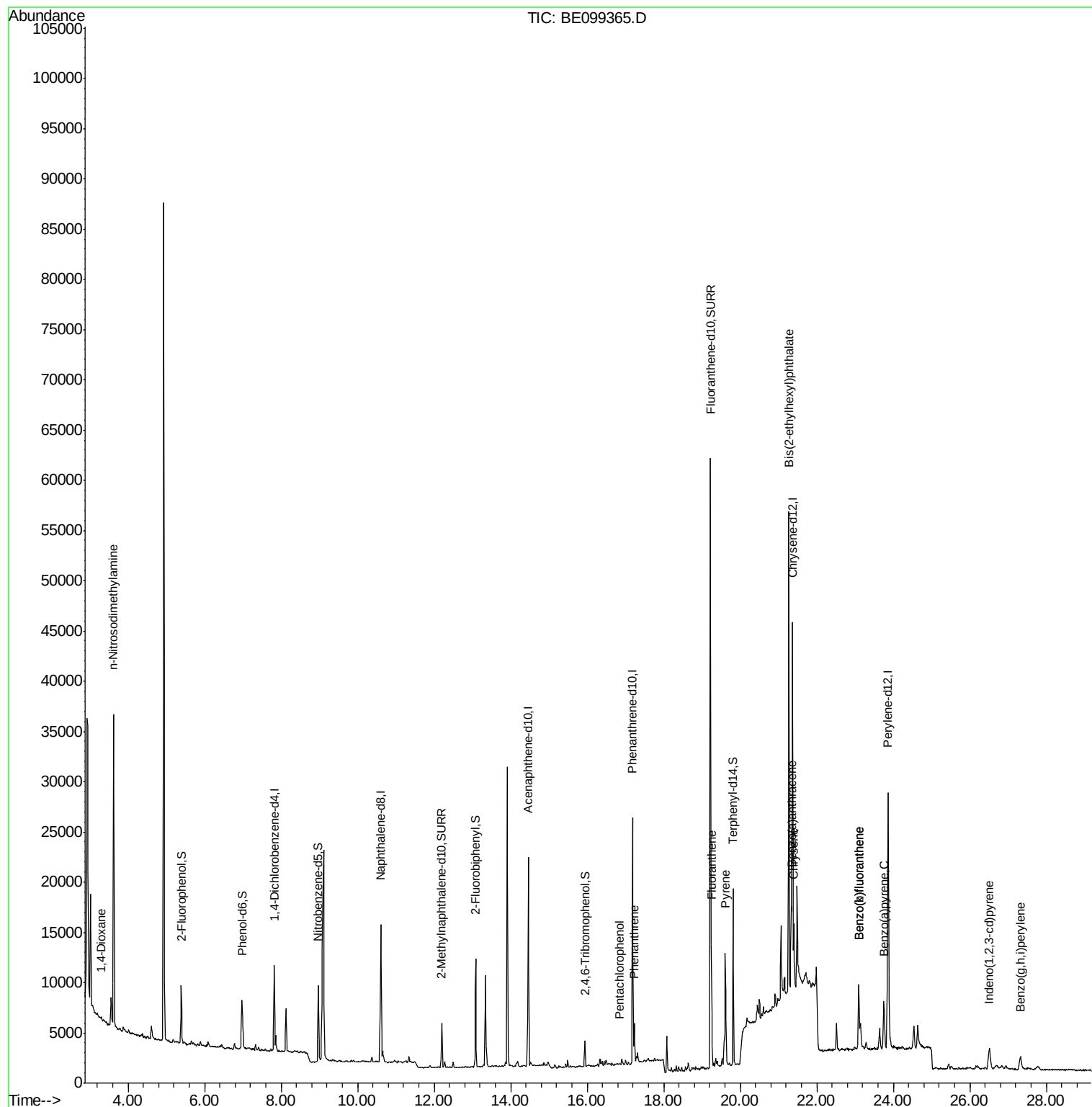
Target Compounds						Qvalue
2) 1,4-Dioxane	3.30	88	198	0.034	ng	# 86
3) n-Nitrosodimethylamine	3.62	42	2388	0.759	ng	# 1
22) Pentachlorophenol	16.84	266	67	0.230	ng	# 81
23) Phenanthrene	17.23	178	4186	0.050	ng	95
26) Fluoranthene	19.25	202	10863	0.096	ng	98
28) Pyrene	19.61	202	9908	0.098	ng	# 94
30) Benzo(a)anthracene	21.34	228	5171	0.051	ng	# 82
31) Chrysene	21.40	228	5959	0.056	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.27	149	49613	0.541	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.51	276	3781	0.036	ng	# 89
35) Benzo(b)fluoranthene	23.10	252	7481	0.064	ng	# 1
36) Benzo(k)fluoranthene	23.10	252	7481	0.064	ng	# 1
37) Benzo(a)pyrene	23.75	252	5281	0.051	ng	# 1
39) Benzo(g,h,i)perylene	27.32	276	3377	0.031	ng	# 71

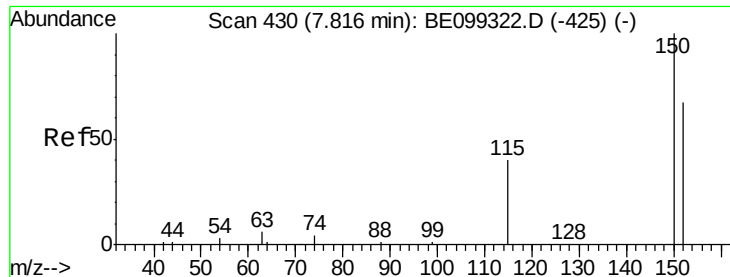
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Instrument :

BNA_E

ClientSampleId :

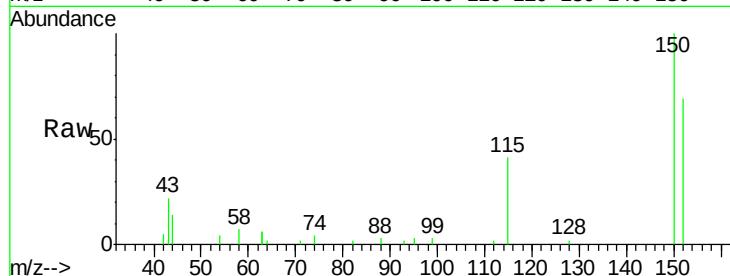
Tot Ion:152 Resp: 4175

Ion Ratio Lower Upper

152 100

150 145.4 119.5 179.3

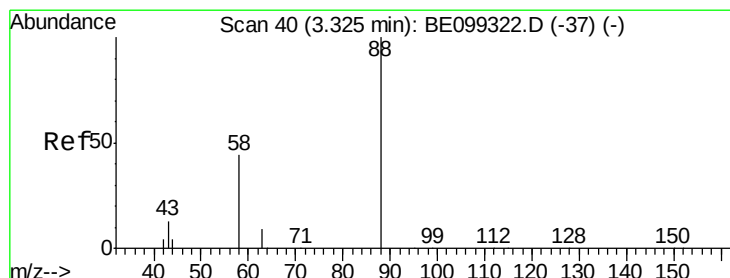
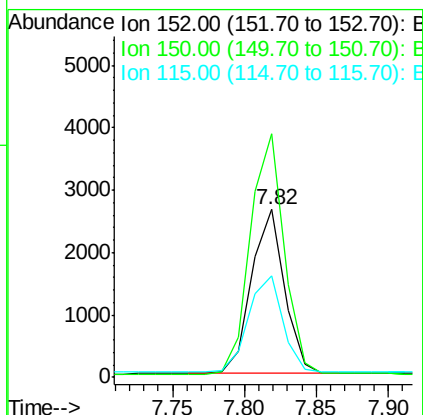
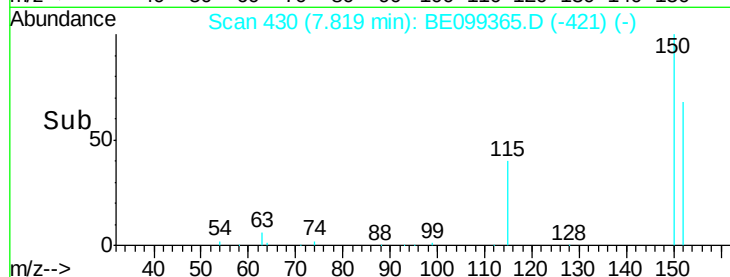
115 60.3 47.5 71.3



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



#2

1,4-Dioxane

Concen: 0.034 ng

RT: 3.30 min Scan# 38

Delta R.T. -0.02 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

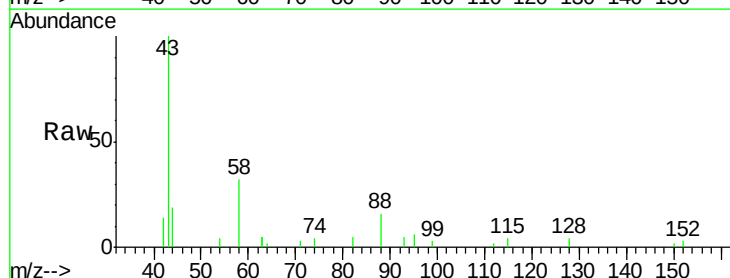
Tgt Ion: 88 Resp: 198

Ion Ratio Lower Upper

88 100

58 62.6 49.1 73.7

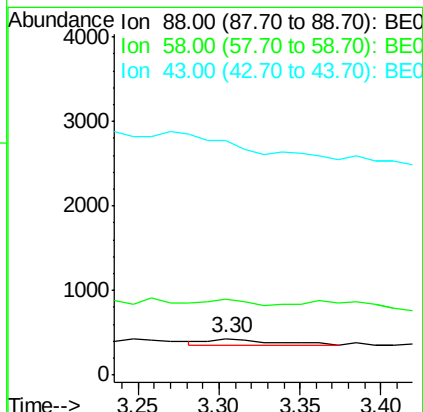
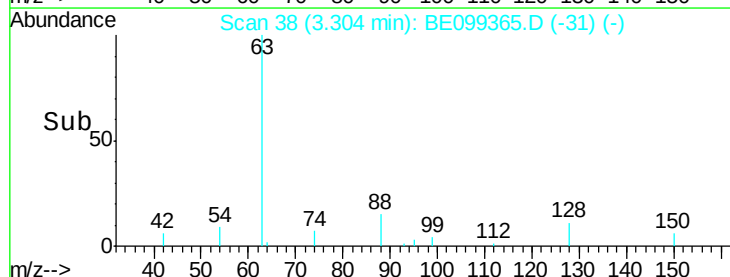
43 0.0 17.9 26.9#

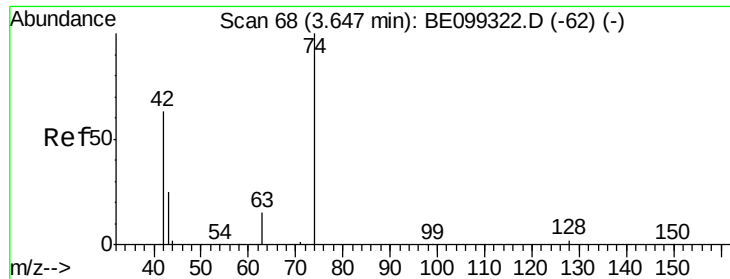


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.759 ng

RT: 3.62 min Scan# 65

Delta R.T. -0.04 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Instrument :

BNA_E

ClientSampleId :

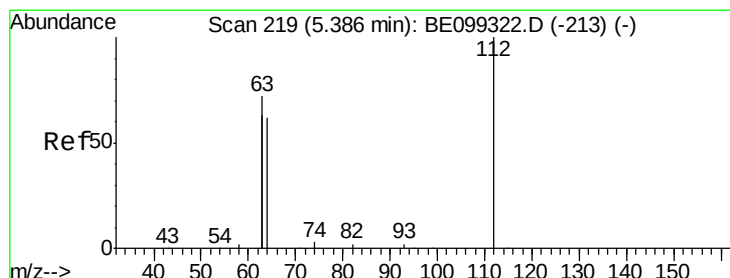
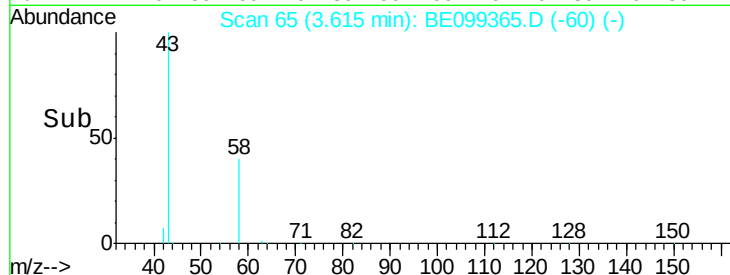
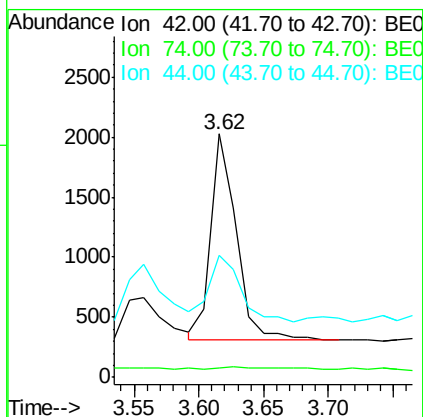
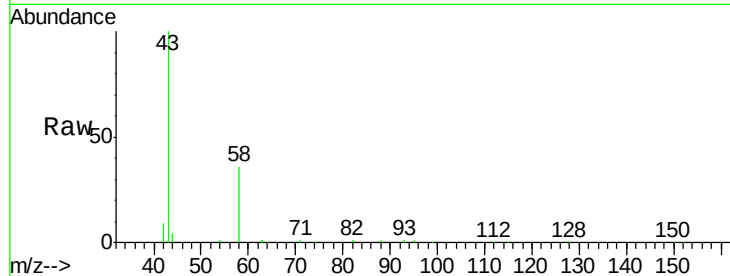
Tot Ion: 42 Resp: 2388

Ion Ratio Lower Upper

42 100

74 2.5 145.8 218.8#

44 39.8 9.0 13.4#



#4

2-Fluorophenol

Concen: 0.287 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

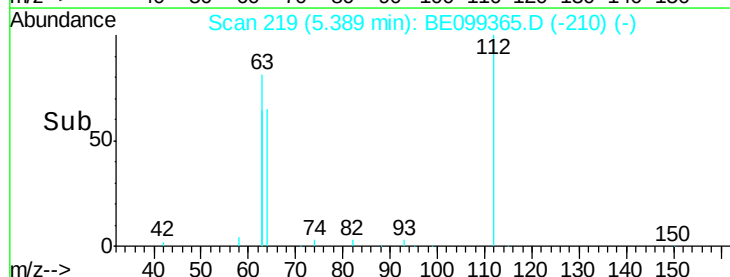
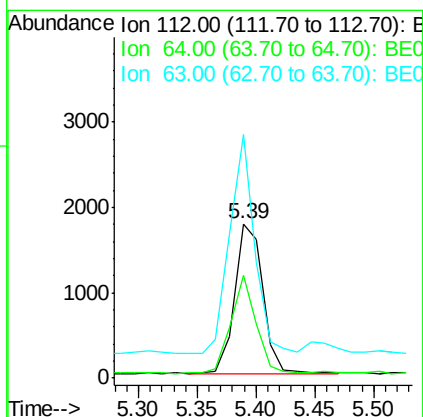
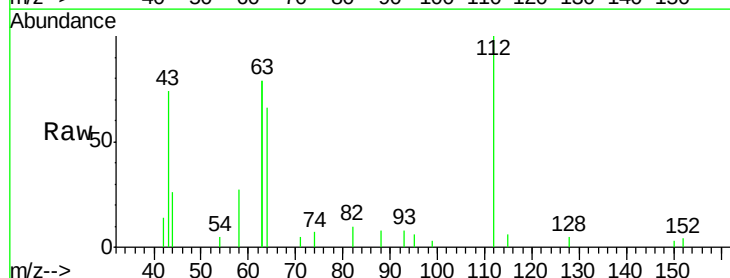
Tgt Ion: 112 Resp: 2924

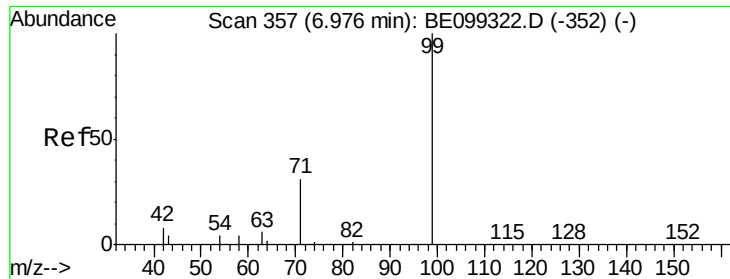
Ion Ratio Lower Upper

112 100

64 57.5 44.9 67.3

63 128.1 97.4 146.0





#5

Phenol-d6

Concen: 0.319 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

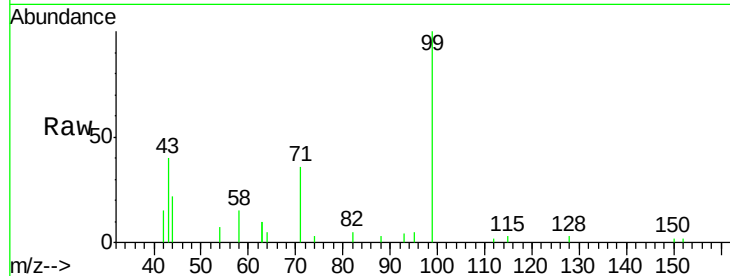
Instrument :

BNA_E

ClientSampleId :

Tot Ion: 99 Resp: 4650

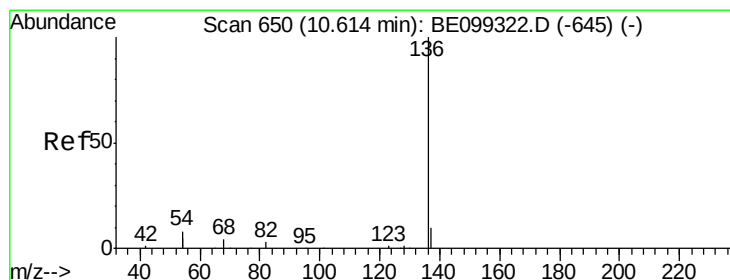
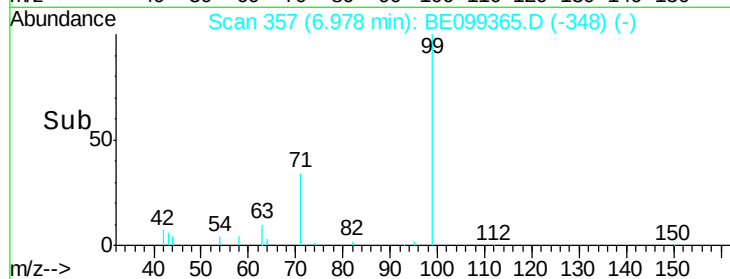
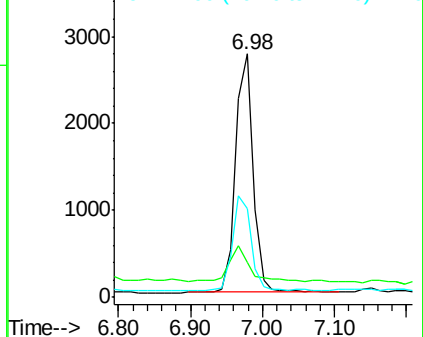
Ion	Ratio	Lower	Upper
99	100		
42	19.3	11.7	17.5#
71	41.8	29.6	44.4



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

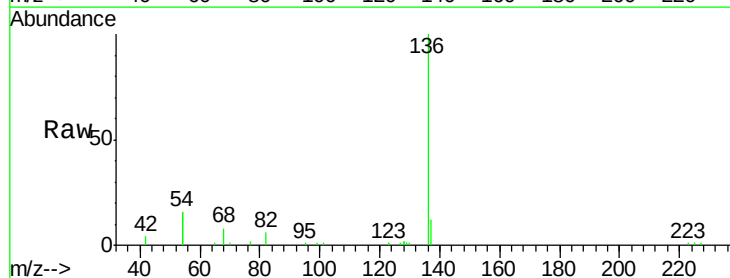
Delta R.T. -0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Tgt Ion: 136 Resp: 16929

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	32.1	23.8	35.8
68	7.6	6.4	9.6

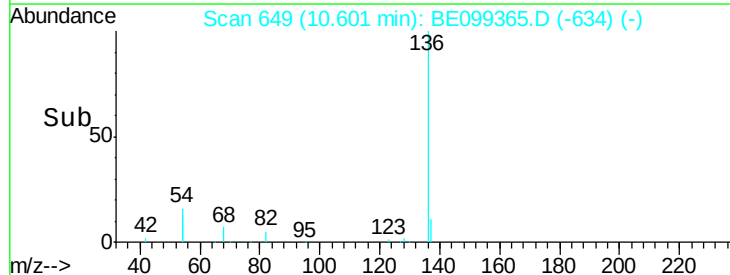
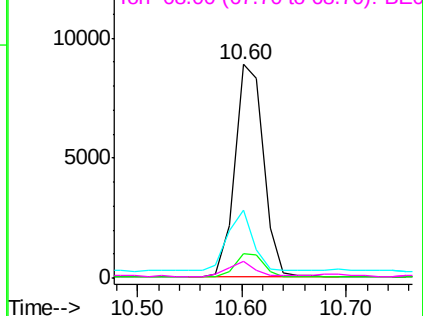


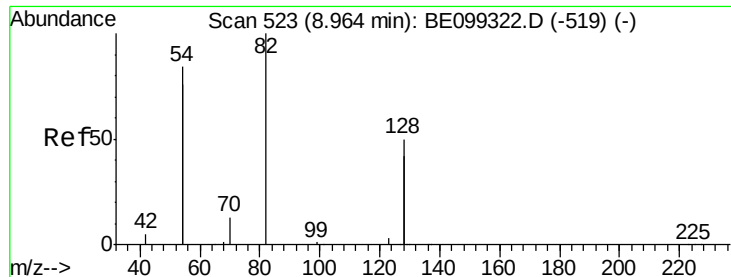
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.276 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Instrument :

BNA_E

ClientSampleId :

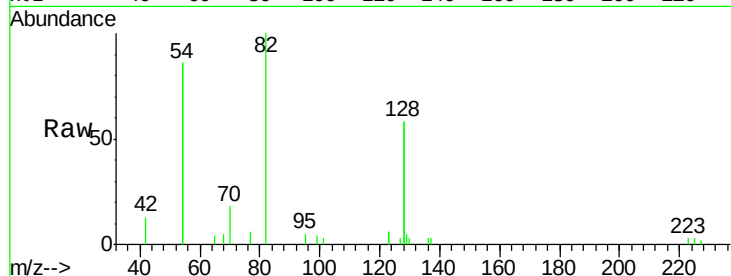
Tot Ion: 82 Resp: 3624

Ion Ratio Lower Upper

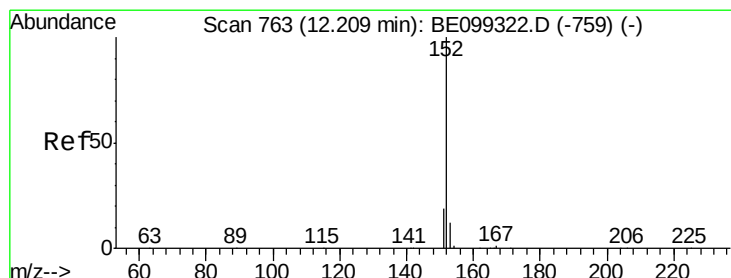
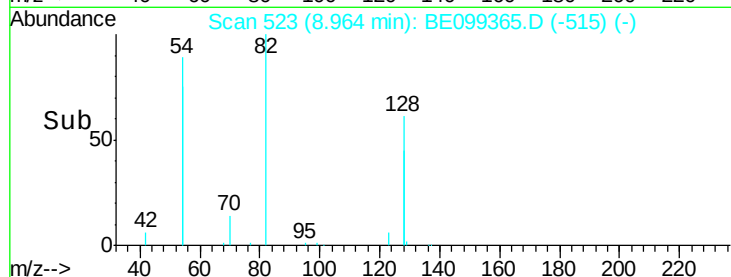
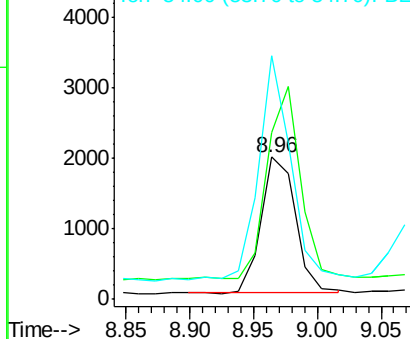
82 100

128 116.8 91.7 137.5

54 171.1 122.8 184.2



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.223 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099365.D

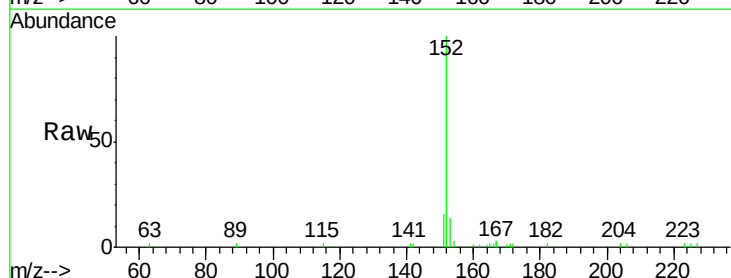
Acq: 25 Apr 2019 17:26

Tgt Ion: 152 Resp: 6675

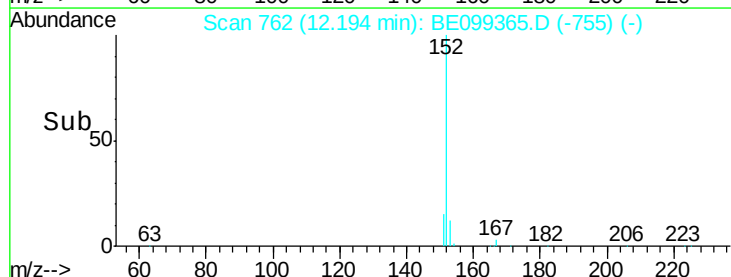
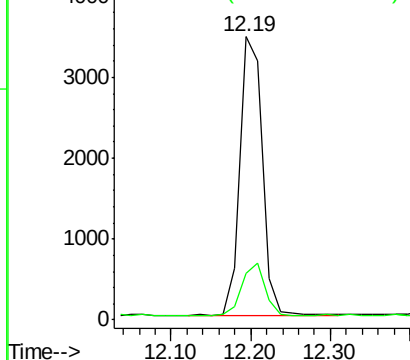
Ion Ratio Lower Upper

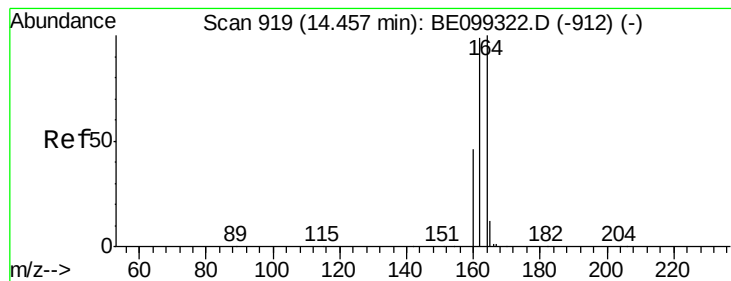
152 100

151 19.1 14.9 22.3



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: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Instrument :

BNA_E

ClientSampleId :

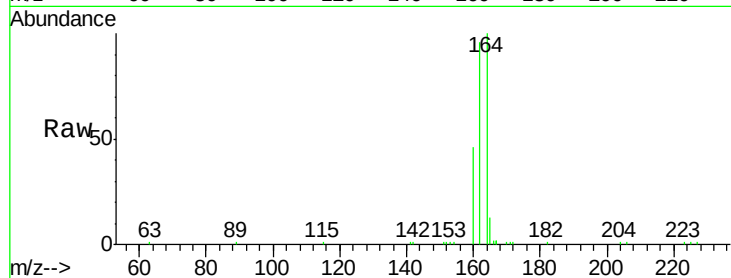
Tot Ion:164 Resp: 12047

Ion Ratio Lower Upper

164 100

162 95.8 77.8 116.6

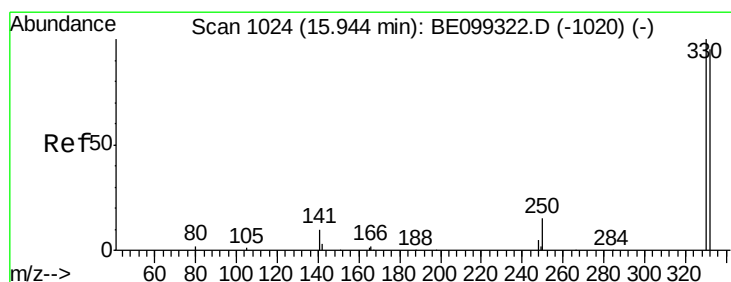
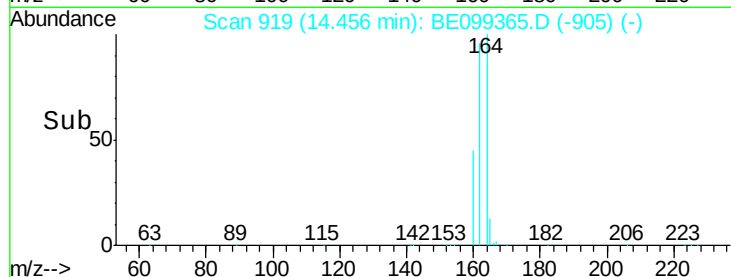
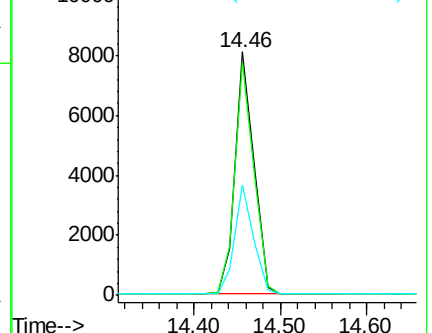
160 45.6 37.1 55.7



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: 0.443 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

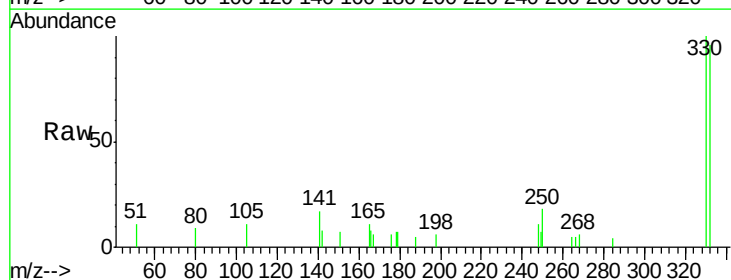
Tgt Ion:330 Resp: 1774

Ion Ratio Lower Upper

330 100

332 94.4 82.5 123.7

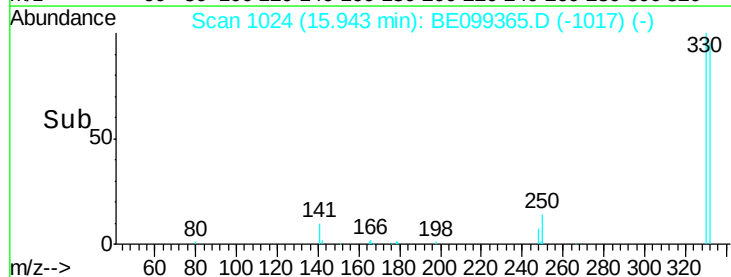
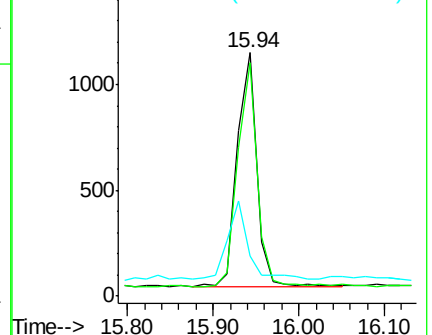
141 34.5 24.9 37.3

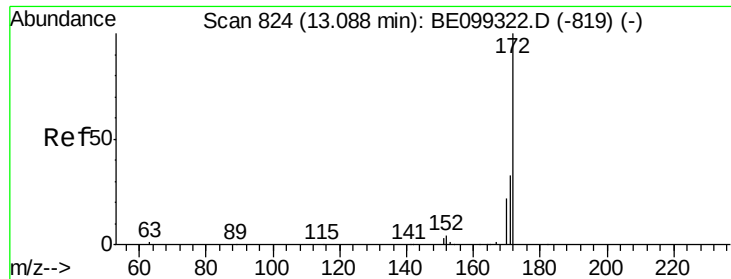


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

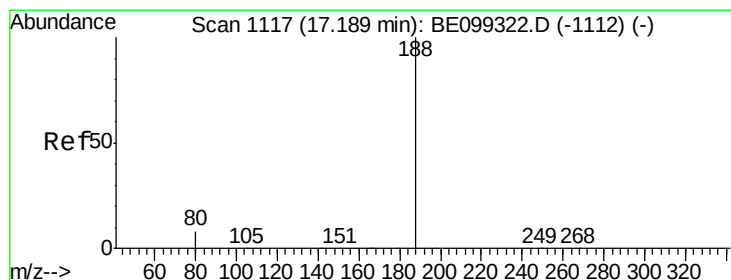
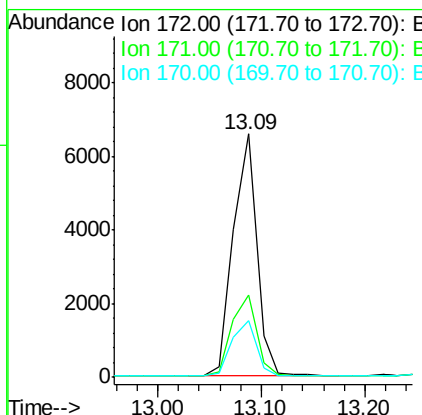
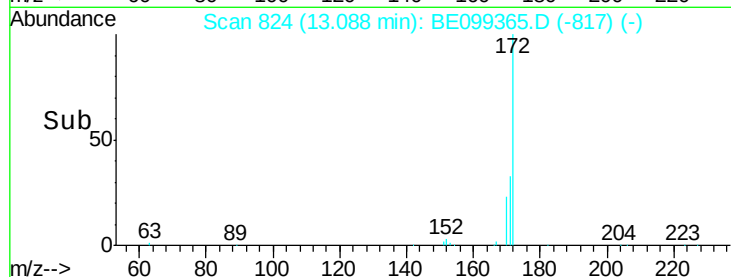
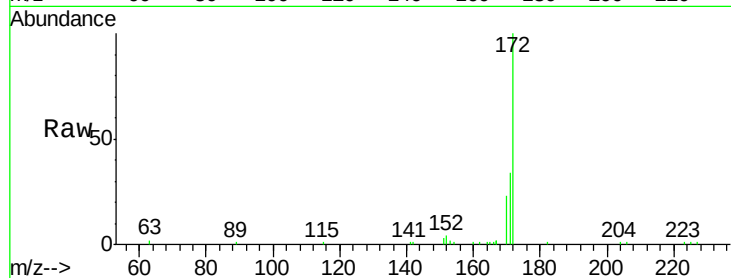




#15
2-Fluorobiphenyl
Concen: 0.218 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099365.D
Acq: 25 Apr 2019 17:26

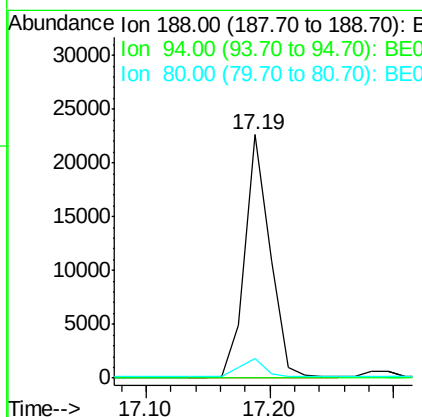
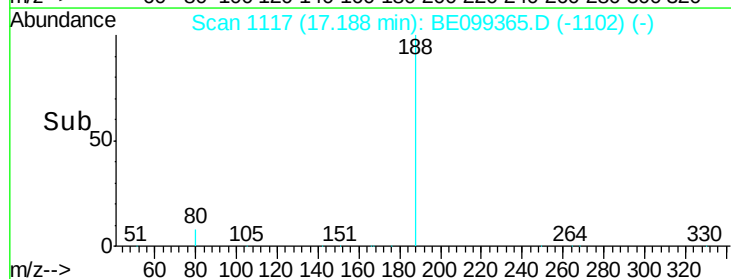
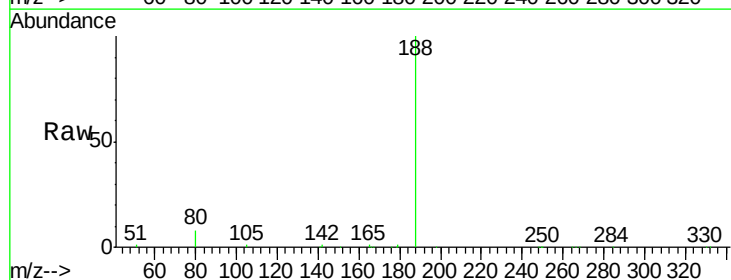
Instrument :
BNA_E
ClientSampleId :

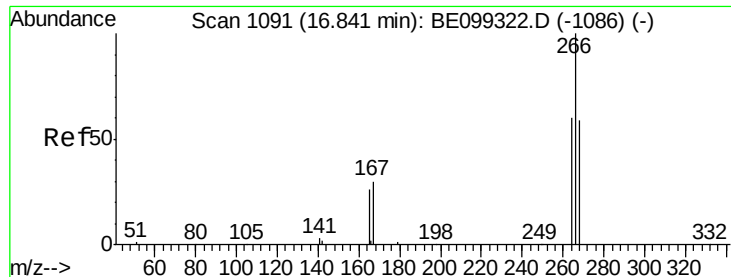
Tot Ion:172 Resp: 10332
Ion Ratio Lower Upper
172 100
171 33.7 26.2 39.2
170 23.2 18.1 27.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099365.D
Acq: 25 Apr 2019 17:26

Tgt Ion:188 Resp: 31763
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.2 6.2 9.4





#22

Pentachlorophenol

Concen: 0.230 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Instrument :

BNA_E

ClientSampleId :

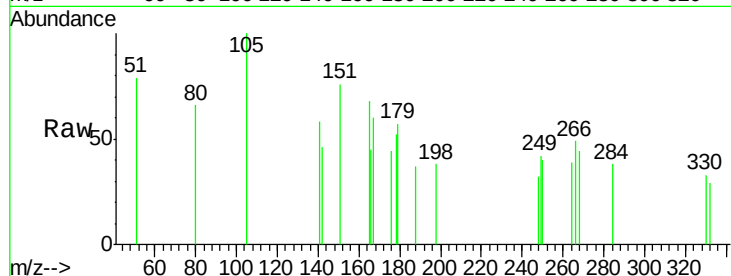
Tot Ion:266 Resp: 67

Ion Ratio Lower Upper

266 100

264 78.8 54.5 81.7

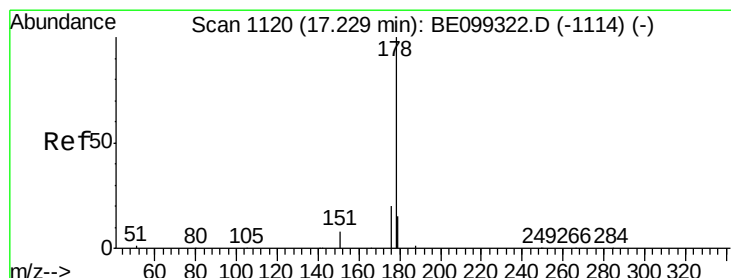
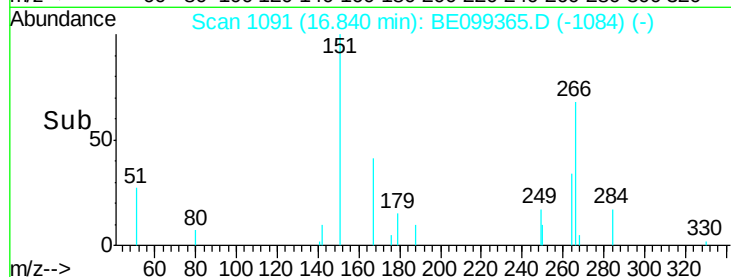
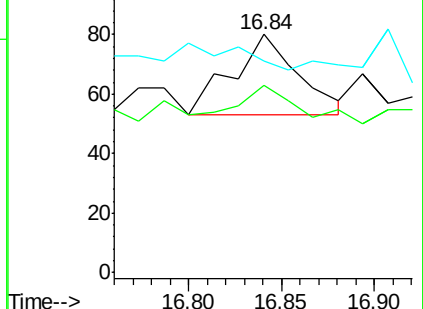
268 88.8 54.3 81.5#



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: 0.050 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

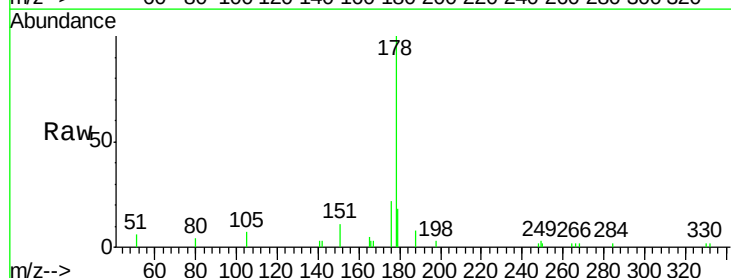
Tgt Ion:178 Resp: 4186

Ion Ratio Lower Upper

178 100

176 21.7 15.3 22.9

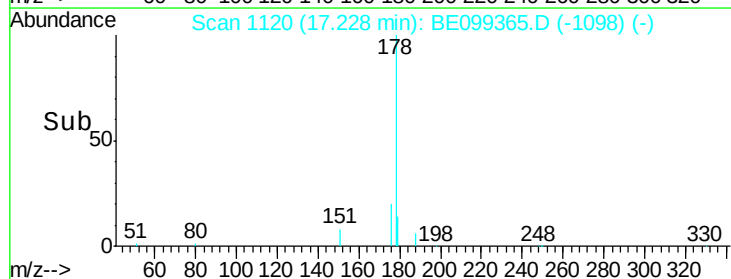
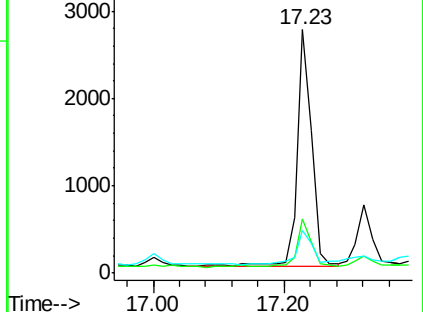
179 16.9 12.4 18.6

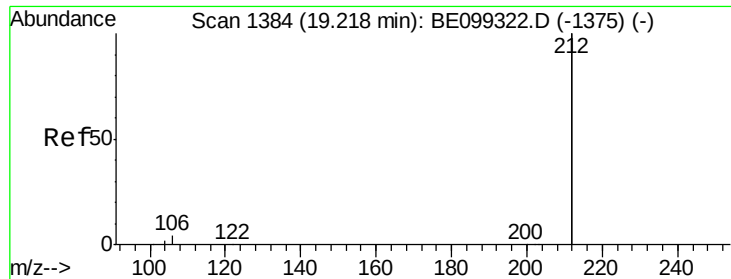


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.210 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Instrument :

BNA_E

ClientSampleId :

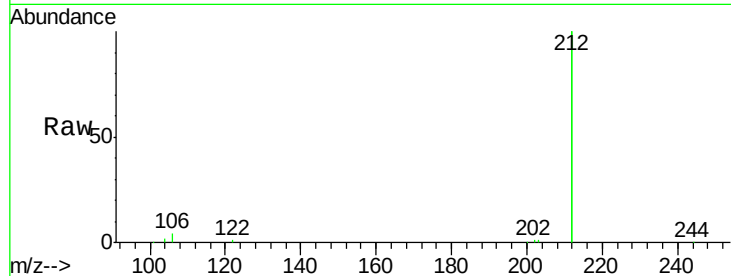
Tot Ion:212 Resp: 80193

Ion Ratio Lower Upper

212 100

106 2.0 1.8 2.6

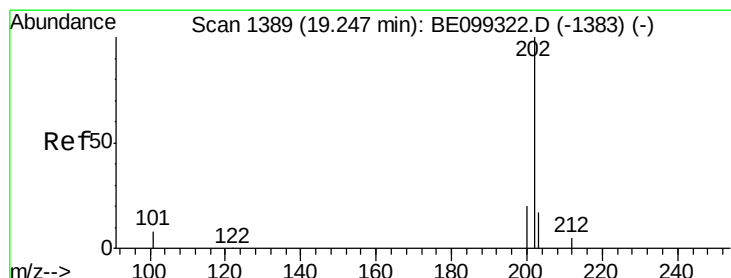
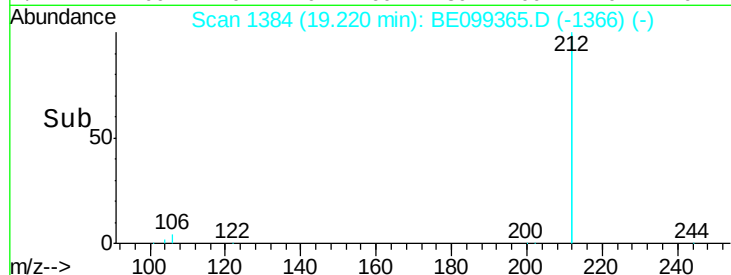
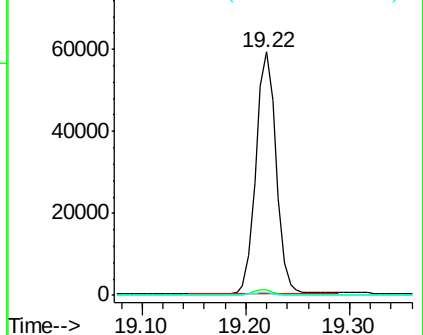
104 1.2 1.0 1.4



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: 0.096 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

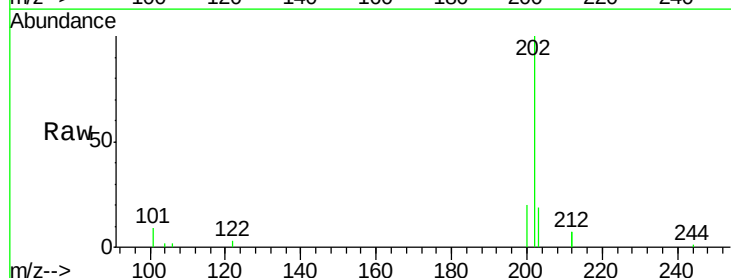
Tgt Ion:202 Resp: 10863

Ion Ratio Lower Upper

202 100

101 8.8 6.4 9.6

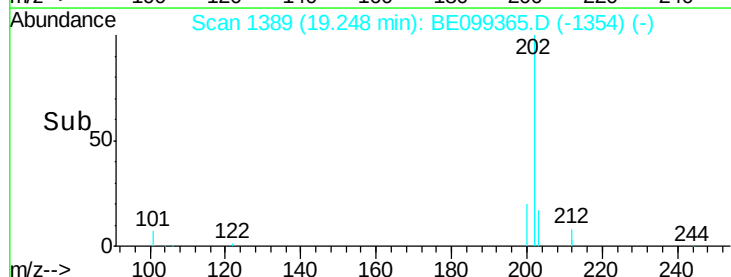
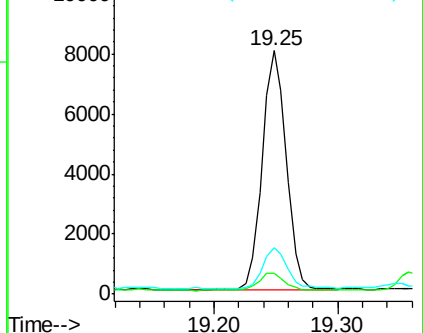
203 17.5 13.5 20.3

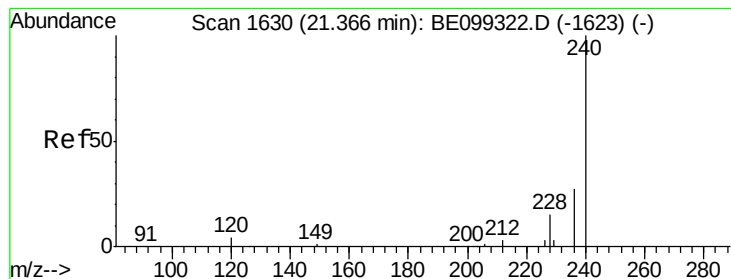


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.36 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Instrument :

BNA_E

ClientSampleId :

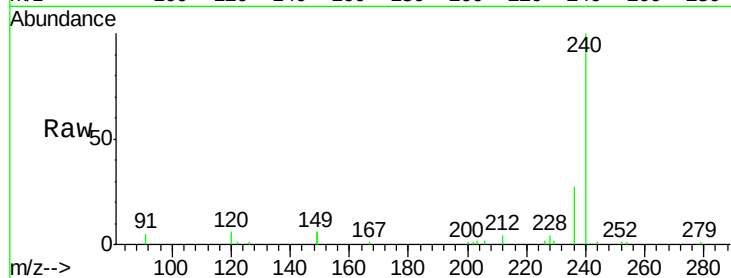
Tot Ion:240 Resp: 34275

Ion Ratio Lower Upper

240 100

120 5.5 2.2 3.2#

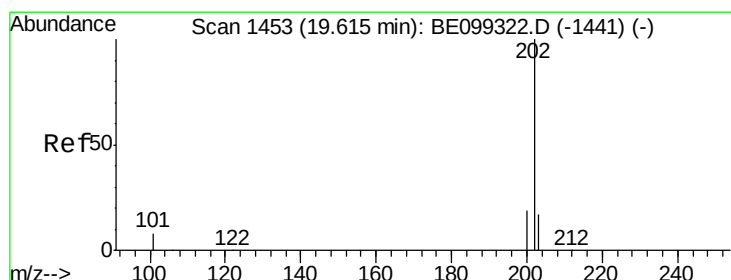
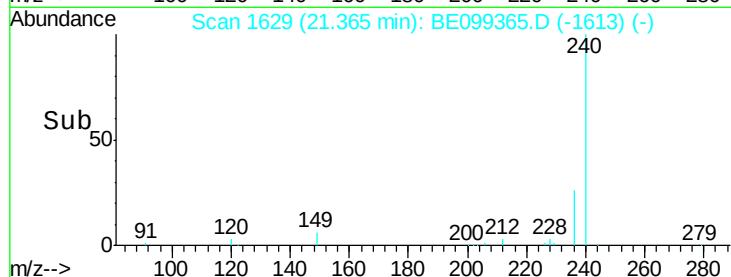
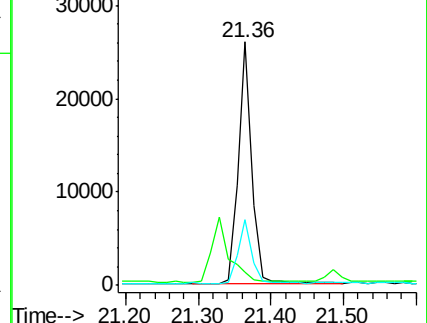
236 27.0 20.2 30.4



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: 0.098 ng

RT: 19.61 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

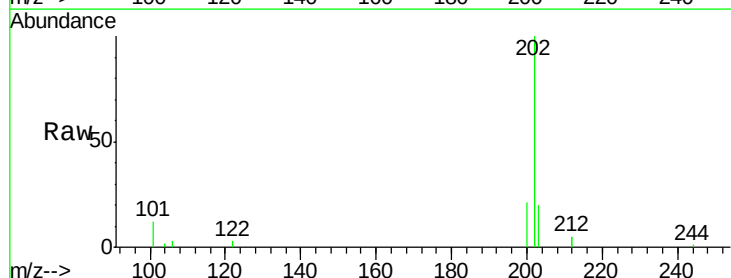
Tgt Ion:202 Resp: 9908

Ion Ratio Lower Upper

202 100

200 21.1 15.7 23.5

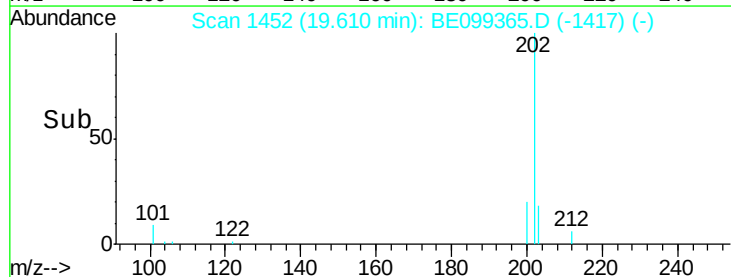
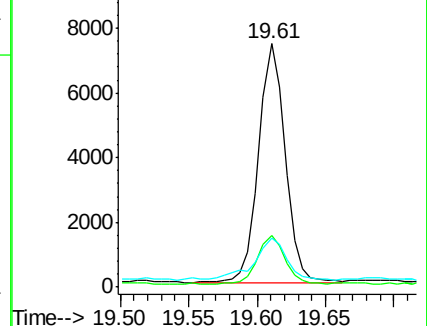
203 20.6 13.7 20.5#

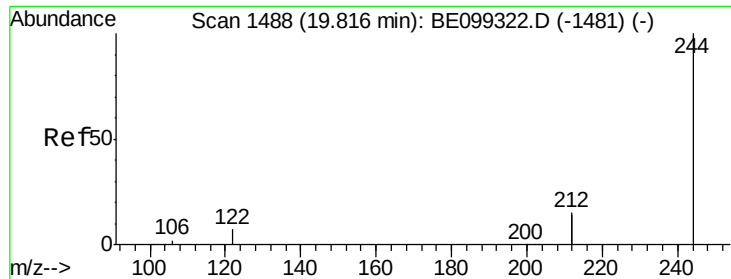


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.235 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Instrument :

BNA_E

ClientSampleId :

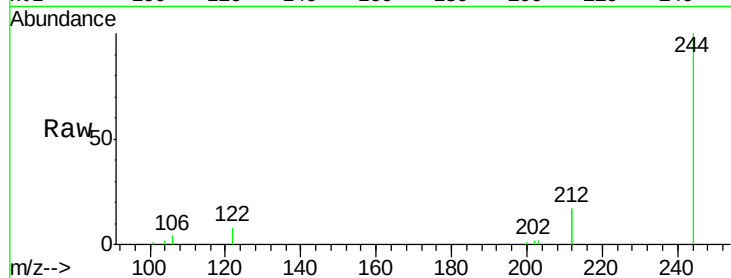
Tot Ion:244 Resp: 15838

Ion Ratio Lower Upper

244 100

212 33.6 22.6 33.8

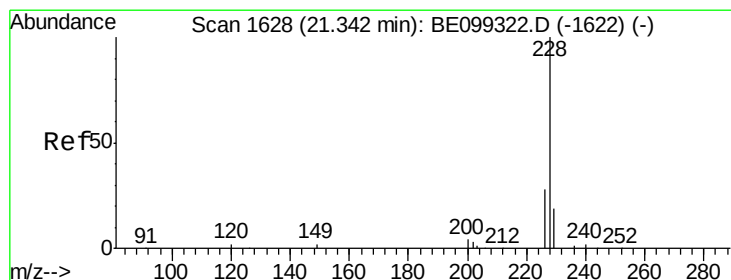
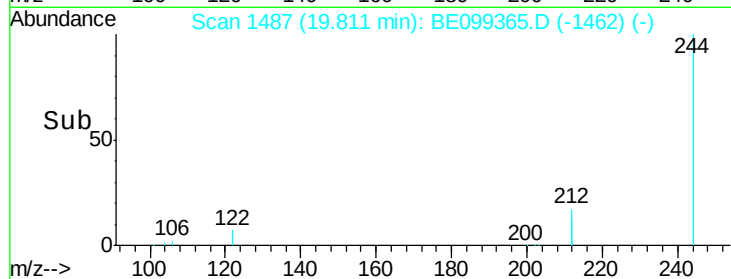
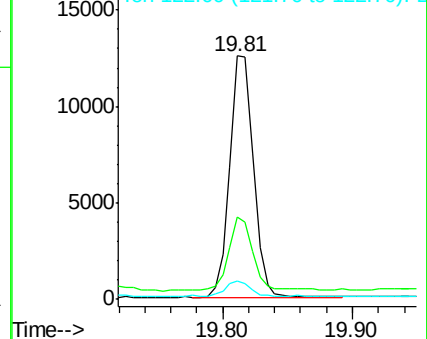
122 7.8 4.6 7.0#



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: 0.051 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

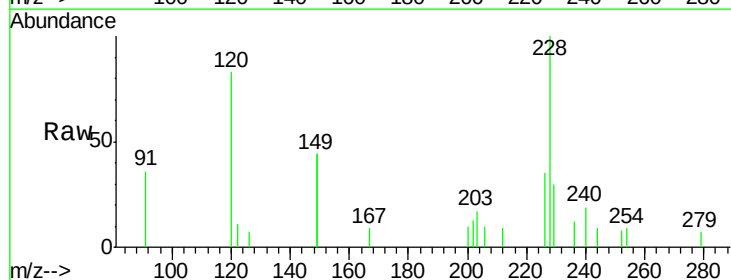
Tgt Ion:228 Resp: 5171

Ion Ratio Lower Upper

228 100

226 35.2 22.0 33.0#

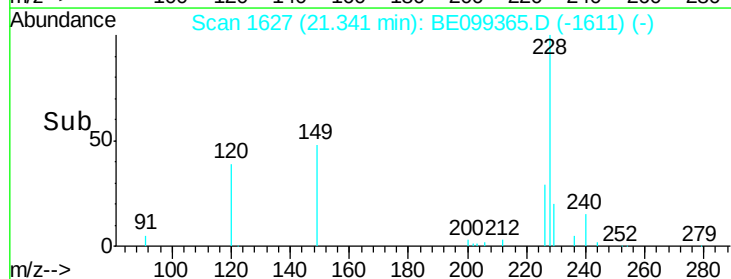
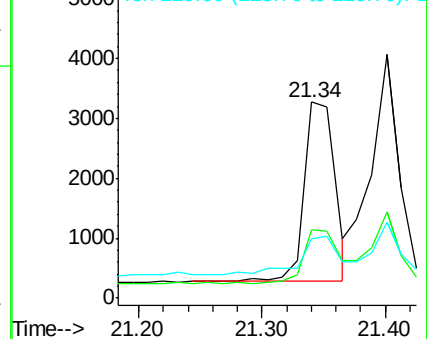
229 30.0 15.8 23.8#

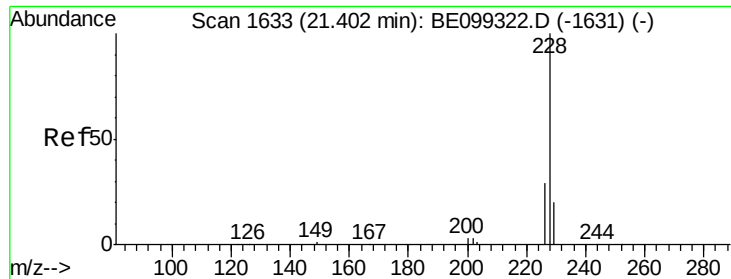


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.056 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Instrument :

BNA_E

ClientSampleId :

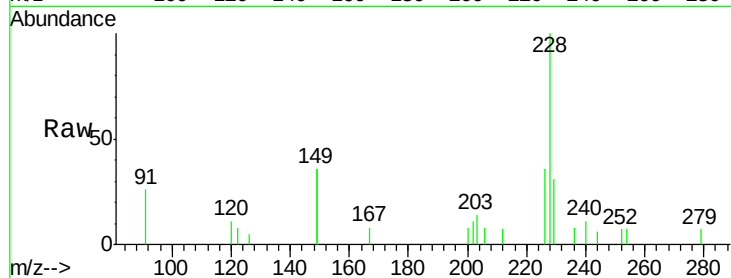
Tot Ion:228 Resp: 5959

Ion Ratio Lower Upper

228 100

226 35.5 23.4 35.2#

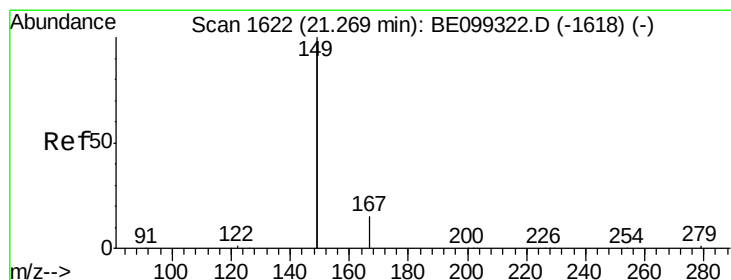
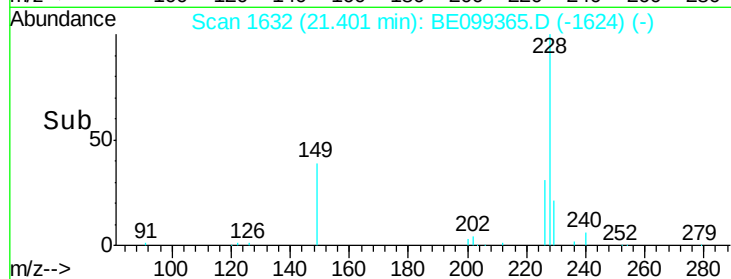
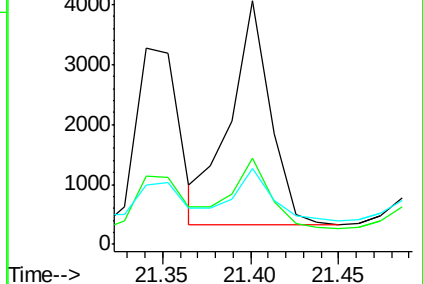
229 31.1 16.2 24.2#



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: 0.541 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

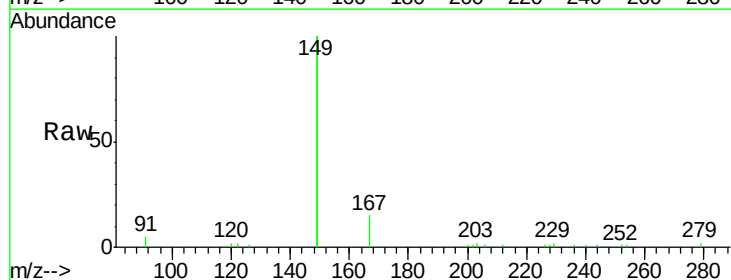
Tgt Ion:149 Resp: 49613

Ion Ratio Lower Upper

149 100

167 7.3 6.0 9.0

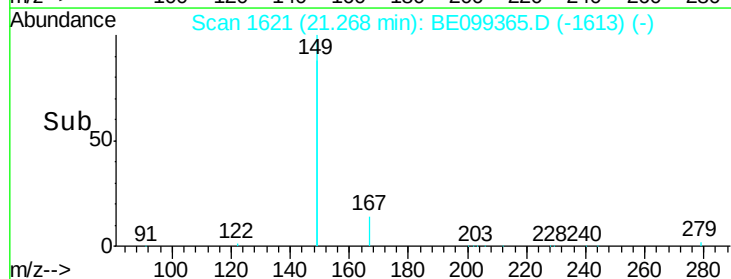
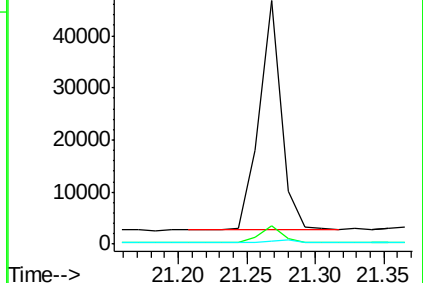
279 1.8 1.1 1.7#

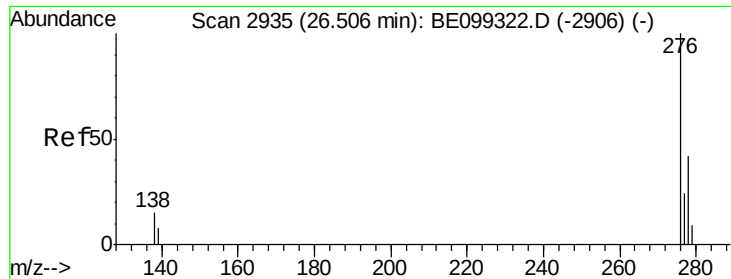


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.036 ng

RT: 26.51 min Scan# 2934

Delta R.T. 0.01 min

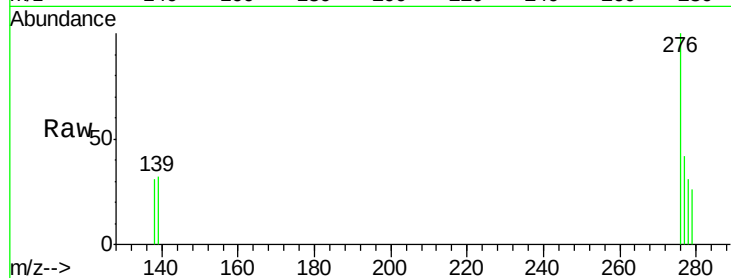
Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Instrument :

BNA_E

ClientSampleId :



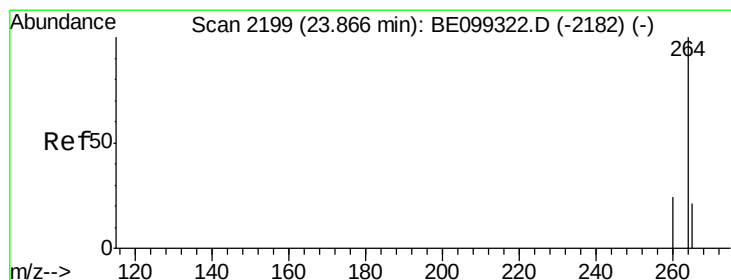
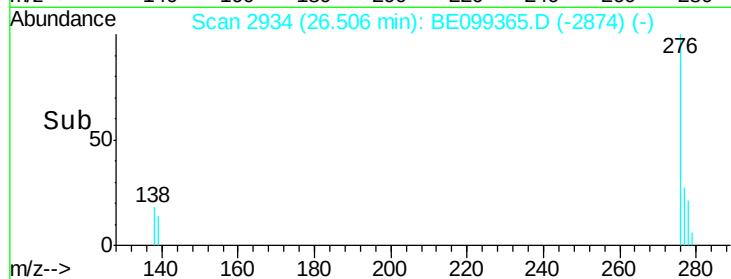
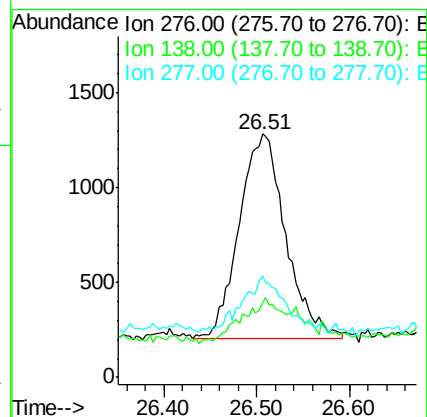
Tot Ion:276 Resp: 3781

Ion Ratio Lower Upper

276 100

138 18.3 12.7 19.1

277 17.5 19.6 29.4#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

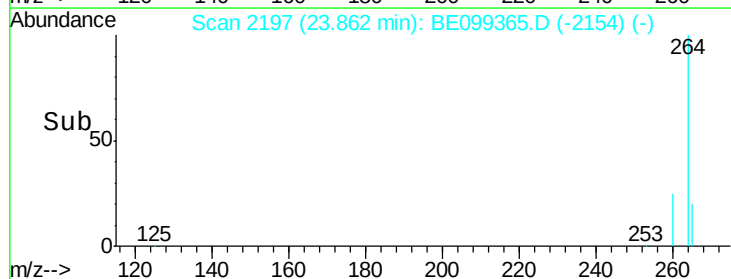
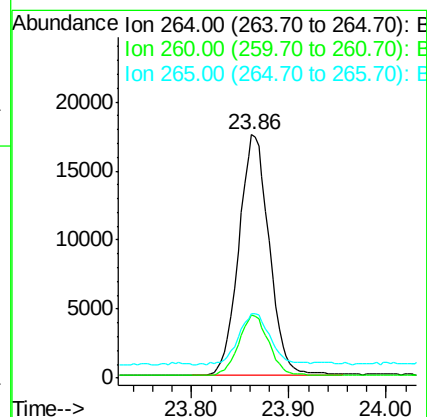
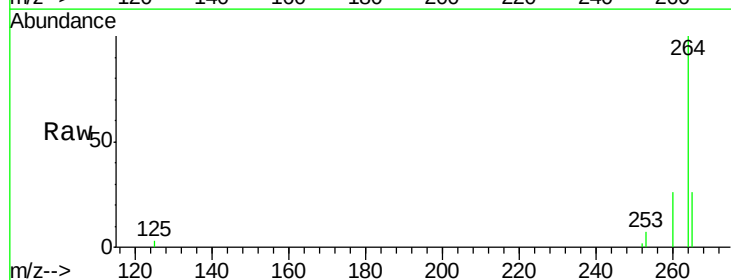
Tgt Ion:264 Resp: 38084

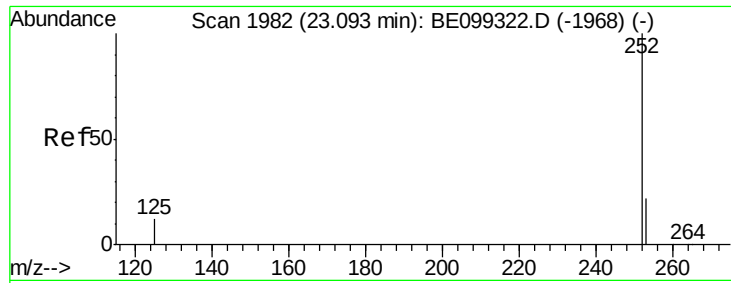
Ion Ratio Lower Upper

264 100

260 25.9 20.1 30.1

265 26.2 19.9 29.9

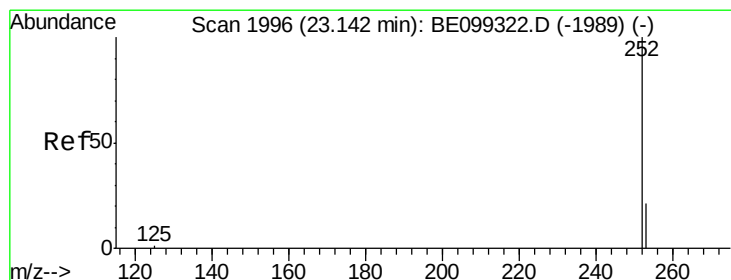
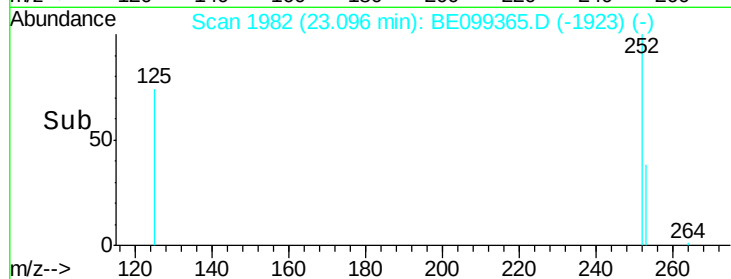
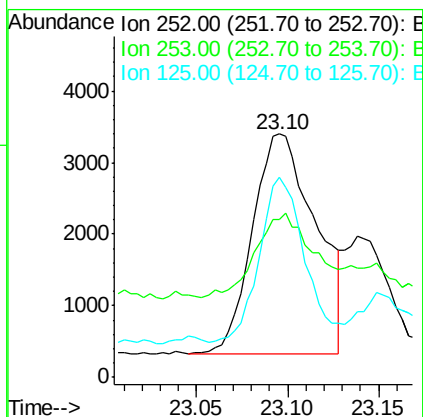
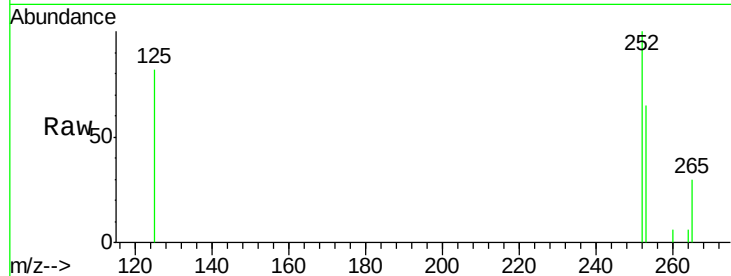




#35
Benzo(b)fluoranthene
Concen: 0.064 ng
RT: 23.10 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BE099365.D
Acq: 25 Apr 2019 17:26

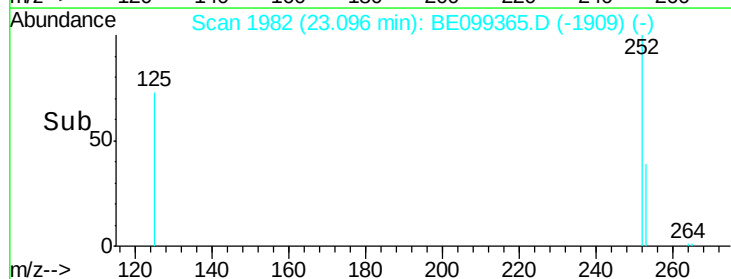
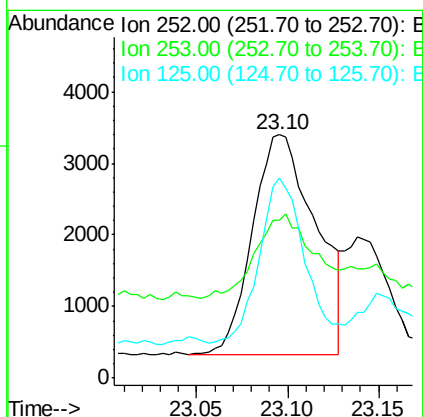
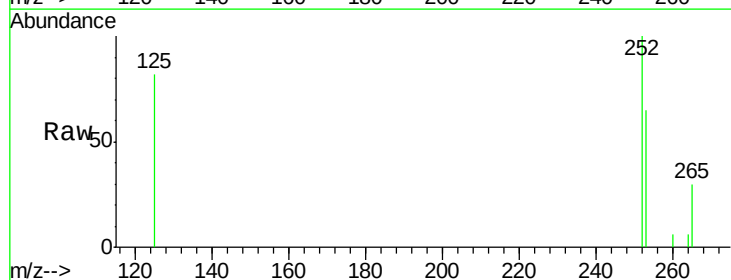
Instrument :
BNA_E
ClientSampleId :

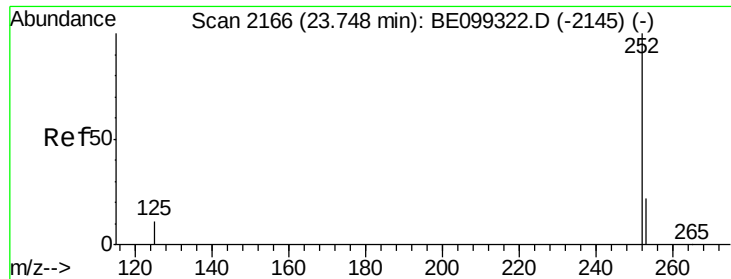
Tot Ion:252 Resp: 7481
Ion Ratio Lower Upper
252 100
253 64.9 17.3 25.9#
125 82.0 5.8 8.6#



#36
Benzo(k)fluoranthene
Concen: 0.064 ng
RT: 23.10 min Scan# 1982
Delta R.T. -0.04 min
Lab File: BE099365.D
Acq: 25 Apr 2019 17:26

Tgt Ion:252 Resp: 7481
Ion Ratio Lower Upper
252 100
253 64.9 18.4 27.6#
125 82.0 5.4 8.0#





#37

Benzo(a)pyrene

Concen: 0.051 ng

RT: 23.75 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

Instrument :

BNA_E

ClientSampleId :

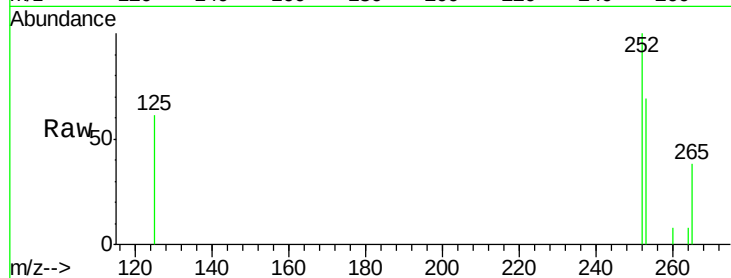
Tot Ion:252 Resp: 5281

Ion Ratio Lower Upper

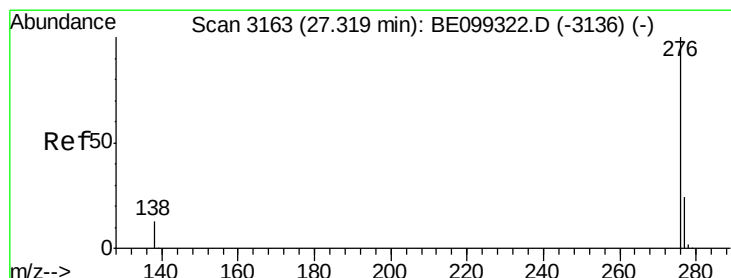
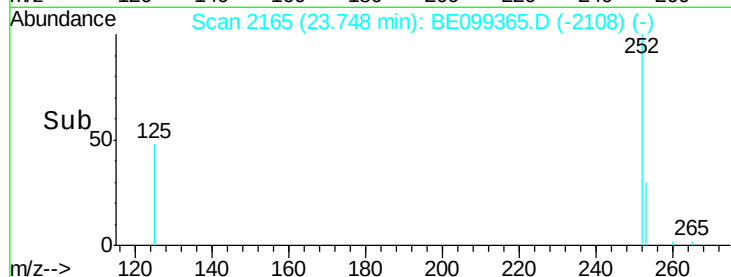
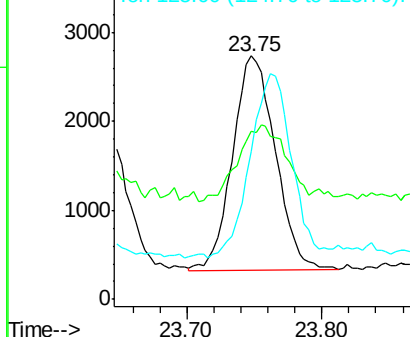
252 100

253 69.0 17.6 26.4#

125 60.8 6.5 9.7#



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: 0.031 ng

RT: 27.32 min Scan# 3163

Delta R.T. 0.02 min

Lab File: BE099365.D

Acq: 25 Apr 2019 17:26

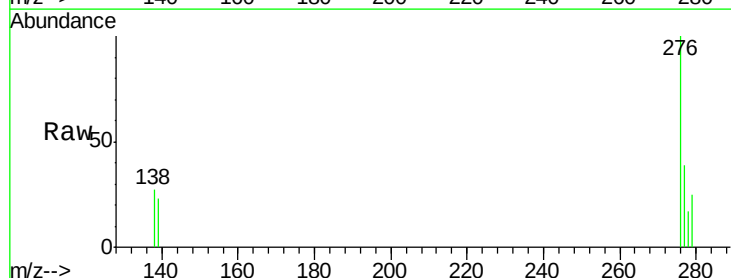
Tgt Ion:276 Resp: 3377

Ion Ratio Lower Upper

276 100

277 38.7 20.0 30.0#

138 27.1 11.1 16.7#



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

