

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115616.D
 Acq On : 16 Jul 2019 23:44
 Operator : HP/JU
 Sample : K3740-04RE 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 17 03:57:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	164974	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	624391	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	248780	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	454589	20.00	ng	0.00
76) Chrysene-d12	14.06	240	325512	20.00	ng	0.00
87) Perylene-d12	15.53	264	276074	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	482346	47.82	ng	0.00
7) Phenol-d6	6.51	99	641540	50.13	ng	0.00
23) Nitrobenzene-d5	7.44	82	362018	33.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	101537	34.97	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	725765	51.06	ng	-0.01
79) Terphenyl-d14	12.99	244	663484	37.61	ng	0.00

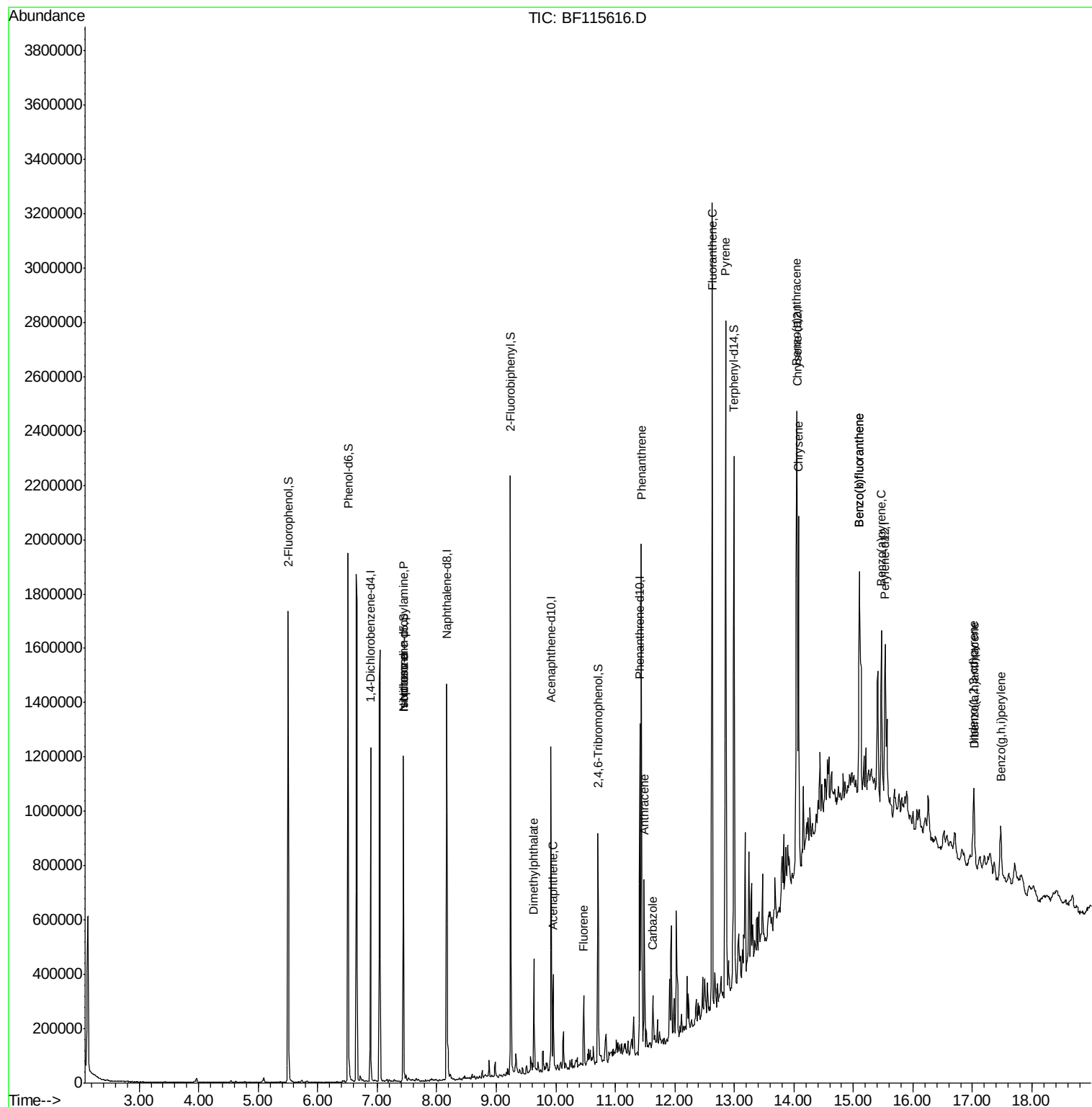
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	47273	5.664	ng	# 79
25) Isophorone	7.44	82	353757	16.464	ng	# 64
50) Dimethylphthalate	9.63	163	160452	8.572	ng	97
52) Acenaphthene	9.96	154	66385	4.285	ng	99
58) Fluorene	10.47	166	68351	4.346	ng	100
71) Phenanthrene	11.44	178	729113	31.290	ng	96
72) Anthracene	11.49	178	224883	9.338	ng	97
73) Carbazole	11.63	167	78539	3.719	ng	97
75) Fluoranthene	12.63	202	1184265	48.094	ng	99
78) Pyrene	12.86	202	1068903	38.758	ng	98
81) Benzo(a)anthracene	14.04	228	561516	26.184	ng	98
83) Chrysene	14.08	228	470760	21.868	ng	96
86) Indeno(1,2,3-cd)pyrene	17.02	276	190141	10.396	ng	94
88) Benzo(b)fluoranthene	15.10	252	691196	38.882	ng	96
89) Benzo(k)fluoranthene	15.10	252	691196	43.611	ng	97
90) Benzo(a)pyrene	15.47	252	342511	22.417	ng	97
91) Dibenzo(a,h)anthracene	17.03	278	48720	3.632	ng	# 79
92) Benzo(g,h,i)perylene	17.47	276	180180	13.469	ng	98

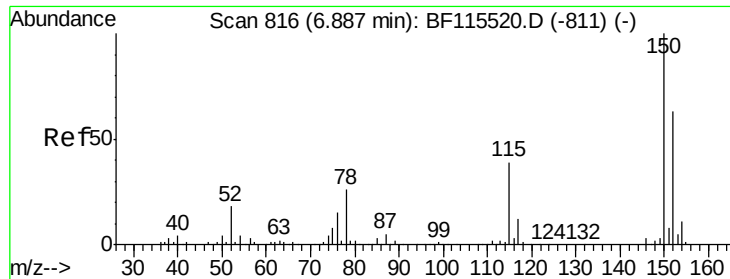
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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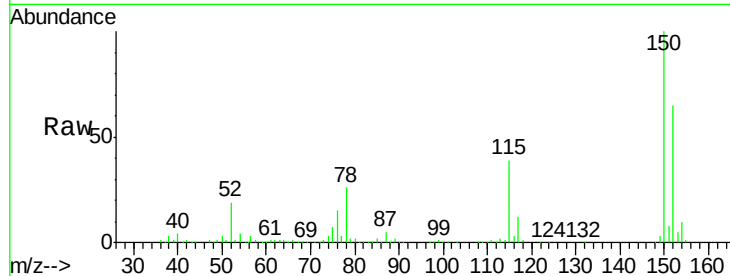


#1

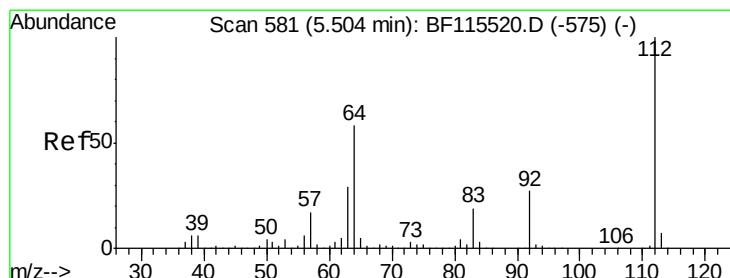
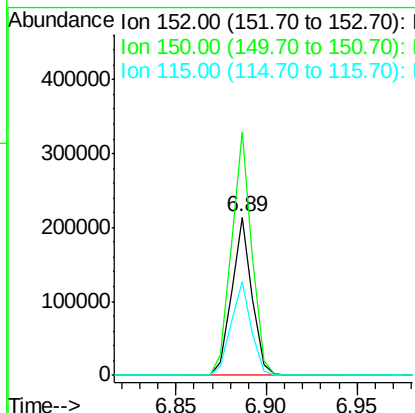
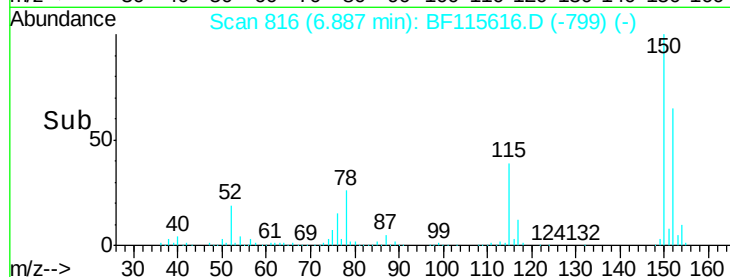
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 164974
Ion Ratio Lower Upper
152 100
150 153.9 129.7 194.5
115 59.5 48.2 72.4



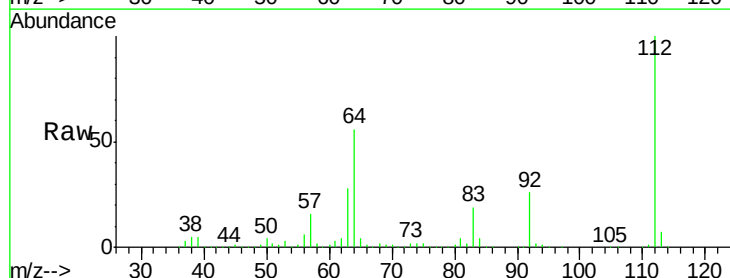
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



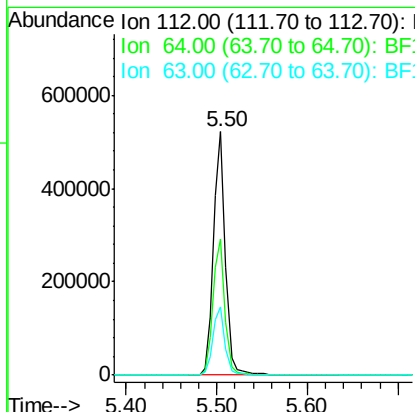
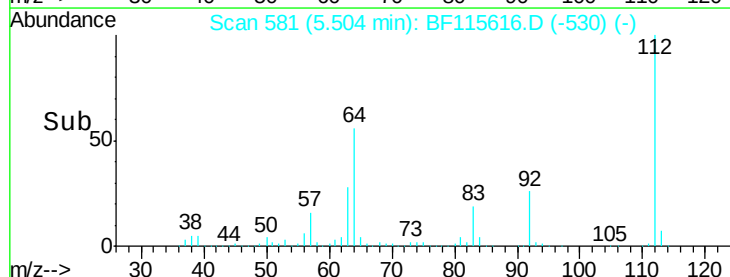
#5

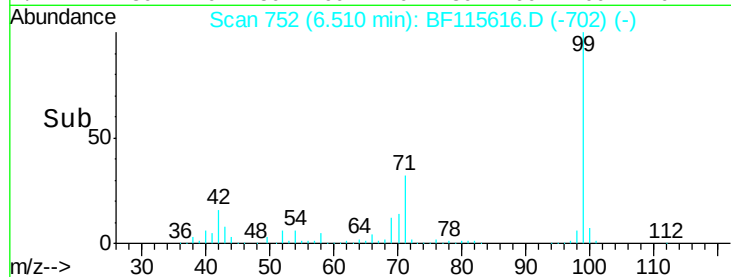
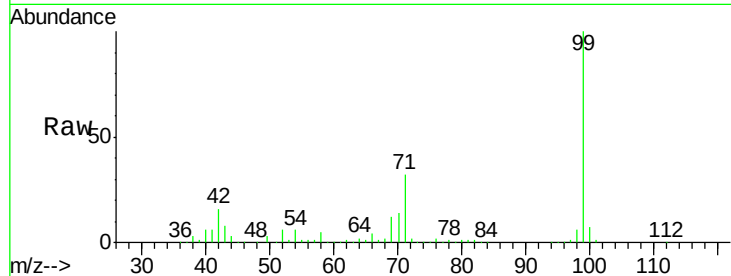
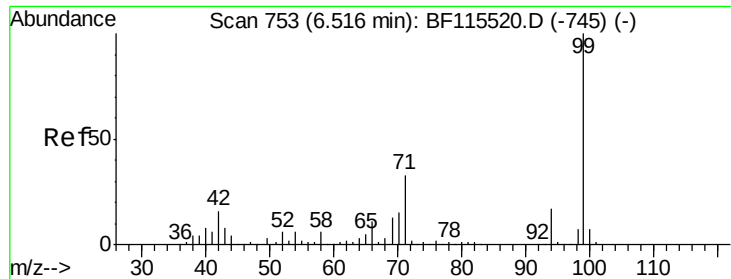
2-Fluorophenol
Concen: 47.824 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

Tgt Ion:112 Resp: 482346
Ion Ratio Lower Upper
112 100
64 55.7 46.8 70.2
63 28.1 24.1 36.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 50.129 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

Instrument :

BNA_F

ClientSampleId :

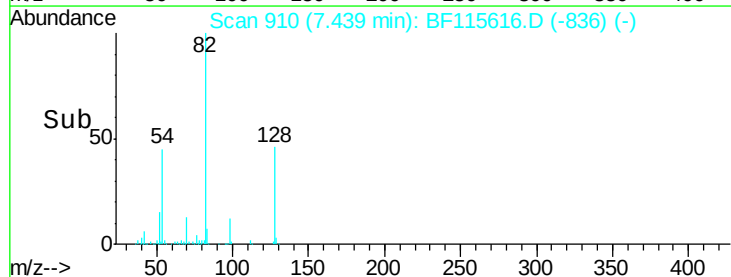
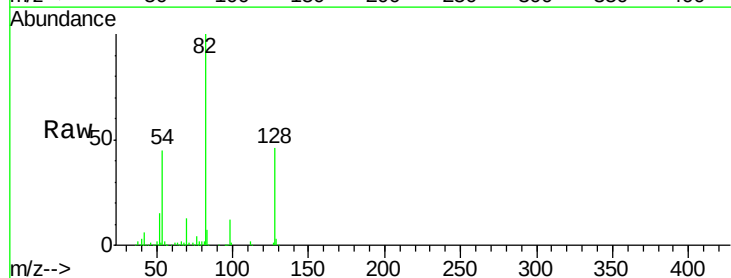
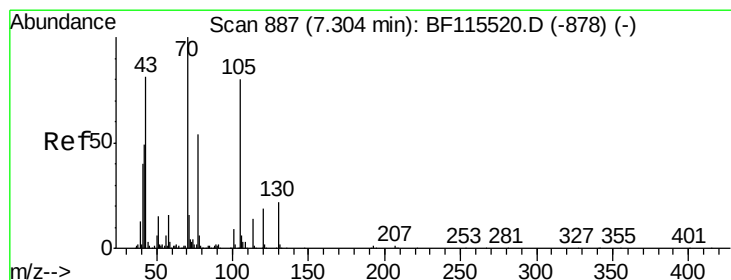
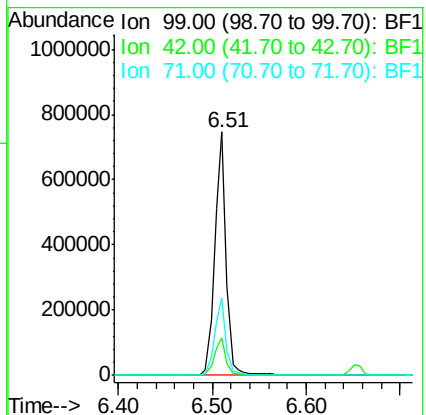
Tot Ion: 99 Resp: 641540

Ion Ratio Lower Upper

99 100

42 15.7 13.6 20.4

71 31.9 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 5.664 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

Tgt Ion: 70 Resp: 47273

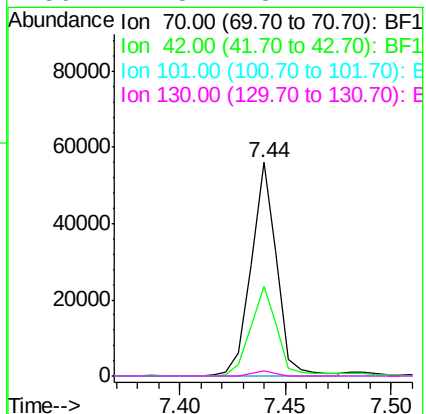
Ion Ratio Lower Upper

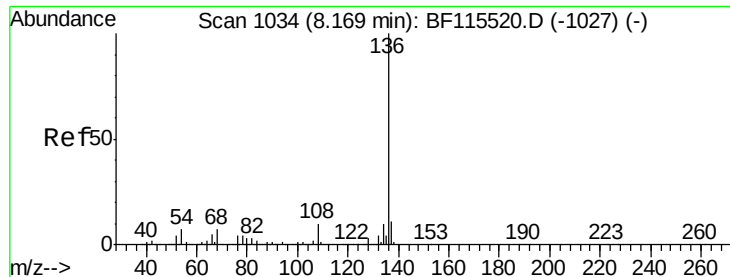
70 100

42 42.2 39.6 59.4

101 0.0 8.1 12.1#

130 2.3 18.2 27.2#

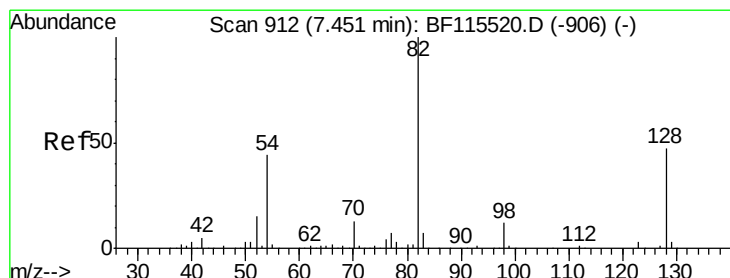
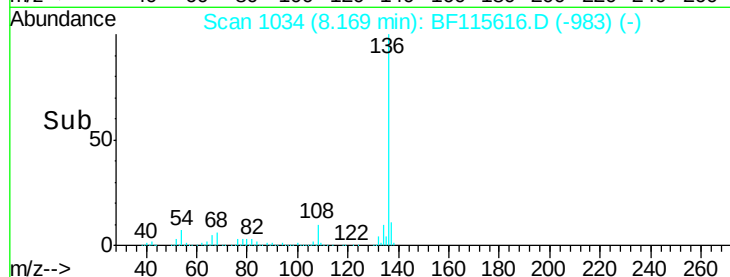
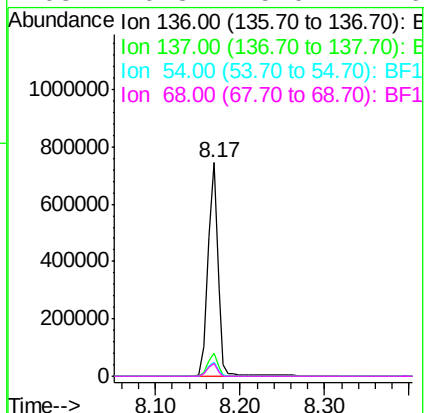
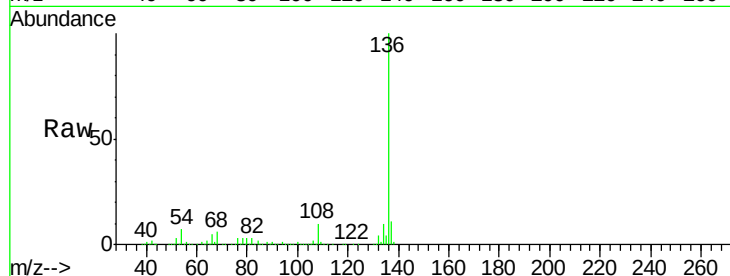




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

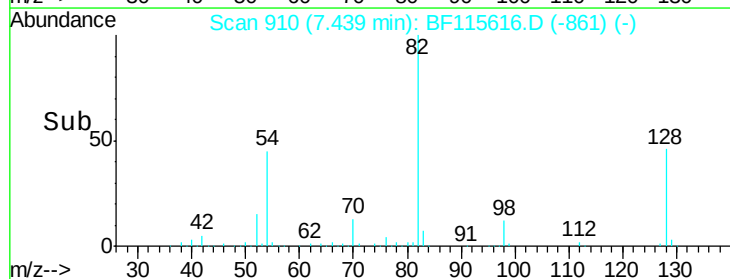
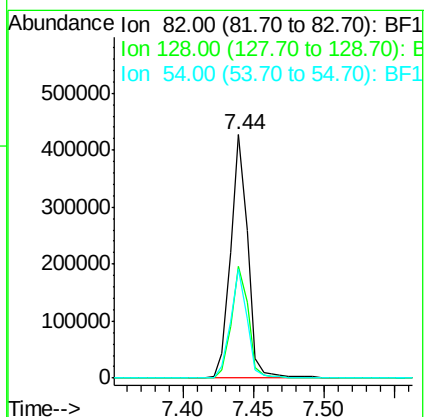
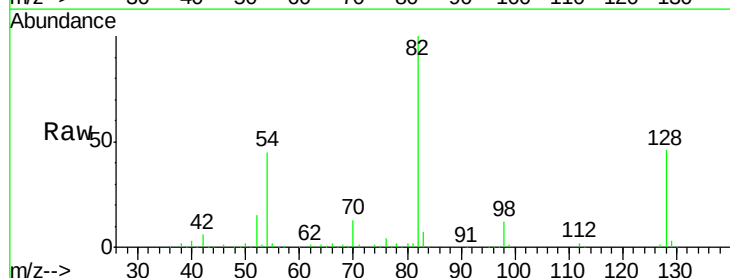
Instrument :
BNA_F
ClientSampleId :

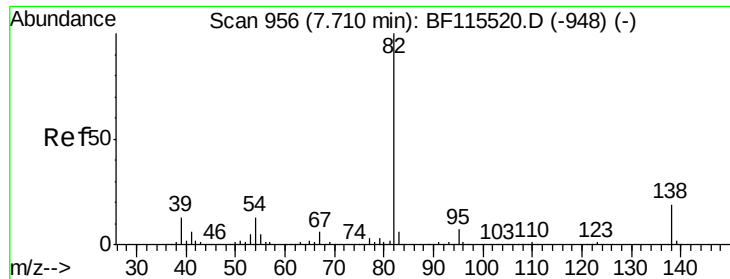
Tot Ion:136	Resp: 624391
Ion Ratio	Lower Upper
136 100	
137 11.0	9.0 13.4
54 6.6	5.6 8.4
68 6.3	5.0 7.6



#23
Nitrobenzene-d5
Concen: 33.713 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

Tgt Ion: 82	Resp: 362018
Ion Ratio	Lower Upper
82 100	
128 45.8	38.6 57.8
54 44.7	35.6 53.4





#25

Isophorone

Concen: 16.464 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

Instrument :

BNA_F

ClientSampleId :

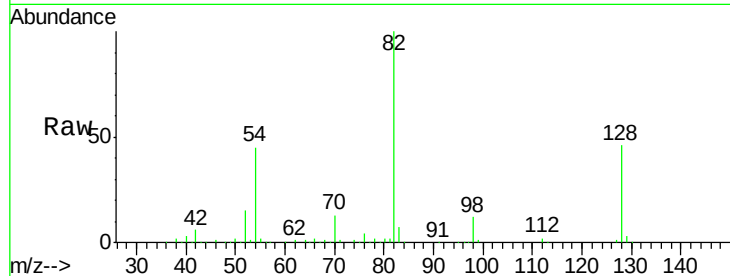
Tot Ion: 82 Resp: 353757

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

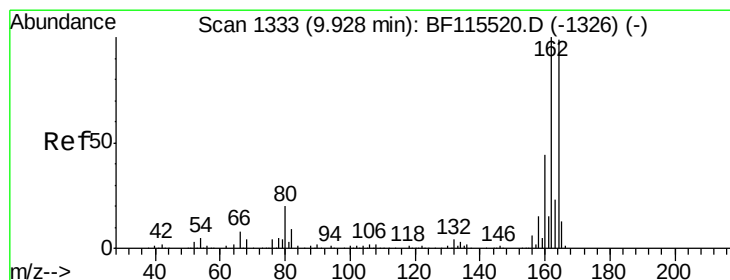
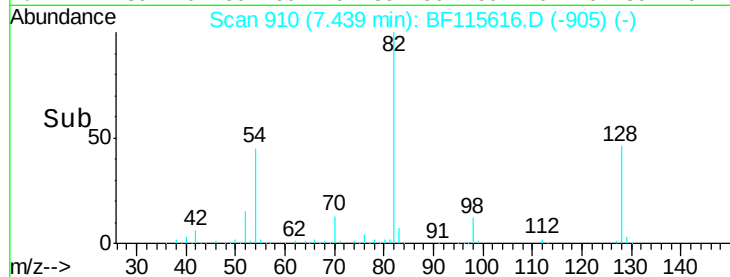
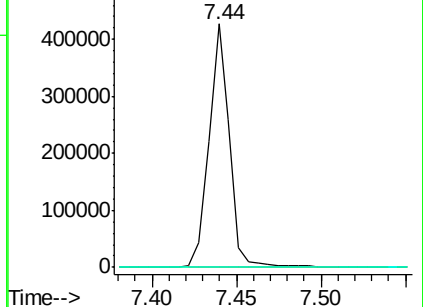
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

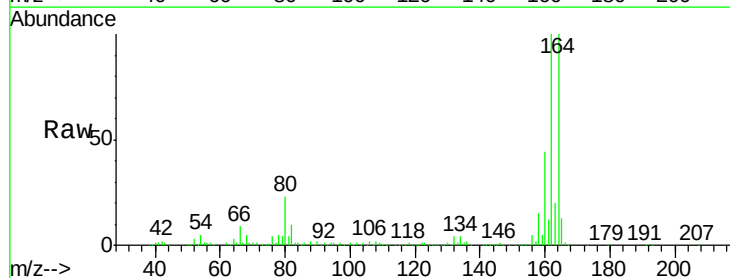
Tgt Ion:164 Resp: 248780

Ion Ratio Lower Upper

164 100

162 100.3 82.9 124.3

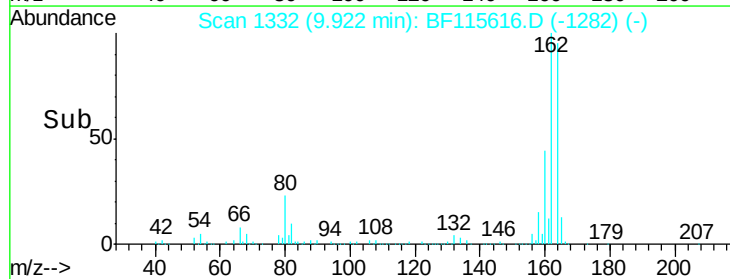
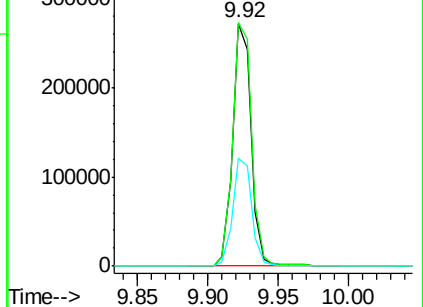
160 44.2 36.8 55.2

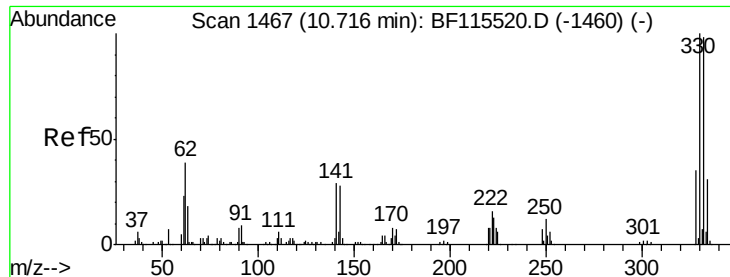


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 34.966 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

Instrument :

BNA_F

ClientSampled :

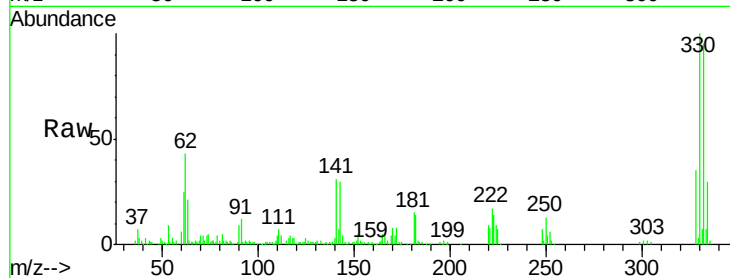
Tot Ion:330 Resp: 101537

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

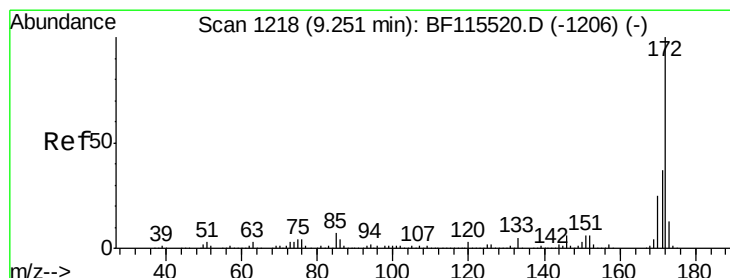
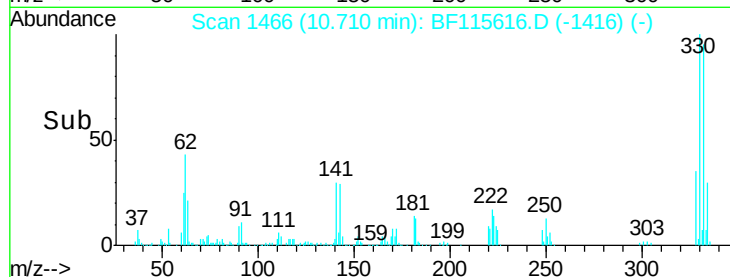
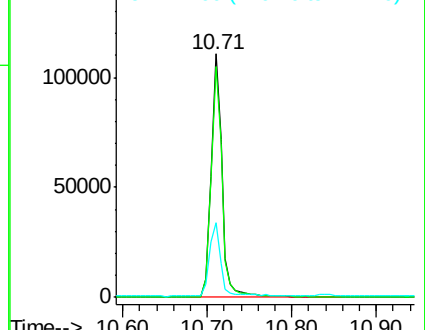
141 31.0 22.4 33.6



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 51.061 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

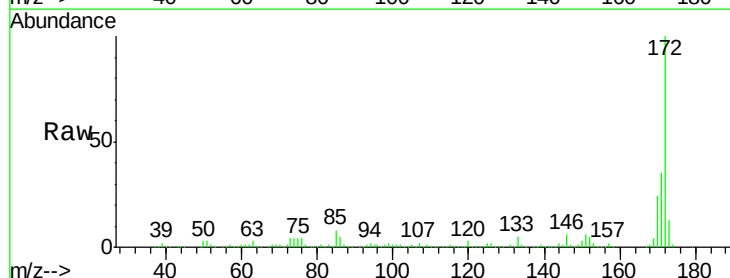
Tgt Ion:172 Resp: 725765

Ion Ratio Lower Upper

172 100

171 34.9 30.6 46.0

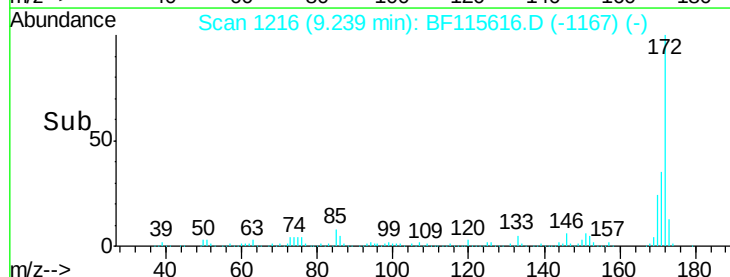
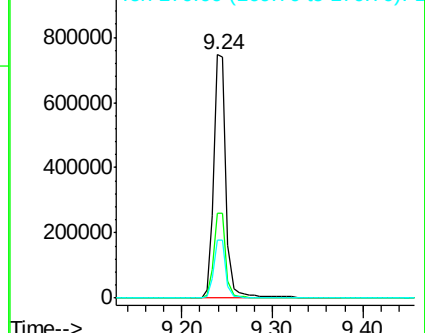
170 23.6 20.5 30.7

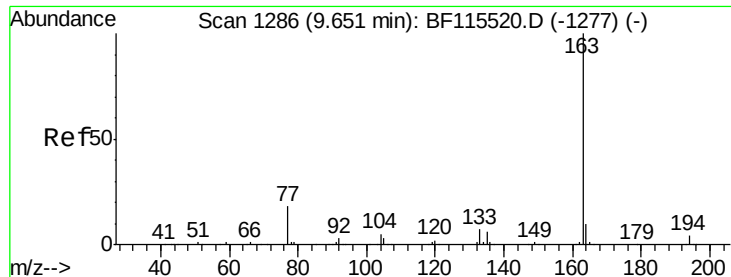


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.572 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

Instrument :

BNA_F

ClientSampled :

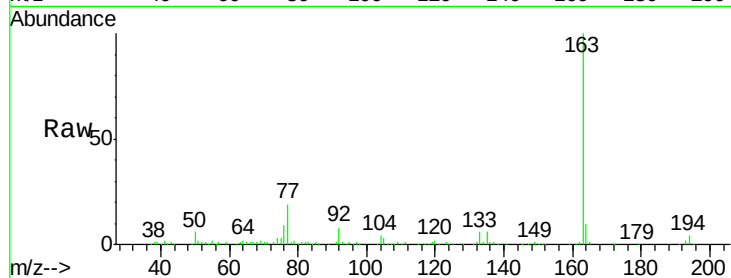
Tot Ion:163 Resp: 160452

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

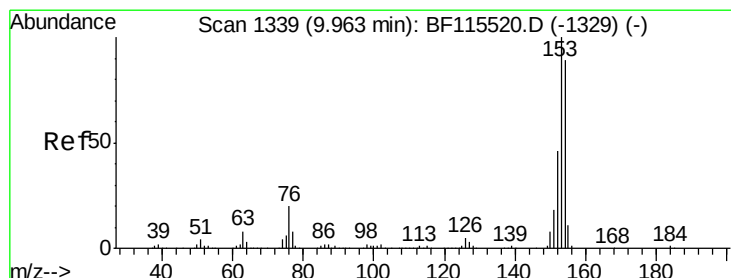
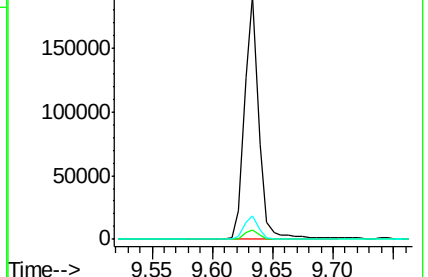
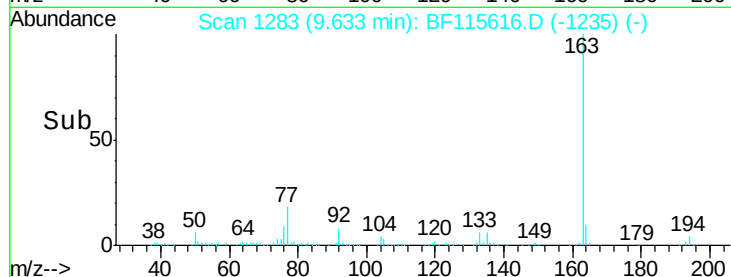
164 9.6 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52

Acenaphthene

Concen: 4.285 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

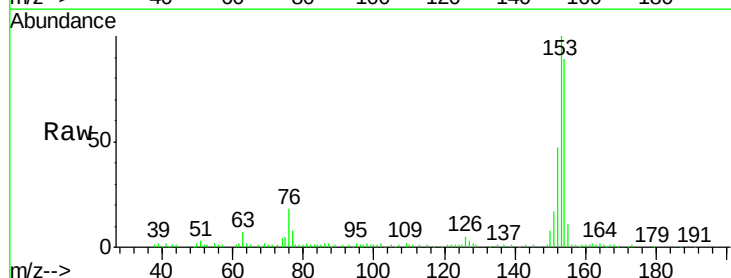
Tgt Ion:154 Resp: 66385

Ion Ratio Lower Upper

154 100

153 112.1 88.6 133.0

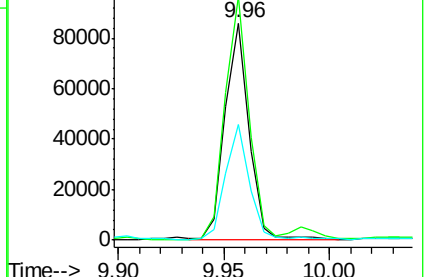
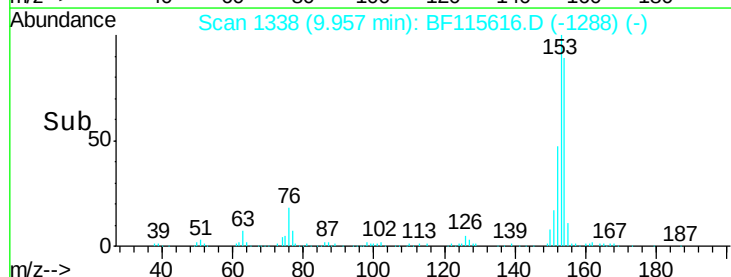
152 53.2 42.3 63.5

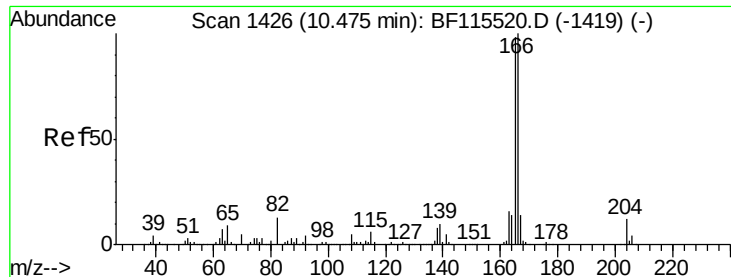


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

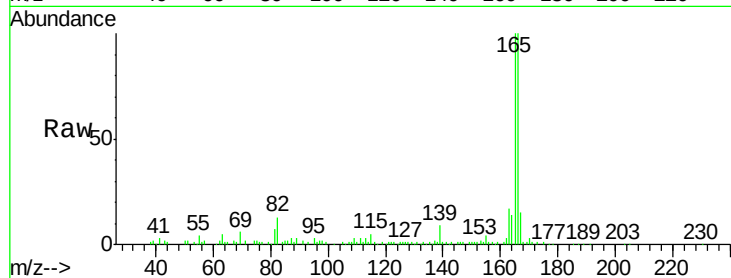




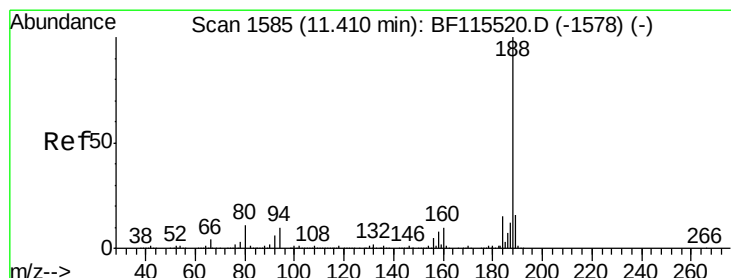
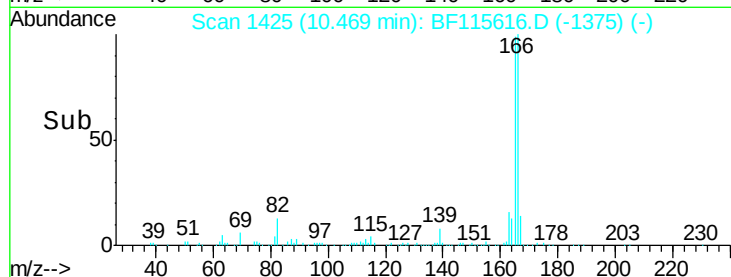
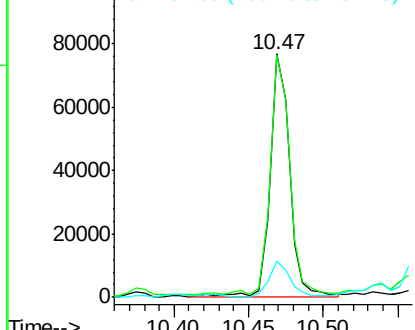
#58
 Fluorene
 Concen: 4.346 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF115616.D
 Acq: 16 Jul 2019 23:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 68351
 Ion Ratio Lower Upper
 166 100
 165 99.7 79.8 119.6
 167 14.8 11.2 16.8

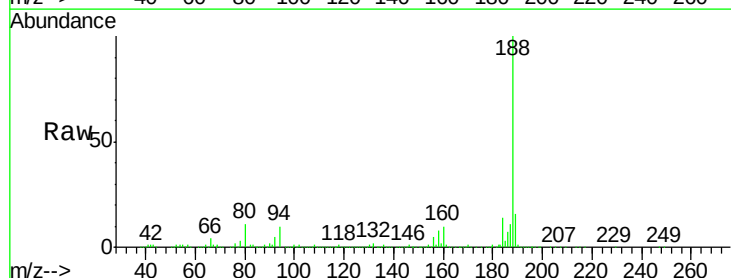


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

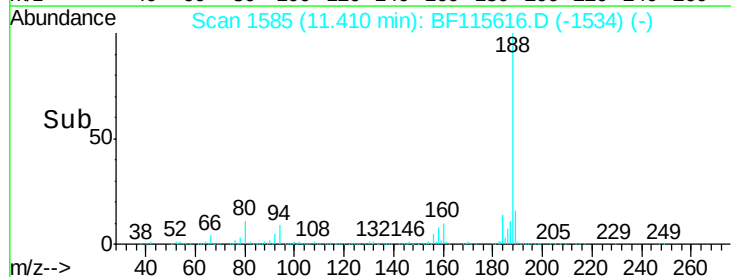
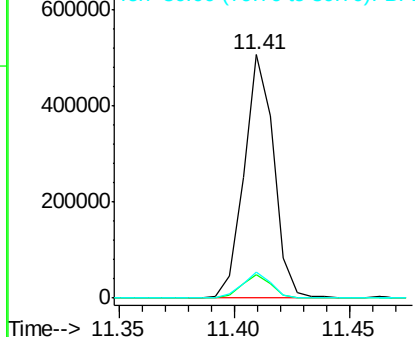


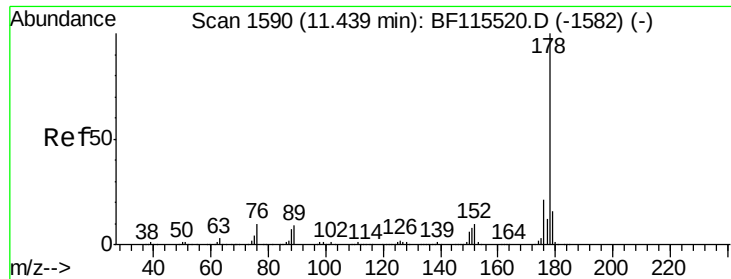
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF115616.D
 Acq: 16 Jul 2019 23:44

Tgt Ion:188 Resp: 454589
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.8 11.6
 80 10.8 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

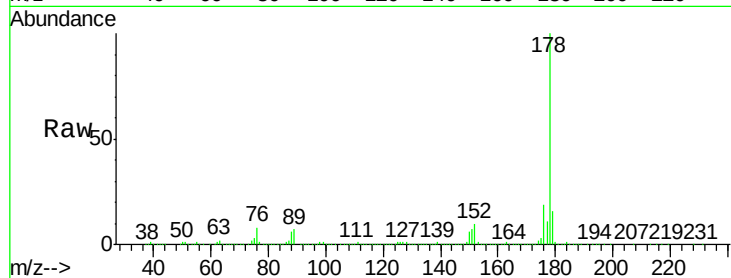




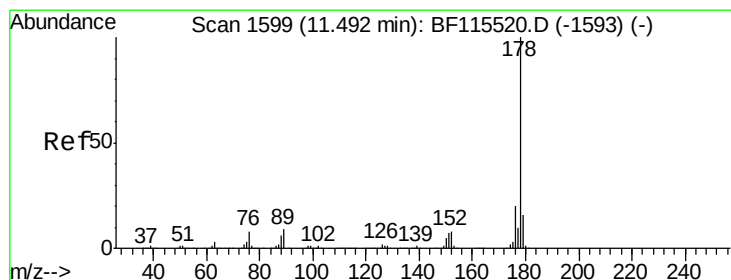
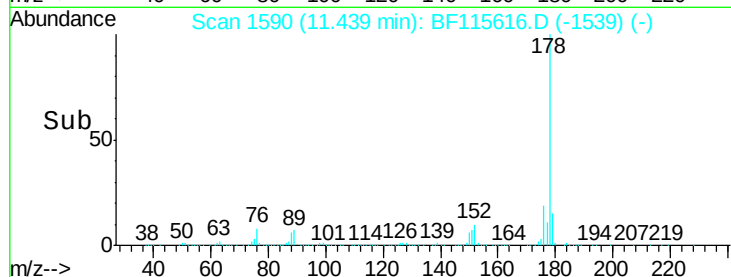
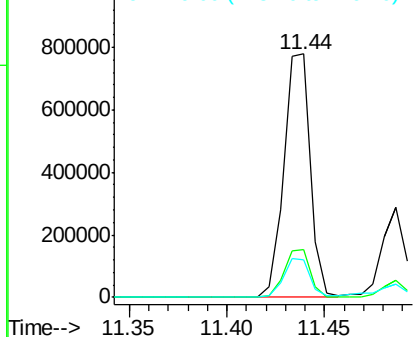
#71
Phenanthrene
Concen: 31.290 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 729113
Ion Ratio Lower Upper
178 100
176 19.5 17.2 25.8
179 15.6 13.5 20.3

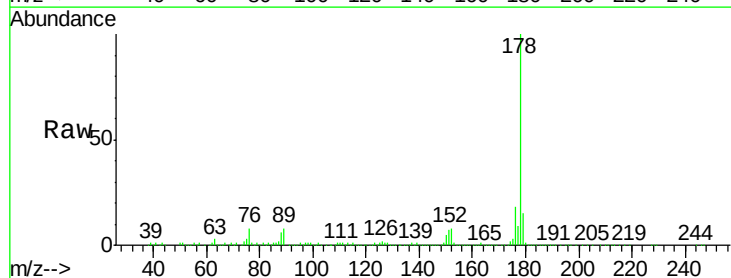


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

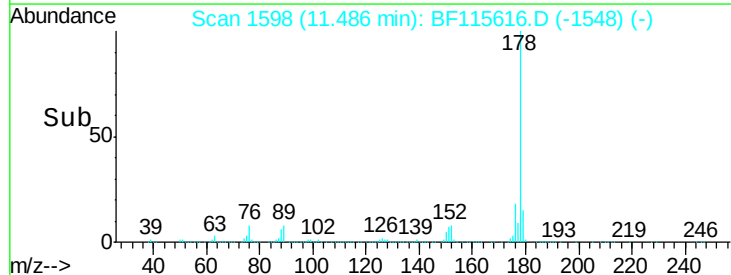
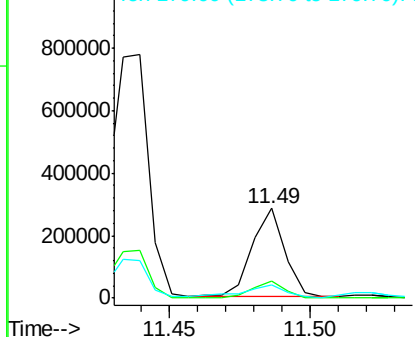


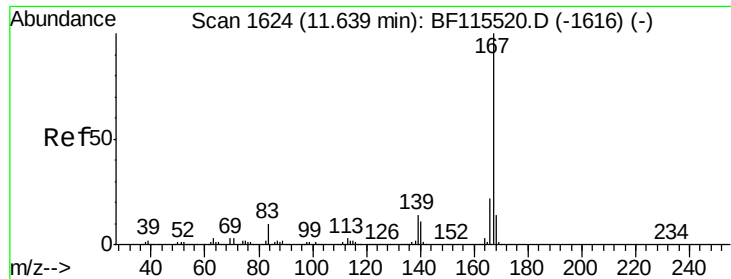
#72
Anthracene
Concen: 9.338 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

Tgt Ion:178 Resp: 224883
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 14.8 12.7 19.1



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

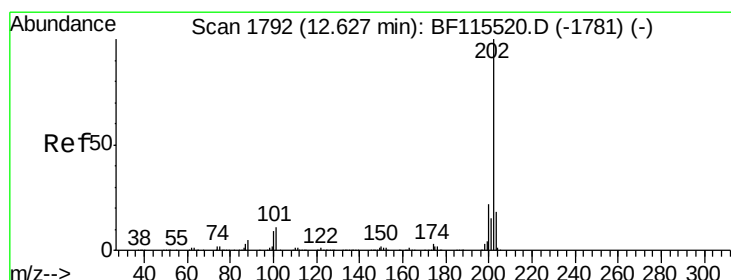
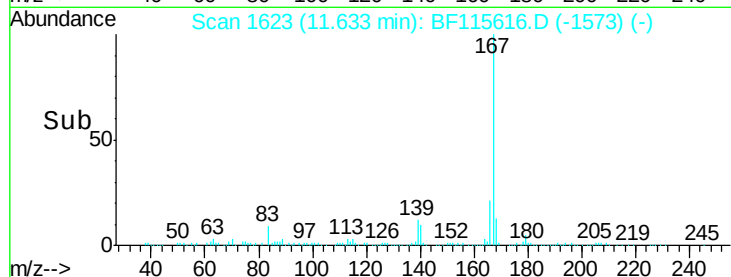
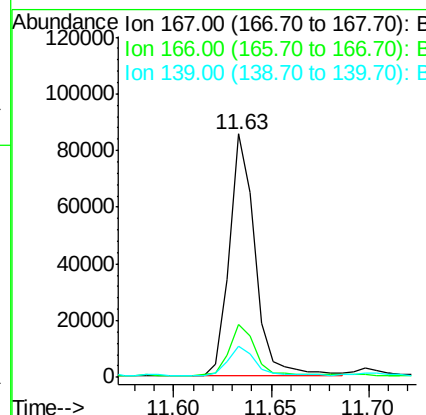
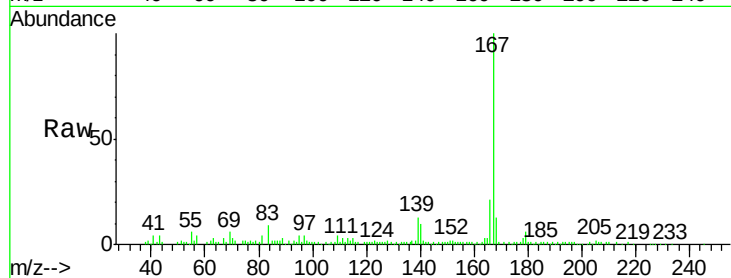




#73
 Carbazole
 Concen: 3.719 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF115616.D
 Acq: 16 Jul 2019 23:44

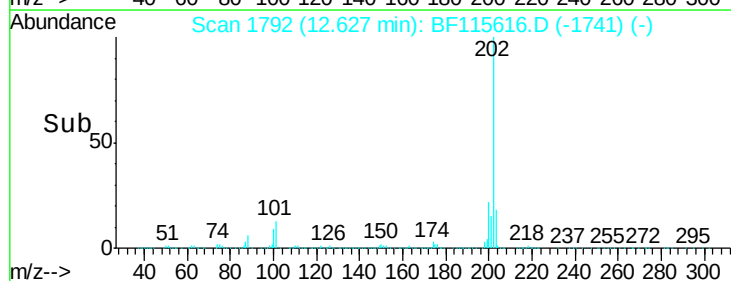
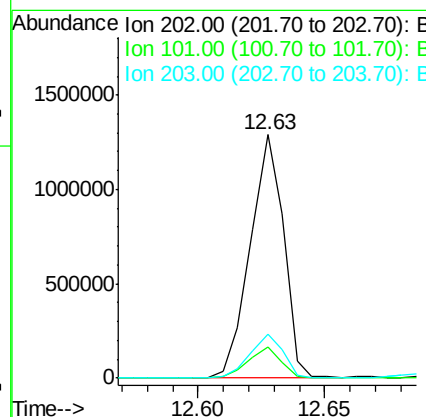
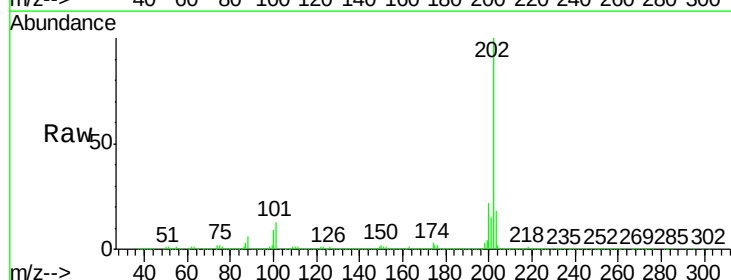
Instrument :
 BNA_F
 ClientSampled :

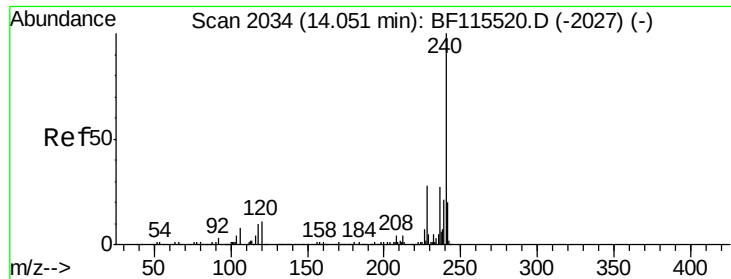
Tot Ion:167 Resp: 78539
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.1 27.1
 139 12.8 11.3 16.9



#75
 Fluoranthene
 Concen: 48.094 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: BF115616.D
 Acq: 16 Jul 2019 23:44

Tgt Ion:202 Resp: 1184265
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 31.4
 203 18.2 0.0 38.1

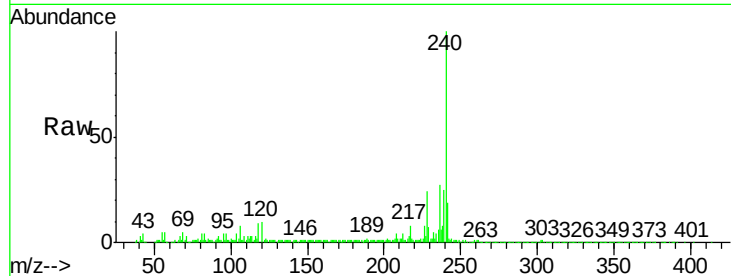




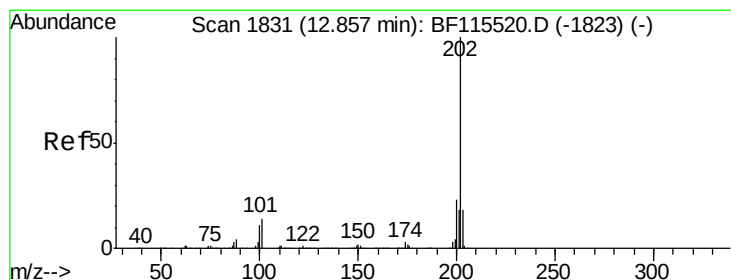
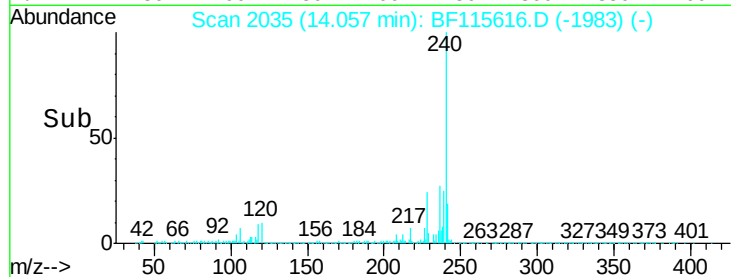
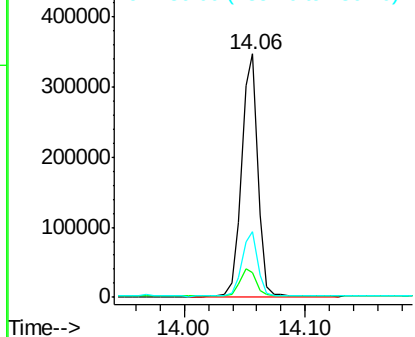
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 325512
Ion Ratio Lower Upper
240 100
120 10.1 8.6 13.0
236 27.2 21.3 31.9

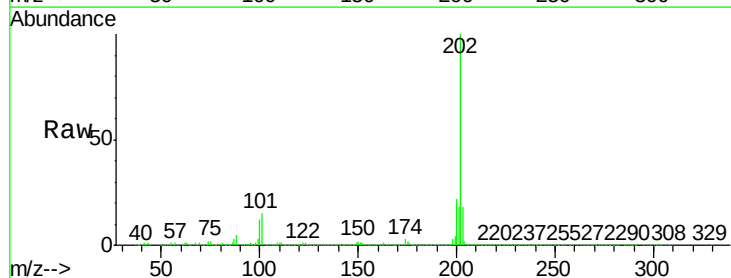


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

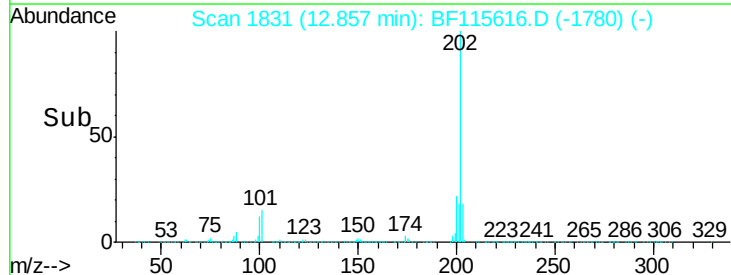
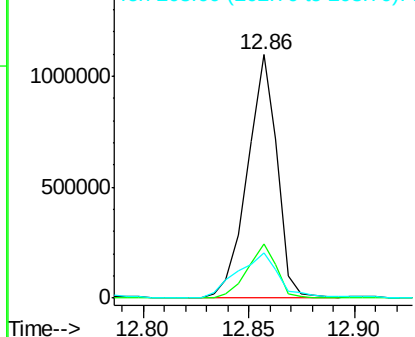


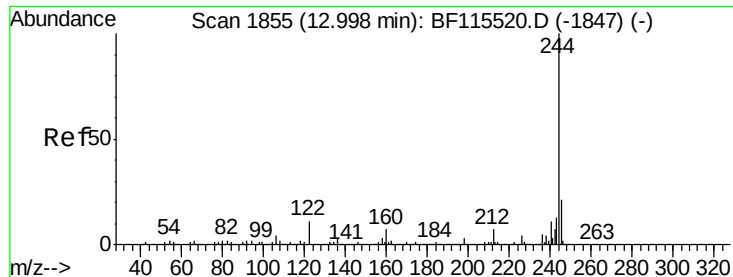
#78
Pyrene
Concen: 38.758 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

Tgt Ion:202 Resp: 1068903
Ion Ratio Lower Upper
202 100
200 22.2 18.7 28.1
203 18.5 15.2 22.8



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

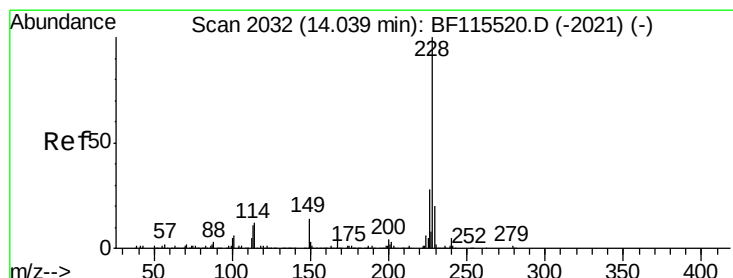
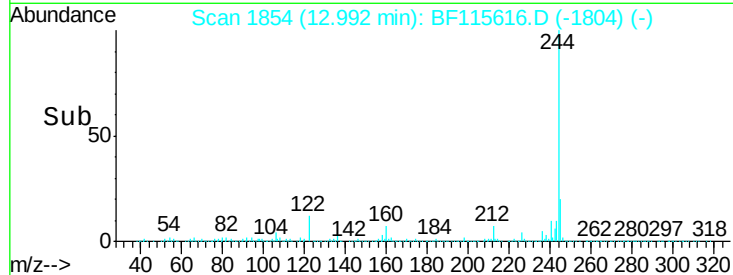
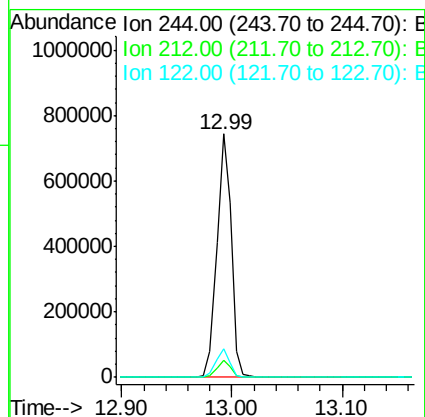
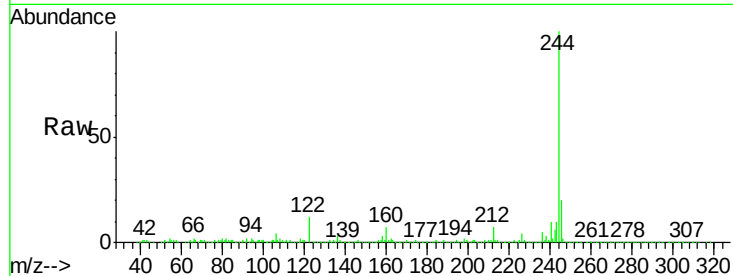




#79
 Terphenyl-d14
 Concen: 37.610 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF115616.D
 Acq: 16 Jul 2019 23:44

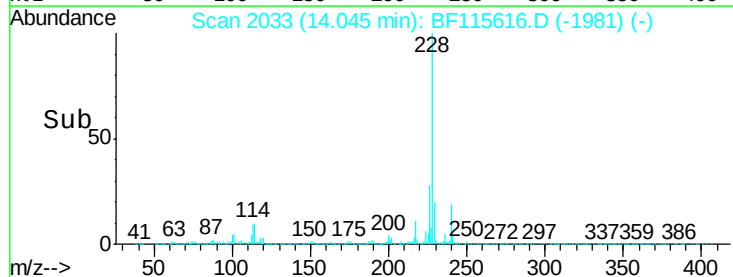
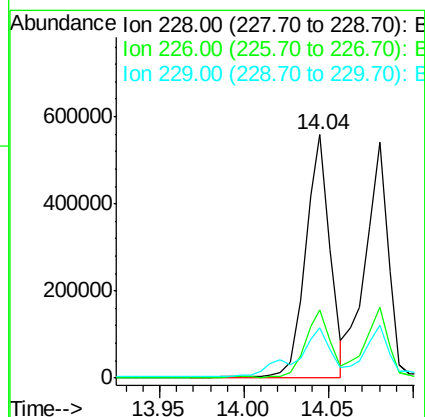
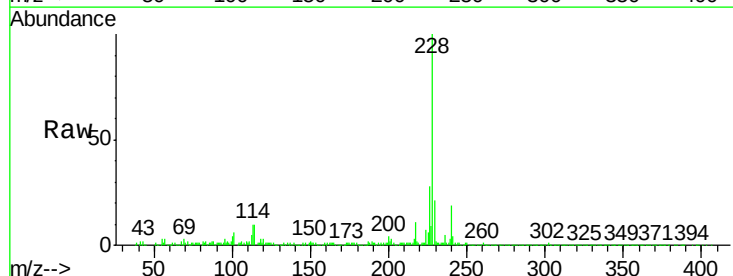
Instrument :
 BNA_F
 ClientSampleId :

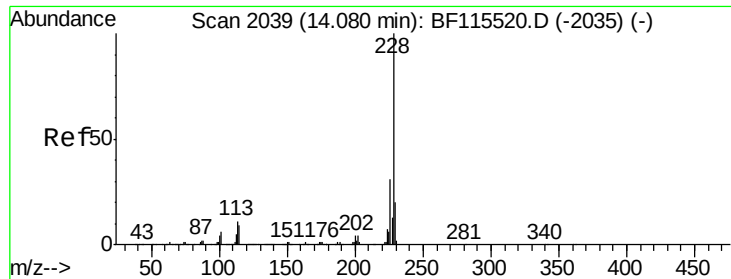
Tot Ion:244 Resp: 663484
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 11.7 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 26.184 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF115616.D
 Acq: 16 Jul 2019 23:44

Tgt Ion:228 Resp: 561516
 Ion Ratio Lower Upper
 228 100
 226 28.3 23.4 35.0
 229 20.8 17.2 25.8





#83

Chrysene

Concen: 21.868 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

Instrument :

BNA_F

ClientSampleId :

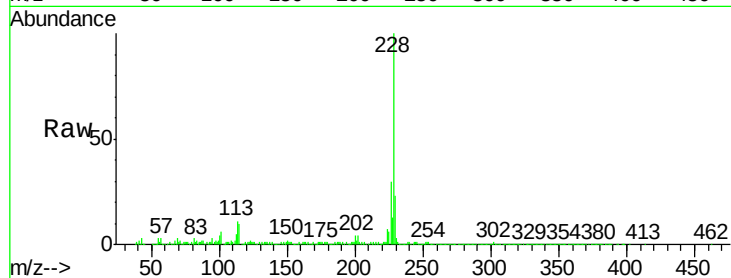
Tot Ion:228 Resp: 470760

Ion Ratio Lower Upper

228 100

226 29.9 25.7 38.5

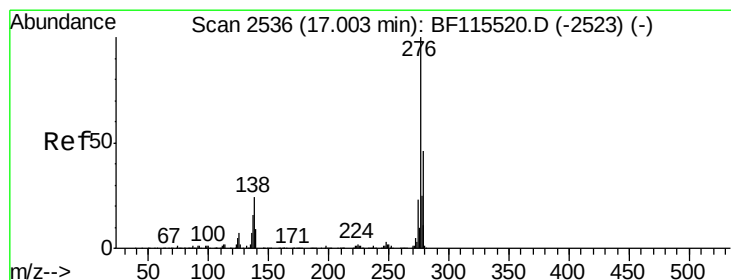
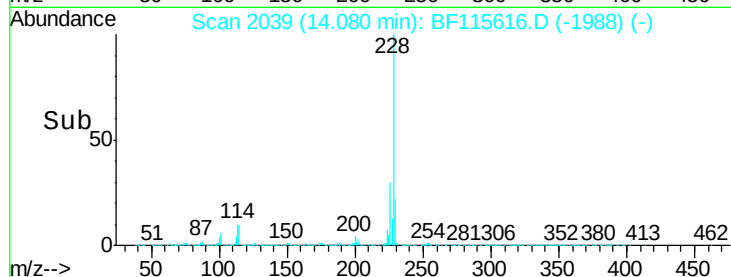
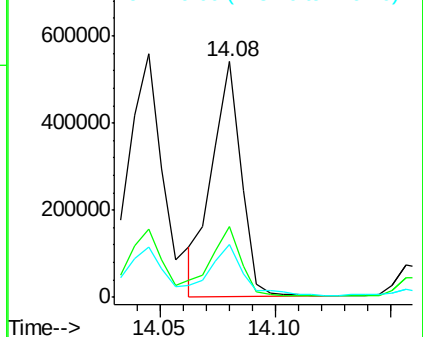
229 22.7 16.6 25.0



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 10.396 ng

RT: 17.02 min Scan# 2539

Delta R.T. 0.02 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

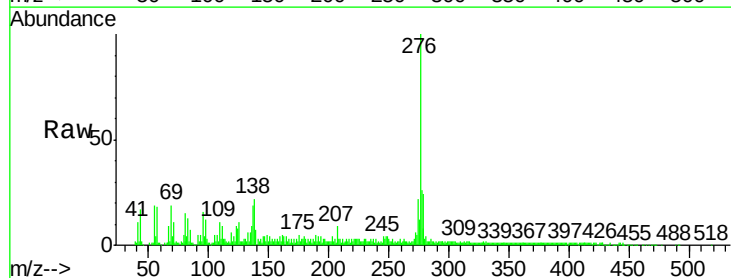
Tgt Ion:276 Resp: 190141

Ion Ratio Lower Upper

276 100

138 20.6 20.2 30.2

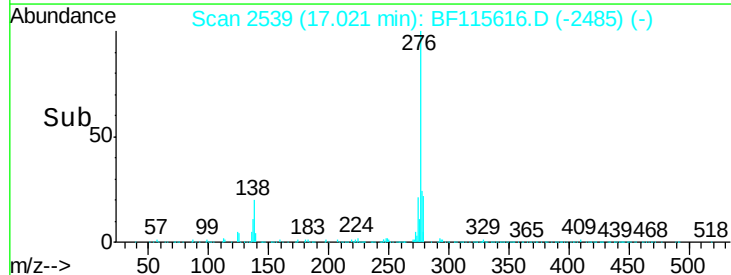
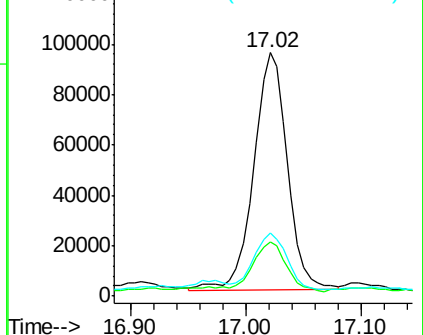
277 23.6 20.4 30.6

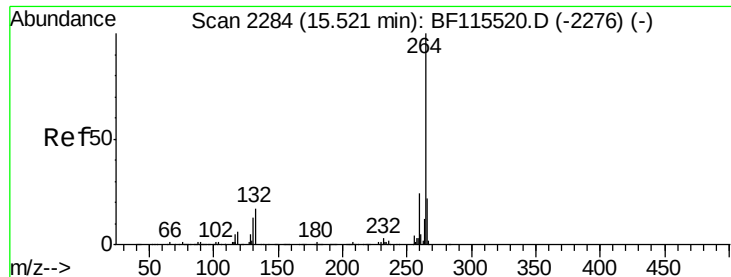


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.01 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

Instrument :

BNA_F

ClientSampleId :

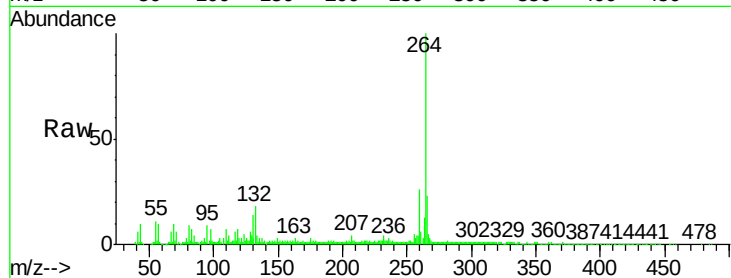
Tot Ion:264 Resp: 276074

Ion Ratio Lower Upper

264 100

260 25.7 19.8 29.8

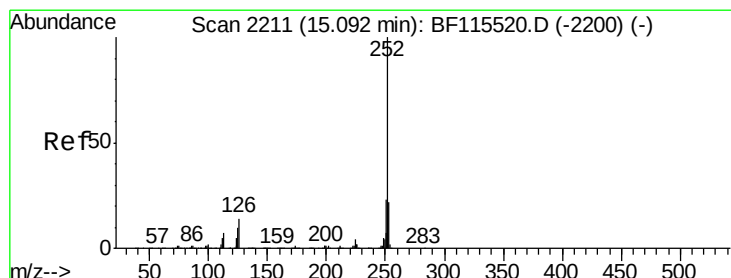
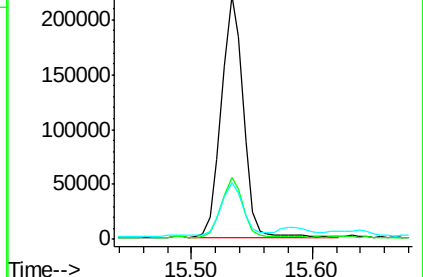
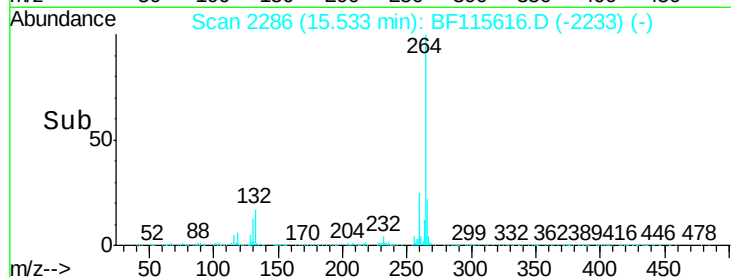
265 23.4 17.7 26.5



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



#88

Benzo(b)fluoranthene

Concen: 38.882 ng

RT: 15.10 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BF115616.D

Acq: 16 Jul 2019 23:44

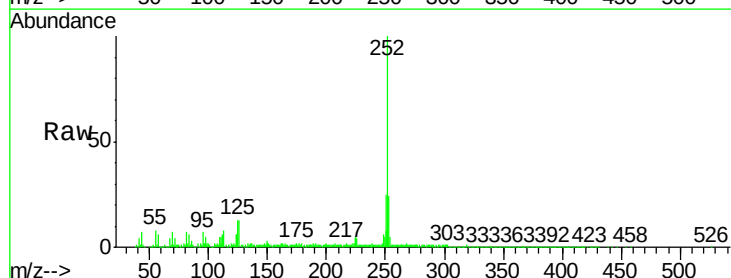
Tgt Ion:252 Resp: 691196

Ion Ratio Lower Upper

252 100

253 24.4 18.1 27.1

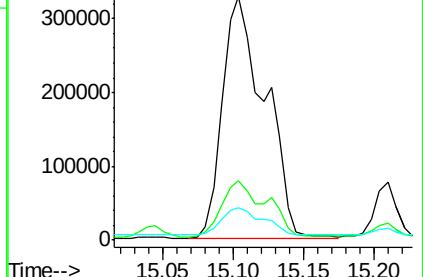
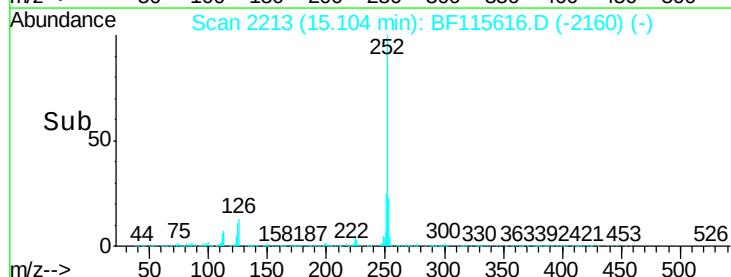
125 13.3 9.0 13.4

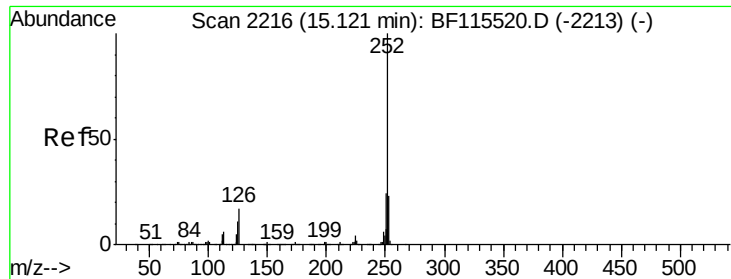


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

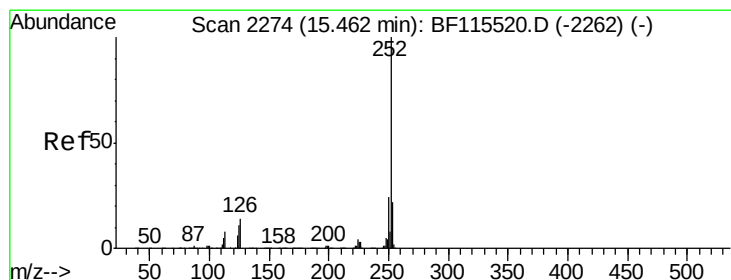
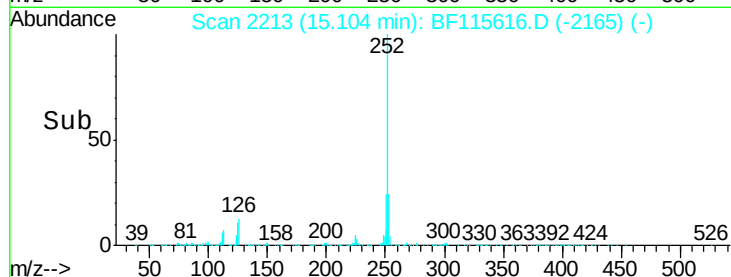
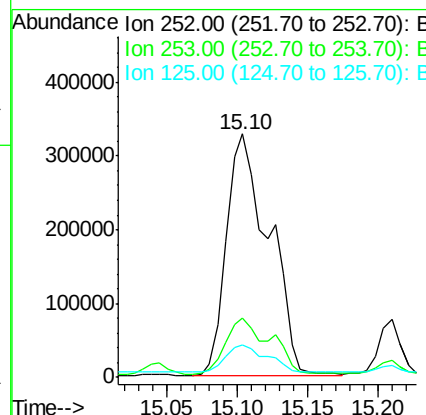
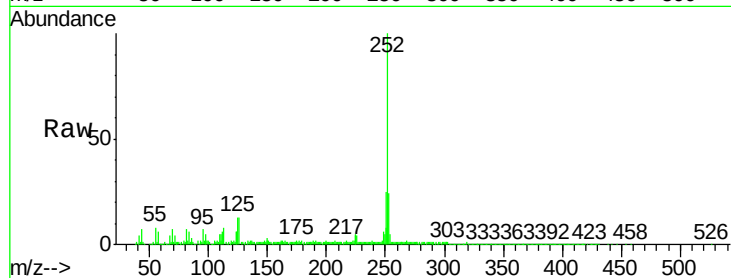




#89
Benzo(k)fluoranthene
Concen: 43.611 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

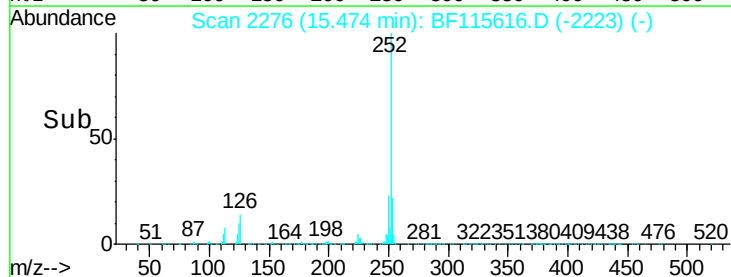
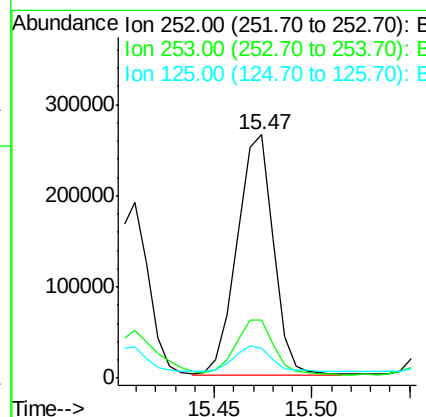
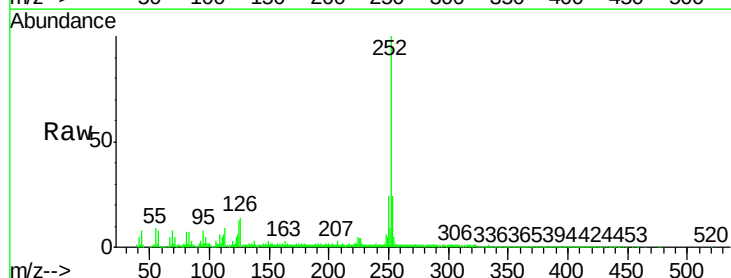
Instrument :
BNA_F
ClientSampleId :

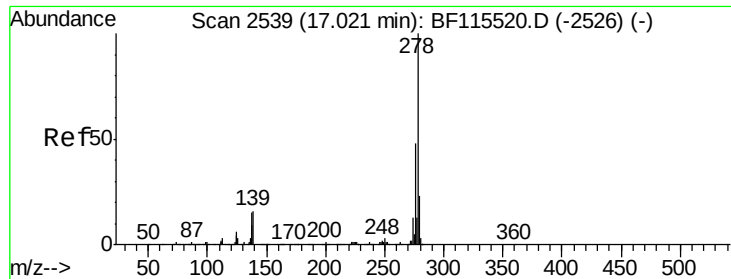
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.6	28.0
125	13.3	9.0	13.6



#90
Benzo(a)pyrene
Concen: 22.417 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	12.5	9.1	13.7

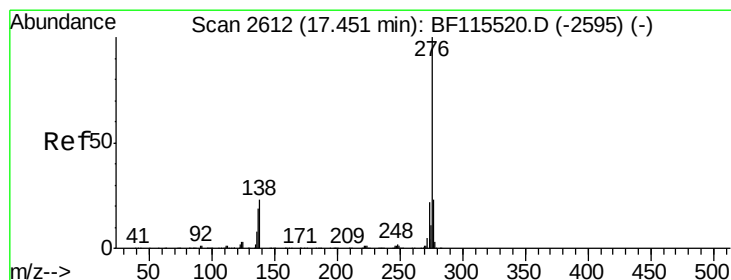
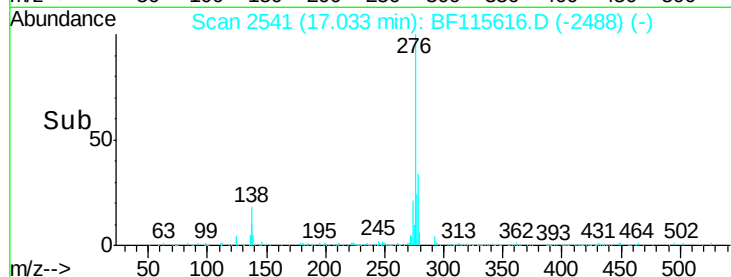
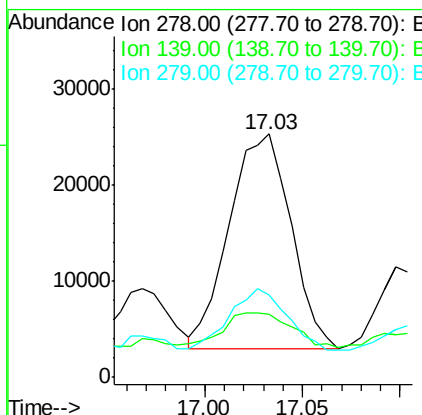
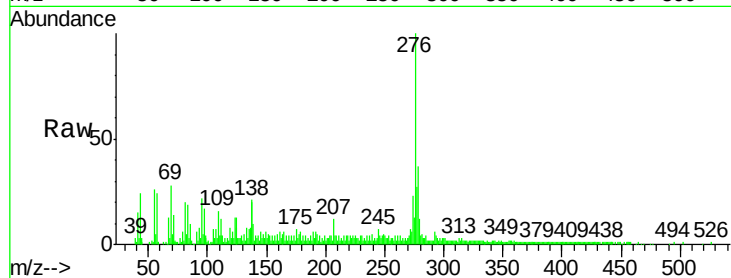




#91
Dibenzo(a,h)anthracene
Concen: 3.632 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.01 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 48720
Ion Ratio Lower Upper
278 100
139 26.2 13.1 19.7#
279 34.1 19.6 29.4#



#92
Benzo(g,h,i)perylene
Concen: 13.469 ng
RT: 17.47 min Scan# 2616
Delta R.T. 0.02 min
Lab File: BF115616.D
Acq: 16 Jul 2019 23:44

Tgt Ion:276 Resp: 180180
Ion Ratio Lower Upper
276 100
277 24.9 19.0 28.4
138 22.4 17.2 25.8

