

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
 Data File : BF115575.D
 Acq On : 15 Jul 2019 23:40
 Operator : HP/JU
 Sample : K3620-07 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071219-D

Quant Time: Jul 16 09:05:42 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

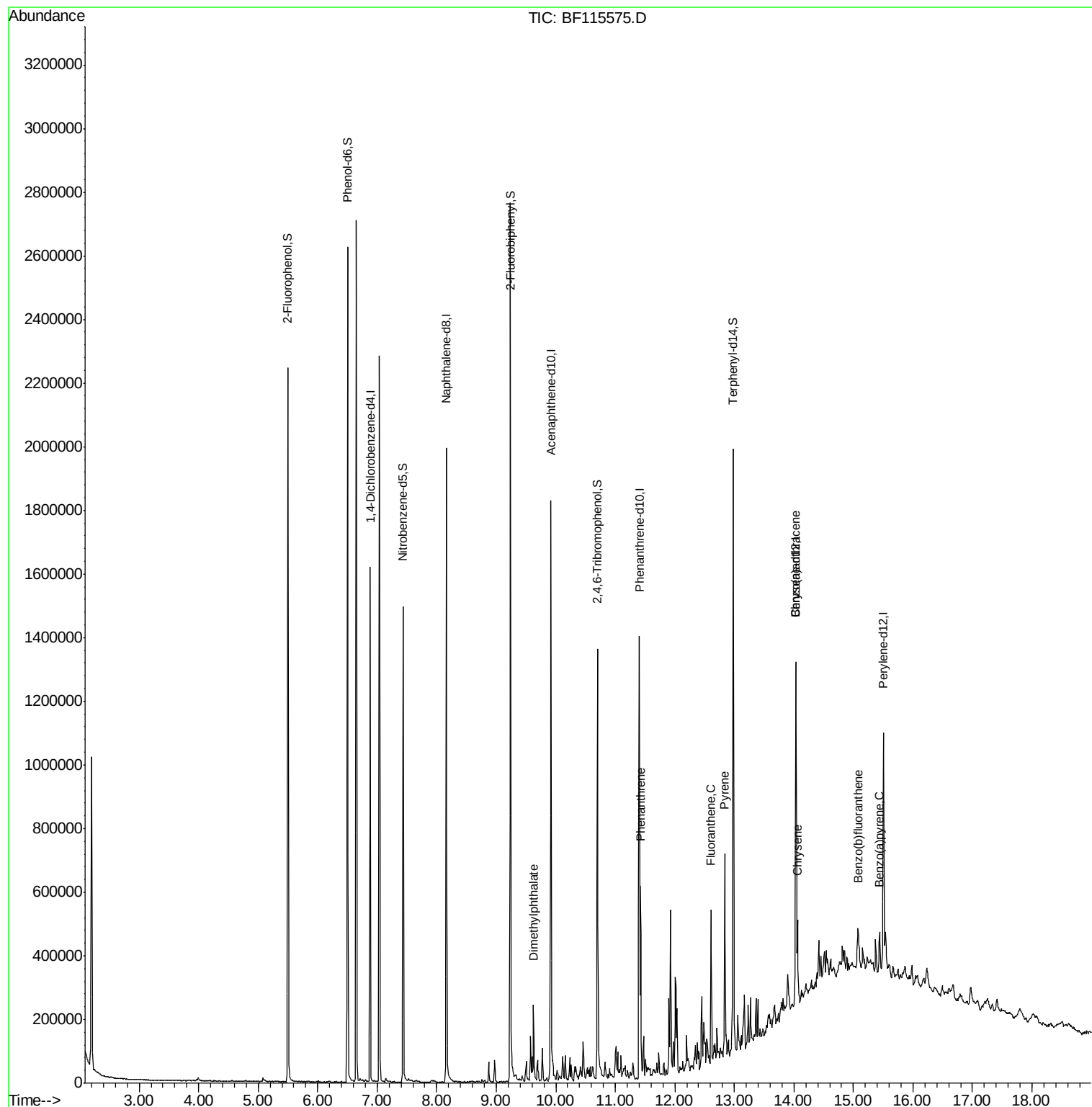
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	222838	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	825528	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	376753	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	550160	20.00	ng	0.00
76) Chrysene-d12	14.03	240	351731	20.00	ng	-0.02
87) Perylene-d12	15.50	264	386380	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	675053	49.55	ng	0.00
7) Phenol-d6	6.50	99	888644	51.41	ng	-0.01
23) Nitrobenzene-d5	7.43	82	537972	37.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	201549	45.83	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	946726	43.98	ng	-0.01
79) Terphenyl-d14	12.98	244	669992	35.15	ng	-0.02
Target Compounds						Qvalue
50) Dimethylphthalate	9.63	163	104792	3.697	ng	98
71) Phenanthrene	11.42	178	209828	7.441	ng	95
75) Fluoranthene	12.61	202	166001	5.570	ng	98
78) Pyrene	12.84	202	245848	8.250	ng	96
81) Benzo(a)anthracene	14.03	228	94943	4.097	ng	95
83) Chrysene	14.06	228	107885	4.638	ng	95
88) Benzo(b)fluoranthene	15.07	252	78344m	3.149	ng	
90) Benzo(a)pyrene	15.44	252	73174	3.422	ng	# 94

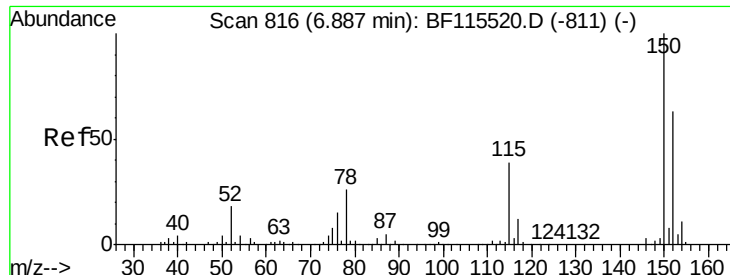
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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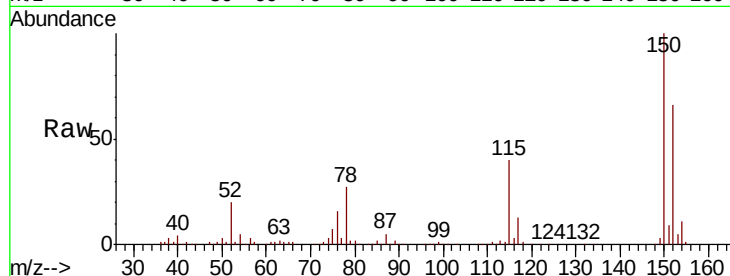


#1

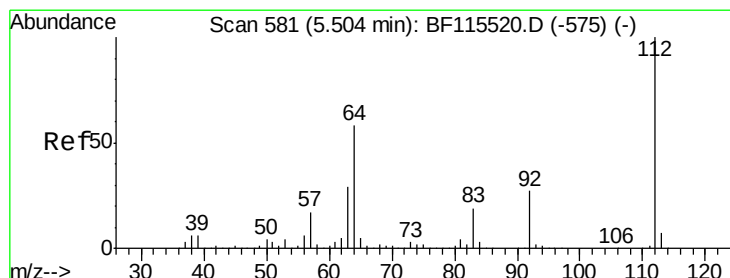
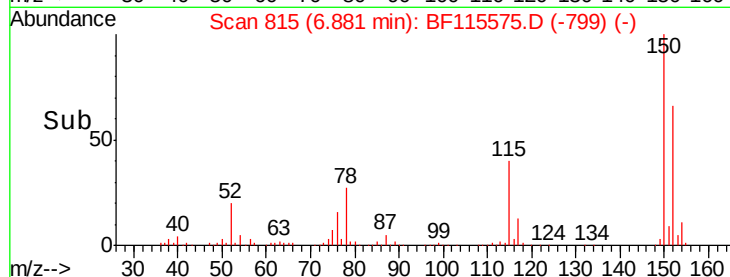
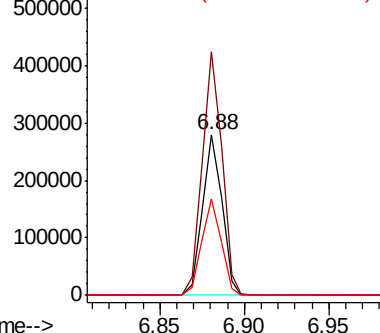
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF115575.D
 Acq: 15 Jul 2019 23:40

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071219-D

Tot Ion:152 Resp: 222838
 Ion Ratio Lower Upper
 152 100
 150 151.3 129.7 194.5
 115 60.2 48.2 72.4



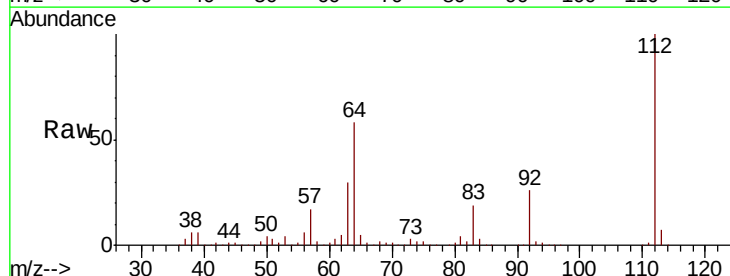
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



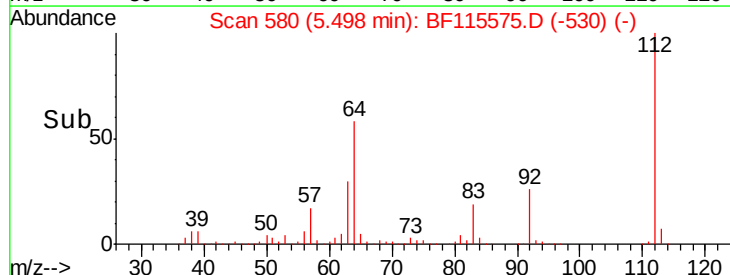
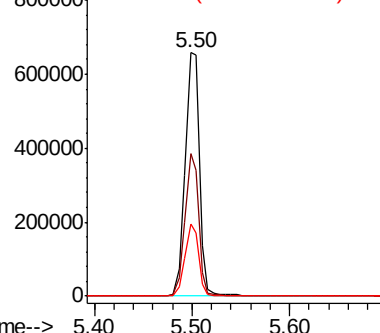
#5

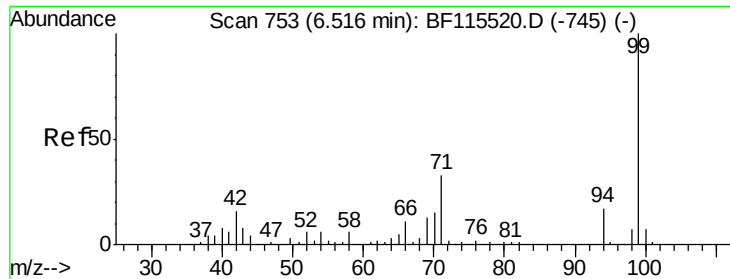
2-Fluorophenol
 Concen: 49.551 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF115575.D
 Acq: 15 Jul 2019 23:40

Tgt Ion:112 Resp: 675053
 Ion Ratio Lower Upper
 112 100
 64 58.4 46.8 70.2
 63 29.9 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: 51.407 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Instrument :

BNA_F

ClientSampleId :

CL-01-071219-D

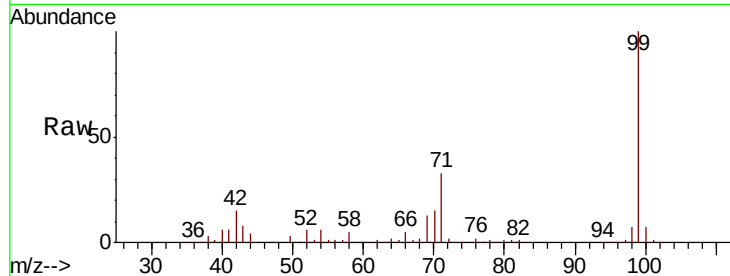
Tot Ion: 99 Resp: 888644

Ion Ratio Lower Upper

99 100

42 15.4 13.6 20.4

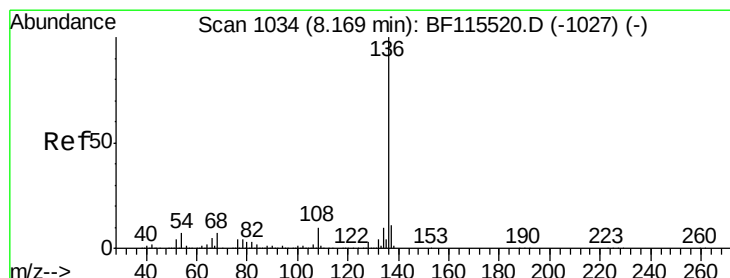
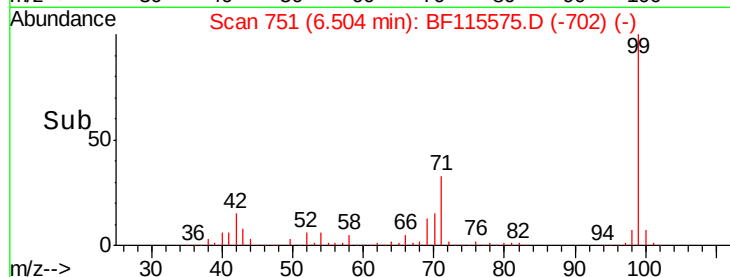
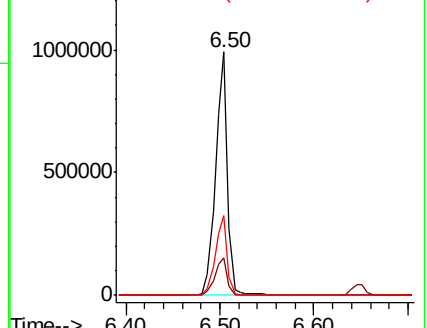
71 32.6 28.5 42.7



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Tgt Ion: 136 Resp: 825528

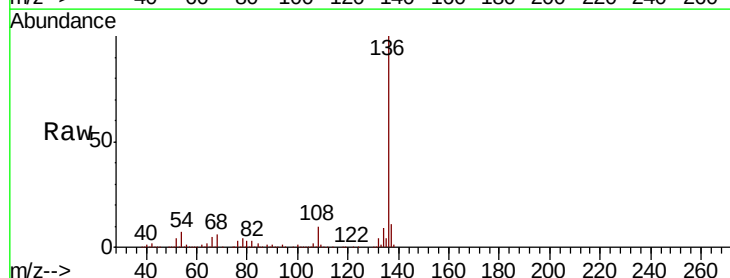
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.0 5.6 8.4

68 6.3 5.0 7.6

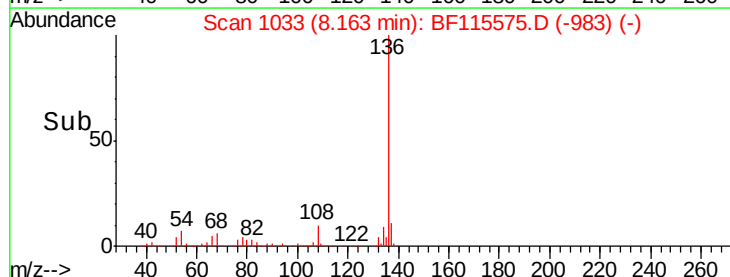
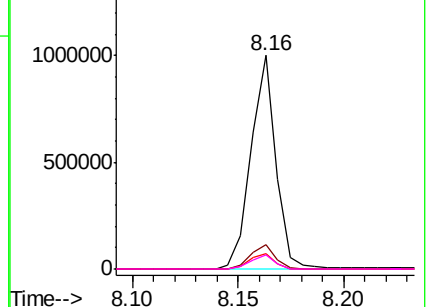


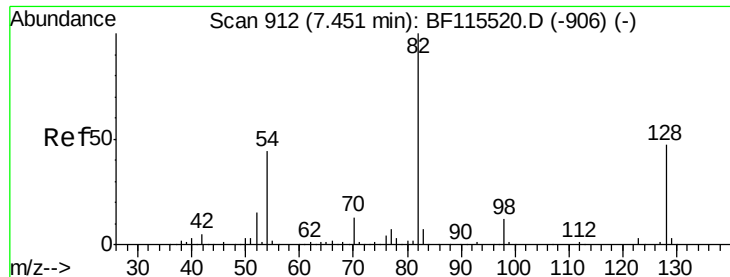
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 37.892 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Instrument :

BNA_F

ClientSampleId :

CL-01-071219-D

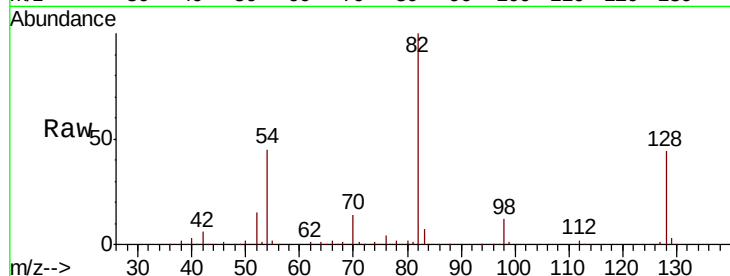
Tot Ion: 82 Resp: 537972

Ion Ratio Lower Upper

82 100

128 44.2 38.6 57.8

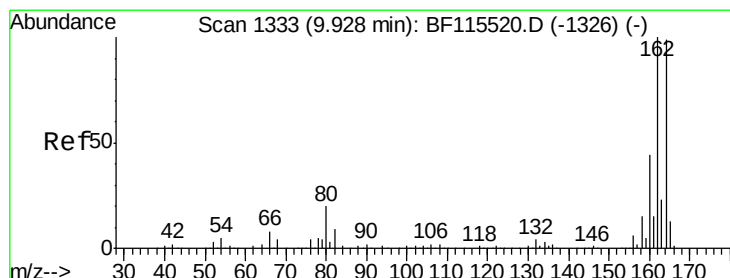
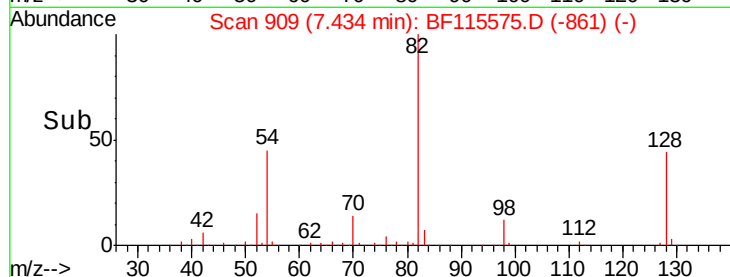
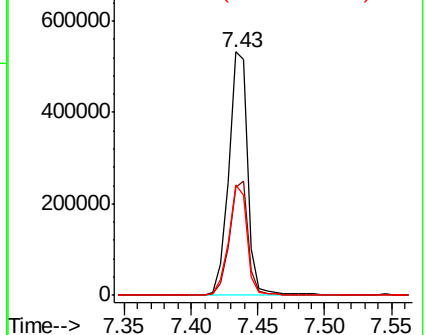
54 45.5 35.6 53.4



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

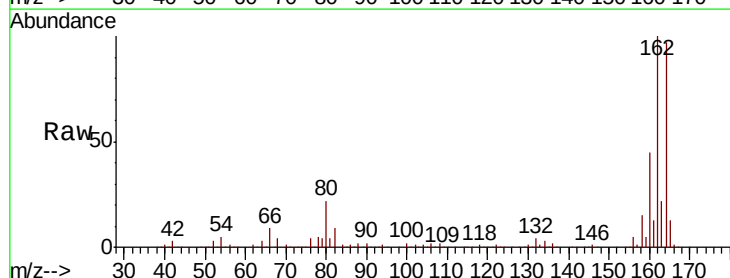
Tgt Ion: 164 Resp: 376753

Ion Ratio Lower Upper

164 100

162 103.4 82.9 124.3

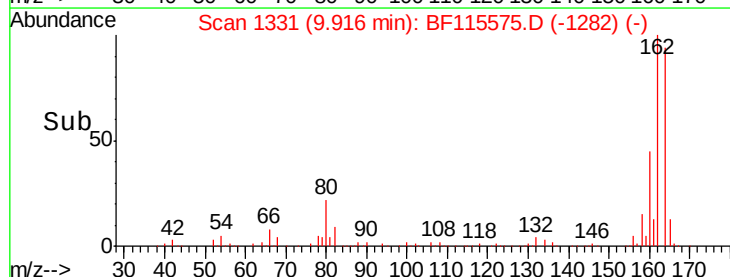
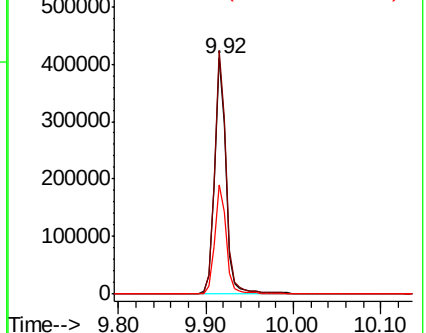
160 46.3 36.8 55.2

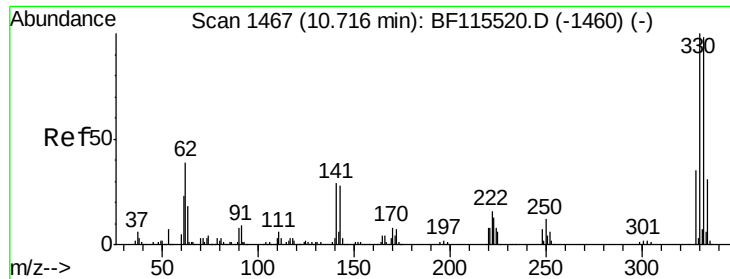


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 45.831 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Instrument :

BNA_F

ClientSampleId :

CL-01-071219-D

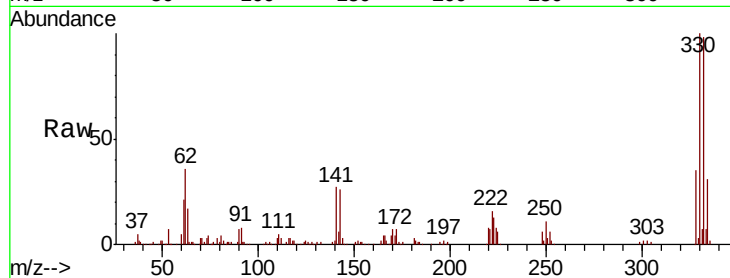
Tot Ion:330 Resp: 201549

Ion Ratio Lower Upper

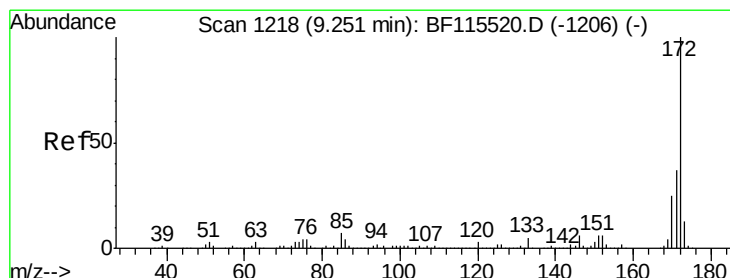
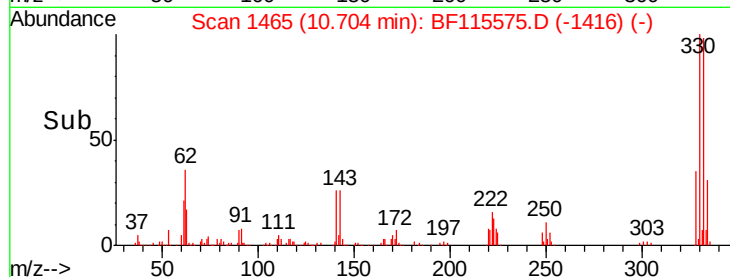
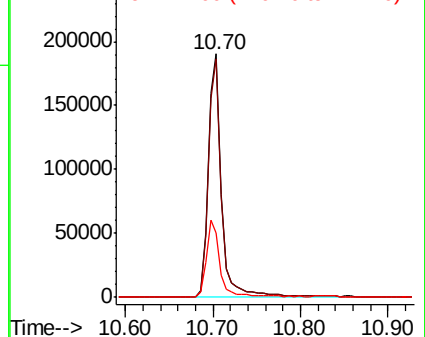
330 100

332 98.4 77.4 116.2

141 32.6 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: 43.982 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

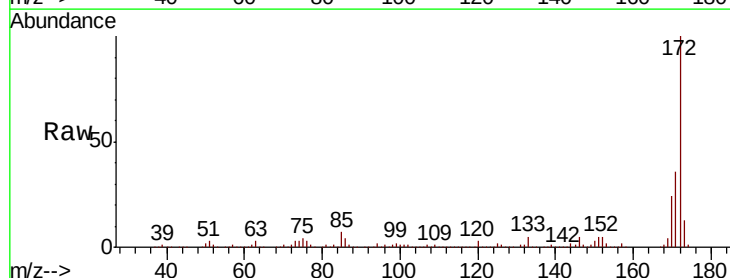
Tgt Ion:172 Resp: 946726

Ion Ratio Lower Upper

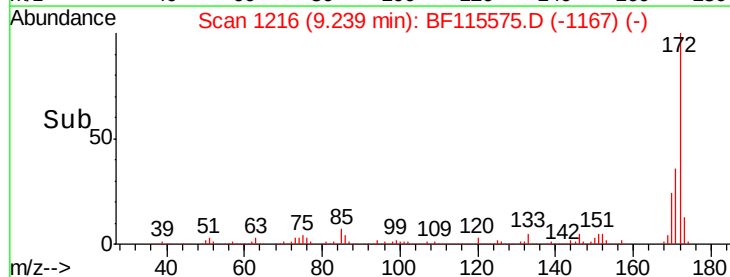
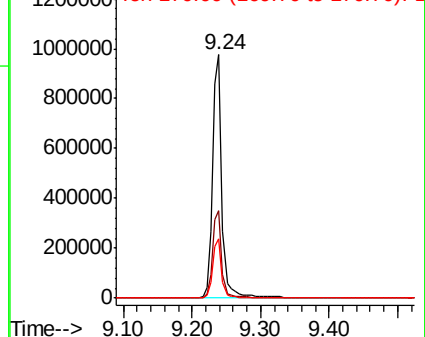
172 100

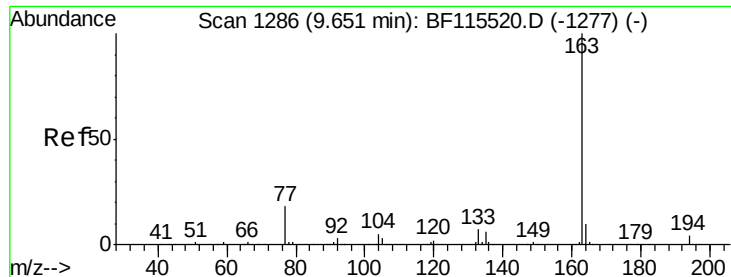
171 35.7 30.6 46.0

170 24.4 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

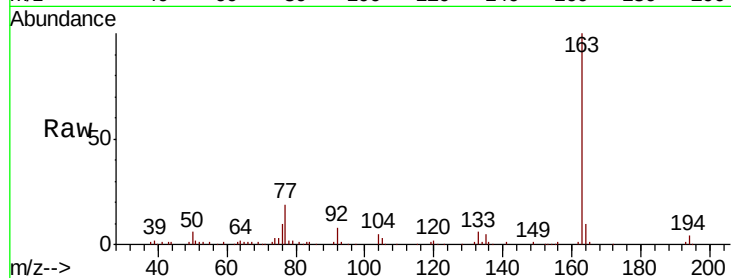




#50
Dimethylphthalate
Concen: 3.697 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Instrument :
BNA_F
ClientSampleId :
CL-01-071219-D

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.7	13.1

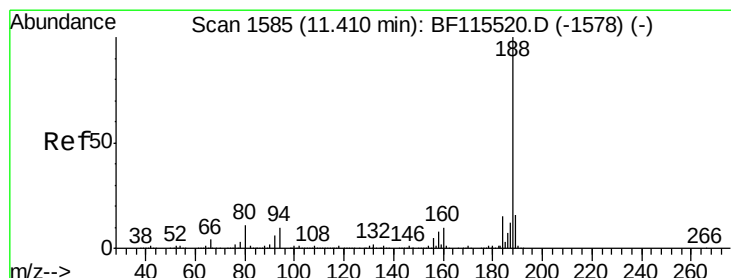
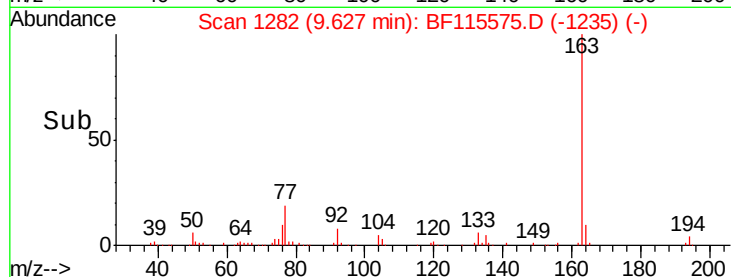
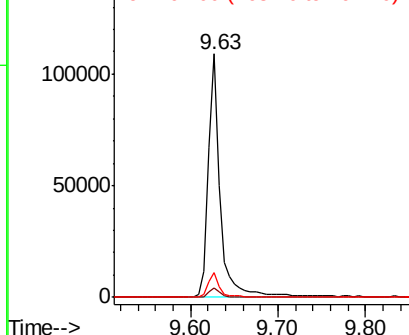


Abundance

Ion 163.00 (162.70 to 163.70): E

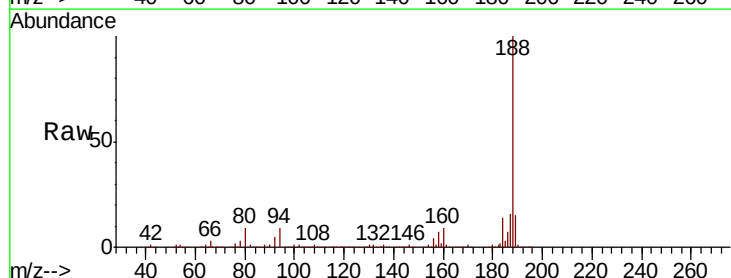
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.8	11.6
80	8.9	8.6	13.0

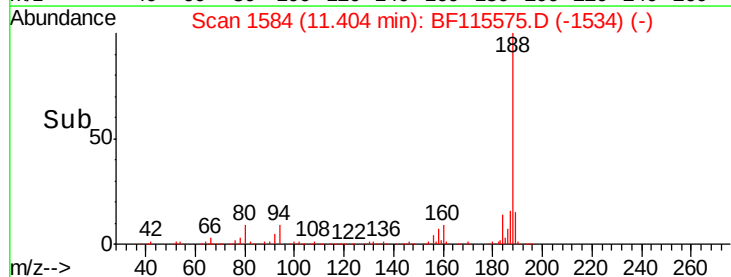
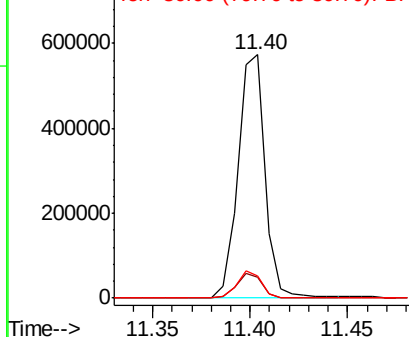


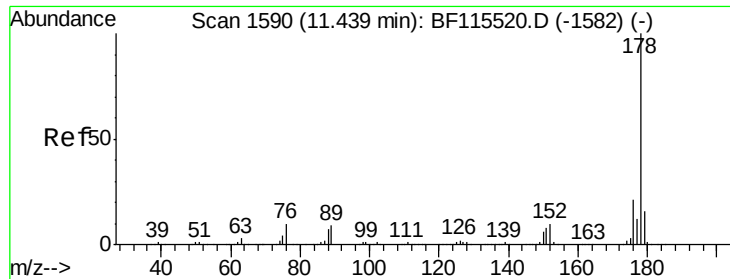
Abundance

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

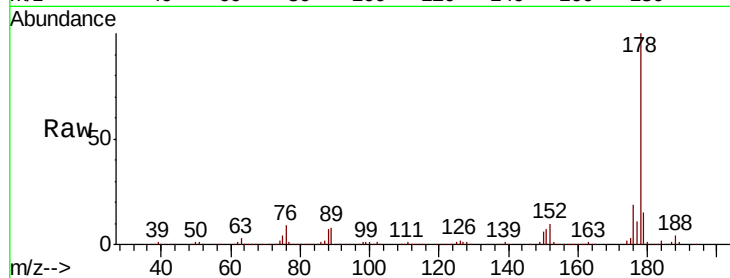




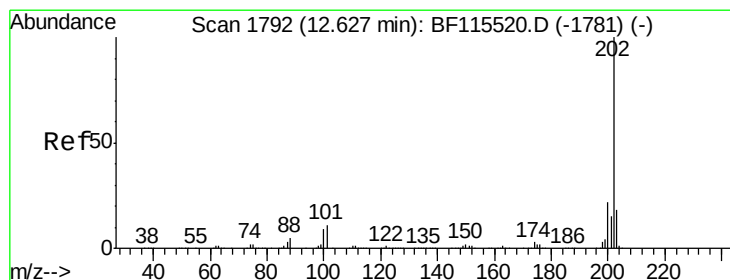
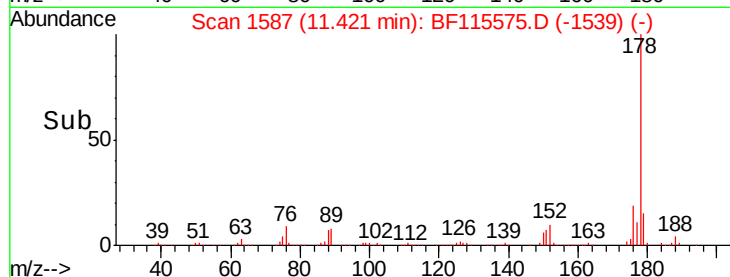
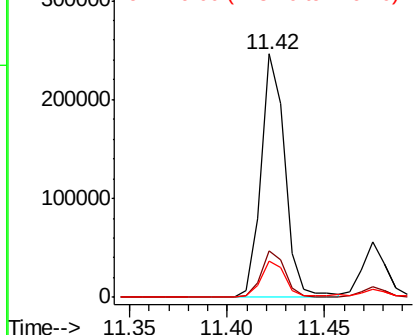
#71
Phenanthrene
Concen: 7.441 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Instrument :
BNA_F
ClientSampleId :
CL-01-071219-D

Tot Ion:178 Resp: 209828
Ion Ratio Lower Upper
178 100
176 18.9 17.2 25.8
179 14.8 13.5 20.3

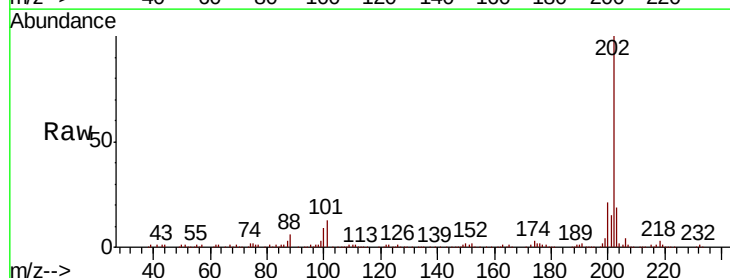


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

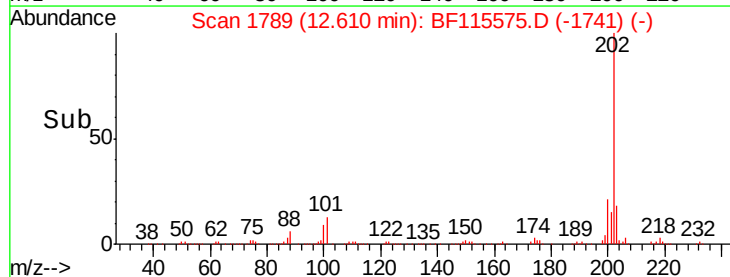
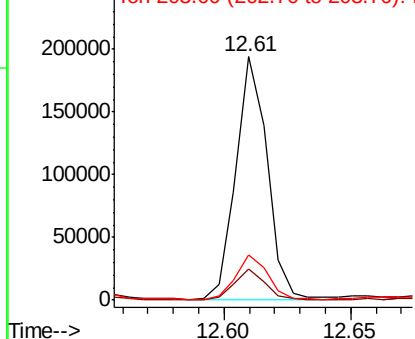


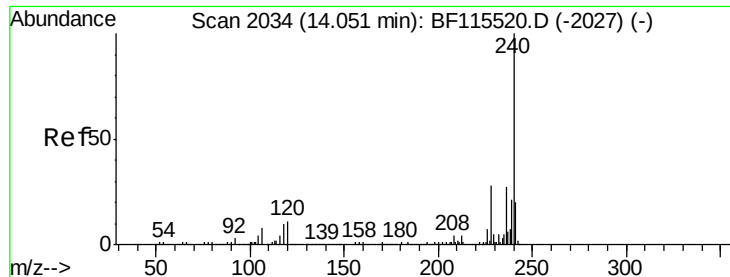
#75
Fluoranthene
Concen: 5.570 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.02 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Tgt Ion:202 Resp: 166001
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.4
203 18.6 0.0 38.1



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

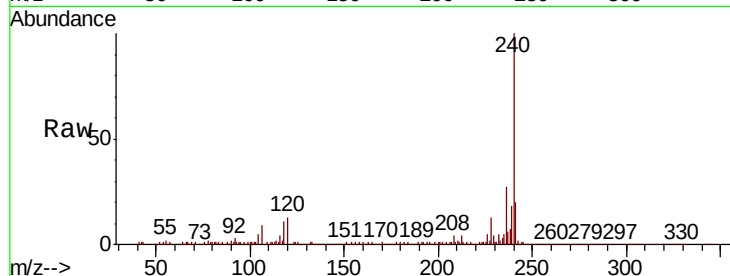




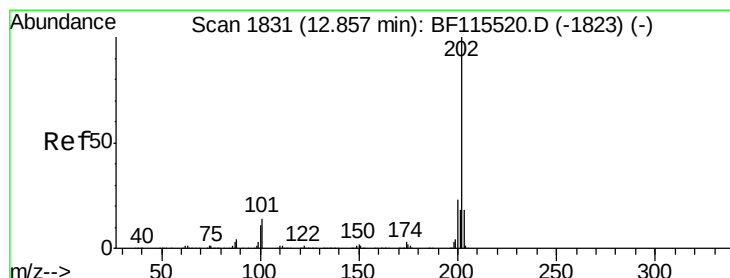
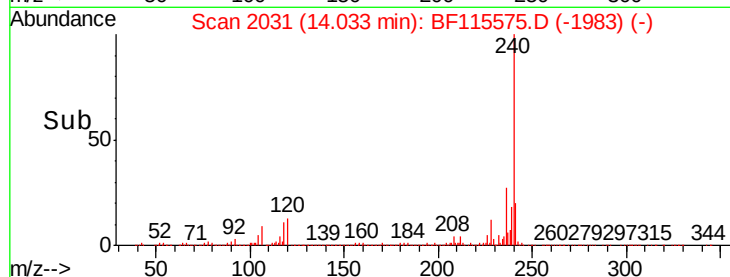
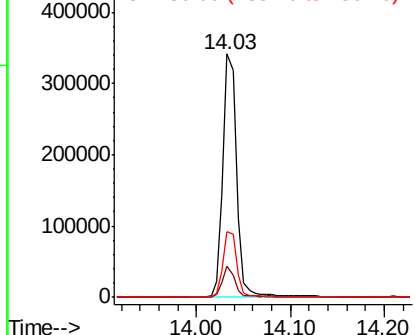
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Instrument :
BNA_F
ClientSampleId :
CL-01-071219-D

Tot Ion:240 Resp: 351731
Ion Ratio Lower Upper
240 100
120 12.8 8.6 13.0
236 26.8 21.3 31.9

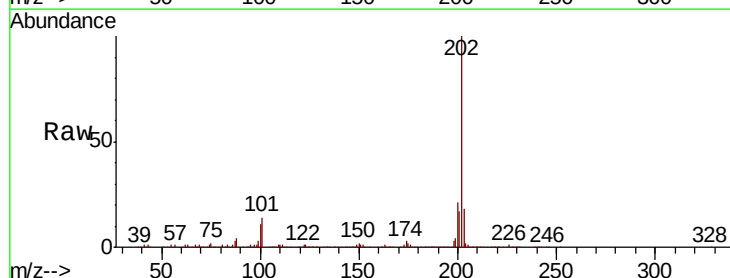


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

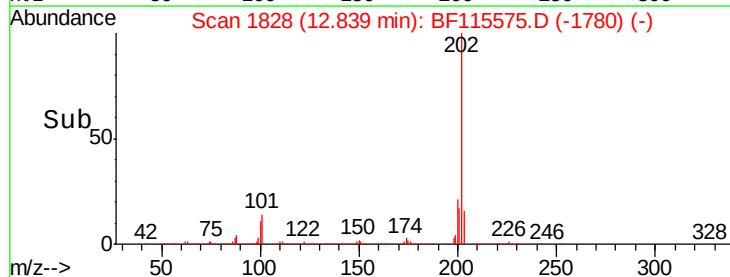
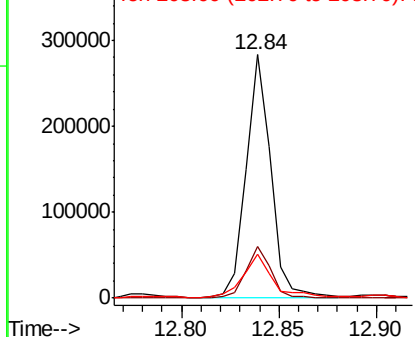


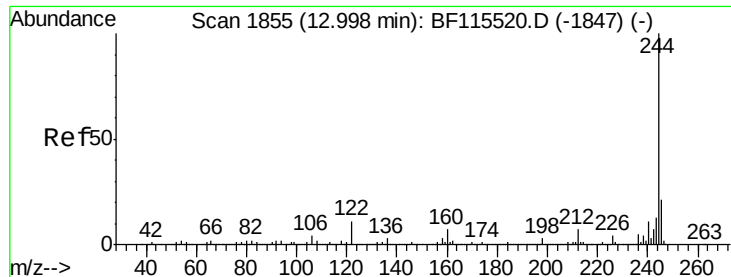
#78
Pyrene
Concen: 8.250 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Tgt Ion:202 Resp: 245848
Ion Ratio Lower Upper
202 100
200 21.1 18.7 28.1
203 17.8 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: 35.148 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Instrument :

BNA_F

ClientSampleId :

CL-01-071219-D

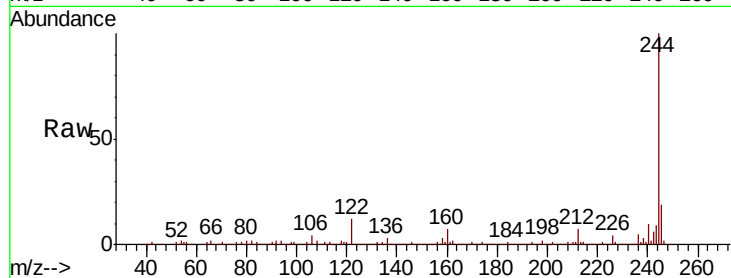
Tot Ion:244 Resp: 669992

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

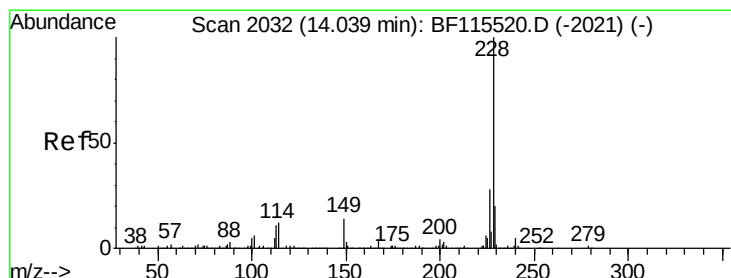
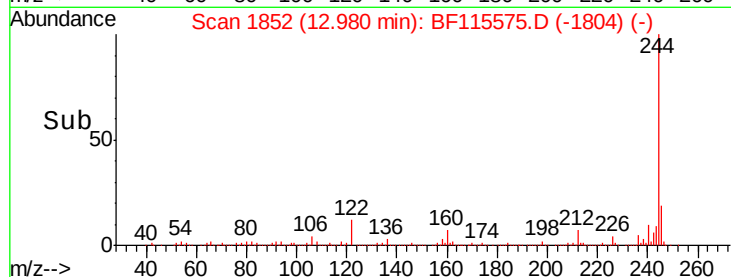
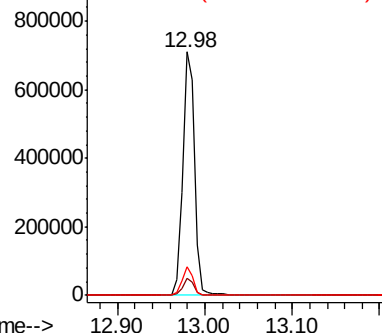
122 11.9 8.6 12.8



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



#81

Benzo(a)anthracene

Concen: 4.097 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

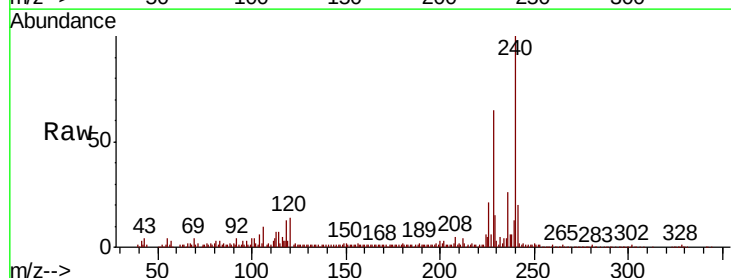
Tgt Ion:228 Resp: 94943

Ion Ratio Lower Upper

228 100

226 32.9 23.4 35.0

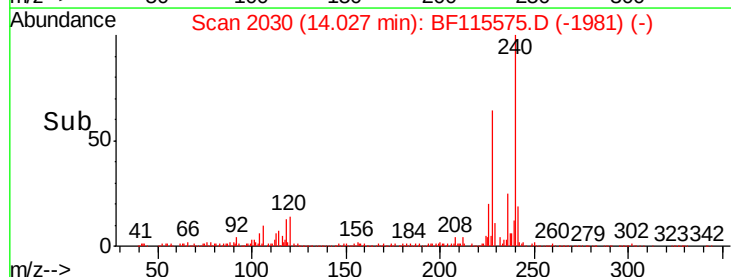
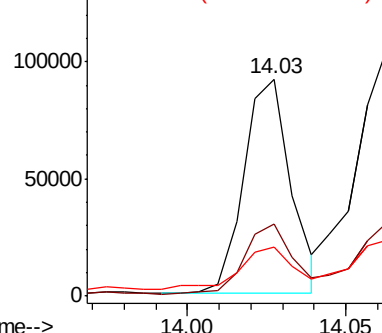
229 22.4 17.2 25.8

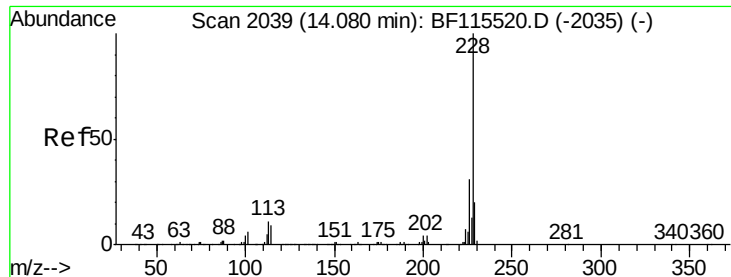


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.638 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.02 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Instrument :

BNA_F

ClientSampleID :

CL-01-071219-D

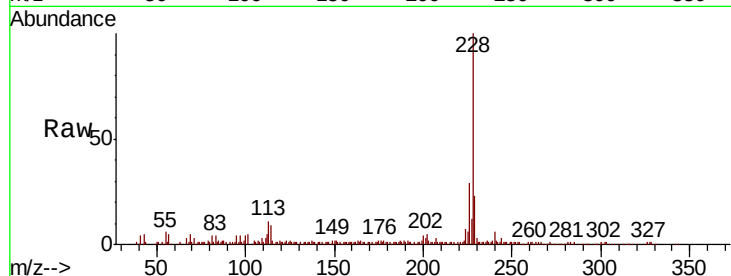
Tot Ion:228 Resp: 107885

Ion Ratio Lower Upper

228 100

226 29.4 25.7 38.5

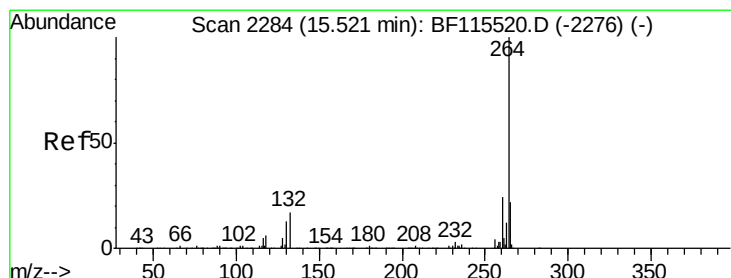
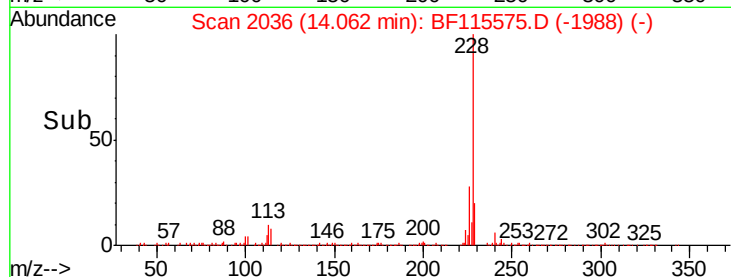
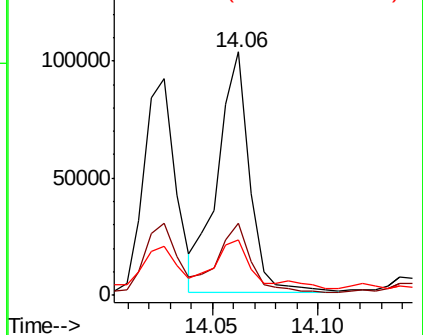
229 22.9 16.6 25.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

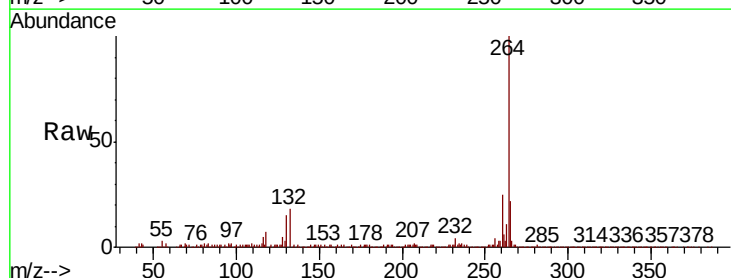
Tgt Ion:264 Resp: 386380

Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.8

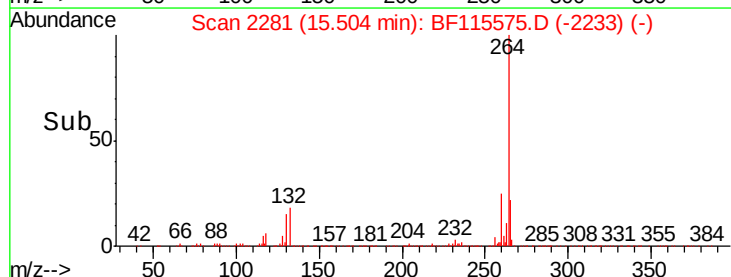
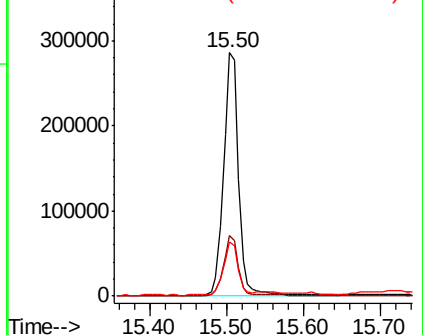
265 22.2 17.7 26.5

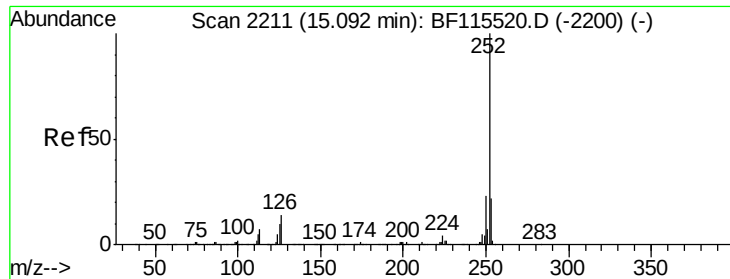


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.149 ng/mL

RT: 15.07 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Instrument :

BNA_F

ClientSampleId :

CL-01-071219-D

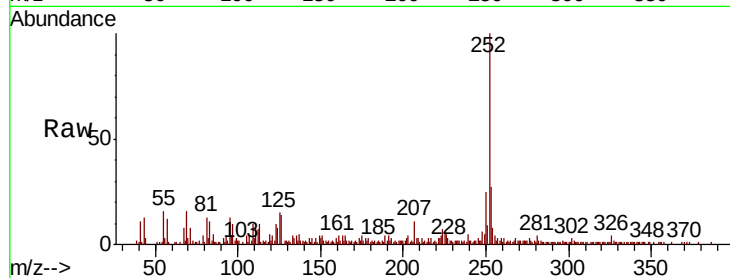
Tot Ion:252 Resp: 78344

Ion Ratio Lower Upper

252 100

253 27.3 18.1 27.1#

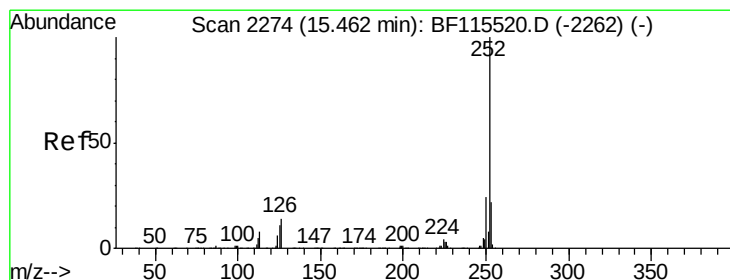
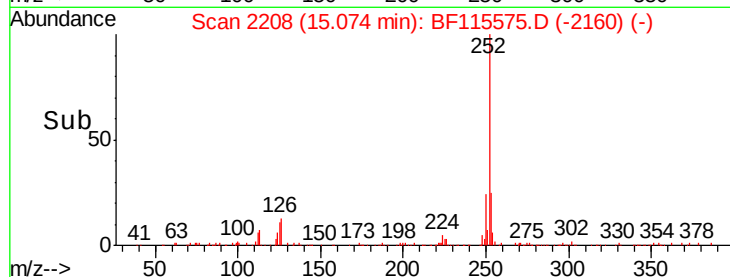
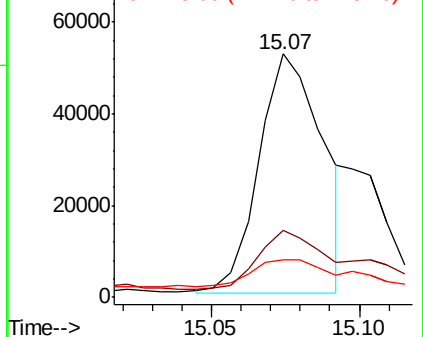
125 15.2 9.0 13.4#



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



#90

Benzo(a)pyrene

Concen: 3.422 ng/mL

RT: 15.44 min Scan# 2270

Delta R.T. -0.02 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

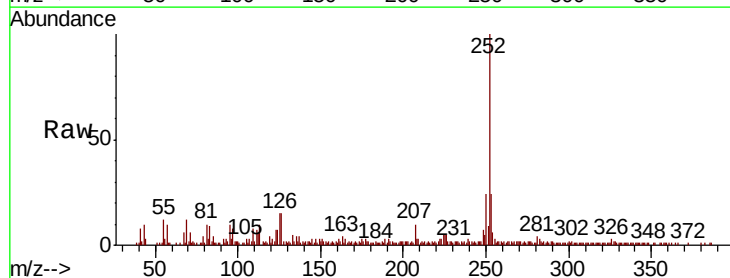
Tgt Ion:252 Resp: 73174

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

125 14.9 9.1 13.7#



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

