

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
 Data File : BF115882.D
 Acq On : 31 Jul 2019 22:33
 Operator : HP/JU
 Sample : K4066-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Quant Time: Aug 01 04:59:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	132842	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	487457	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	229318	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	335516	20.00	ng	0.00
76) Chrysene-d12	14.02	240	296860	20.00	ng	0.00
87) Perylene-d12	15.49	264	323144	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	780897	98.41	ng	0.01
7) Phenol-d6	6.49	99	1007169	100.60	ng	0.00
23) Nitrobenzene-d5	7.41	82	618744	73.27	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	193319	86.95	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	930087	75.97	ng	0.00
79) Terphenyl-d14	12.96	244	762213	54.10	ng	0.00

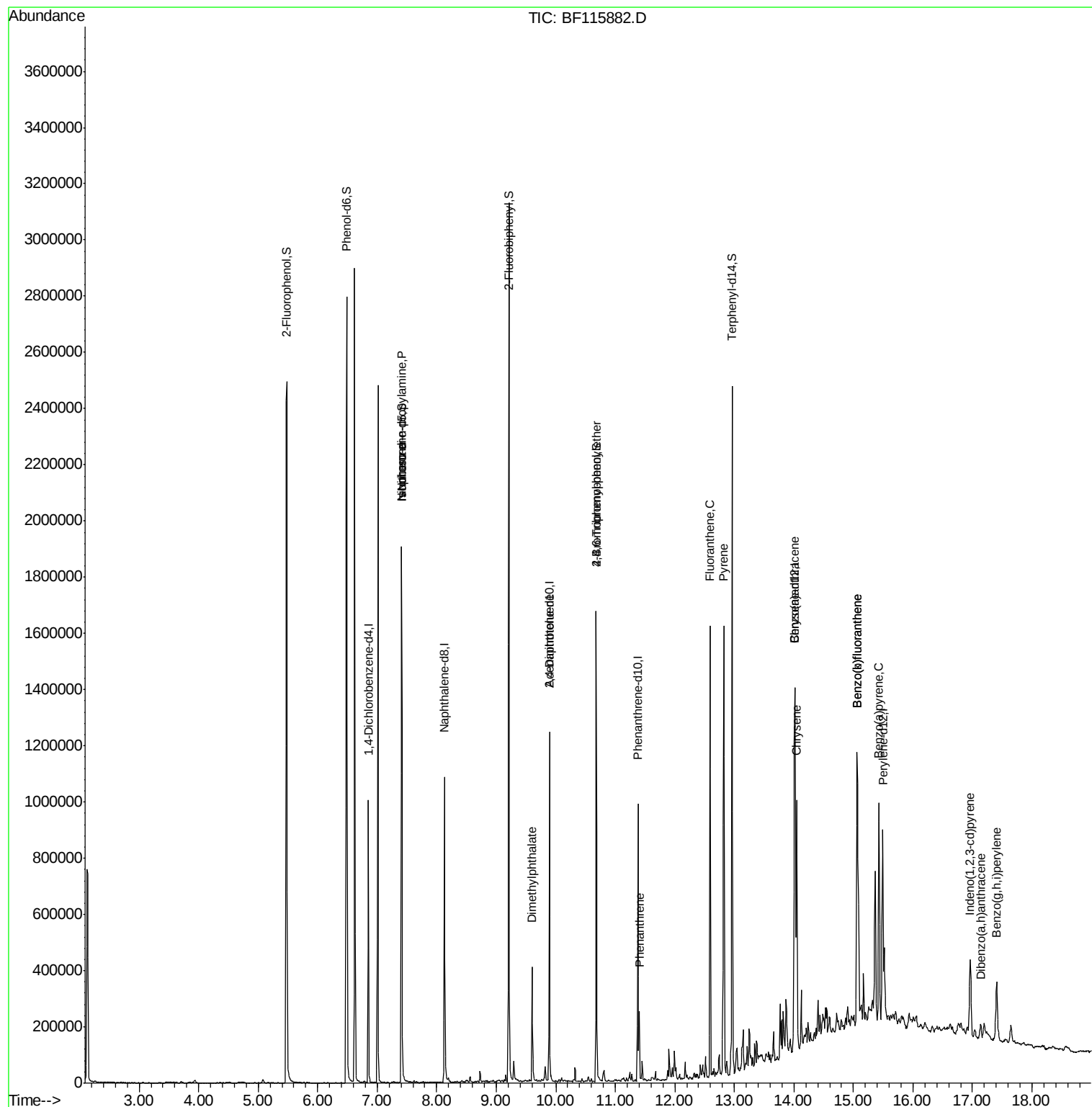
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	82822	13.350	ng	# 79
25) Isophorone	7.41	82	616476	38.177	ng	# 66
50) Dimethylphthalate	9.60	163	146654	9.392	ng	98
57) 2,4-Dinitrotoluene	9.89	165	29408	6.509	ng	# 24
67) 4-Bromophenyl-phenylether	10.68	248	11216	3.123	ng	# 1
71) Phenanthrene	11.40	178	94017	5.481	ng	97
75) Fluoranthene	12.59	202	598014	33.303	ng	99
78) Pyrene	12.82	202	635129	28.382	ng	99
81) Benzo(a)anthracene	14.01	228	389480	20.527	ng	99
83) Chrysene	14.04	228	337384	18.315	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	185500	11.990	ng	96
88) Benzo(b)fluoranthene	15.06	252	699893	37.458	ng	# 96
89) Benzo(k)fluoranthene	15.06	252	699893	38.458	ng	100
90) Benzo(a)pyrene	15.43	252	384264	23.006	ng	97
91) Dibenzo(a,h)anthracene	17.14	278	35185	2.434	ng	95
92) Benzo(g,h,i)perylene	17.41	276	180177	12.689	ng	98

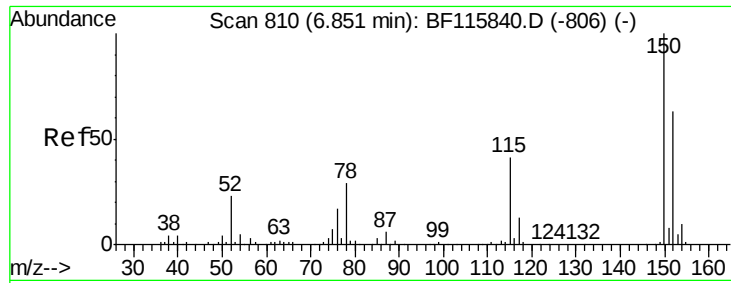
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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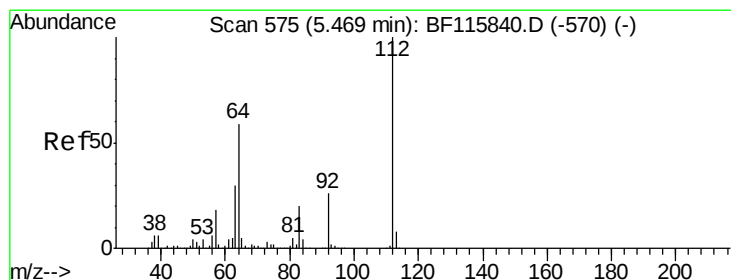
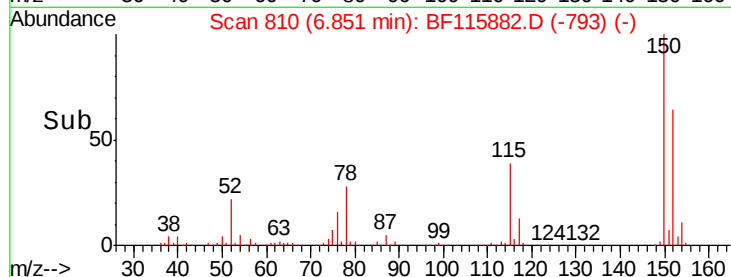
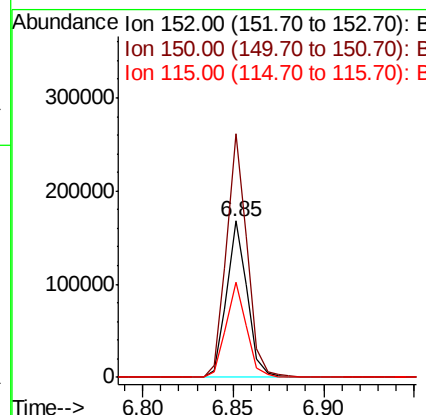
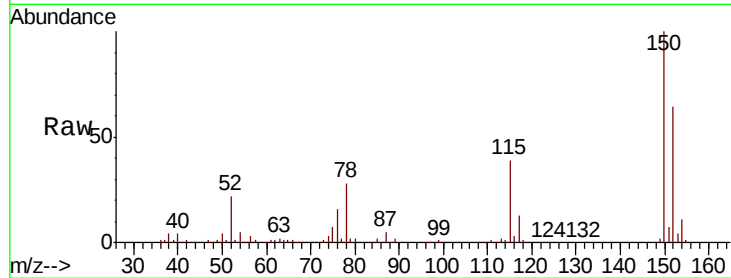




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

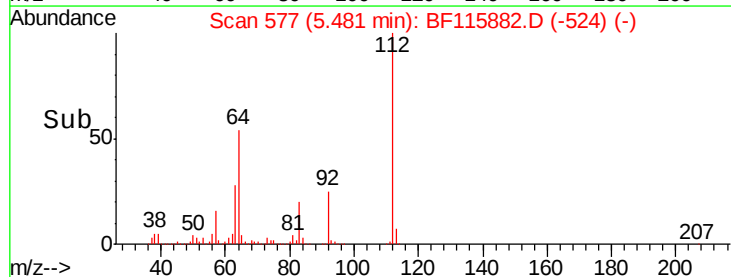
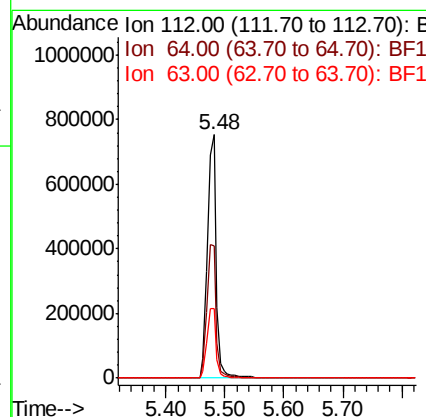
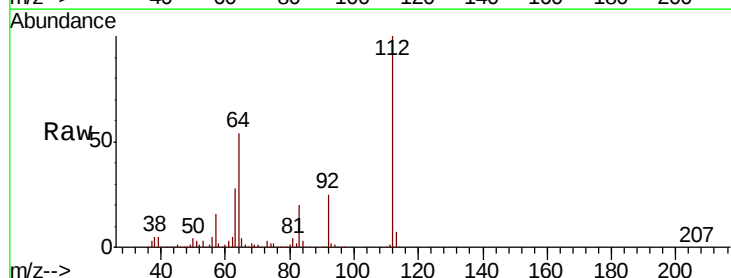
Instrument :
 BNA_F
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 TP-13

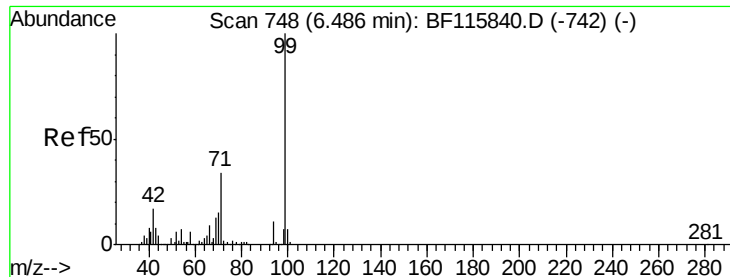
Tgt Ion:152 Resp: 132842
 Ion Ratio Lower Upper
 152 100
 150 155.9 127.4 191.0
 115 61.3 51.8 77.8



#5
 2-Fluorophenol
 Concen: 98.408 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

Tgt Ion:112 Resp: 780897
 Ion Ratio Lower Upper
 112 100
 64 54.3 46.8 70.2
 63 28.5 24.2 36.2





#7

Phenol-d6

Concen: 100.598 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Instrument :

BNA_F

ClientSampleId :

TP-13

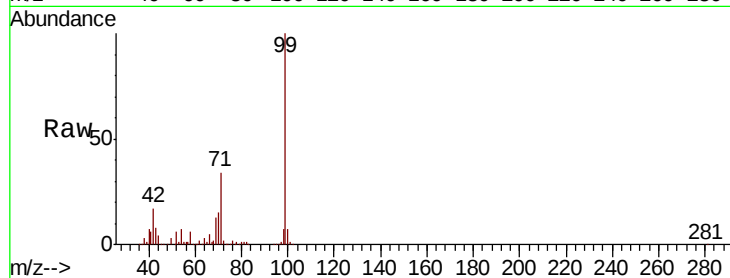
Tgt Ion: 99 Resp: 1007169

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.6

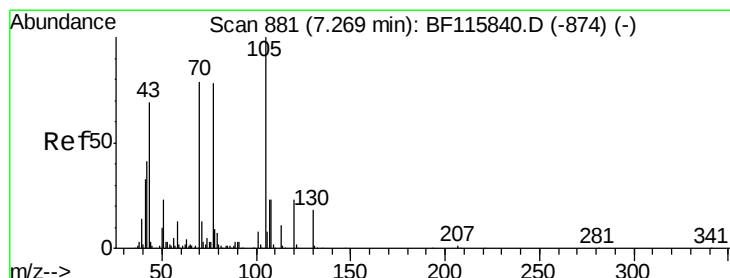
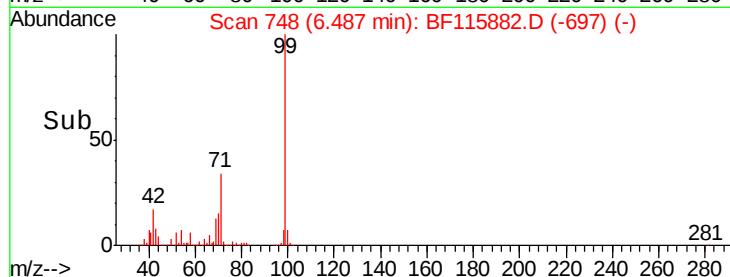
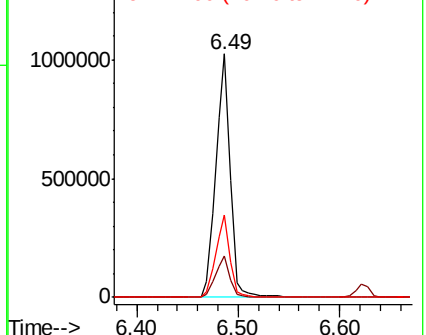
71 33.9 27.1 40.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.350 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Tgt Ion: 70 Resp: 82822

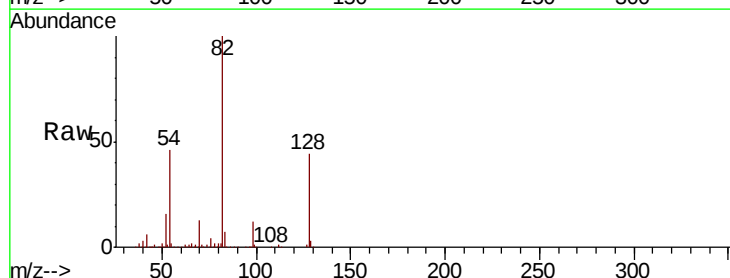
Ion Ratio Lower Upper

70 100

42 44.8 41.8 62.8

101 0.0 7.7 11.5#

130 2.0 17.8 26.6#

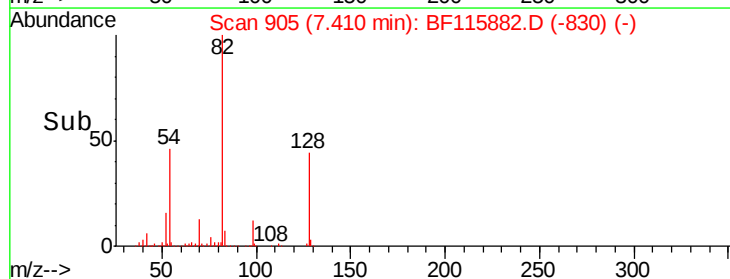
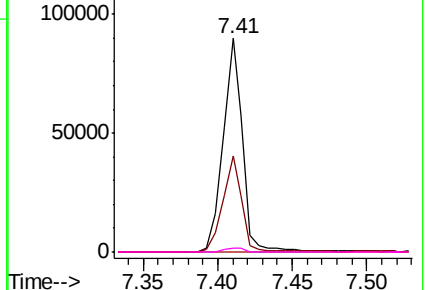


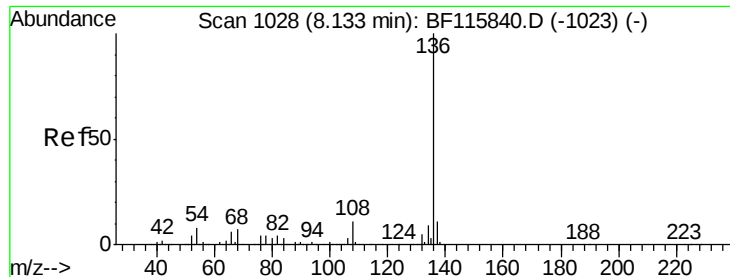
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

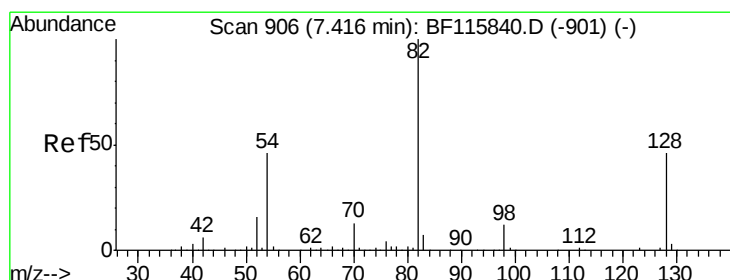
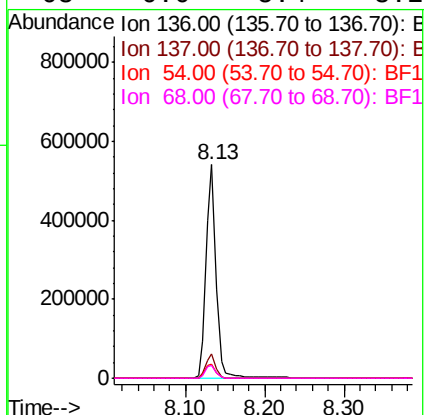
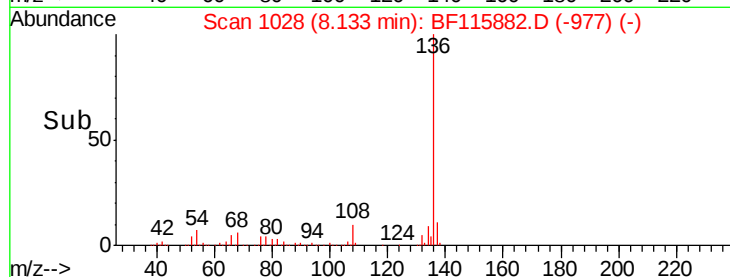
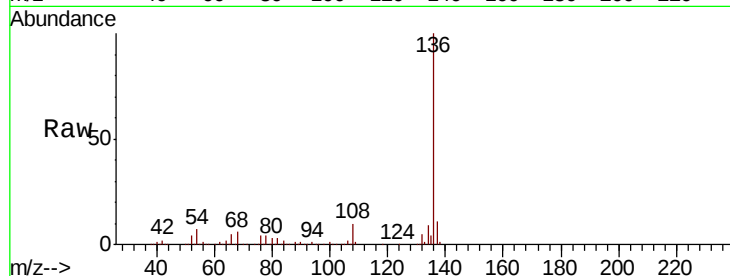




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

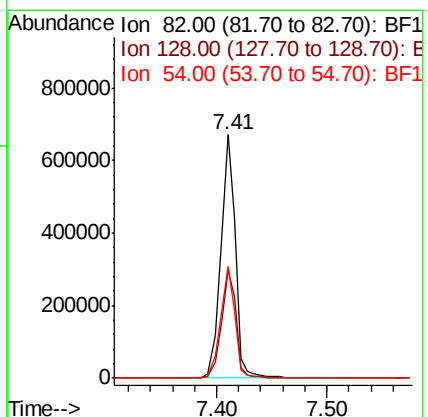
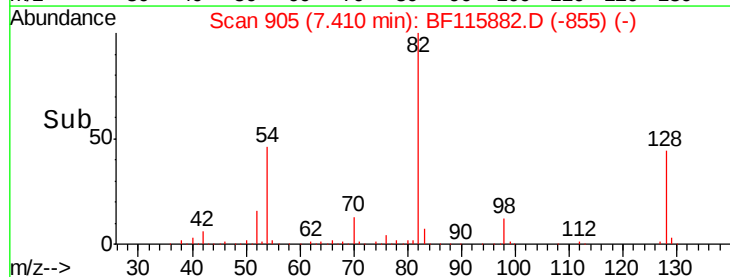
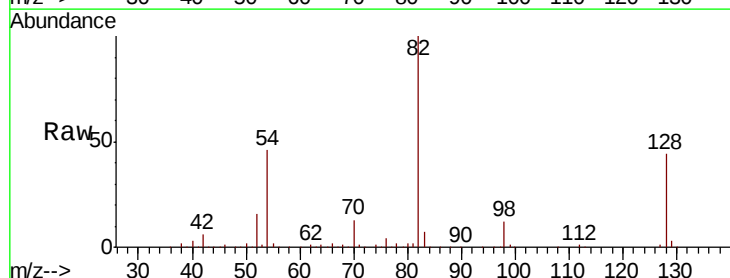
Instrument :
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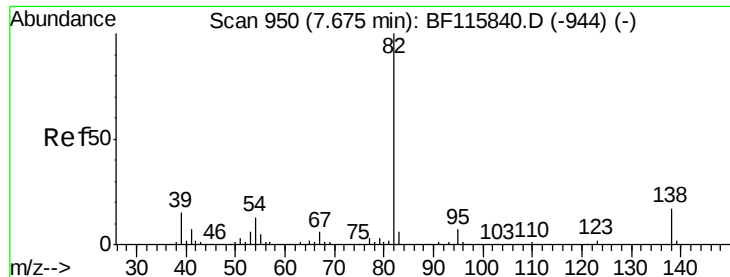
Tgt Ion: 136 Resp: 487457
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 6.8 6.1 9.1
68 6.0 5.4 8.2



#23
Nitrobenzene-d5
Concen: 73.270 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Tgt Ion: 82 Resp: 618744
Ion Ratio Lower Upper
82 100
128 44.4 36.6 55.0
54 45.8 36.6 55.0





#25

Isophorone

Concen: 38.177 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Instrument :

BNA_F

ClientSampled :

TP-13

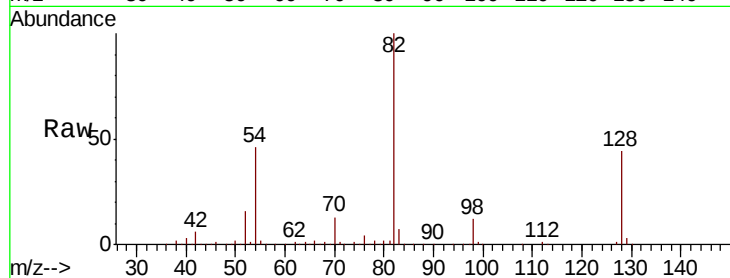
Tgt Ion: 82 Resp: 616476

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

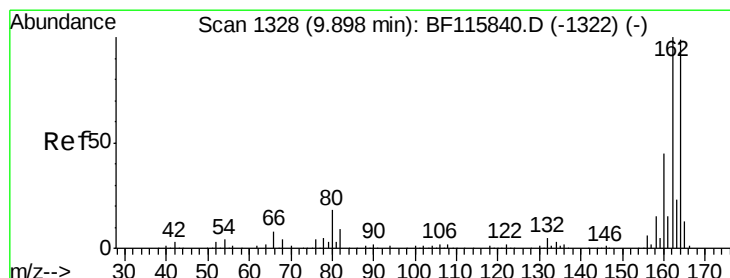
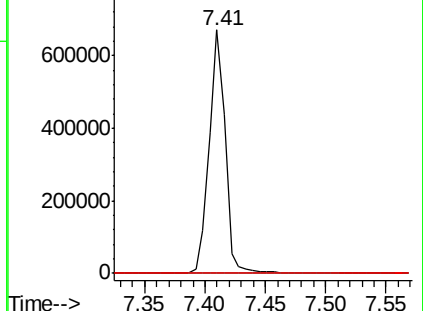
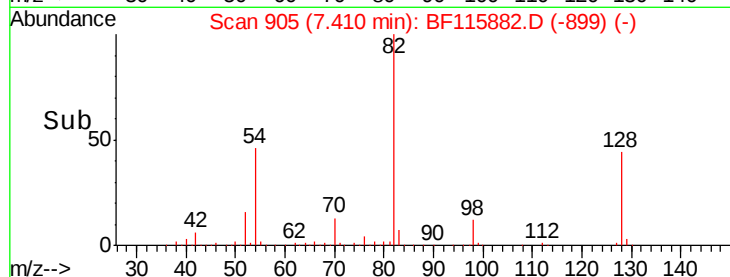
138 0.0 13.9 20.9#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

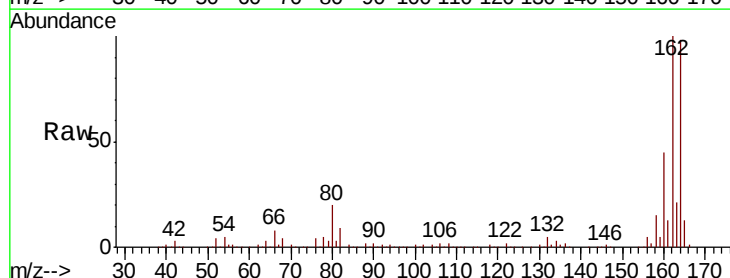
Tgt Ion: 164 Resp: 229318

Ion Ratio Lower Upper

164 100

162 101.9 80.8 121.2

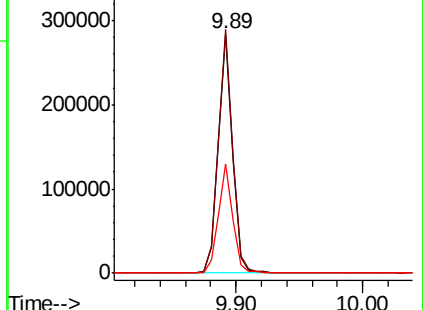
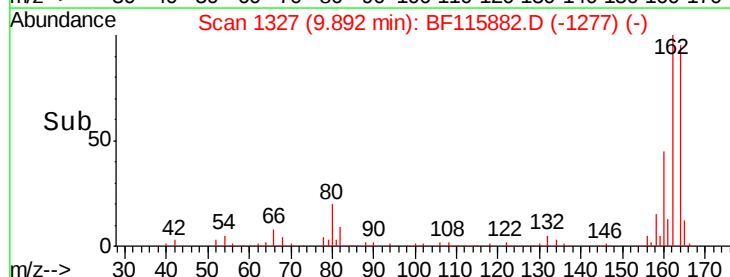
160 46.0 36.2 54.4

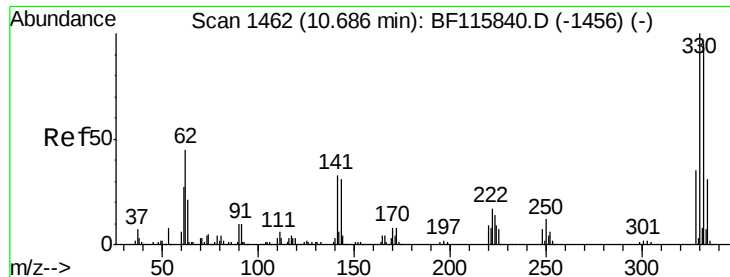


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

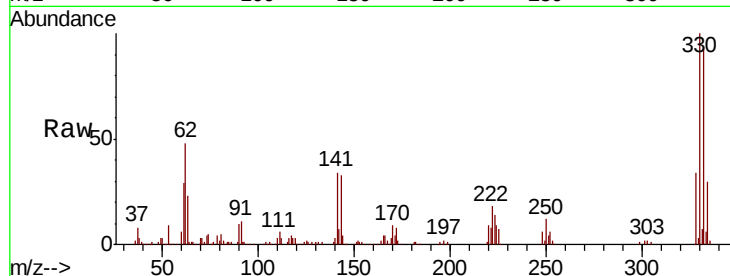




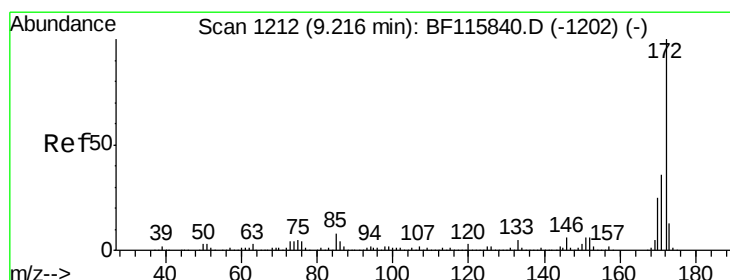
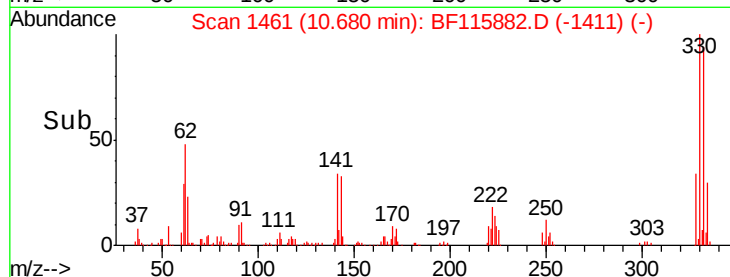
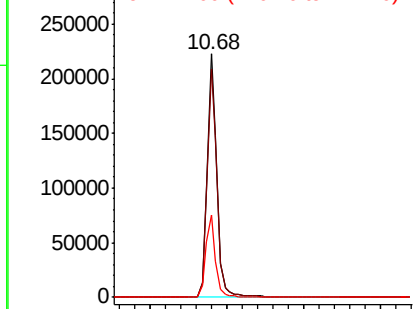
#42
 2,4,6-Tribromophenol
 Concen: 86.951 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Tgt Ion:330 Resp: 193319
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.7 116.5
 141 34.6 28.1 42.1

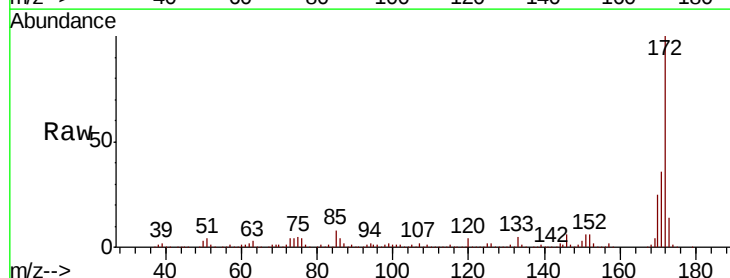


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

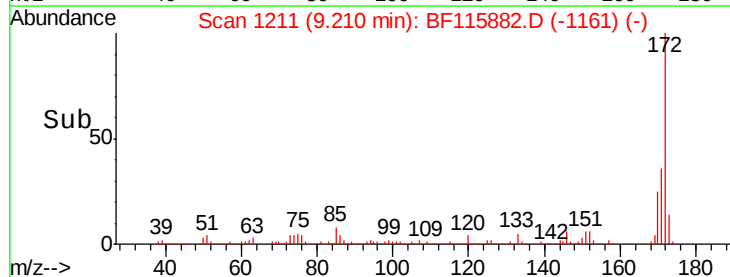
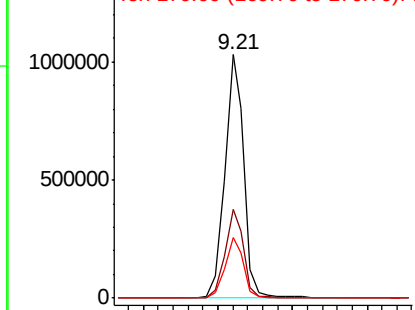


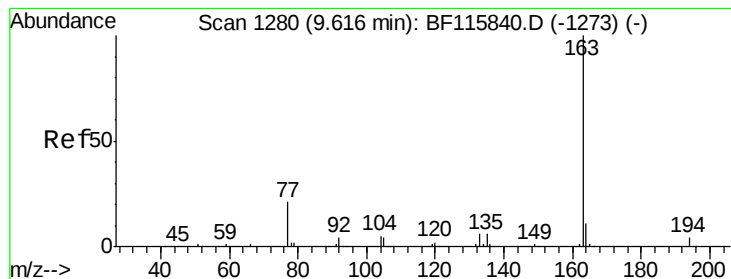
#45
 2-Fluorobiphenyl
 Concen: 75.970 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

Tgt Ion:172 Resp: 930087
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.1 43.7
 170 24.7 20.1 30.1



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: 9.392 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Instrument :

BNA_F

ClientSampleId :

TP-13

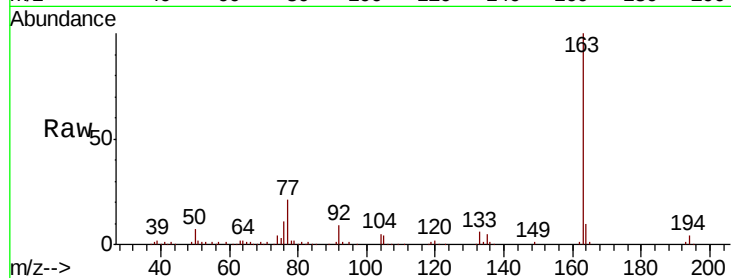
Tgt Ion:163 Resp: 146654

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

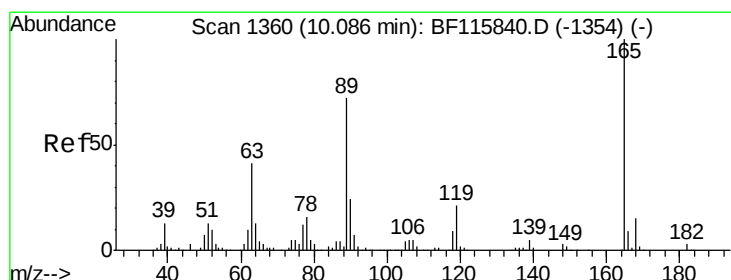
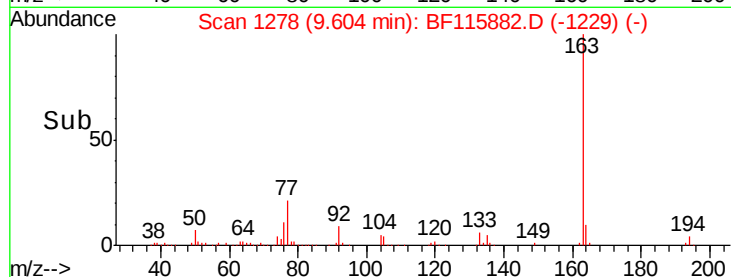
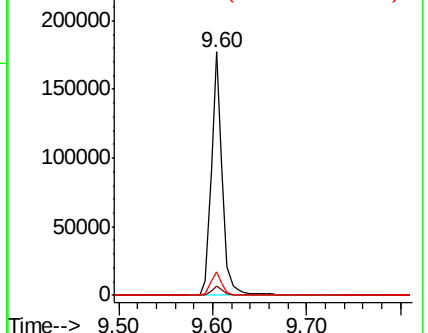
164 9.8 8.4 12.6



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



#57

2,4-Dinitrotoluene

Concen: 6.509 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Tgt Ion:165 Resp: 29408

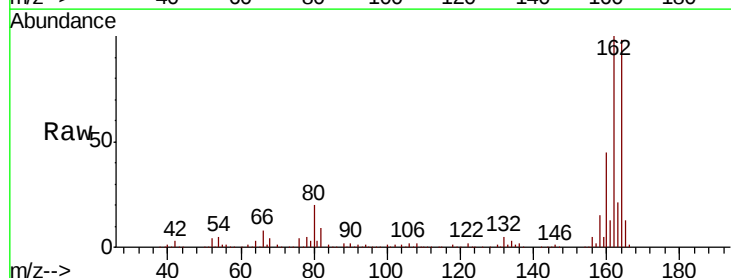
Ion Ratio Lower Upper

165 100

63 1.3 33.2 49.8#

89 1.1 57.3 85.9#

182 0.0 2.1 3.1#

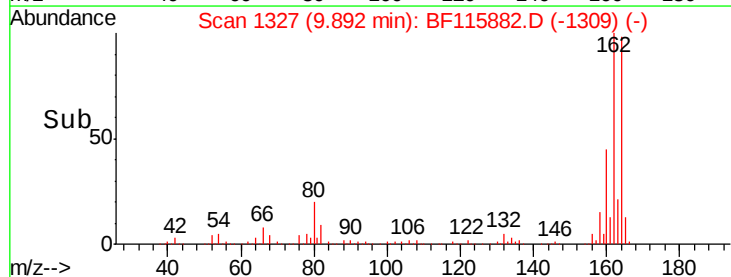
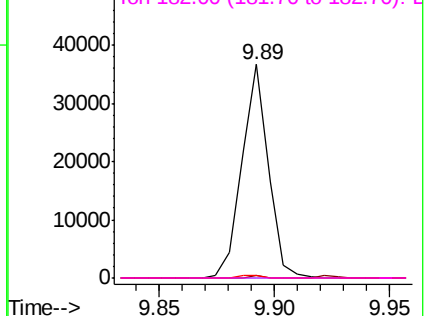


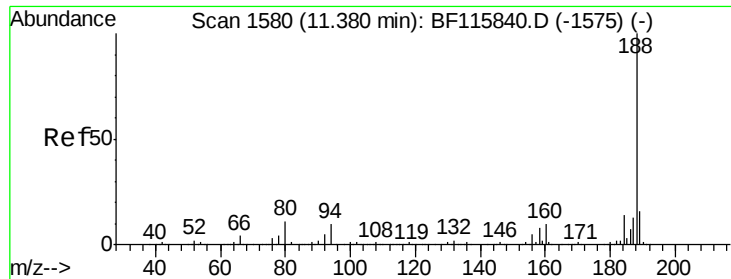
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

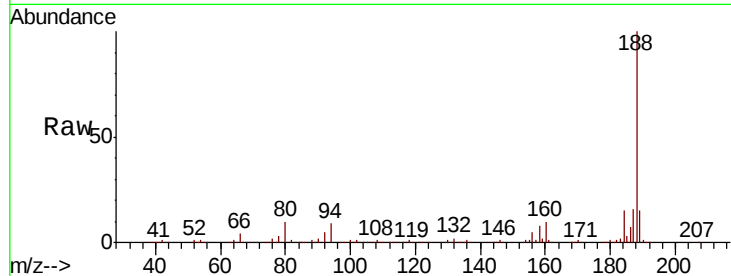




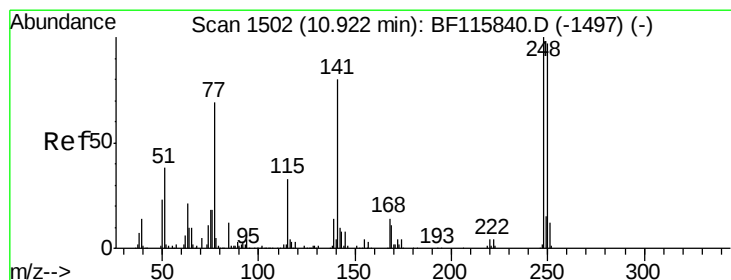
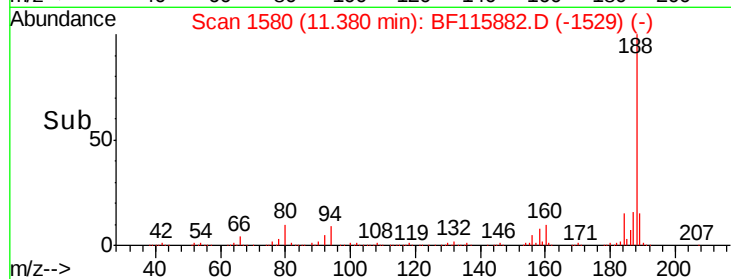
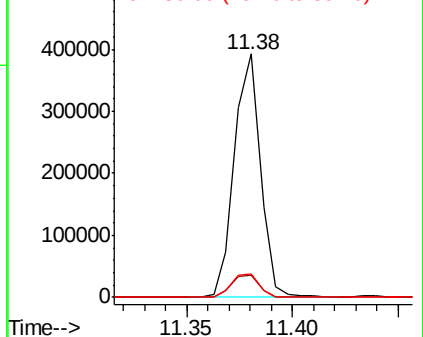
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

Instrument :
 BNA_F
 ClientSampled :
 TP-13

Tgt Ion:188 Resp: 335516
 Ion Ratio Lower Upper
 188 100
 94 8.9 8.0 12.0
 80 9.7 8.6 12.8

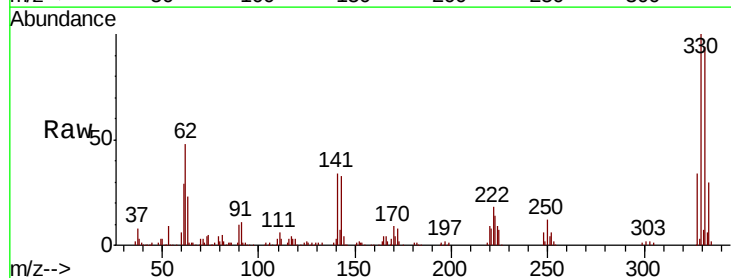


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

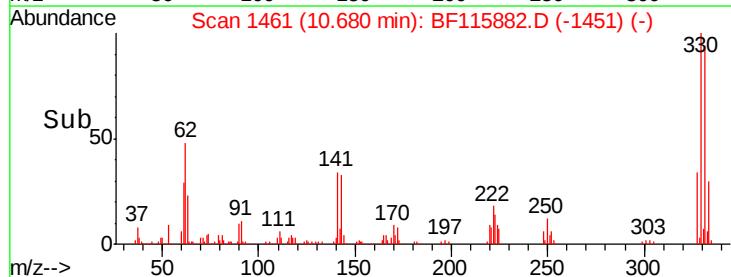
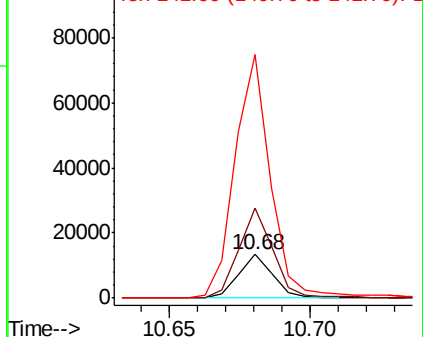


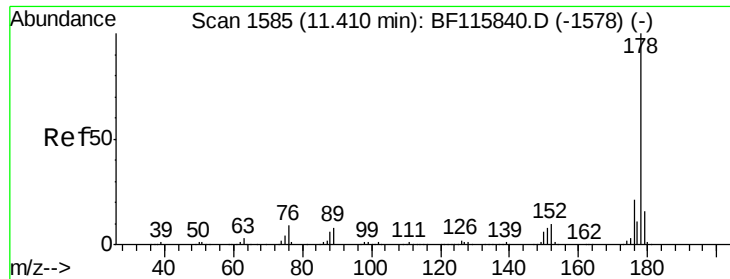
#67
 4-Bromophenyl-phenylether
 Concen: 3.123 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.24 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

Tgt Ion:248 Resp: 11216
 Ion Ratio Lower Upper
 248 100
 250 205.6 77.8 116.6#
 141 558.7 64.3 96.5#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

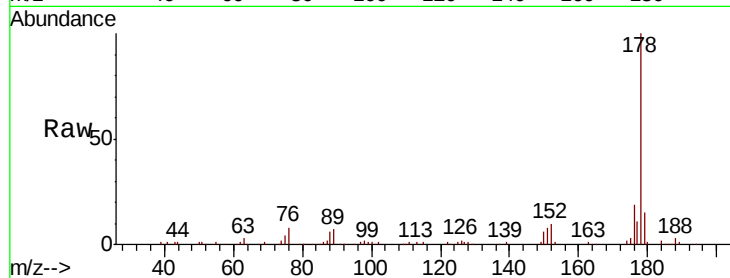




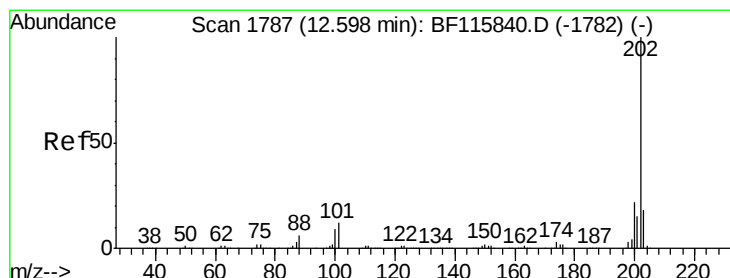
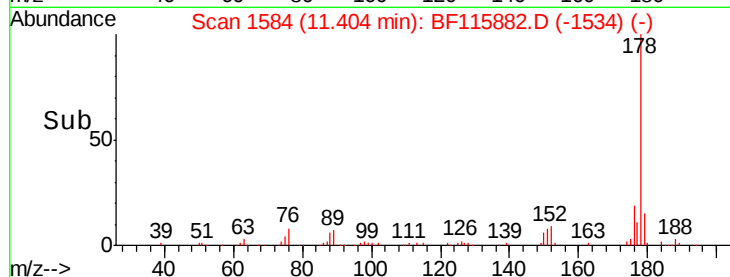
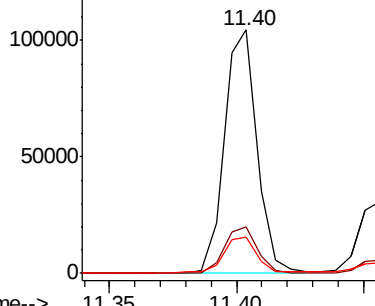
#71
Phenanthrene
Concen: 5.481 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Instrument :
BNA_F
ClientSampled :
TP-13

Tgt Ion:178 Resp: 94017
Ion Ratio Lower Upper
178 100
176 19.1 16.5 24.7
179 14.8 12.6 18.8

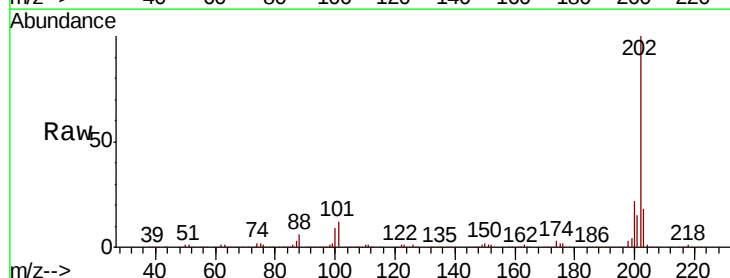


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

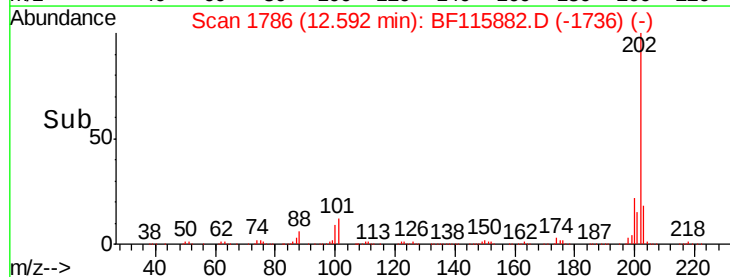
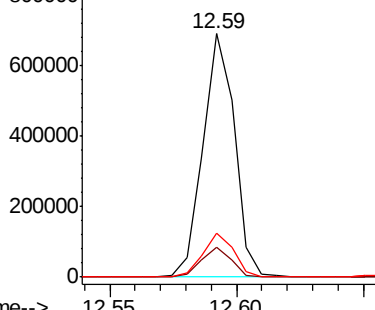


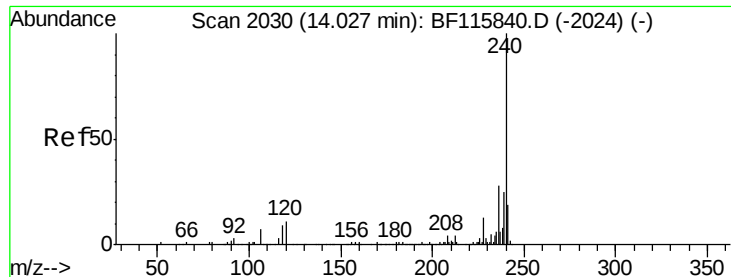
#75
Fluoranthene
Concen: 33.303 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Tgt Ion:202 Resp: 598014
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.5
203 18.0 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

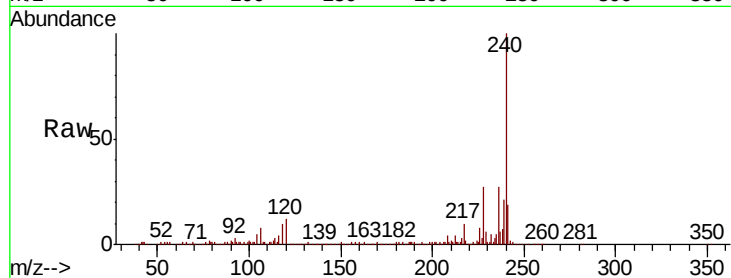




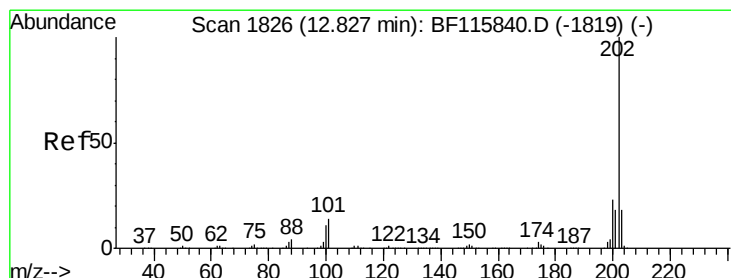
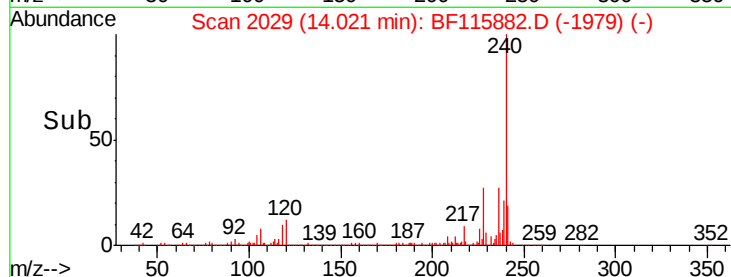
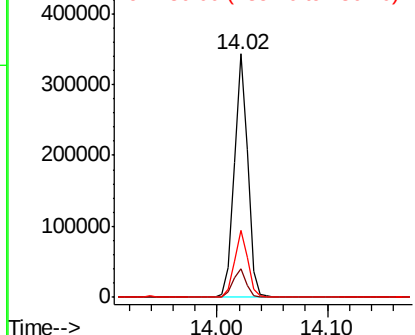
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
TP-13

Tgt Ion:240 Resp: 296860
Ion Ratio Lower Upper
240 100
120 11.9 8.5 12.7
236 27.3 22.2 33.2

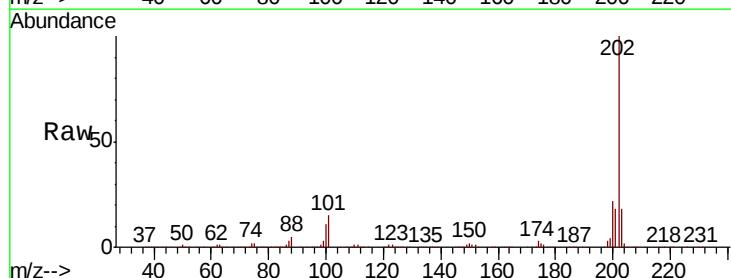


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

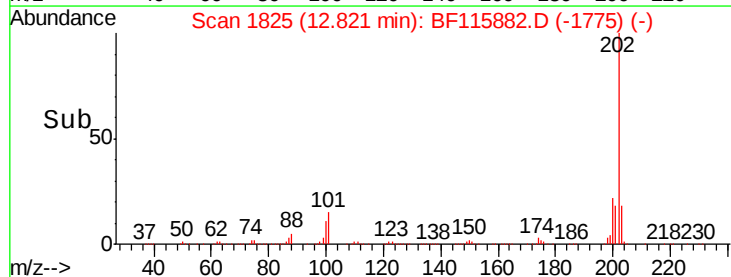
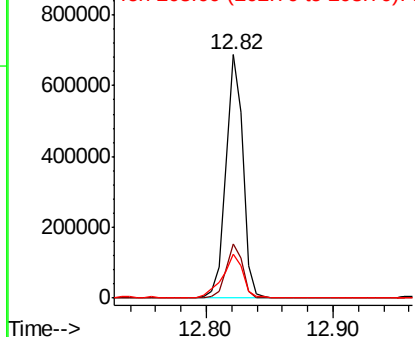


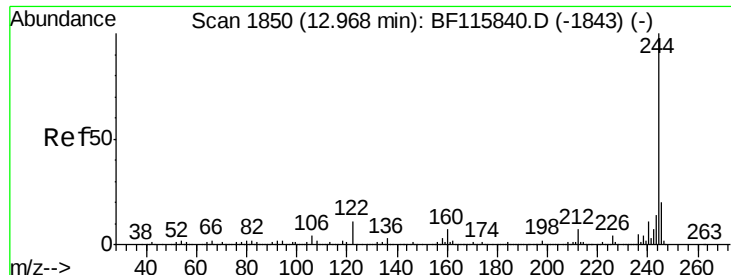
#78
Pyrene
Concen: 28.382 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Tgt Ion:202 Resp: 635129
Ion Ratio Lower Upper
202 100
200 22.4 18.2 27.2
203 18.2 14.3 21.5



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





#79

Terphenyl-d14

Concen: 54.103 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Instrument :

BNA_F

ClientSampleId :

TP-13

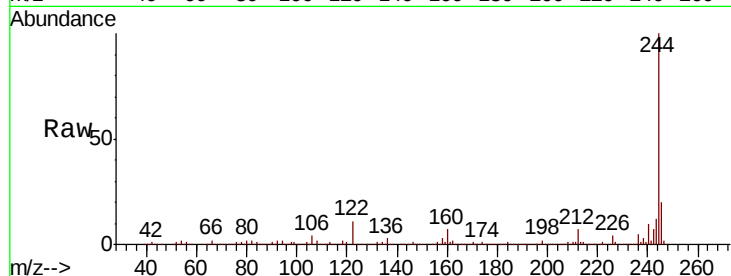
Tgt Ion:244 Resp: 762213

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

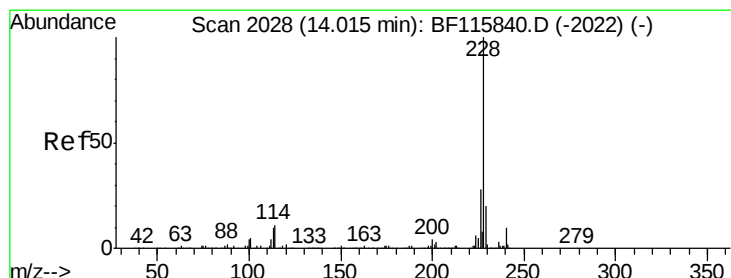
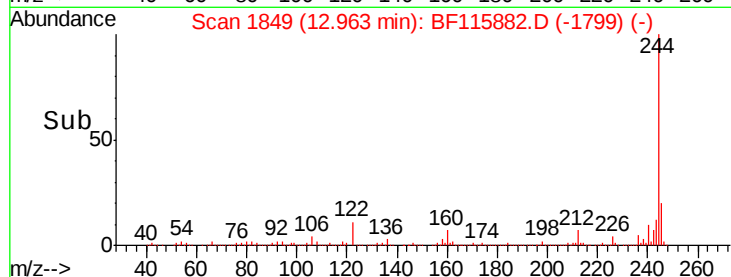
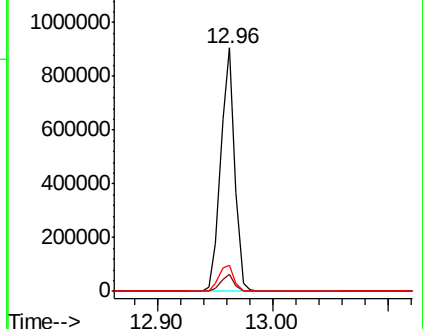
122 10.9 8.6 13.0



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



#81

Benzo(a)anthracene

Concen: 20.527 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

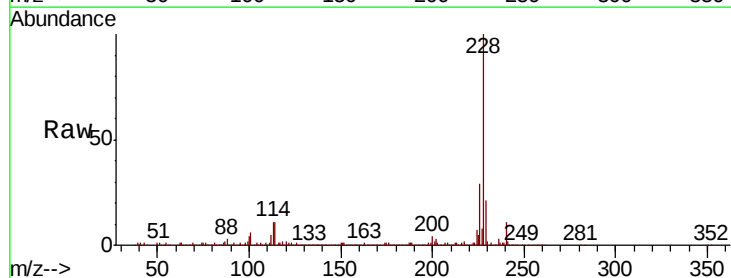
Tgt Ion:228 Resp: 389480

Ion Ratio Lower Upper

228 100

226 28.6 22.5 33.7

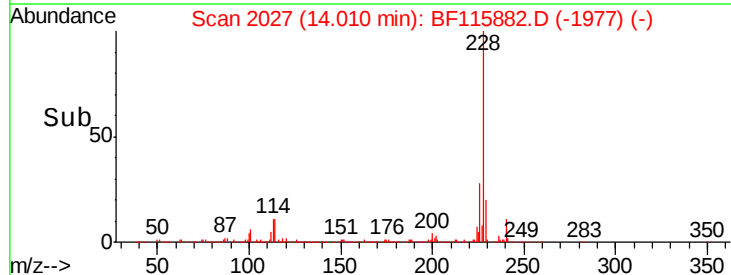
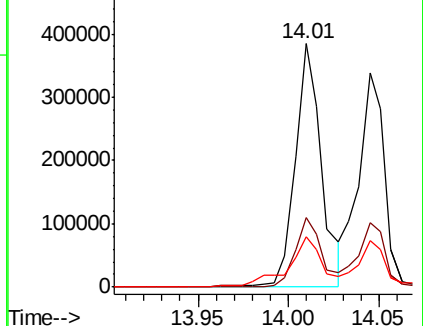
229 20.6 16.1 24.1

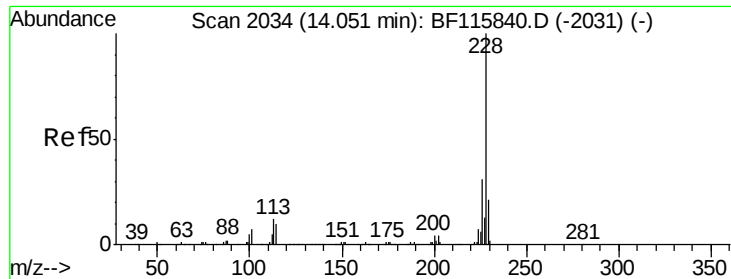


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 18.315 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Instrument :

BNA_F

ClientSampleId :

TP-13

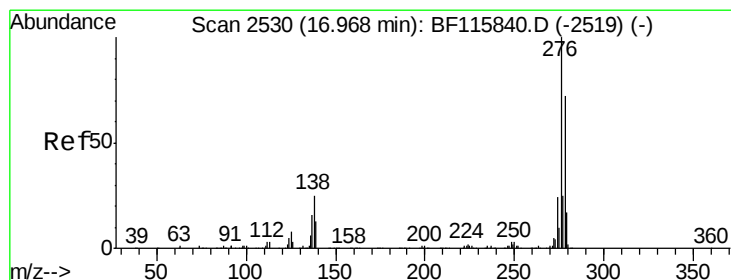
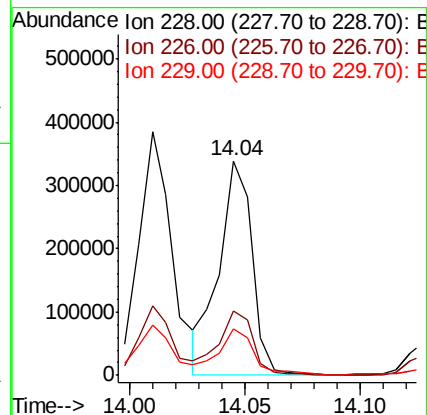
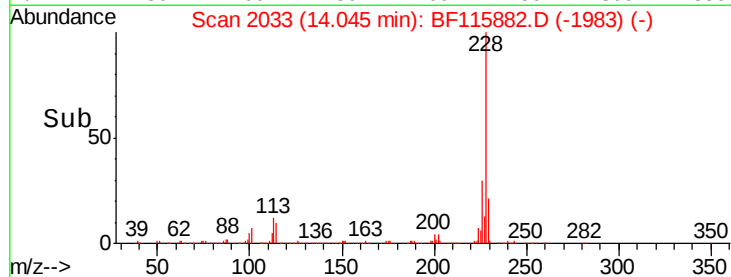
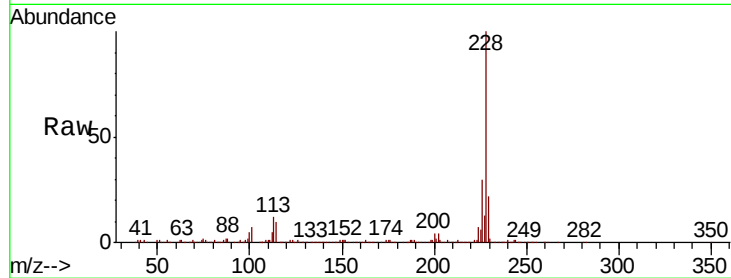
Tgt Ion:228 Resp: 337384

Ion Ratio Lower Upper

228 100

226 29.9 24.8 37.2

229 21.6 16.4 24.6



#86

Indeno(1,2,3-cd)pyrene

Concen: 11.990 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

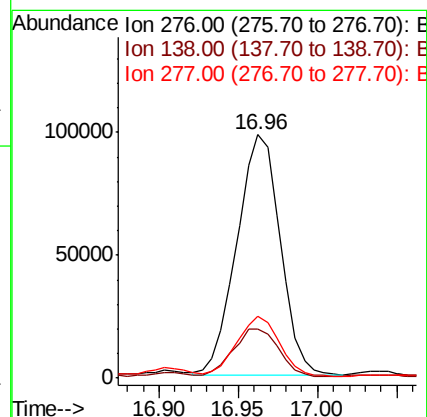
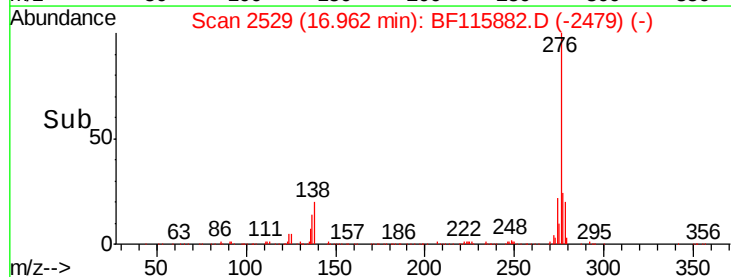
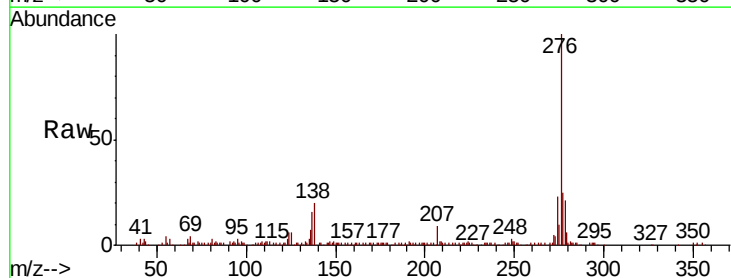
Tgt Ion:276 Resp: 185500

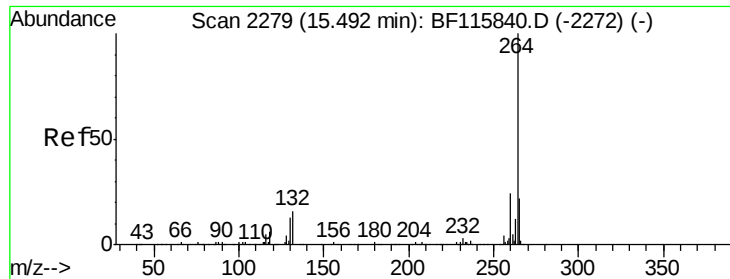
Ion Ratio Lower Upper

276 100

138 21.0 19.6 29.4

277 24.6 20.1 30.1

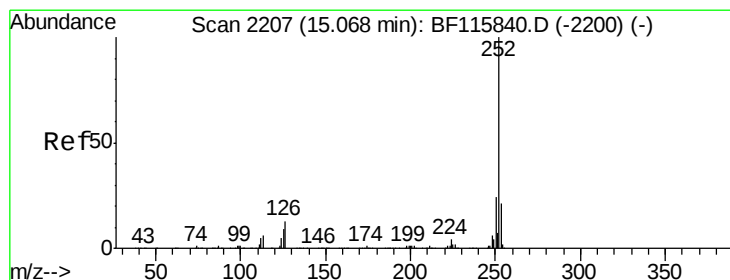
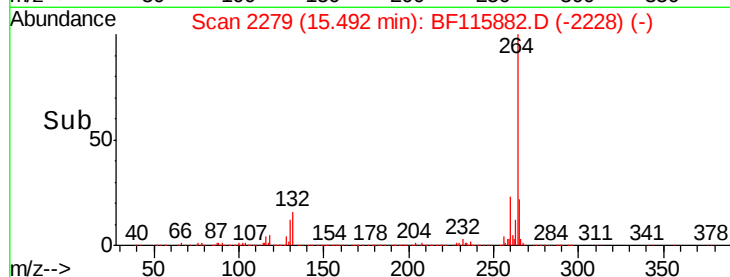
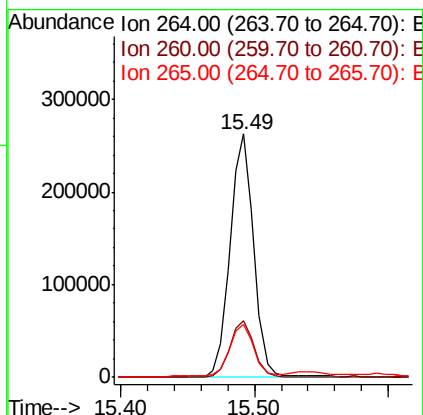
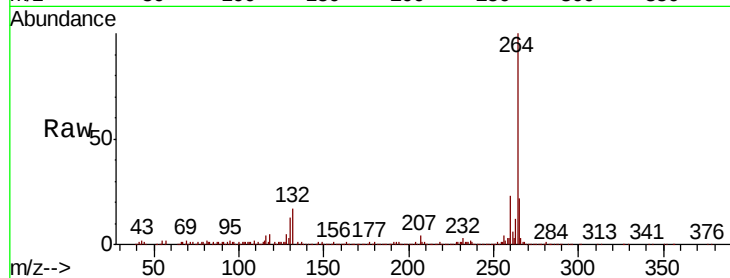




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

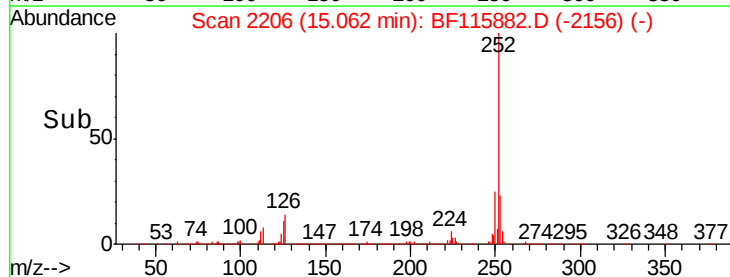
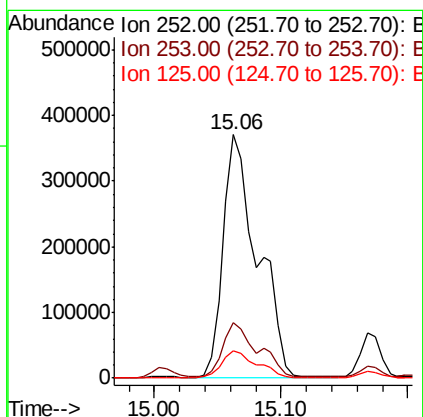
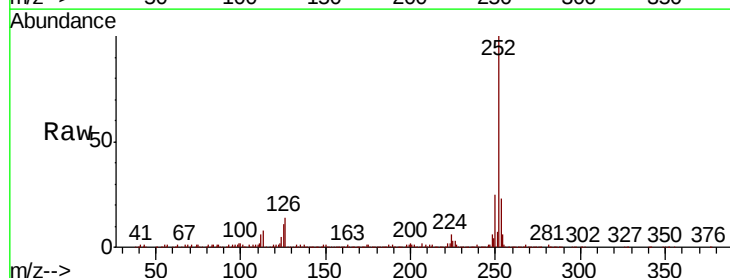
Instrument :
BNA_F
ClientSampleId :
TP-13

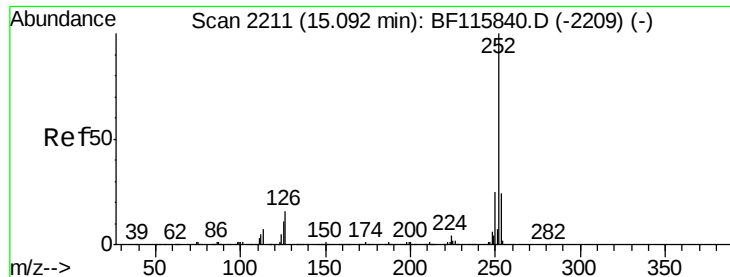
Tgt Ion:264 Resp: 323144
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 21.9 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 37.458 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Tgt Ion:252 Resp: 699893
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 11.2 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 38.458 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Instrument :

BNA_F

ClientSampleId :

TP-13

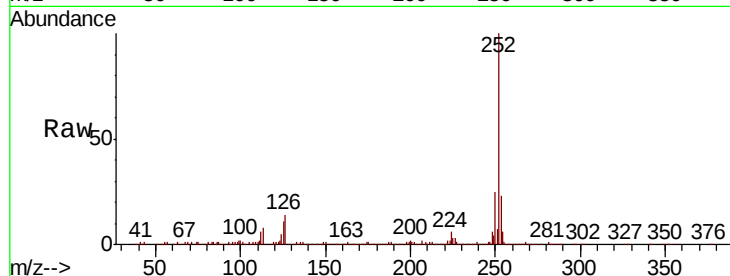
Tgt Ion:252 Resp: 699893

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.4

125 11.2 8.9 13.3

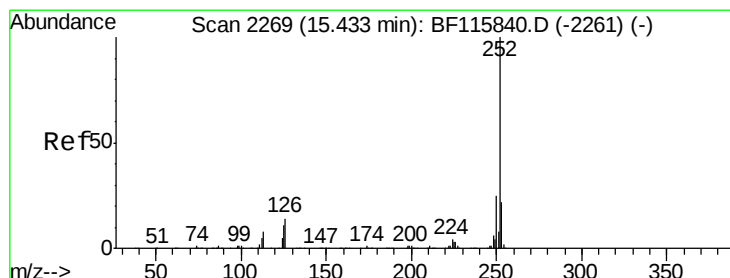
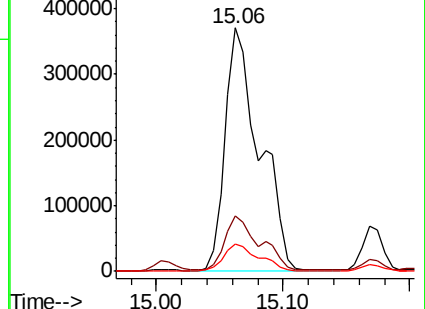
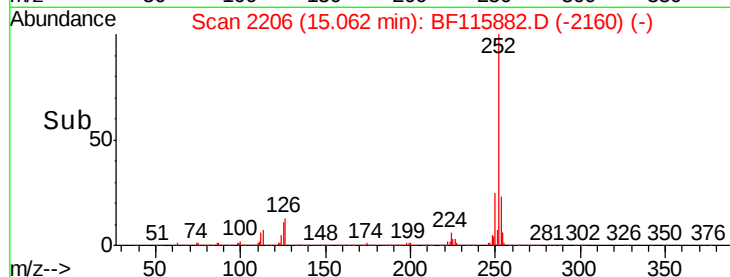


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#90

Benzo(a)pyrene

Concen: 23.006 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

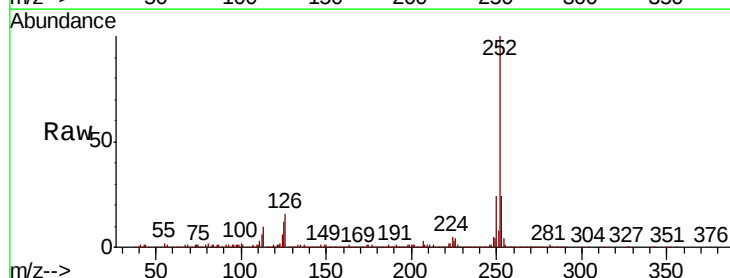
Tgt Ion:252 Resp: 384264

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 11.9 8.8 13.2

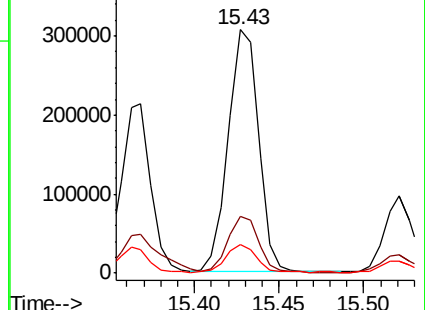
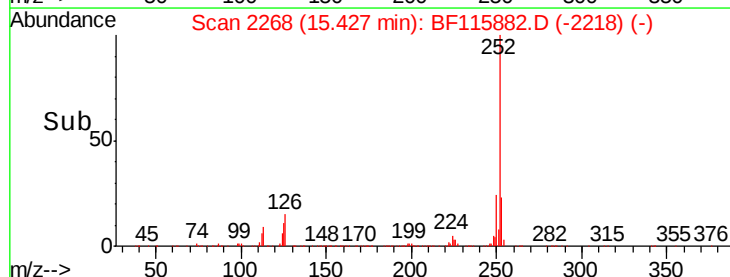


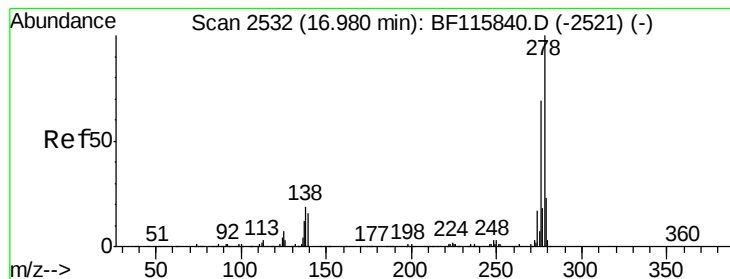
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->





#91

Dibenzo(a,h)anthracene

Concen: 2.434 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.16 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Instrument :

BNA_F

ClientSampled :

TP-13

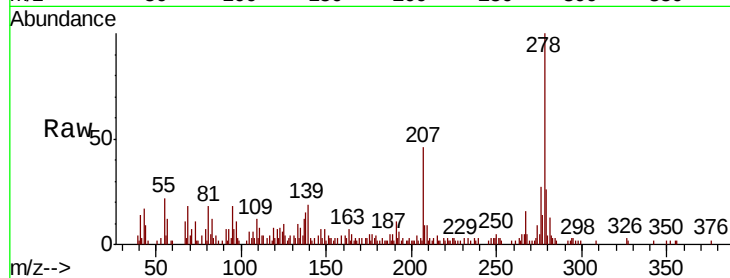
Tgt Ion:278 Resp: 35185

Ion Ratio Lower Upper

278 100

139 18.6 12.6 19.0

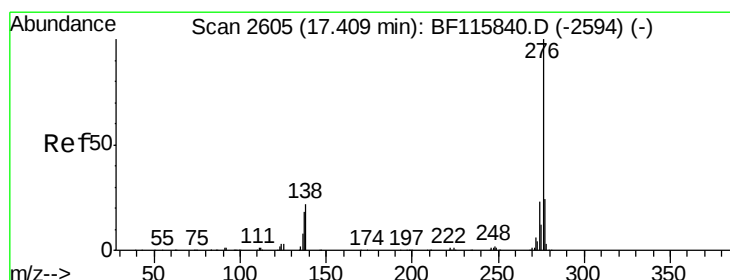
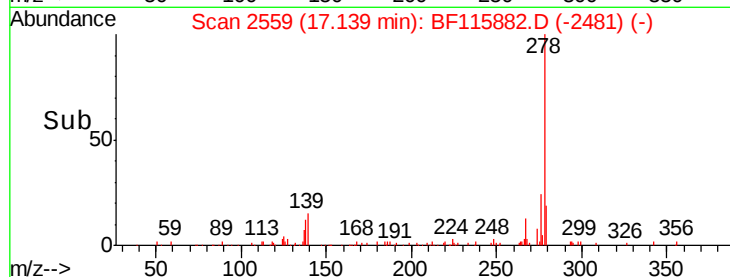
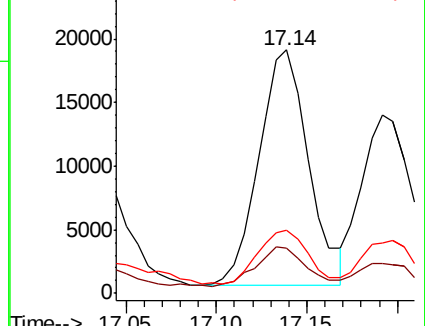
279 25.8 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 12.689 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.00 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

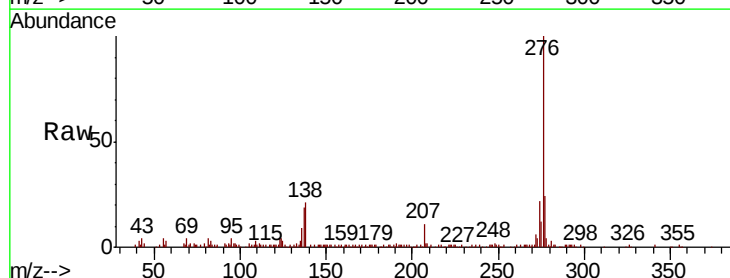
Tgt Ion:276 Resp: 180177

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 20.7 17.8 26.8



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

