

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040320\
 Data File : BF119756.D
 Acq On : 4 Apr 2020 10:18
 Operator : MA/SJ
 Sample : L2122-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-040120

Quant Time: Apr 06 00:31:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	170055	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	607133	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	266950	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	423646	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	323953	20.00	ng	-0.02
87) Perylene-d12	15.43	264	266384	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	692953	64.87	ng	0.00
7) Phenol-d6	6.43	99	882498	64.67	ng	-0.01
23) Nitrobenzene-d5	7.36	82	516129	46.20	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	175486	63.72	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	946201	52.51	ng	-0.01
79) Terphenyl-d14	12.92	244	758211	45.86	ng	-0.02

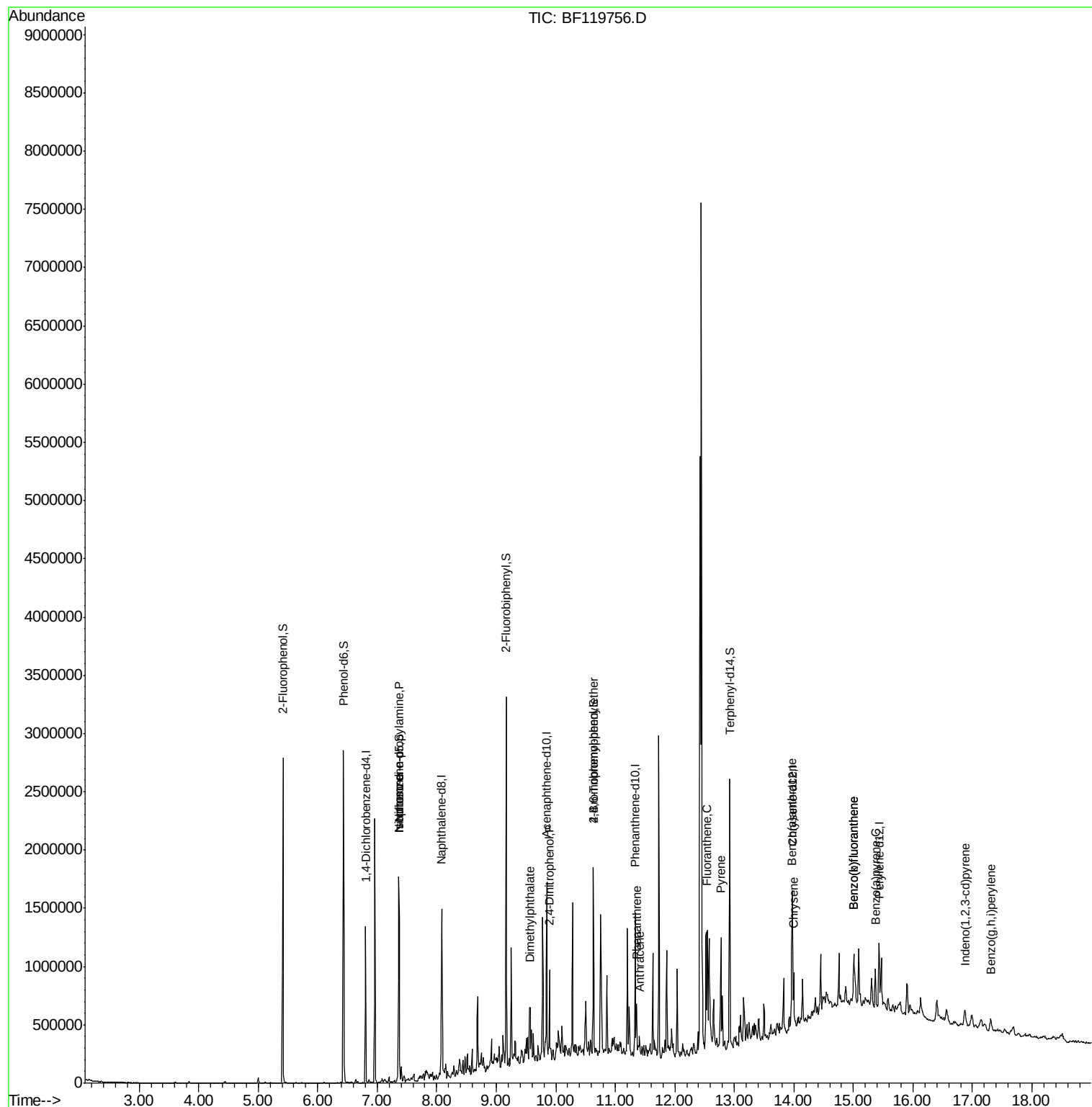
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	67981	8.26	ng	# 75
25) Isophorone	7.36	82	512606	22.62	ng	# 65
50) Dimethylphthalate	9.56	163	95339	5.03	ng	97
54) 2,4-Dinitrophenol	9.89	184	1037	7.81	ng	# 75
67) 4-Bromophenyl-phenylether	10.63	248	10483	2.17	ng	# 1
71) Phenanthrene	11.36	178	150593	6.86	ng	97
72) Anthracene	11.41	178	57549	2.58	ng	97
75) Fluoranthene	12.54	202	381308	16.04	ng	98
78) Pyrene	12.77	202	380939	14.33	ng	99
81) Benzo(a)anthracene	13.96	228	216042	10.26	ng	94
83) Chrysene	14.00	228	200037	9.20	ng	96
86) Indeno(1,2,3-cd)pyrene	16.87	276	92311	4.51	ng	94
88) Benzo(b)fluoranthene	15.01	252	297945	16.74	ng	# 96
89) Benzo(k)fluoranthene	15.01	252	297945	17.58	ng	98
90) Benzo(a)pyrene	15.37	252	157208	9.72	ng	98
92) Benzo(g,h,i)perylene	17.31	276	91376	6.43	ng	# 93

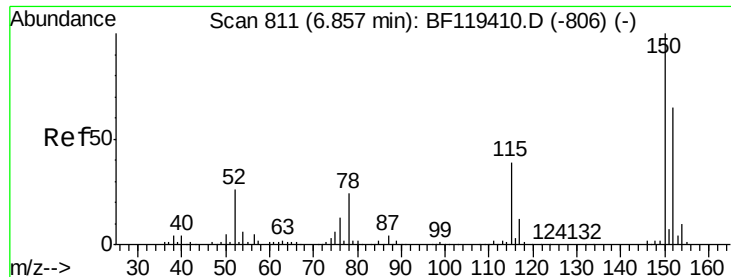
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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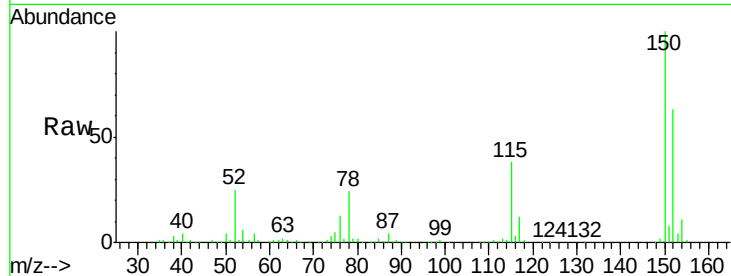


#1

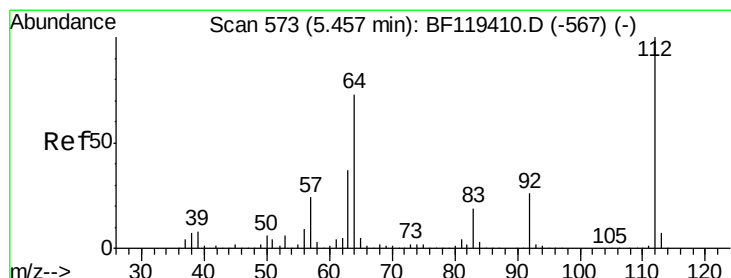
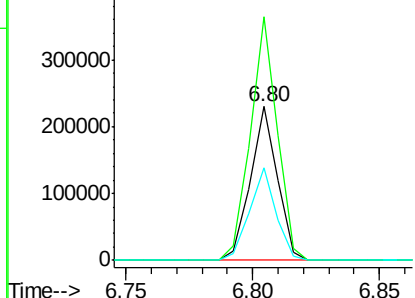
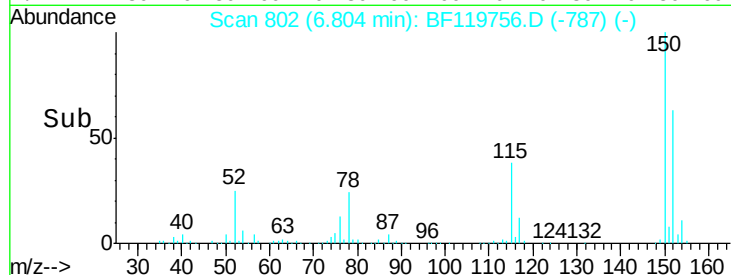
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF119756.D
Acq: 4 Apr 2020 10:18

Instrument :
BNA_F
ClientSampleId :
SU-01-040120

Tgt Ion:152 Resp: 170055
Ion Ratio Lower Upper
152 100
150 158.2 124.5 186.7
115 60.3 49.6 74.4



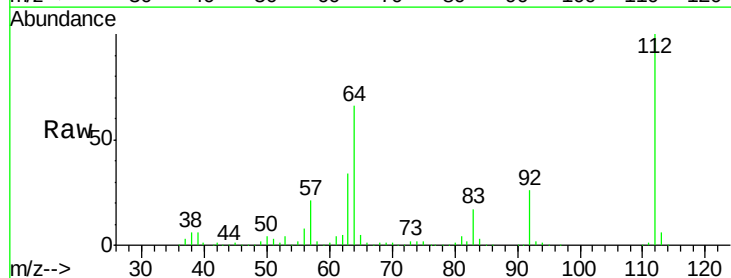
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



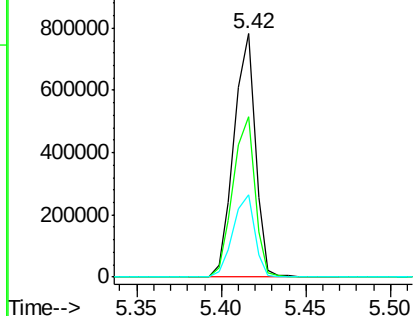
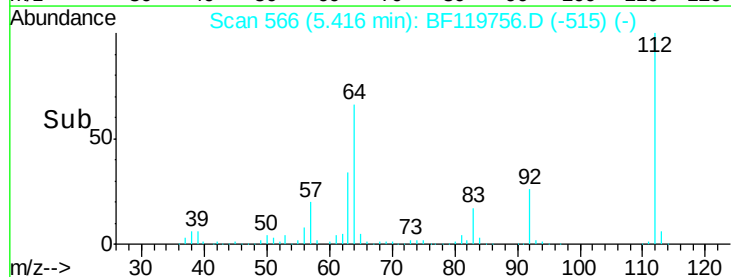
#5

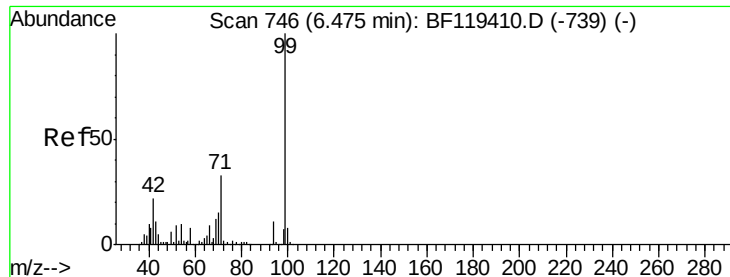
2-Fluorophenol
Concen: 64.87 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF119756.D
Acq: 4 Apr 2020 10:18

Tgt Ion:112 Resp: 692953
Ion Ratio Lower Upper
112 100
64 65.8 56.7 85.1
63 34.0 29.5 44.3



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: 64.67 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Instrument :

BNA_F

ClientSampleId :

SU-01-040120

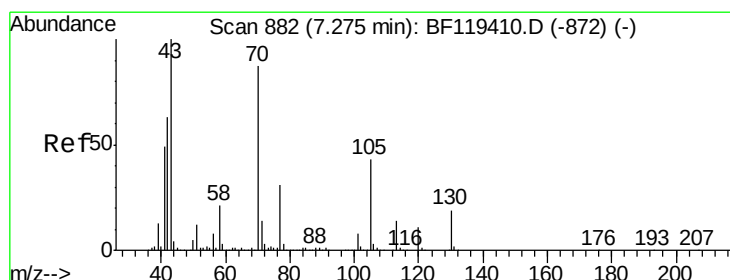
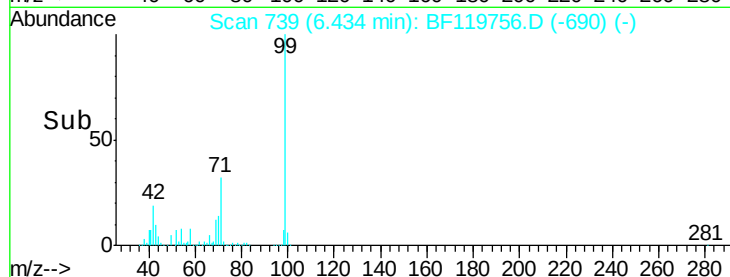
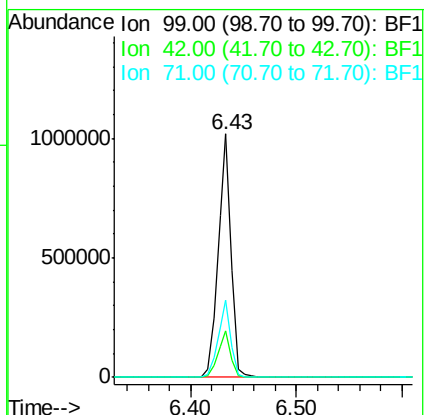
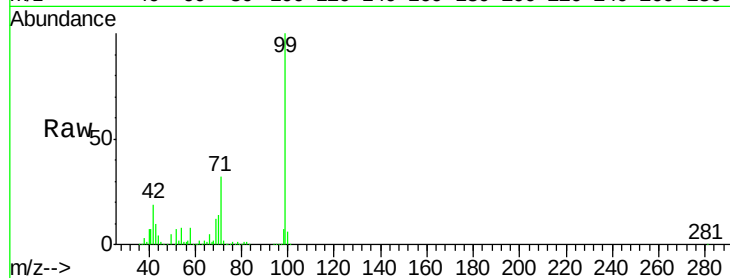
Tgt Ion: 99 Resp: 882498

Ion Ratio Lower Upper

99 100

42 19.4 16.6 24.8

71 31.7 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 8.26 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.13 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Tgt Ion: 70 Resp: 67981

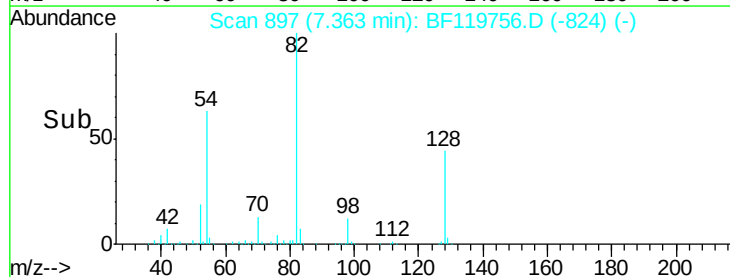
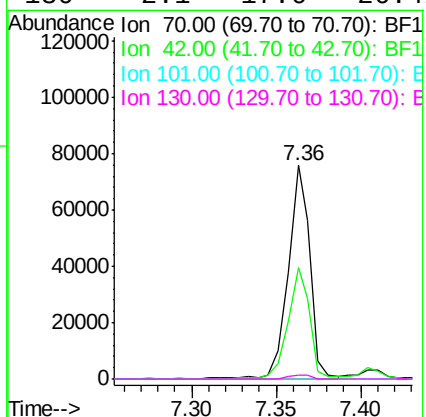
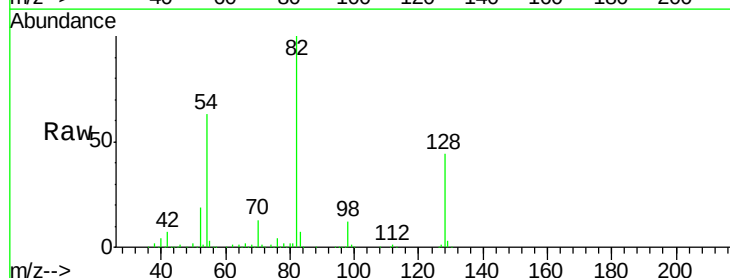
Ion Ratio Lower Upper

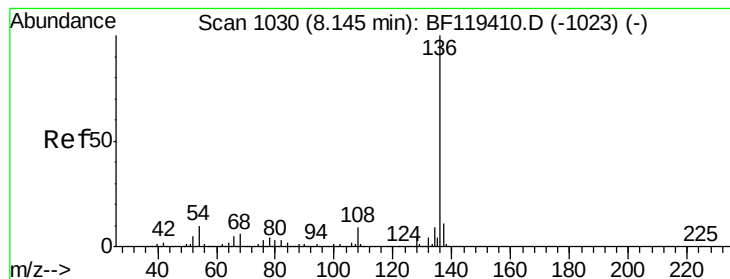
70 100

42 52.2 54.5 81.7#

101 0.0 7.6 11.4#

130 2.1 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Instrument :

BNA_F

ClientSampleId :

SU-01-040120

Tgt Ion:136 Resp: 607133

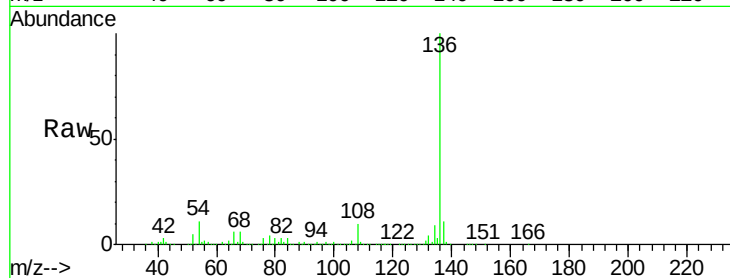
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 11.0 9.1 13.7

68 6.2 4.6 6.8

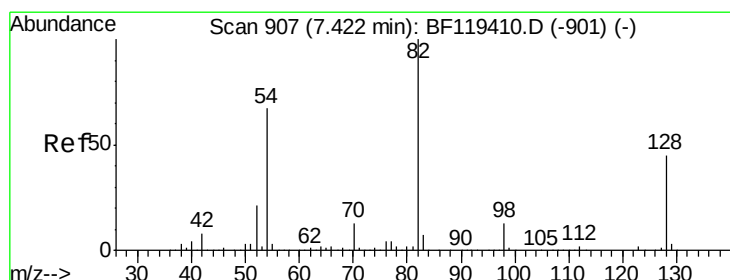
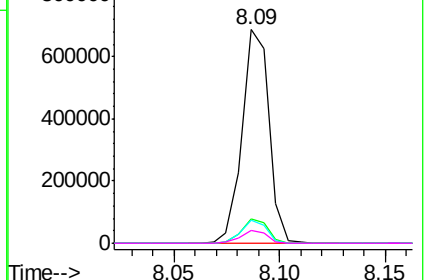
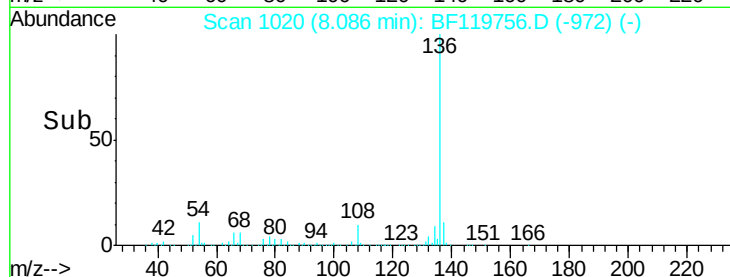


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.20 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

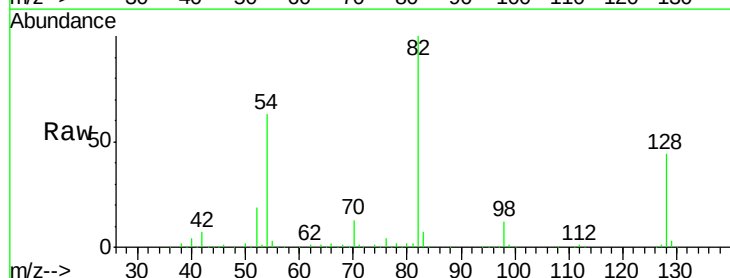
Tgt Ion: 82 Resp: 516129

Ion Ratio Lower Upper

82 100

128 44.3 36.3 54.5

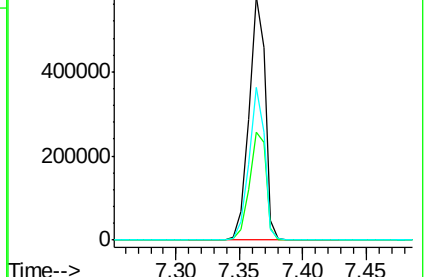
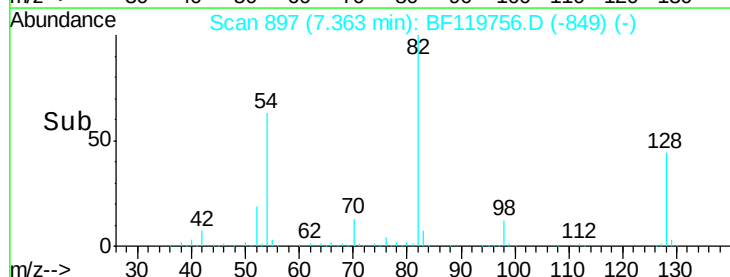
54 62.9 50.6 75.8

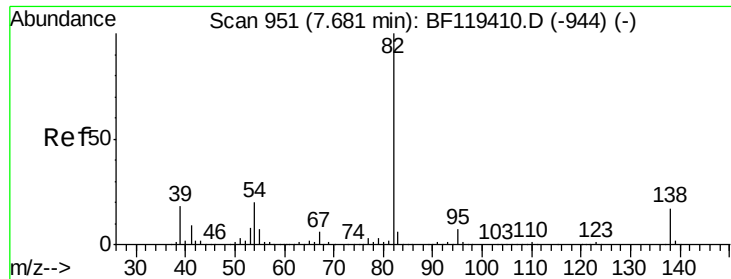


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 22.62 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.28 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Instrument :

BNA_F

ClientSampleId :

SU-01-040120

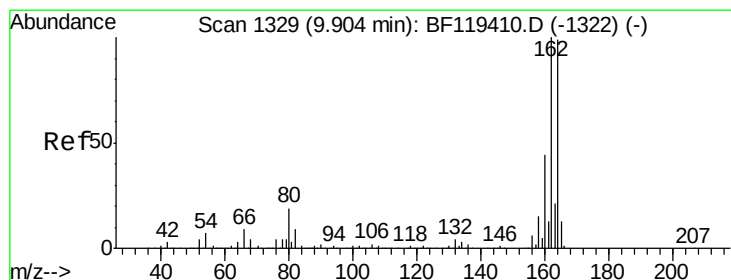
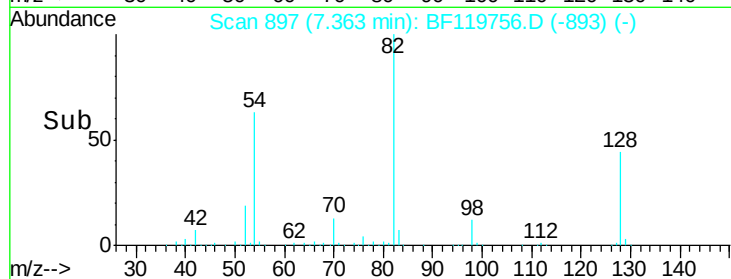
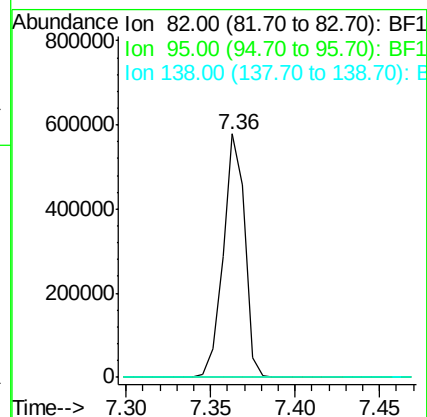
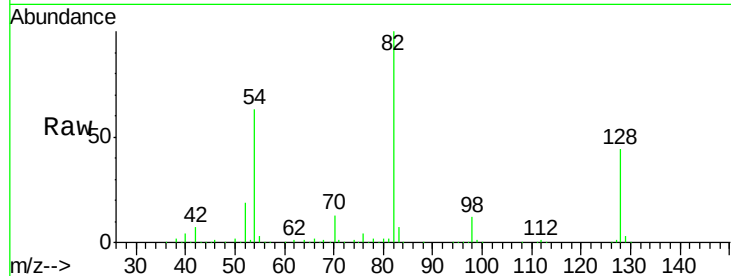
Tgt Ion: 82 Resp: 512606

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

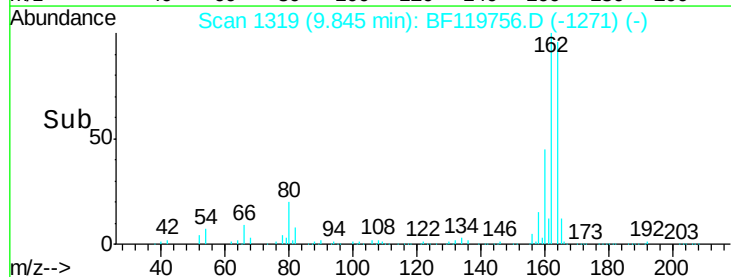
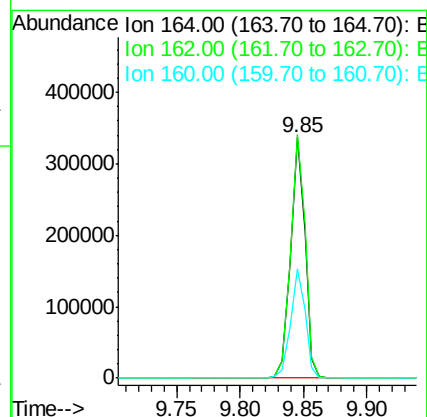
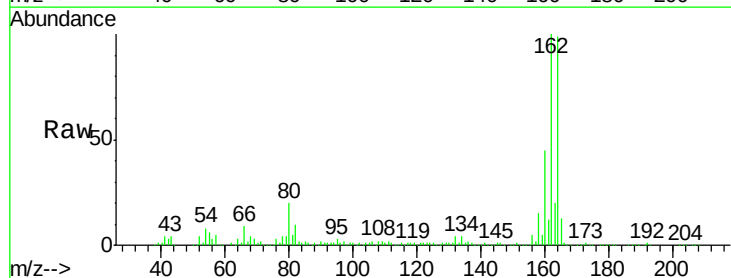
Tgt Ion: 164 Resp: 266950

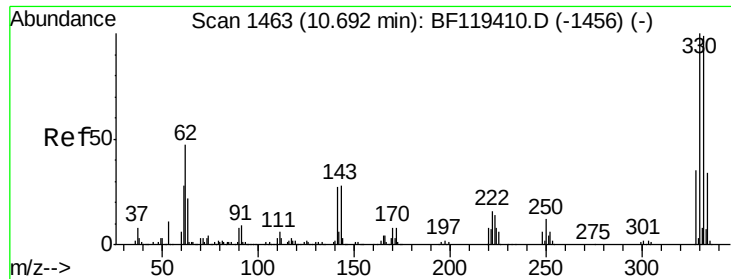
Ion Ratio Lower Upper

164 100

162 101.1 80.6 121.0

160 45.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 63.72 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Instrument :

BNA_F

ClientSampleId :

SU-01-040120

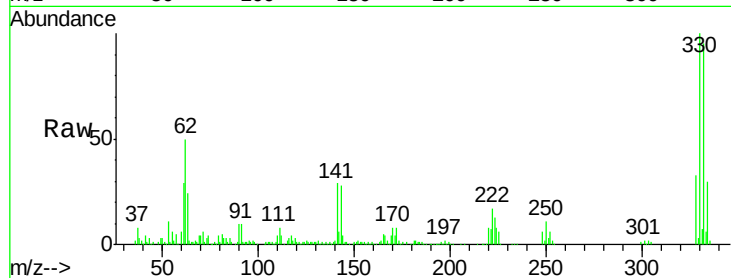
Tgt Ion:330 Resp: 175486

Ion Ratio Lower Upper

330 100

332 94.5 75.7 113.5

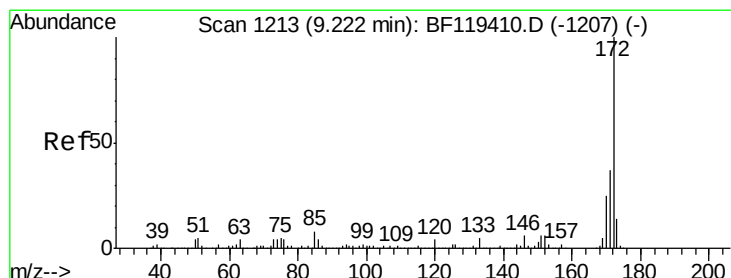
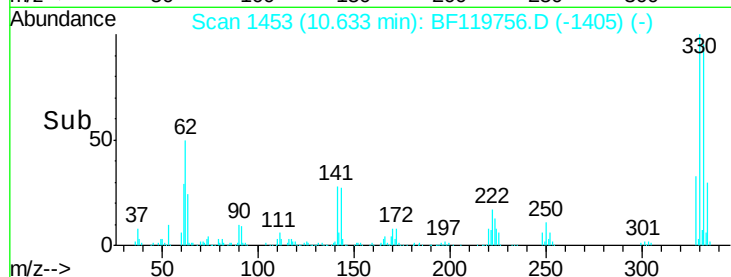
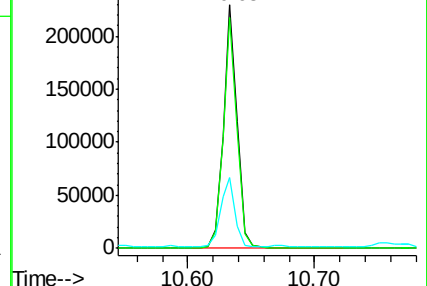
141 30.0 25.4 38.0



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: 52.51 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

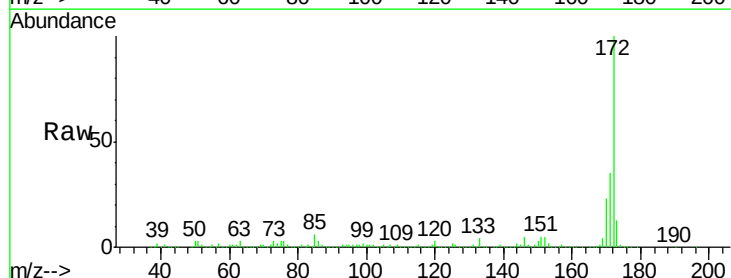
Tgt Ion:172 Resp: 946201

Ion Ratio Lower Upper

172 100

171 34.6 29.6 44.4

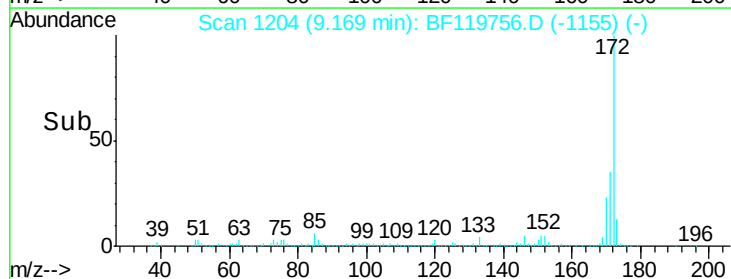
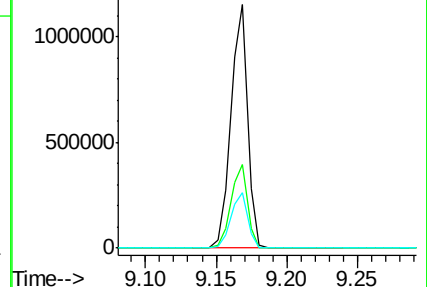
170 22.7 20.2 30.2

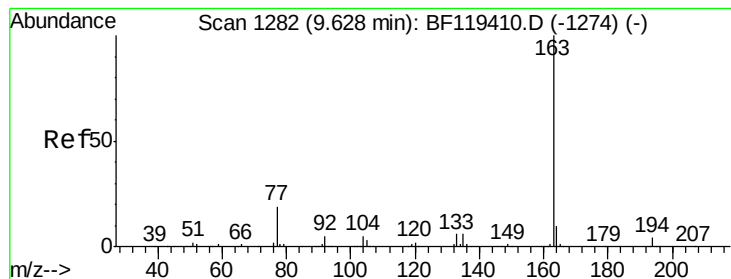


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.03 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.03 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Instrument :

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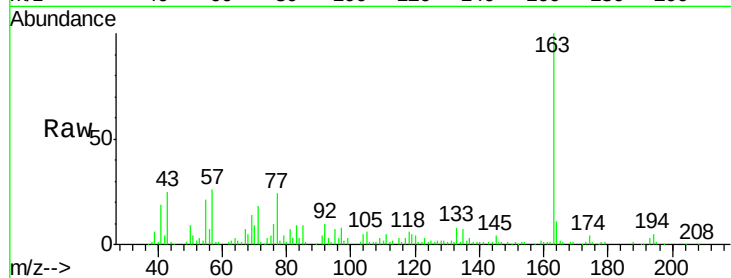
Tgt Ion:163 Resp: 95339

Ion Ratio Lower Upper

163 100

194 4.5 3.1 4.7

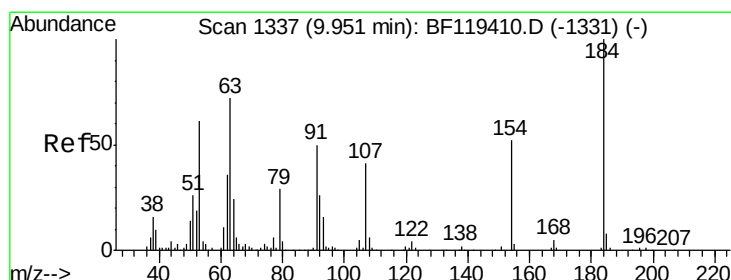
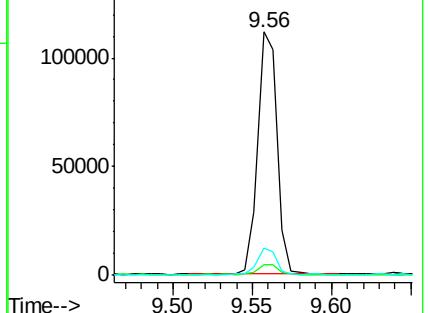
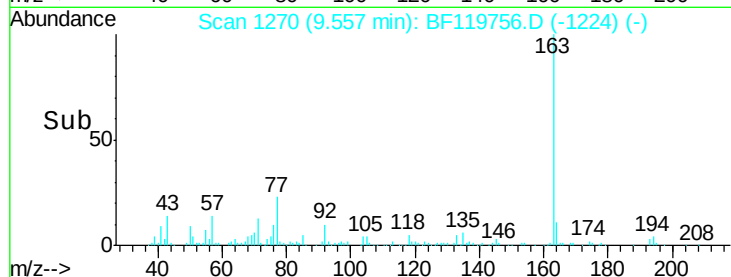
164 11.4 8.2 12.2



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



#54

2,4-Dinitrophenol

Concen: 7.81 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

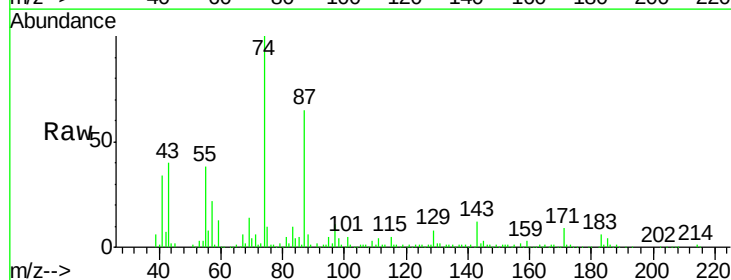
Tgt Ion:184 Resp: 1037

Ion Ratio Lower Upper

184 100

63 46.0 50.2 75.4#

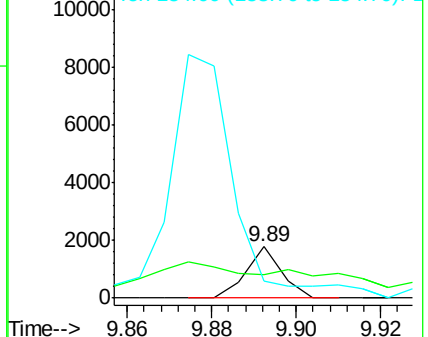
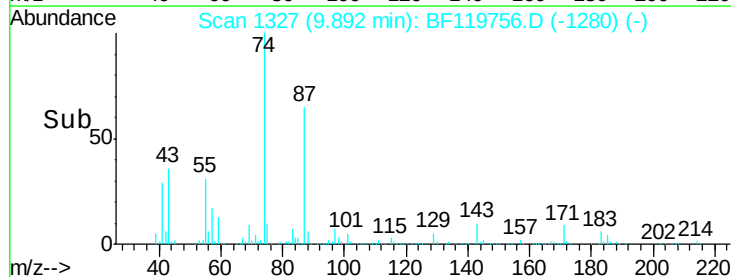
154 34.0 44.5 66.7#

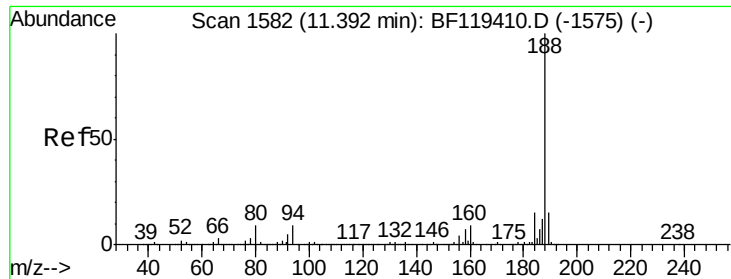


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

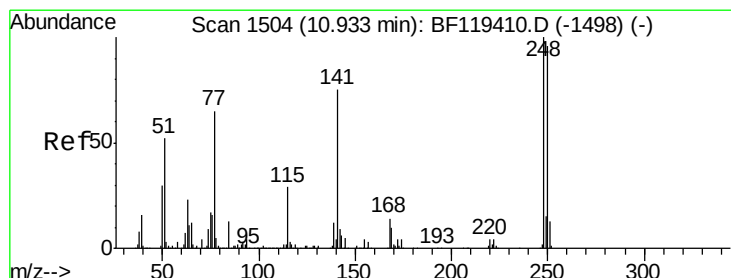
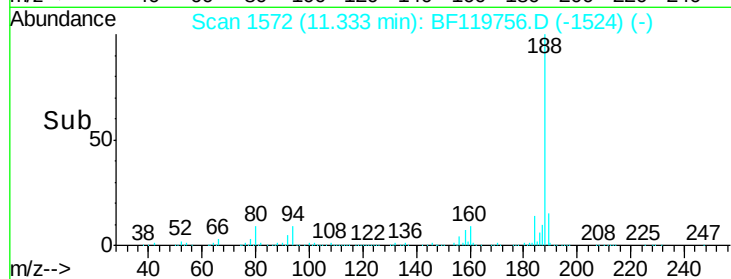
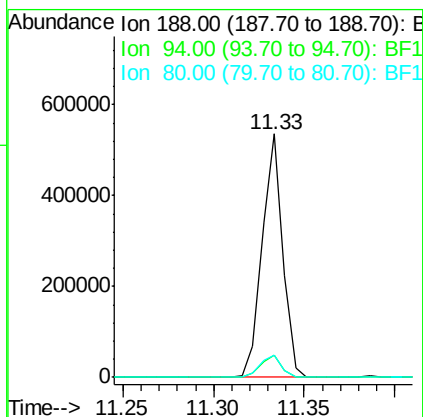
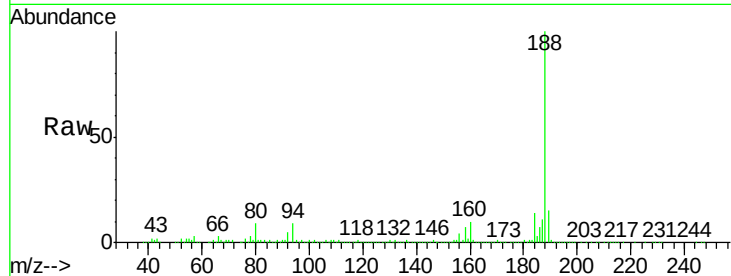




#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF119756.D
 Acq: 4 Apr 2020 10:18

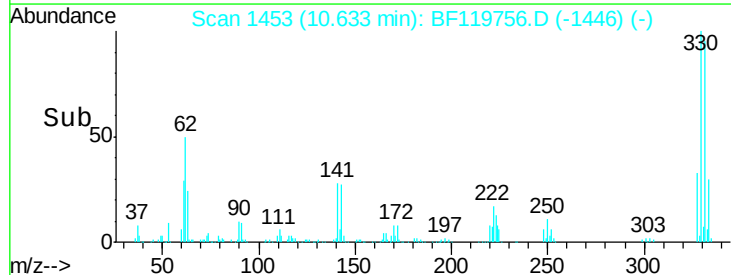
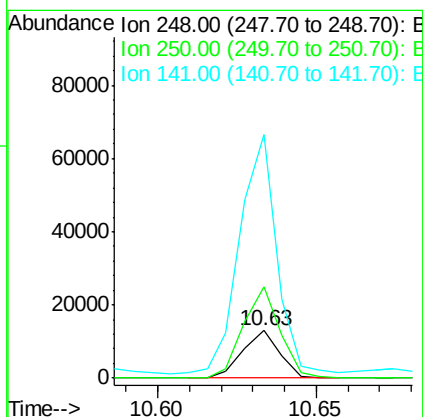
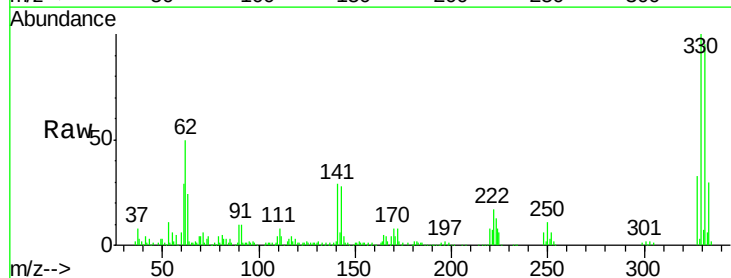
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-040120

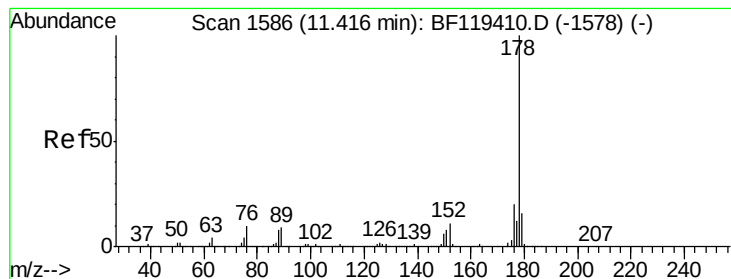
Tgt Ion:188 Resp: 423646
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.5 11.3
 80 9.3 9.0 13.4



#67
 4-Bromophenyl-phenylether
 Concen: 2.17 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.26 min
 Lab File: BF119756.D
 Acq: 4 Apr 2020 10:18

Tgt Ion:248 Resp: 10483
 Ion Ratio Lower Upper
 248 100
 250 191.9 77.3 115.9#
 141 512.3 58.6 87.8#





#71

Phenanthrene

Concen: 6.86 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Instrument :

BNA_F

ClientSampleId :

SU-01-040120

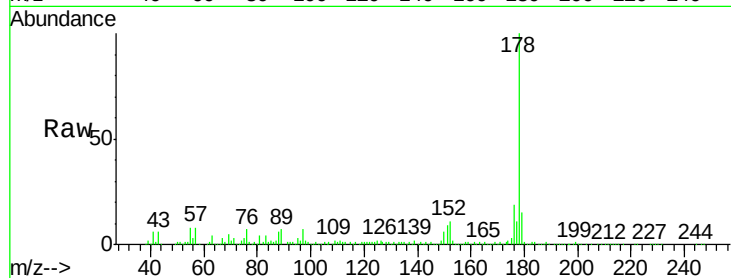
Tgt Ion:178 Resp: 150593

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

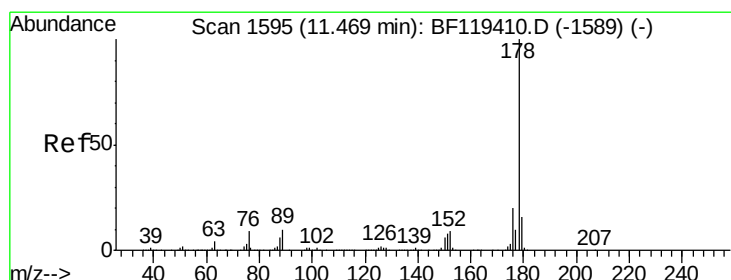
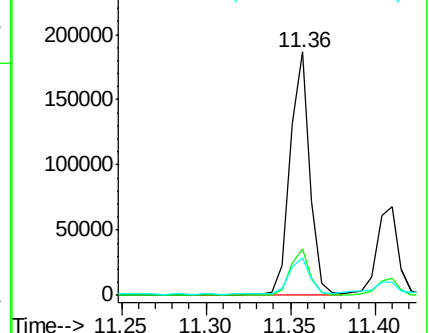
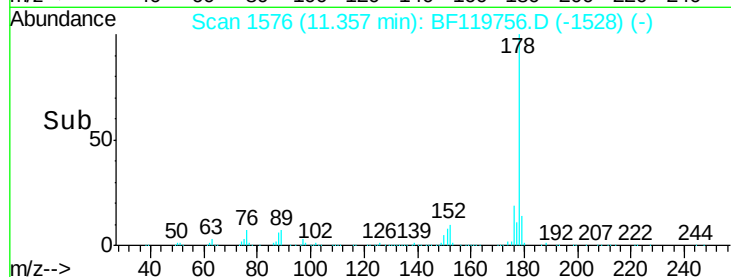
179 15.3 13.2 19.8



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



#72

Anthracene

Concen: 2.58 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

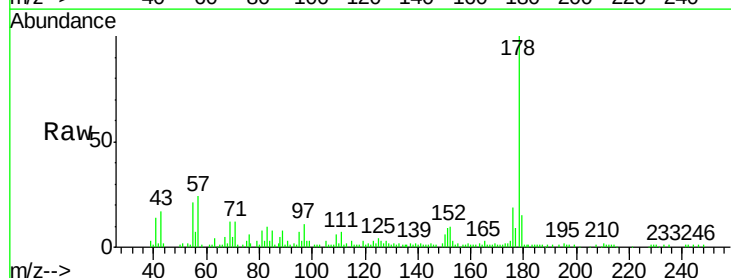
Tgt Ion:178 Resp: 57549

Ion Ratio Lower Upper

178 100

176 18.9 16.1 24.1

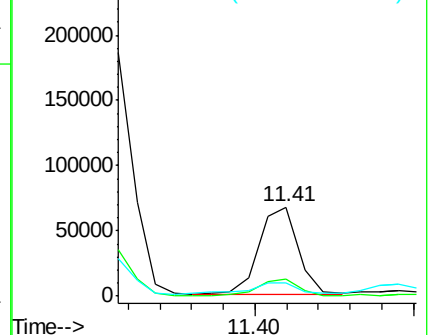
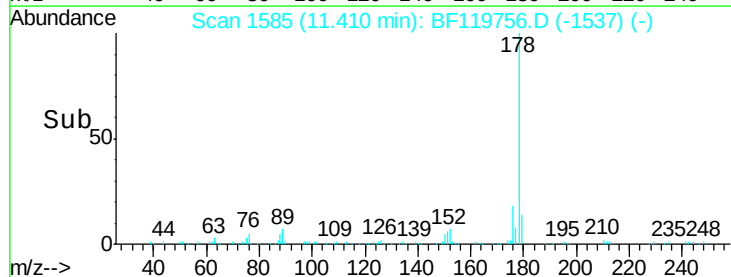
179 15.2 13.0 19.4

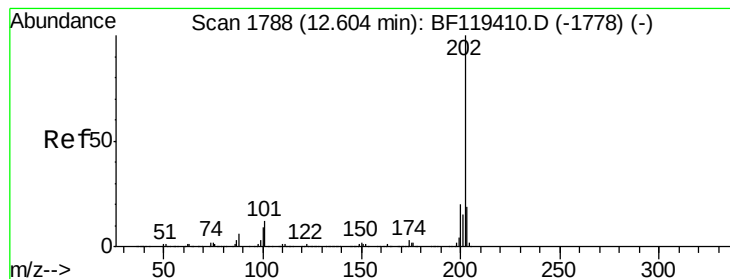


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 16.04 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Instrument :

BNA_F

ClientSampleId :

SU-01-040120

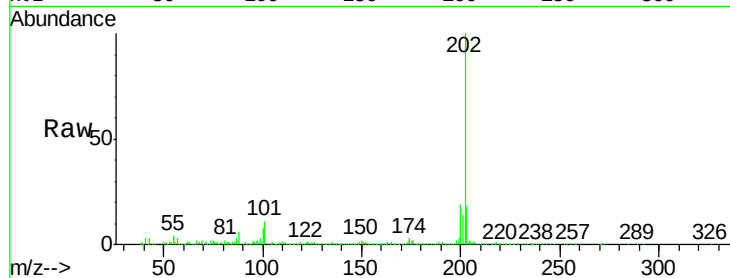
Tgt Ion:202 Resp: 381308

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.2

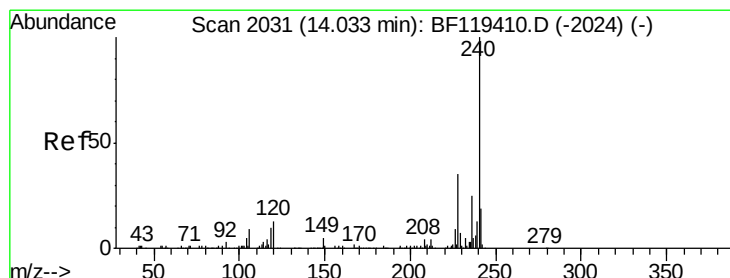
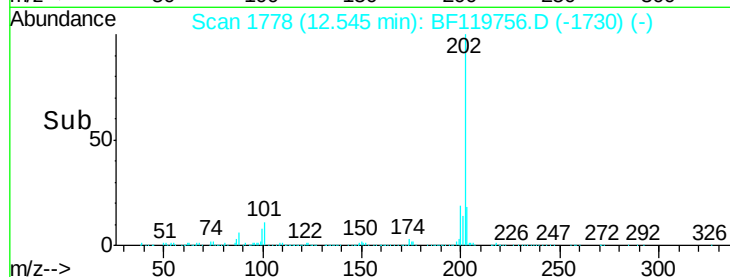
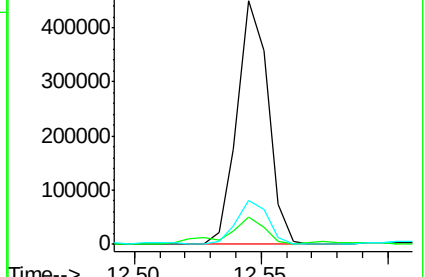
203 18.0 0.0 38.8



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: 20.00 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

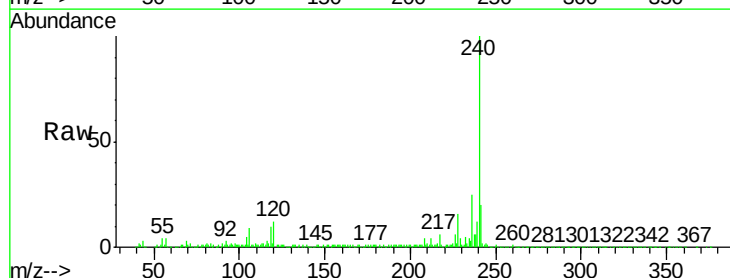
Tgt Ion:240 Resp: 323953

Ion Ratio Lower Upper

240 100

120 11.6 10.6 15.8

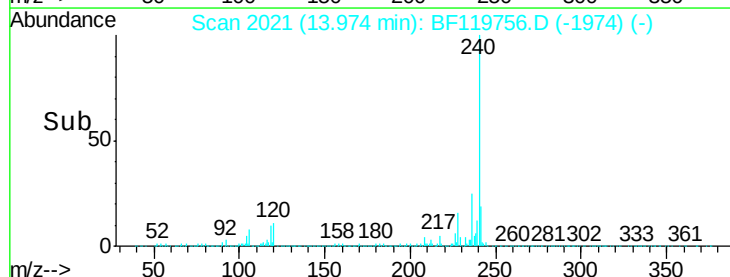
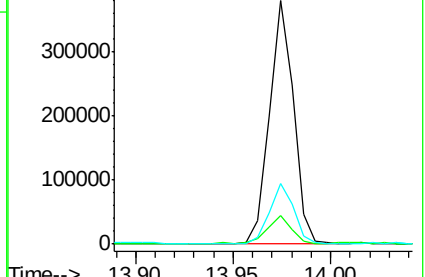
236 25.1 20.2 30.2

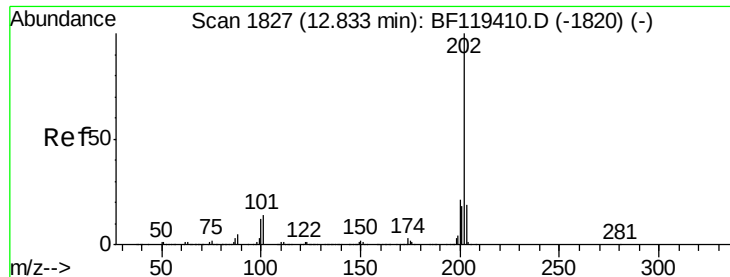


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 14.33 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Instrument :

BNA_F

ClientSampleId :

SU-01-040120

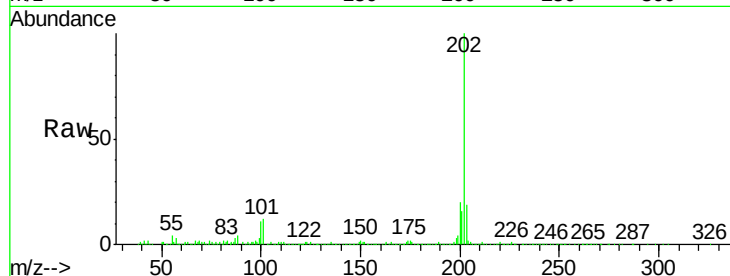
Tgt Ion:202 Resp: 380939

Ion Ratio Lower Upper

202 100

200 20.0 16.8 25.2

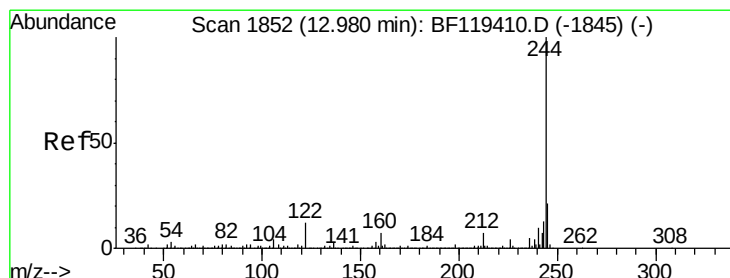
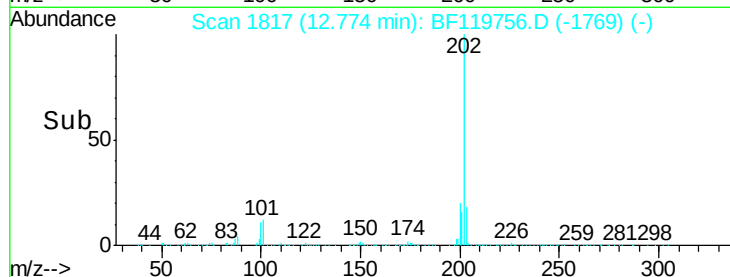
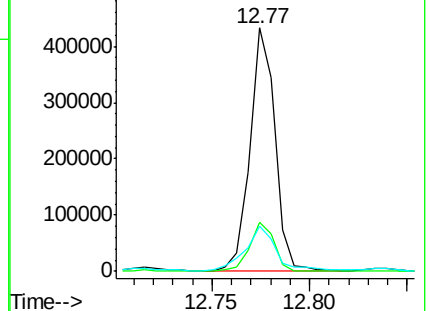
203 18.6 15.1 22.7



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: 45.86 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

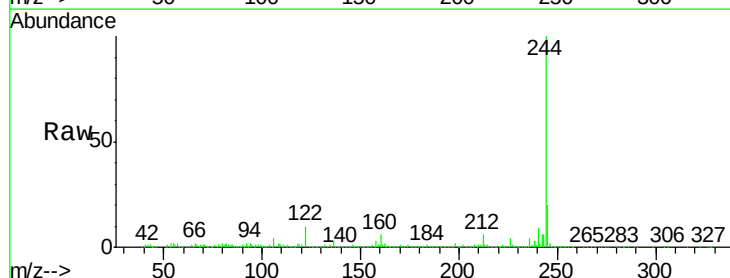
Tgt Ion:244 Resp: 758211

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

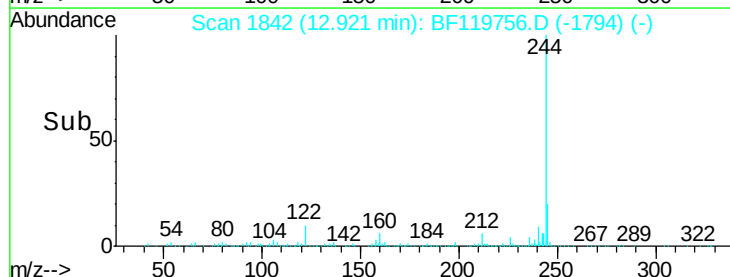
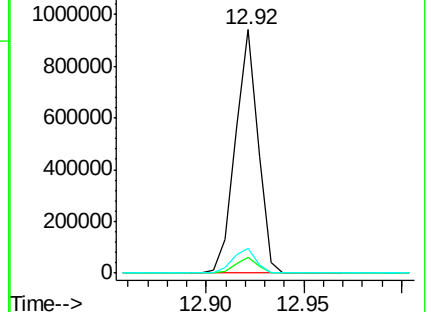
122 10.0 10.3 15.5#

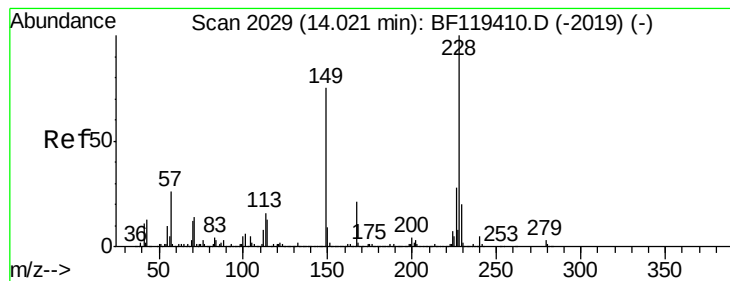


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 10.26 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Instrument :

BNA_F

ClientSampleId :

SU-01-040120

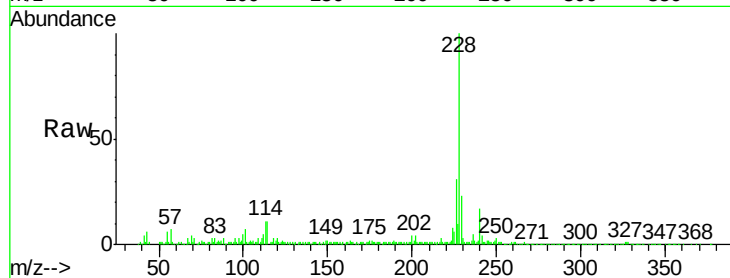
Tgt Ion:228 Resp: 216042

Ion Ratio Lower Upper

228 100

226 31.0 21.8 32.8

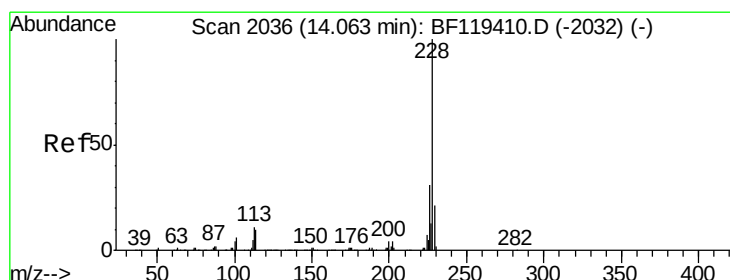
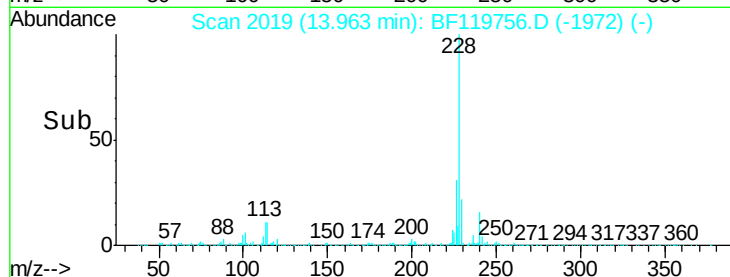
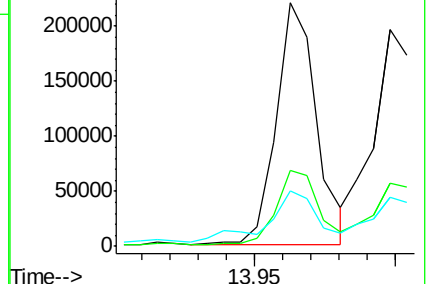
229 22.6 16.2 24.4



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: 9.20 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

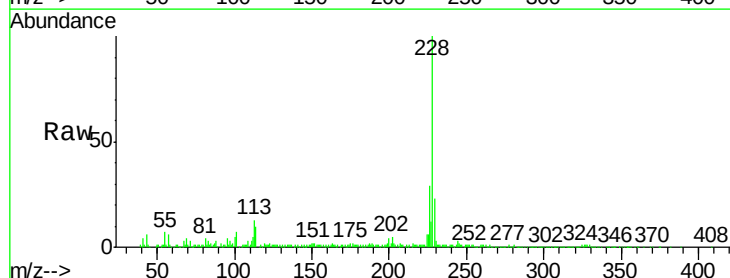
Tgt Ion:228 Resp: 200037

Ion Ratio Lower Upper

228 100

226 29.4 25.4 38.0

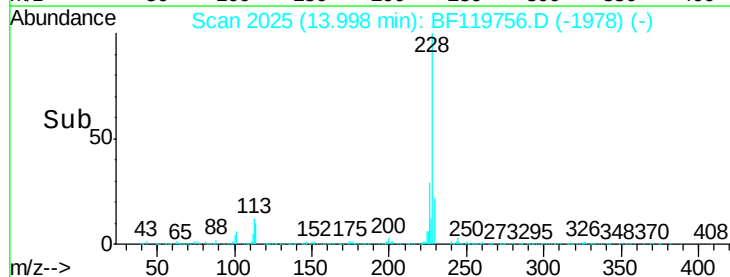
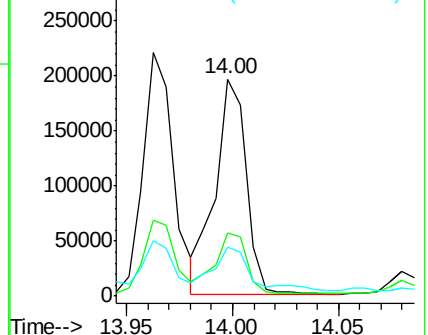
229 22.8 16.6 24.8

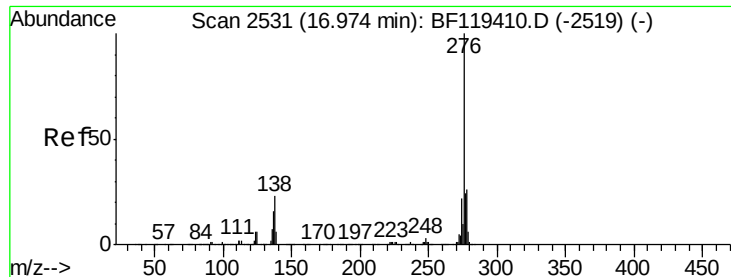


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

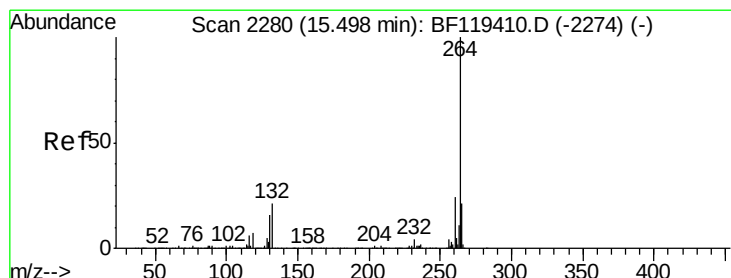
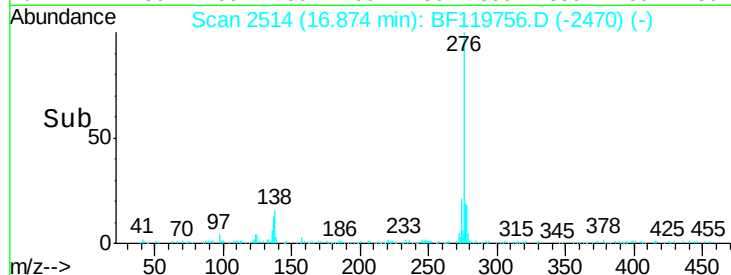
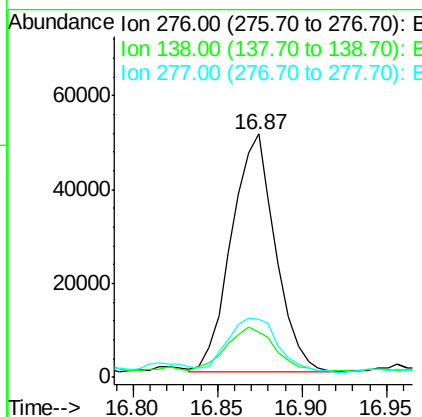
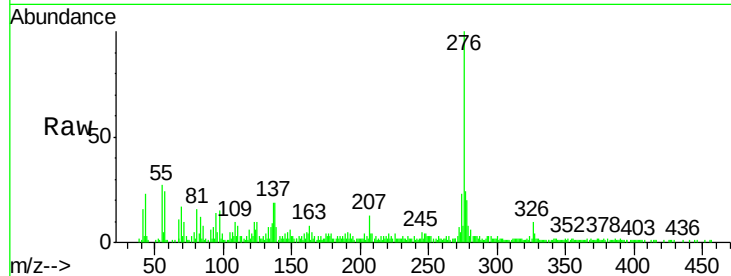




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.51 ng
 RT: 16.87 min Scan# 2514
 Delta R.T. -0.04 min
 Lab File: BF119756.D
 Acq: 4 Apr 2020 10:18

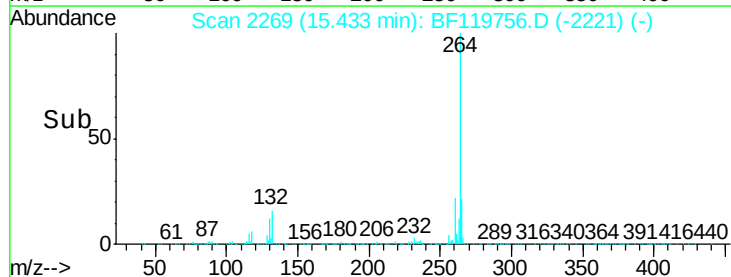
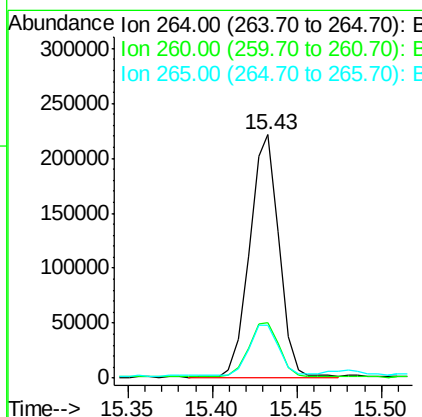
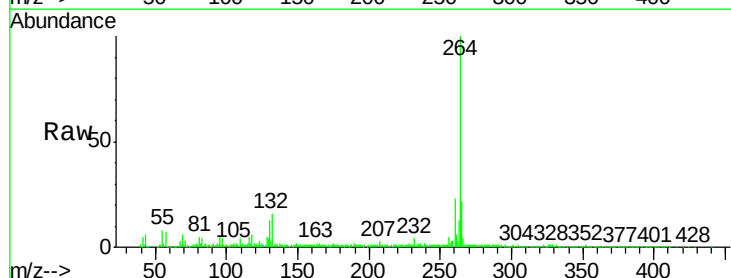
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-040120

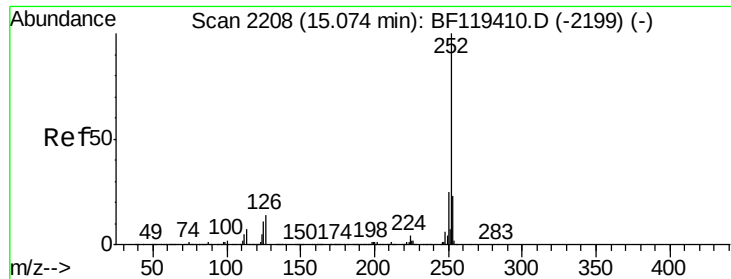
Tgt Ion: 276 Resp: 92311
 Ion Ratio Lower Upper
 276 100
 138 20.8 19.6 29.4
 277 26.9 20.0 30.0



#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.02 min
 Lab File: BF119756.D
 Acq: 4 Apr 2020 10:18

Tgt Ion: 264 Resp: 266384
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.7 28.1
 265 21.8 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 16.74 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Instrument :

BNA_F

ClientSampleId :

SU-01-040120

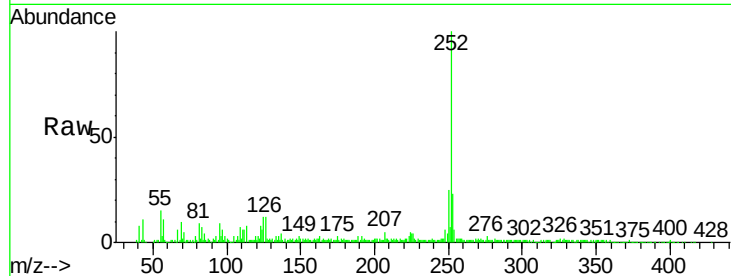
Tgt Ion:252 Resp: 297945

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

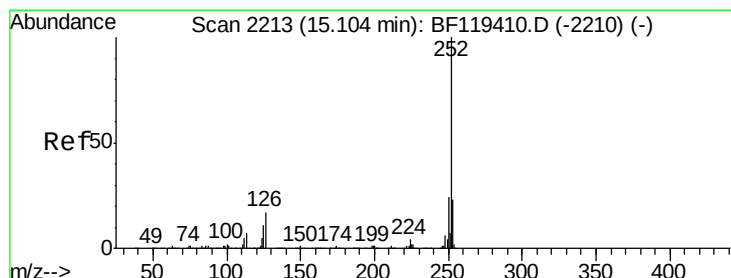
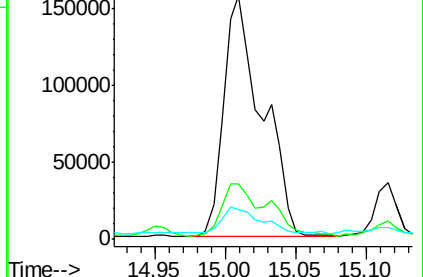
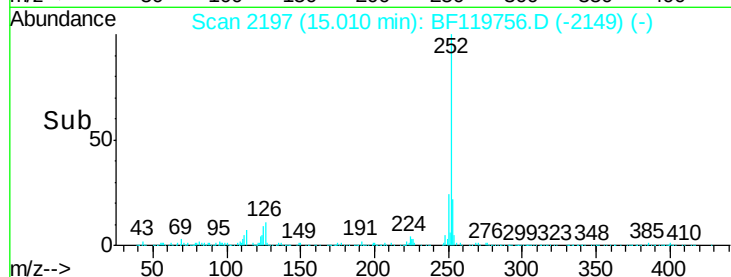
125 12.2 7.9 11.9#



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: 17.58 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.05 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

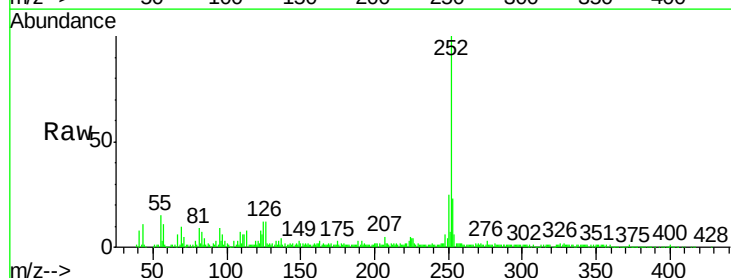
Tgt Ion:252 Resp: 297945

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

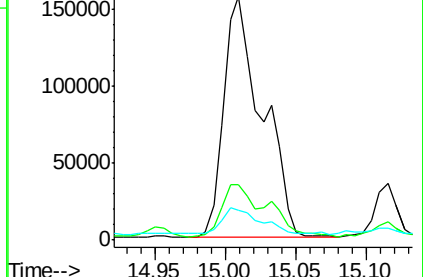
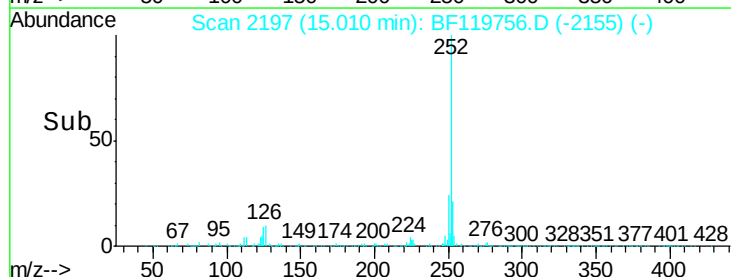
125 12.2 8.4 12.6

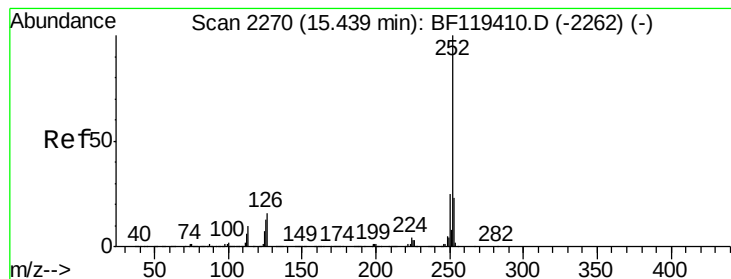


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 9.72 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.03 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

Instrument :

BNA_F

ClientSampleId :

SU-01-040120

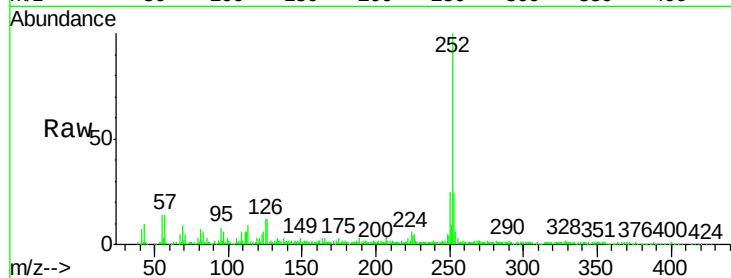
Tgt Ion:252 Resp: 157208

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

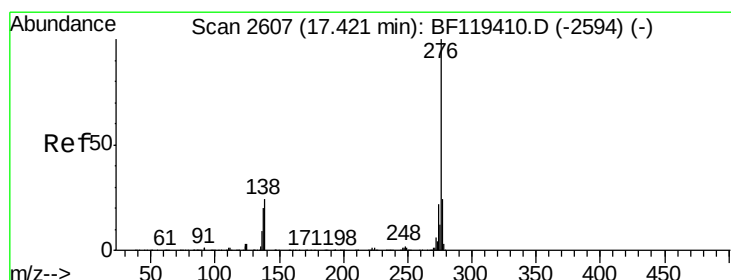
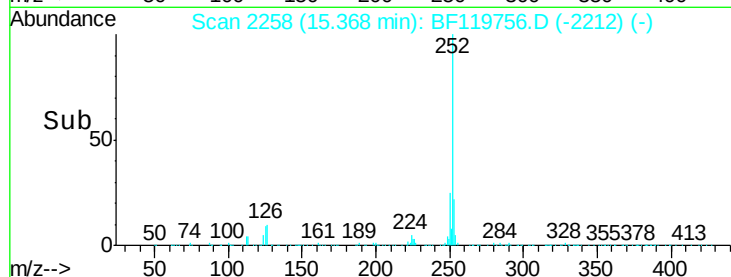
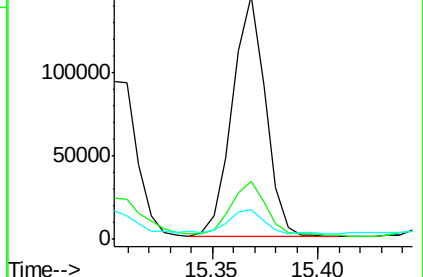
125 12.2 9.4 14.2



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



#92

Benzo(g,h,i)perylene

Concen: 6.43 ng

RT: 17.31 min Scan# 2588

Delta R.T. -0.05 min

Lab File: BF119756.D

Acq: 4 Apr 2020 10:18

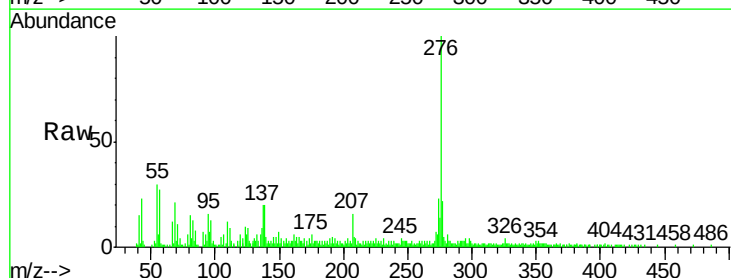
Tgt Ion:276 Resp: 91376

Ion Ratio Lower Upper

276 100

277 21.6 18.4 27.6

138 24.6 15.4 23.0#



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

