

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100319\
 Data File : BF117328.D
 Acq On : 3 Oct 2019 20:39
 Operator : JU
 Sample : K5137-01RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-047-ARE

Quant Time: Oct 04 03:20:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	60440	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	244821	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	118737	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	157064	20.00	ng	0.00
76) Chrysene-d12	13.97	240	98415	20.00	ng	0.00
87) Perylene-d12	15.43	264	113497	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	317231	81.95	ng	0.00
7) Phenol-d6	6.45	99	466626	93.27	ng	0.00
23) Nitrobenzene-d5	7.37	82	292492	62.77	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	78971	79.58	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	500596	65.92	ng	-0.01
79) Terphenyl-d14	12.90	244	297512	56.51	ng	-0.01

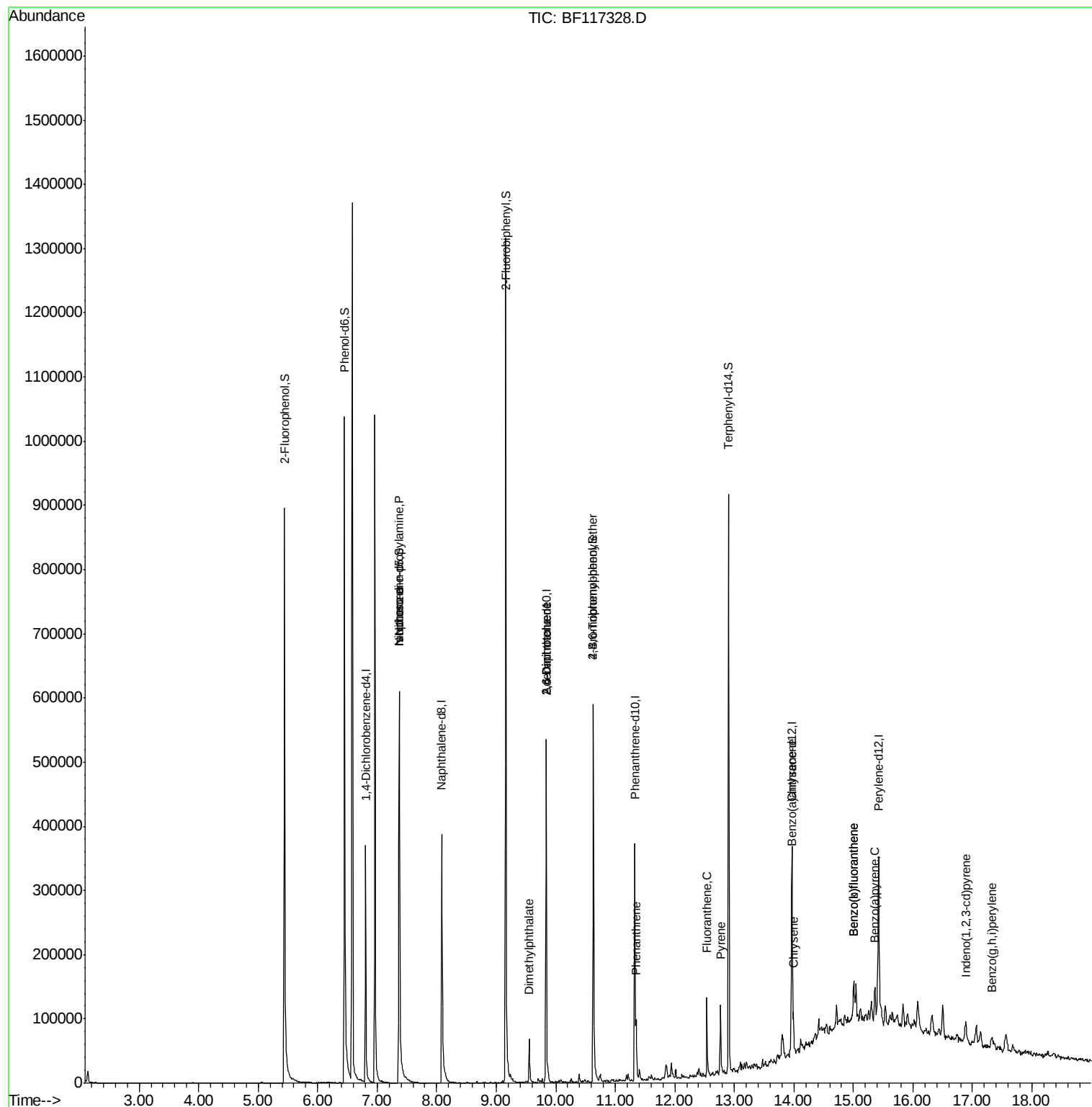
Target Compounds				Qvalue		
9) Benzaldehyde	6.45	77	507	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	37315	12.248 ng	#	81
25) Isophorone	7.37	82	292490	35.453 ng	#	66
50) Dimethylphthalate	9.56	163	33629	4.000 ng		99
51) 2,6-Dinitrotoluene	9.84	165	14957	8.735 ng	#	24
57) 2,4-Dinitrotoluene	9.84	165	14957	6.729 ng	#	18
67) 4-Bromophenyl-phenylether	10.63	248	4804	2.995 ng	#	1
71) Phenanthrene	11.35	178	35246	3.951 ng		96
75) Fluoranthene	12.54	202	53202	5.804 ng		97
78) Pyrene	12.77	202	47181	5.714 ng		96
81) Benzo(a)anthracene	13.96	228	23758	3.613 ng		96
83) Chrysene	13.99	228	22700	3.540 ng		97
86) Indeno(1,2,3-cd)pyrene	16.88	276	13441	2.873 ng	#	91
88) Benzo(b)fluoranthene	15.00	252	39957	5.812 ng	#	86
89) Benzo(k)fluoranthene	15.00	252	39957	6.135 ng	#	86
90) Benzo(a)pyrene	15.36	252	22375	3.709 ng	#	91
92) Benzo(g,h,i)perylene	17.32	276	10468	2.186 ng	#	91

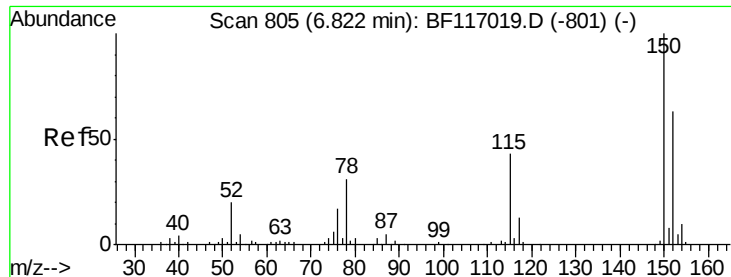
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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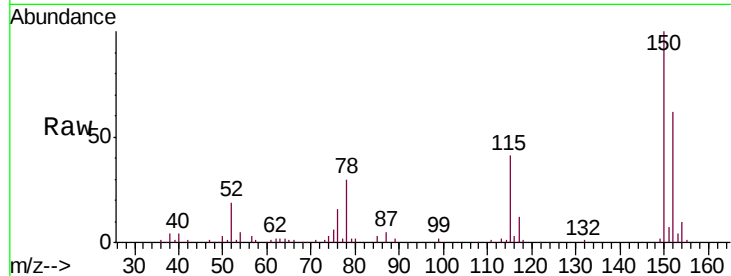


#1

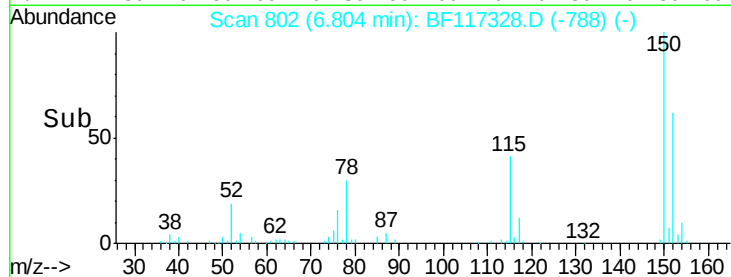
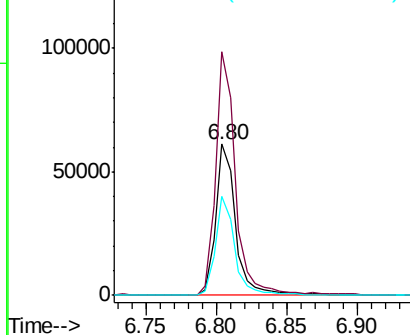
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF117328.D
 Acq: 3 Oct 2019 20:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-047-ARE

Tgt Ion:152 Resp: 60440
 Ion Ratio Lower Upper
 152 100
 150 161.1 127.5 191.3
 115 65.4 55.0 82.4



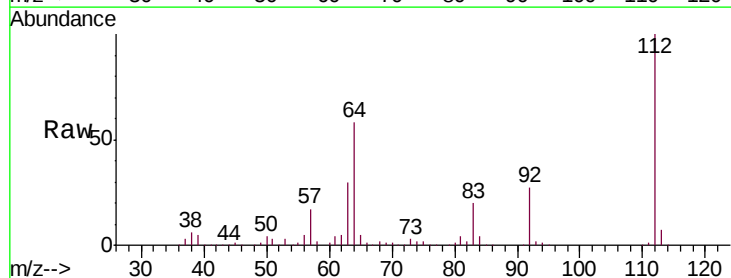
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



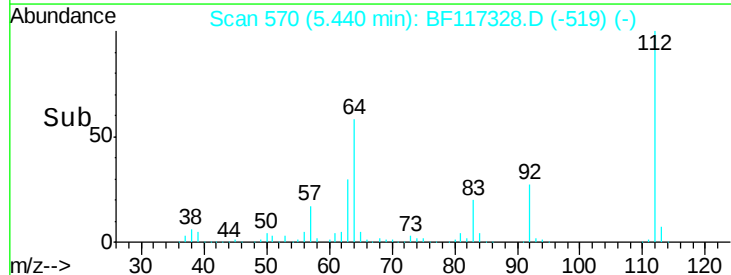
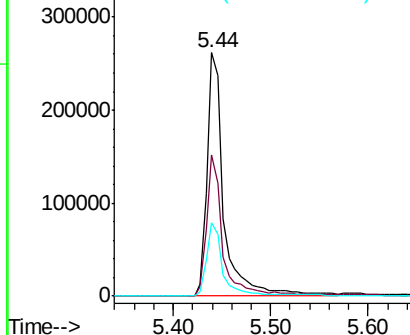
#5

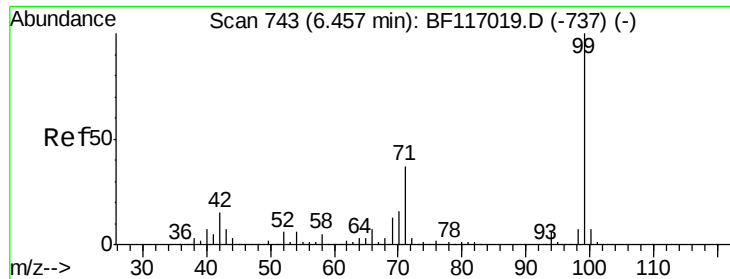
2-Fluorophenol
 Concen: 81.945 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: BF117328.D
 Acq: 3 Oct 2019 20:39

Tgt Ion:112 Resp: 317231
 Ion Ratio Lower Upper
 112 100
 64 58.2 45.7 68.5
 63 30.4 24.9 37.3



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: 93.268 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-ARE

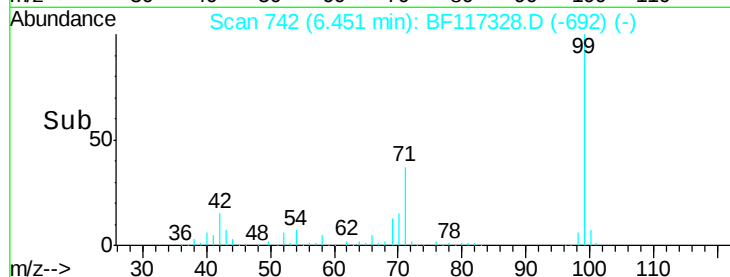
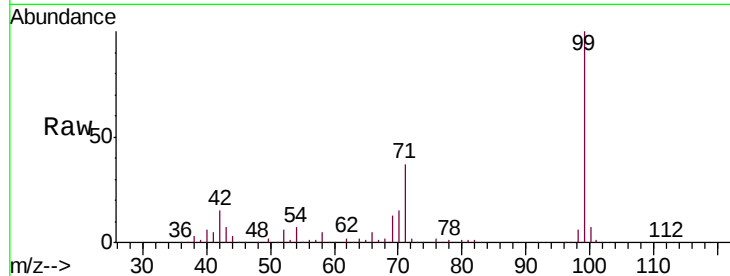
Tgt Ion: 99 Resp: 466626

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

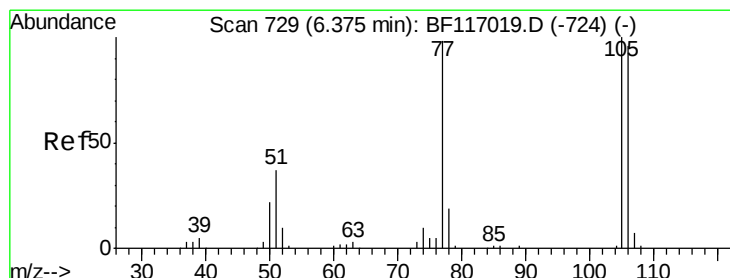
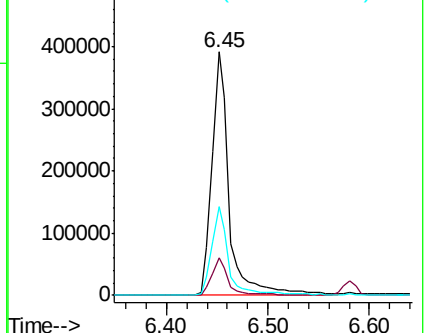
71 36.6 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

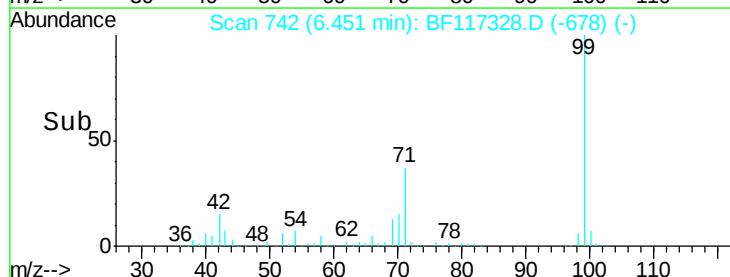
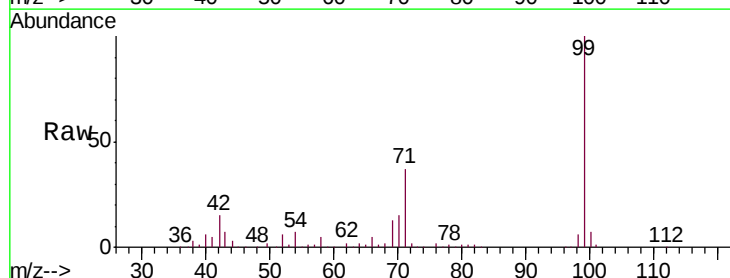
Tgt Ion: 77 Resp: 507

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

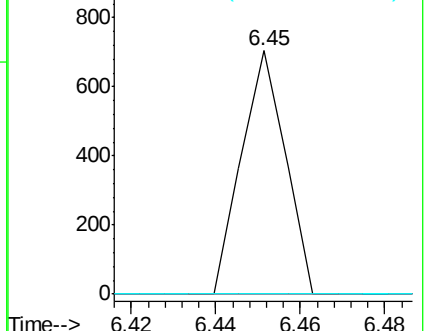
106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

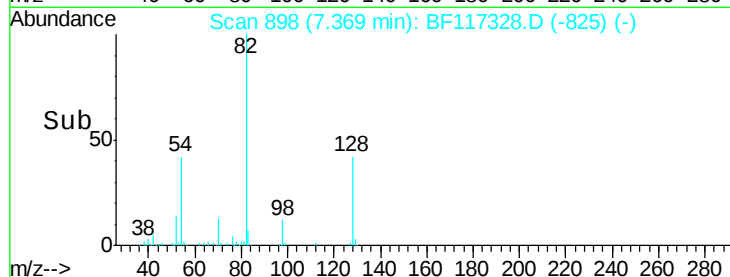
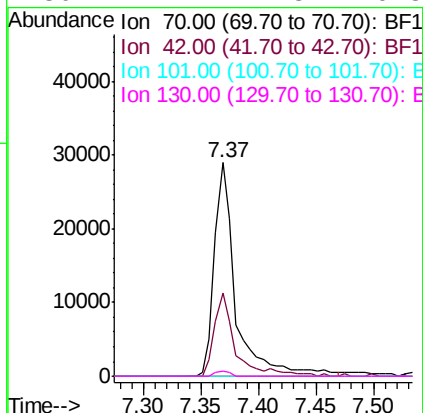
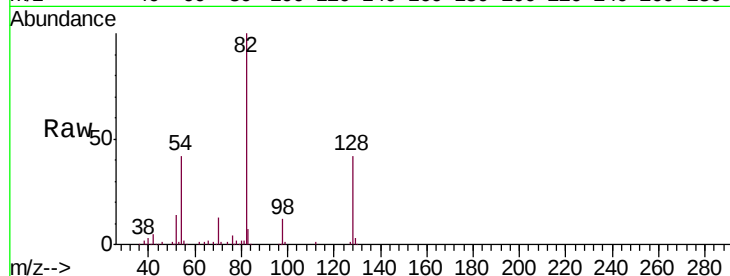




#19
n-Nitroso-di-n-propylamine
Concen: 12.248 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117328.D
Acq: 3 Oct 2019 20:39

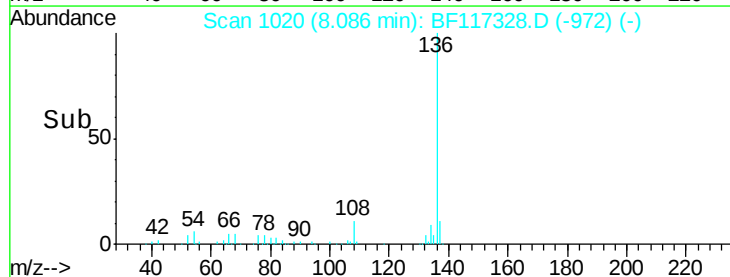
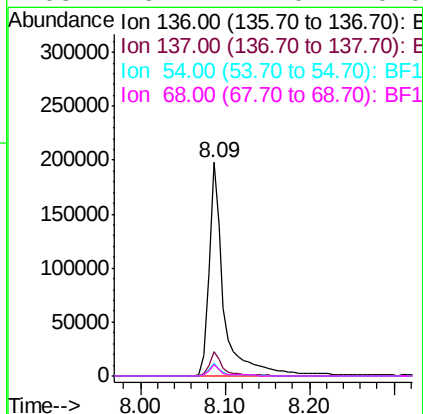
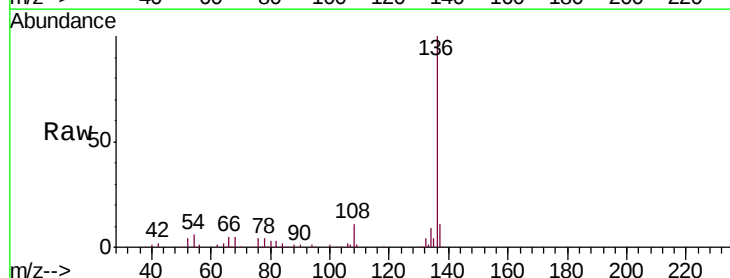
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-047-ARE

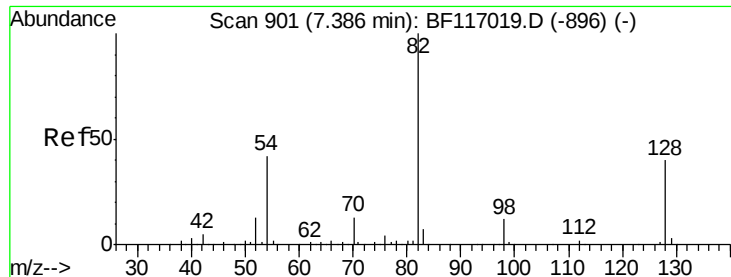
Tgt Ion: 70 Resp: 37315
Ion Ratio Lower Upper
70 100
42 39.2 34.0 51.0
101 0.0 7.8 11.6#
130 2.4 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117328.D
Acq: 3 Oct 2019 20:39

Tgt Ion: 136 Resp: 244821
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 5.8 4.5 6.7
68 5.4 4.0 6.0

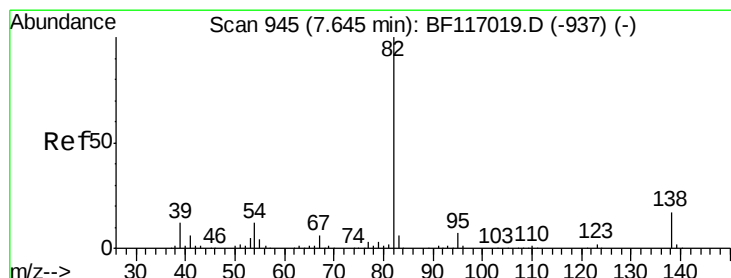
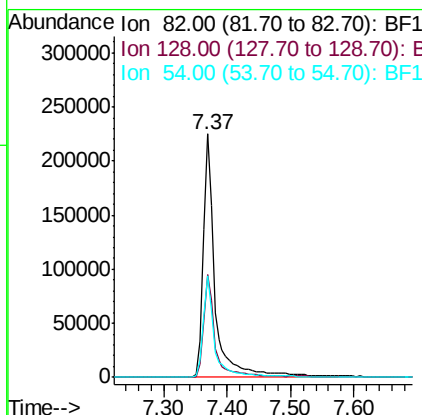
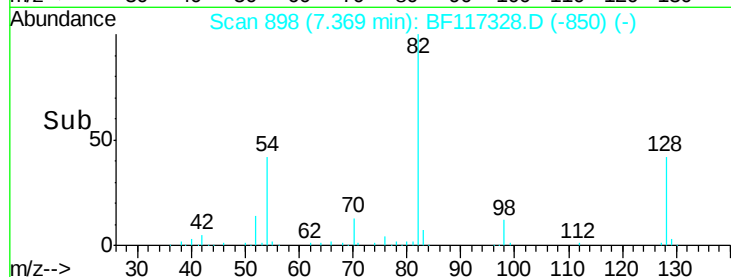
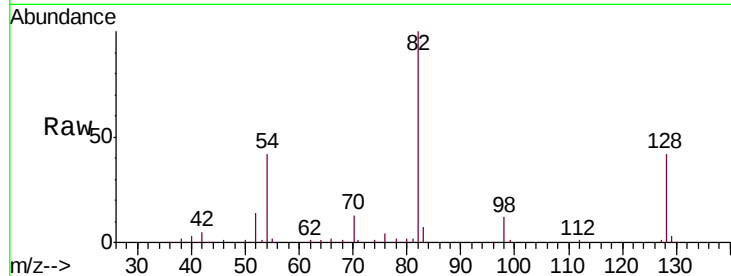




#23
 Nitrobenzene-d5
 Concen: 62.773 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF117328.D
 Acq: 3 Oct 2019 20:39

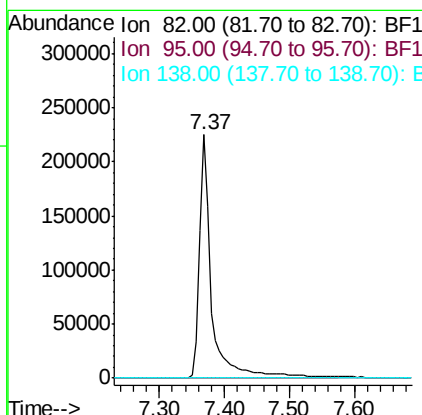
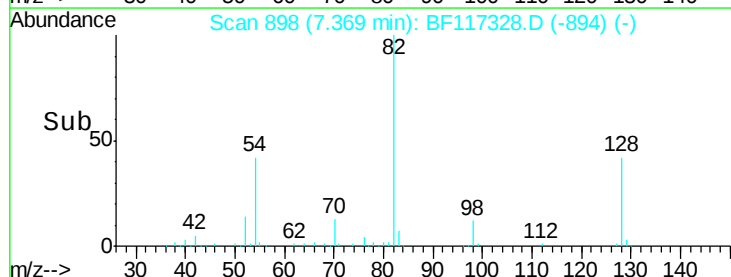
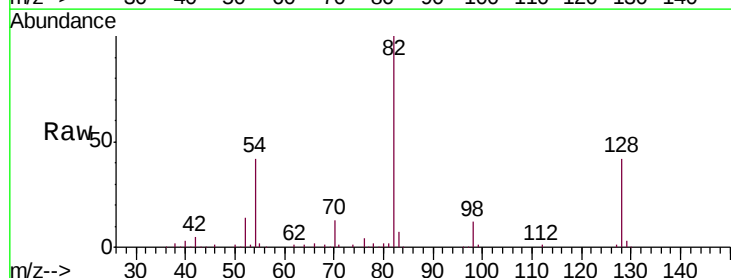
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-047-ARE

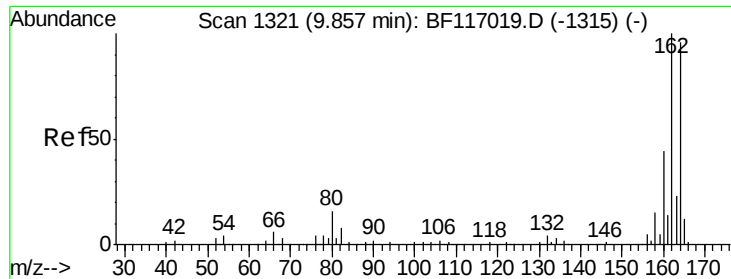
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.3	48.5
54	41.7	33.3	49.9



#25
 Isophorone
 Concen: 35.453 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.28 min
 Lab File: BF117328.D
 Acq: 3 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-ARE

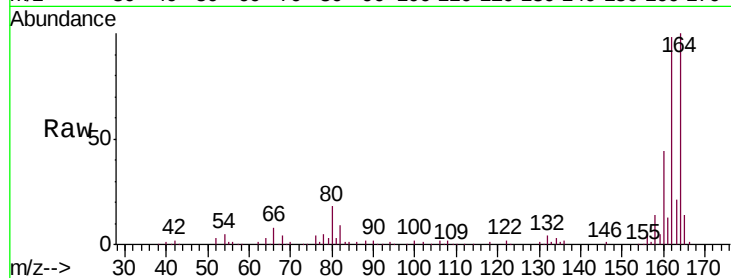
Tgt Ion:164 Resp: 118737

Ion Ratio Lower Upper

164 100

162 98.2 83.4 125.2

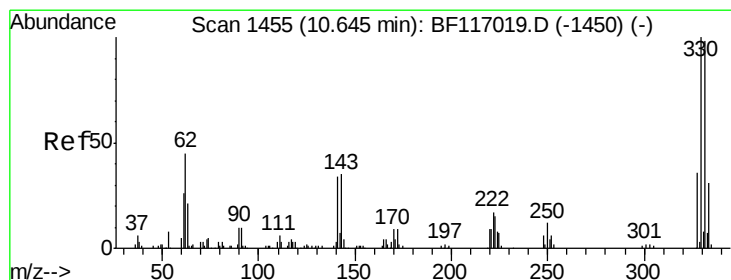
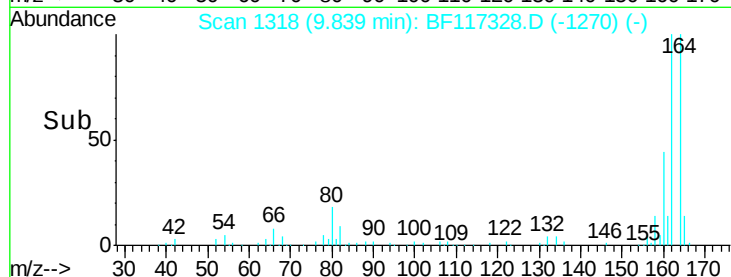
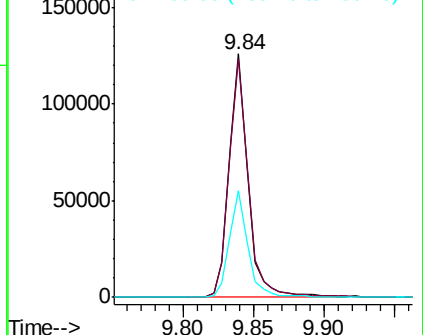
160 43.6 36.4 54.6



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: 79.578 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

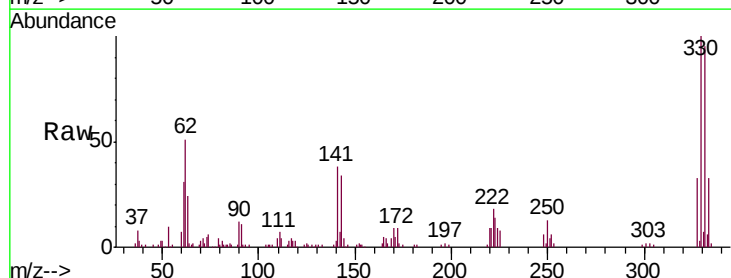
Tgt Ion:330 Resp: 78971

Ion Ratio Lower Upper

330 100

332 94.3 78.0 117.0

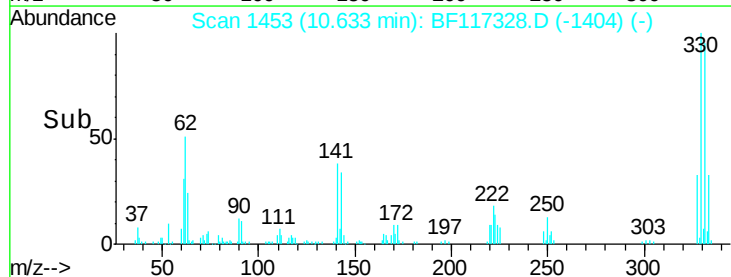
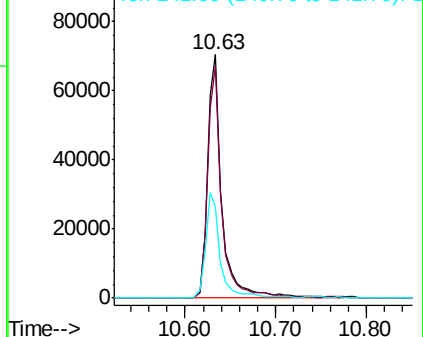
141 43.9 35.8 53.6

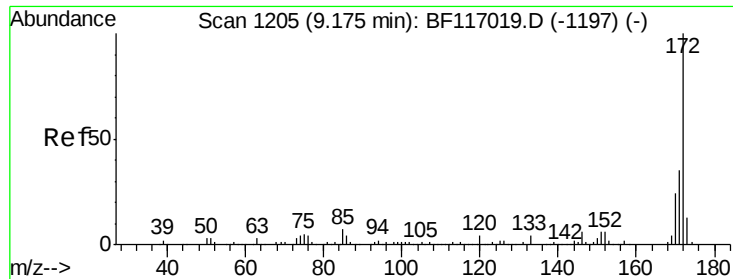


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

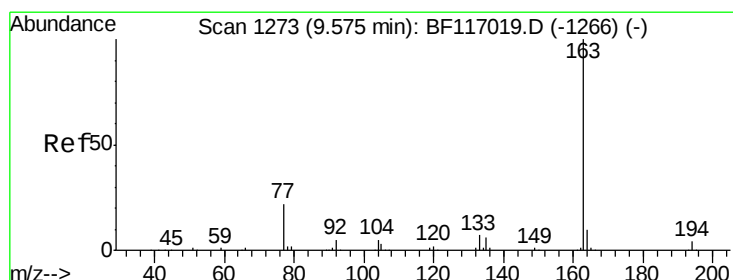
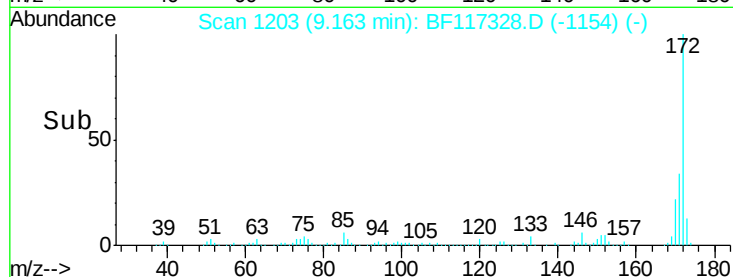
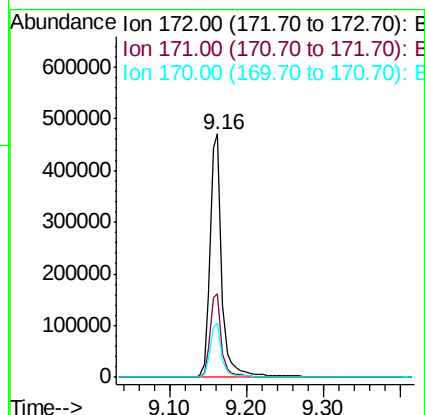
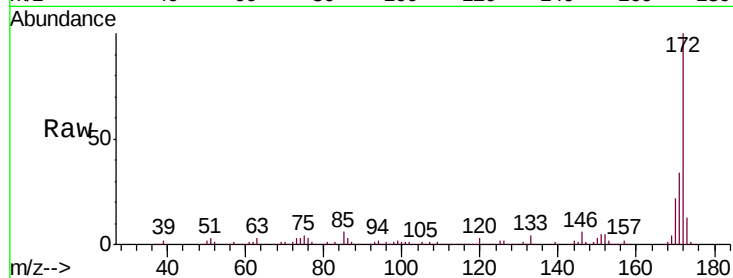




#45
2-Fluorobiphenyl
Concen: 65.920 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117328.D
Acq: 3 Oct 2019 20:39

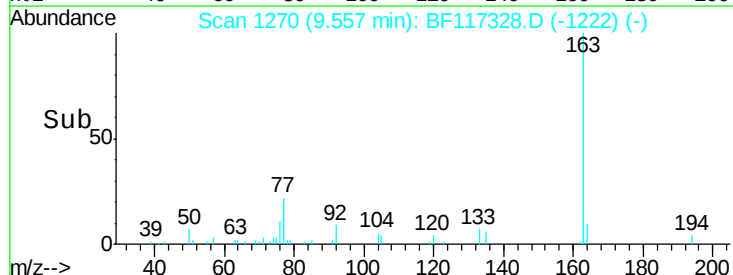
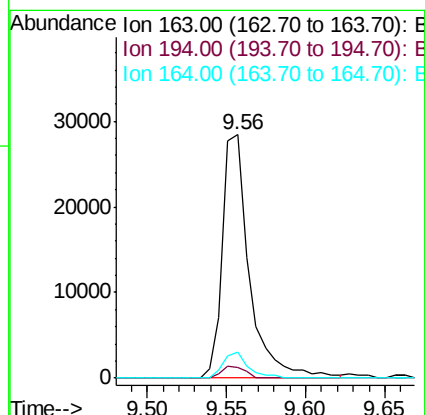
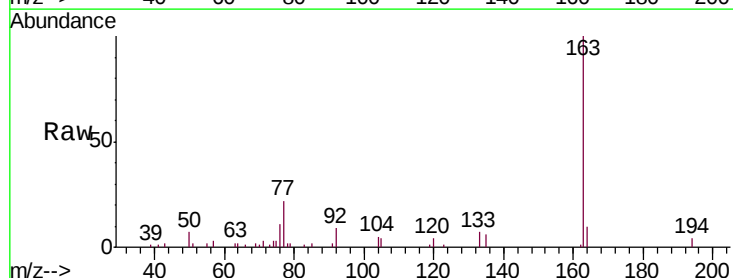
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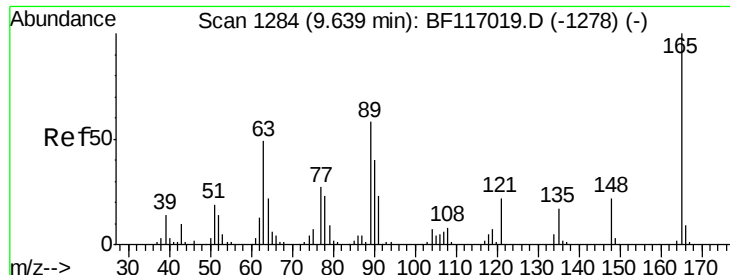
Tgt Ion:172 Resp: 500596
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 22.5 18.9 28.3



#50
Dimethylphthalate
Concen: 4.000 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117328.D
Acq: 3 Oct 2019 20:39

Tgt Ion:163 Resp: 33629
Ion Ratio Lower Upper
163 100
194 4.2 2.9 4.3
164 10.5 8.2 12.4

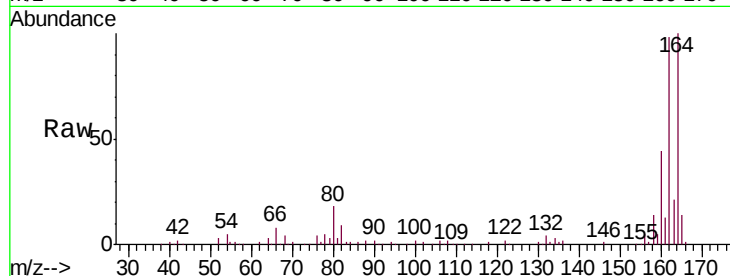




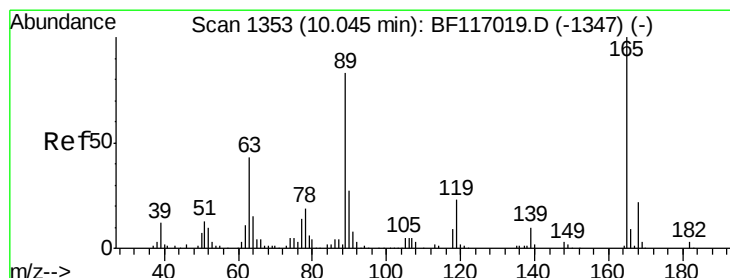
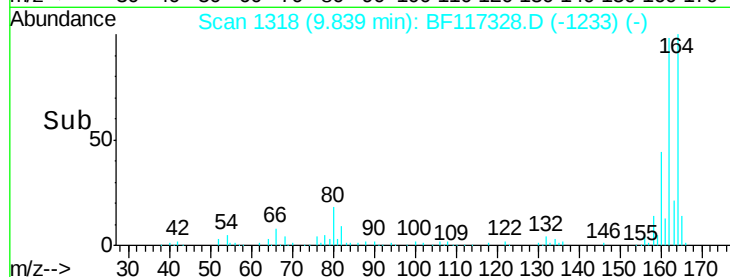
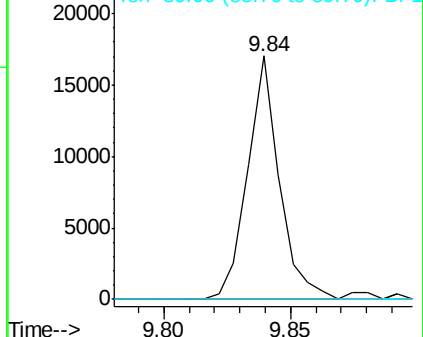
#51
 2,6-Dinitrotoluene
 Concen: 8.735 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF117328.D
 Acq: 3 Oct 2019 20:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-047-ARE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#

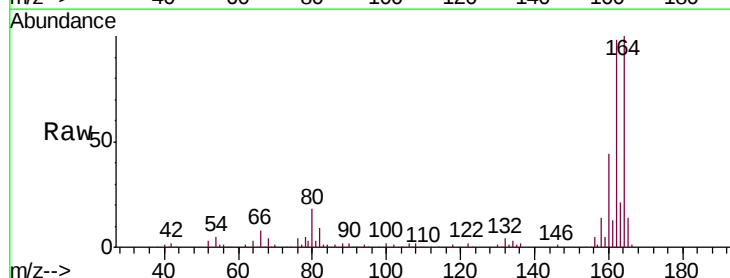


Abundance Ion 165.00 (164.70 to 165.70): E

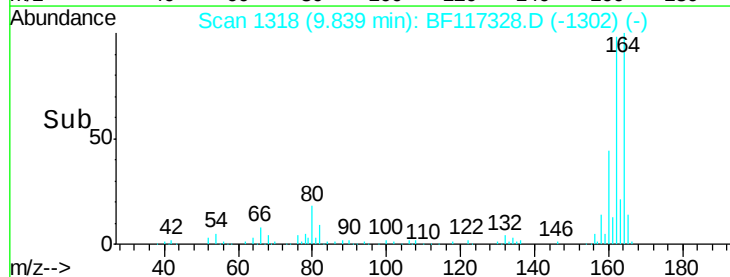
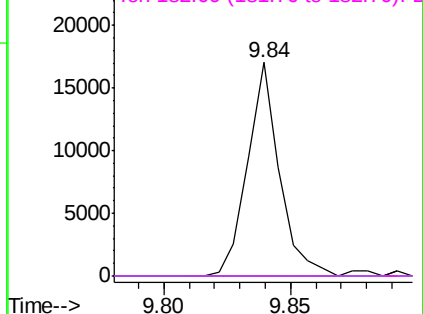


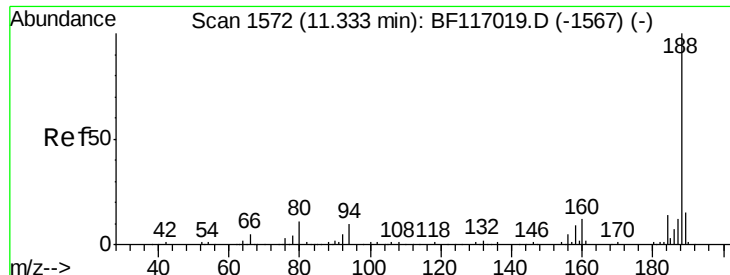
#57
 2,4-Dinitrotoluene
 Concen: 6.729 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF117328.D
 Acq: 3 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



Abundance Ion 165.00 (164.70 to 165.70): E

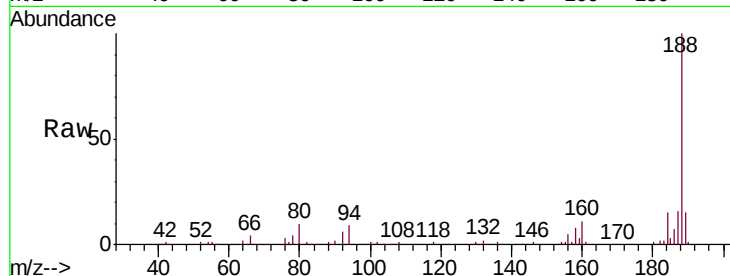




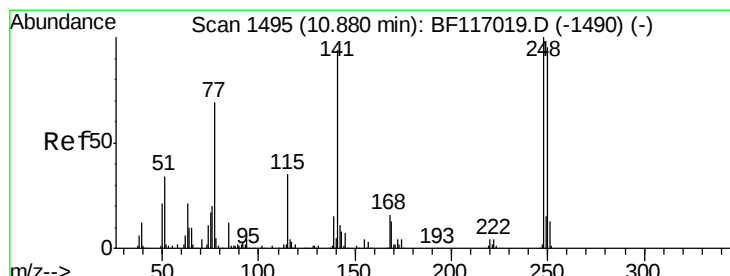
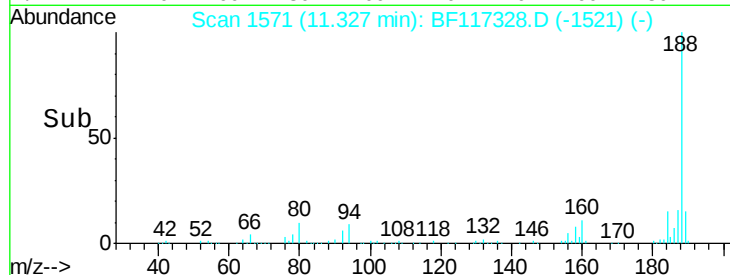
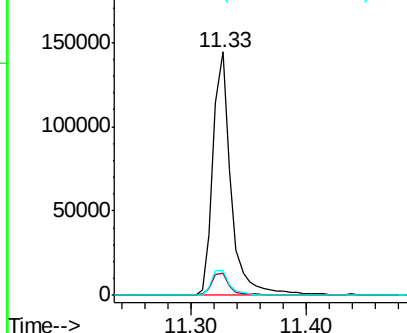
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117328.D
Acq: 3 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-047-ARE

Tgt Ion:188 Resp: 157064
Ion Ratio Lower Upper
188 100
94 9.1 8.2 12.2
80 10.1 9.0 13.6

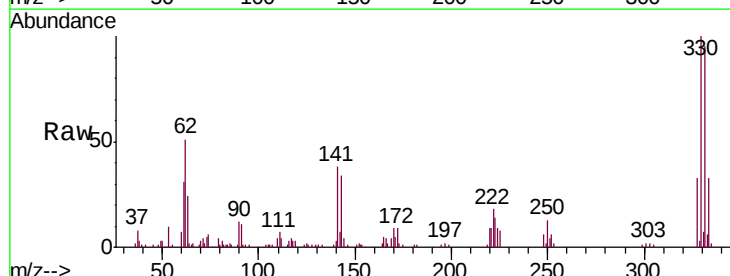


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

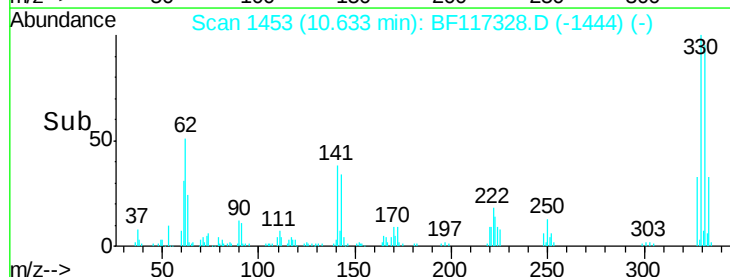
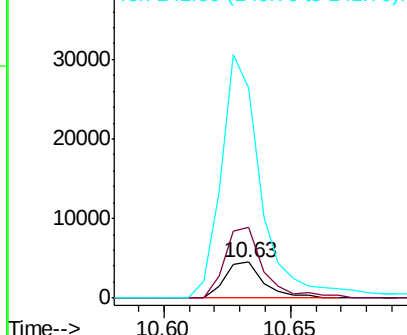


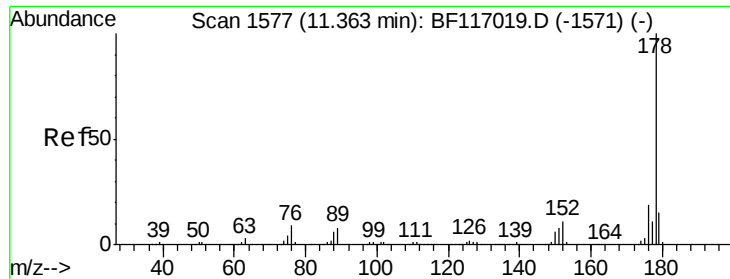
#67
4-Bromophenyl-phenylether
Concen: 2.995 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF117328.D
Acq: 3 Oct 2019 20:39

Tgt Ion:248 Resp: 4804
Ion Ratio Lower Upper
248 100
250 197.6 76.2 114.4#
141 582.0 75.0 112.4#



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

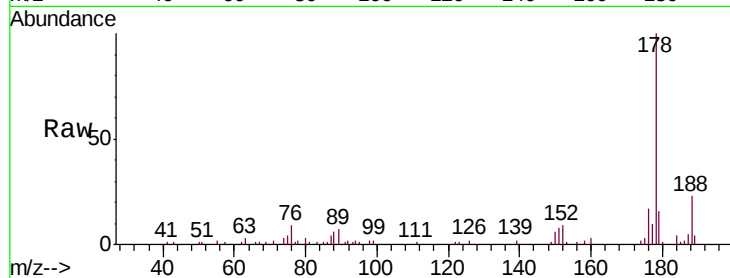




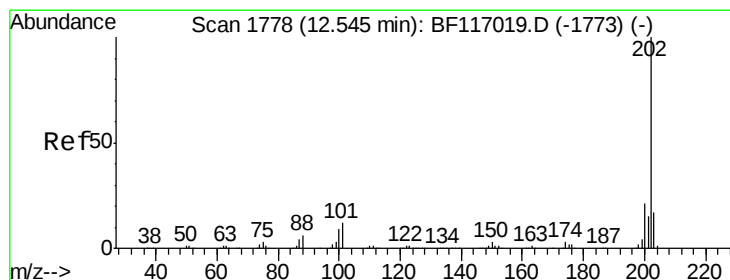
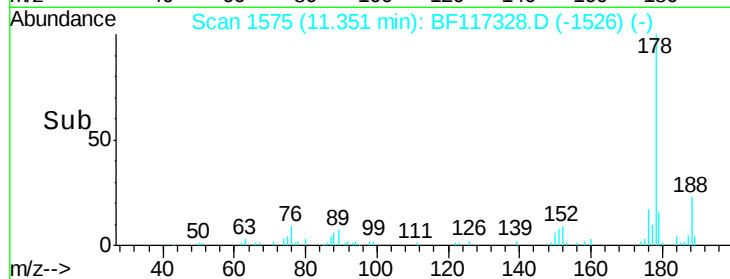
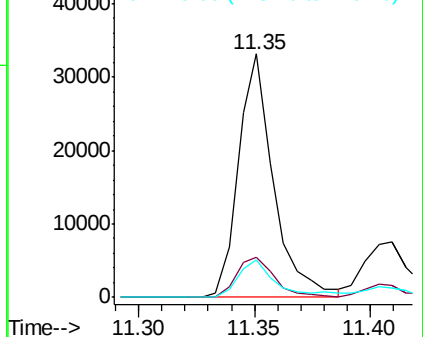
#71
Phenanthrene
Concen: 3.951 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF117328.D
Acq: 3 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-047-ARE

Tgt Ion:178 Resp: 35246
Ion Ratio Lower Upper
178 100
176 16.5 15.4 23.2
179 15.7 12.4 18.6

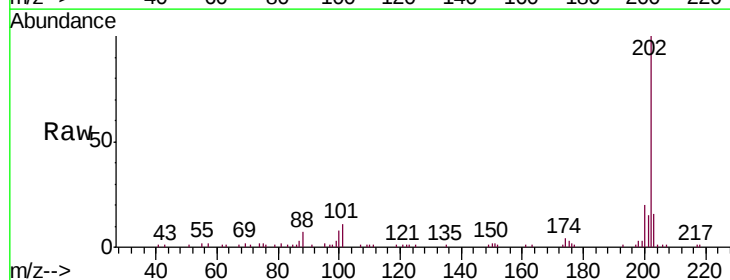


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

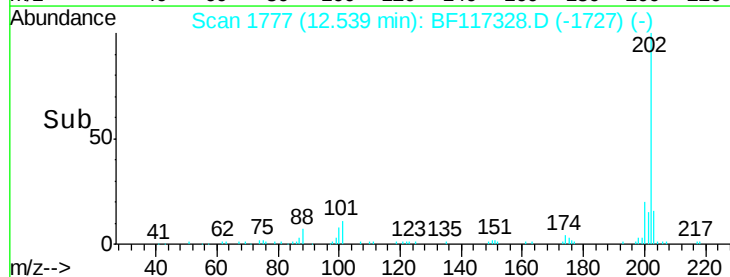
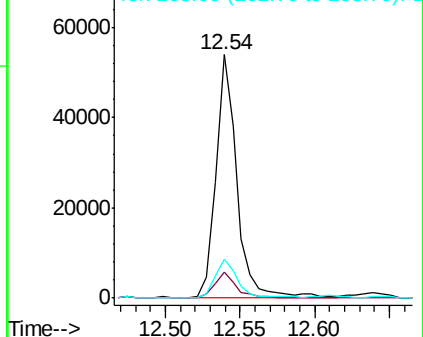


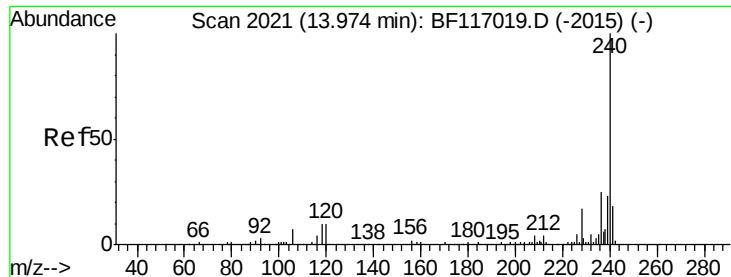
#75
Fluoranthene
Concen: 5.804 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF117328.D
Acq: 3 Oct 2019 20:39

Tgt Ion:202 Resp: 53202
Ion Ratio Lower Upper
202 100
101 10.6 0.0 32.3
203 16.1 0.0 37.1



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-ARE

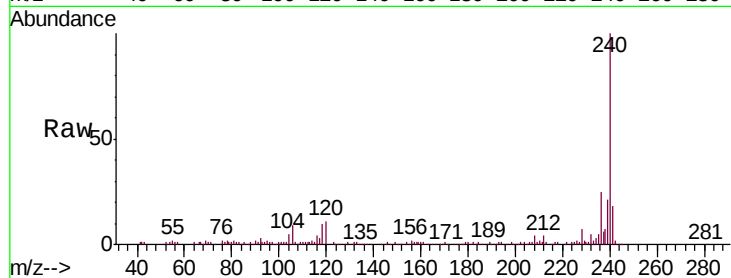
Tgt Ion:240 Resp: 98415

Ion Ratio Lower Upper

240 100

120 11.1 8.3 12.5

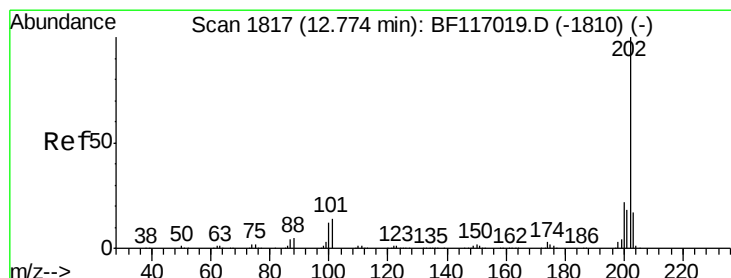
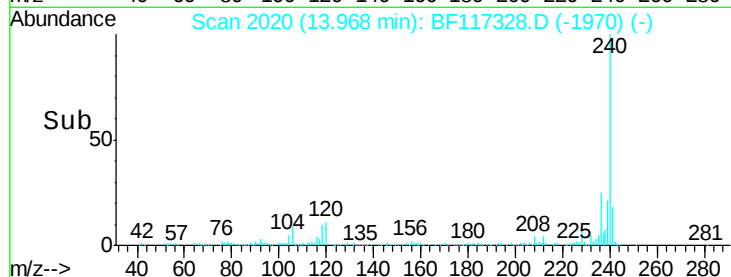
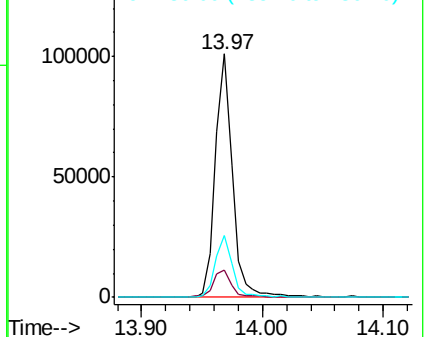
236 25.2 20.3 30.5



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: 5.714 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

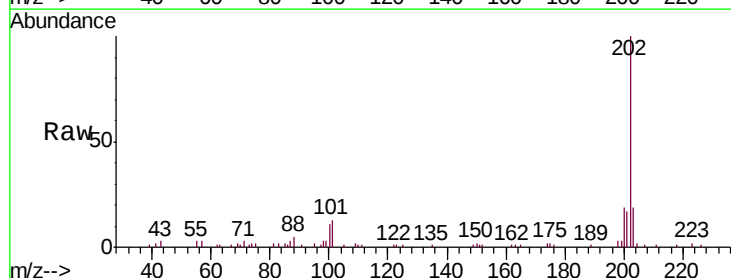
Tgt Ion:202 Resp: 47181

Ion Ratio Lower Upper

202 100

200 19.1 17.2 25.8

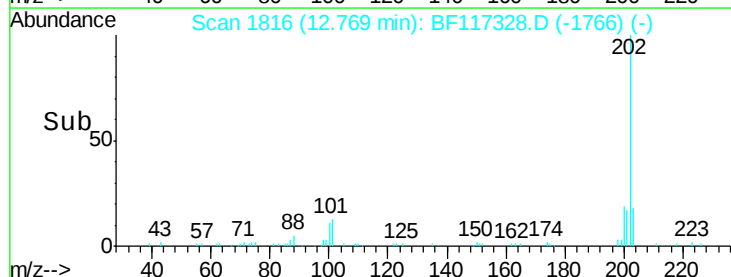
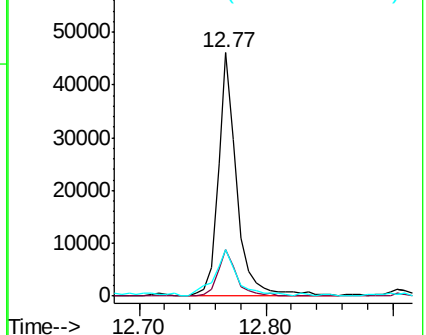
203 18.8 14.0 21.0

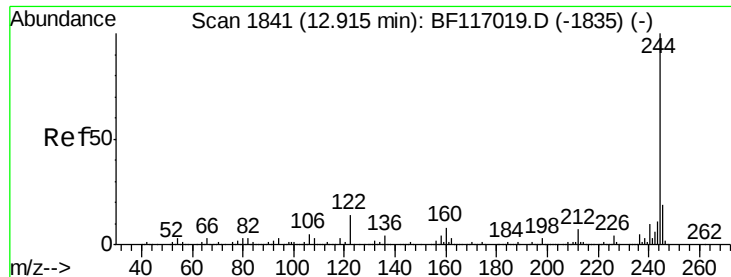


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 56.507 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-ARE

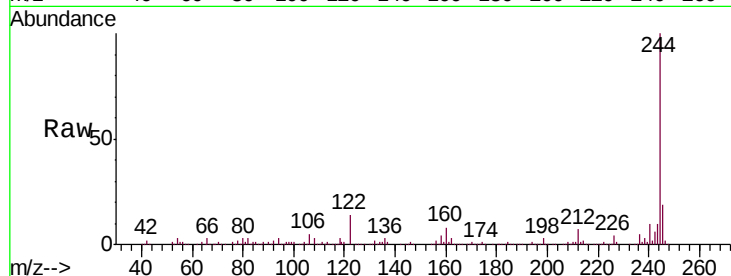
Tgt Ion:244 Resp: 297512

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

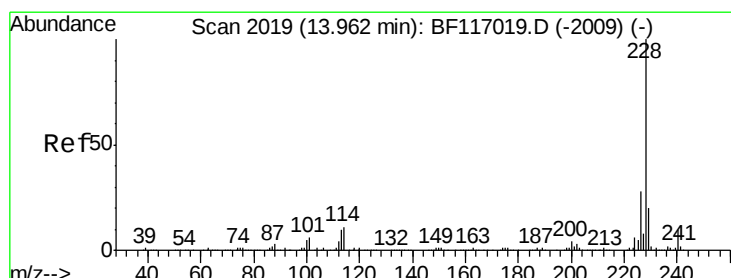
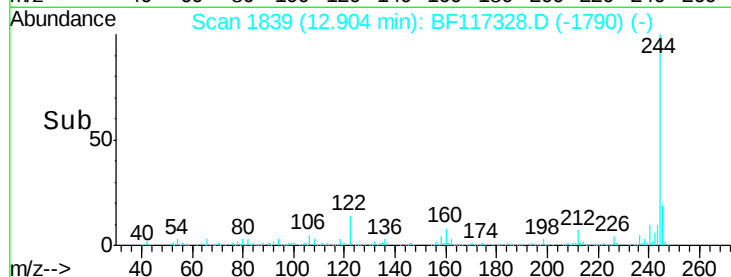
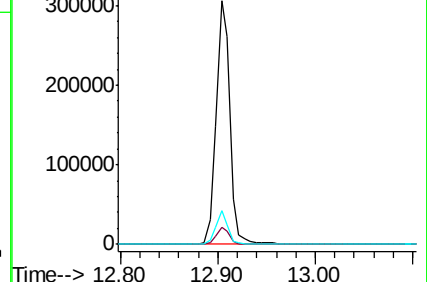
122 14.1 11.3 16.9



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: 3.613 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

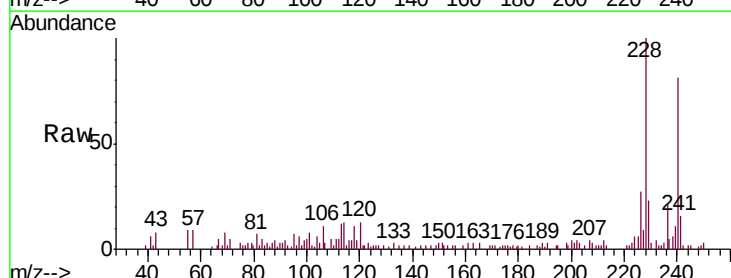
Tgt Ion:228 Resp: 23758

Ion Ratio Lower Upper

228 100

226 26.7 22.3 33.5

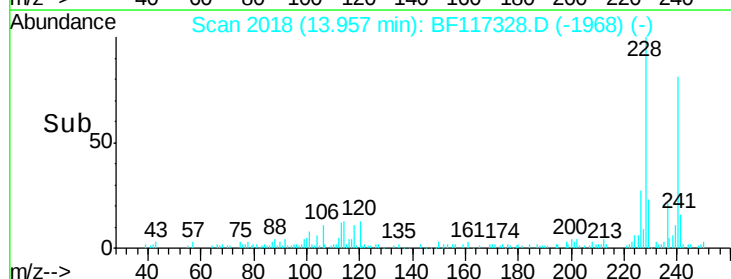
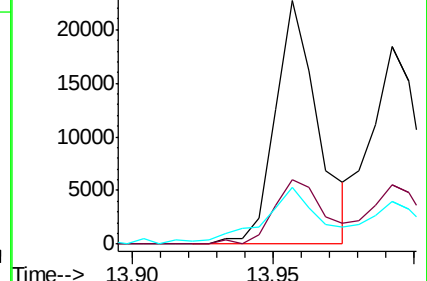
229 23.3 15.9 23.9

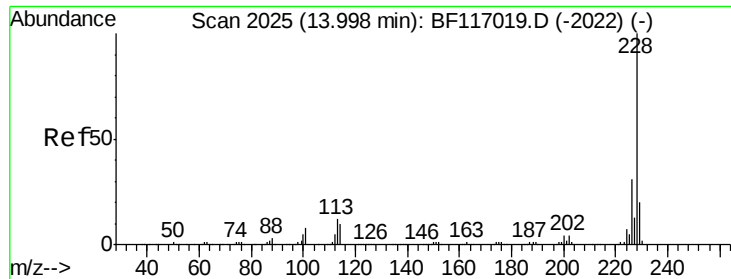


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.540 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-ARE

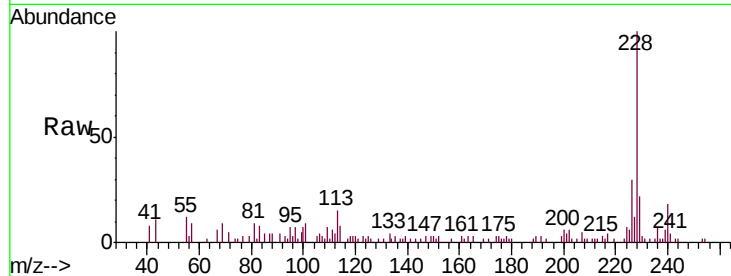
Tgt Ion:228 Resp: 22700

Ion Ratio Lower Upper

228 100

226 30.1 24.8 37.2

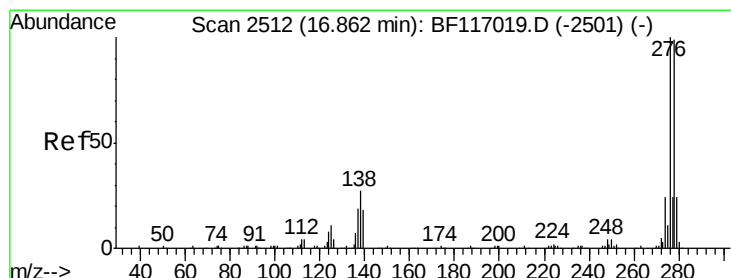
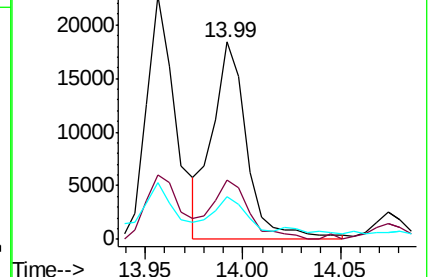
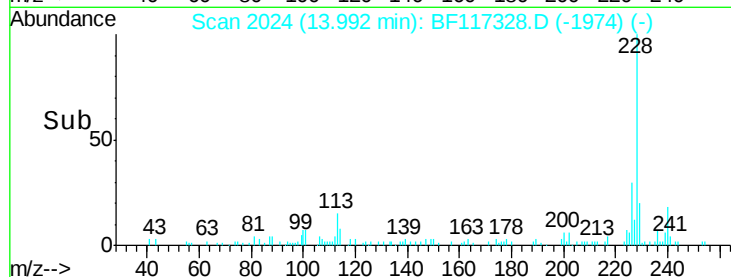
229 21.9 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.873 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.02 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

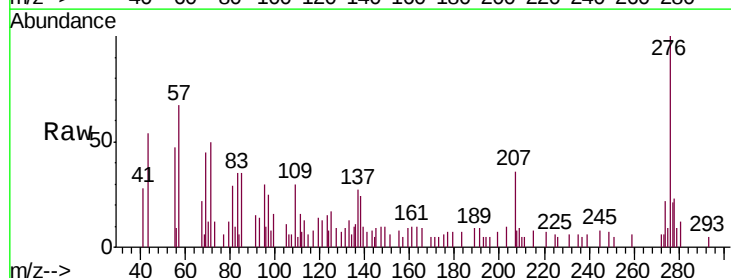
Tgt Ion:276 Resp: 13441

Ion Ratio Lower Upper

276 100

138 33.4 20.7 31.1#

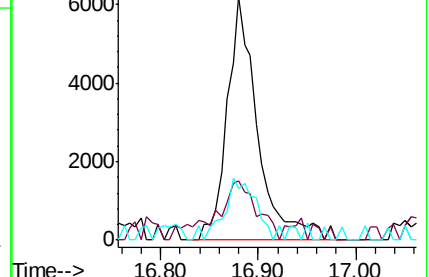
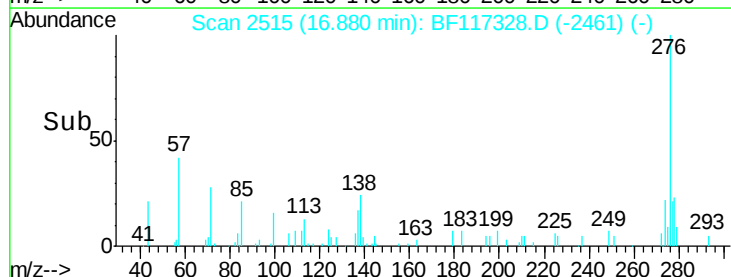
277 26.0 19.8 29.8

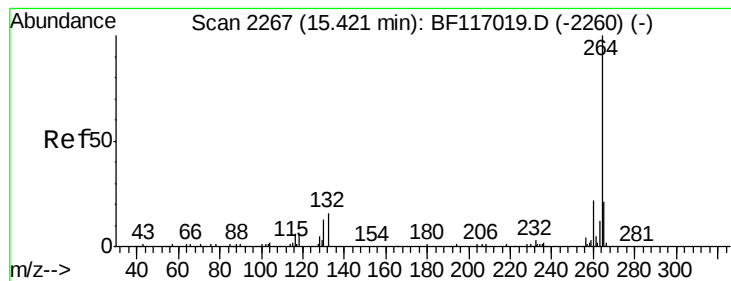


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-ARE

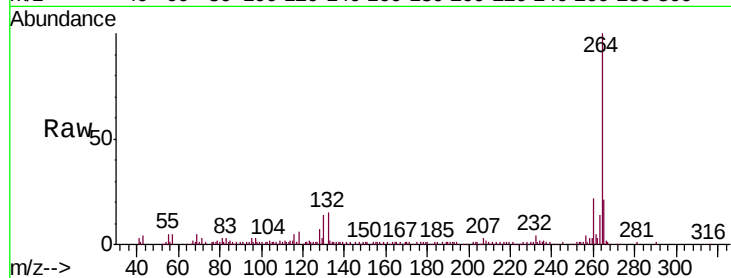
Tgt Ion:264 Resp: 113497

Ion Ratio Lower Upper

264 100

260 21.7 17.6 26.4

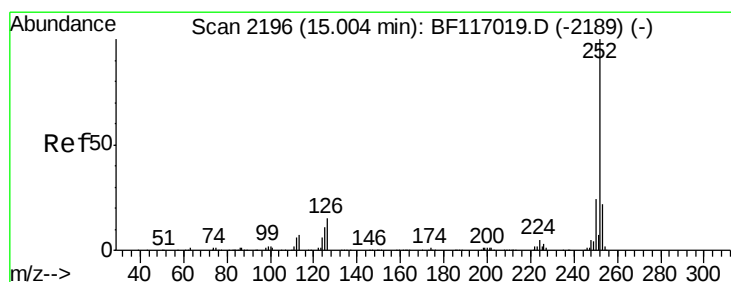
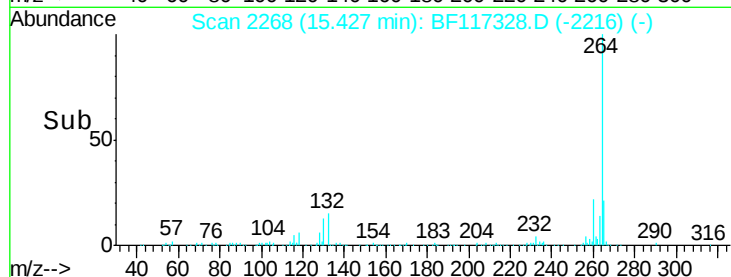
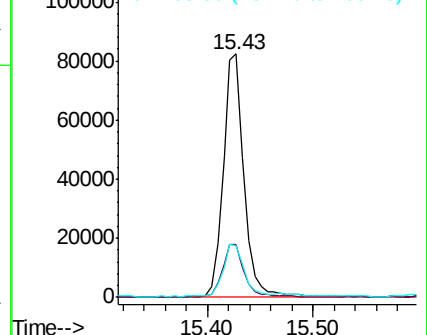
265 21.0 16.6 24.8



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: 5.812 ng

RT: 15.00 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

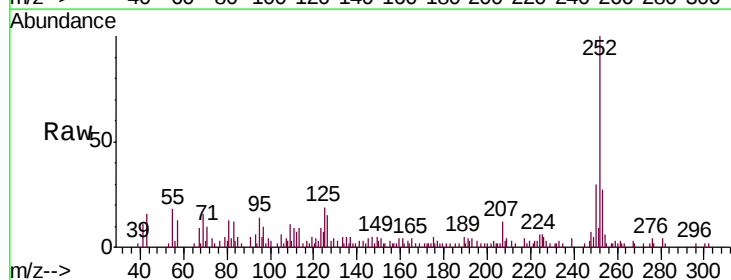
Tgt Ion:252 Resp: 39957

Ion Ratio Lower Upper

252 100

253 27.1 17.6 26.4#

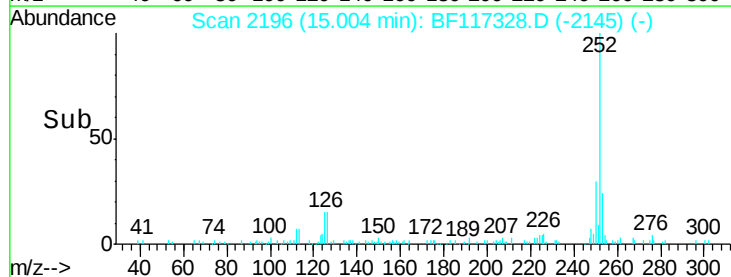
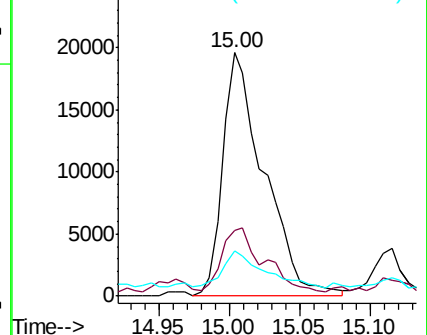
125 18.7 8.6 12.8#

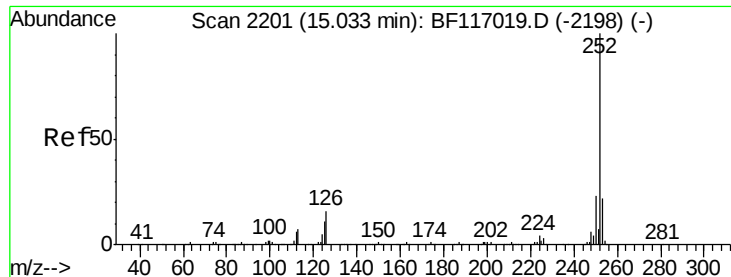


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.135 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.03 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-ARE

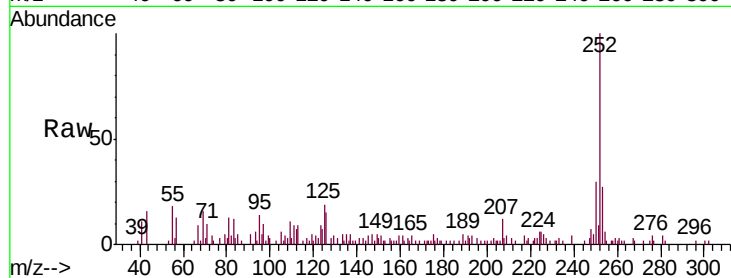
Tgt Ion:252 Resp: 39957

Ion Ratio Lower Upper

252 100

253 27.1 17.4 26.2#

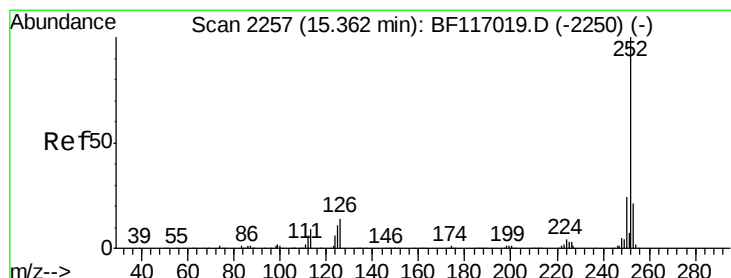
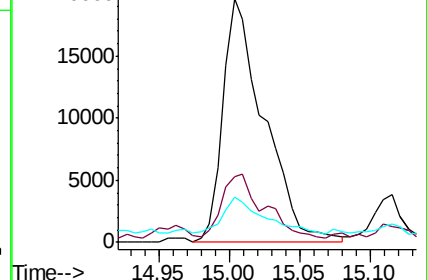
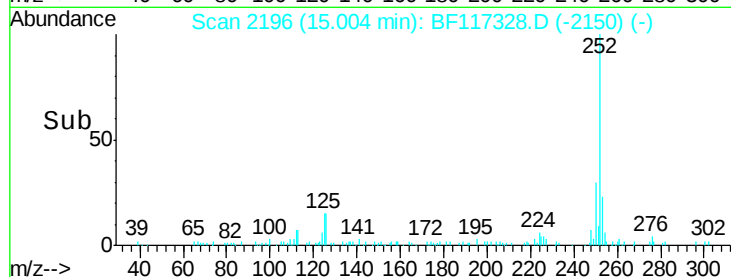
125 18.7 8.8 13.2#



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



#90

Benzo(a)pyrene

Concen: 3.709 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

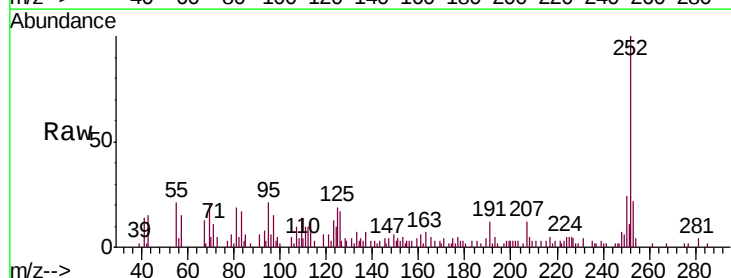
Tgt Ion:252 Resp: 22375

Ion Ratio Lower Upper

252 100

253 21.8 16.6 25.0

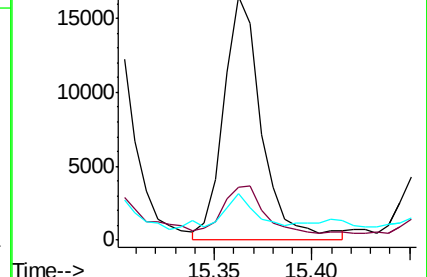
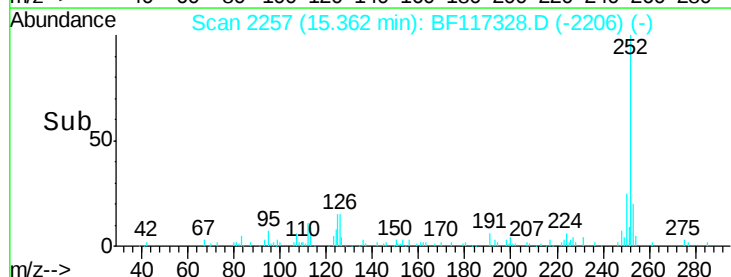
125 19.3 8.9 13.3#

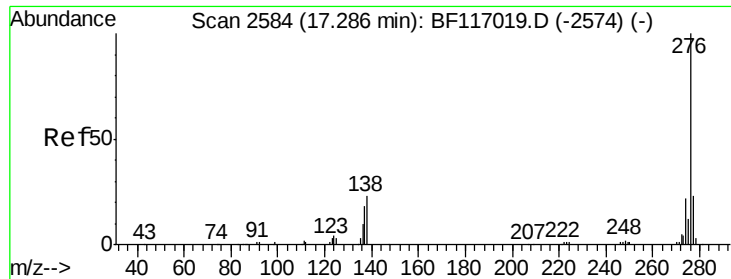


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 2.186 ng

RT: 17.32 min Scan# 2590

Delta R.T. 0.04 min

Lab File: BF117328.D

Acq: 3 Oct 2019 20:39

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-ARE

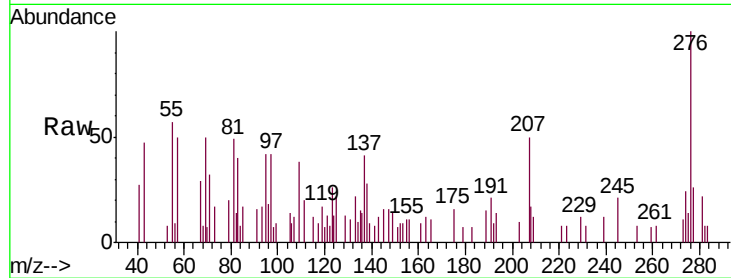
Tgt Ion: 276 Resp: 10468

Ion Ratio Lower Upper

276 100

277 26.1 18.6 27.8

138 28.0 18.0 27.0#



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

