

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100319\
 Data File : BF117330.D
 Acq On : 3 Oct 2019 21:32
 Operator : JU
 Sample : K5137-03RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Oct 04 03:21:00 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	56594	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	228028	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	102352	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	128775	20.00	ng	0.00
76) Chrysene-d12	13.97	240	103695	20.00	ng	0.00
87) Perylene-d12	15.43	264	101467	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	277988	76.69	ng	0.00
7) Phenol-d6	6.45	99	406713	86.82	ng	0.00
23) Nitrobenzene-d5	7.37	82	250363	57.69	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	54938	64.22	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	387374	59.18	ng	-0.02
79) Terphenyl-d14	12.90	244	247103	44.54	ng	-0.01

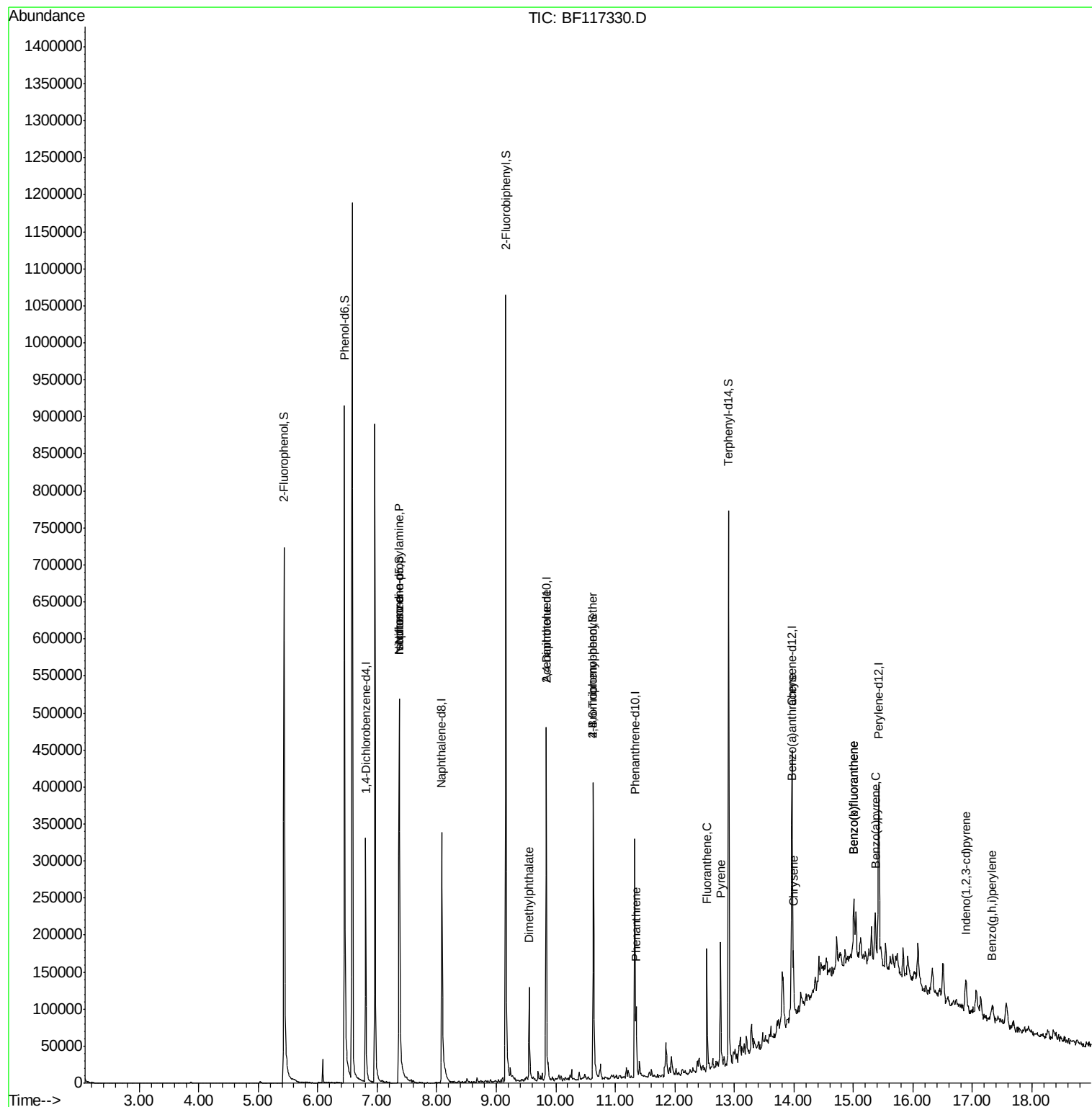
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	346	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	30179	10.579	ng	# 80
25) Isophorone	7.37	82	250361	32.582	ng	# 66
50) Dimethylphthalate	9.55	163	56346	7.775	ng	# 99
57) 2,4-Dinitrotoluene	9.84	165	13281	6.932	ng	# 18
67) 4-Bromophenyl-phenylether	10.63	248	3405	2.589	ng	# 1
71) Phenanthrene	11.35	178	35757	4.889	ng	# 99
75) Fluoranthene	12.54	202	69860	9.295	ng	# 98
78) Pyrene	12.77	202	68686	7.894	ng	# 99
81) Benzo(a)anthracene	13.96	228	37603	5.428	ng	# 96
83) Chrysene	14.00	228	34616	5.123	ng	# 96
86) Indeno(1,2,3-cd)pyrene	16.89	276	14042	2.848	ng	# 72
88) Benzo(b)fluoranthene	15.01	252	55883	9.092	ng	# 87
89) Benzo(k)fluoranthene	15.01	252	55883	9.598	ng	# 87
90) Benzo(a)pyrene	15.37	252	29049	5.386	ng	# 86
92) Benzo(g,h,i)perylene	17.33	276	15681	3.663	ng	# 90

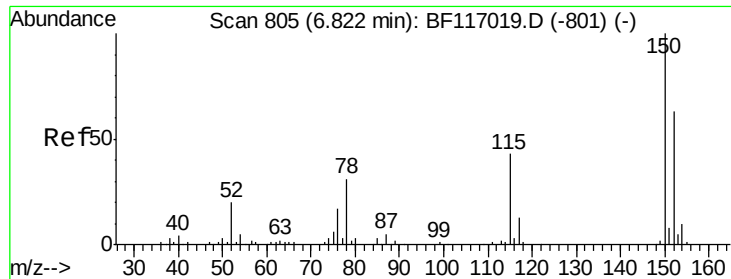
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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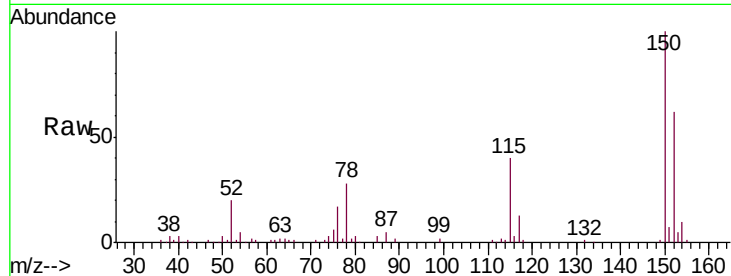


#1

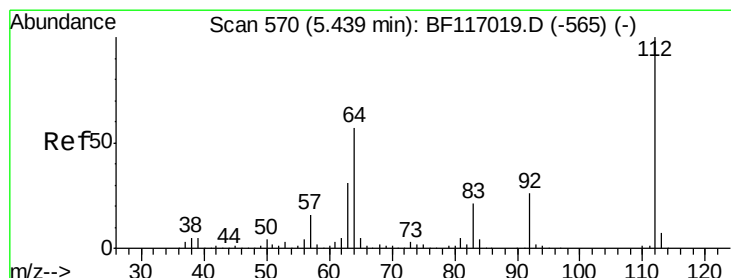
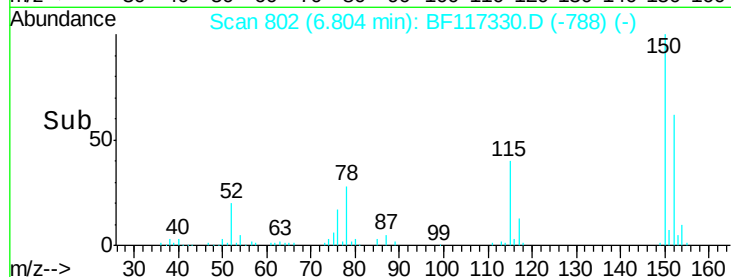
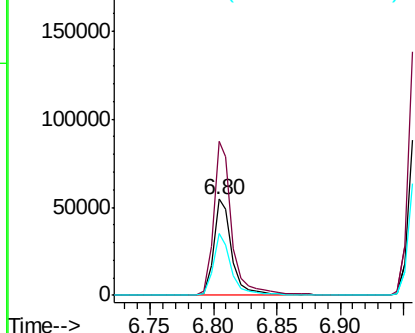
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117330.D
Acq: 3 Oct 2019 21:32

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

Tgt Ion:152 Resp: 56594
Ion Ratio Lower Upper
152 100
150 160.9 127.5 191.3
115 64.7 55.0 82.4



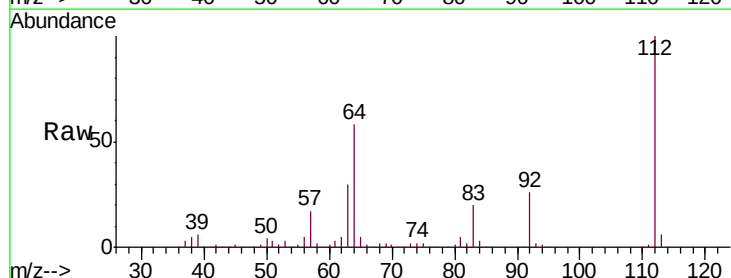
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



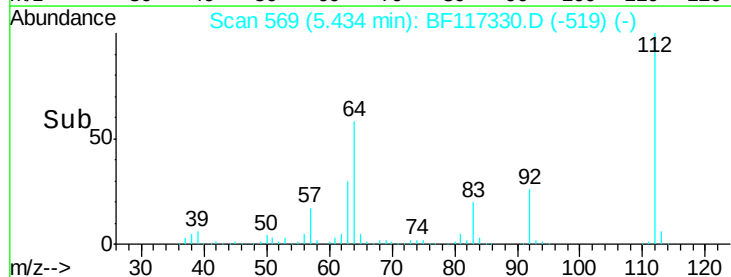
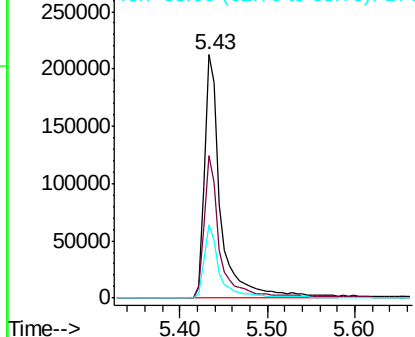
#5

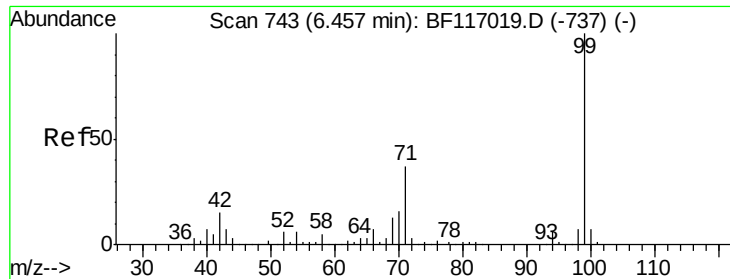
2-Fluorophenol
Concen: 76.688 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117330.D
Acq: 3 Oct 2019 21:32

Tgt Ion:112 Resp: 277988
Ion Ratio Lower Upper
112 100
64 58.5 45.7 68.5
63 30.0 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: 86.817 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117330.D

Acq: 3 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-BRE

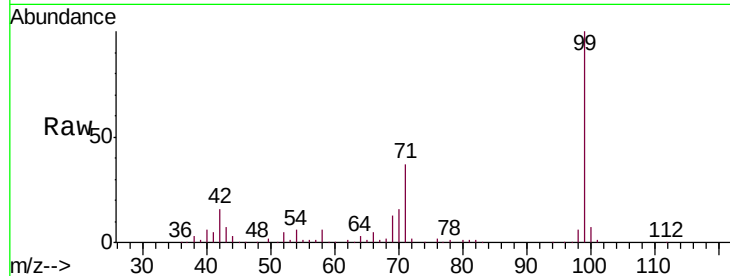
Tgt Ion: 99 Resp: 406713

Ion Ratio Lower Upper

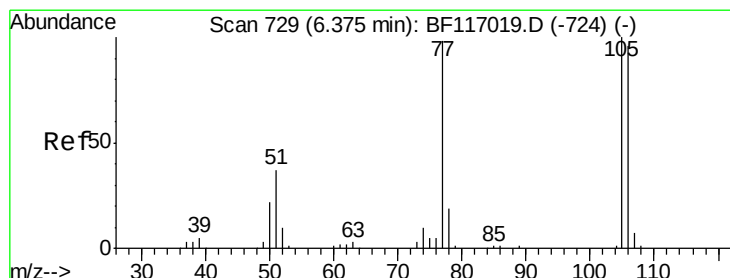
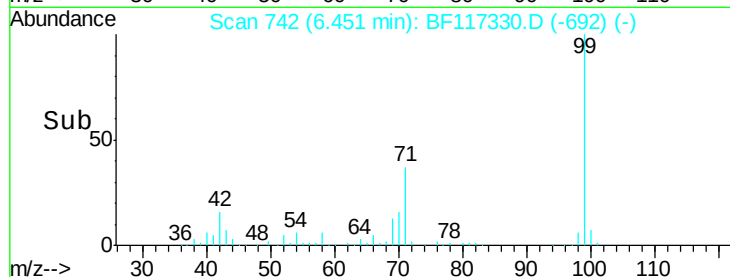
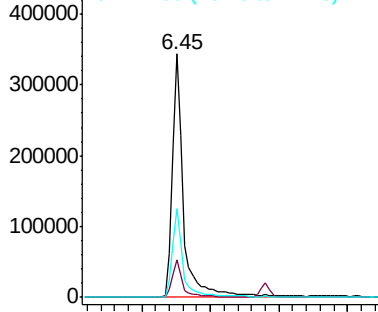
99 100

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: BF117330.D

Acq: 3 Oct 2019 21:32

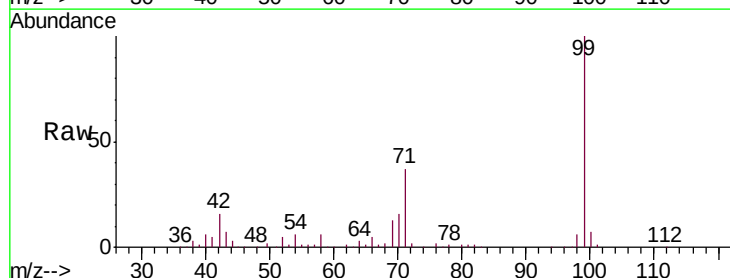
Tgt Ion: 77 Resp: 346

Ion Ratio Lower Upper

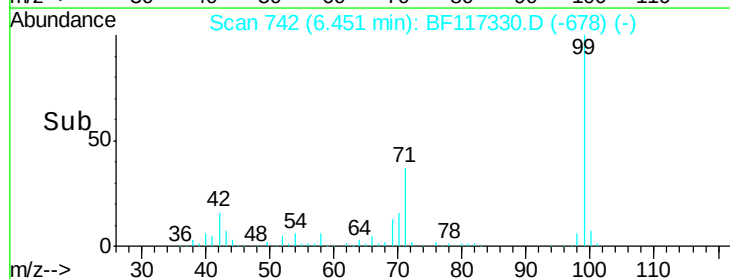
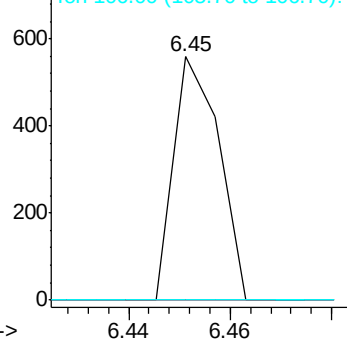
77 100

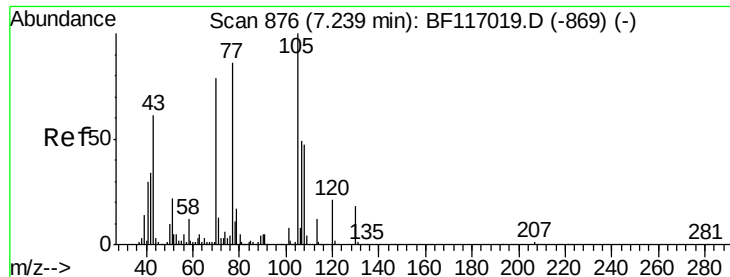
105 0.0 81.8 121.8#

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

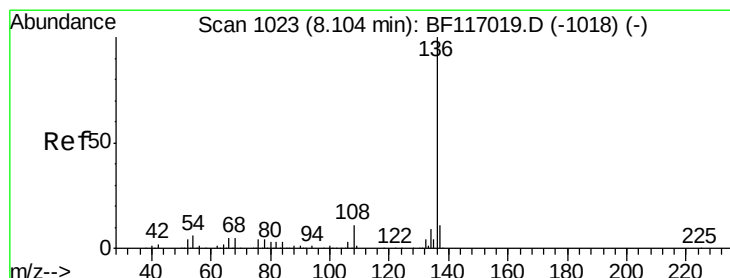
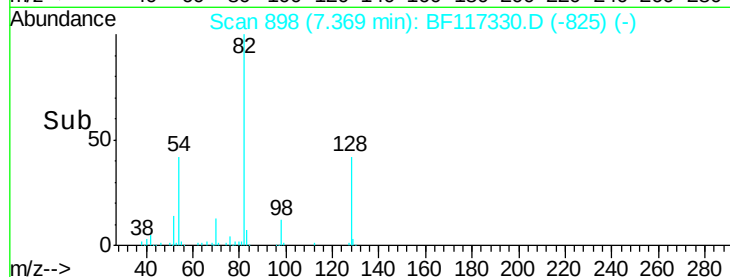
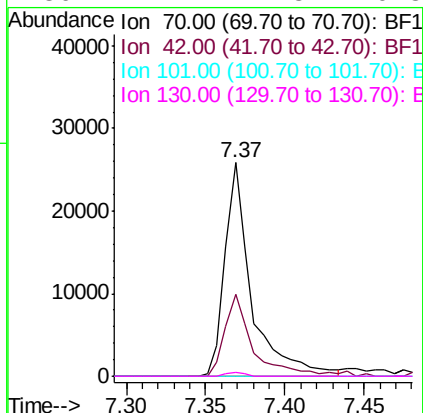
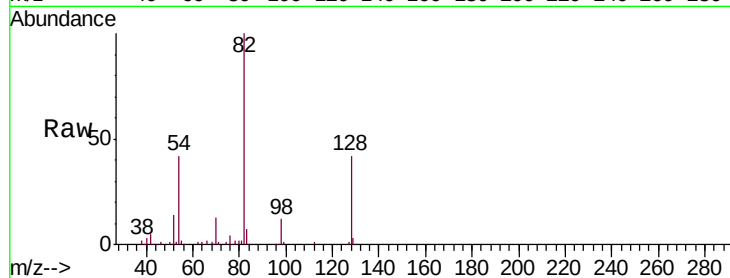




#19
n-Nitroso-di-n-propylamine
Concen: 10.579 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117330.D
Acq: 3 Oct 2019 21:32

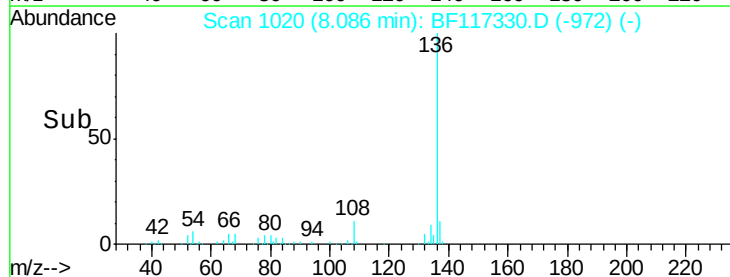
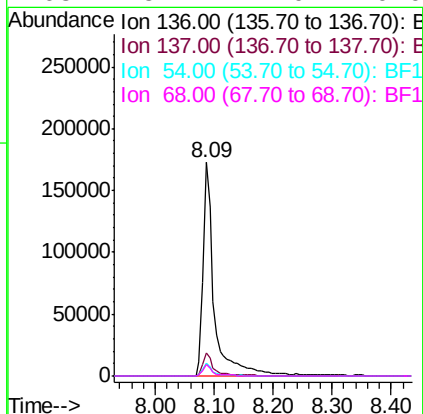
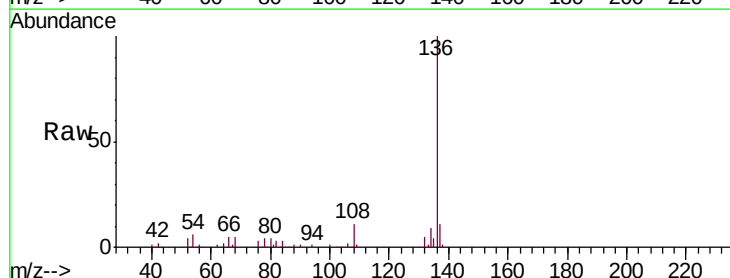
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FK-GF-02-047-BRE

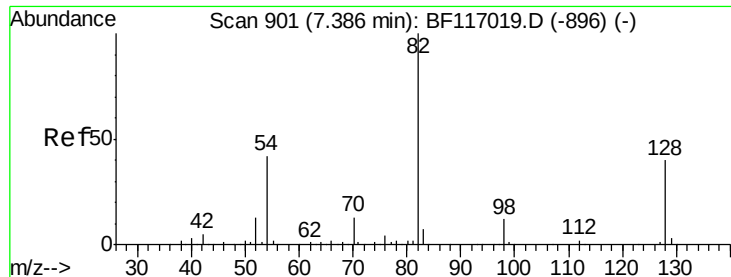
Tgt Ion: 70 Resp: 30179
Ion Ratio Lower Upper
70 100
42 38.3 34.0 51.0
101 0.0 7.8 11.6#
130 1.7 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117330.D
Acq: 3 Oct 2019 21:32

Tgt Ion: 136 Resp: 228028
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 5.8 4.5 6.7
68 5.1 4.0 6.0

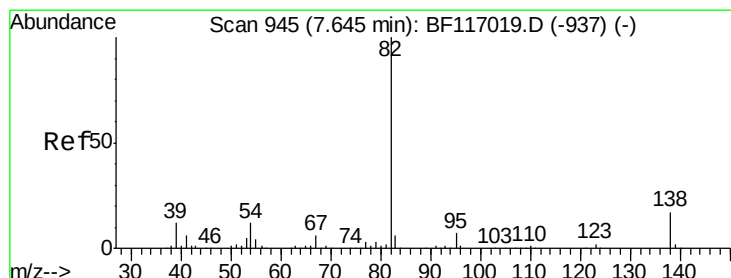
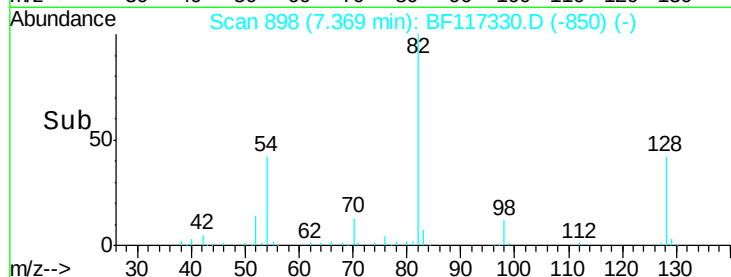
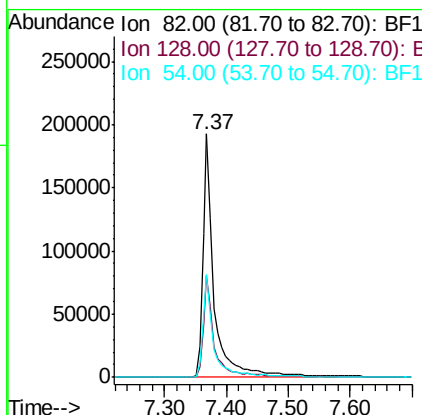
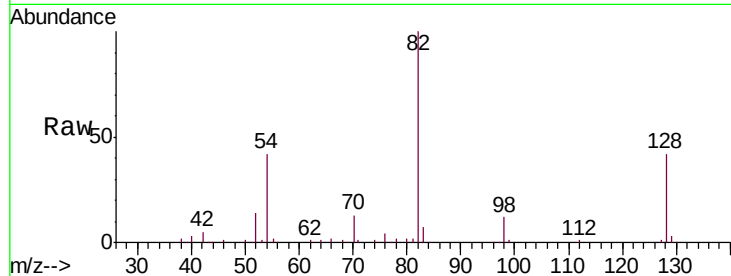




#23
 Nitrobenzene-d5
 Concen: 57.689 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

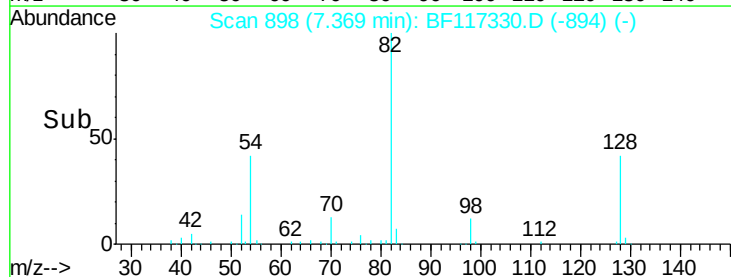
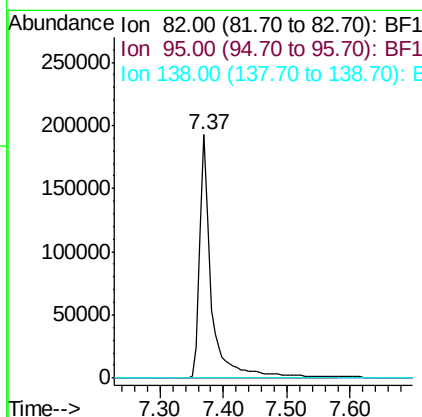
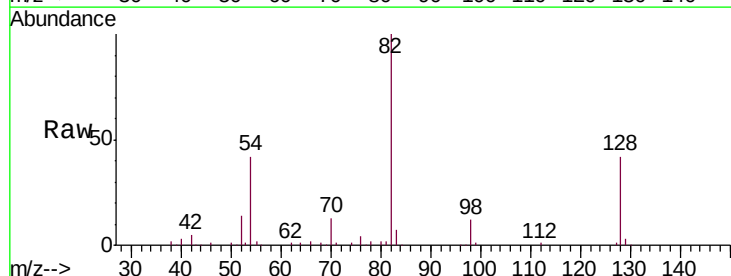
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-047-BRE

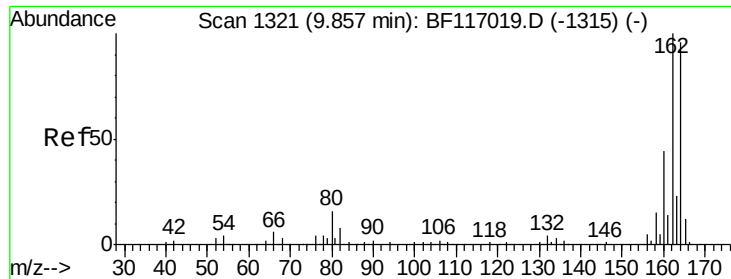
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.3	48.5
54	42.1	33.3	49.9



#25
 Isophorone
 Concen: 32.582 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.28 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

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: BF117330.D

Acq: 3 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-BRE

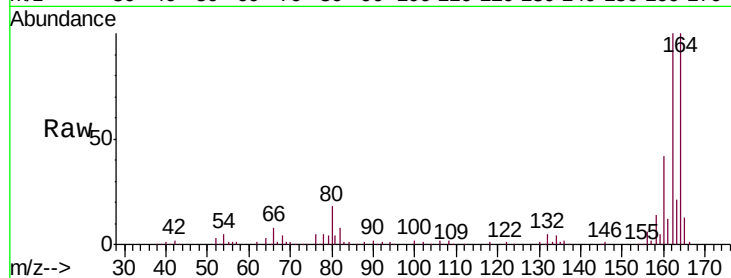
Tgt Ion:164 Resp: 102352

Ion Ratio Lower Upper

164 100

162 100.2 83.4 125.2

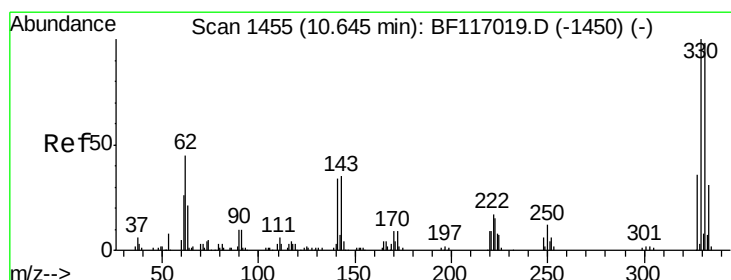
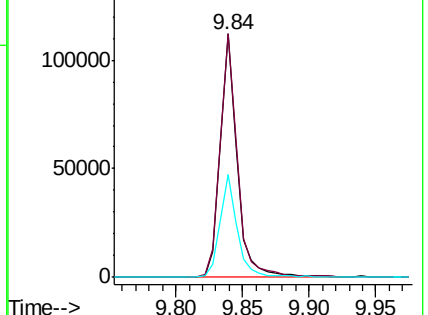
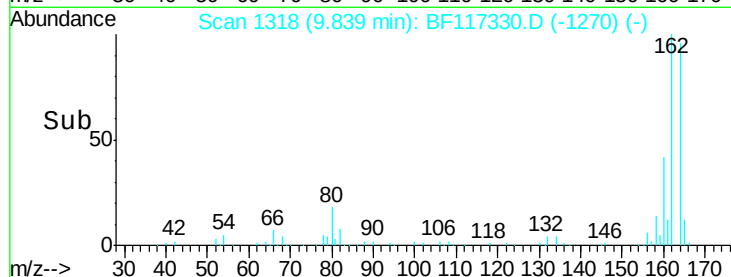
160 42.3 36.4 54.6



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: 64.223 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF117330.D

Acq: 3 Oct 2019 21:32

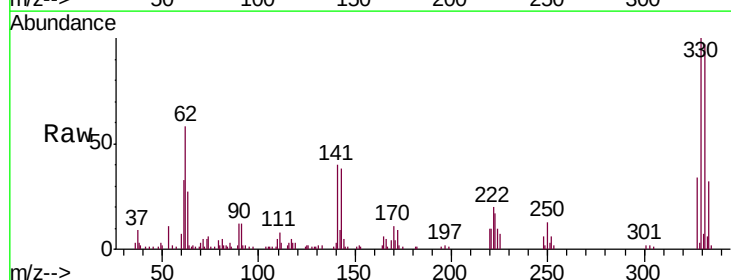
Tgt Ion:330 Resp: 54938

Ion Ratio Lower Upper

330 100

332 99.5 78.0 117.0

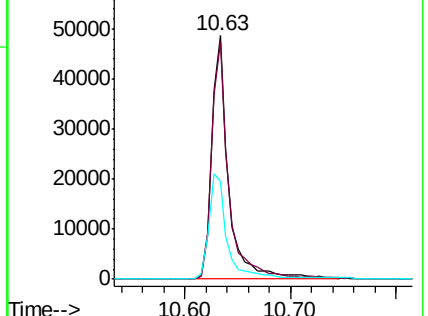
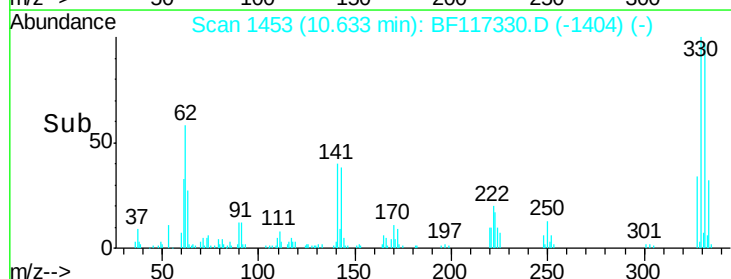
141 47.0 35.8 53.6

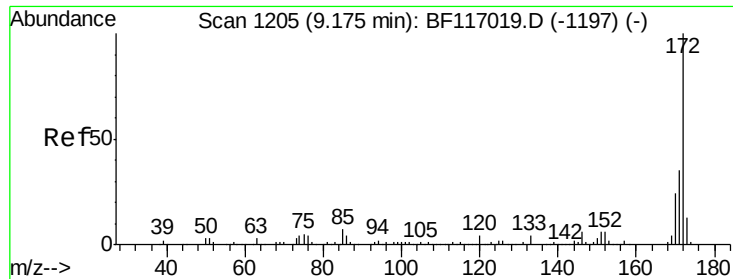


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

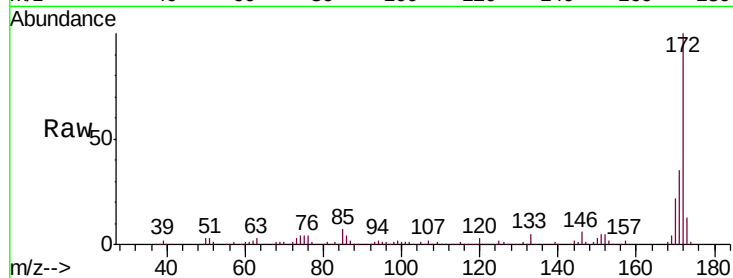




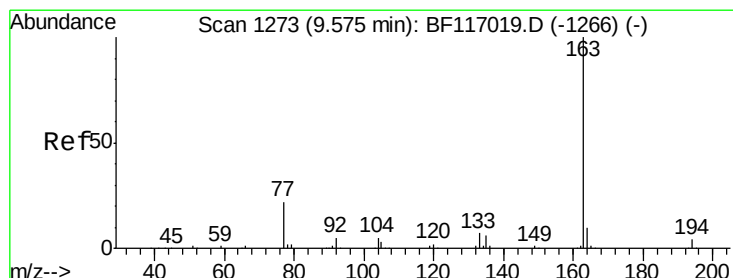
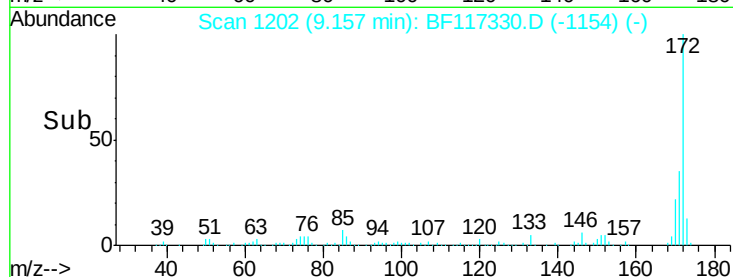
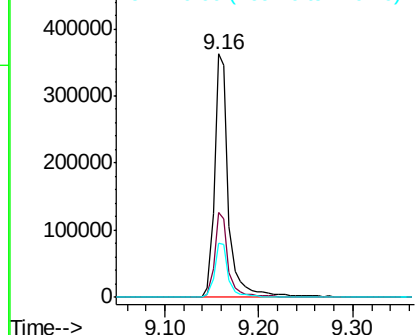
#45
 2-Fluorobiphenyl
 Concen: 59.177 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

Instrument :
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Tgt Ion:172 Resp: 387374
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.2 42.2
 170 22.5 18.9 28.3

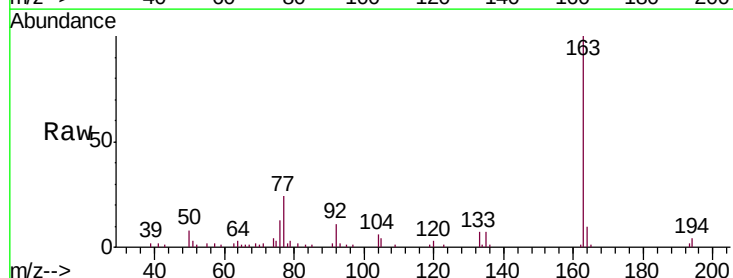


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

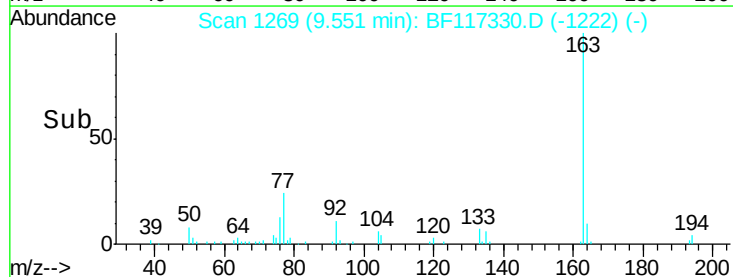
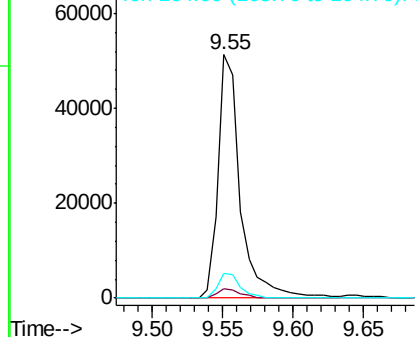


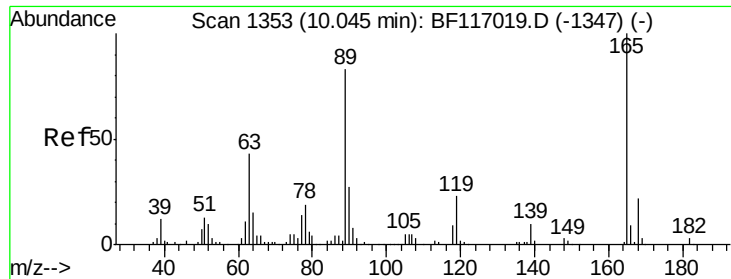
#50
 Dimethylphthalate
 Concen: 7.775 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

Tgt Ion:163 Resp: 56346
 Ion Ratio Lower Upper
 163 100
 194 4.1 2.9 4.3
 164 10.1 8.2 12.4



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

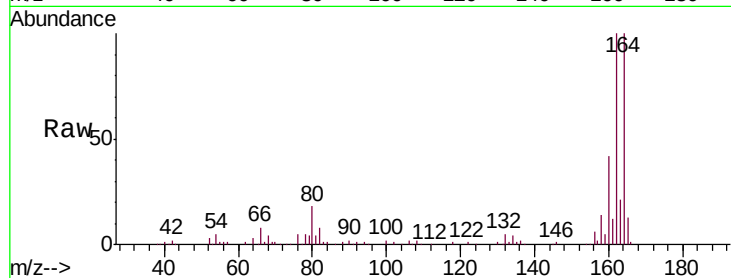




#57
 2,4-Dinitrotoluene
 Concen: 6.932 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

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

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#

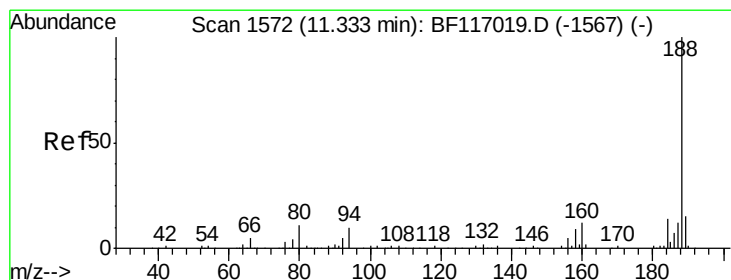
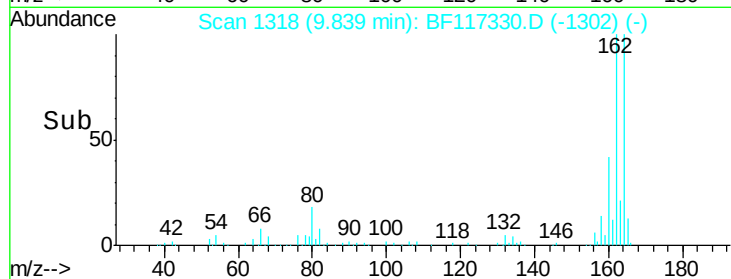
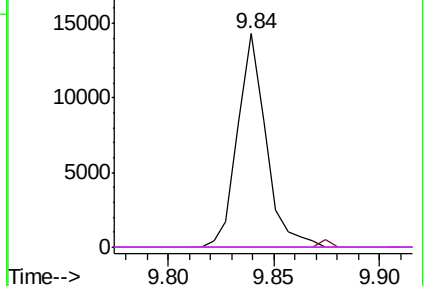


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

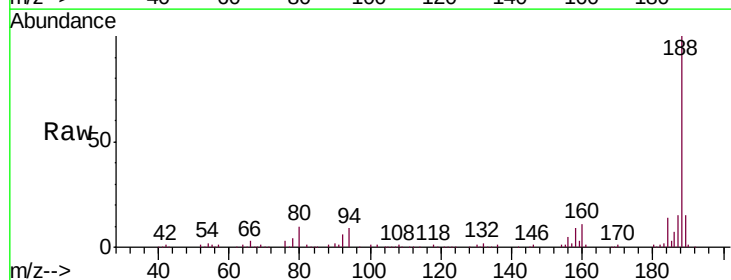
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

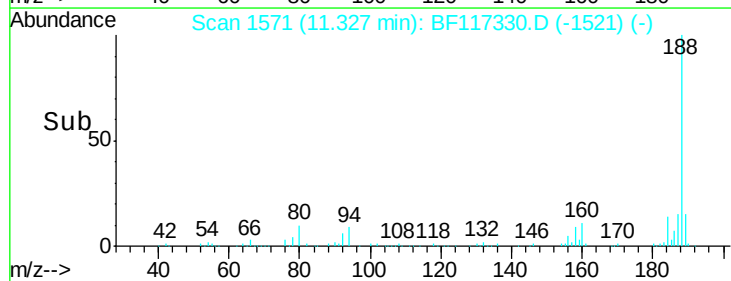
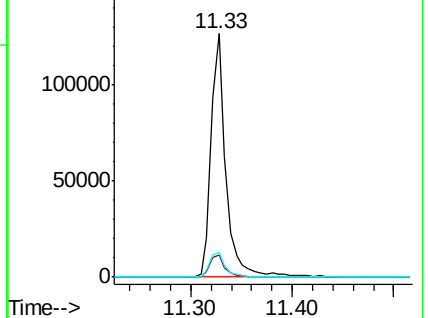
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.2	12.2
80	10.3	9.0	13.6

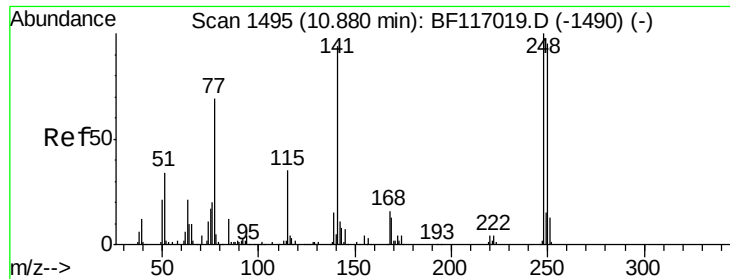


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

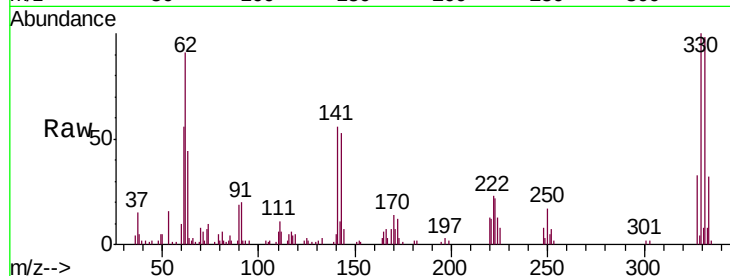




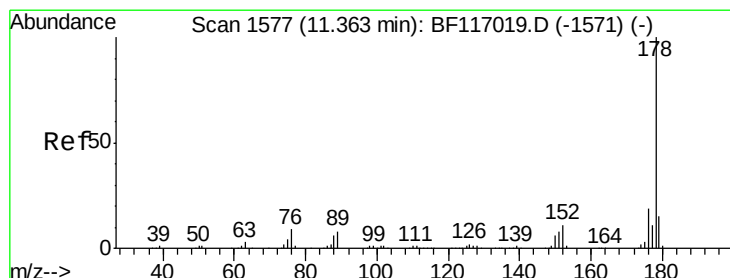
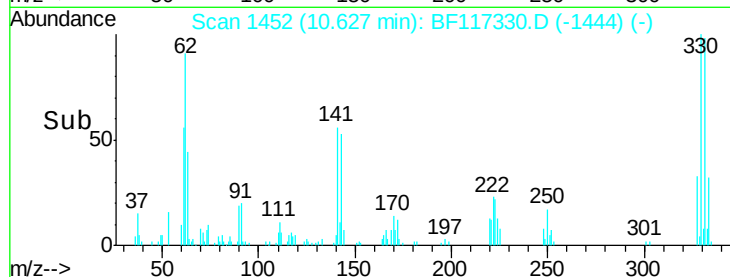
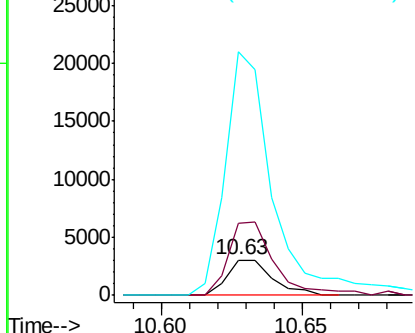
#67
 4-Bromophenyl-phenylether
 Concen: 2.589 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

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

Tgt Ion:248 Resp: 3405
 Ion Ratio Lower Upper
 248 100
 250 207.4 76.2 114.4#
 141 695.3 75.0 112.4#

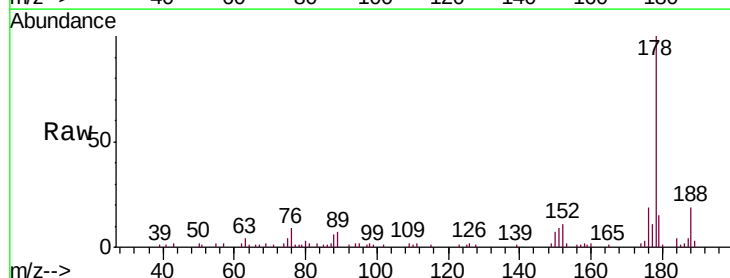


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

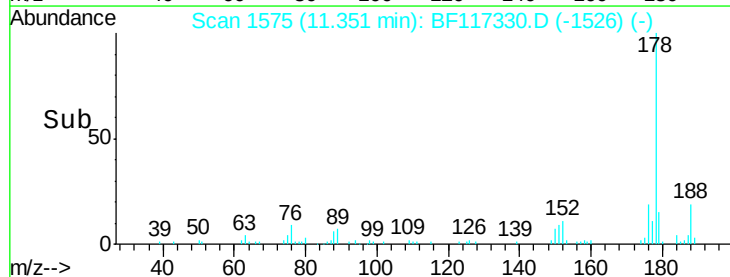
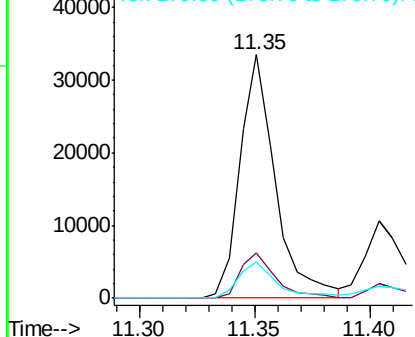


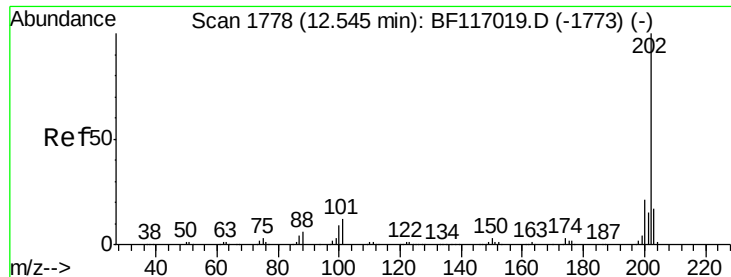
#71
 Phenanthrene
 Concen: 4.889 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

Tgt Ion:178 Resp: 35757
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 14.9 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: 9.295 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF117330.D

Acq: 3 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-BRE

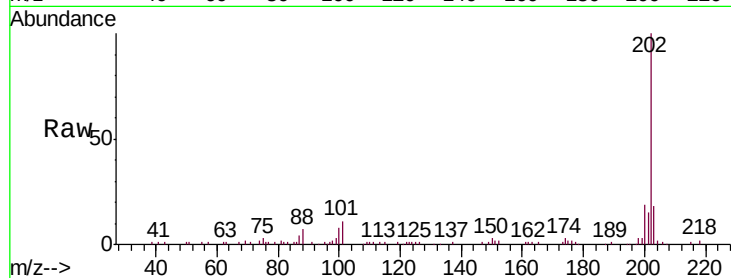
Tgt Ion: 202 Resp: 69860

Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.3

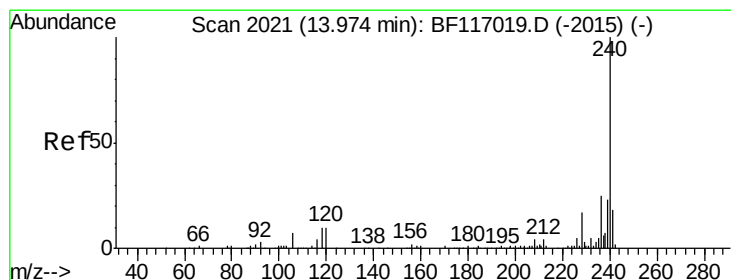
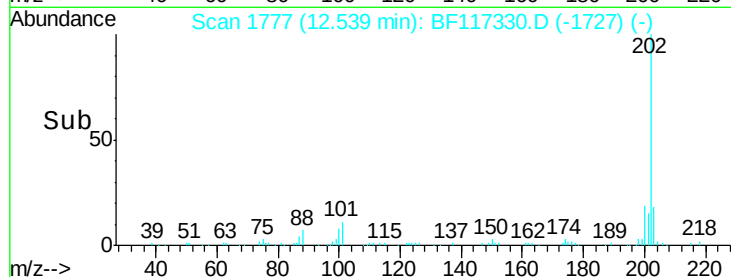
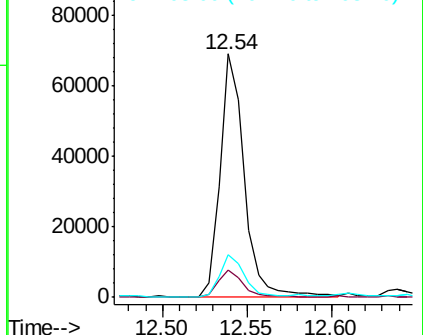
203 17.7 0.0 37.1



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: BF117330.D

Acq: 3 Oct 2019 21:32

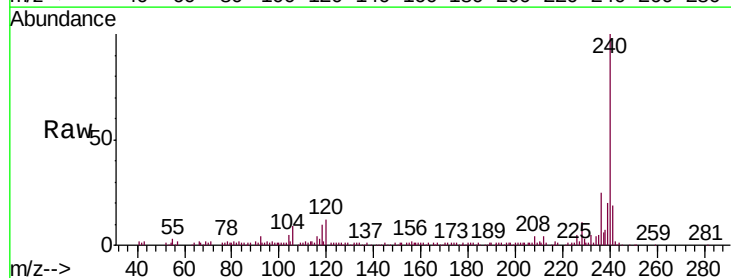
Tgt Ion: 240 Resp: 103695

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

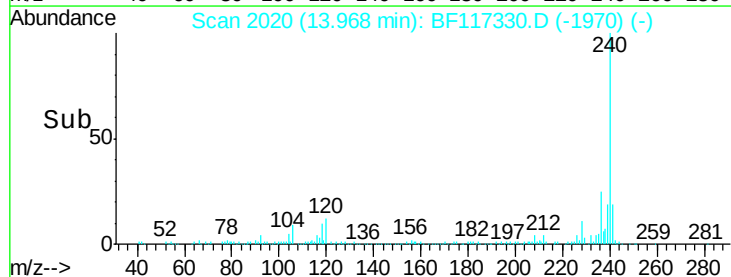
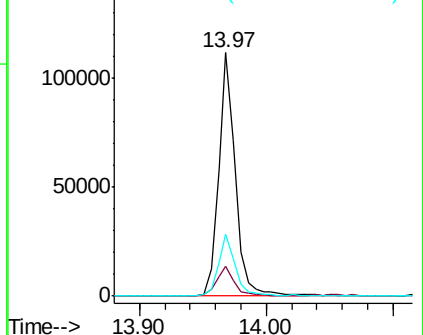
236 25.2 20.3 30.5

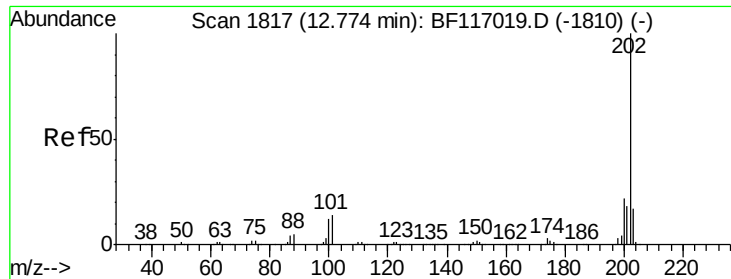


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

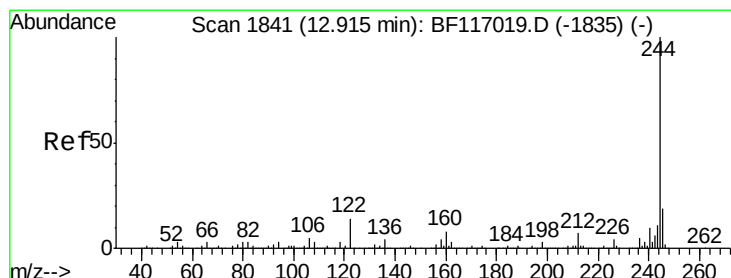
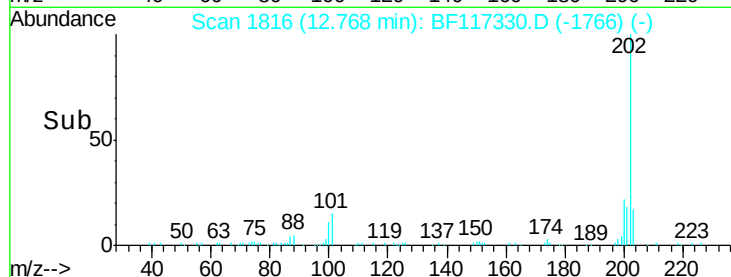
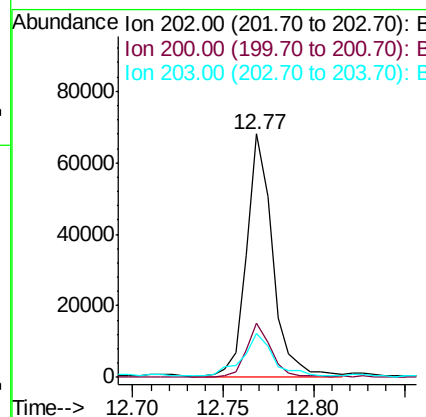
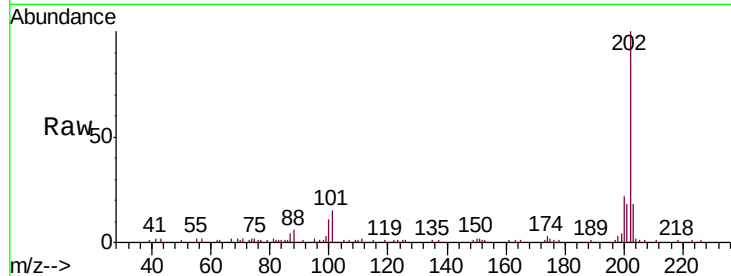




#78
 Pyrene
 Concen: 7.894 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

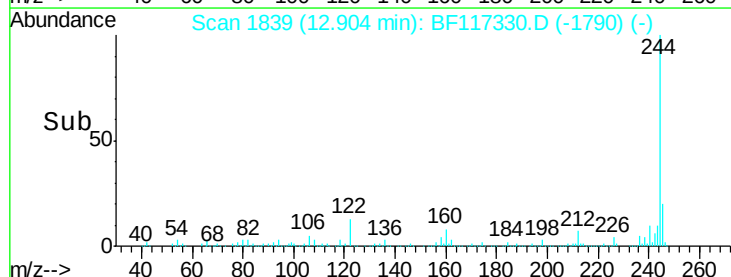
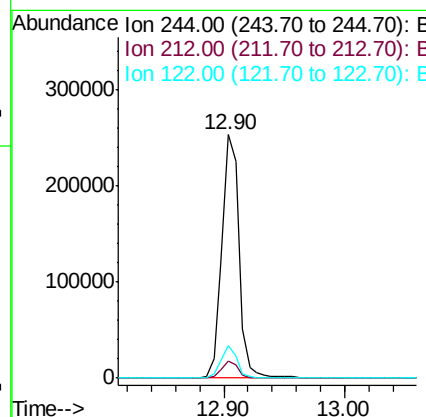
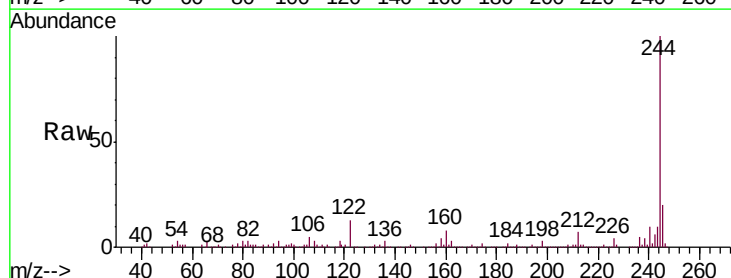
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-047-BRE

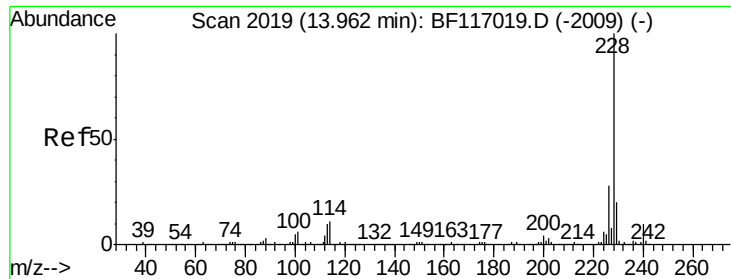
Tgt Ion: 202 Resp: 68686
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.2 25.8
 203 18.1 14.0 21.0



#79
 Terphenyl-d14
 Concen: 44.543 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

Tgt Ion: 244 Resp: 247103
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 13.3 11.3 16.9

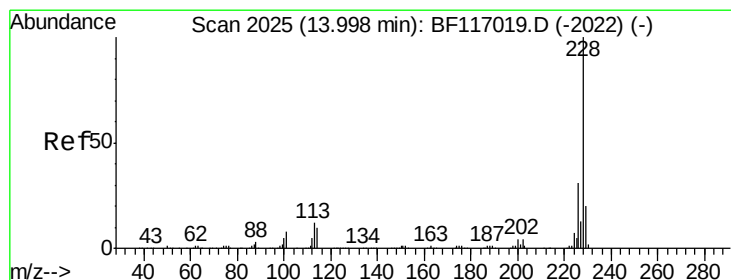
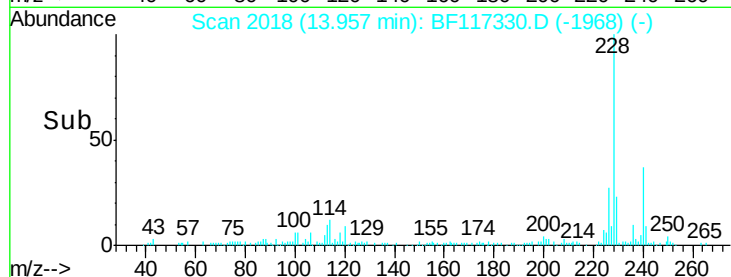
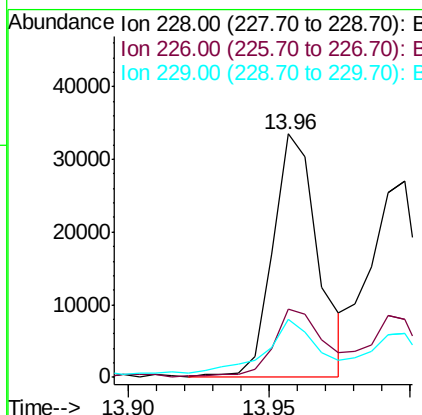
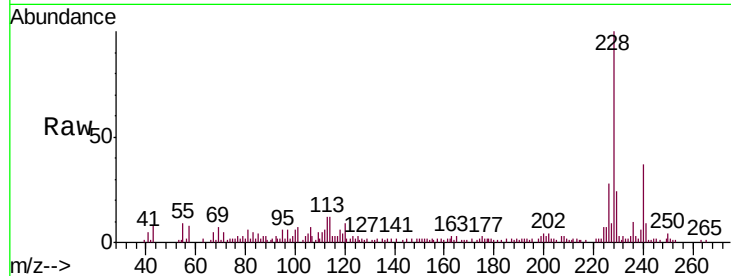




#81
Benzo(a)anthracene
Concen: 5.428 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117330.D
Acq: 3 Oct 2019 21:32

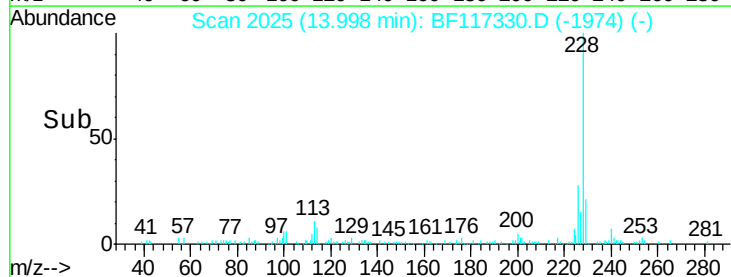
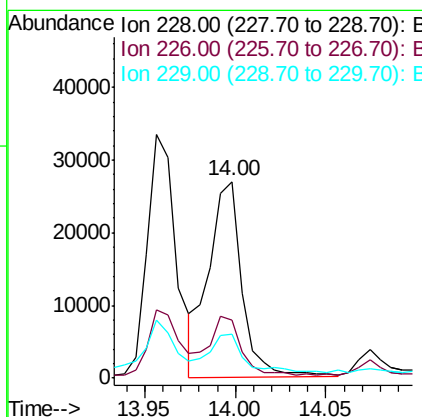
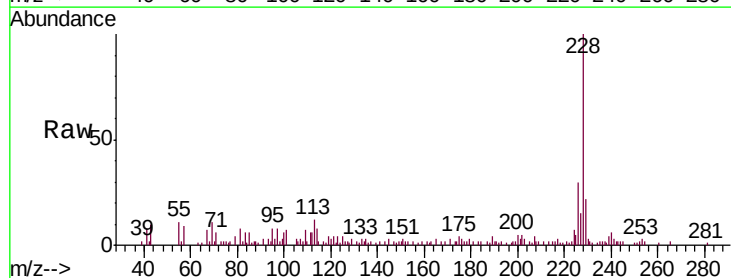
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-047-BRE

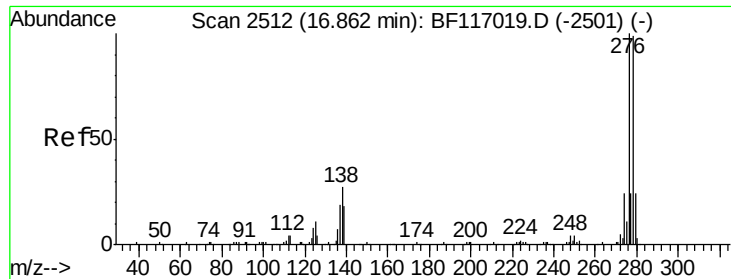
Tgt Ion:228 Resp: 37603
Ion Ratio Lower Upper
228 100
226 28.1 22.3 33.5
229 23.6 15.9 23.9



#83
Chrysene
Concen: 5.123 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF117330.D
Acq: 3 Oct 2019 21:32

Tgt Ion:228 Resp: 34616
Ion Ratio Lower Upper
228 100
226 29.5 24.8 37.2
229 22.4 15.8 23.8

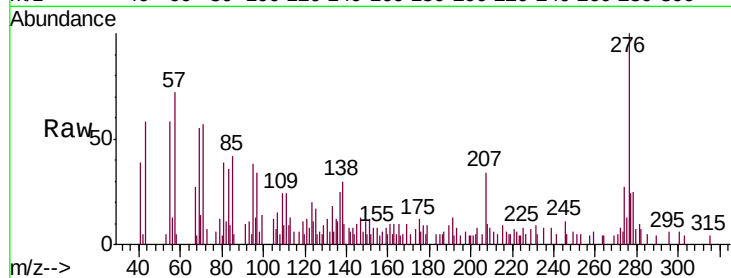




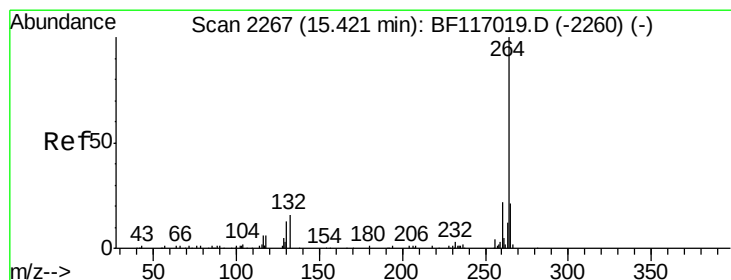
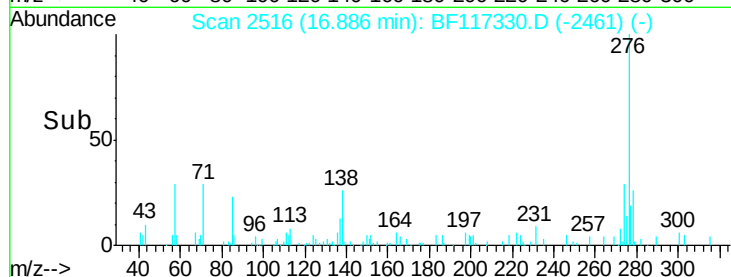
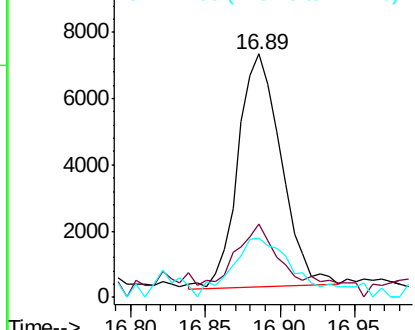
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.848 ng
 RT: 16.89 min Scan# 2516
 Delta R.T. 0.02 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

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

Tgt Ion:276 Resp: 14042
 Ion Ratio Lower Upper
 276 100
 138 39.3 20.7 31.1#
 277 39.7 19.8 29.8#

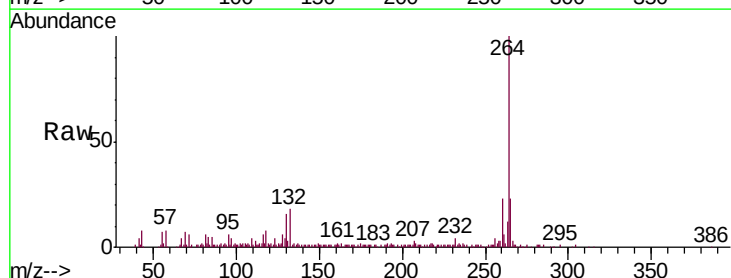


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

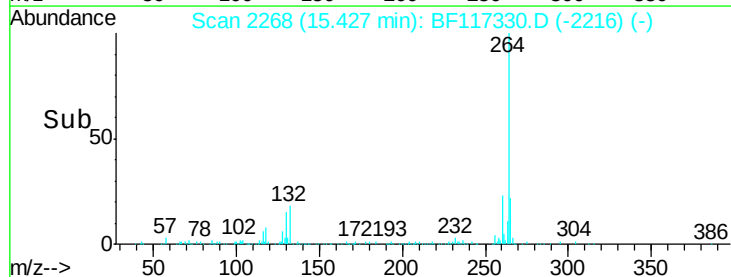
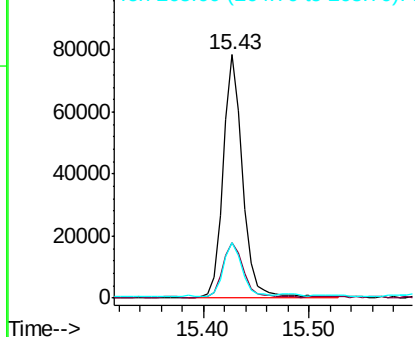


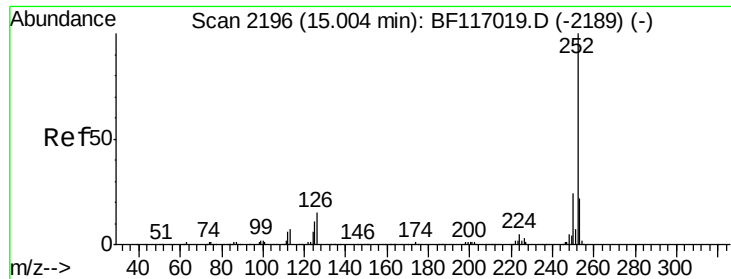
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117330.D
 Acq: 3 Oct 2019 21:32

Tgt Ion:264 Resp: 101467
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.6 26.4
 265 22.7 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: 9.092 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF117330.D

Acq: 3 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-BRE

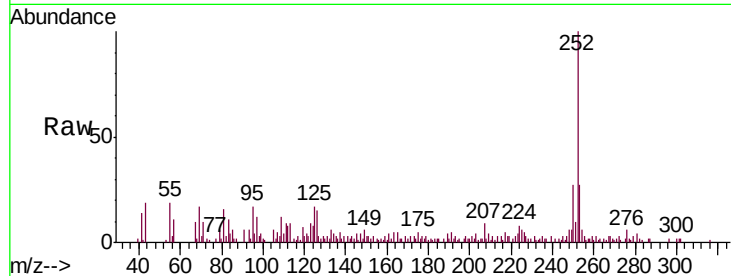
Tgt Ion:252 Resp: 55883

Ion Ratio Lower Upper

252 100

253 27.2 17.6 26.4#

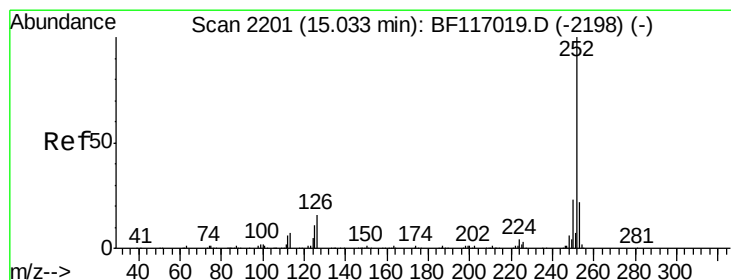
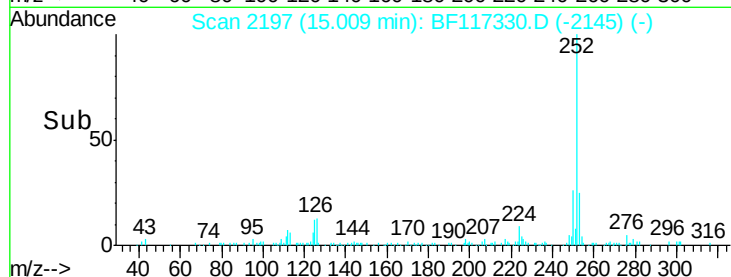
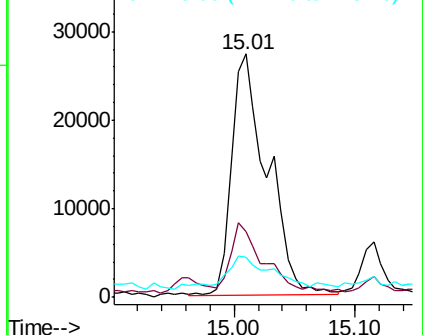
125 16.6 8.6 12.8#



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: 9.598 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF117330.D

Acq: 3 Oct 2019 21:32

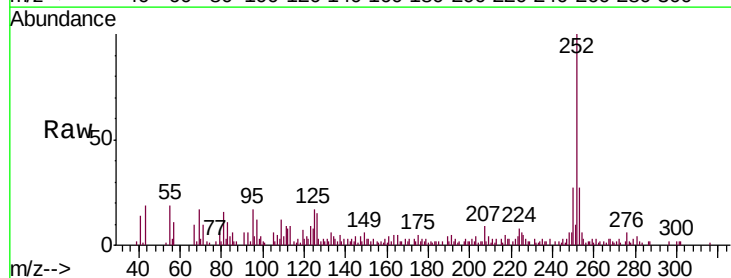
Tgt Ion:252 Resp: 55883

Ion Ratio Lower Upper

252 100

253 27.2 17.4 26.2#

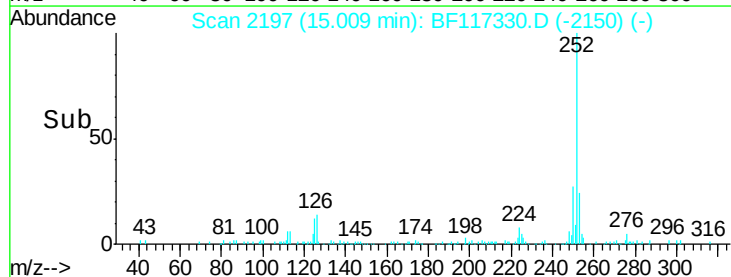
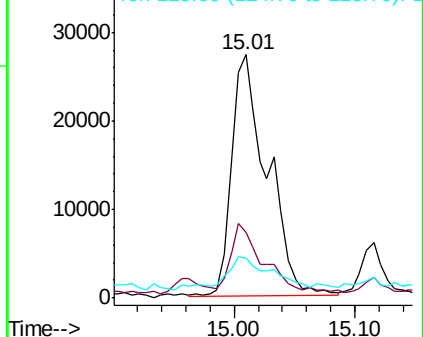
125 16.6 8.8 13.2#

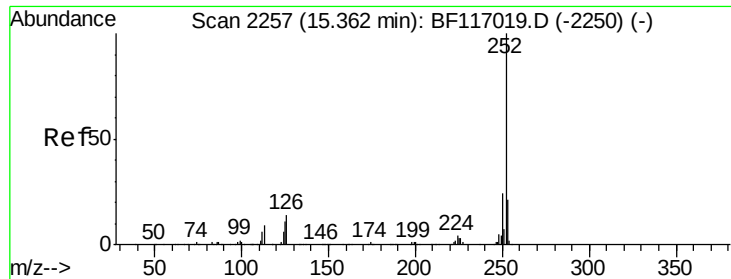


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 5.386 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF117330.D

Acq: 3 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-047-BRE

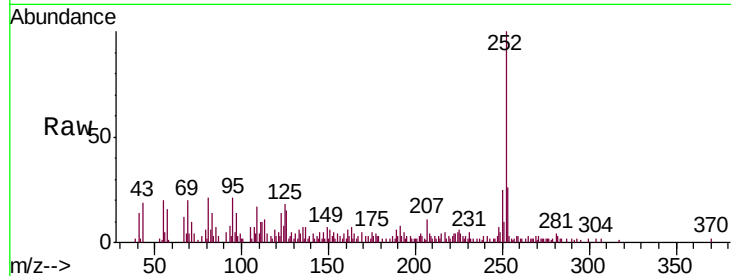
Tgt Ion:252 Resp: 29049

Ion Ratio Lower Upper

252 100

253 26.4 16.6 25.0#

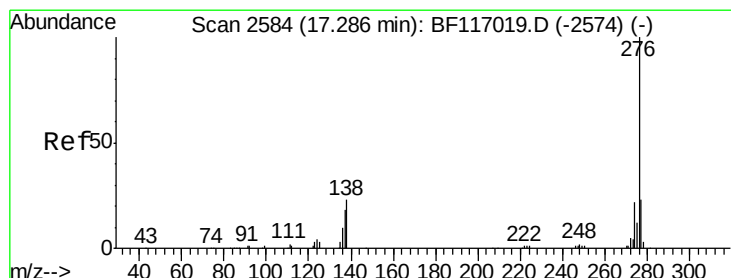
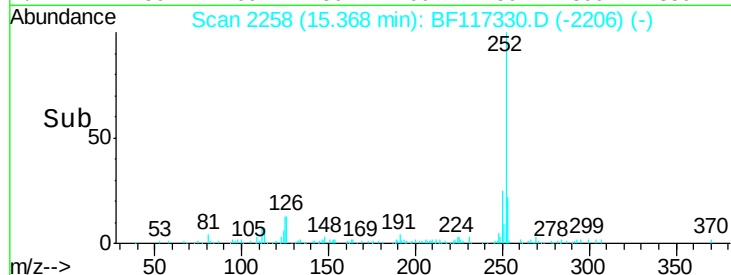
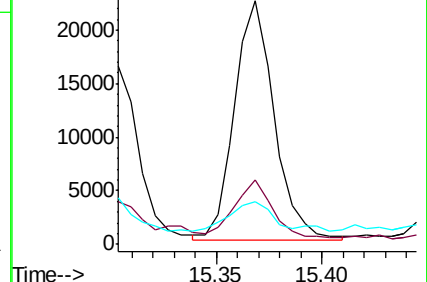
125 17.5 8.9 13.3#



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: 3.663 ng

RT: 17.33 min Scan# 2591

Delta R.T. 0.04 min

Lab File: BF117330.D

Acq: 3 Oct 2019 21:32

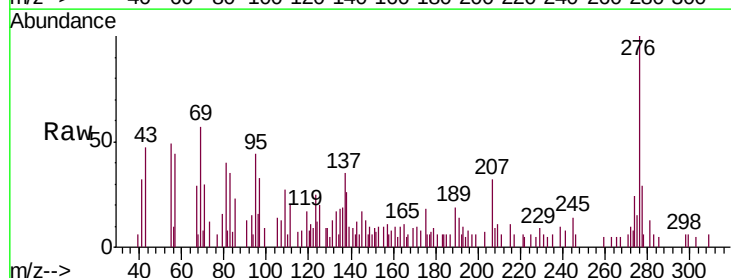
Tgt Ion:276 Resp: 15681

Ion Ratio Lower Upper

276 100

277 29.2 18.6 27.8#

138 26.1 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

