

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
 Data File : BF114244.D
 Acq On : 13 May 2019 21:55
 Operator : JU/SJ
 Sample : K2807-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-B

Quant Time: May 14 04:50:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	223407	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	831548	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	375720	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	622237	20.00	ng	0.00
76) Chrysene-d12	14.02	240	476655	20.00	ng	0.00
87) Perylene-d12	15.51	264	414956	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1301442	93.75	ng	0.02
7) Phenol-d6	6.51	99	1723016	104.94	ng	0.02
23) Nitrobenzene-d5	7.42	82	1031195	69.59	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	343842	88.52	ng	0.01
45) 2-Fluorobiphenyl	9.21	172	1627520	65.52	ng	0.00
79) Terphenyl-d14	12.96	244	1326253	57.36	ng	0.00

Target Compounds

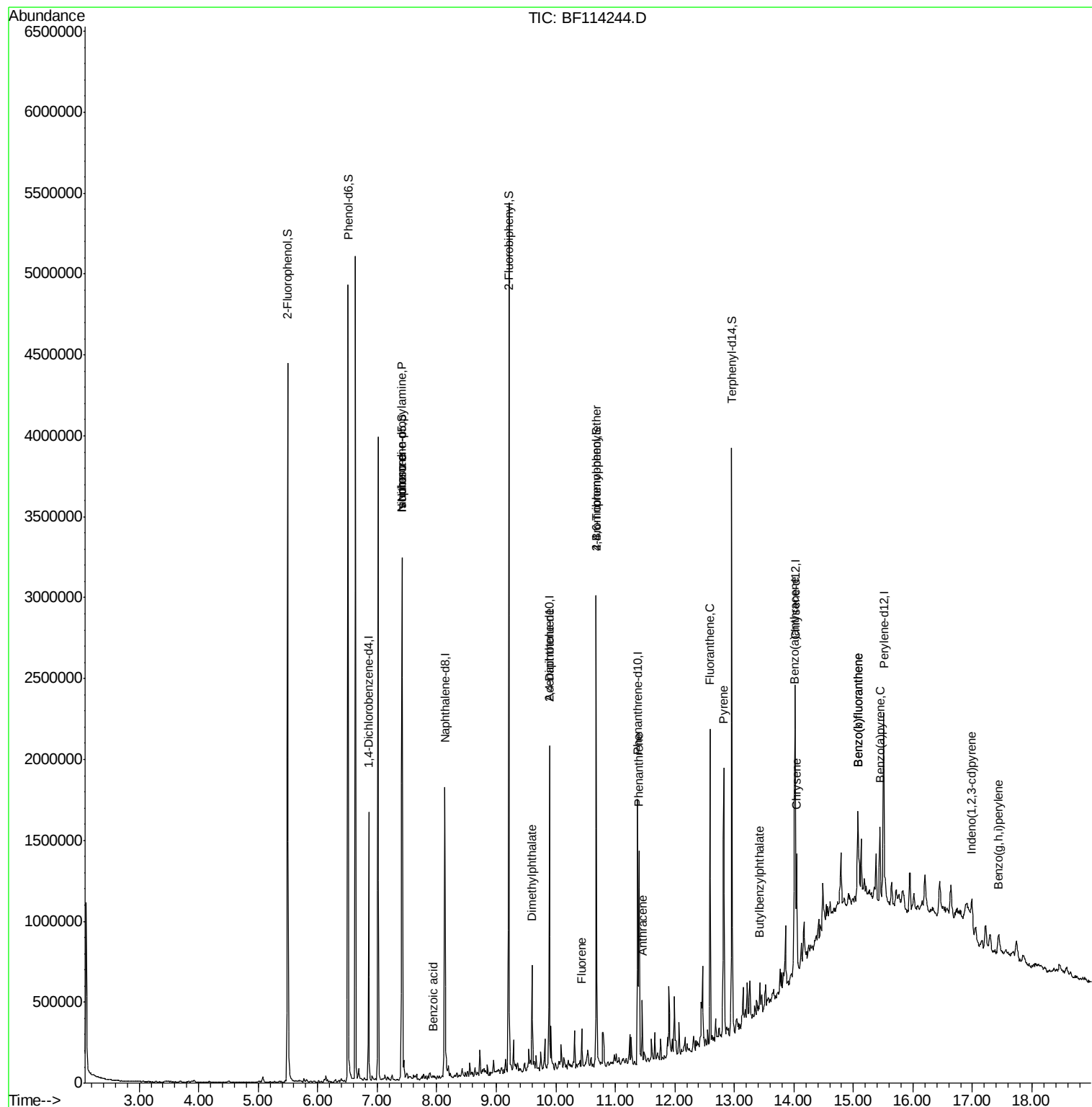
						Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	141523	13.598	ng	# 77
25) Isophorone	7.42	82	1026023	37.337	ng	# 64
32) Benzoic acid	7.94	122	340	7.056	ng	# 22
50) Dimethylphthalate	9.60	163	237680	8.617	ng	98
57) 2,4-Dinitrotoluene	9.89	165	51676	6.224	ng	# 25
58) Fluorene	10.44	166	67661	2.620	ng	99
67) 4-Bromophenyl-phenylether	10.68	248	22633	3.304	ng	# 1
71) Phenanthrene	11.40	178	467651	15.448	ng	98
72) Anthracene	11.45	178	138210	4.545	ng	97
75) Fluoranthene	12.59	202	724234	22.216	ng	98
78) Pyrene	12.82	202	663020	17.291	ng	98
80) Butylbenzylphthalate	13.43	149	40140	2.487	ng	91
81) Benzo(a)anthracene	14.01	228	319844	10.375	ng	98
83) Chrysene	14.04	228	271878	8.996	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	89434	3.348	ng	96
88) Benzo(b)fluoranthene	15.07	252	419759	15.790	ng	# 94
89) Benzo(k)fluoranthene	15.07	252	419759	17.189	ng	# 95
90) Benzo(a)pyrene	15.44	252	212916	9.100	ng	# 95
92) Benzo(g,h,i)perylene	17.44	276	94471	4.849	ng	97

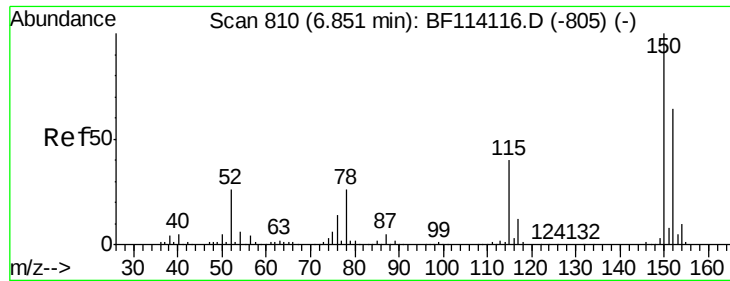
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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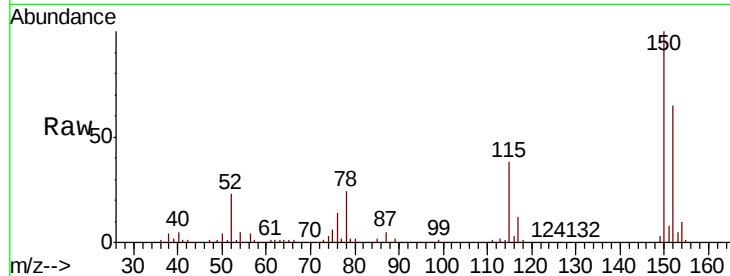




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.3	186.5
115	58.0	49.1	73.7

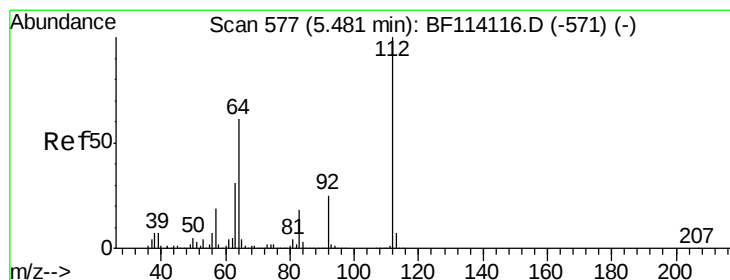
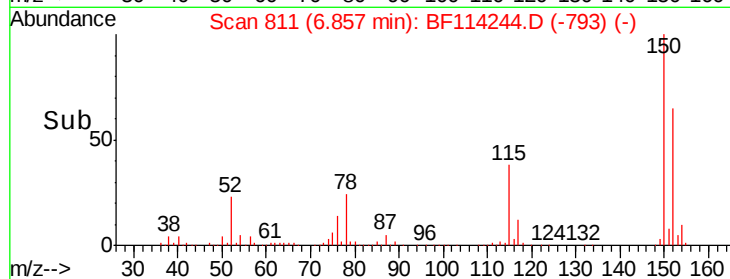
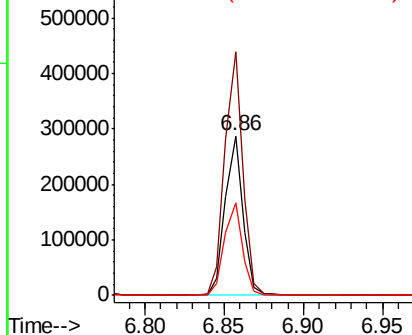


Abundance

Ion 152.00 (151.70 to 152.70): E

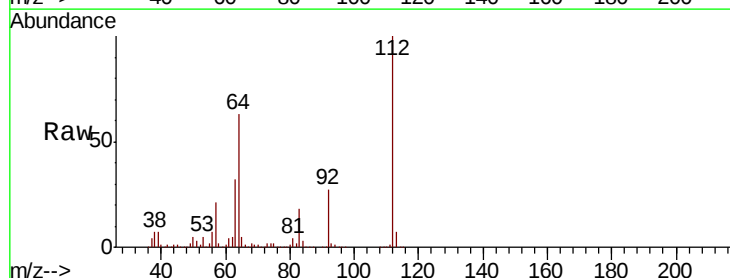
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 93.746 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.02 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	49.0	73.6
63	32.2	24.6	37.0

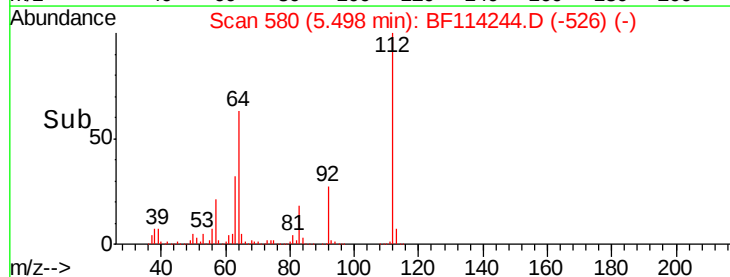
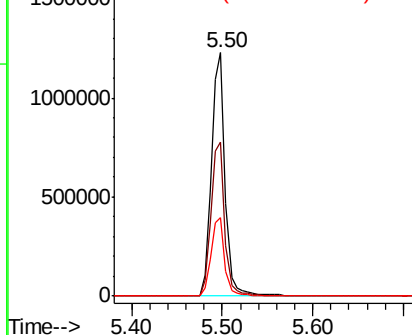


Abundance

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: 104.938 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-039-B

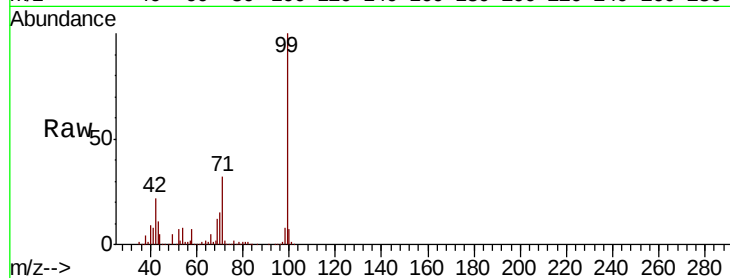
Tgt Ion: 99 Resp: 1723016

Ion Ratio Lower Upper

99 100

42 21.7 17.9 26.9

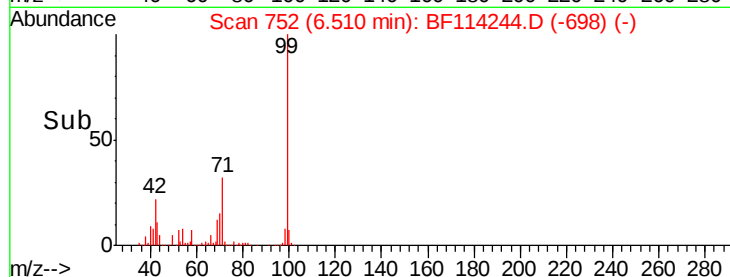
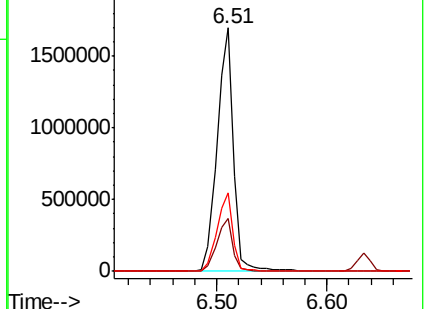
71 32.3 26.2 39.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.598 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Tgt Ion: 70 Resp: 141523

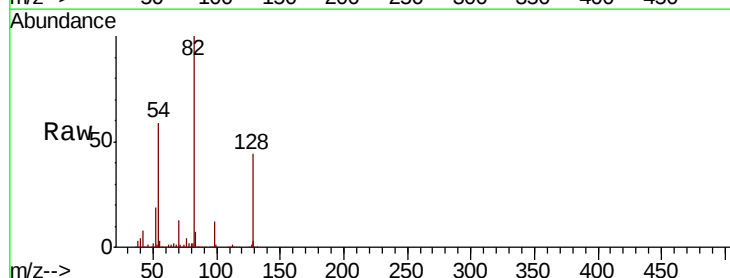
Ion Ratio Lower Upper

70 100

42 58.7 58.6 87.8

101 0.0 7.8 11.8#

130 2.4 17.1 25.7#

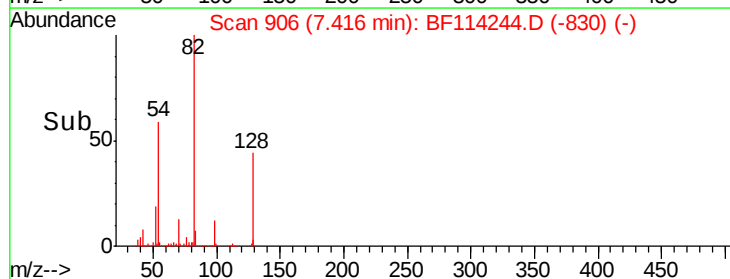
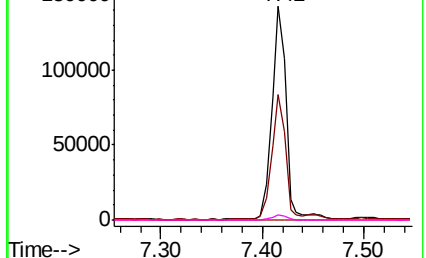


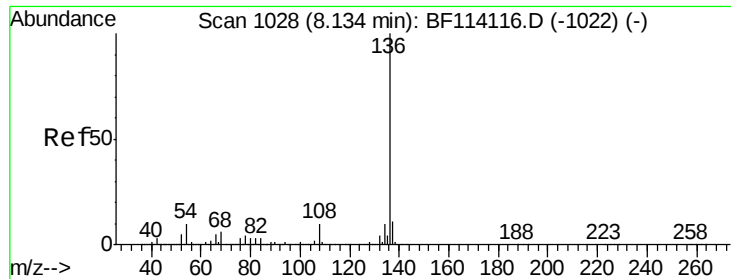
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

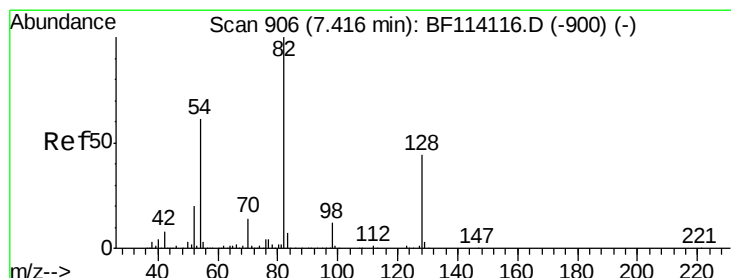
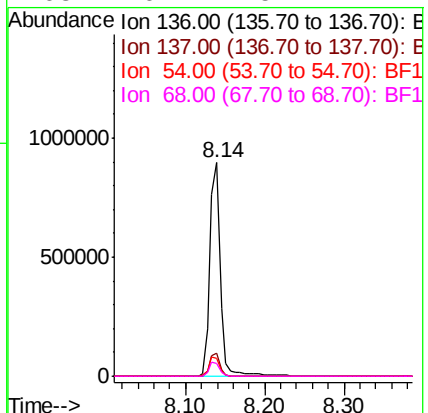
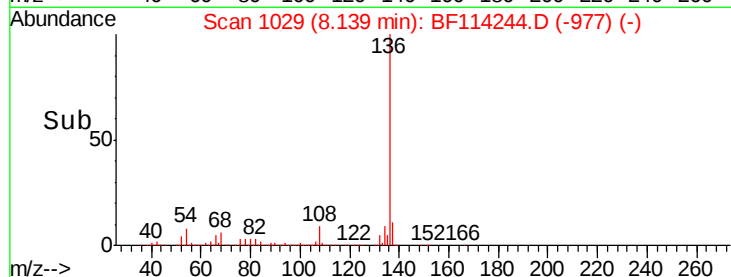
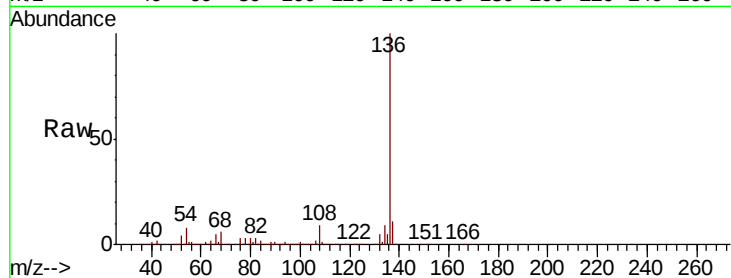




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

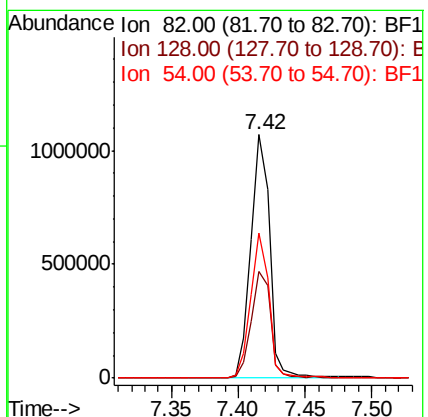
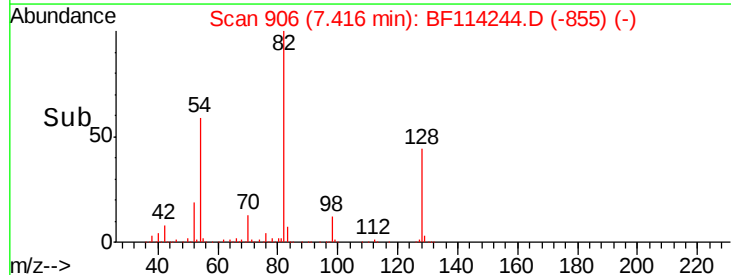
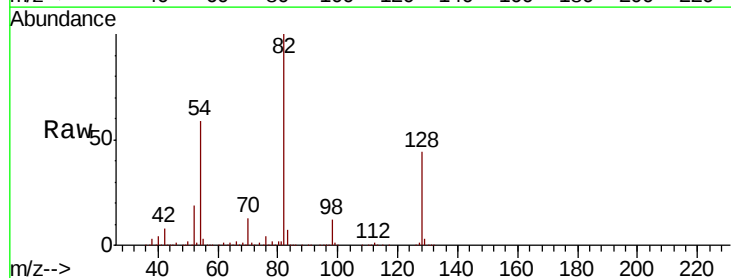
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

Tgt Ion:	136	Resp:	831548
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.5	7.8	11.8
68	6.1	5.1	7.7



#23
Nitrobenzene-d5
Concen: 69.594 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion:	82	Resp:	1031195
Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.5	53.3
54	59.4	48.5	72.7





#25

Isophorone

Concen: 37.337 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-039-B

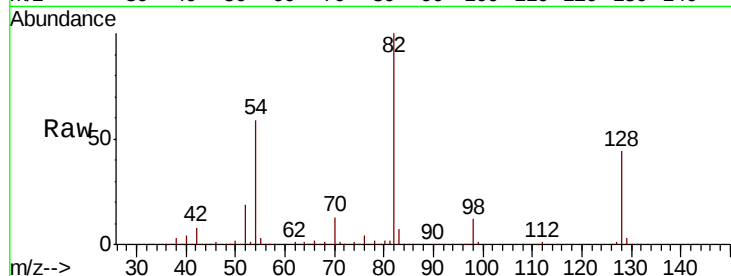
Tgt Ion: 82 Resp: 1026023

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

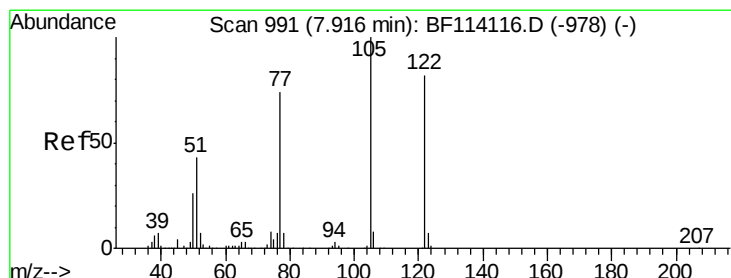
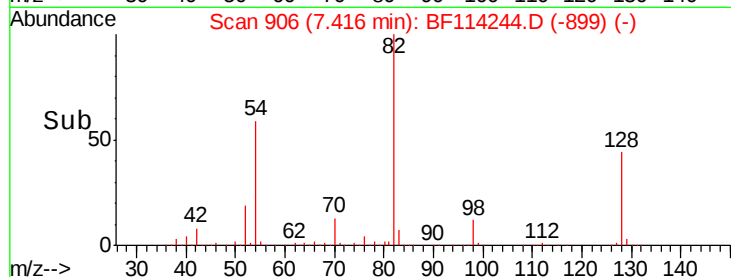
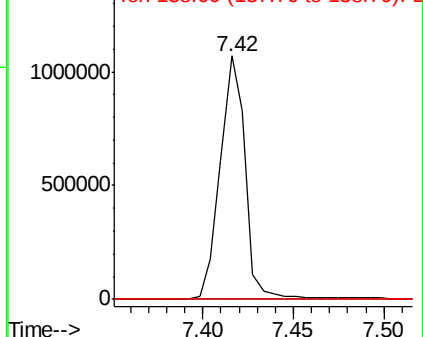
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.056 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.02 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

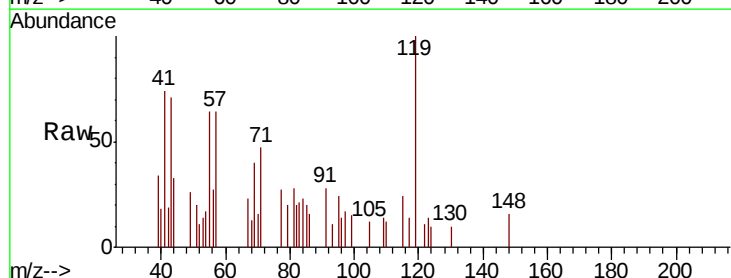
Tgt Ion: 122 Resp: 340

Ion Ratio Lower Upper

122 100

105 103.6 99.9 139.9

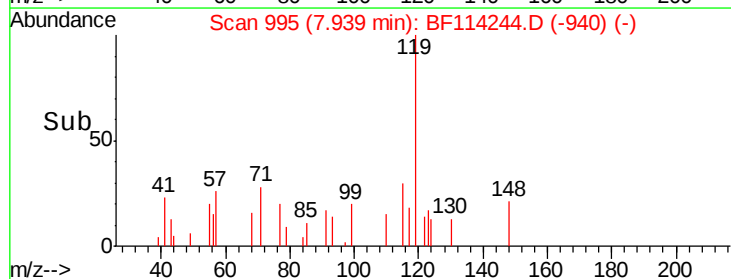
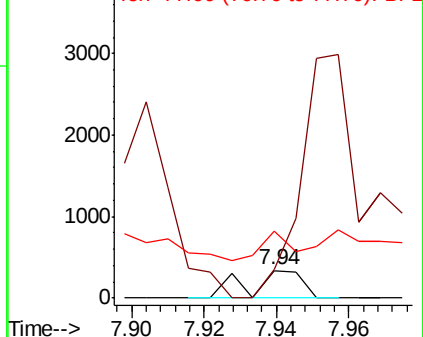
77 242.4 69.4 109.4#

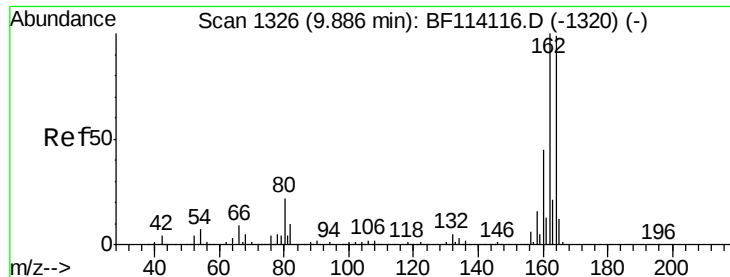


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

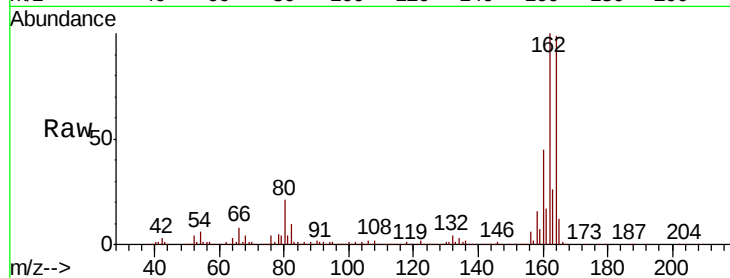




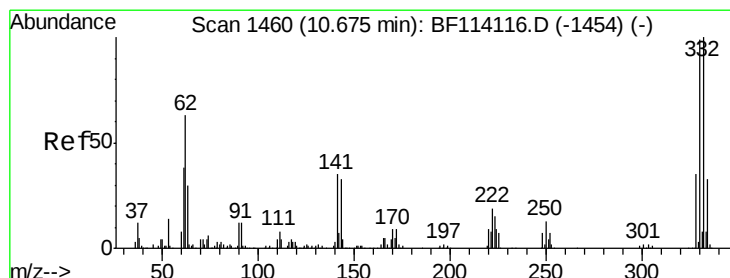
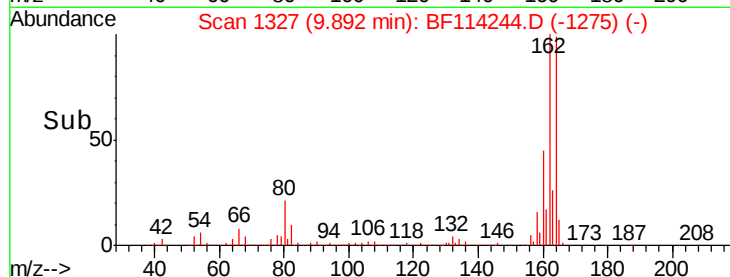
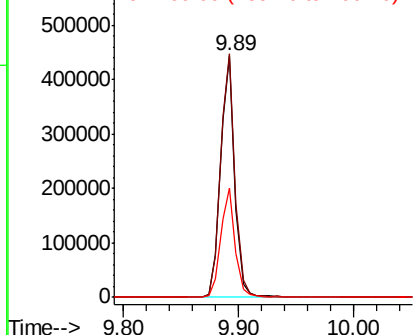
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-B

Tgt Ion:164 Resp: 375720
 Ion Ratio Lower Upper
 164 100
 162 100.9 80.6 120.8
 160 45.1 36.5 54.7

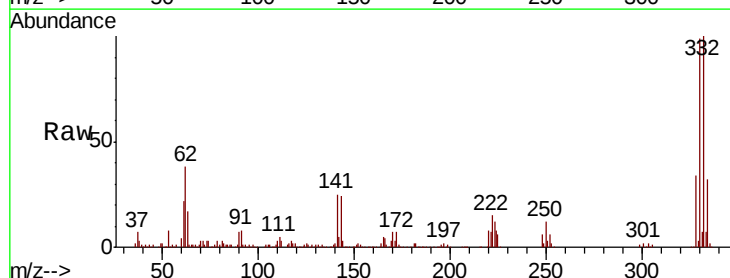


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

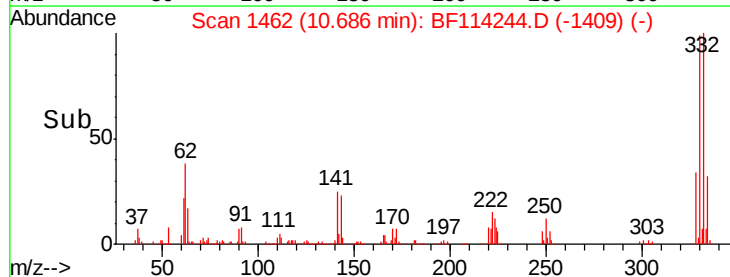
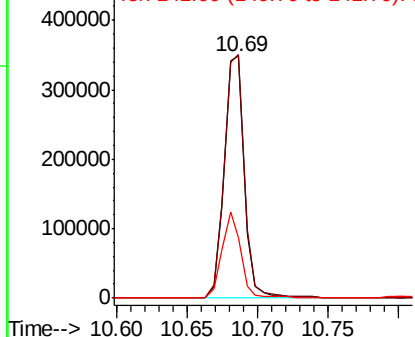


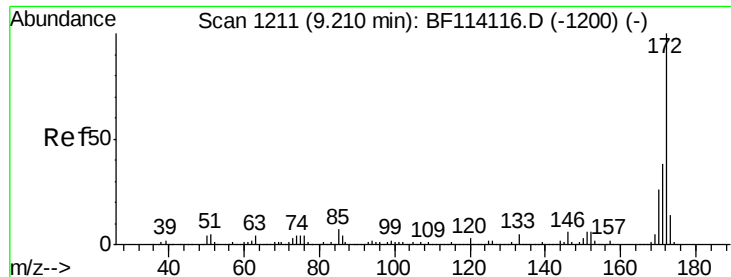
#42
 2,4,6-Tribromophenol
 Concen: 88.521 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

Tgt Ion:330 Resp: 343842
 Ion Ratio Lower Upper
 330 100
 332 102.5 81.4 122.2
 141 32.9 26.6 40.0



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

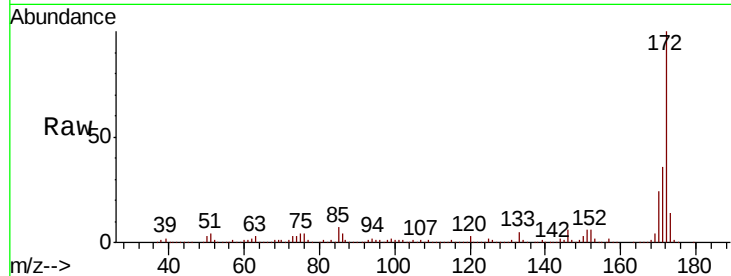




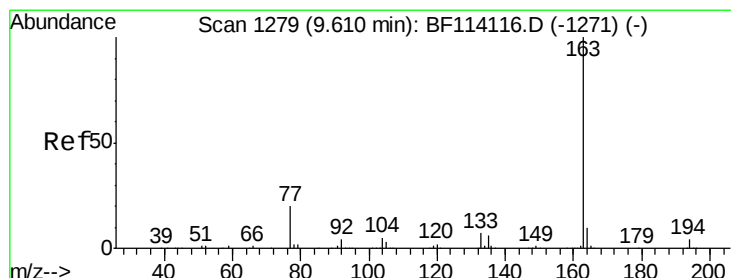
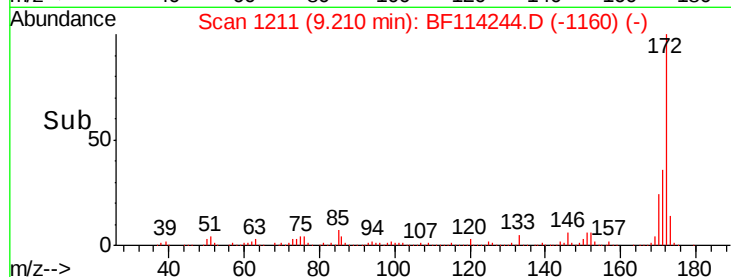
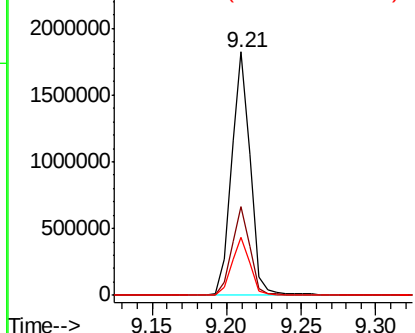
#45
 2-Fluorobiphenyl
 Concen: 65.525 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-B

Tgt Ion:172 Resp: 1627520
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.7 46.1
 170 24.0 20.5 30.7

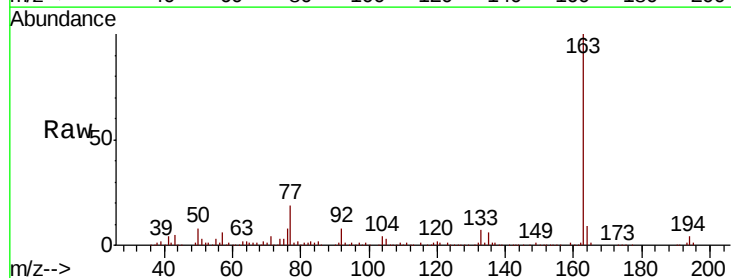


Abundance Ion 172.00 (171.70 to 172.70): E
 2500000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

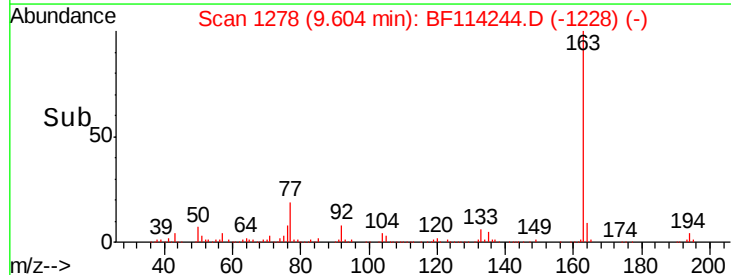
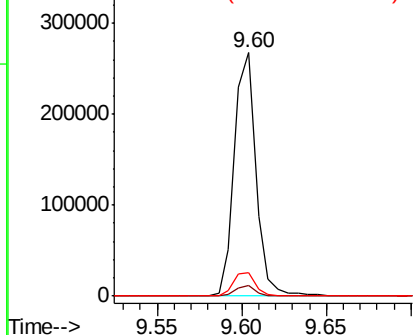


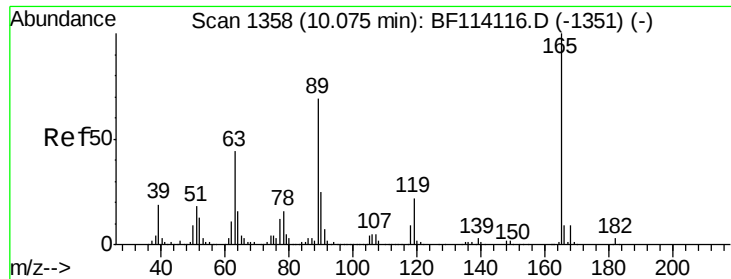
#50
 Dimethylphthalate
 Concen: 8.617 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. -0.01 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

Tgt Ion:163 Resp: 237680
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.4 5.0
 164 9.4 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

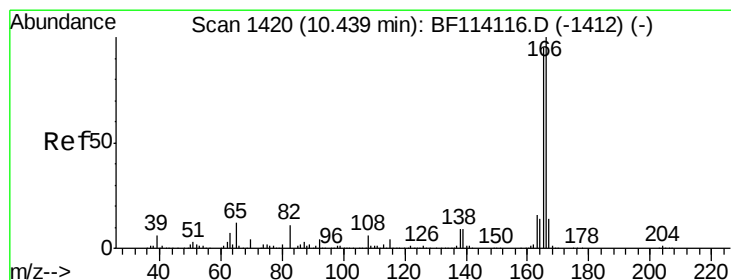
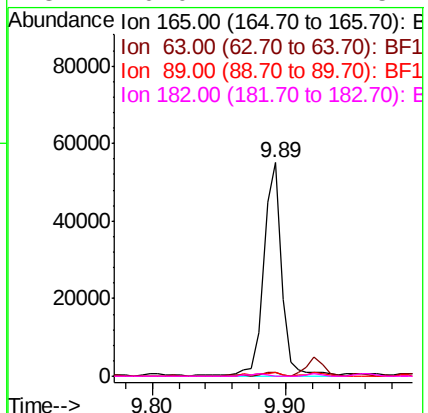
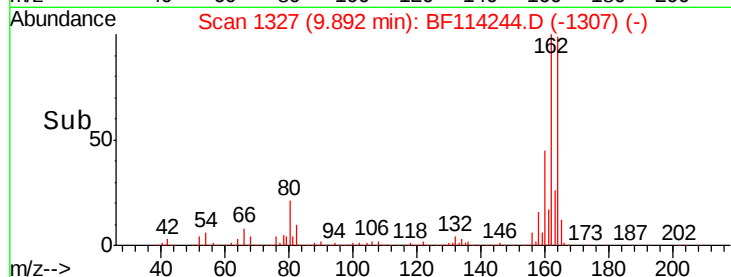
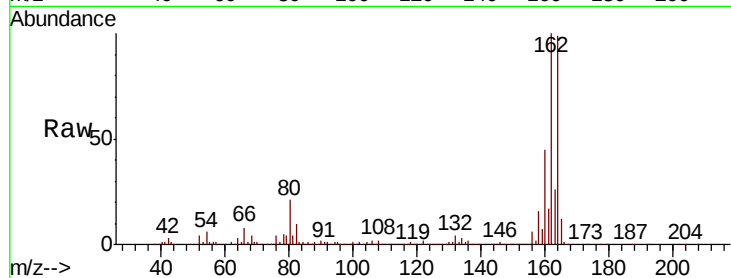




#57
 2,4-Dinitrotoluene
 Concen: 6.224 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.18 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

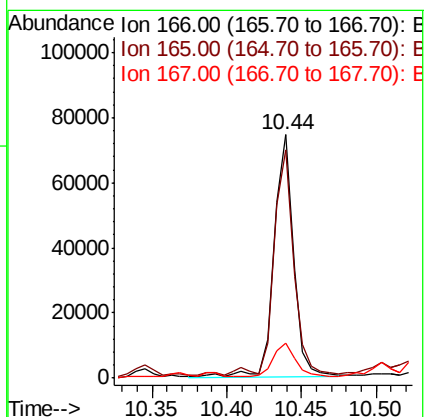
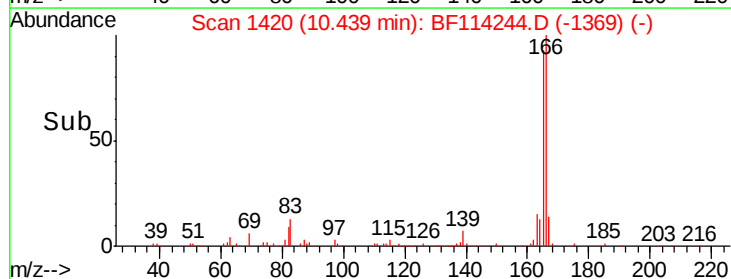
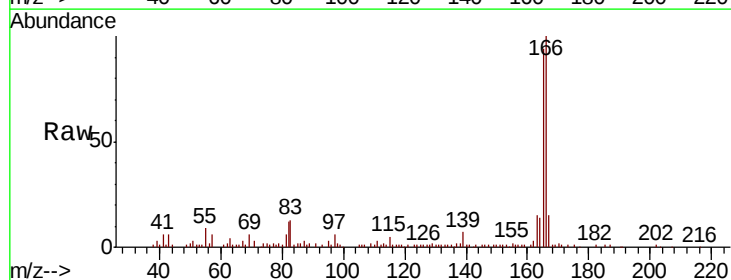
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-B

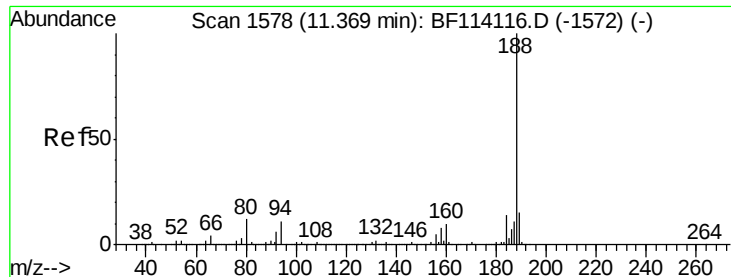
Tgt Ion:165 Resp: 51676
 Ion Ratio Lower Upper
 165 100
 63 1.6 35.5 53.3#
 89 1.5 55.2 82.8#
 182 0.0 2.2 3.2#



#58
 Fluorene
 Concen: 2.620 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.00 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

Tgt Ion:166 Resp: 67661
 Ion Ratio Lower Upper
 166 100
 165 93.9 76.1 114.1
 167 14.6 11.1 16.7

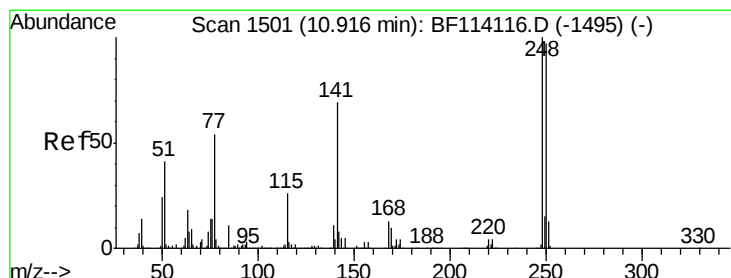
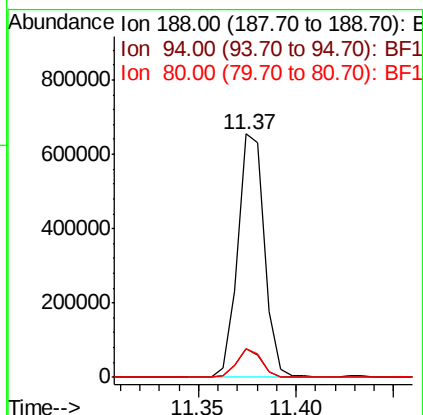
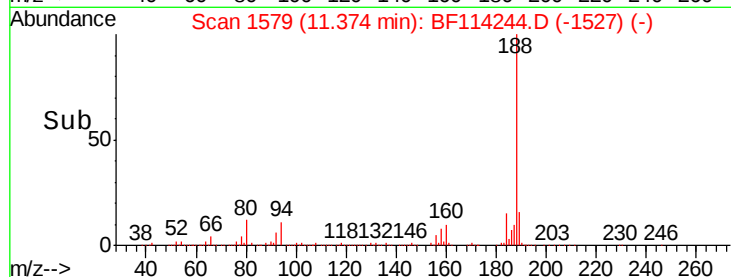
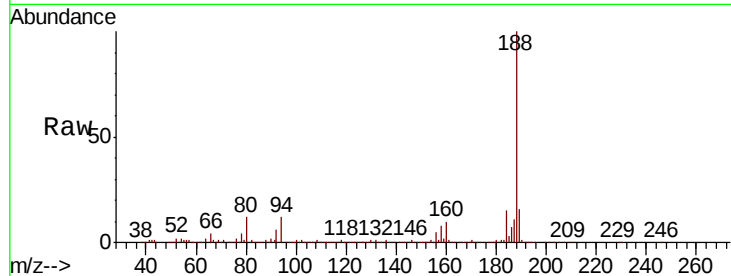




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

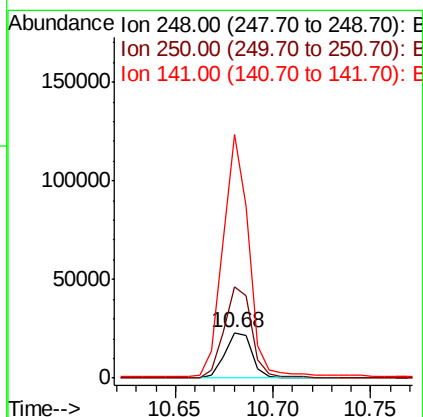
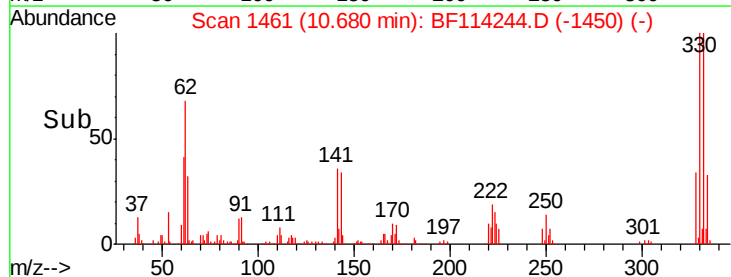
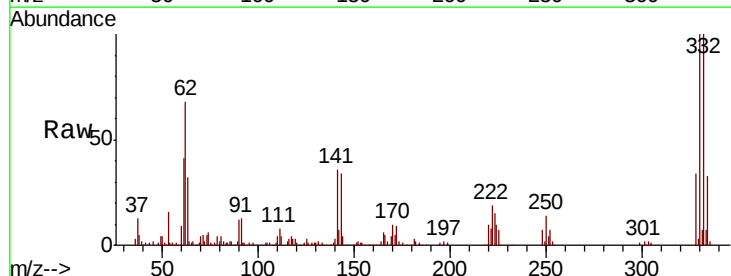
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

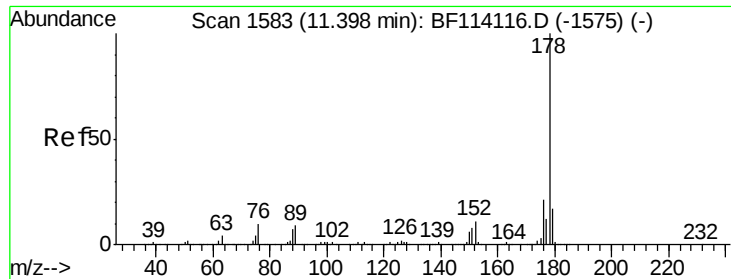
Tgt Ion:188 Resp: 622237
Ion Ratio Lower Upper
188 100
94 11.6 8.4 12.6
80 11.9 9.2 13.8



#67
4-Bromophenyl-phenylether
Concen: 3.304 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion:248 Resp: 22633
Ion Ratio Lower Upper
248 100
250 198.2 77.4 116.2#
141 530.9 55.6 83.4#

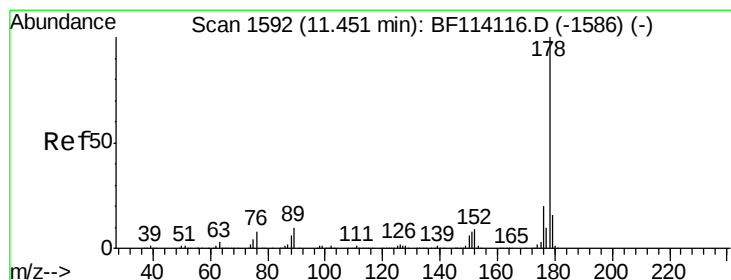
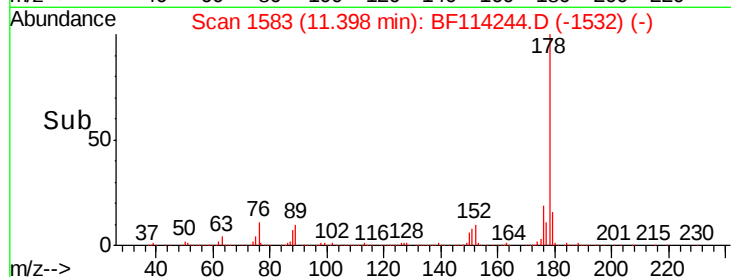
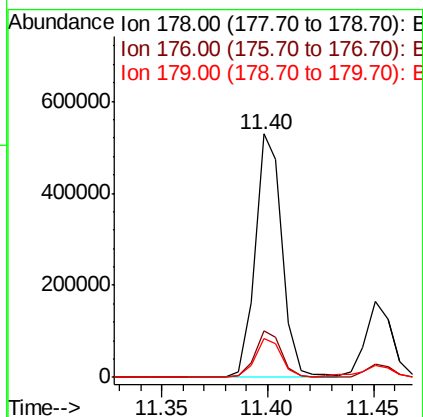
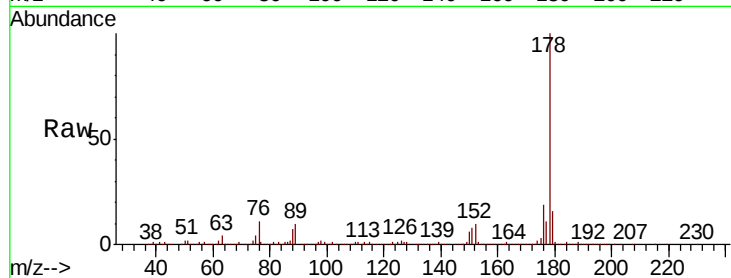




#71
Phenanthrene
Concen: 15.448 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

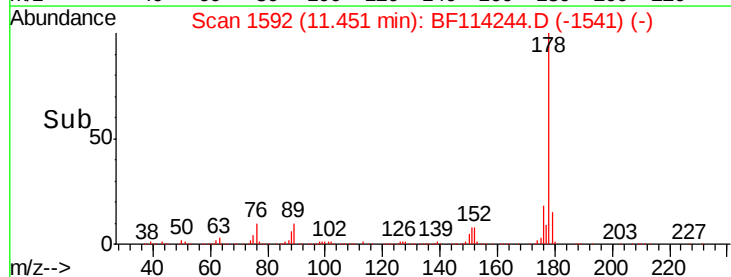
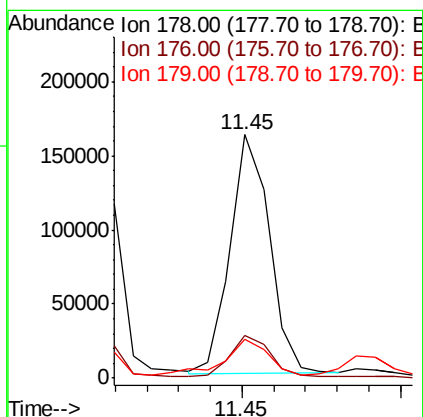
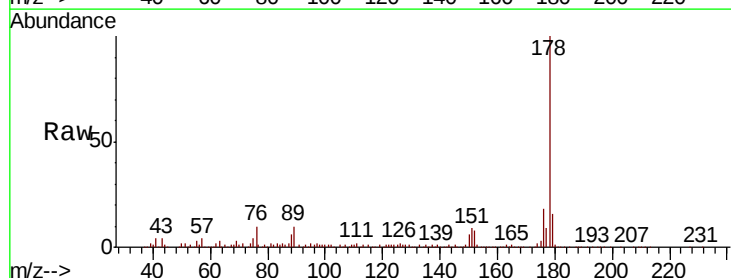
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

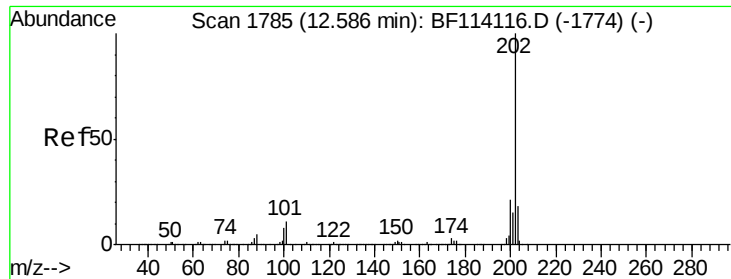
Tgt Ion:178 Resp: 467651
Ion Ratio Lower Upper
178 100
176 19.3 16.4 24.6
179 16.1 13.2 19.8



#72
Anthracene
Concen: 4.545 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion:178 Resp: 138210
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.8
179 15.8 13.0 19.4





#75

Fluoranthene

Concen: 22.216 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-039-B

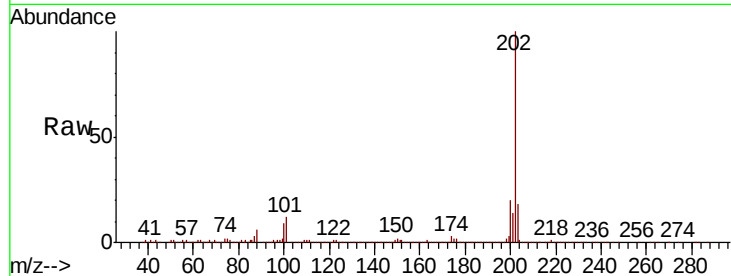
Tgt Ion:202 Resp: 724234

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.0

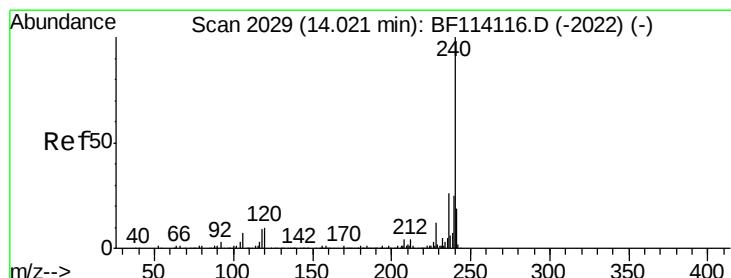
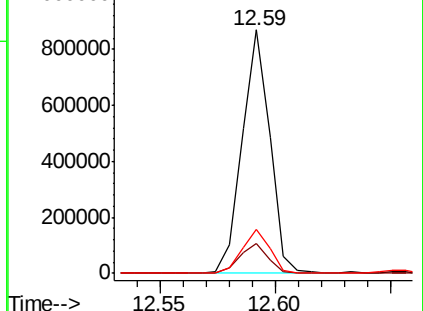
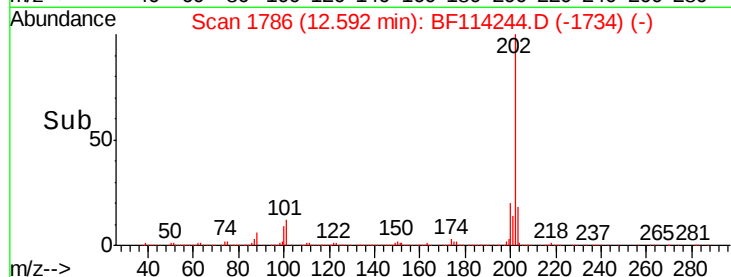
203 18.0 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

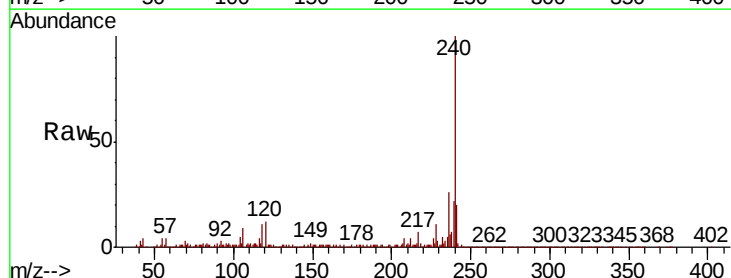
Tgt Ion:240 Resp: 476655

Ion Ratio Lower Upper

240 100

120 12.1 8.3 12.5

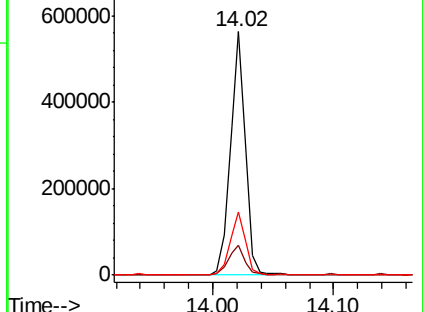
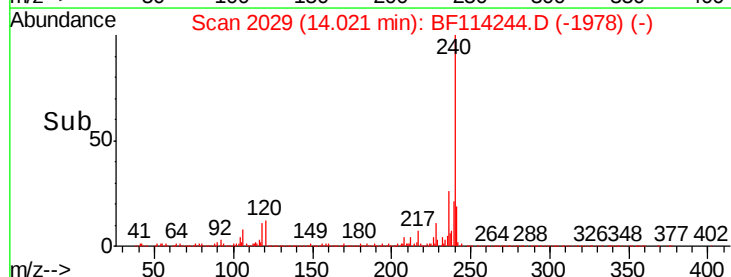
236 26.1 20.8 31.2

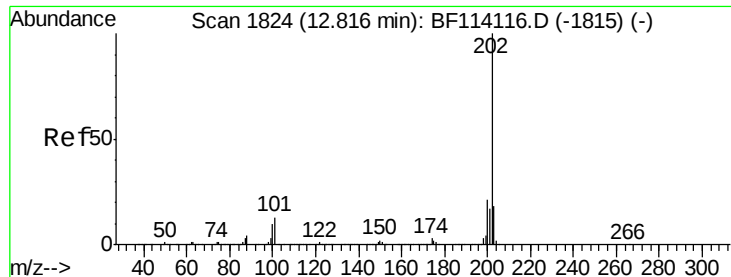


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 17.291 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-039-B

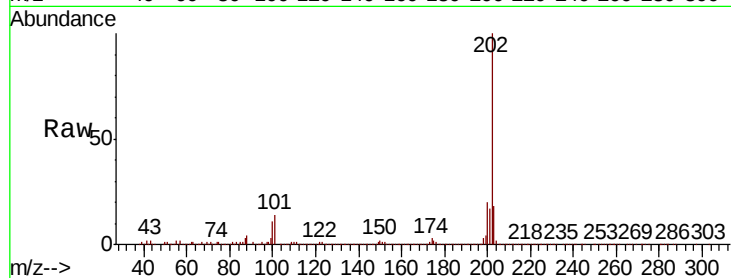
Tgt Ion:202 Resp: 663020

Ion Ratio Lower Upper

202 100

200 19.8 16.9 25.3

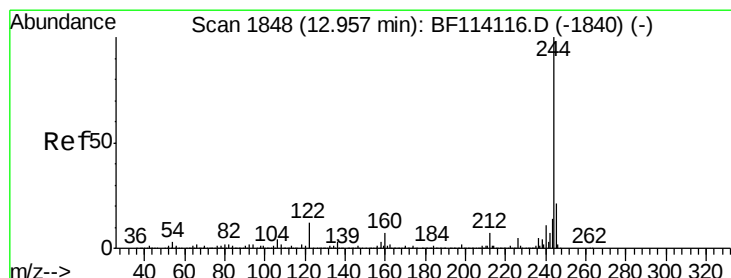
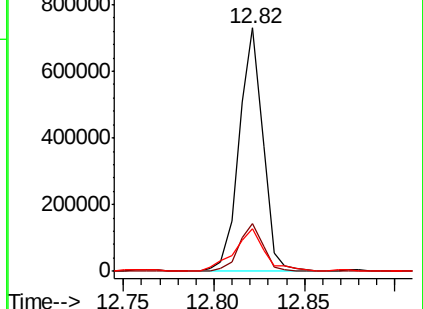
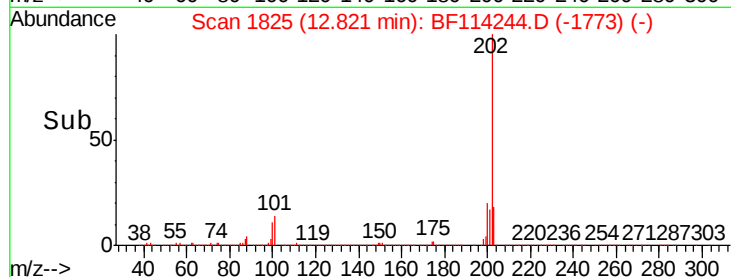
203 17.8 14.5 21.7



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: 57.358 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

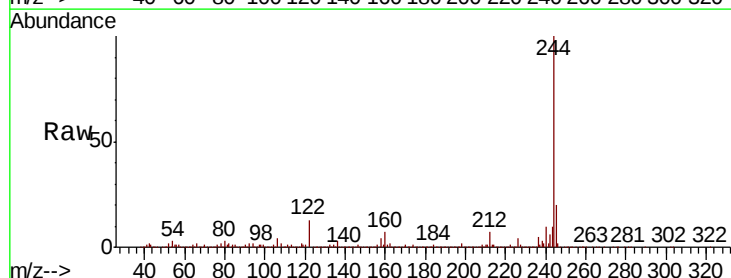
Tgt Ion:244 Resp: 1326253

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

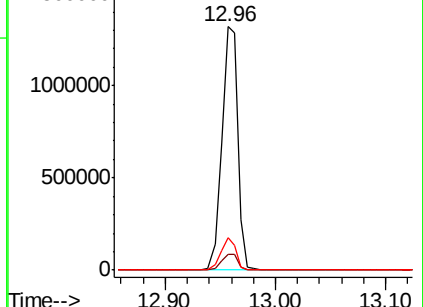
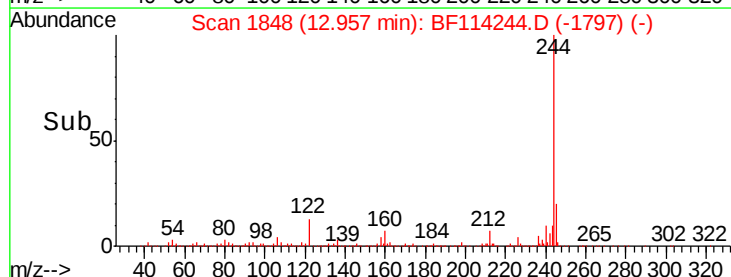
122 13.4 9.4 14.2

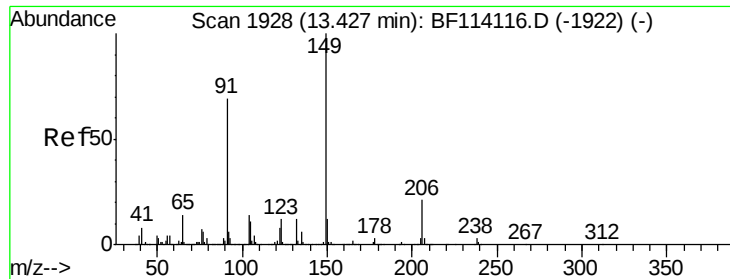


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

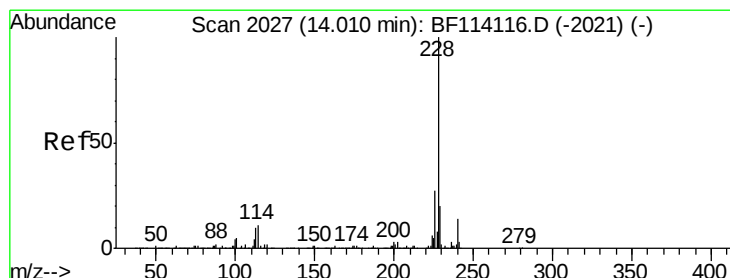
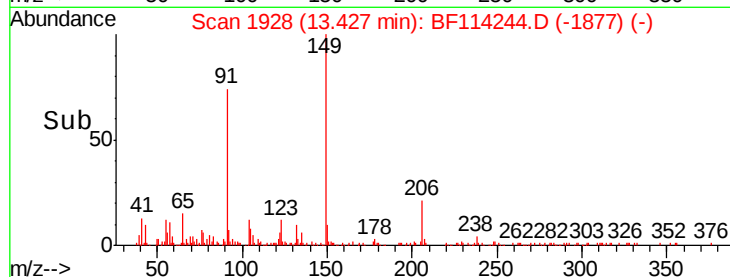
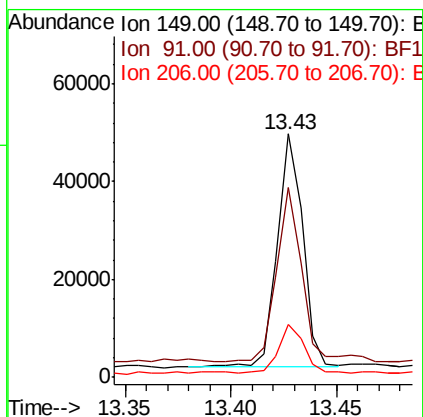
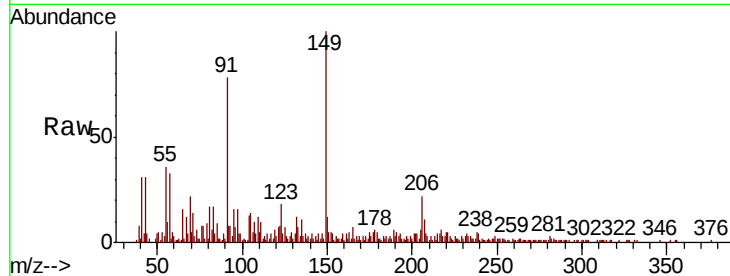




#80
Butylbenzylphthalate
Concen: 2.487 ng
RT: 13.43 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

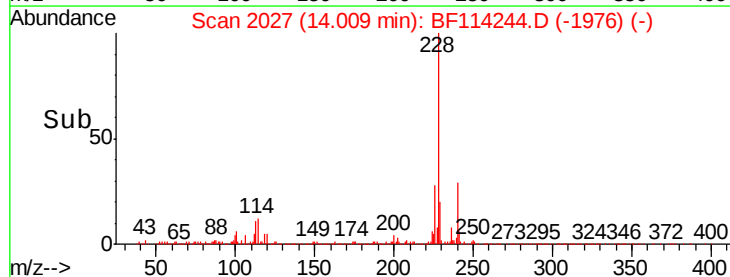
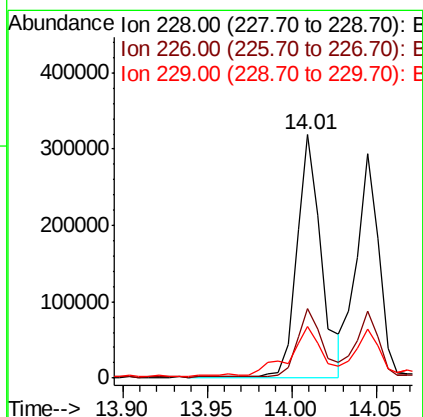
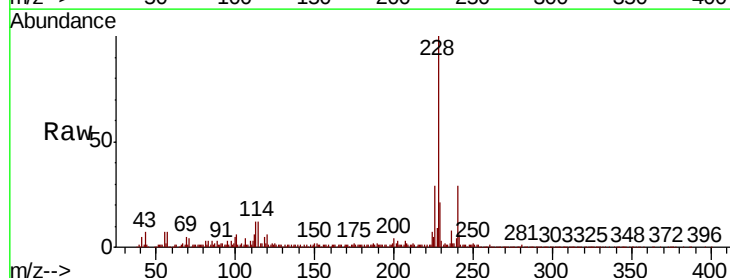
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

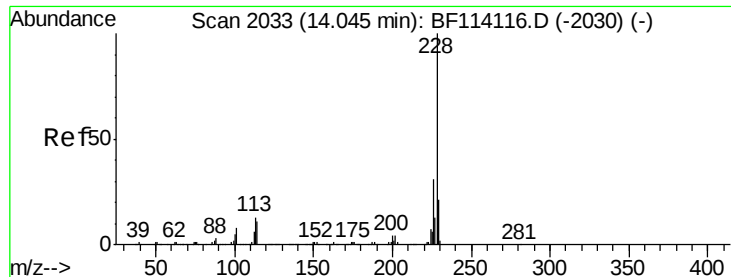
Tgt Ion:149 Resp: 40140
Ion Ratio Lower Upper
149 100
91 77.8 55.0 82.4
206 21.6 16.9 25.3



#81
Benzo(a)anthracene
Concen: 10.375 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion:228 Resp: 319844
Ion Ratio Lower Upper
228 100
226 28.8 22.2 33.2
229 21.0 16.4 24.6





#83

Chrysene

Concen: 8.996 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-039-B

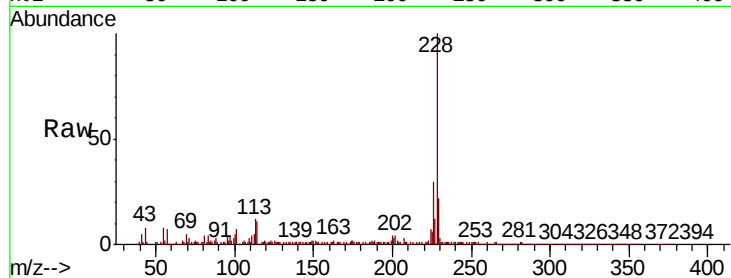
Tgt Ion:228 Resp: 271878

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

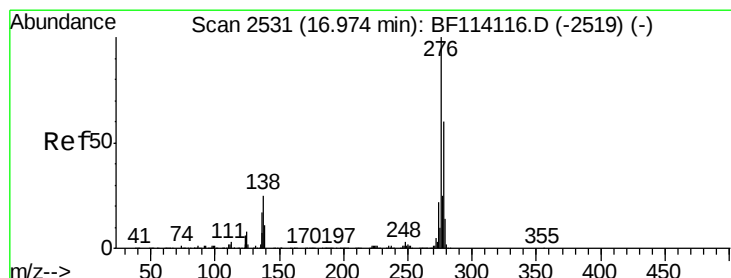
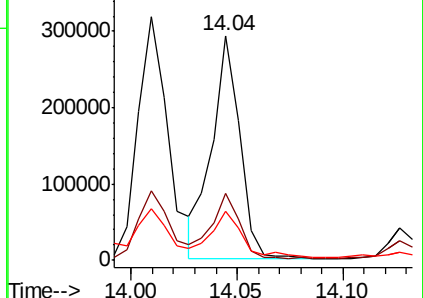
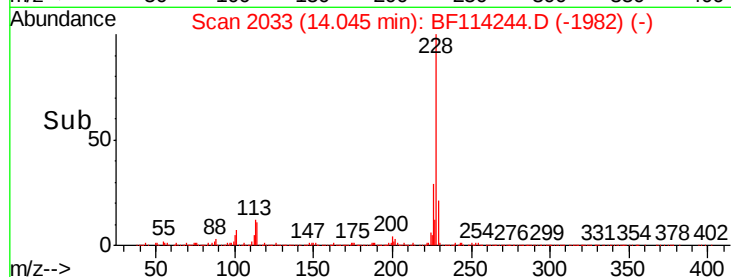
229 21.9 17.0 25.6



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: 3.348 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.02 min

Lab File: BF114244.D

Acq: 13 May 2019 21:55

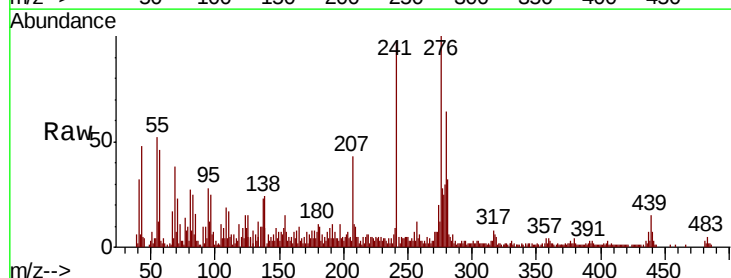
Tgt Ion:276 Resp: 89434

Ion Ratio Lower Upper

276 100

138 22.2 20.2 30.2

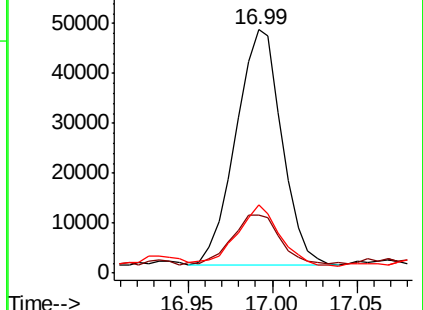
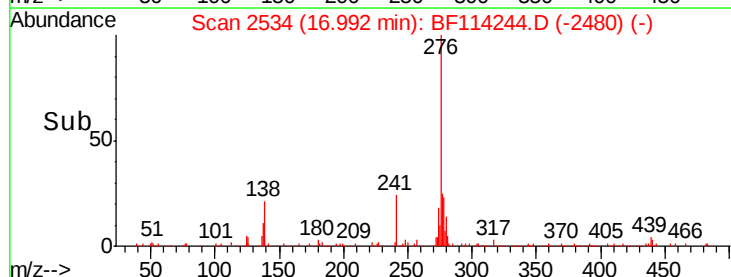
277 24.1 20.0 30.0

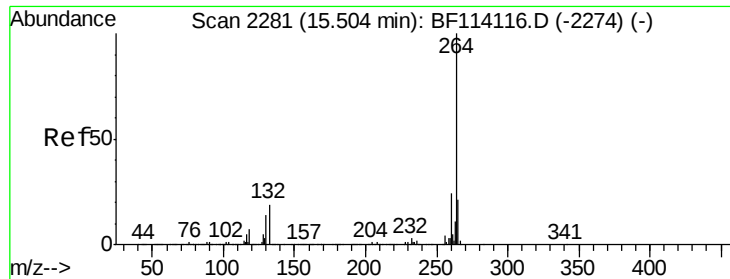


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



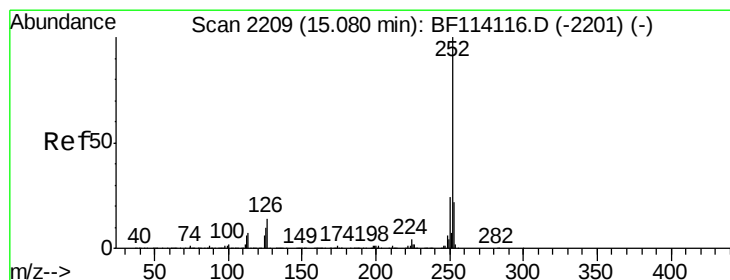
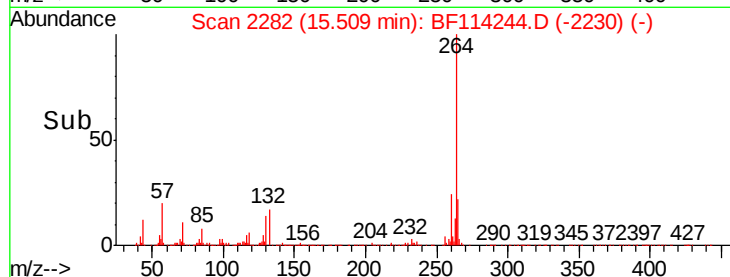
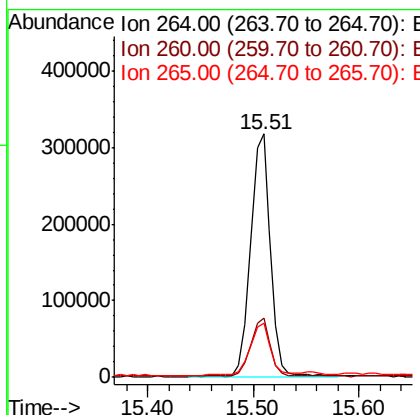
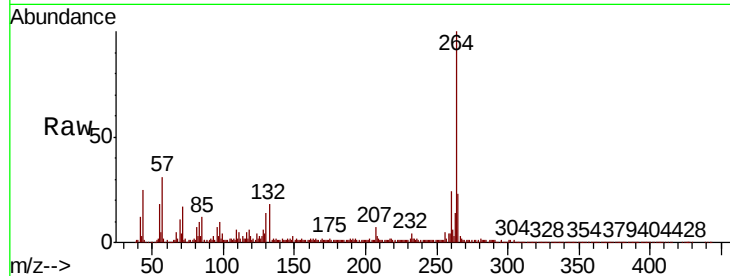


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

Tgt Ion: 264 Resp: 414956

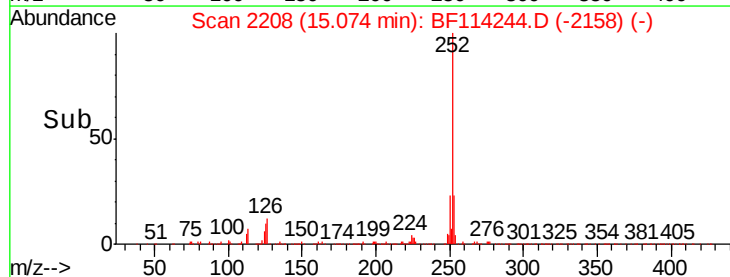
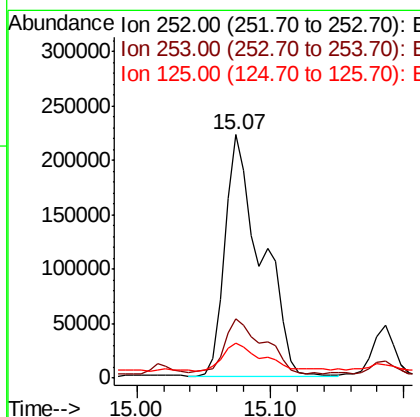
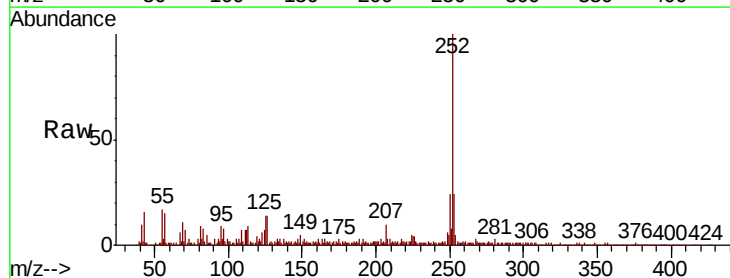
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	22.5	16.9	25.3

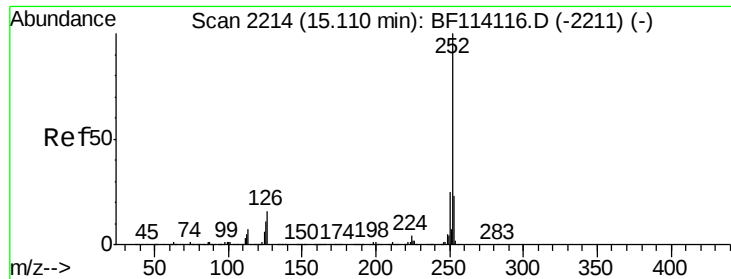


#88
Benzo(b)fluoranthene
Concen: 15.790 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion: 252 Resp: 419759

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	14.2	8.3	12.5

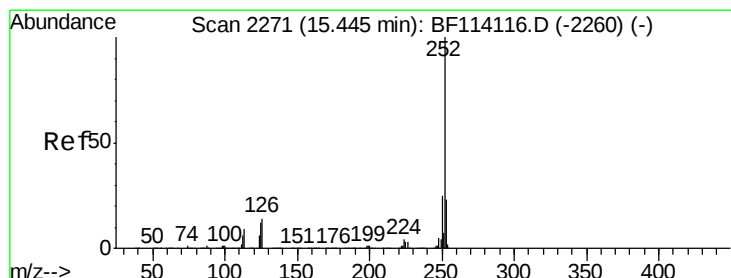
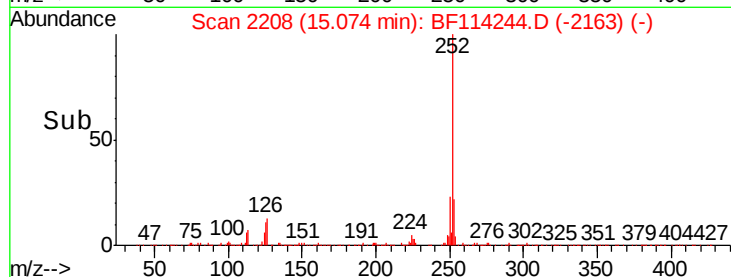
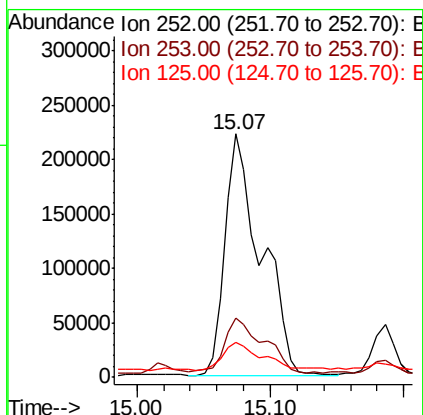
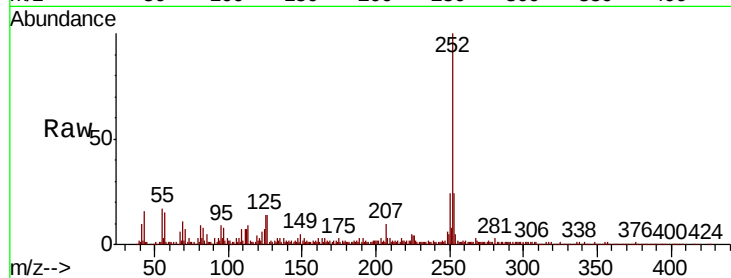




#89
Benzo(k)fluoranthene
Concen: 17.189 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

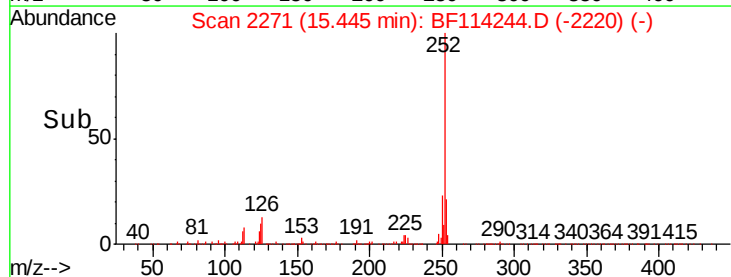
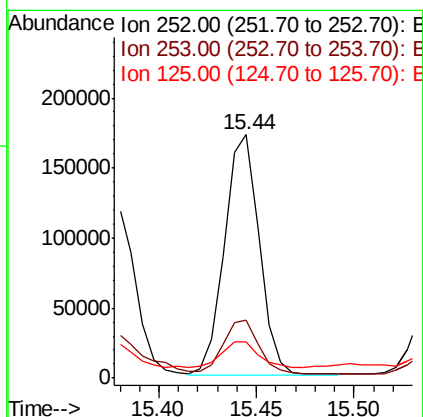
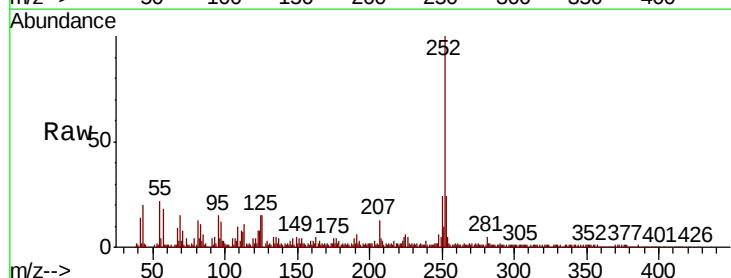
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-039-B

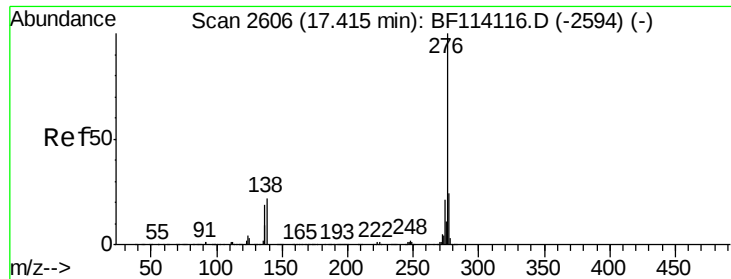
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	14.2	8.6	13.0



#90
Benzo(a)pyrene
Concen: 9.100 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF114244.D
Acq: 13 May 2019 21:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	14.8	9.5	14.3





#92
 Benzo(g,h,i)perylene
 Concen: 4.849 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.02 min
 Lab File: BF114244.D
 Acq: 13 May 2019 21:55

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-039-B

Tgt Ion: 276 Resp: 94471
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.0 28.4
 138 25.0 17.8 26.6

