

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081720\
 Data File : BF121314.D
 Acq On : 17 Aug 2020 17:20
 Operator : JU/CG
 Sample : L3508-19 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-08-081420

Quant Time: Aug 17 17:52:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 10:52:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	91630	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	362953	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	183549	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	344779	20.00	ng	0.00
76) Chrysene-d12	13.86	240	261258	20.00	ng	0.00
86) Perylene-d12	15.27	264	286280	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	62167	10.29	ng	0.00
7) Phenol-d6	6.34	99	95723	12.29	ng	0.00
23) Nitrobenzene-d5	7.26	82	69272	10.43	ng	-0.01
42) 2,4,6-Tribromophenol	10.53	330	16167	7.15	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	150571	11.35	ng	0.00
79) Terphenyl-d14	12.80	244	146789	10.95	ng	0.00

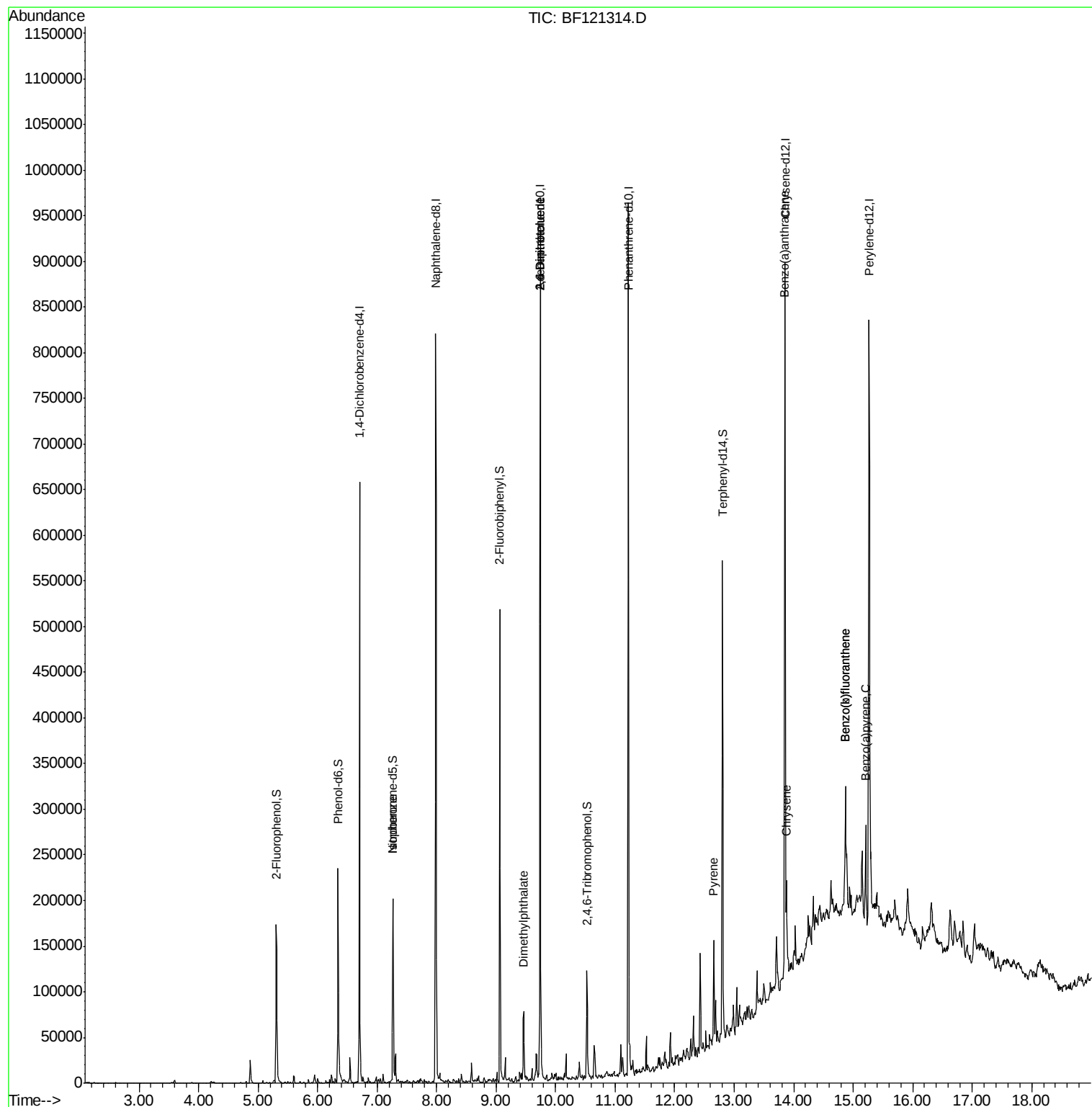
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.26	82	69271	5.195	ng	# 63
50) Dimethylphthalate	9.46	163	32289	2.338	ng	# 98
51) 2,6-Dinitrotoluene	9.74	165	23443	7.614	ng	# 25
57) 2,4-Dinitrotoluene	9.74	165	23443	5.802	ng	# 27
78) Pyrene	12.66	202	45856	2.357	ng	# 98
81) Benzo(a)anthracene	13.84	228	43242	2.440	ng	# 87
83) Chrysene	13.88	228	36986	2.044	ng	# 97
88) Benzo(b)fluoranthene	14.87	252	81894	4.269	ng	# 95
89) Benzo(k)fluoranthene	14.87	252	81894	4.598	ng	# 96
90) Benzo(a)pyrene	15.21	252	43553	2.516	ng	# 92

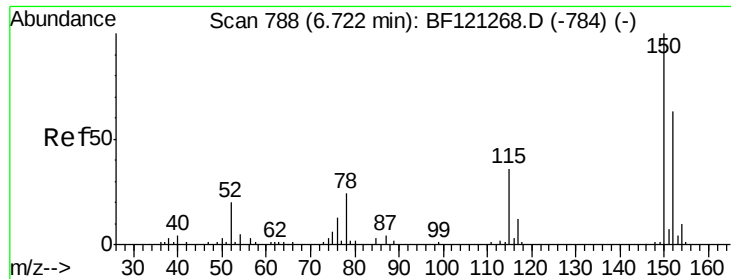
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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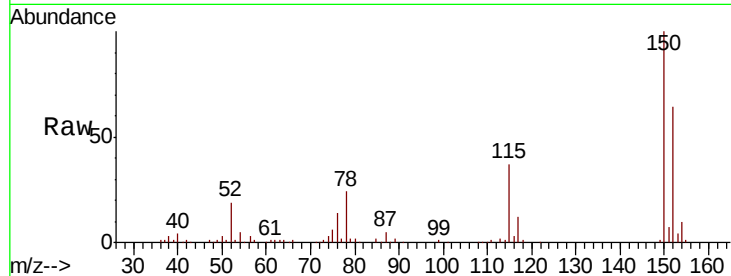


#1

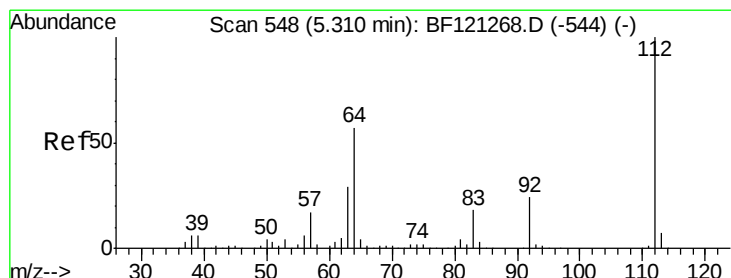
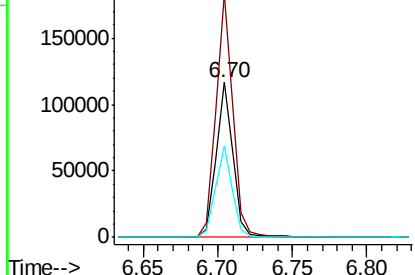
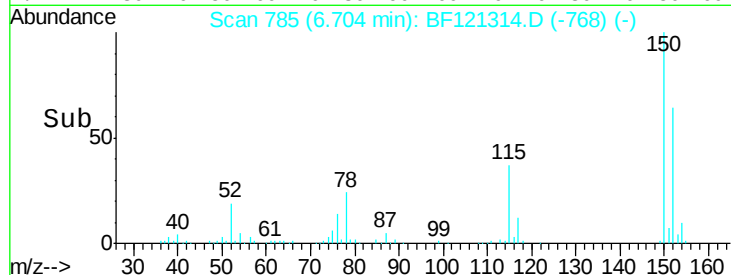
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BF121314.D
 Acq: 17 Aug 2020 17:20

Instrument :
 BNA_F
 ClientSampleId :
 TR-08-081420

Tot Ion:152 Resp: 91630
 Ion Ratio Lower Upper
 152 100
 150 156.8 123.9 185.9
 115 58.6 47.3 70.9



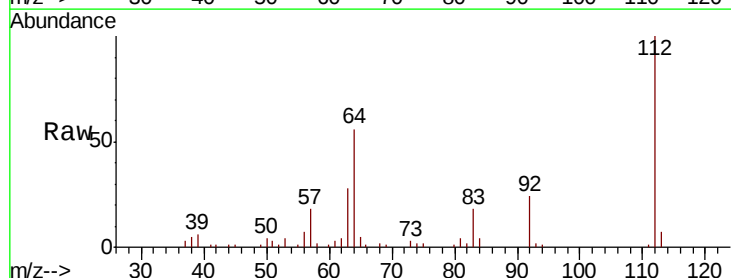
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



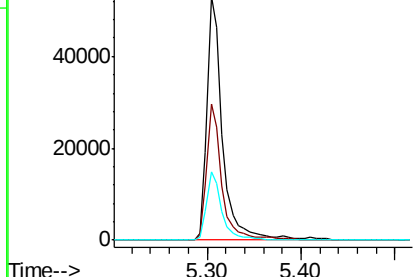
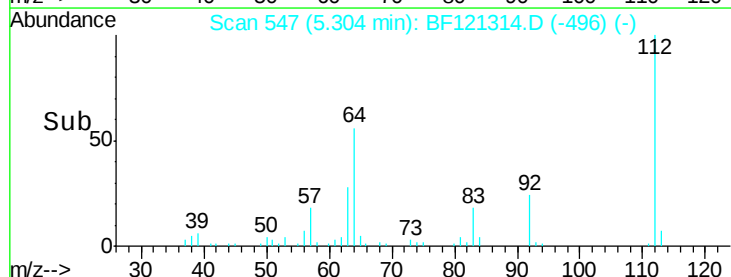
#5

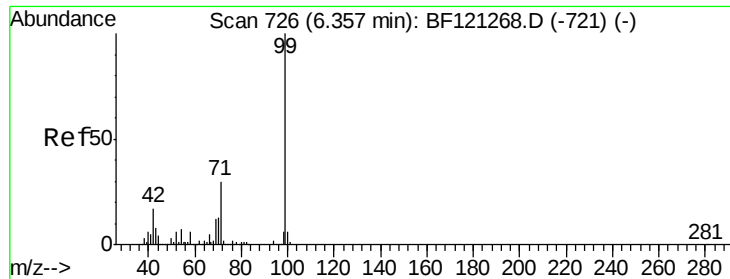
2-Fluorophenol
 Concen: 10.286 ng
 RT: 5.30 min Scan# 547
 Delta R.T. -0.00 min
 Lab File: BF121314.D
 Acq: 17 Aug 2020 17:20

Tgt Ion:112 Resp: 62167
 Ion Ratio Lower Upper
 112 100
 64 56.1 42.9 64.3
 63 28.2 22.2 33.2



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: 12.290 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF121314.D

Acq: 17 Aug 2020 17:20

Instrument :

BNA_F

ClientSampleId :

TR-08-081420

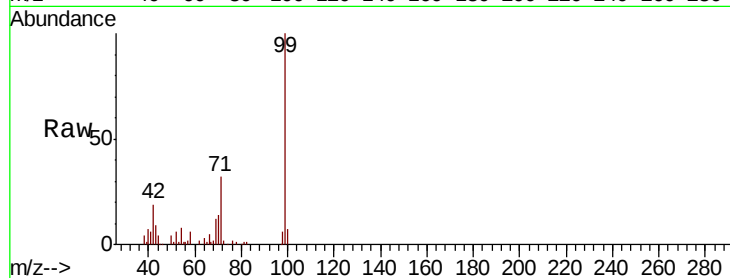
Tot Ion: 99 Resp: 95723

Ion Ratio Lower Upper

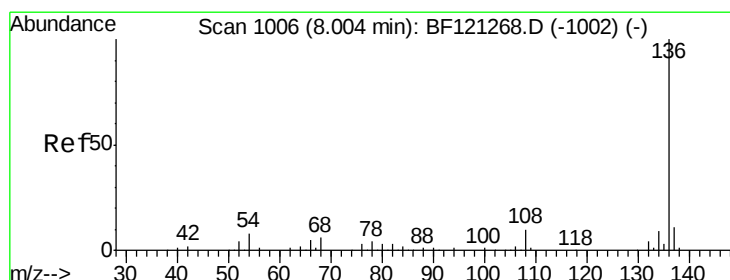
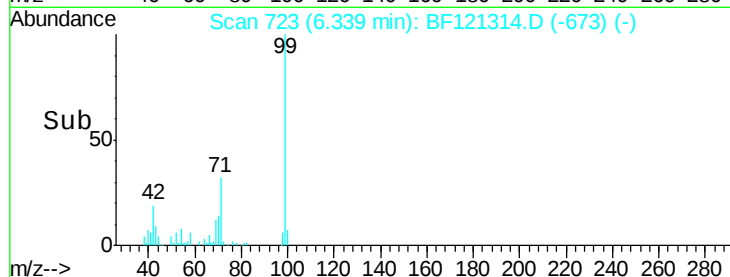
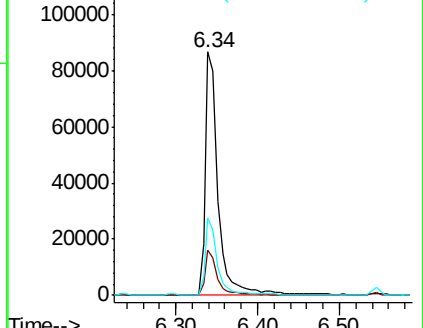
99 100

42 18.6 13.8 20.8

71 31.9 24.8 37.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF121314.D

Acq: 17 Aug 2020 17:20

Tgt Ion: 136 Resp: 362953

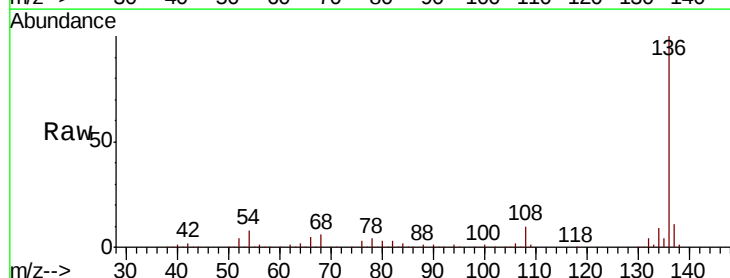
Ion Ratio Lower Upper

136 100

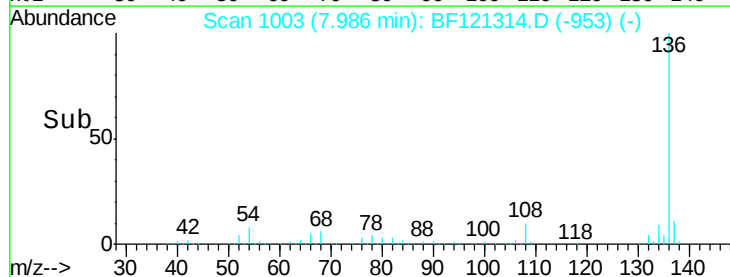
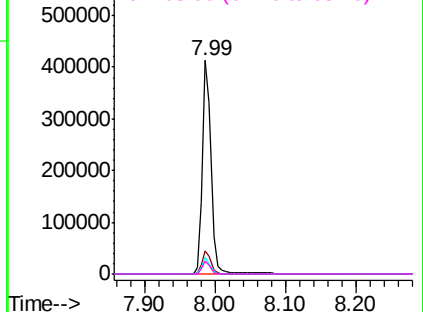
137 10.8 8.6 13.0

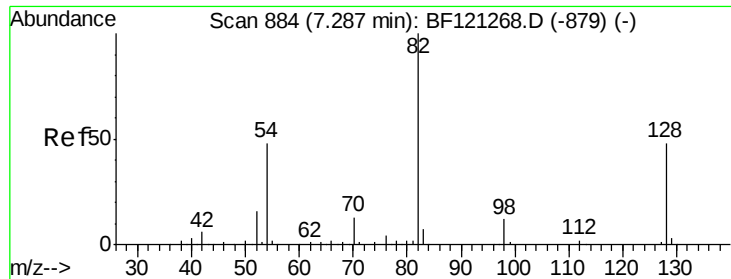
54 7.7 5.4 8.2

68 5.8 4.6 6.8



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

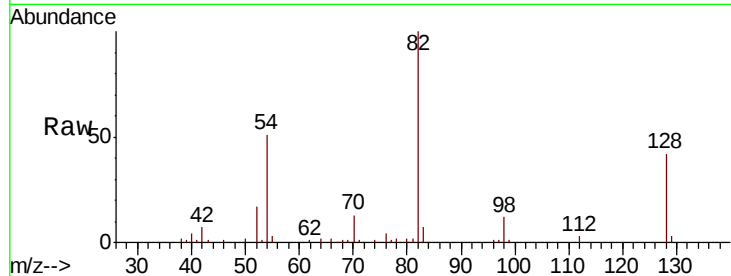




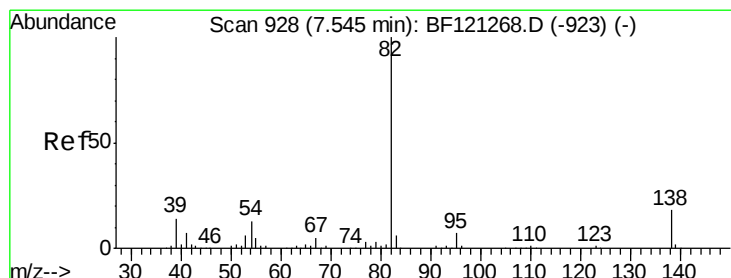
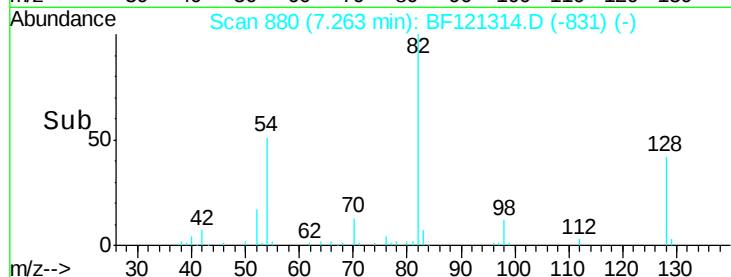
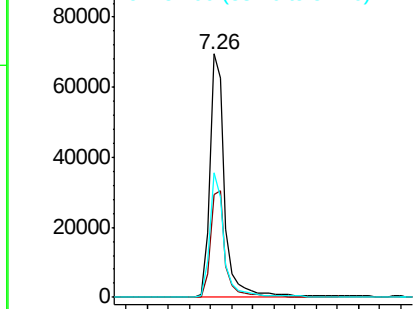
#23
Nitrobenzene-d5
Concen: 10.431 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF121314.D
Acq: 17 Aug 2020 17:20

Instrument :
BNA_F
ClientSampleId :
TR-08-081420

Tot Ion: 82 Resp: 69272
Ion Ratio Lower Upper
82 100
128 42.2 38.2 57.2
54 51.4 38.2 57.4

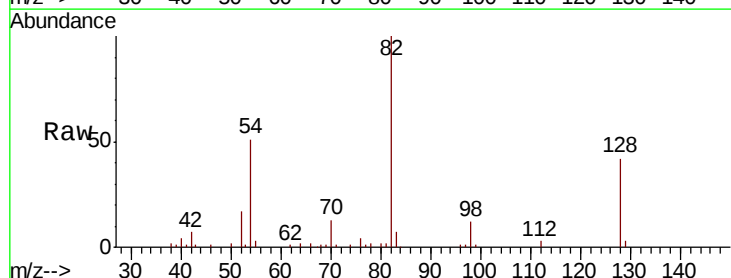


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

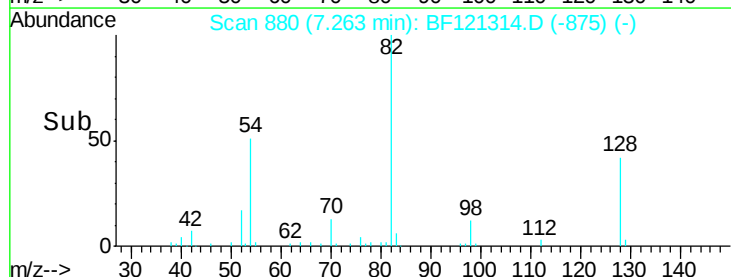
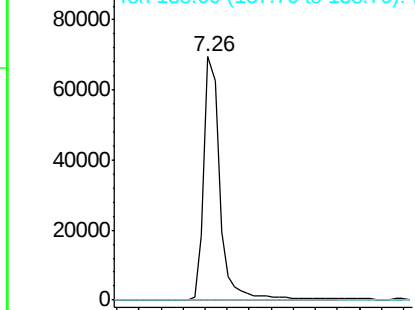


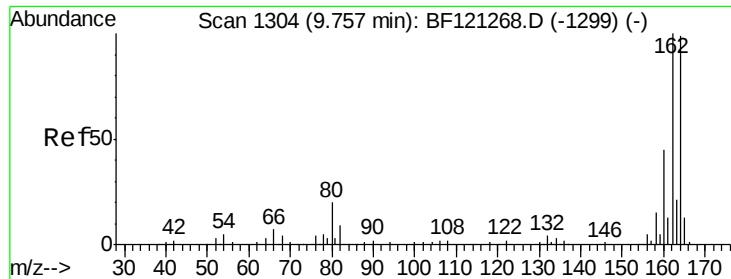
#25
Isophorone
Concen: 5.195 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.27 min
Lab File: BF121314.D
Acq: 17 Aug 2020 17:20

Tgt Ion: 82 Resp: 69271
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.6 23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

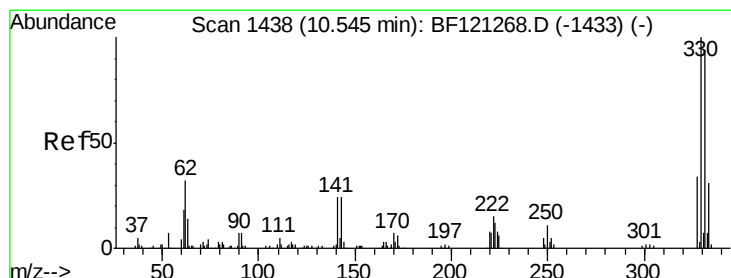
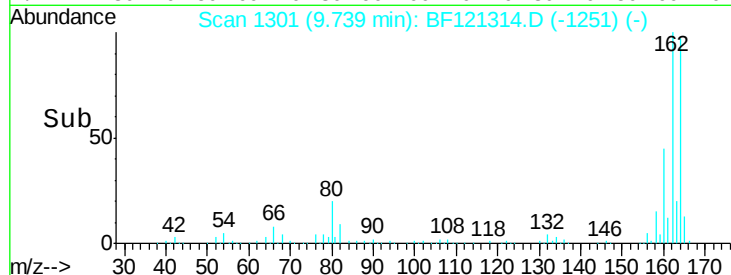
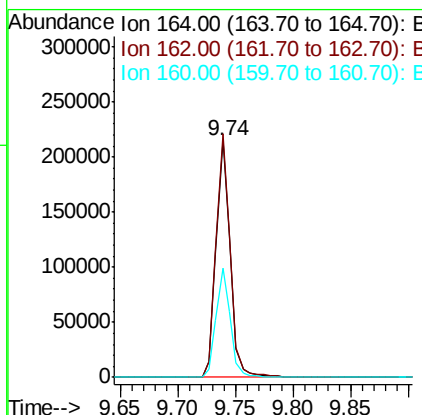
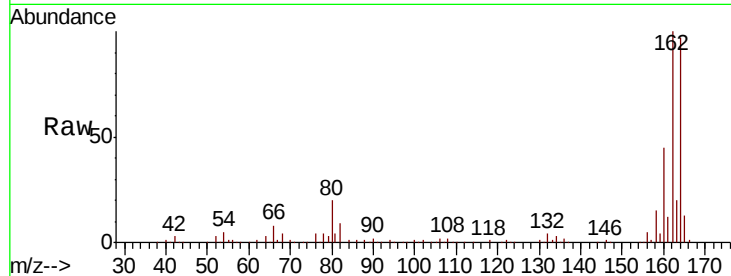




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF121314.D
 Acq: 17 Aug 2020 17:20

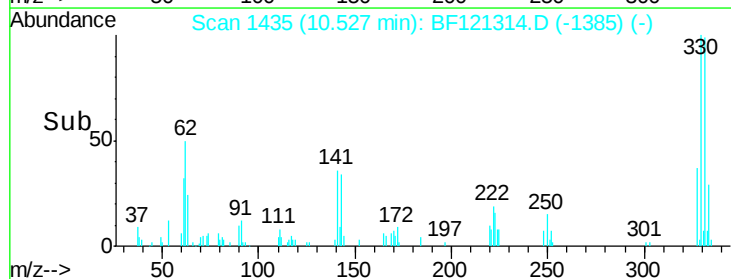
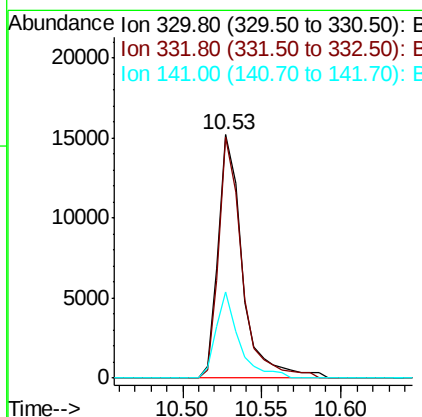
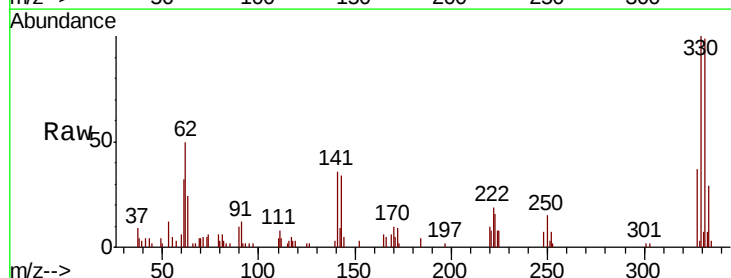
Instrument :
 BNA_F
 ClientSampleId :
 TR-08-081420

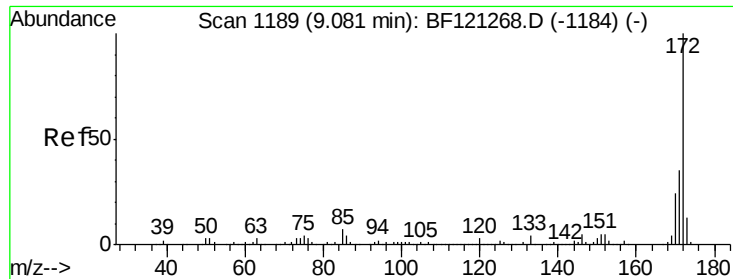
Tot Ion:164 Resp: 183549
 Ion Ratio Lower Upper
 164 100
 162 102.8 80.2 120.2
 160 46.2 36.5 54.7



#42
 2,4,6-Tribromophenol
 Concen: 7.154 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF121314.D
 Acq: 17 Aug 2020 17:20

Tgt Ion:330 Resp: 16167
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.0
 141 33.8 24.2 36.4

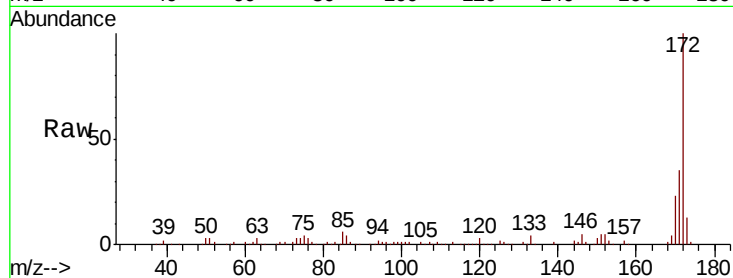




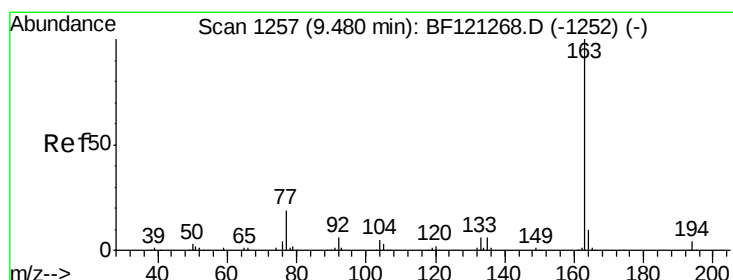
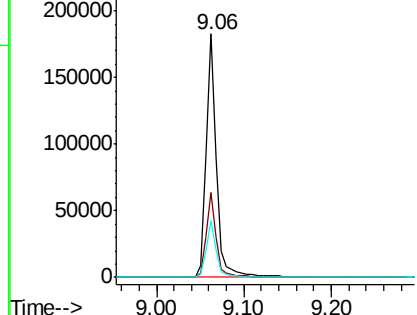
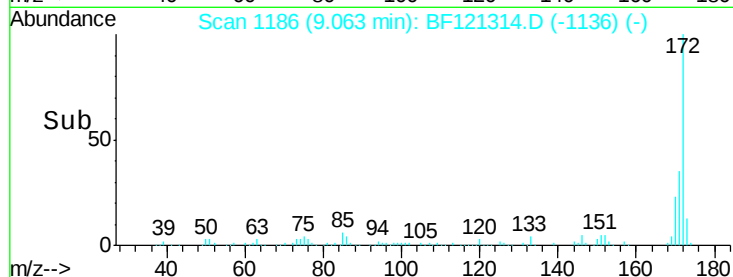
#45
2-Fluorobiphenyl
Concen: 11.348 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF121314.D
Acq: 17 Aug 2020 17:20

Instrument :
BNA_F
ClientSampleId :
TR-08-081420

Tot Ion:172 Resp: 150571
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.3 19.3 28.9

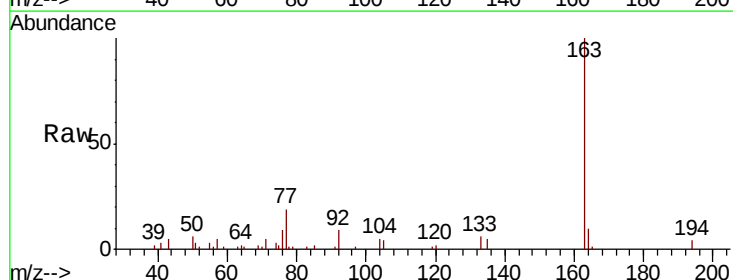


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

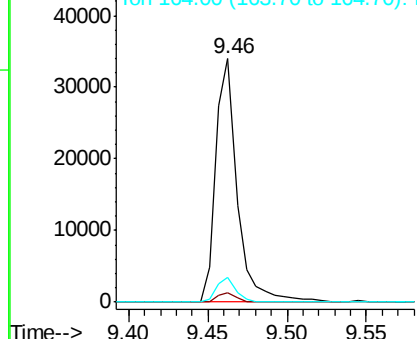
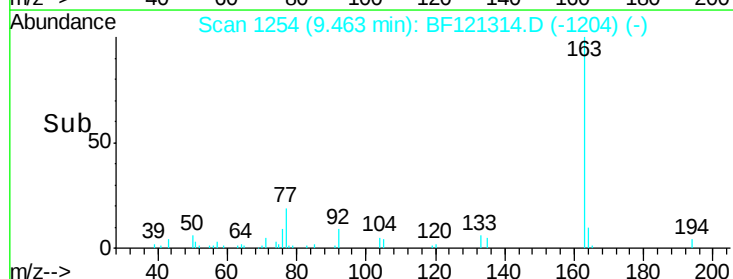


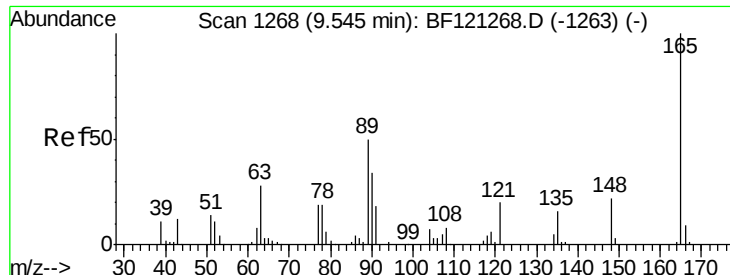
#50
Dimethylphthalate
Concen: 2.338 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF121314.D
Acq: 17 Aug 2020 17:20

Tgt Ion:163 Resp: 32289
Ion Ratio Lower Upper
163 100
194 4.1 2.9 4.3
164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

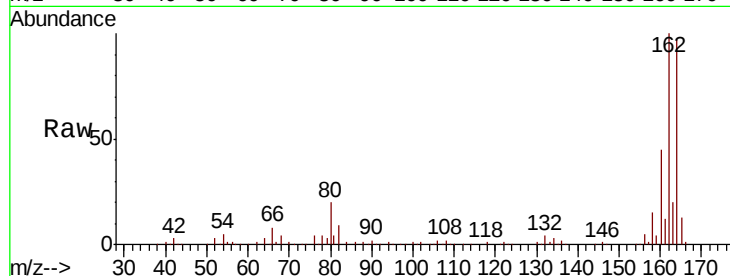




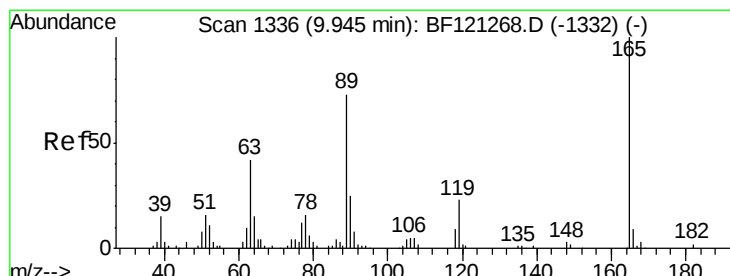
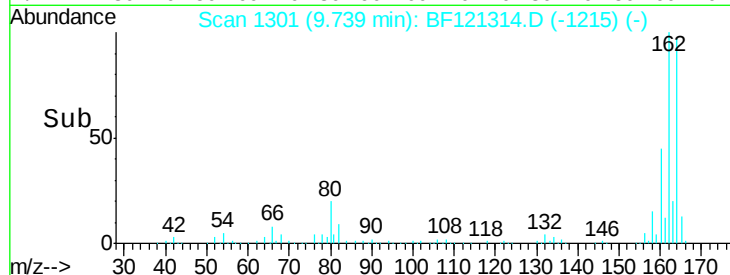
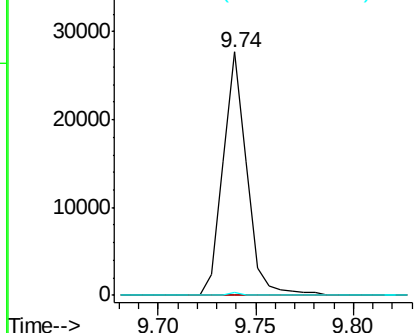
#51
 2,6-Dinitrotoluene
 Concen: 7.614 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.21 min
 Lab File: BF121314.D
 Acq: 17 Aug 2020 17:20

Instrument :
 BNA_F
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 TR-08-081420

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.3	44.7	67.1#

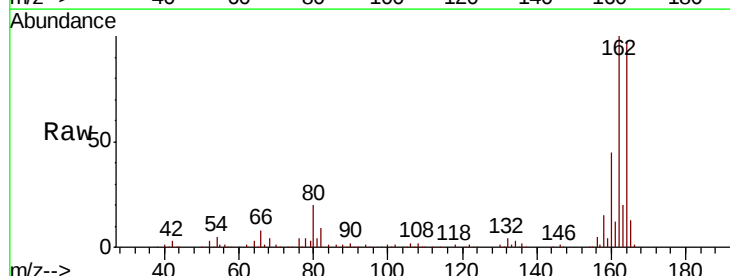


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

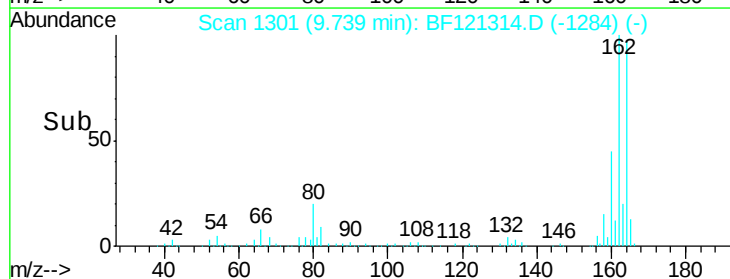
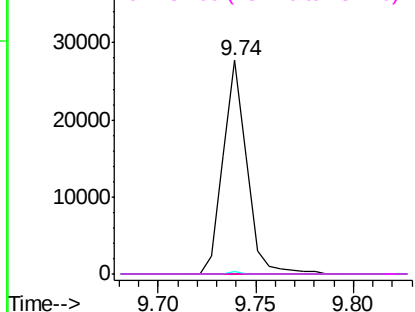


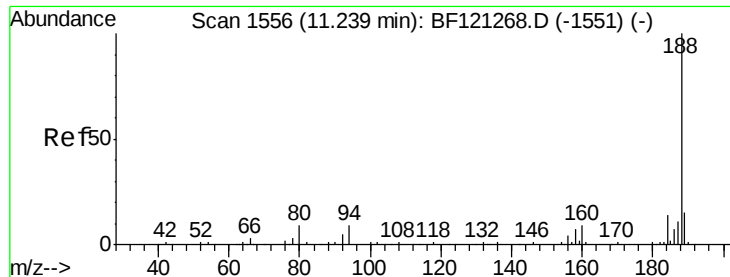
#57
 2,4-Dinitrotoluene
 Concen: 5.802 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF121314.D
 Acq: 17 Aug 2020 17:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	1.3	52.8	79.2#
182	0.0	2.1	3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF121314.D

Acq: 17 Aug 2020 17:20

Instrument :

BNA_F

ClientSampleId :

TR-08-081420

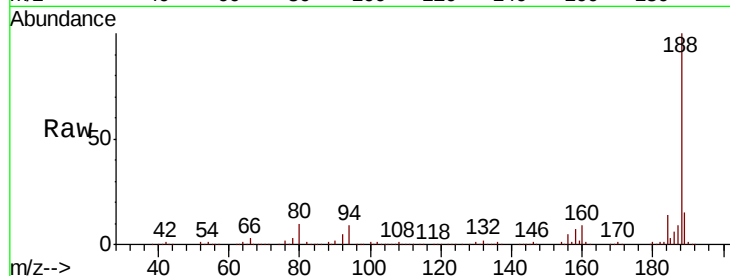
Tot Ion:188 Resp: 344779

Ion Ratio Lower Upper

188 100

94 9.1 6.4 9.6

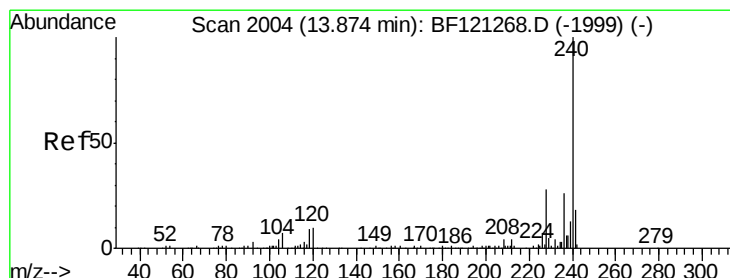
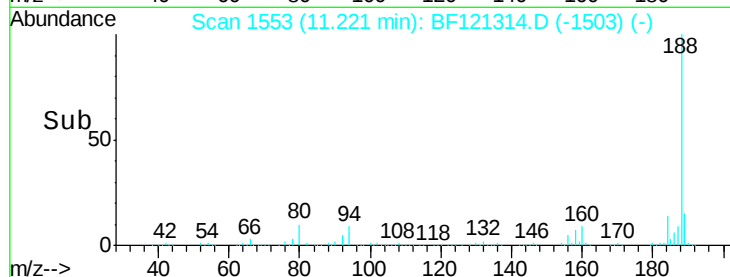
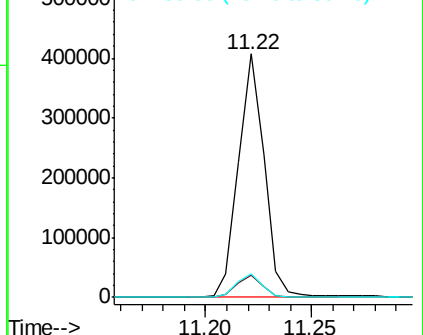
80 9.7 7.0 10.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF121314.D

Acq: 17 Aug 2020 17:20

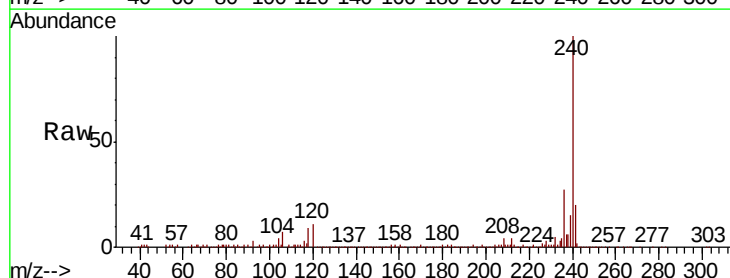
Tgt Ion:240 Resp: 261258

Ion Ratio Lower Upper

240 100

120 11.2 8.3 12.5

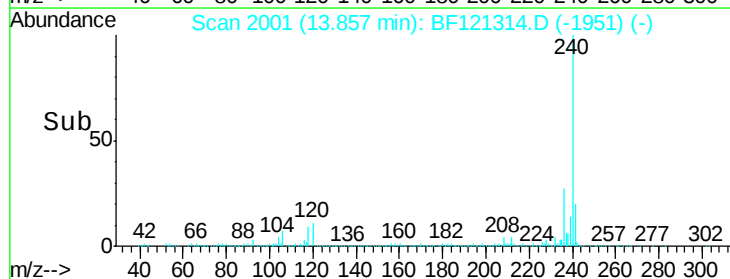
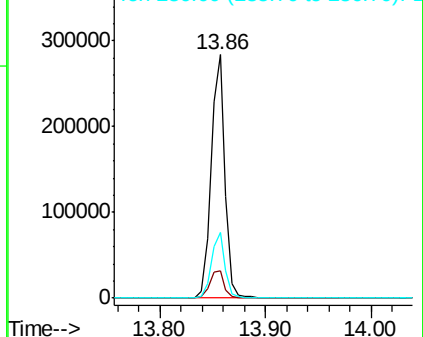
236 26.8 21.2 31.8

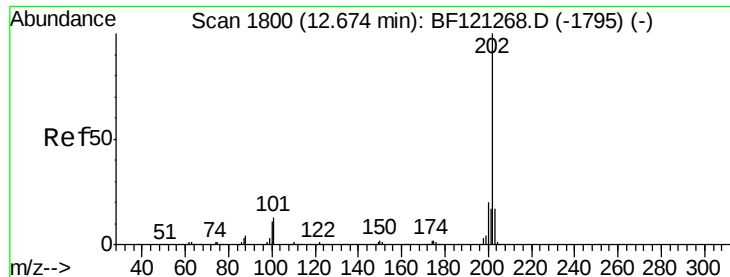


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.357 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF121314.D

Acq: 17 Aug 2020 17:20

Instrument :

BNA_F

ClientSampleId :

TR-08-081420

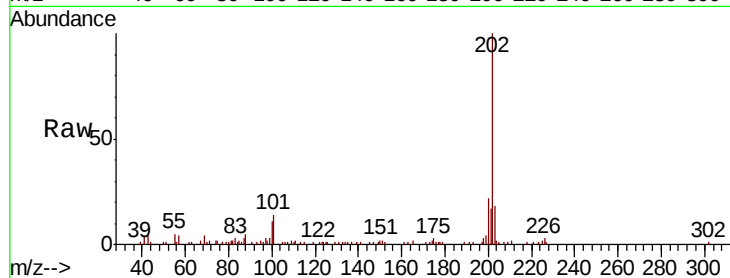
Tot Ion:202 Resp: 45856

Ion Ratio Lower Upper

202 100

200 21.5 16.4 24.6

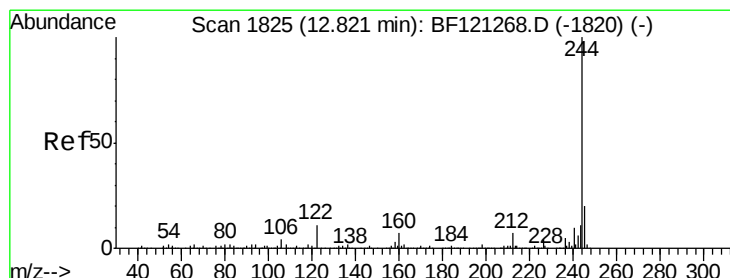
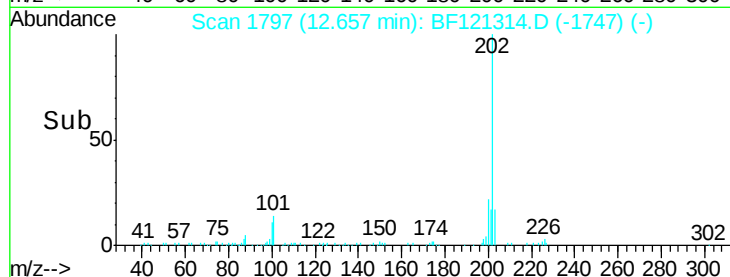
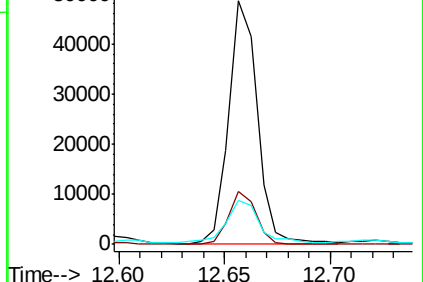
203 18.2 14.2 21.4



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: 10.952 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF121314.D

Acq: 17 Aug 2020 17:20

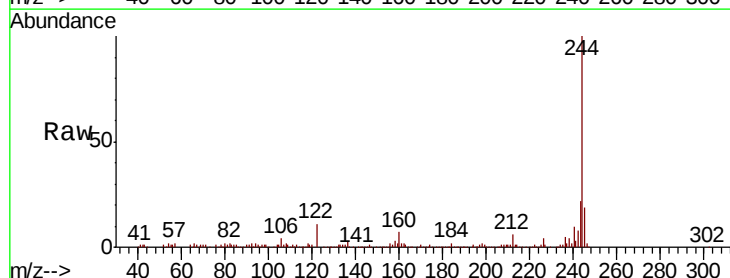
Tgt Ion:244 Resp: 146789

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

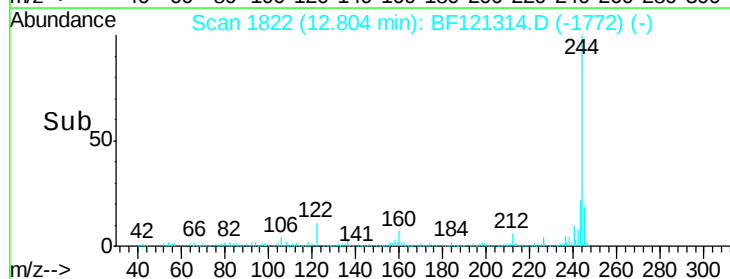
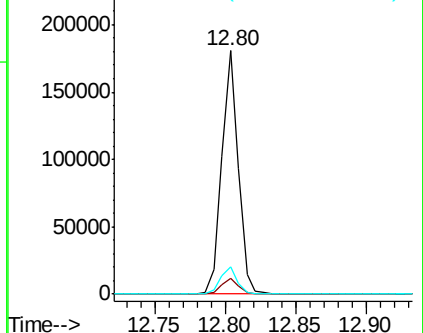
122 11.0 9.0 13.6

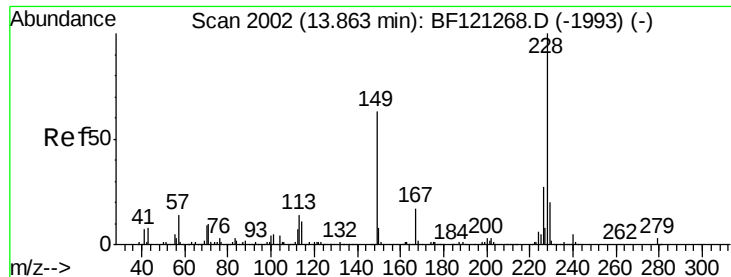


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

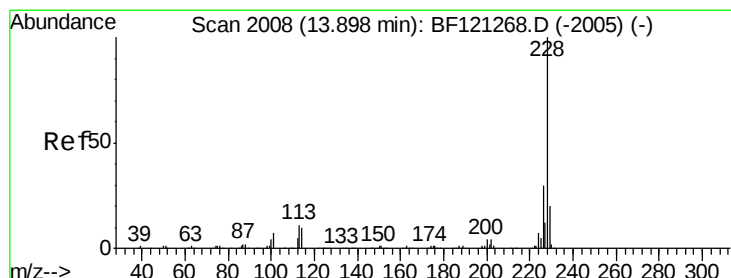
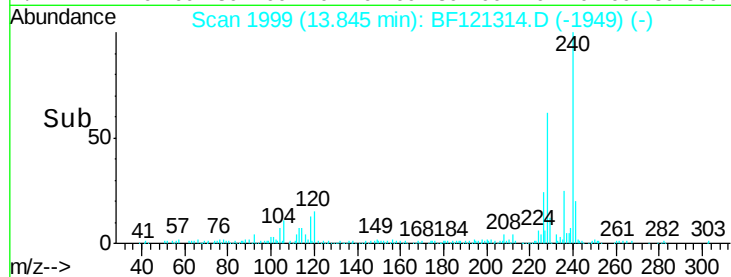
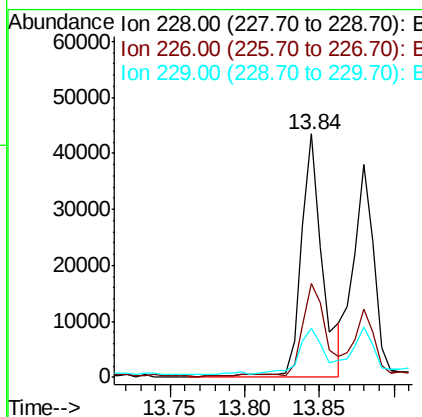
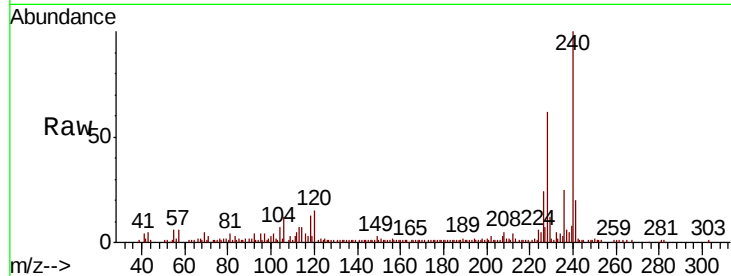




#81
Benzo(a)anthracene
Concen: 2.440 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF121314.D
Acq: 17 Aug 2020 17:20

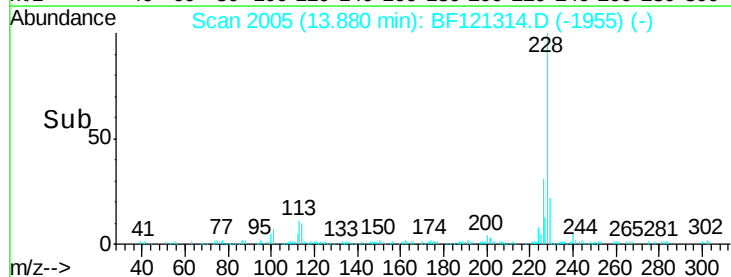
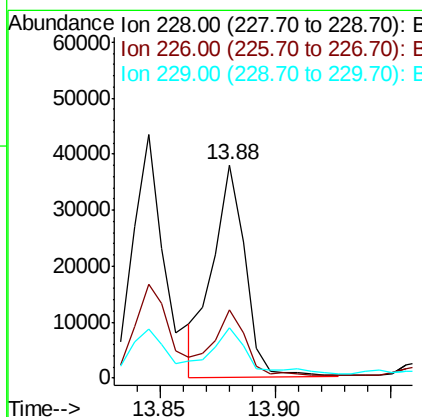
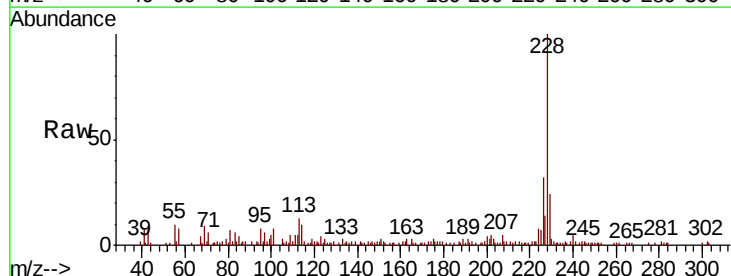
Instrument :
BNA_F
ClientSampleId :
TR-08-081420

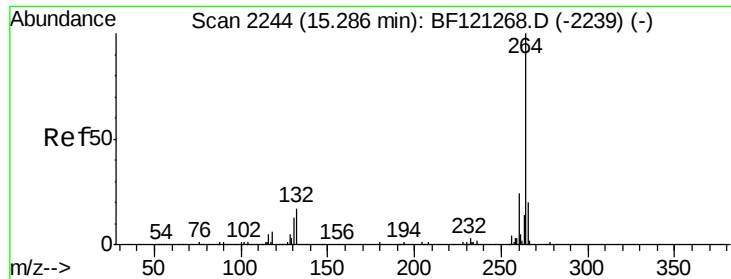
Tot Ion:228 Resp: 43242
Ion Ratio Lower Upper
228 100
226 38.8 22.0 33.0#
229 20.0 15.8 23.6



#83
Chrysene
Concen: 2.044 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF121314.D
Acq: 17 Aug 2020 17:20

Tgt Ion:228 Resp: 36986
Ion Ratio Lower Upper
228 100
226 31.9 25.3 37.9
229 23.8 16.3 24.5





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BF121314.D

Acq: 17 Aug 2020 17:20

Instrument :

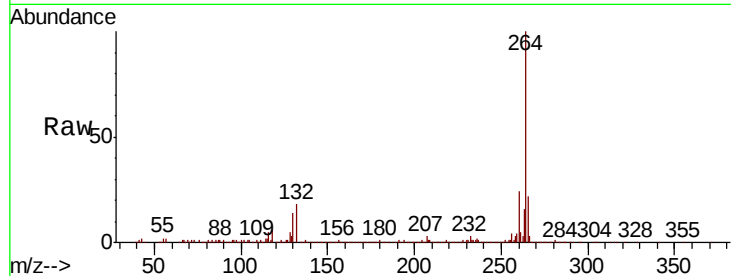
BNA_F

ClientSampleId :

TR-08-081420

Tot Ion:264 Resp: 286280

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.1	28.7
265	22.4	17.1	25.7

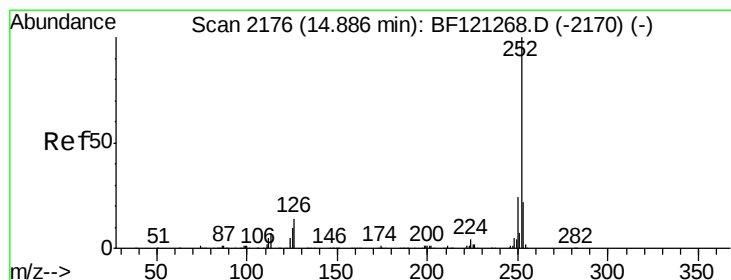
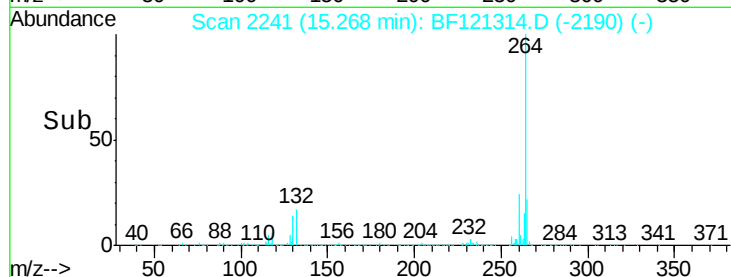
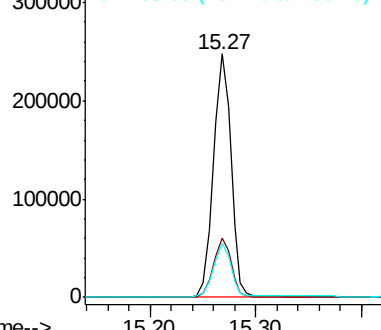


Abundance

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: 4.269 ng

RT: 14.87 min Scan# 2173

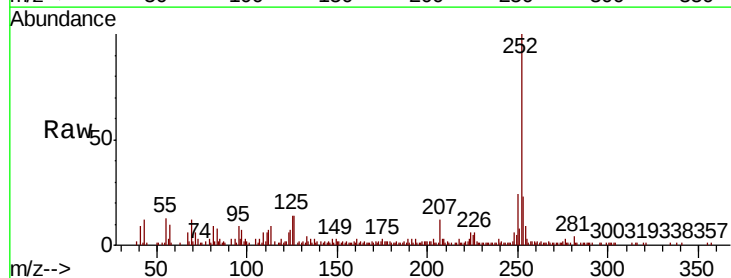
Delta R.T. -0.01 min

Lab File: BF121314.D

Acq: 17 Aug 2020 17:20

Tgt Ion:252 Resp: 81894

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	14.2	7.5	11.3

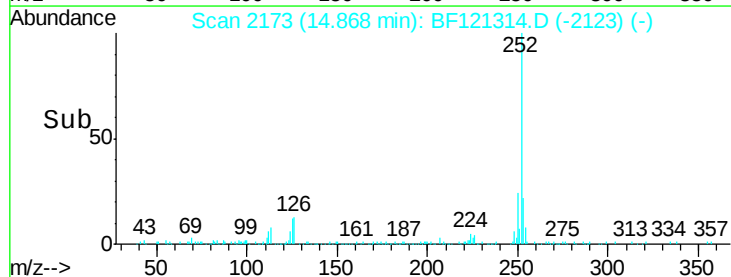
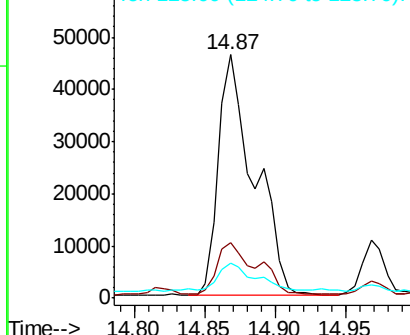


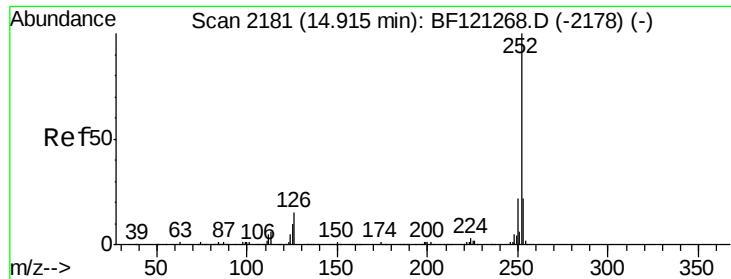
Abundance

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

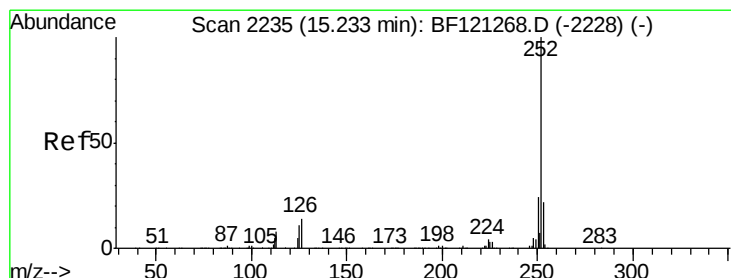
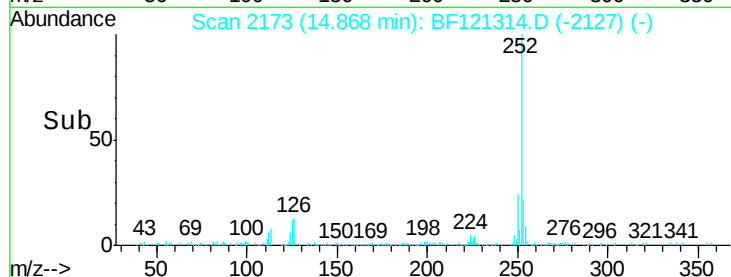
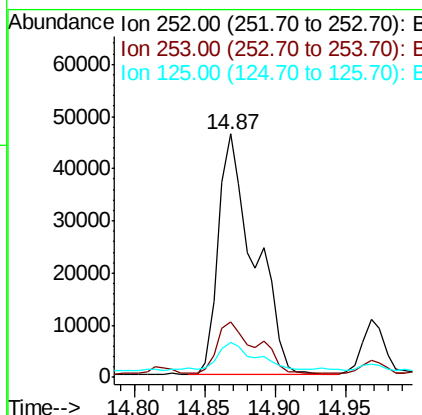
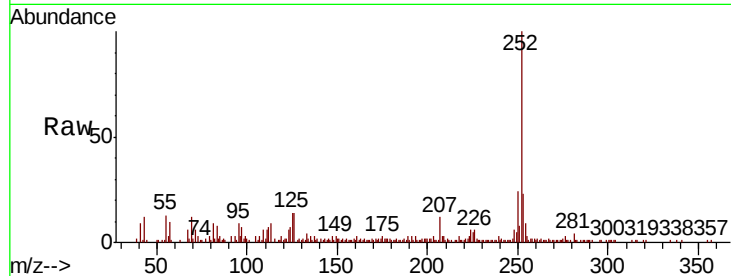




#89
Benzo(k)fluoranthene
Concen: 4.598 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.03 min
Lab File: BF121314.D
Acq: 17 Aug 2020 17:20

Instrument :
BNA_F
ClientSampleId :
TR-08-081420

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	14.2	8.2	12.4



#90
Benzo(a)pyrene
Concen: 2.516 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF121314.D
Acq: 17 Aug 2020 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.2
125	15.2	8.7	13.1

