

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120489.D
 Acq On : 2 Jun 2020 12:40
 Operator : JU/CG
 Sample : L2798-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 13:36:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 02 11:37:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	242360	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	871022	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	414927	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	667851	20.00	ng	0.00
76) Chrysene-d12	14.01	240	440047	20.00	ng	0.00
86) Perylene-d12	15.47	264	478747	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1112776	87.50	ng	0.01
7) Phenol-d6	6.48	99	1432756	91.40	ng	0.00
23) Nitrobenzene-d5	7.40	82	976412	73.33	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	351673	91.47	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1694590	69.29	ng	0.00
79) Terphenyl-d14	12.96	244	1404952	71.05	ng	0.00

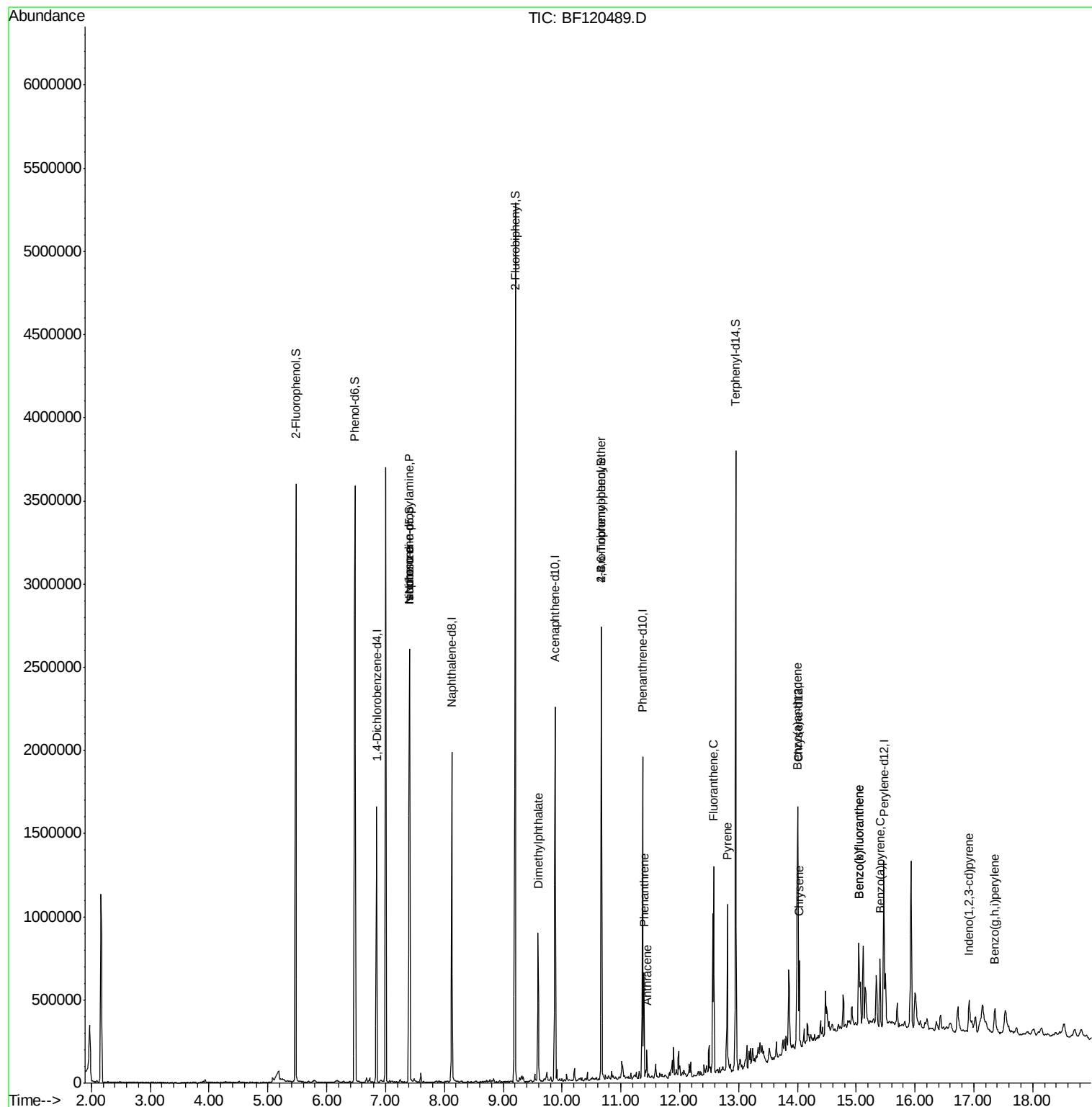
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	130171	13.064	ng	# 79
25) Isophorone	7.40	82	967261	36.142	ng	# 64
50) Dimethylphthalate	9.59	163	307958	11.872	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	21026	3.119	ng	# 1
71) Phenanthrene	11.39	178	222703	7.568	ng	99
72) Anthracene	11.44	178	59094	2.001	ng	97
75) Fluoranthene	12.58	202	443434	14.004	ng	98
78) Pyrene	12.81	202	395394	12.920	ng	98
81) Benzo(a)anthracene	14.00	228	211188	8.955	ng	97
83) Chrysene	14.03	228	185054	7.484	ng	96
87) Indeno(1,2,3-cd)pyrene	16.92	276	121967	4.658	ng	96
88) Benzo(b)fluoranthene	15.04	252	381941	14.364	ng	99
89) Benzo(k)fluoranthene	15.04	252	381941	15.386	ng	# 98
90) Benzo(a)pyrene	15.40	252	203222	8.737	ng	99
92) Benzo(a,h,i)perylene	17.36	276	112640	5.350	ng	99

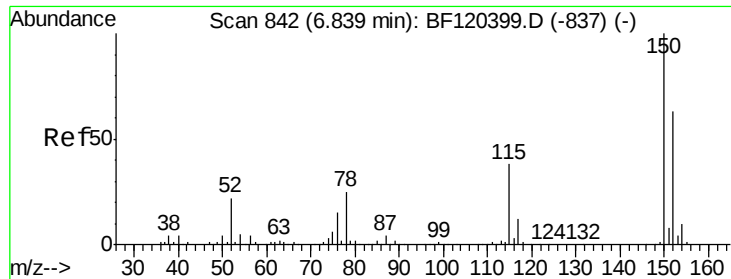
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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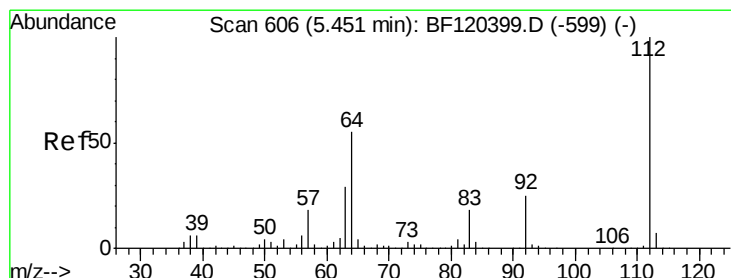
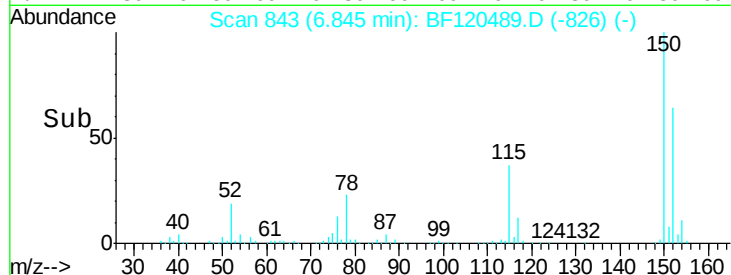
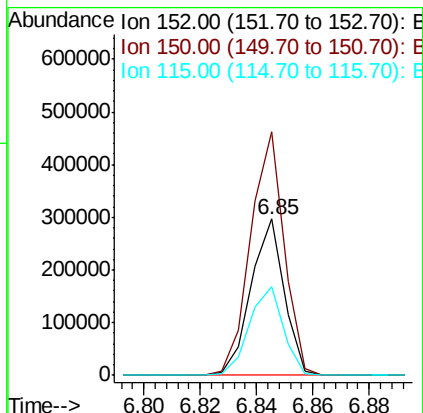
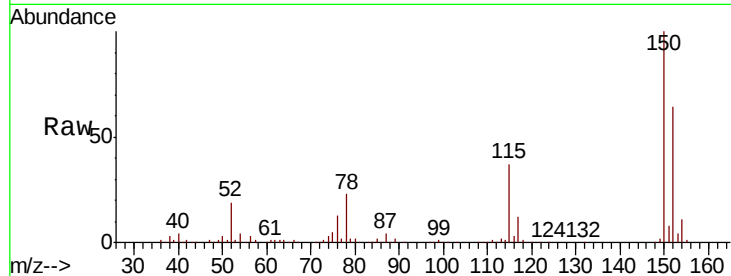


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF120489.D
Acq: 2 Jun 2020 12:40

Instrument :
BNA_F
ClientSampleId :

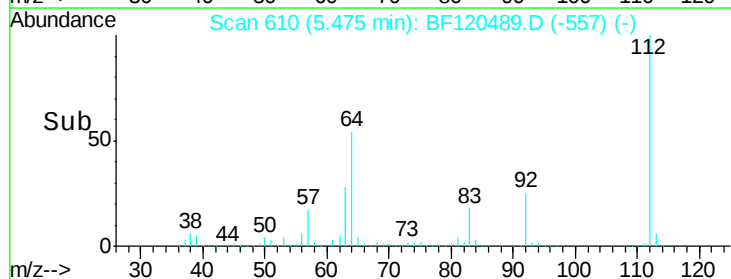
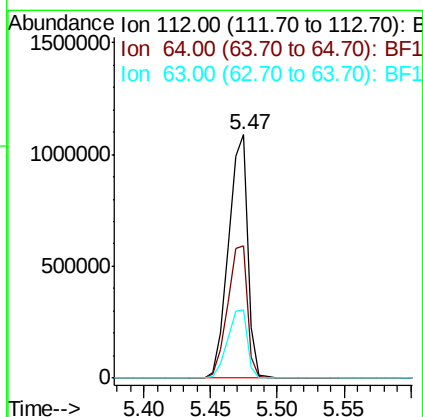
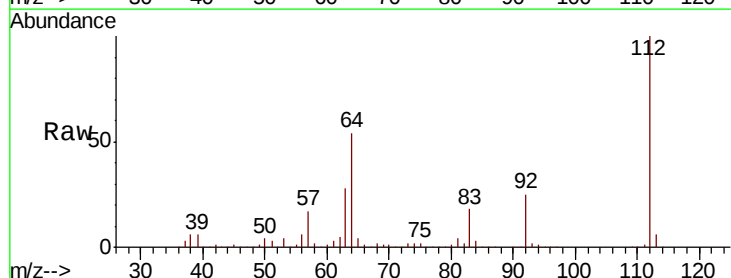
Tot Ion:152 Resp: 242360
Ion Ratio Lower Upper
152 100
150 155.8 126.7 190.1
115 57.0 46.2 69.2

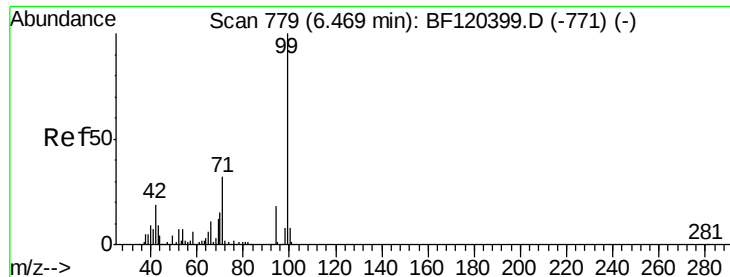


#5

2-Fluorophenol
Concen: 87.501 ng
RT: 5.47 min Scan# 610
Delta R.T. 0.01 min
Lab File: BF120489.D
Acq: 2 Jun 2020 12:40

Tgt Ion:112 Resp: 1112776
Ion Ratio Lower Upper
112 100
64 54.3 46.3 69.5
63 28.2 24.2 36.2





#7

Phenol-d6

Concen: 91.404 ng

RT: 6.48 min Scan# 781

Delta R.T. 0.00 min

Lab File: BF120489.D

Acq: 2 Jun 2020 12:40

Instrument :

BNA_F

ClientSampled :

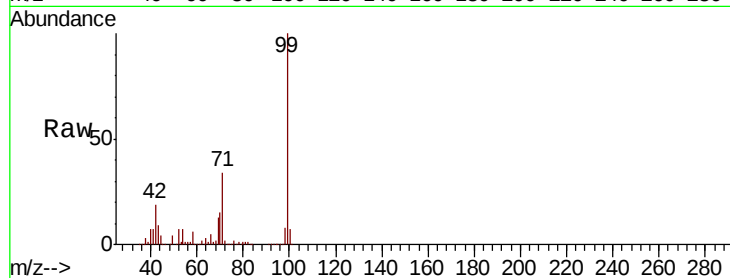
Tot Ion: 99 Resp: 1432756

Ion Ratio Lower Upper

99 100

42 18.7 15.1 22.7

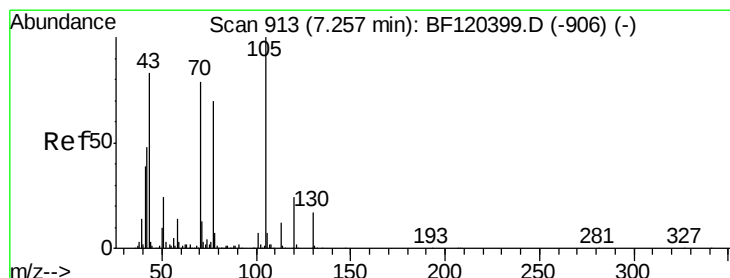
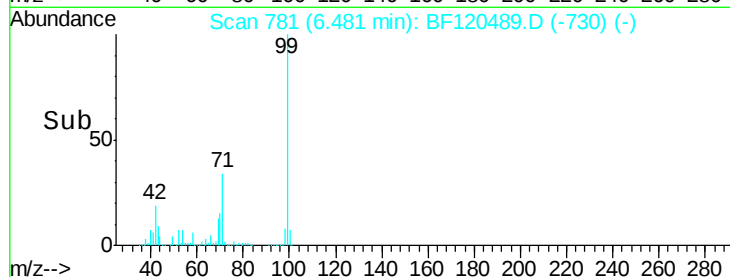
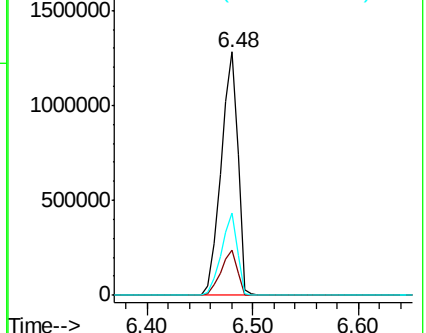
71 33.7 26.2 39.4



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: 13.064 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.14 min

Lab File: BF120489.D

Acq: 2 Jun 2020 12:40

Tgt Ion: 70 Resp: 130171

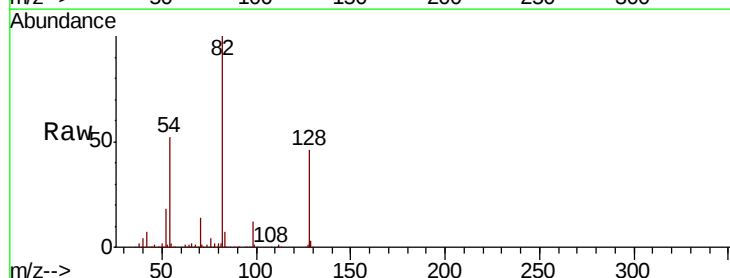
Ion Ratio Lower Upper

70 100

42 49.1 47.4 71.2

101 0.0 7.8 11.6#

130 2.4 17.1 25.7#

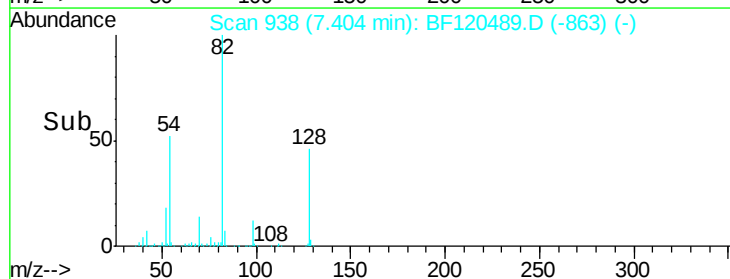
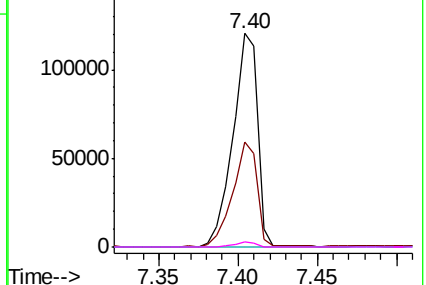


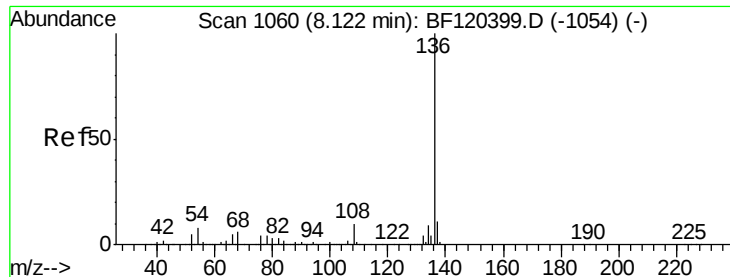
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

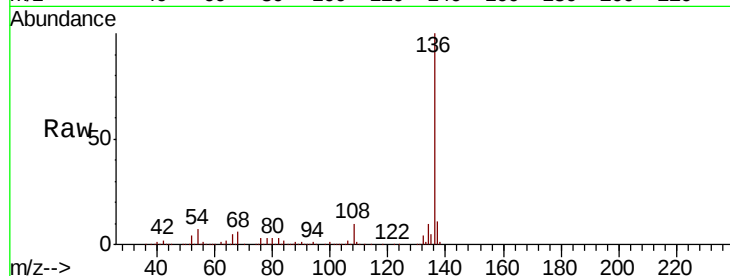




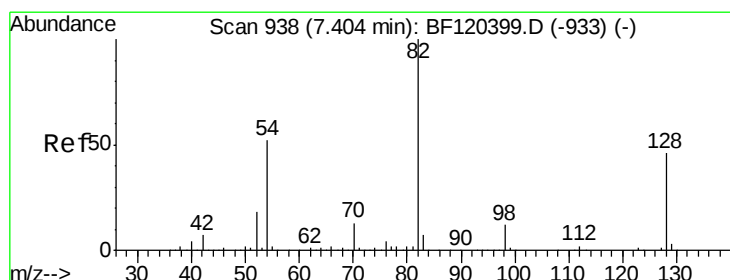
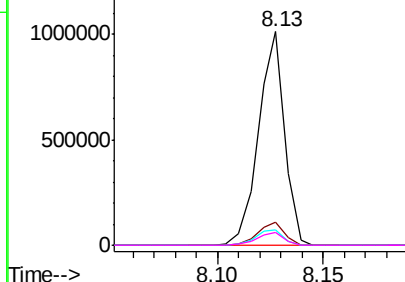
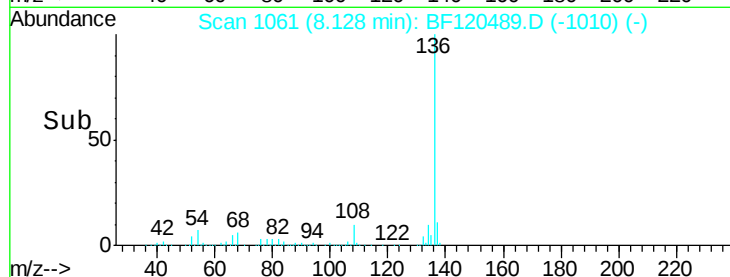
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF120489.D
Acq: 2 Jun 2020 12:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	871022
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.0 13.6
54	7.1	6.2 9.4
68	5.7	5.0 7.6

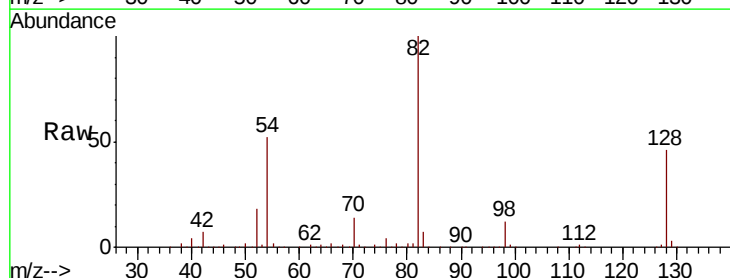


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

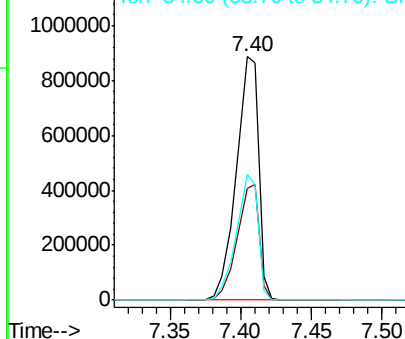
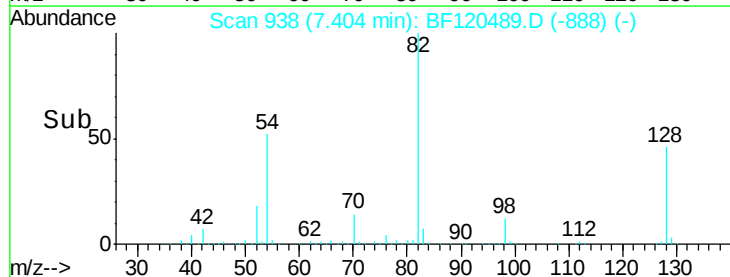


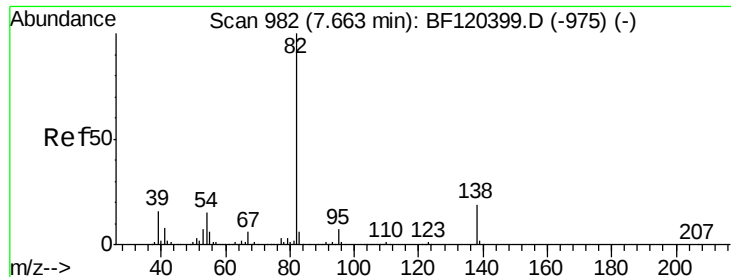
#23
Nitrobenzene-d5
Concen: 73.328 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF120489.D
Acq: 2 Jun 2020 12:40

Tgt Ion: 82	Resp:	976412
Ion	Ratio	Lower Upper
82	100	
128	45.7	37.0 55.6
54	51.8	41.0 61.4



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





#25

Isophorone

Concen: 36.142 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120489.D

Acq: 2 Jun 2020 12:40

Instrument :

BNA_F

ClientSampleId :

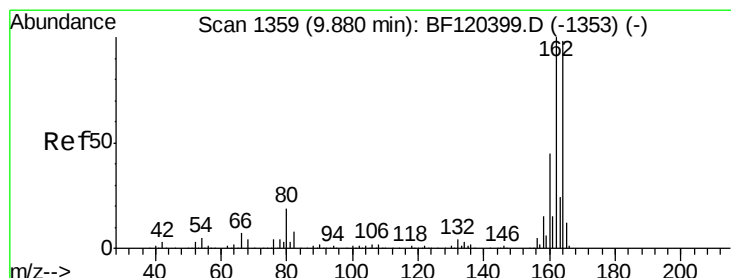
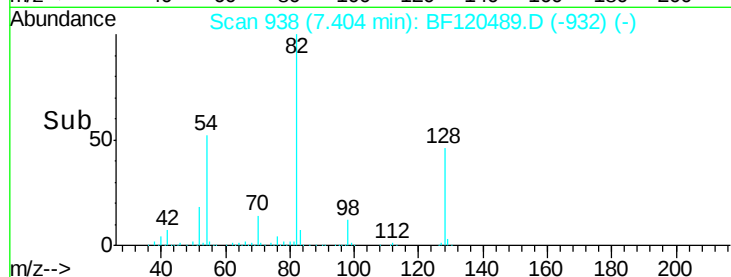
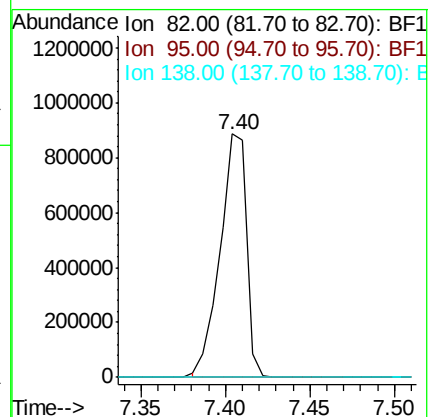
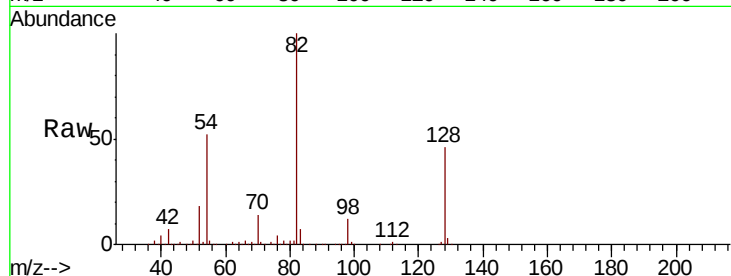
Tot Ion: 82 Resp: 967261

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.0 22.6#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF120489.D

Acq: 2 Jun 2020 12:40

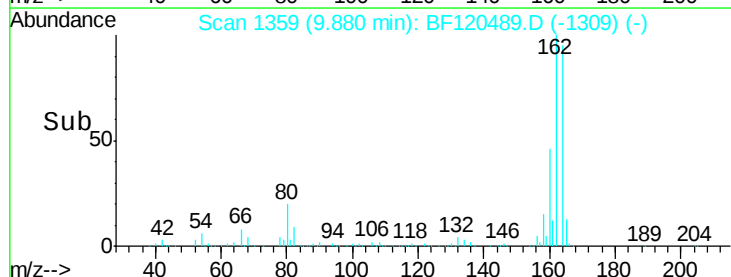
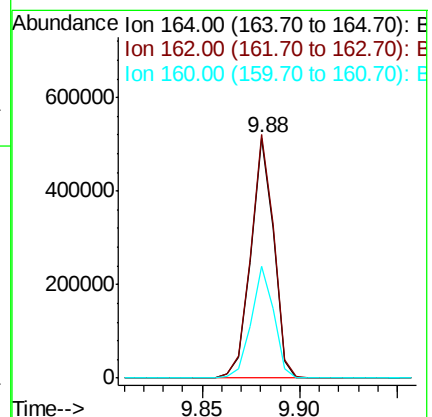
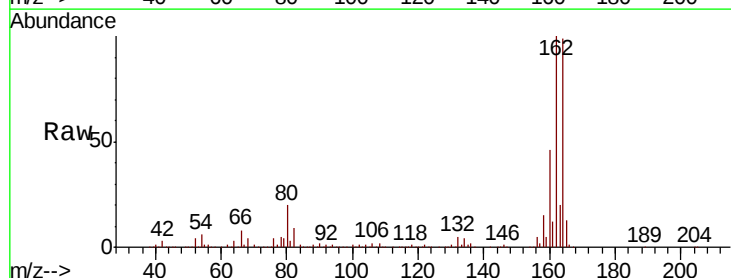
Tgt Ion:164 Resp: 414927

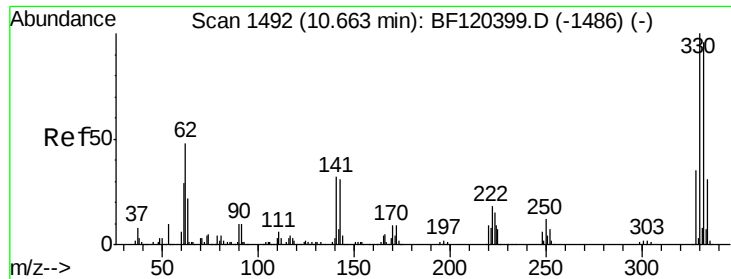
Ion Ratio Lower Upper

164 100

162 101.3 81.9 122.9

160 46.6 37.4 56.0

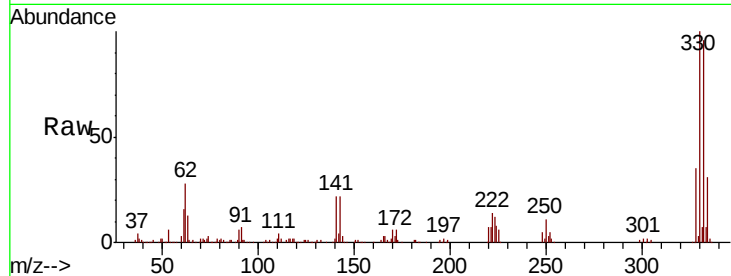




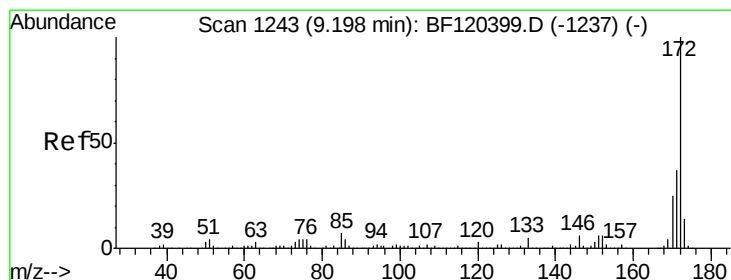
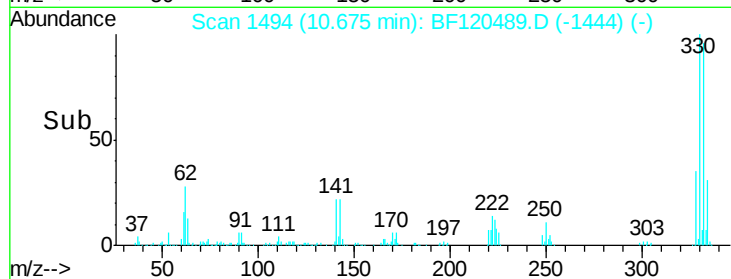
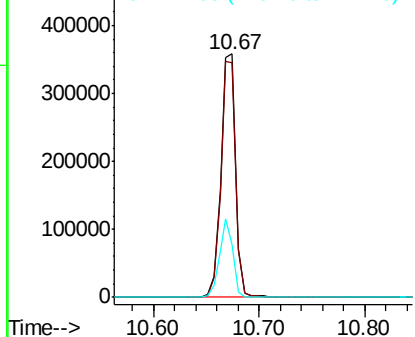
#42
 2,4,6-Tribromophenol
 Concen: 91.475 ng
 RT: 10.67 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: BF120489.D
 Acq: 2 Jun 2020 12:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 351673
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.8 115.2
 141 29.8 23.9 35.9

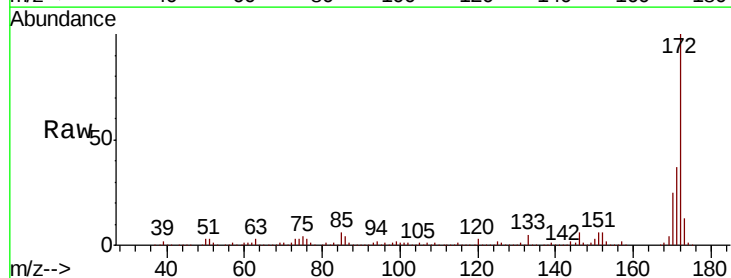


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

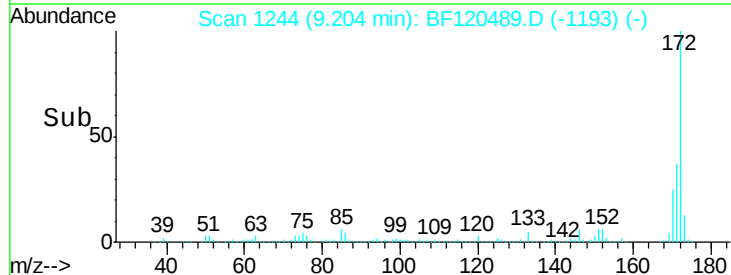
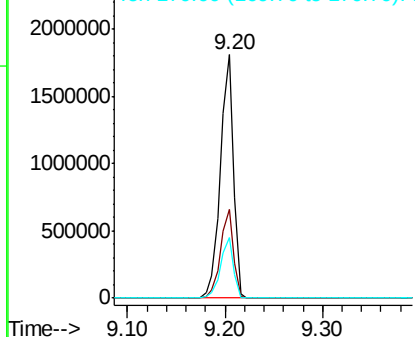


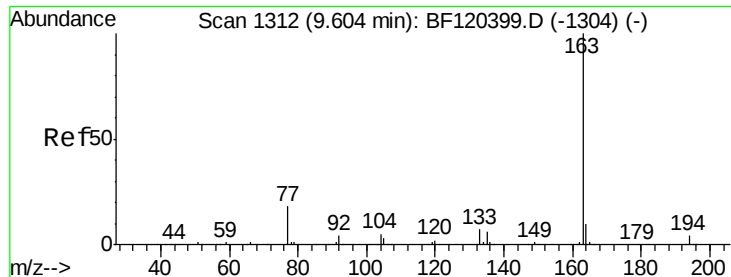
#45
 2-Fluorobiphenyl
 Concen: 69.294 ng
 RT: 9.20 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: BF120489.D
 Acq: 2 Jun 2020 12:40

Tgt Ion:172 Resp: 1694590
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.2
 170 24.7 19.9 29.9



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: 11.872 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF120489.D

Acq: 2 Jun 2020 12:40

Instrument :

BNA_F

ClientSampled :

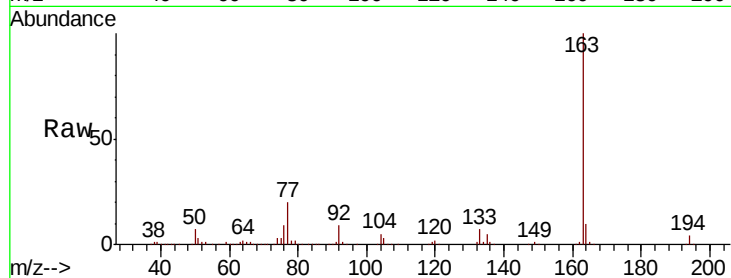
Tot Ion:163 Resp: 307958

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

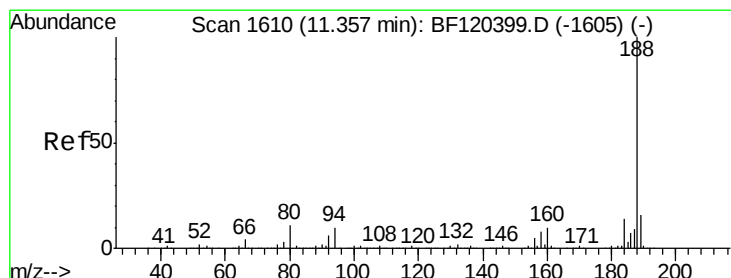
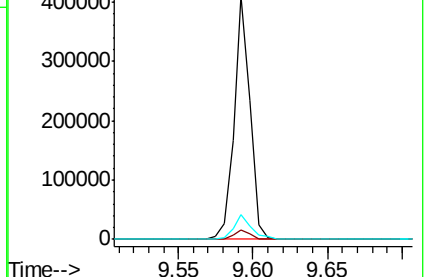
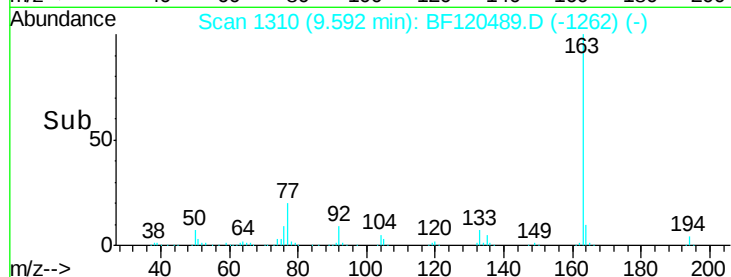
164 10.3 8.2 12.2



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BF120489.D

Acq: 2 Jun 2020 12:40

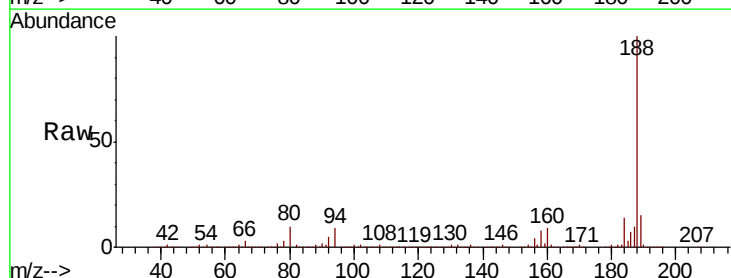
Tgt Ion:188 Resp: 667851

Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

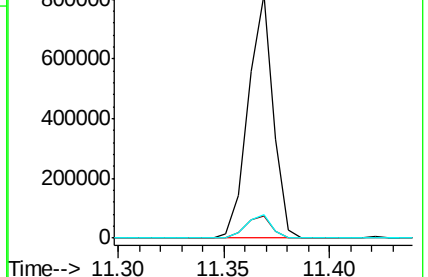
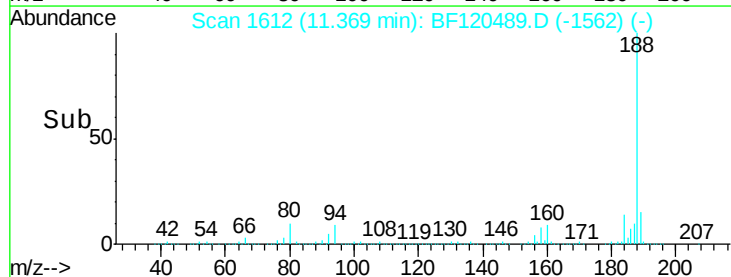
80 9.6 7.1 10.7

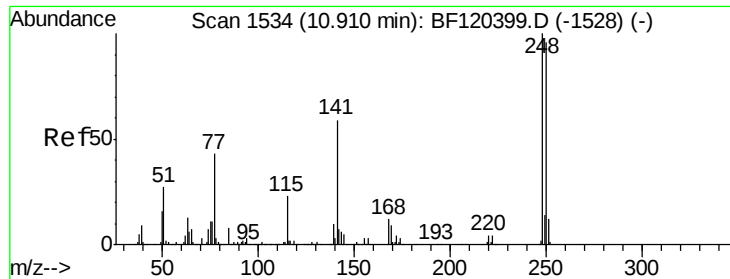


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

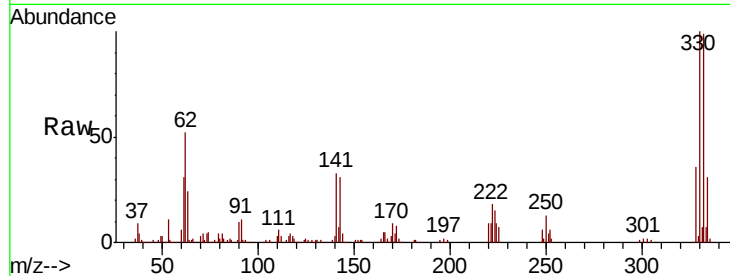




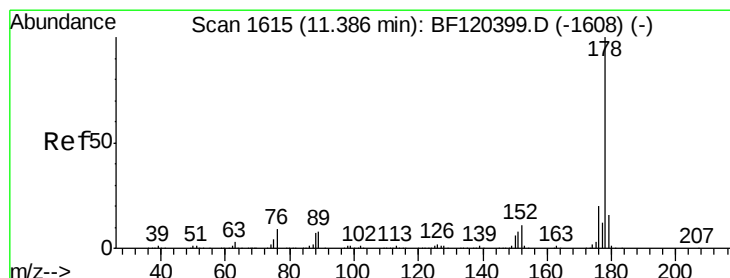
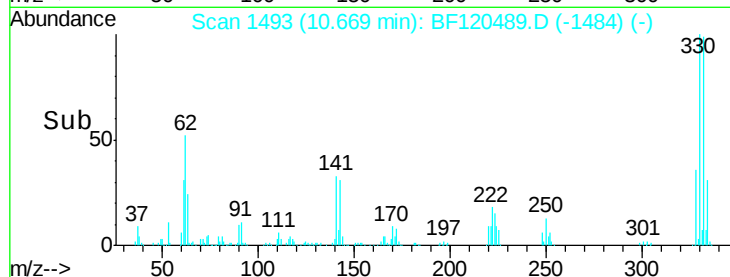
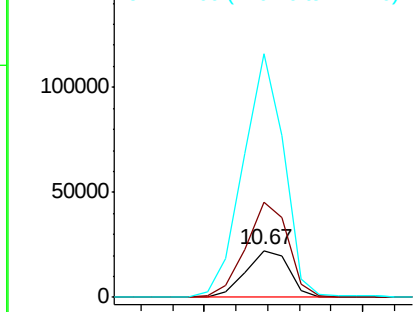
#67
 4-Bromophenyl-phenylether
 Concen: 3.119 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.25 min
 Lab File: BF120489.D
 Acq: 2 Jun 2020 12:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 21026
 Ion Ratio Lower Upper
 248 100
 250 203.7 77.8 116.6#
 141 521.6 54.8 82.2#

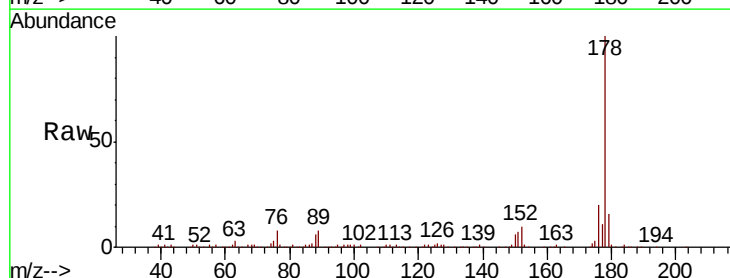


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

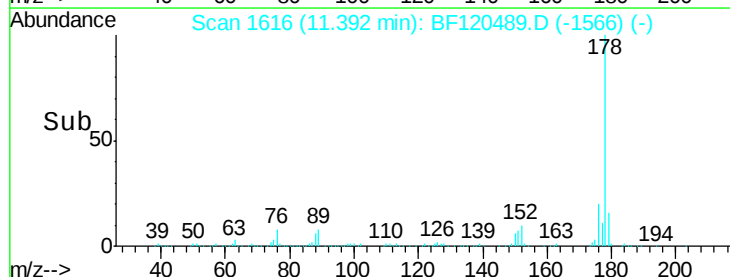
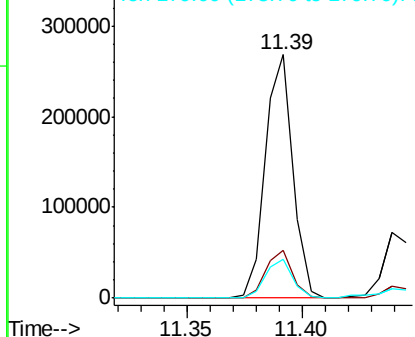


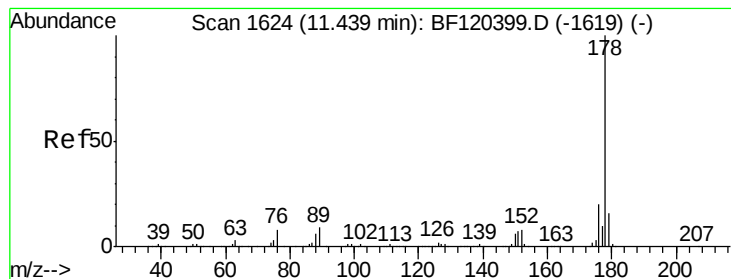
#71
 Phenanthrene
 Concen: 7.568 ng
 RT: 11.39 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120489.D
 Acq: 2 Jun 2020 12:40

Tgt Ion:178 Resp: 222703
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.2
 179 15.7 12.8 19.2



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





#72

Anthracene

Concen: 2.001 ng

RT: 11.44 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BF120489.D

Acq: 2 Jun 2020 12:40

Instrument :

BNA_F

ClientSampleId :

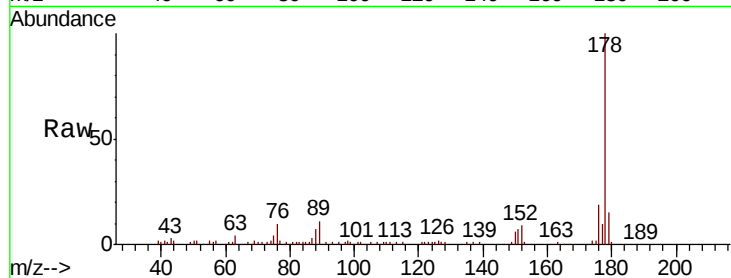
Tot Ion:178 Resp: 59094

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

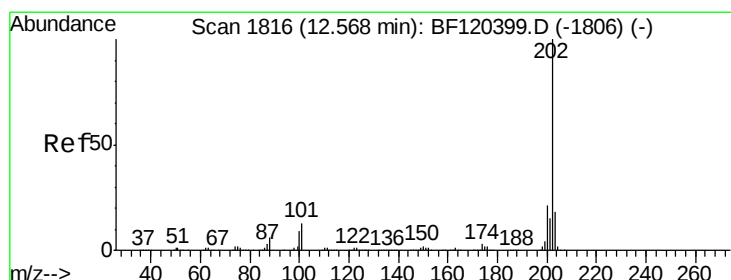
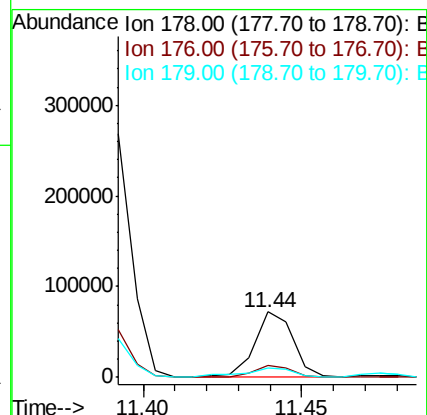
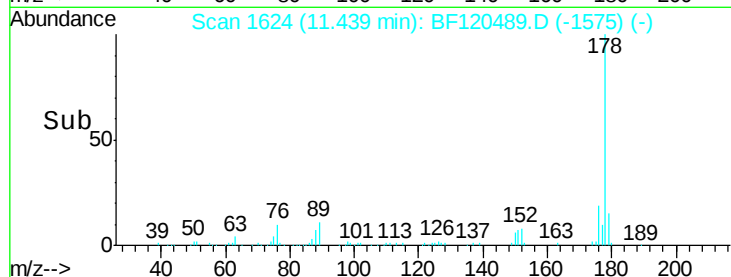
179 14.7 12.7 19.1



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: 14.004 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF120489.D

Acq: 2 Jun 2020 12:40

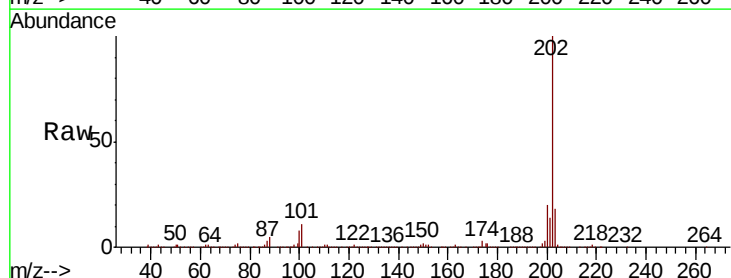
Tgt Ion:202 Resp: 443434

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.4

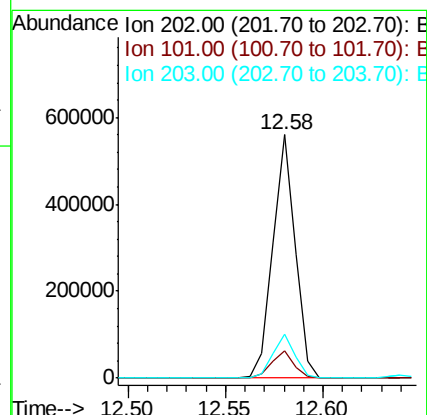
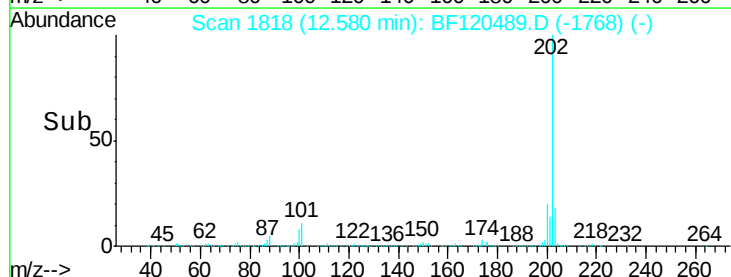
203 17.8 0.0 38.8

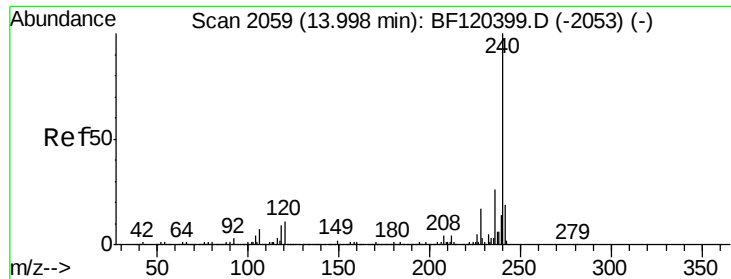


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

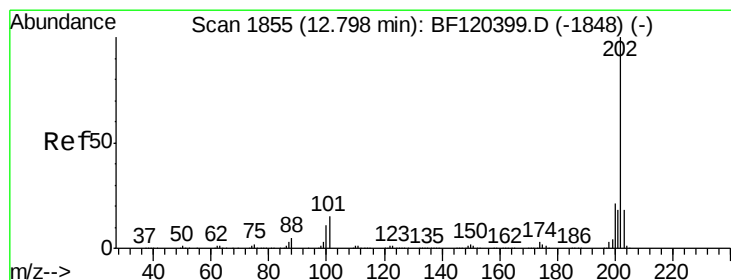
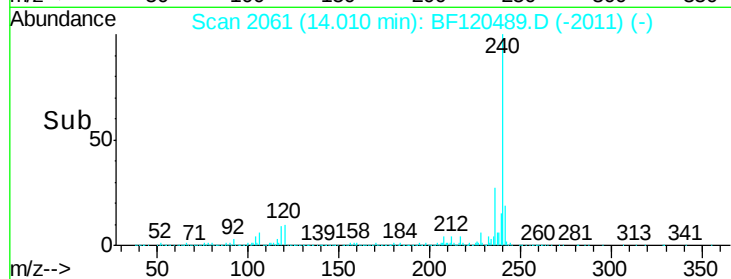
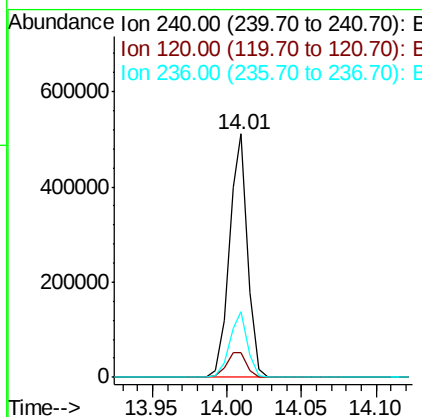
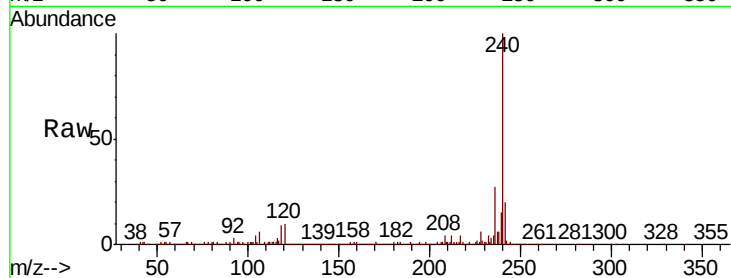




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BF120489.D
Acq: 2 Jun 2020 12:40

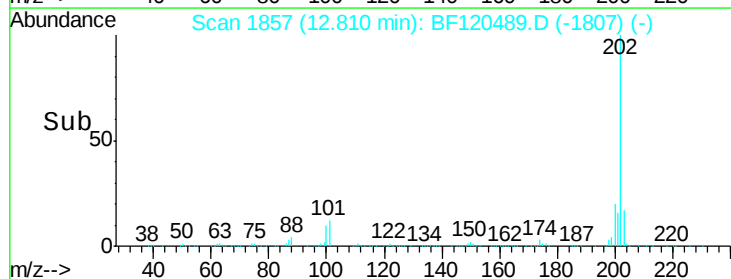
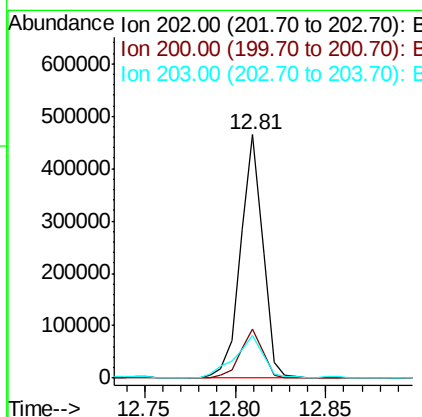
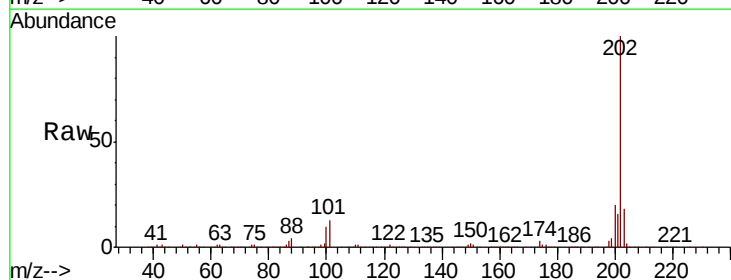
Instrument :
BNA_F
ClientSampleId :

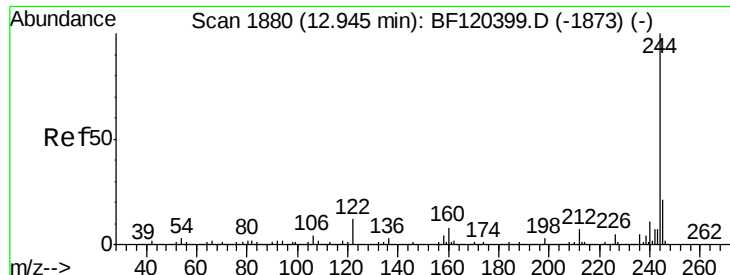
Tot Ion:240 Resp: 440047
Ion Ratio Lower Upper
240 100
120 10.4 9.9 14.9
236 26.8 21.0 31.6



#78
Pyrene
Concen: 12.920 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF120489.D
Acq: 2 Jun 2020 12:40

Tgt Ion:202 Resp: 395394
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.6
203 17.6 14.6 22.0





#79

Terphenyl-d14

Concen: 71.046 ng

RT: 12.96 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BF120489.D

Acq: 2 Jun 2020 12:40

Instrument :

BNA_F

ClientSampleId :

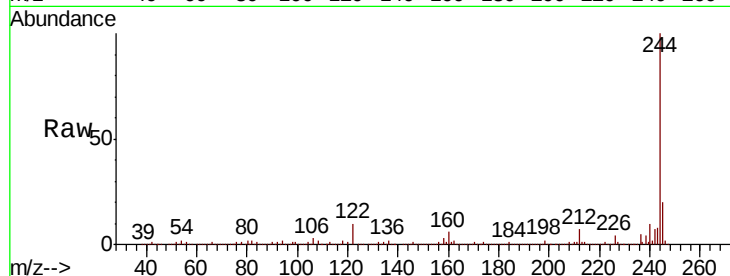
Tot Ion:244 Resp: 1404952

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

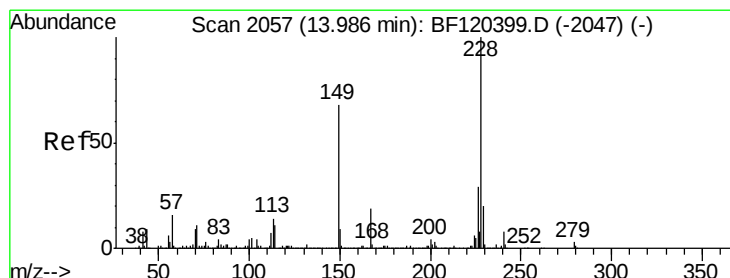
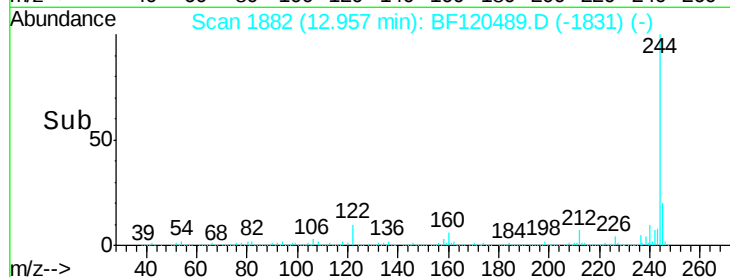
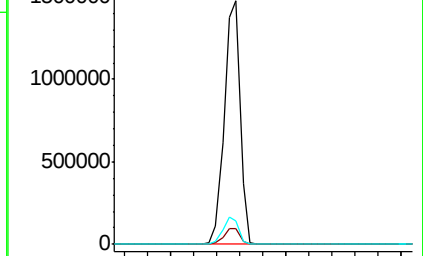
122 9.9 8.7 13.1



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: 8.955 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120489.D

Acq: 2 Jun 2020 12:40

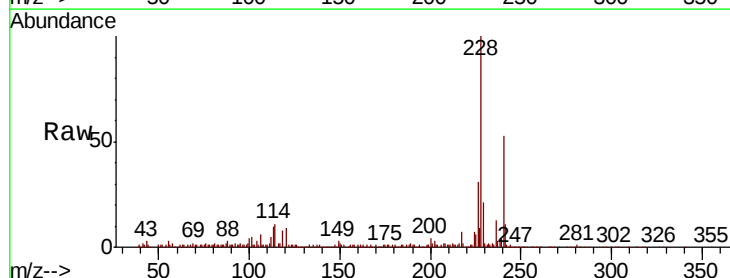
Tgt Ion:228 Resp: 211188

Ion Ratio Lower Upper

228 100

226 31.1 22.9 34.3

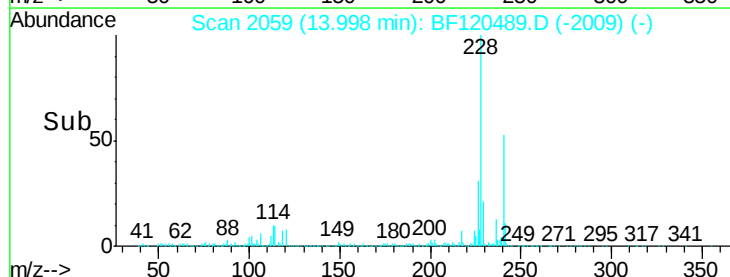
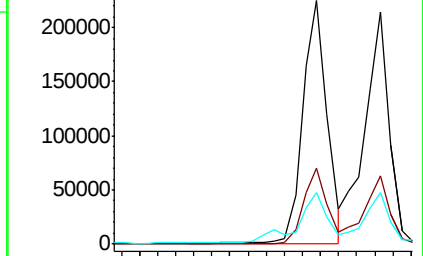
229 21.2 16.3 24.5

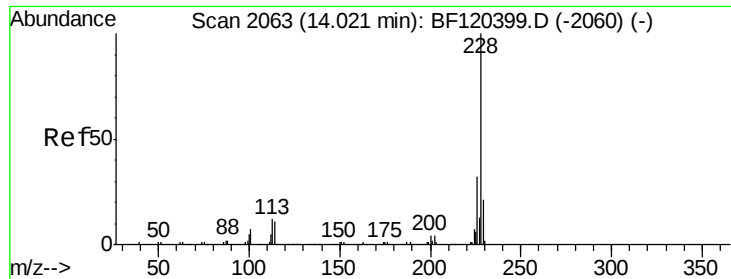


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

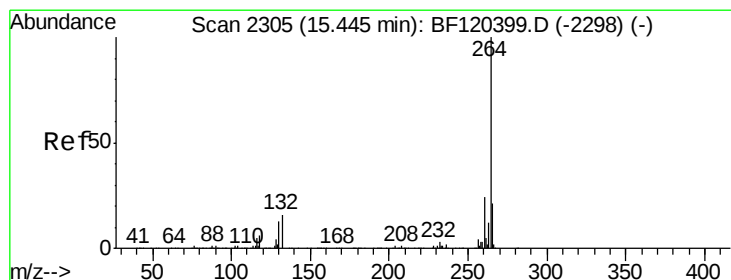
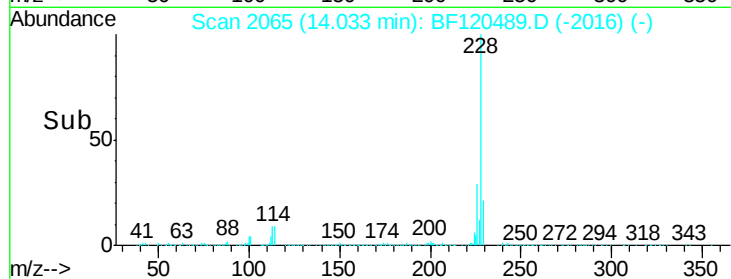
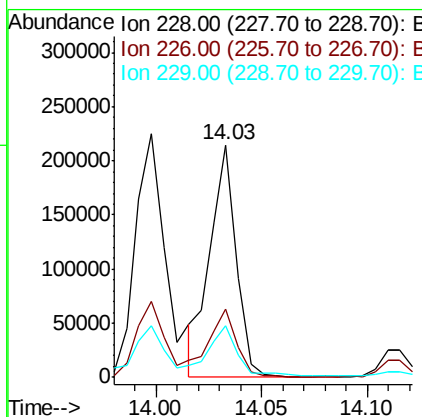
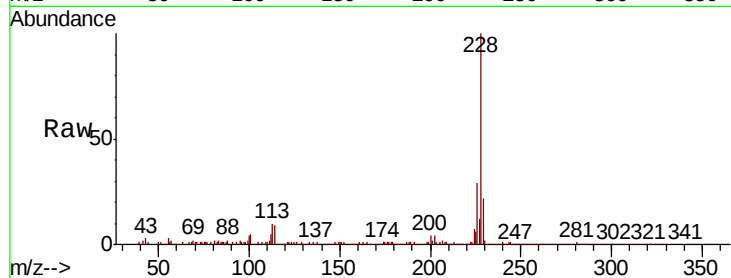




#83
Chrysene
Concen: 7.484 ng
RT: 14.03 min Scan# 2065
Delta R.T. -0.01 min
Lab File: BF120489.D
Acq: 2 Jun 2020 12:40

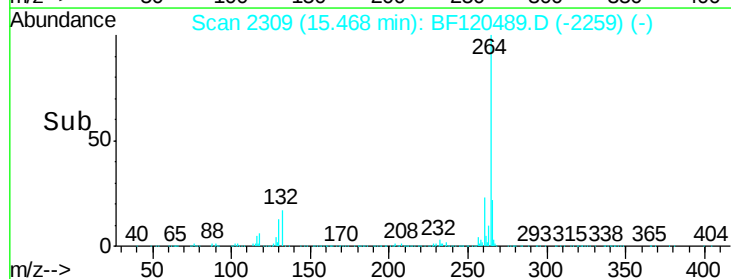
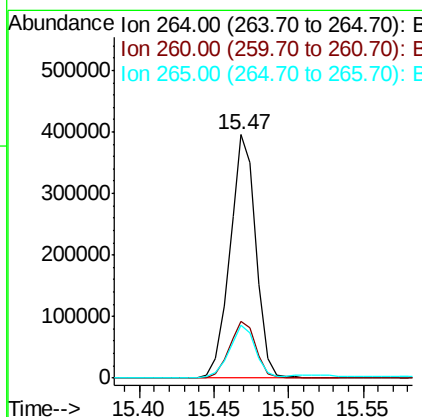
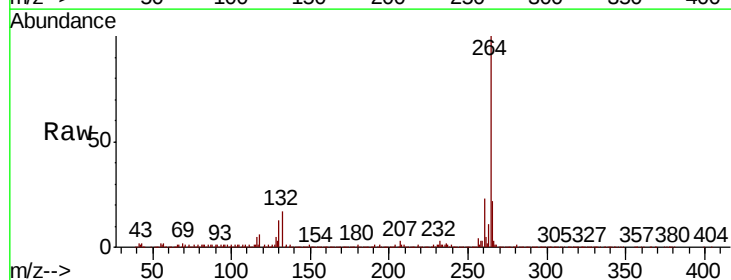
Instrument :
BNA_F
ClientSampled :

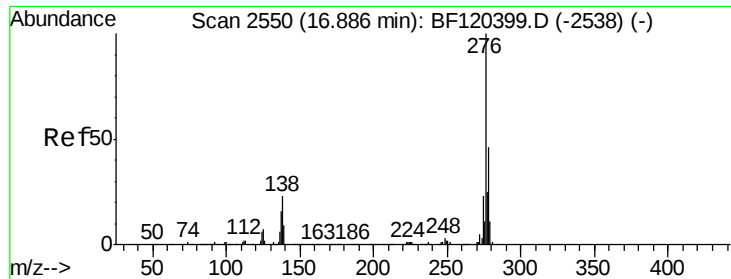
Tot Ion:228 Resp: 185054
Ion Ratio Lower Upper
228 100
226 29.4 25.7 38.5
229 22.2 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2309
Delta R.T. -0.01 min
Lab File: BF120489.D
Acq: 2 Jun 2020 12:40

Tgt Ion:264 Resp: 478747
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.9 17.6 26.4

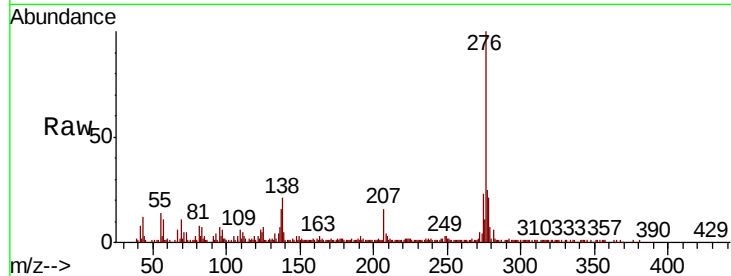




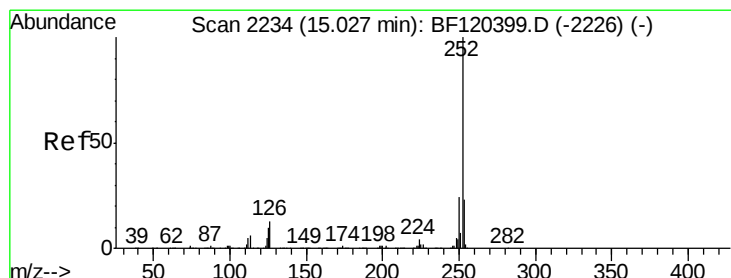
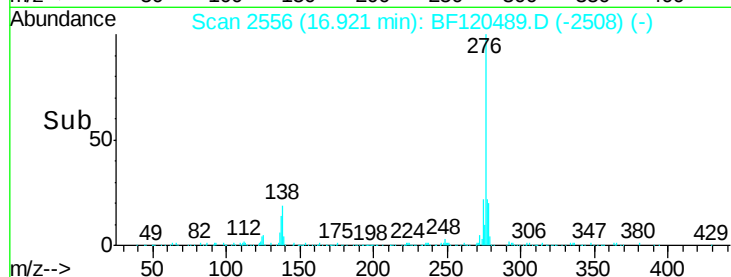
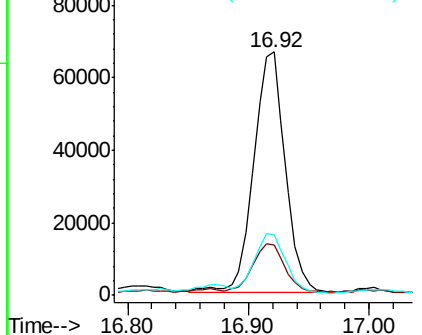
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.658 ng
 RT: 16.92 min Scan# 2556
 Delta R.T. -0.02 min
 Lab File: BF120489.D
 Acq: 2 Jun 2020 12:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.3	28.9
277	25.1	20.7	31.1

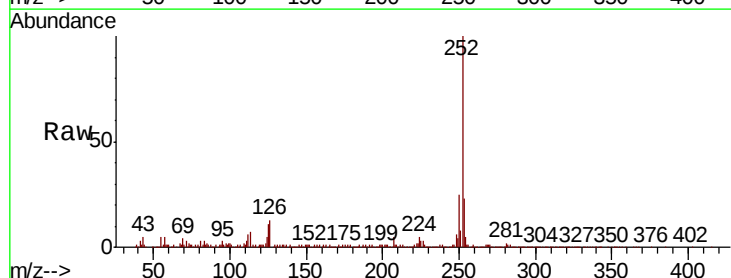


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

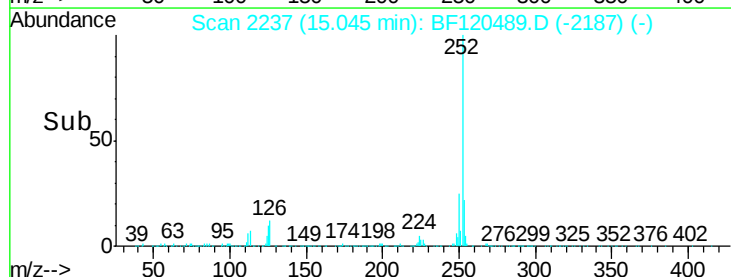
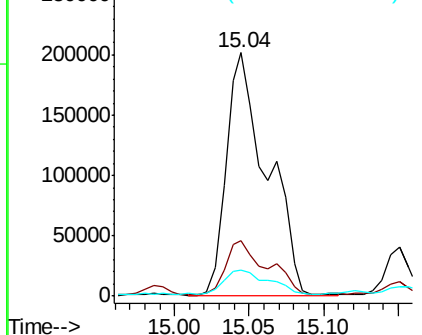


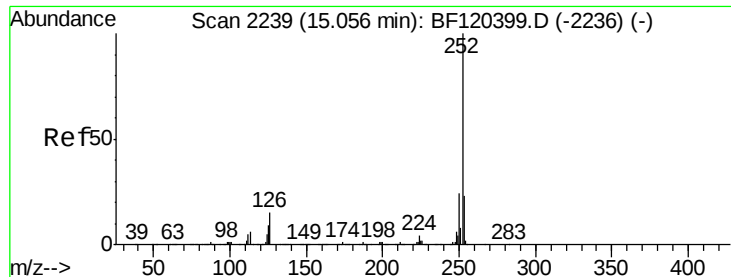
#88
 Benzo(b)fluoranthene
 Concen: 14.364 ng
 RT: 15.04 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF120489.D
 Acq: 2 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	10.9	8.2	12.4



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

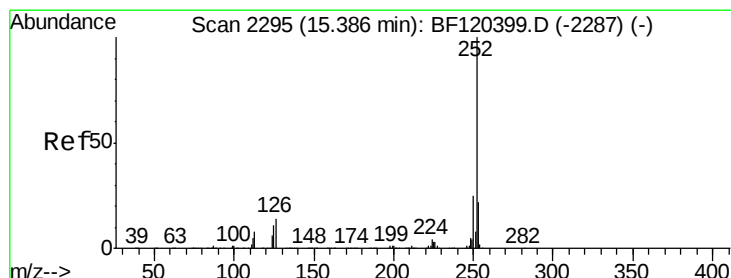
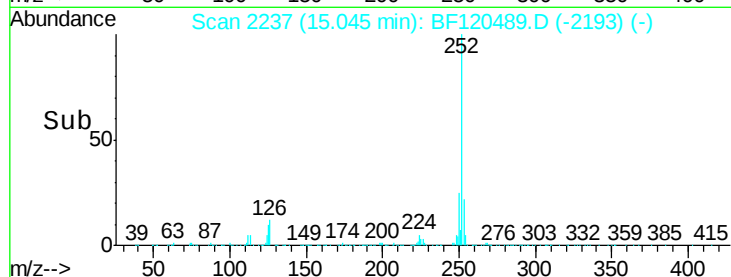
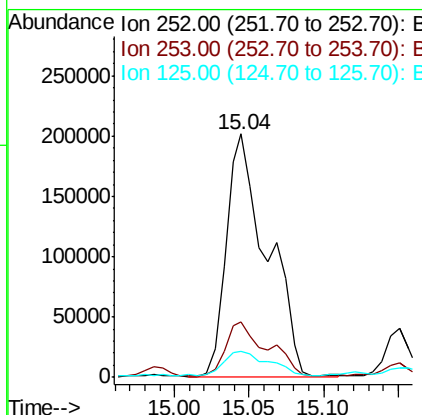
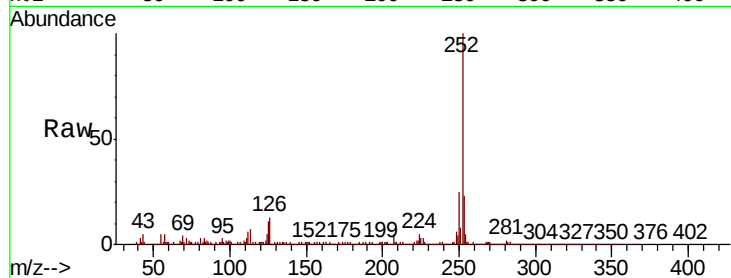




#89
Benzo(k)fluoranthene
Concen: 15.386 ng
RT: 15.04 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF120489.D
Acq: 2 Jun 2020 12:40

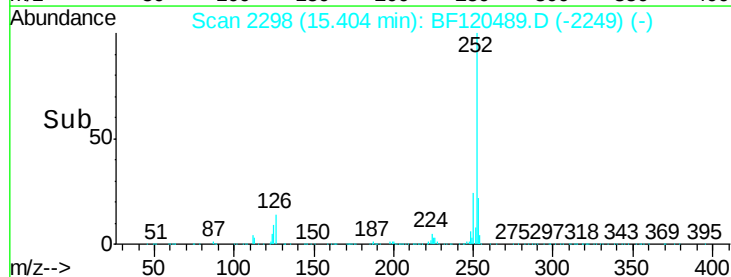
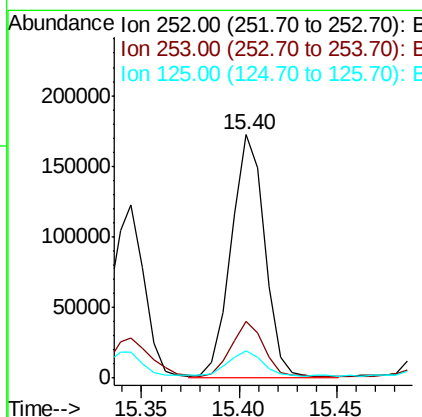
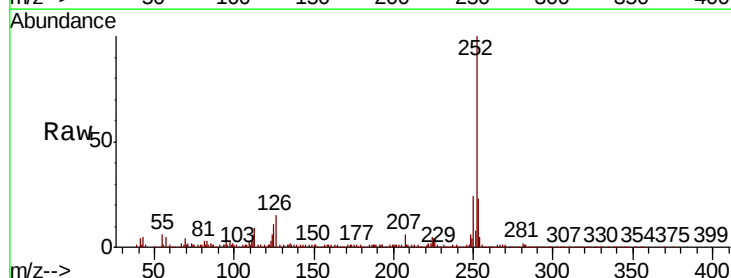
Instrument :
BNA_F
ClientSampleId :

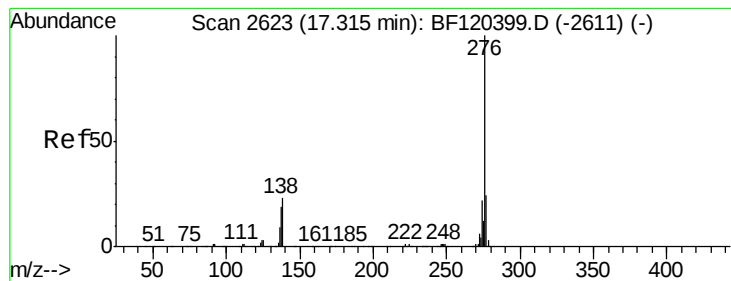
Tot Ion:252 Resp: 381941
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 10.9 7.1 10.7#



#90
Benzo(a)pyrene
Concen: 8.737 ng
RT: 15.40 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BF120489.D
Acq: 2 Jun 2020 12:40

Tgt Ion:252 Resp: 203222
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 11.4 9.0 13.4





#92

Benzo(a,h,i)perylene

Concen: 5.350 ng

RT: 17.36 min Scan# 2630

Delta R.T. -0.02 min

Lab File: BF120489.D

Acq: 2 Jun 2020 12:40

Instrument :

BNA_F

ClientSampleId :

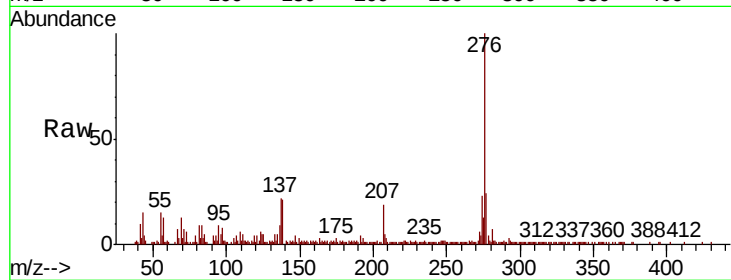
Tot Ion: 276 Resp: 112640

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 21.4 16.8 25.2



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

