

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119611.D
 Acq On : 28 Mar 2020 12:42
 Operator : CG/JU
 Sample : L1753-09 5X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520

Quant Time: Mar 29 23:17:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

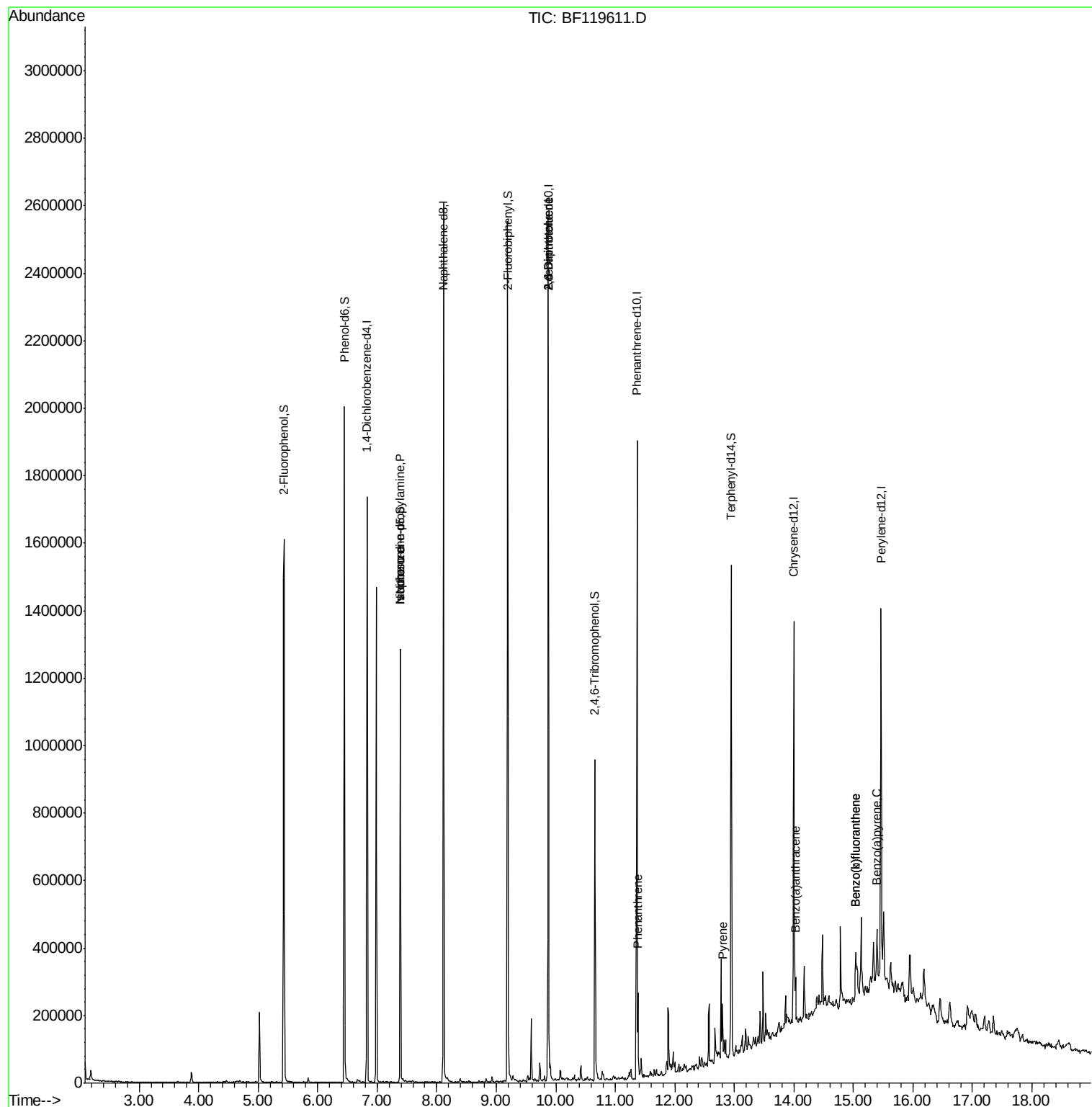
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	272422	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1034184	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	477962	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	735496	20.00	ng	0.00
76) Chrysene-d12	14.00	240	421204	20.00	ng	-0.01
87) Perylene-d12	15.46	264	536483	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	416288	24.33	ng	0.00
7) Phenol-d6	6.45	99	580678	26.56	ng	-0.02
23) Nitrobenzene-d5	7.39	82	343753	18.06	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	105965	21.49	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	694350	21.52	ng	-0.01
79) Terphenyl-d14	12.94	244	495036	23.03	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	43542	3.30	ng	# 76
25) Isophorone	7.39	82	339209	8.79	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	63329	8.70	ng	# 27
57) 2,4-Dinitrotoluene	9.87	165	63329	6.91	ng	# 20
71) Phenanthrene	11.39	178	85379	2.24	ng	98
78) Pyrene	12.80	202	71128	2.06	ng	93
81) Benzo(a)anthracene	14.03	228	55516	2.03	ng	95
88) Benzo(b)fluoranthene	15.04	252	114769	3.20	ng	# 90
89) Benzo(k)fluoranthene	15.04	252	114769	3.36	ng	# 91
90) Benzo(a)pyrene	15.40	252	74973	2.30	ng	# 94

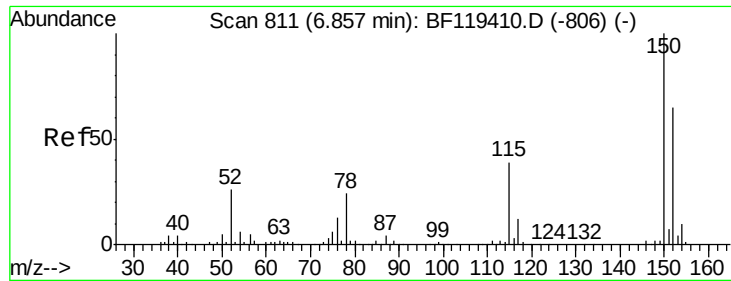
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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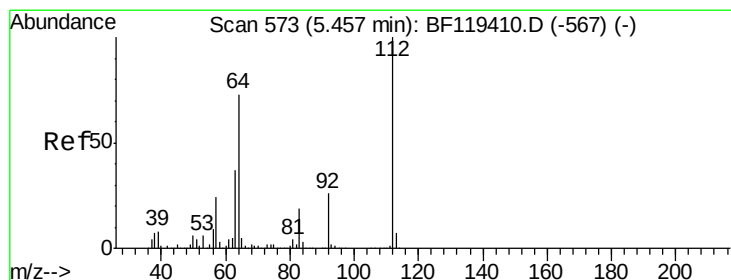
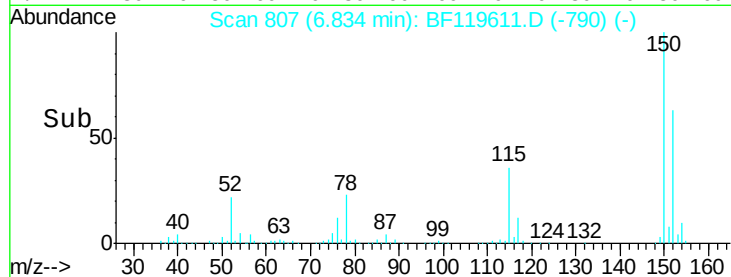
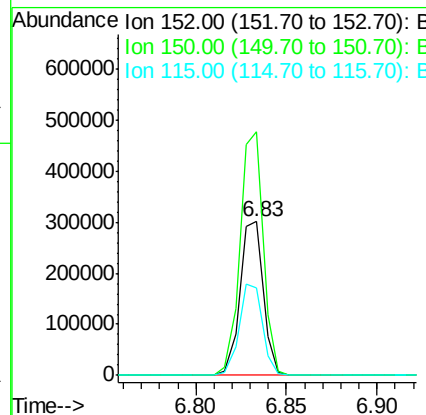
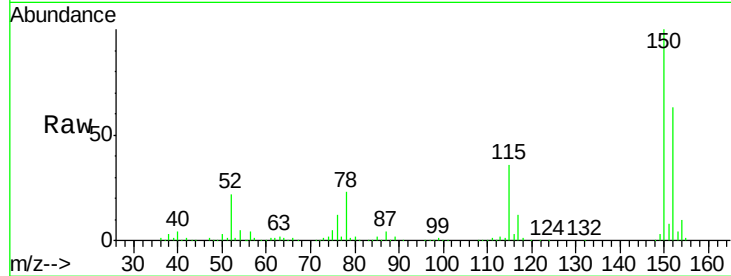


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Instrument :
BNA_F
ClientSampleId :
CL-02-032520

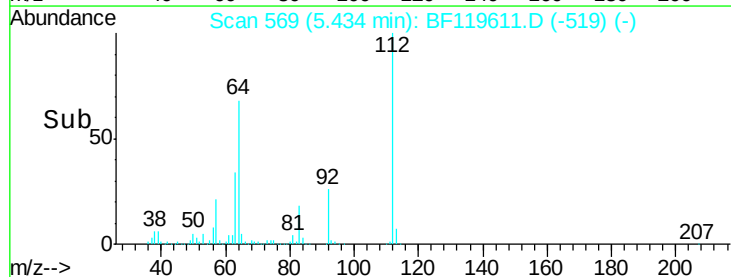
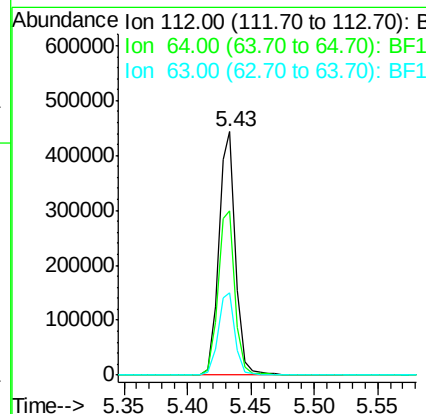
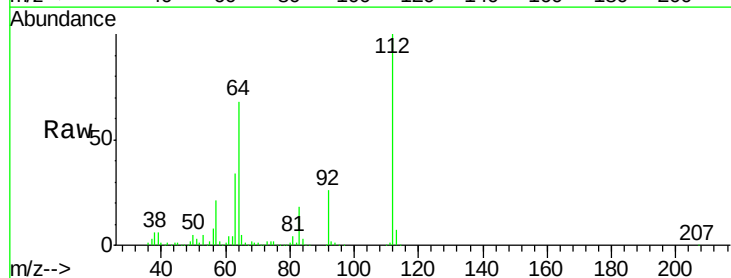
Tgt Ion:152 Resp: 272422
Ion Ratio Lower Upper
152 100
150 158.2 124.5 186.7
115 56.8 49.6 74.4

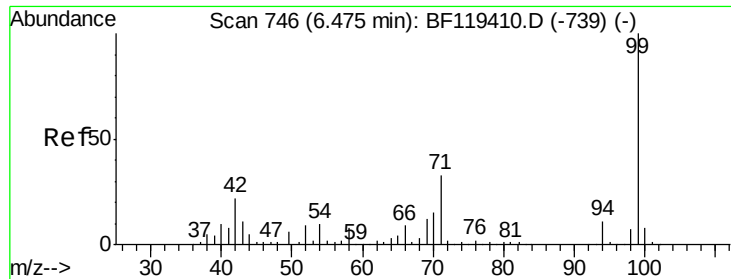


#5

2-Fluorophenol
Concen: 24.33 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Tgt Ion:112 Resp: 416288
Ion Ratio Lower Upper
112 100
64 67.6 56.7 85.1
63 34.0 29.5 44.3





#7

Phenol-d6

Concen: 26.56 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Instrument :

BNA_F

ClientSampleId :

CL-02-032520

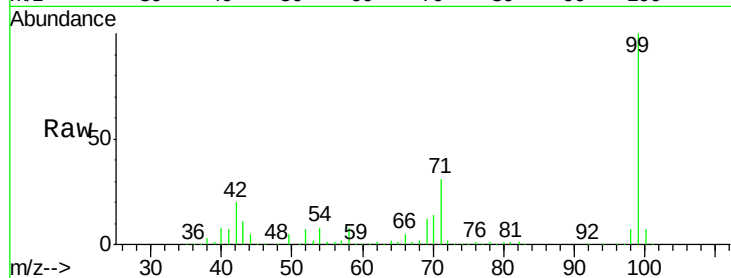
Tgt Ion: 99 Resp: 580678

Ion Ratio Lower Upper

99 100

42 19.5 16.6 24.8

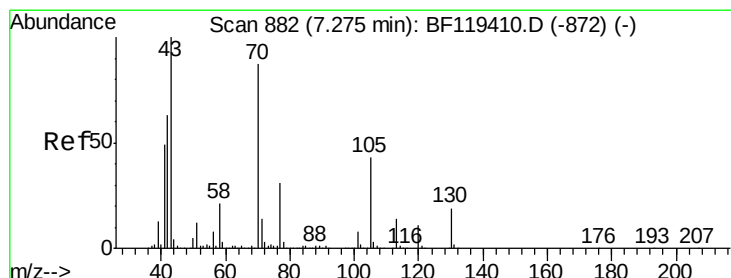
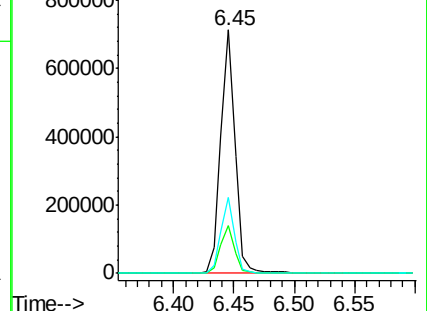
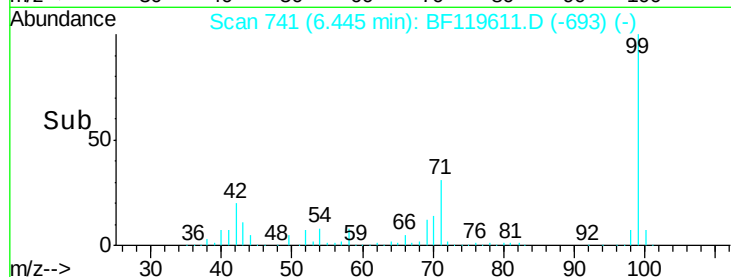
71 31.0 26.4 39.6



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: 3.30 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.13 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Tgt Ion: 70 Resp: 43542

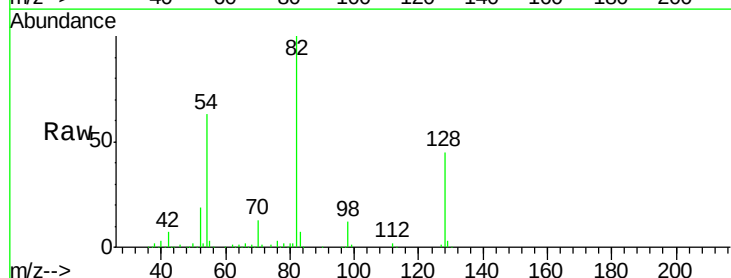
Ion Ratio Lower Upper

70 100

42 53.1 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#

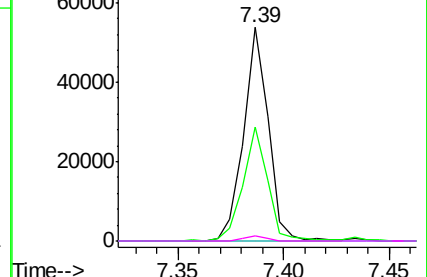
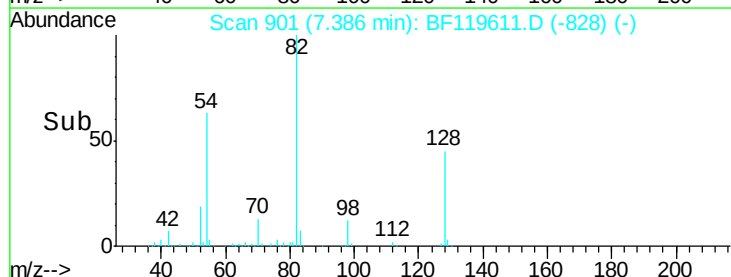


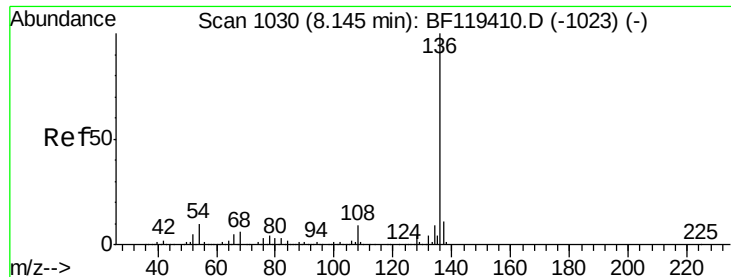
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

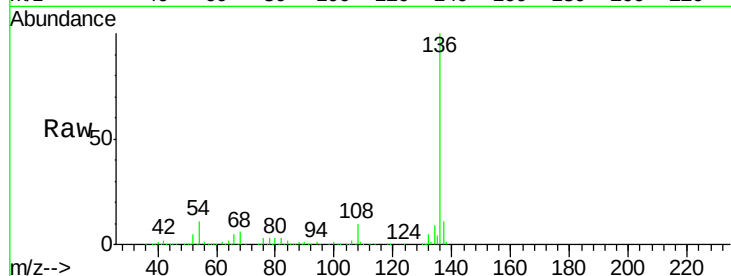




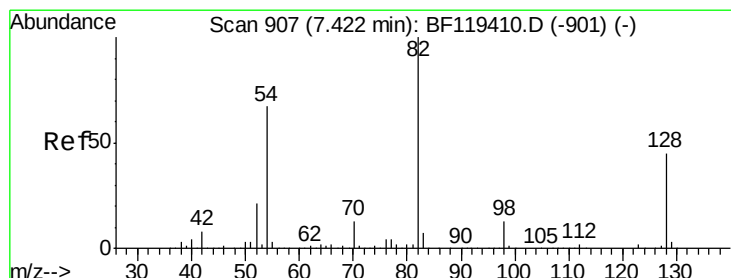
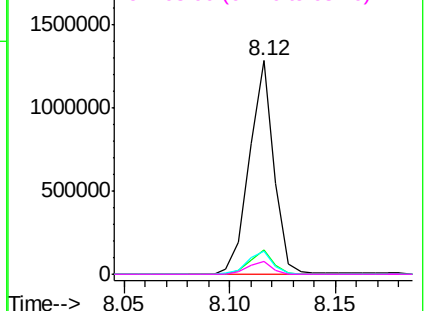
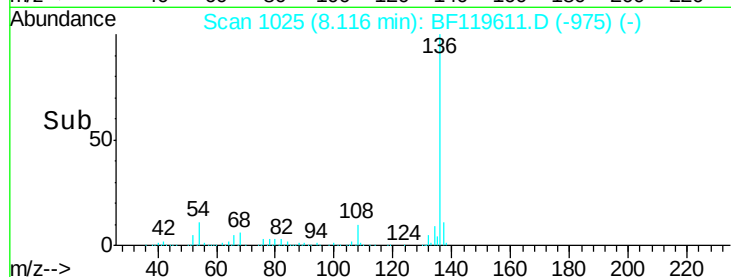
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Instrument :
BNA_F
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CL-02-032520

Tgt Ion:	136	Resp:	1034184
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	11.0	9.1	13.7
68	6.2	4.6	6.8

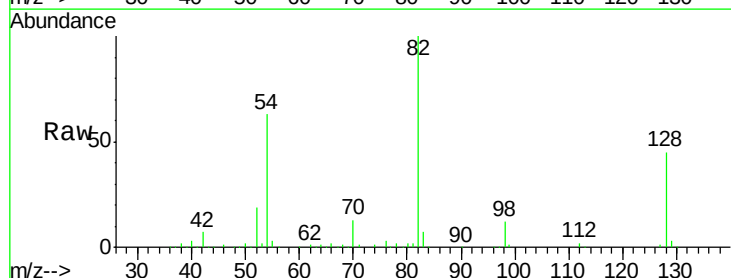


Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

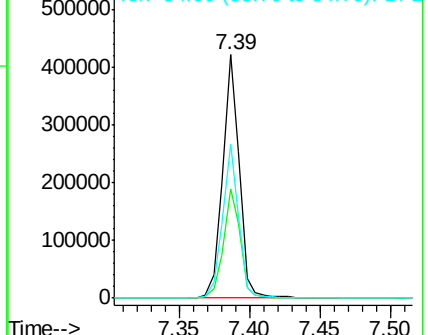
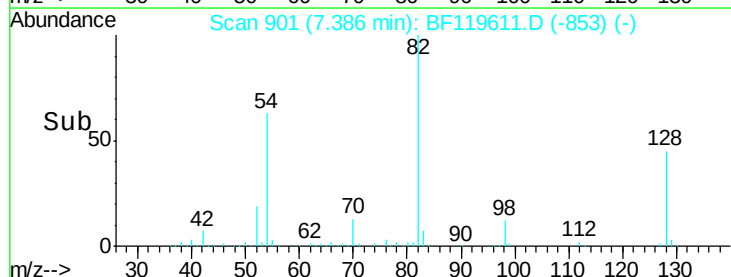


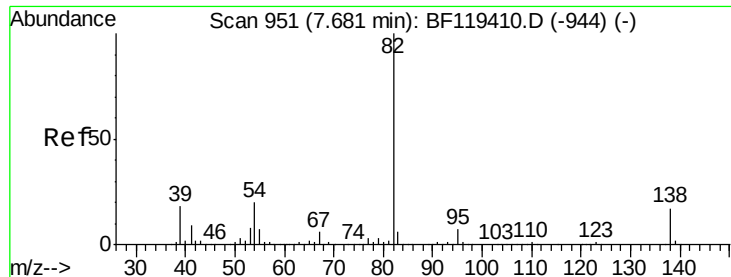
#23
Nitrobenzene-d5
Concen: 18.06 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Tgt Ion:	82	Resp:	343753
Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.3	54.5
54	63.4	50.6	75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1
500000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

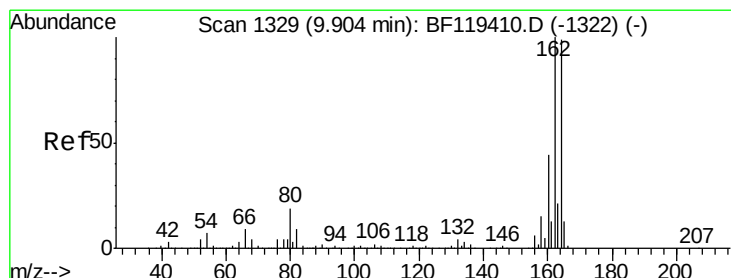
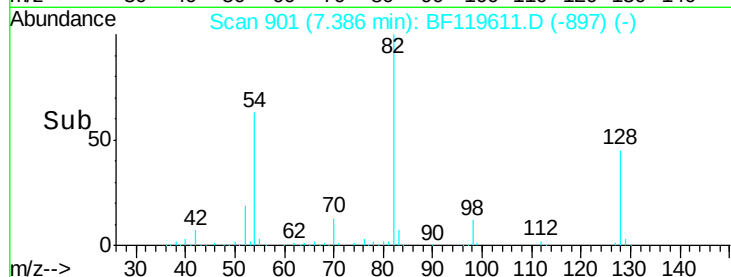
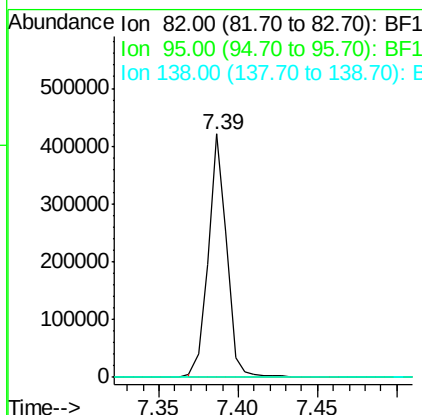
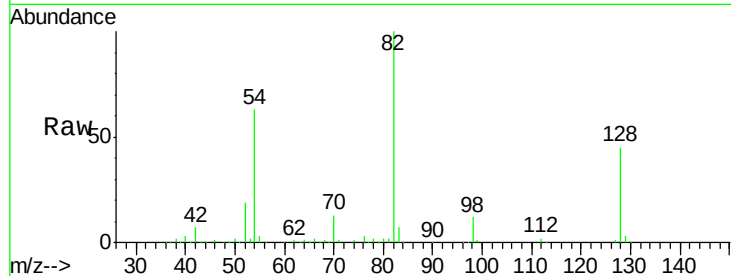




#25
Isophorone
Concen: 8.79 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.28 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

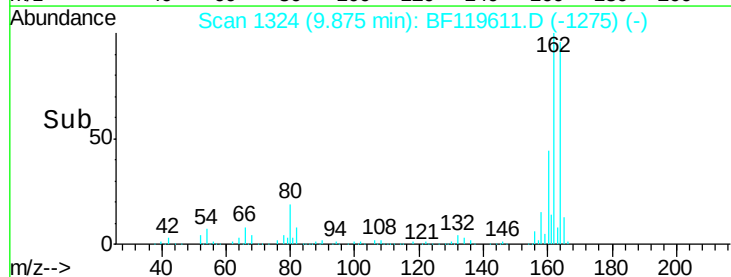
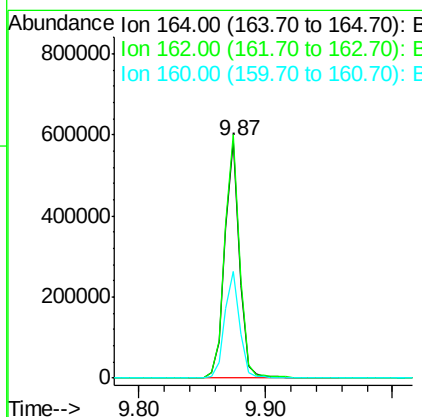
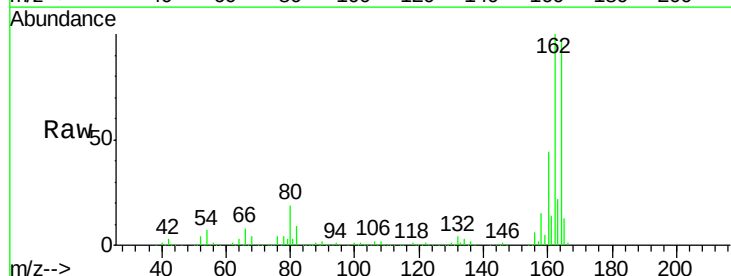
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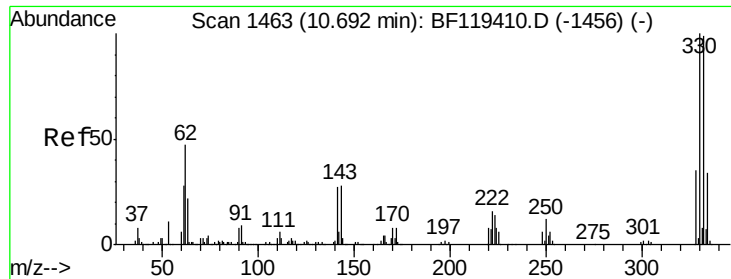
Tgt Ion: 82 Resp: 339209
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Tgt Ion: 164 Resp: 477962
Ion Ratio Lower Upper
164 100
162 102.6 80.6 121.0
160 44.9 35.7 53.5

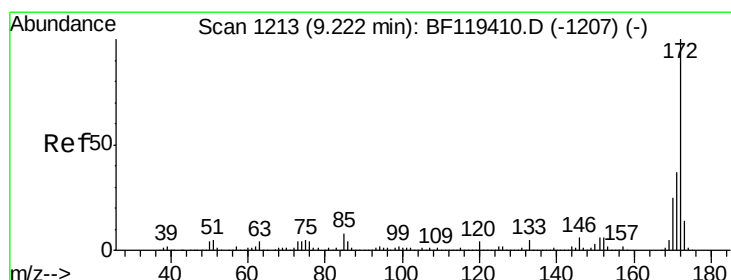
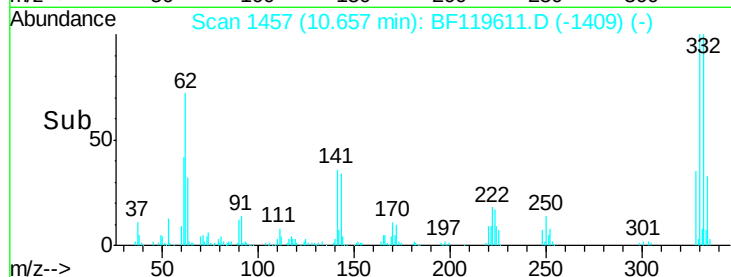
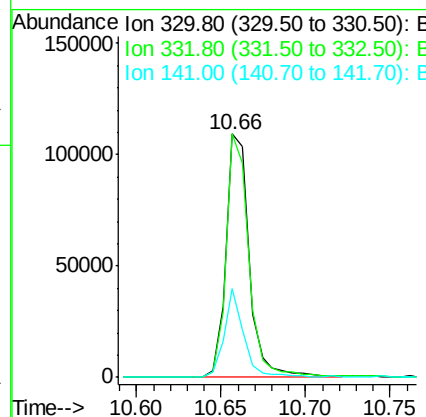
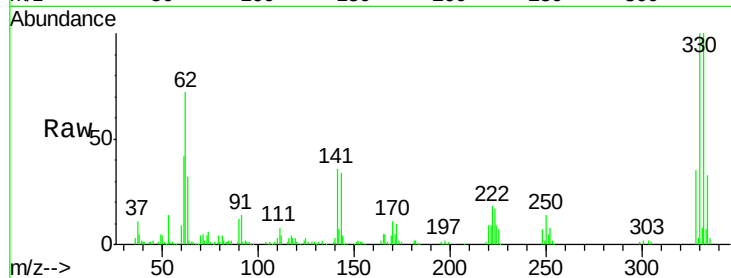




#42
 2,4,6-Tribromophenol
 Concen: 21.49 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF119611.D
 Acq: 28 Mar 2020 12:42

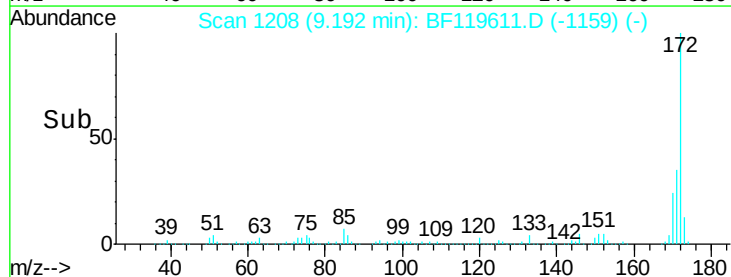
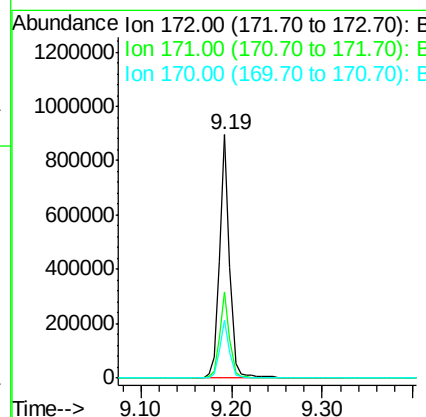
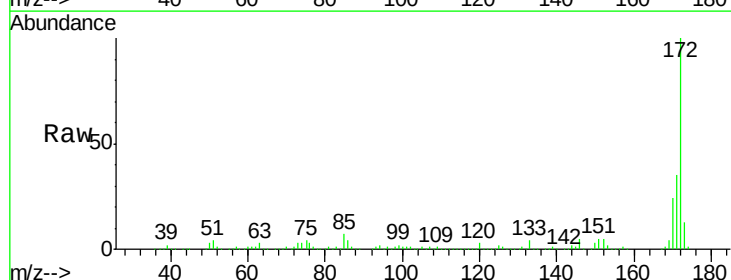
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 ClientSampleId :
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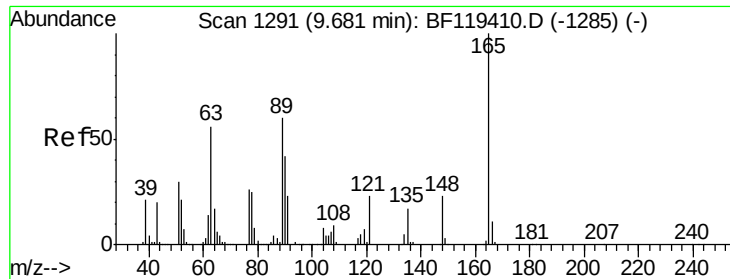
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	75.7	113.5
141	30.7	25.4	38.0



#45
 2-Fluorobiphenyl
 Concen: 21.52 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF119611.D
 Acq: 28 Mar 2020 12:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	24.0	20.2	30.2

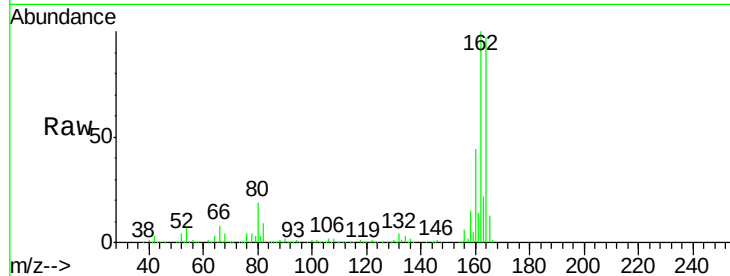




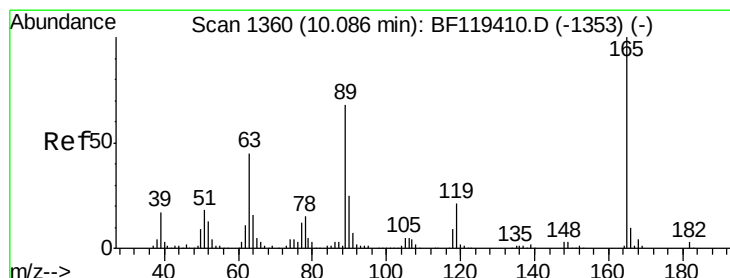
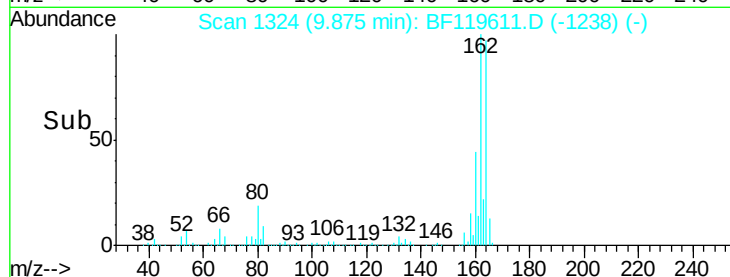
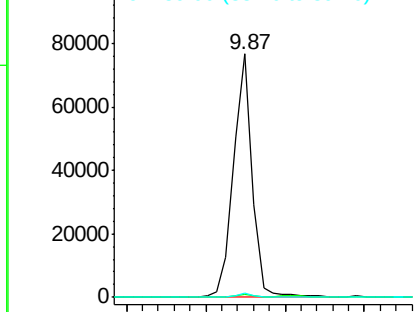
#51
2,6-Dinitrotoluene
Concen: 8.70 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Instrument :
BNA_F
ClientSampleId :
CL-02-032520

Tgt Ion:165 Resp: 63329
Ion Ratio Lower Upper
165 100
63 1.3 45.0 67.4#
89 1.8 41.5 62.3#



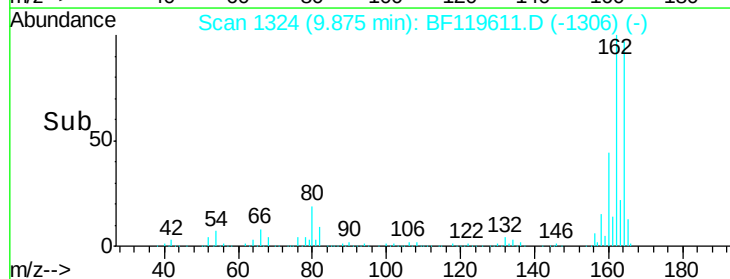
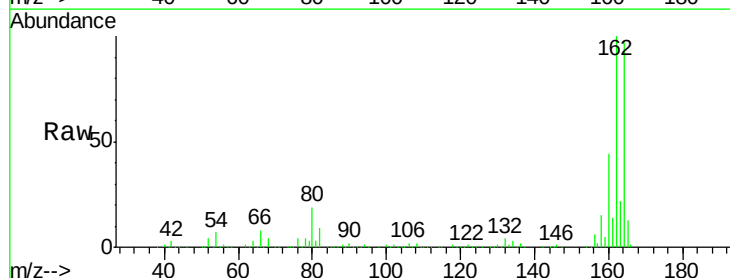
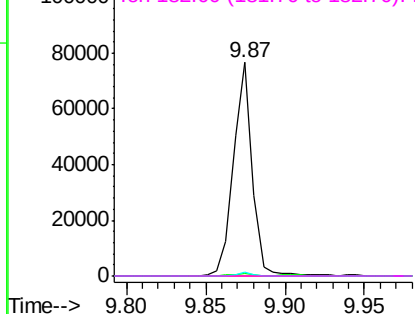
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

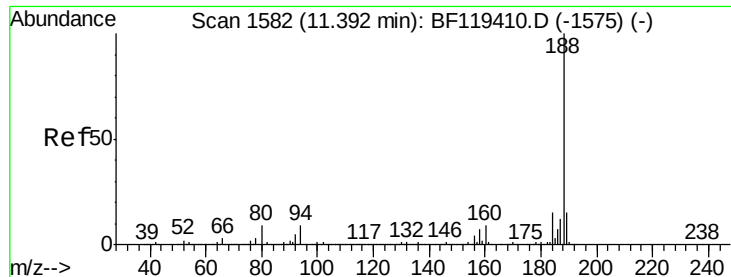


#57
2,4-Dinitrotoluene
Concen: 6.91 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Tgt Ion:165 Resp: 63329
Ion Ratio Lower Upper
165 100
63 1.3 42.6 64.0#
89 1.8 61.0 91.4#
182 0.0 2.2 3.2#

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

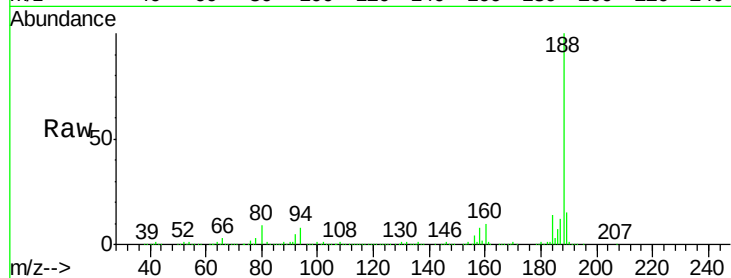




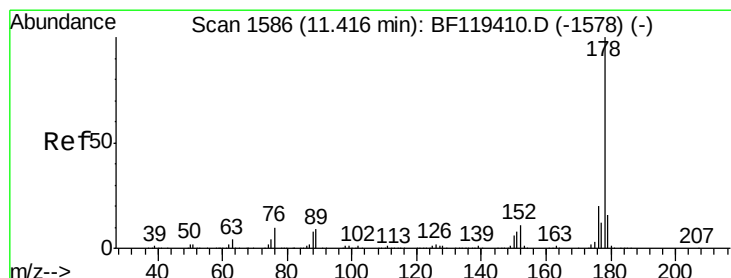
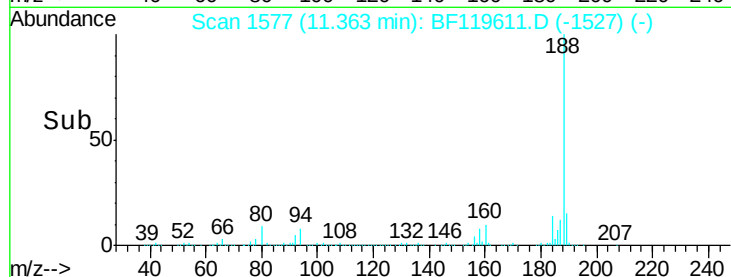
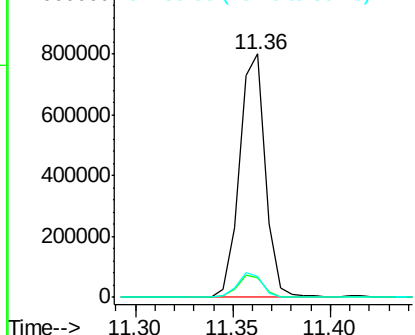
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Instrument :
BNA_F
ClientSampleId :
CL-02-032520

Tgt Ion:188 Resp: 735496
Ion Ratio Lower Upper
188 100
94 8.2 7.5 11.3
80 8.6 9.0 13.4#

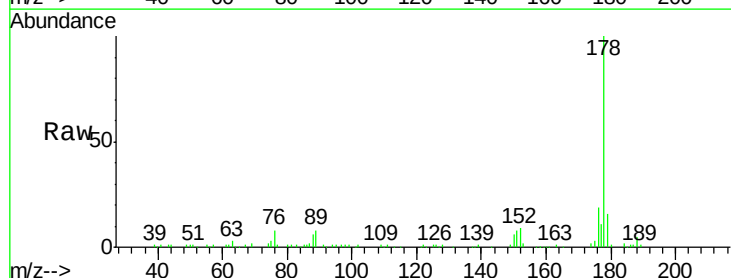


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

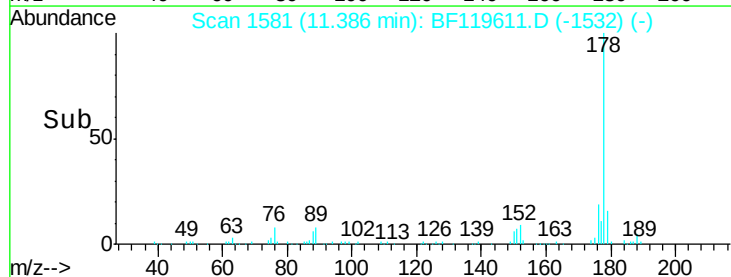
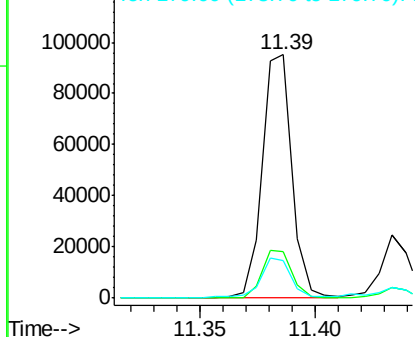


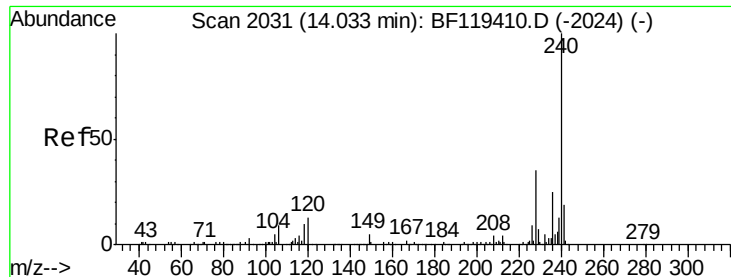
#71
Phenanthrene
Concen: 2.24 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Tgt Ion:178 Resp: 85379
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.6 13.2 19.8



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

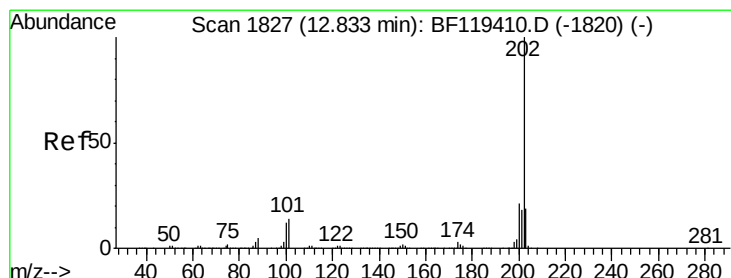
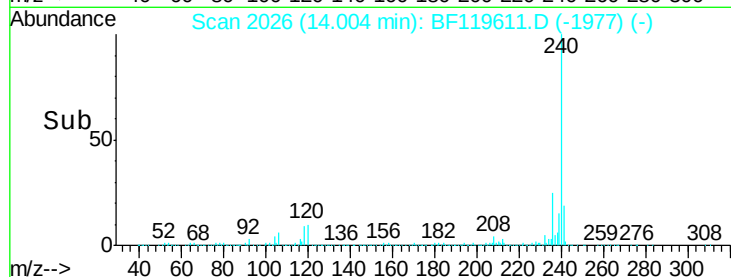
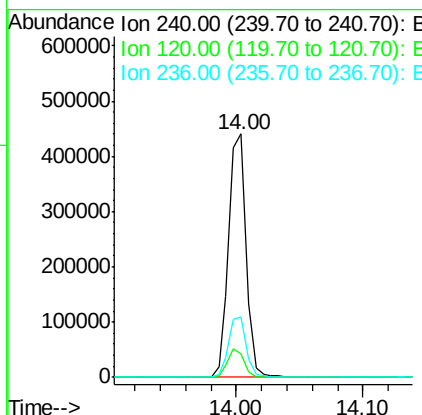
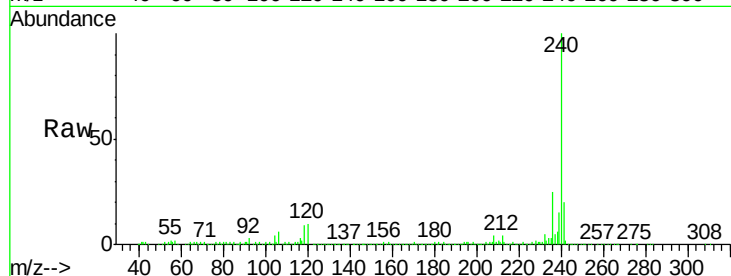




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

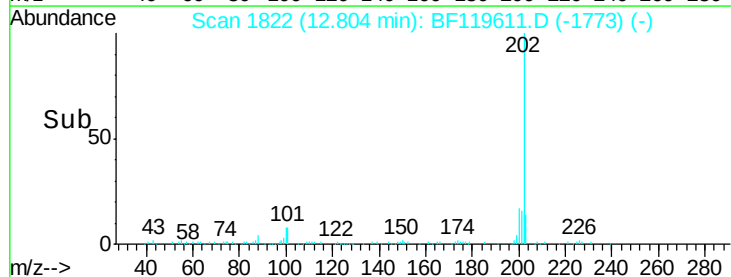
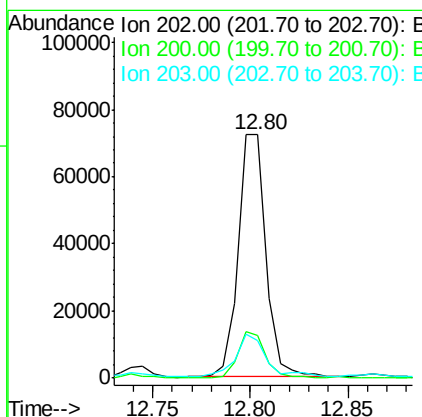
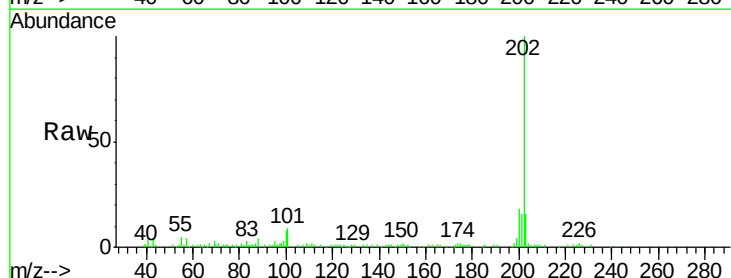
Instrument :
BNA_F
ClientSampleId :
CL-02-032520

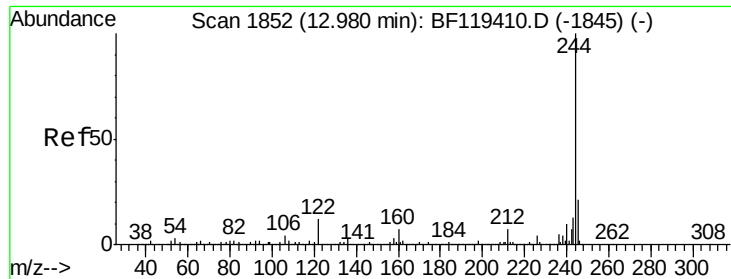
Tgt Ion:240 Resp: 421204
Ion Ratio Lower Upper
240 100
120 9.8 10.6 15.8#
236 25.0 20.2 30.2



#78
Pyrene
Concen: 2.06 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Tgt Ion:202 Resp: 71128
Ion Ratio Lower Upper
202 100
200 17.6 16.8 25.2
203 15.6 15.1 22.7

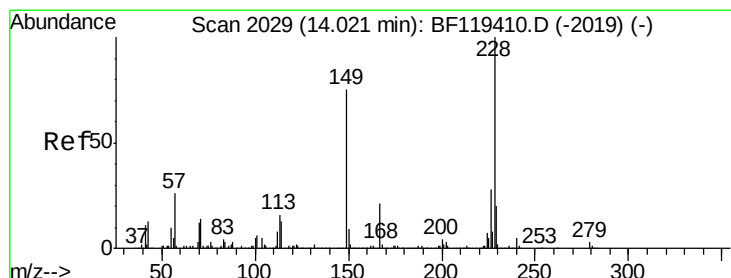
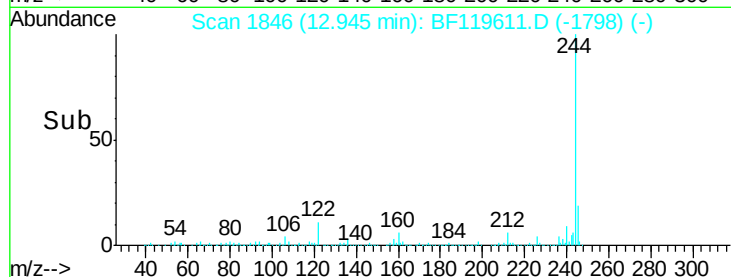
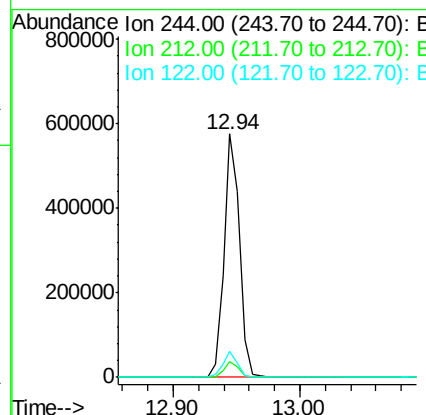
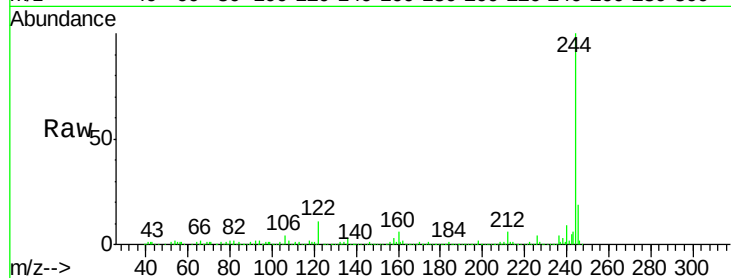




#79
 Terphenyl-d14
 Concen: 23.03 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: BF119611.D
 Acq: 28 Mar 2020 12:42

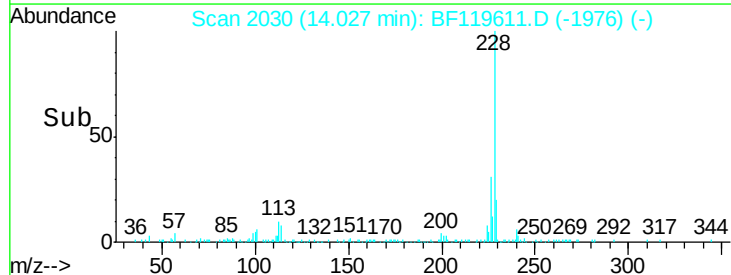
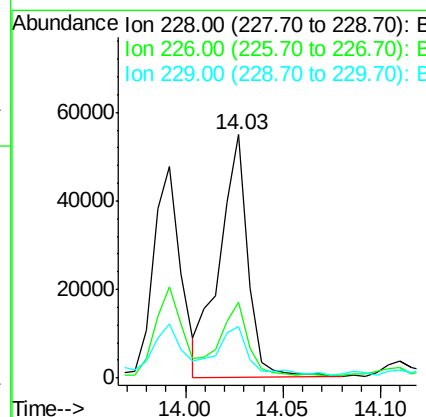
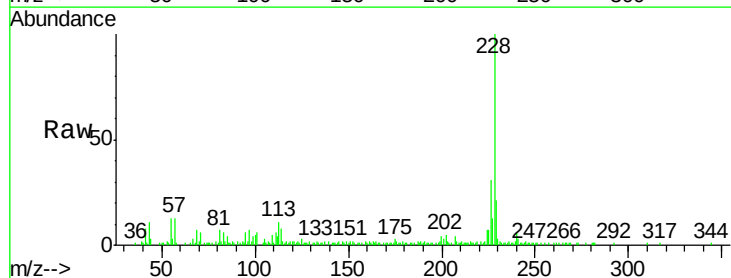
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520

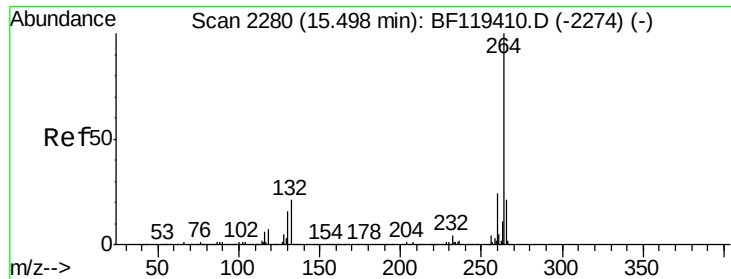
Tgt Ion:244 Resp: 495036
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.8 8.8
 122 10.8 10.3 15.5



#81
 Benzo(a)anthracene
 Concen: 2.03 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.02 min
 Lab File: BF119611.D
 Acq: 28 Mar 2020 12:42

Tgt Ion:228 Resp: 55516
 Ion Ratio Lower Upper
 228 100
 226 31.3 21.8 32.8
 229 21.4 16.2 24.4





#87

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.02 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

Instrument :

BNA_F

ClientSampleId :

CL-02-032520

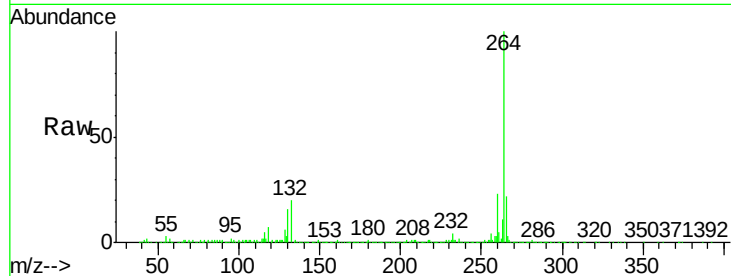
Tgt Ion:264 Resp: 536483

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

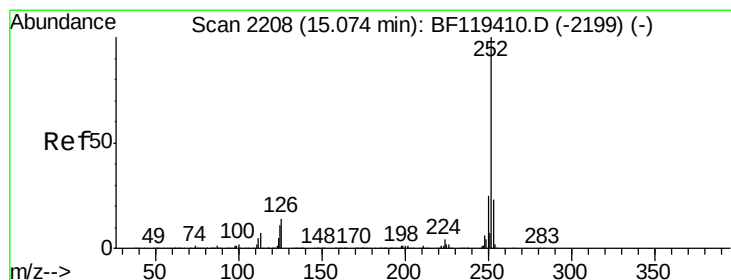
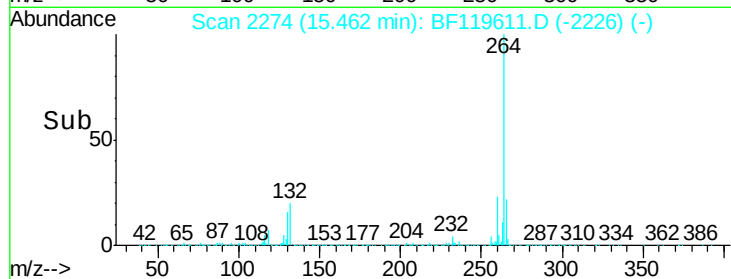
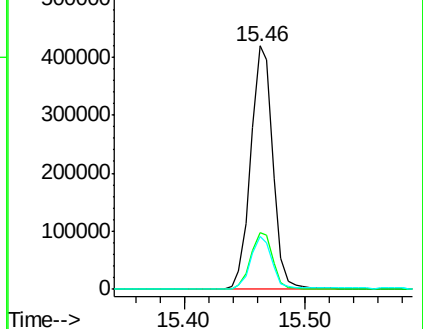
265 21.8 17.7 26.5



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: 3.20 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BF119611.D

Acq: 28 Mar 2020 12:42

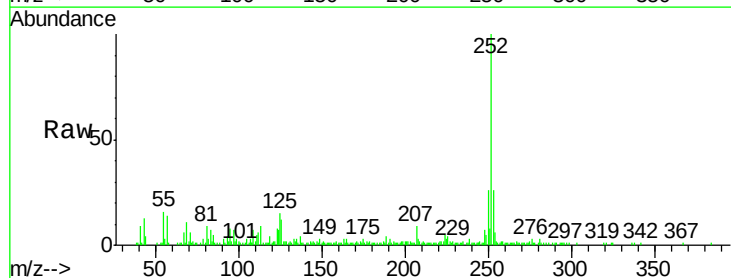
Tgt Ion:252 Resp: 114769

Ion Ratio Lower Upper

252 100

253 25.6 17.4 26.0

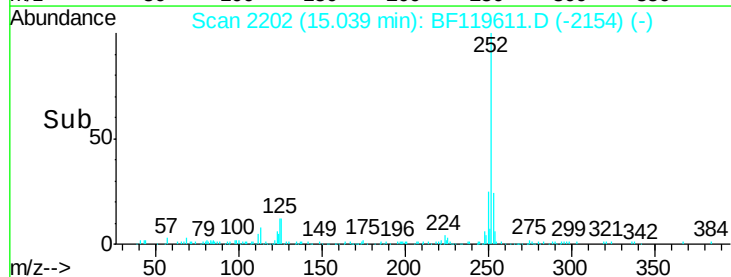
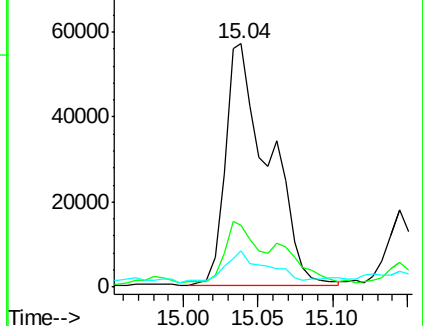
125 15.0 7.9 11.9#

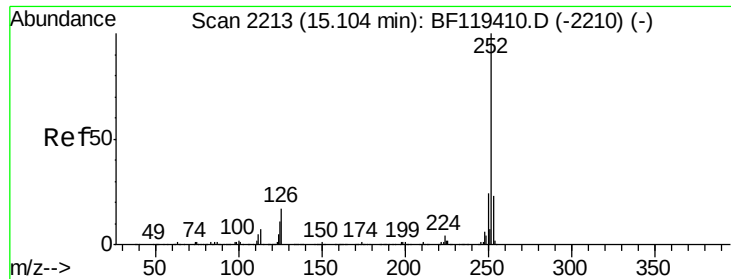


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

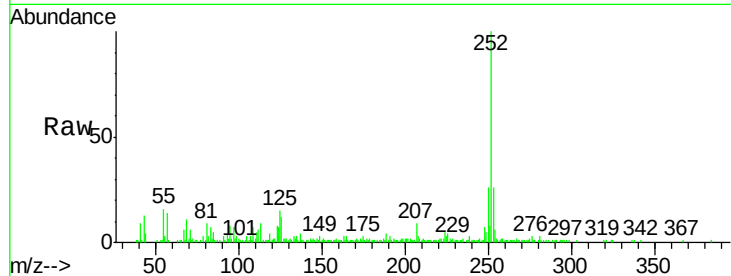




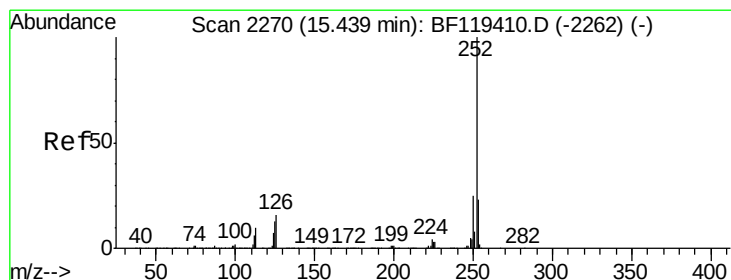
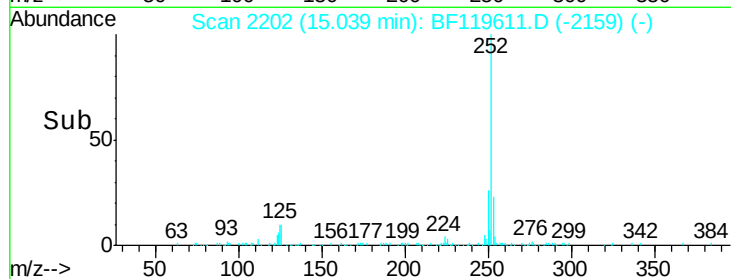
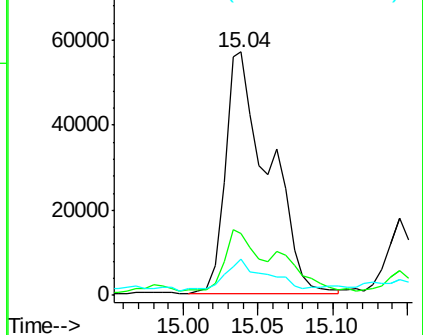
#89
Benzo(k)fluoranthene
Concen: 3.36 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.05 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Instrument :
BNA_F
ClientSampleId :
CL-02-032520

Tgt Ion:252 Resp: 114769
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.6
125 15.0 8.4 12.6#

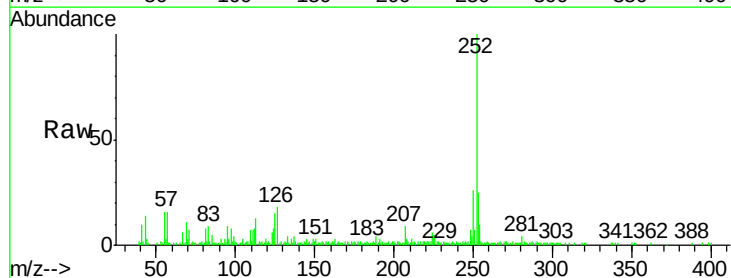


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.30 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.02 min
Lab File: BF119611.D
Acq: 28 Mar 2020 12:42

Tgt Ion:252 Resp: 74973
Ion Ratio Lower Upper
252 100
253 25.1 18.2 27.2
125 15.2 9.4 14.2#



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

