

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
 Data File : BF121092.D
 Acq On : 29 Jul 2020 3:00
 Operator : JU/CG
 Sample : L3414-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 61820

Quant Time: Jul 29 04:08:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	174406	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	611919	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	327017	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	678795	20.00	ng	0.00
76) Chrysene-d12	13.97	240	472590	20.00	ng	0.00
86) Perylene-d12	15.43	264	443641	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	158125	14.86	ng	0.00
7) Phenol-d6	6.45	99	187240	13.62	ng	0.00
23) Nitrobenzene-d5	7.37	82	111701	10.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	58595	16.37	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	238015	10.87	ng	0.00
79) Terphenyl-d14	12.92	244	300505	13.82	ng	0.00

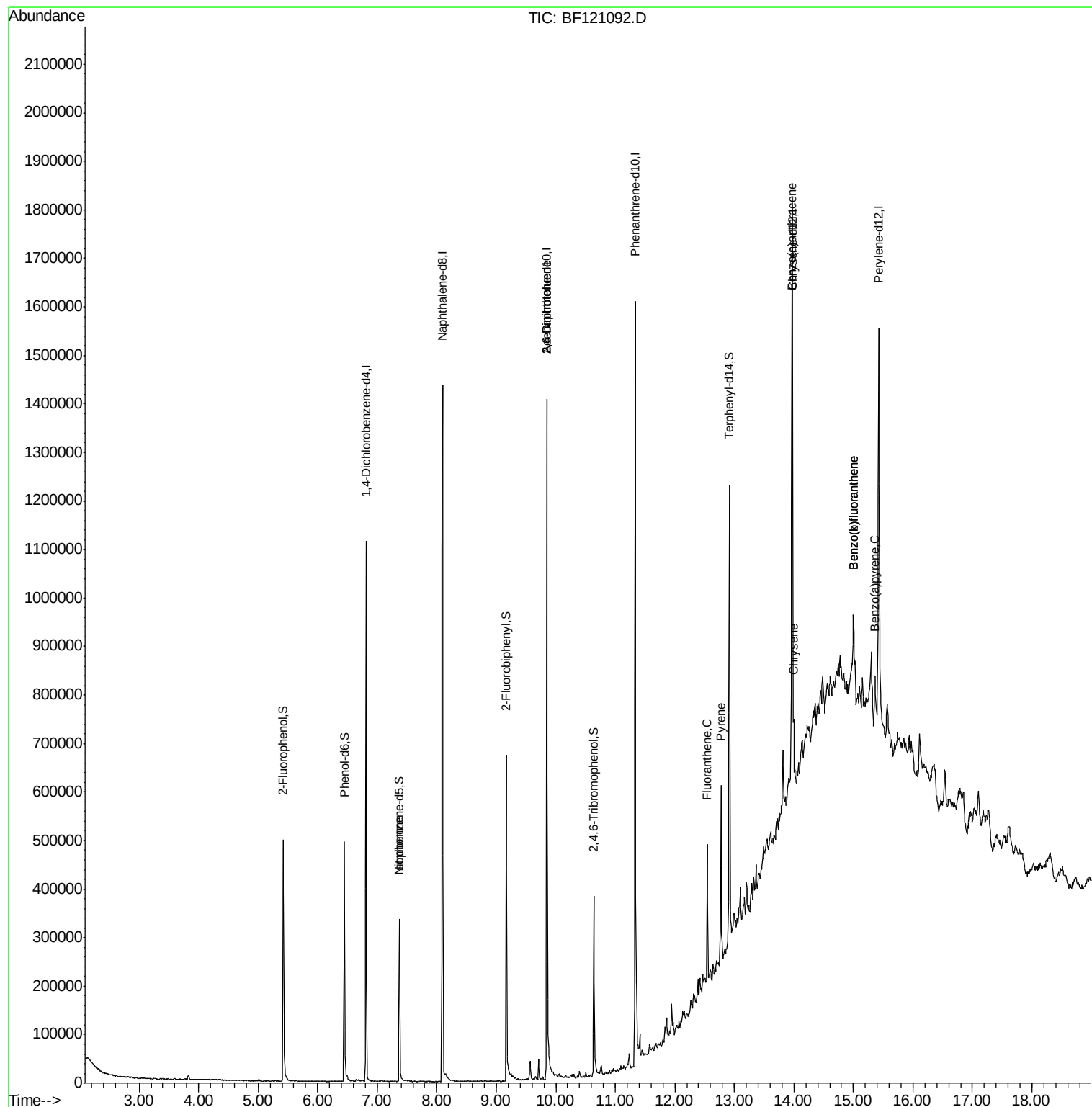
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	112	Below Cal		# 1
25) Isophorone	7.37	82	111700	5.292	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	40669	8.024	ng	# 23
57) 2,4-Dinitrotoluene	9.85	165	42884	6.443	ng	# 27
75) Fluoranthene	12.55	202	114891	2.969	ng	98
78) Pyrene	12.77	202	143167	4.285	ng	99
81) Benzo(a)anthracene	13.96	228	57757	2.018	ng	# 88
83) Chrysene	14.00	228	62444	2.076	ng	96
88) Benzo(b)fluoranthene	15.00	252	103817	3.871	ng	# 75
89) Benzo(k)fluoranthene	15.00	252	103817	4.245	ng	# 76
90) Benzo(a)pyrene	15.36	252	57759	2.361	ng	# 86

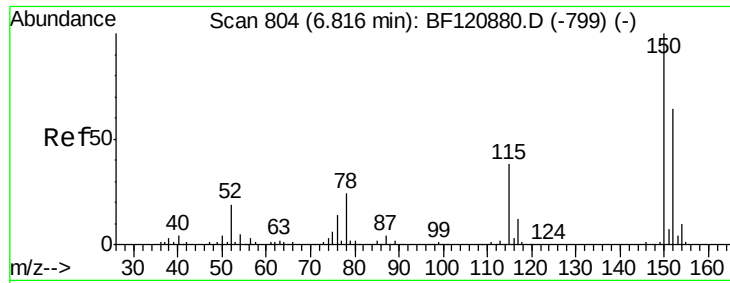
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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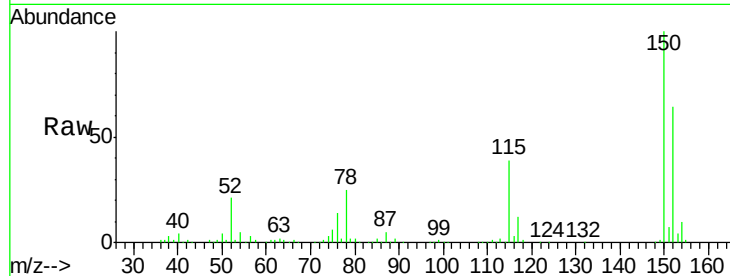


#1

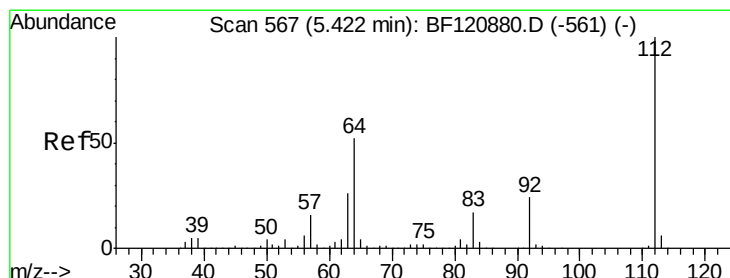
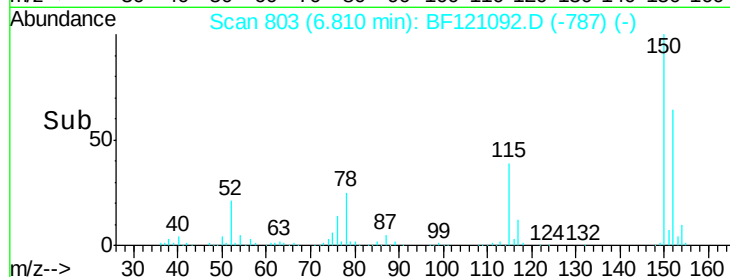
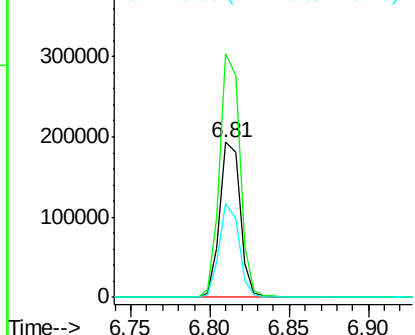
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

Instrument :
BNA_F
ClientSampleId :
61820

Tot Ion:152 Resp: 174406
Ion Ratio Lower Upper
152 100
150 157.2 125.0 187.6
115 60.5 47.0 70.4



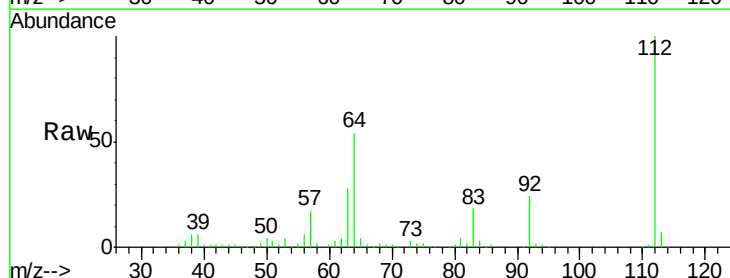
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



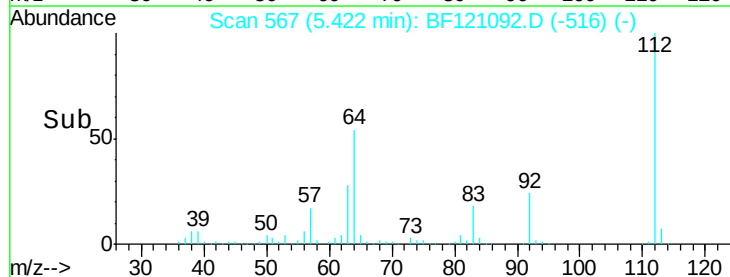
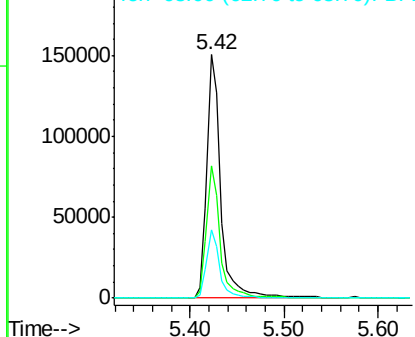
#5

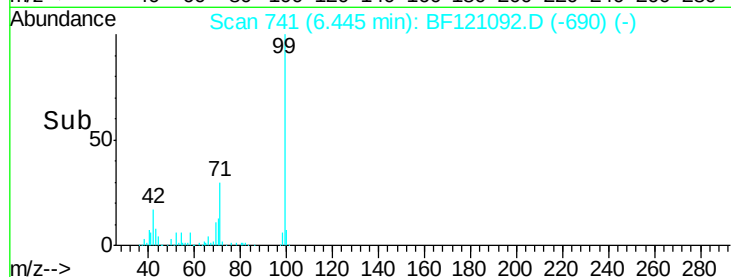
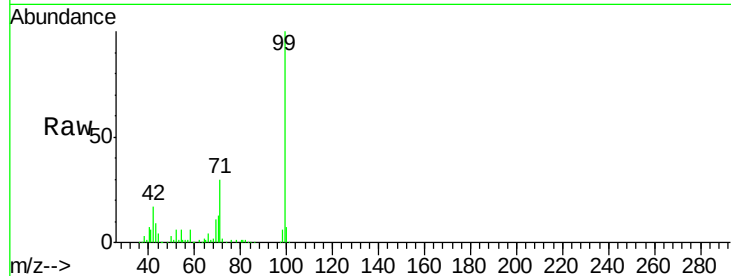
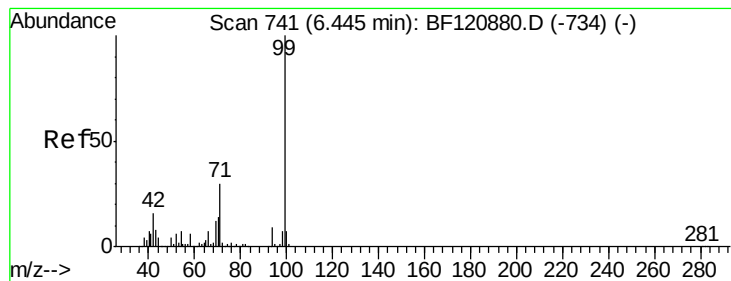
2-Fluorophenol
Concen: 14.863 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

Tgt Ion:112 Resp: 158125
Ion Ratio Lower Upper
112 100
64 54.4 41.3 61.9
63 28.3 21.1 31.7



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: 13.625 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121092.D

Acq: 29 Jul 2020 3:00

Instrument :

BNA_F

ClientSampleId :

61820

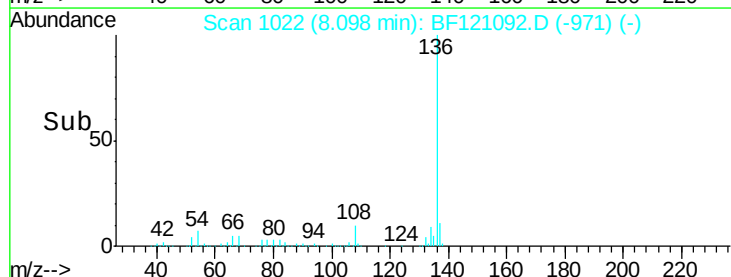
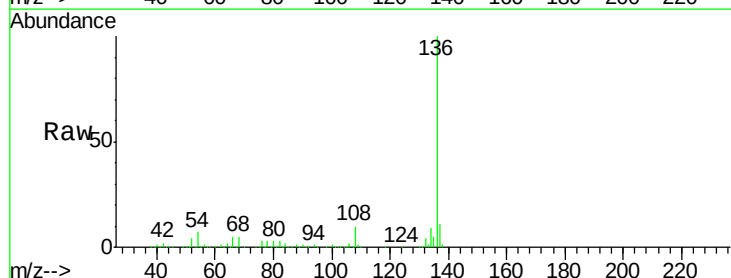
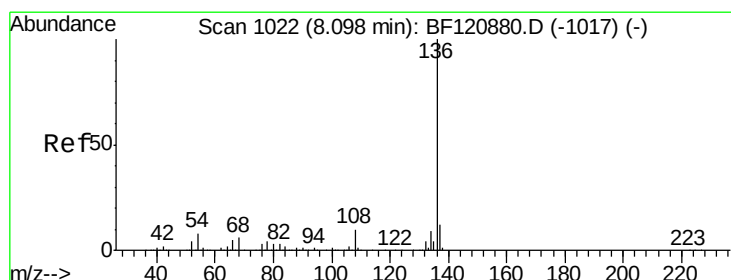
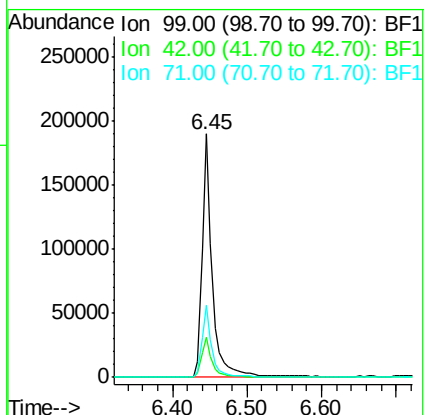
Tot Ion: 99 Resp: 187240

Ion Ratio Lower Upper

99 100

42 16.7 13.1 19.7

71 29.8 24.2 36.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF121092.D

Acq: 29 Jul 2020 3:00

Tgt Ion: 136 Resp: 611919

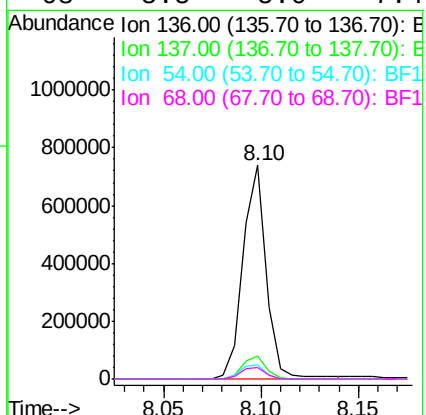
Ion Ratio Lower Upper

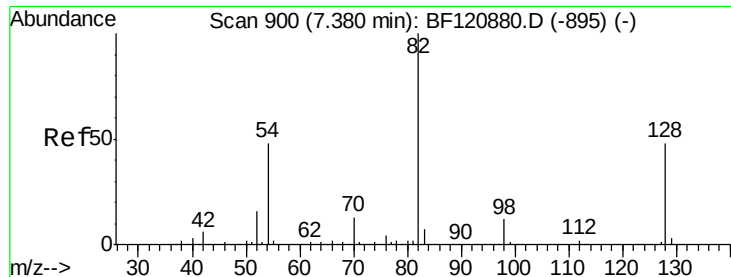
136 100

137 10.9 9.3 13.9

54 6.8 6.3 9.5

68 5.5 5.0 7.4

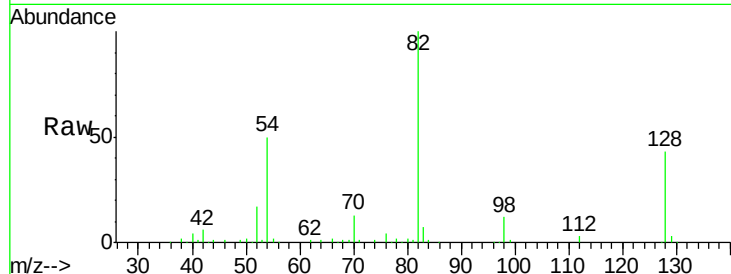




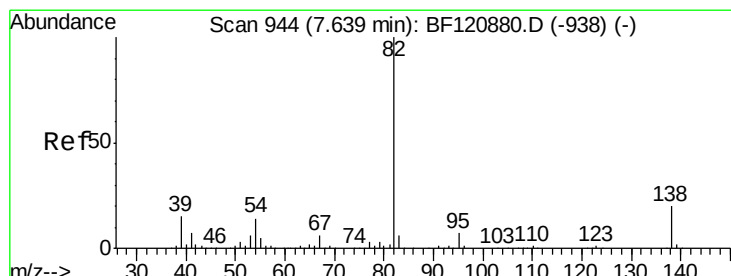
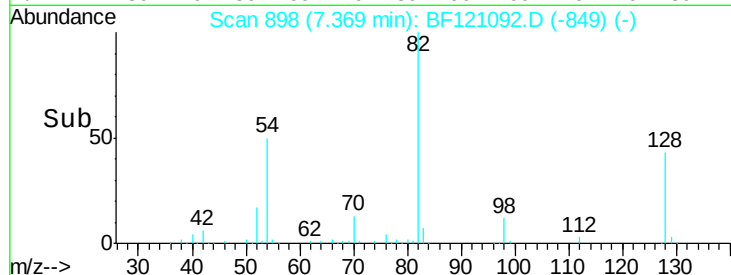
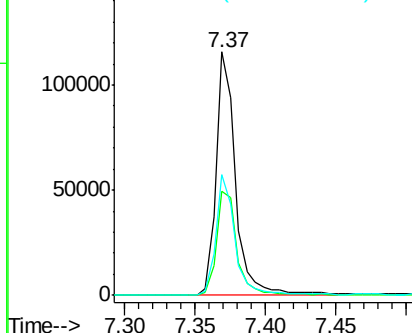
#23
 Nitrobenzene-d5
 Concen: 10.562 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF121092.D
 Acq: 29 Jul 2020 3:00

Instrument :
 BNA_F
 ClientSampleId :
 61820

Tot Ion: 82 Resp: 111701
 Ion Ratio Lower Upper
 82 100
 128 42.5 38.2 57.4
 54 49.7 38.7 58.1

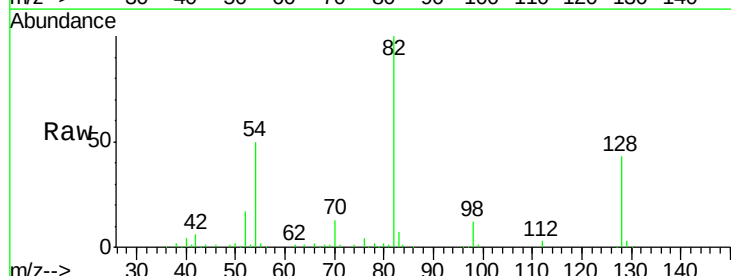


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

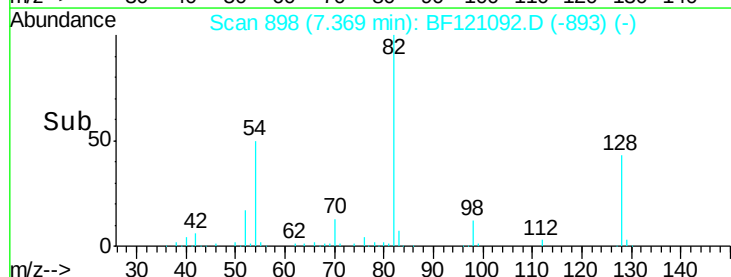
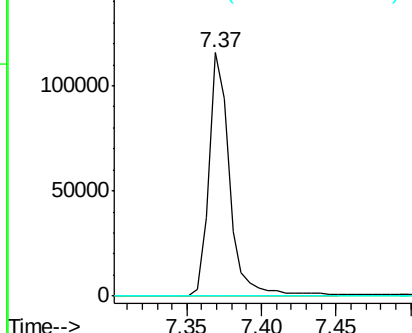


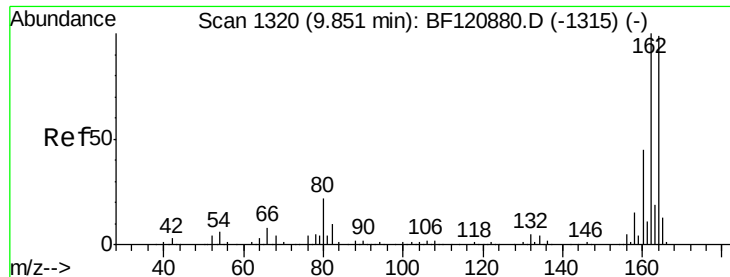
#25
 Isophorone
 Concen: 5.292 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.27 min
 Lab File: BF121092.D
 Acq: 29 Jul 2020 3:00

Tgt Ion: 82 Resp: 111700
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.5 8.3#
 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: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF121092.D

Acq: 29 Jul 2020 3:00

Instrument :

BNA_F

ClientSampleId :

61820

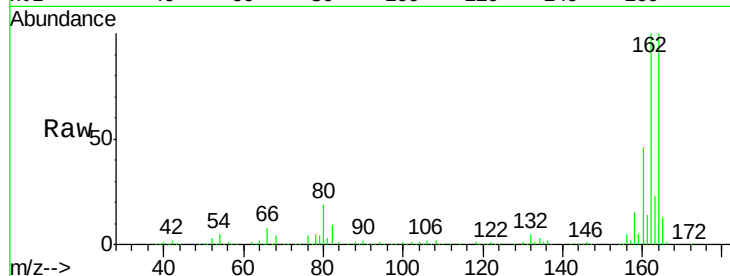
Tot Ion:164 Resp: 327017

Ion Ratio Lower Upper

164 100

162 99.6 81.2 121.8

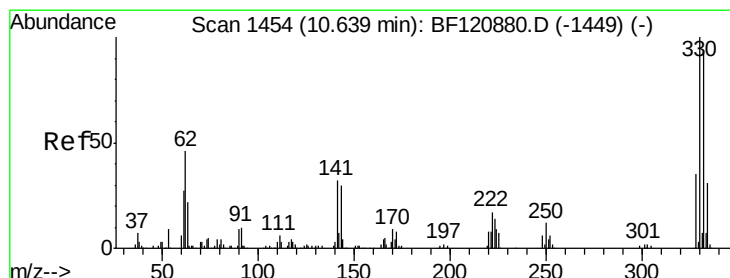
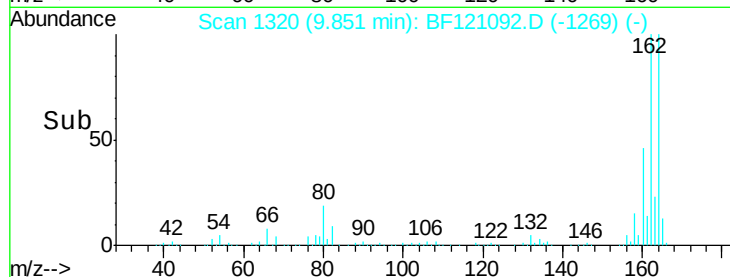
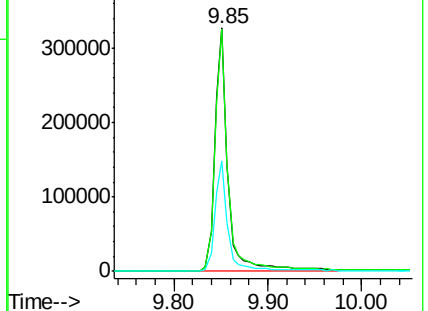
160 45.5 36.9 55.3



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: 16.369 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF121092.D

Acq: 29 Jul 2020 3:00

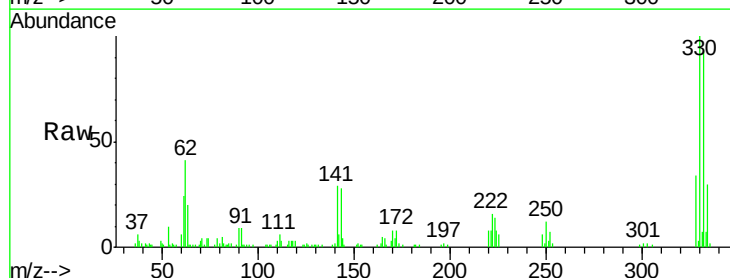
Tgt Ion:330 Resp: 58595

Ion Ratio Lower Upper

330 100

332 94.6 75.5 113.3

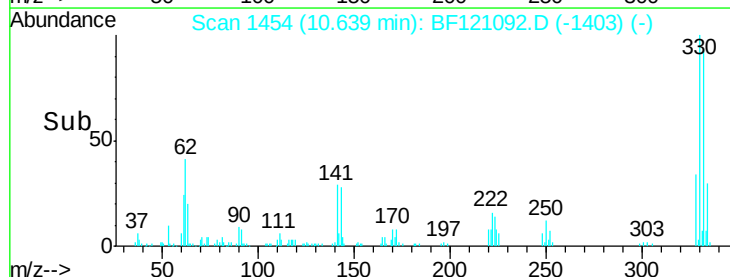
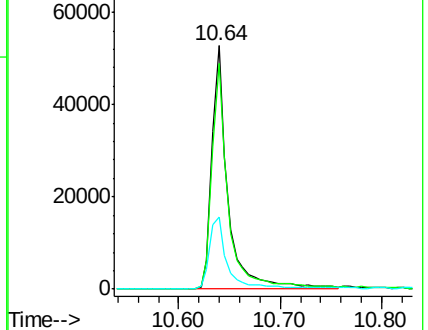
141 33.0 25.7 38.5

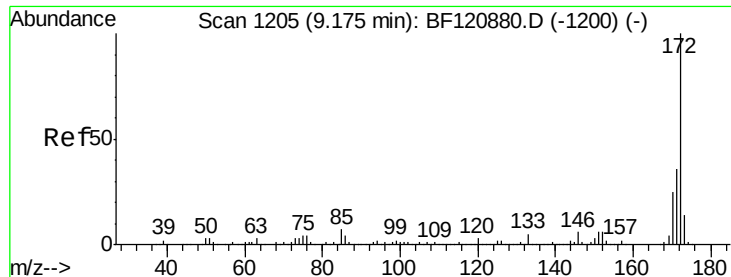


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

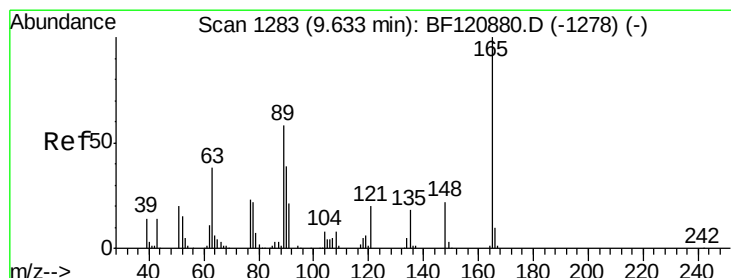
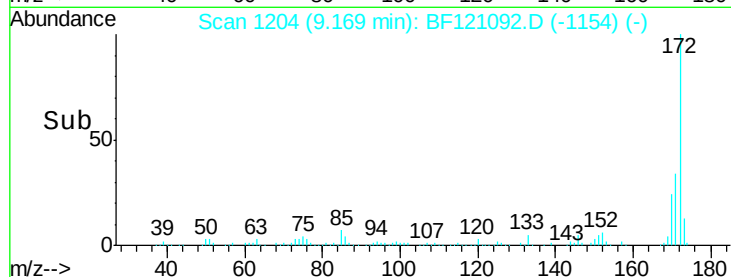
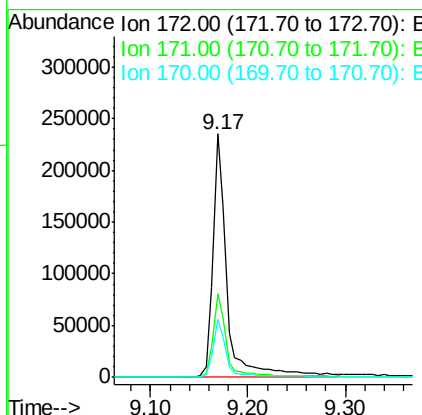
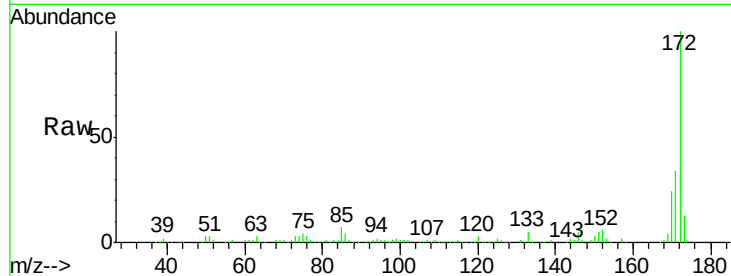




#45
2-Fluorobiphenyl
Concen: 10.867 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

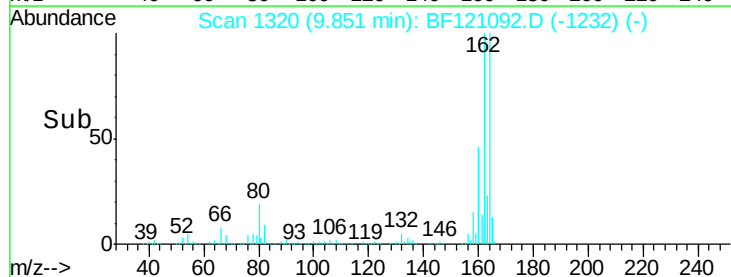
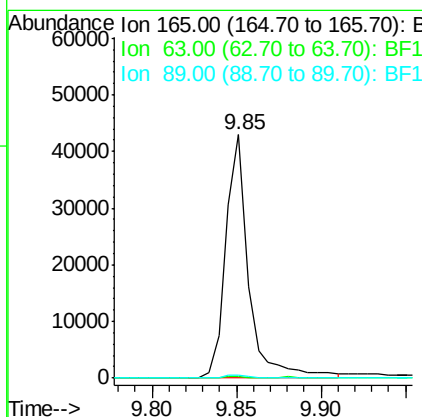
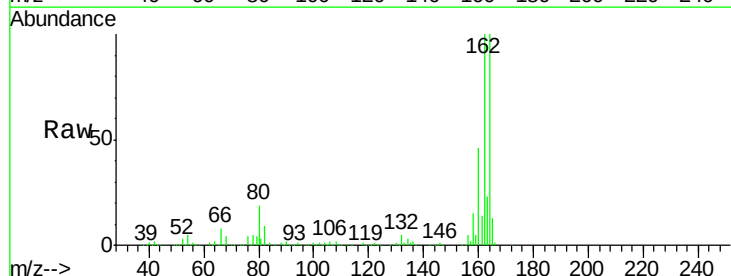
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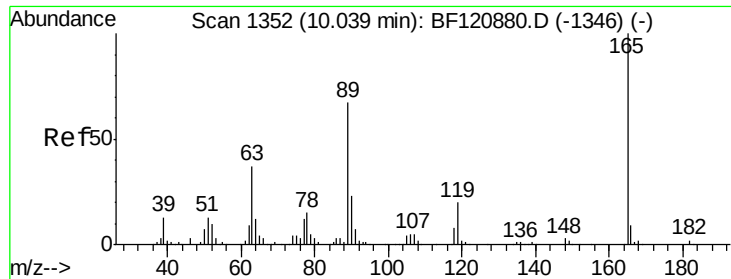
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.0	43.4
170	23.7	19.6	29.4



#51
2,6-Dinitrotoluene
Concen: 8.024 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.22 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	45.4	68.2#
89	1.0	47.0	70.4#

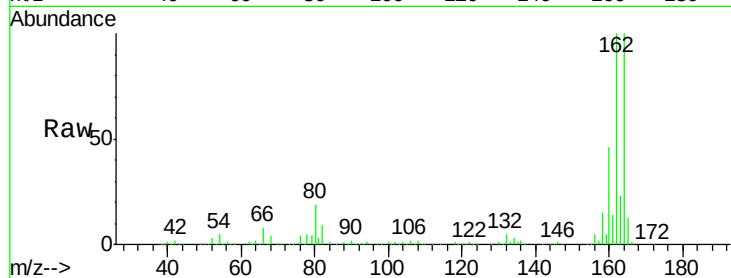




#57
 2,4-Dinitrotoluene
 Concen: 6.443 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF121092.D
 Acq: 29 Jul 2020 3:00

Instrument :
 BNA_F
 ClientSampleId :
 61820

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	29.4	44.2#
89	1.0	53.4	80.0#
182	0.0	1.8	2.6#

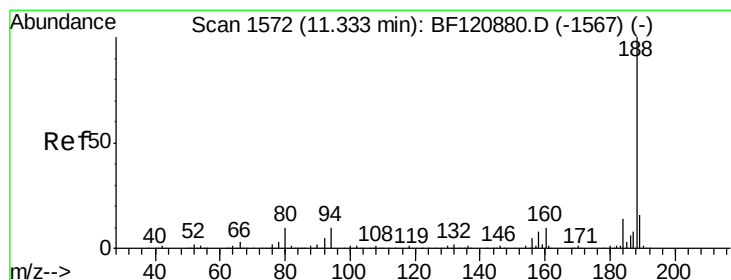
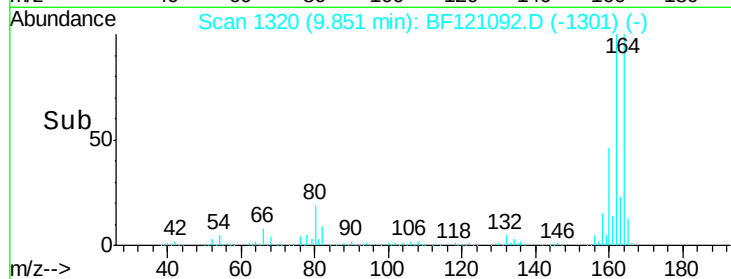
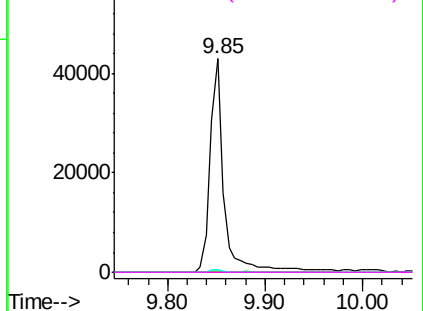


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

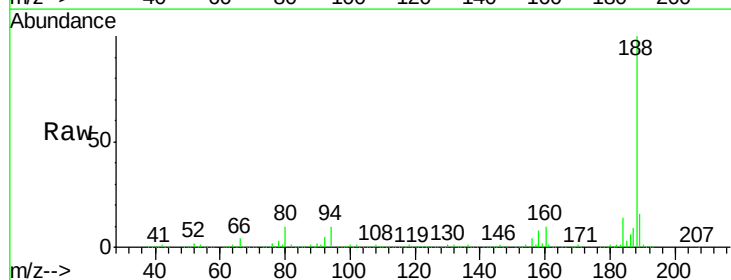
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF121092.D
 Acq: 29 Jul 2020 3:00

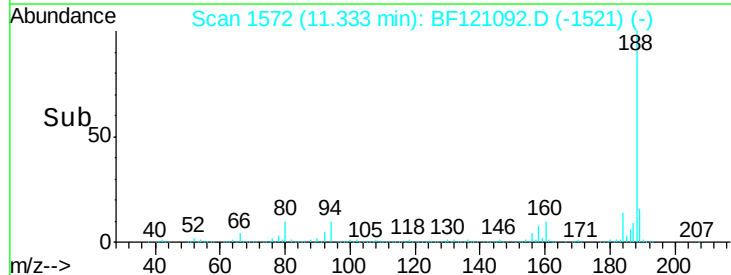
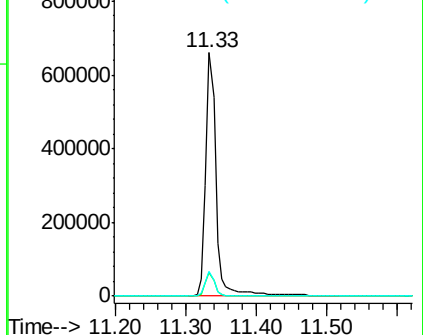
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.2	8.3	12.5

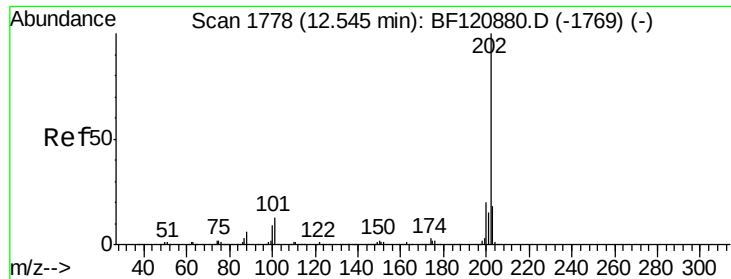


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 2.969 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF121092.D

Acq: 29 Jul 2020 3:00

Instrument :

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61820

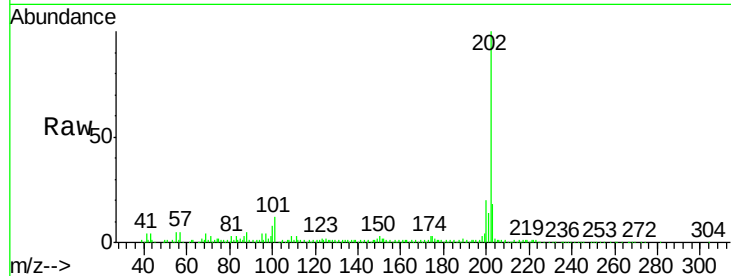
Tot Ion:202 Resp: 114891

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.7

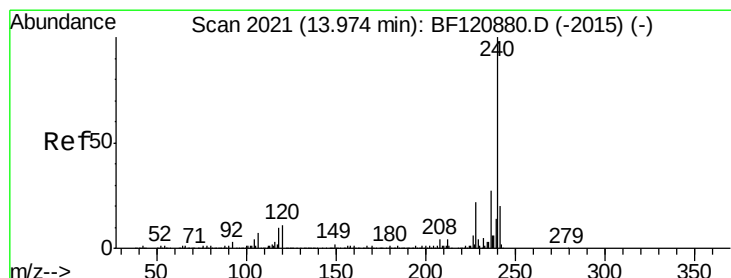
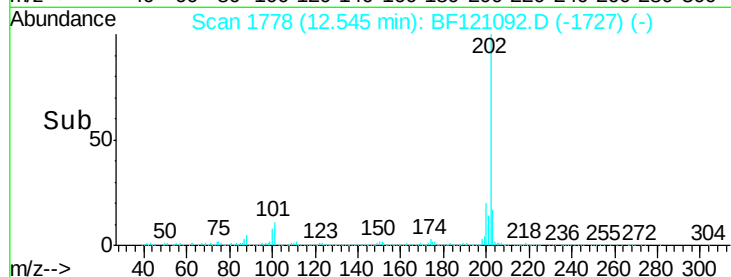
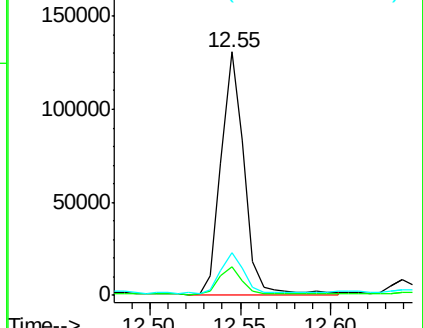
203 17.7 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF121092.D

Acq: 29 Jul 2020 3:00

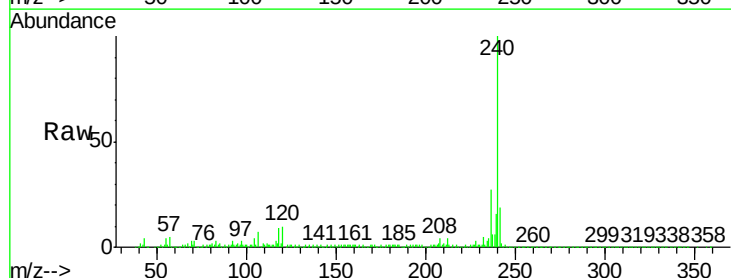
Tgt Ion:240 Resp: 472590

Ion Ratio Lower Upper

240 100

120 10.4 9.0 13.4

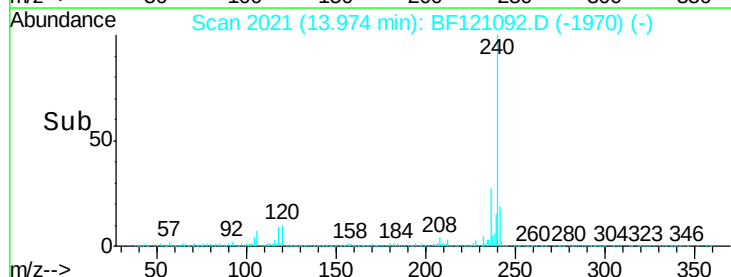
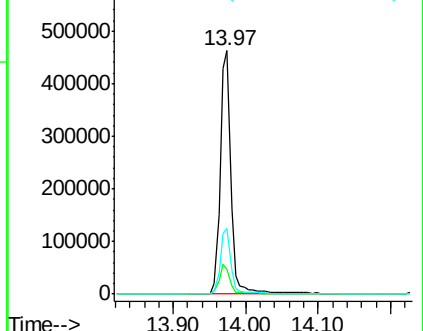
236 26.7 21.7 32.5

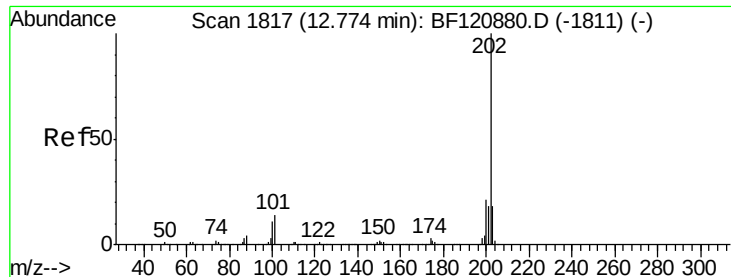


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

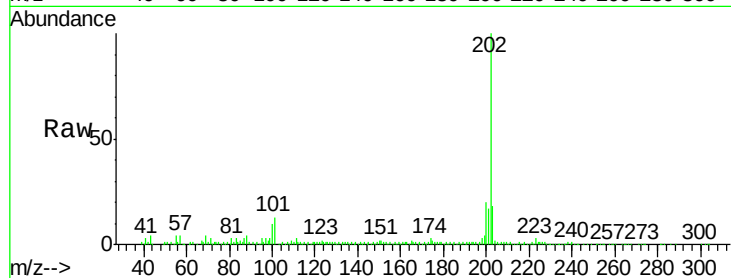




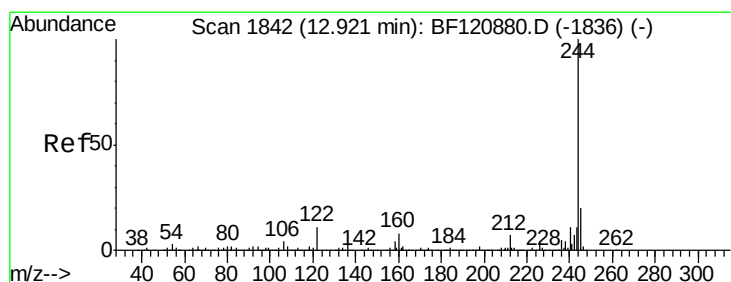
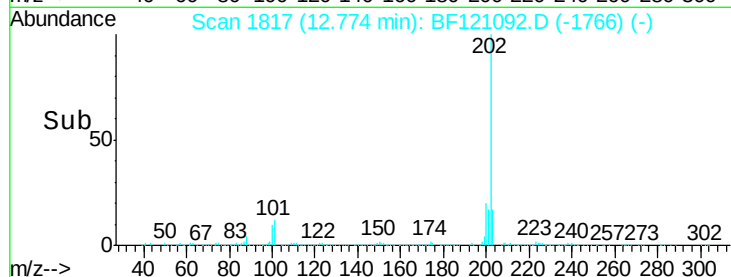
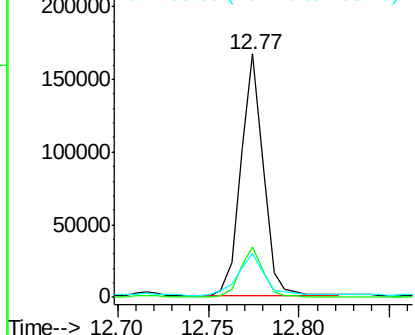
#78
Pvrene
Concen: 4.285 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

Instrument :
BNA_F
ClientSampleId :
61820

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.4
203	18.2	14.4	21.6

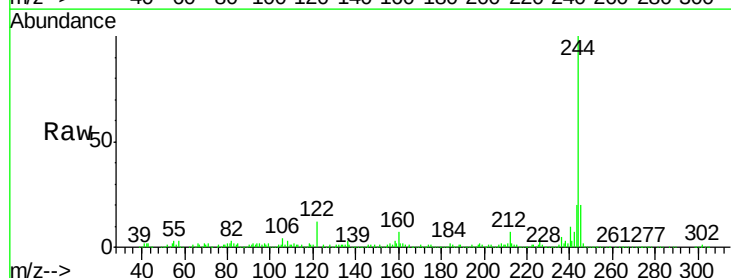


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

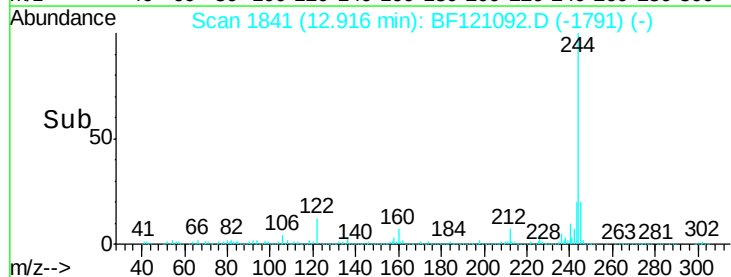
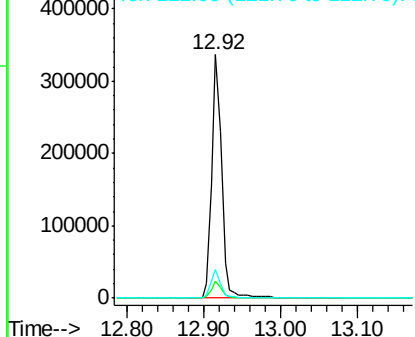


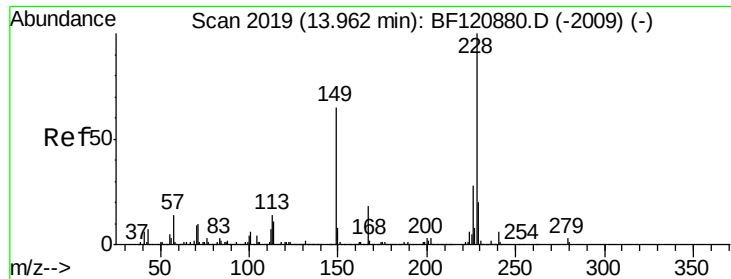
#79
Terphenyl-d14
Concen: 13.822 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.8	8.9	13.3



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

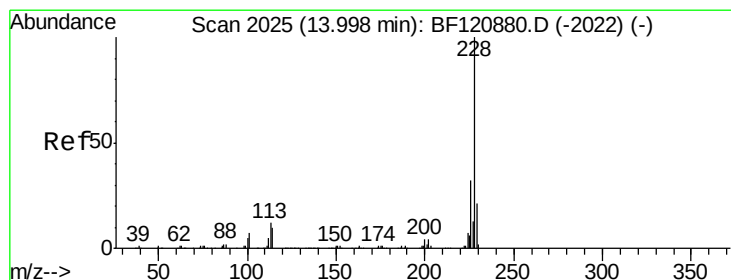
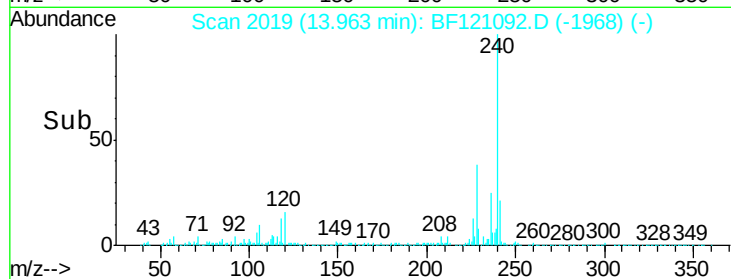
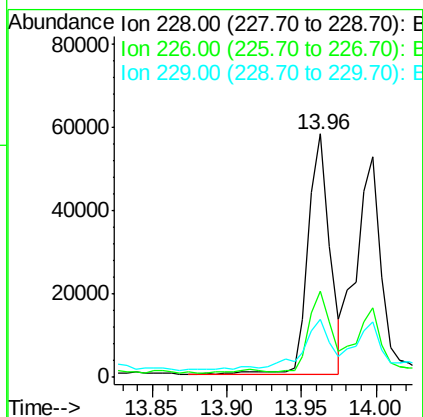
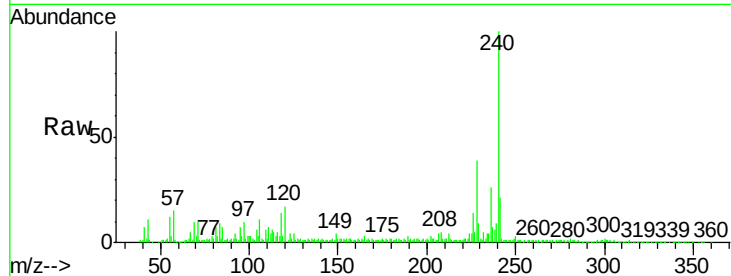




#81
Benzo(a)anthracene
Concen: 2.018 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

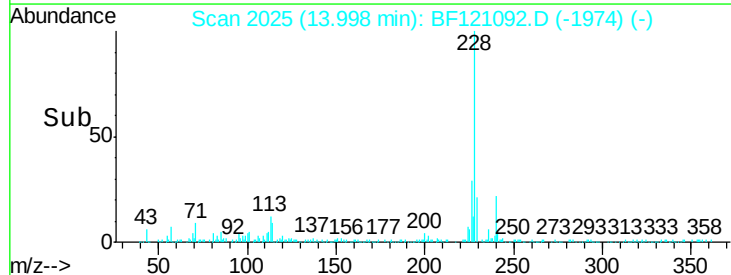
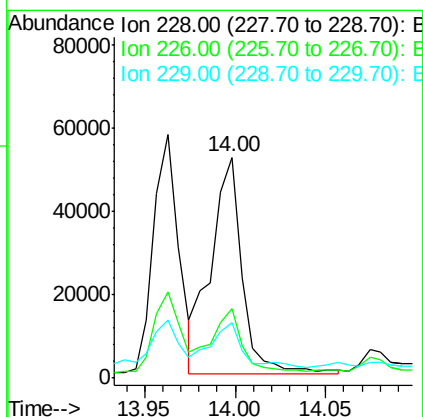
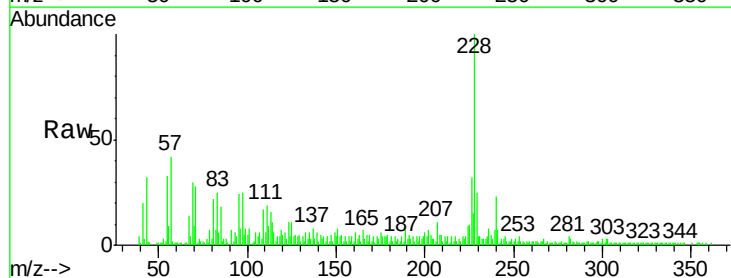
Instrument :
BNA_F
ClientSampleId :
61820

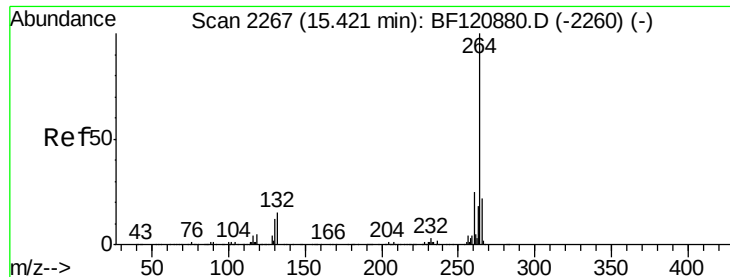
Tot Ion:228 Resp: 57757
Ion Ratio Lower Upper
228 100
226 35.4 22.3 33.5#
229 23.8 16.1 24.1



#83
Chrysene
Concen: 2.076 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

Tgt Ion:228 Resp: 62444
Ion Ratio Lower Upper
228 100
226 31.5 25.6 38.4
229 24.8 16.8 25.2

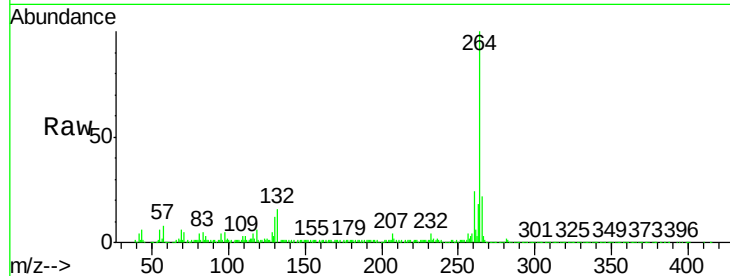




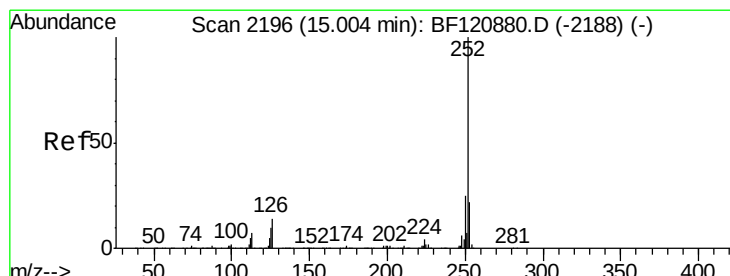
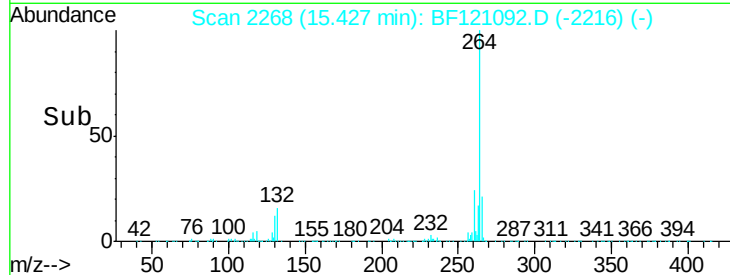
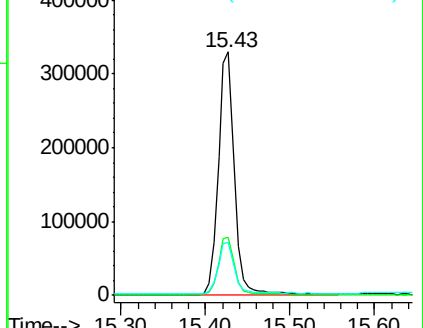
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

Instrument :
BNA_F
ClientSampleId :
61820

Tot Ion:264 Resp: 443641
Ion Ratio Lower Upper
264 100
260 23.8 20.0 30.0
265 21.8 17.4 26.2

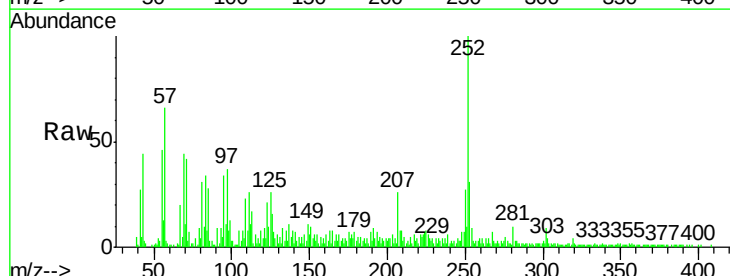


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

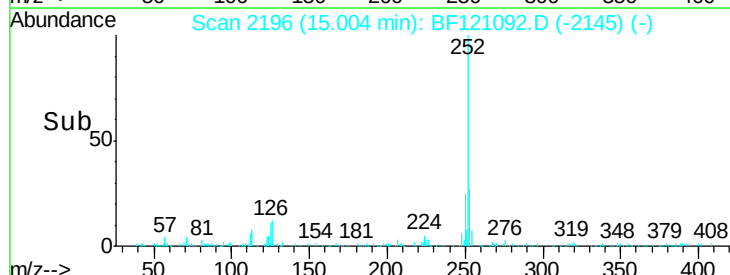
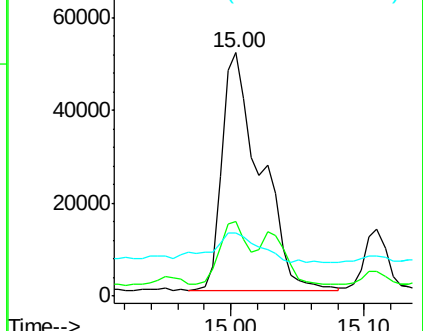


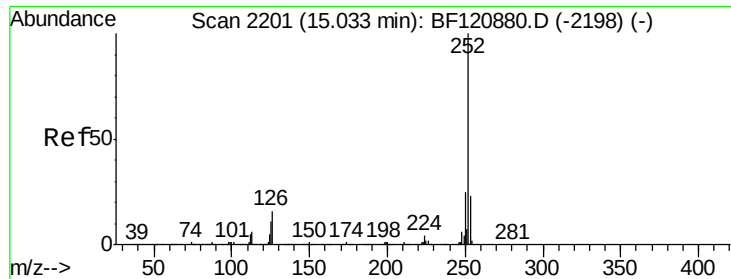
#88
Benzo(b)fluoranthene
Concen: 3.871 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

Tgt Ion:252 Resp: 103817
Ion Ratio Lower Upper
252 100
253 30.6 18.0 27.0#
125 26.0 8.3 12.5#



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

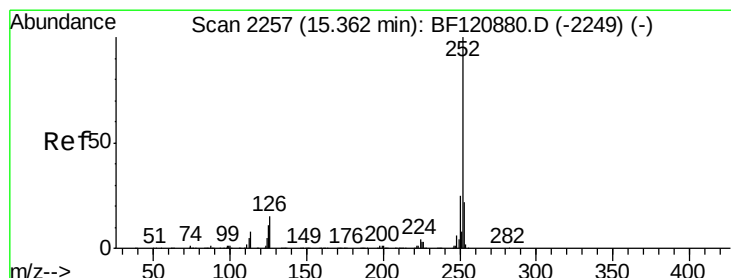
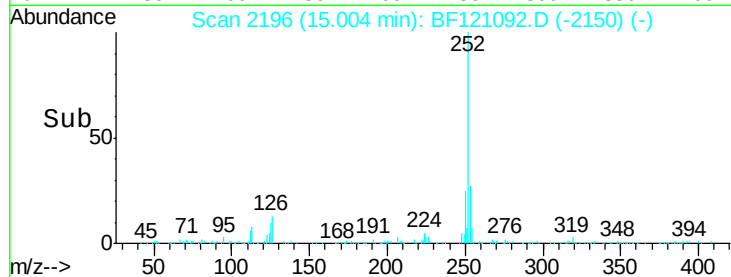
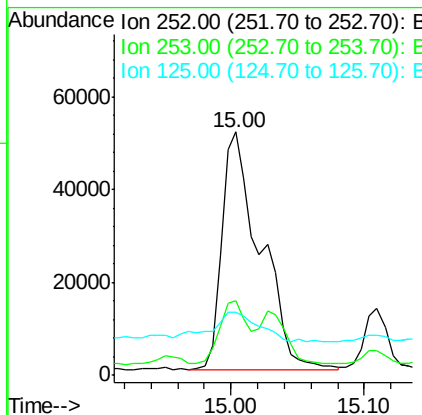
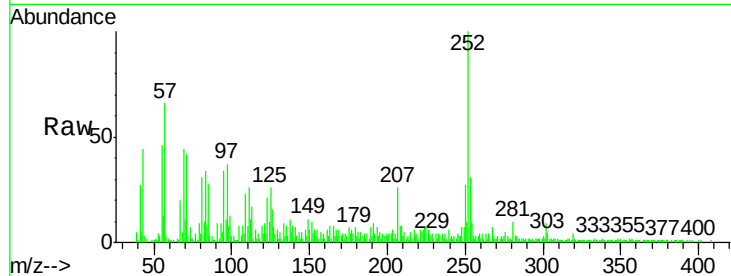




#89
Benzo(k)fluoranthene
Concen: 4.245 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

Instrument :
BNA_F
ClientSampleId :
61820

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.2	27.2#
125	26.0	8.4	12.6#



#90
Benzo(a)pyrene
Concen: 2.361 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121092.D
Acq: 29 Jul 2020 3:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	23.9	8.9	13.3#

