

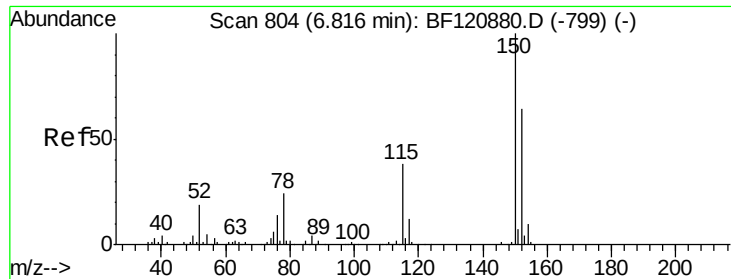
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121103.D
 Acq On : 29 Jul 2020 15:50
 Operator : JU/CG
 Sample : L3434-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11936RE

Quant Time: Jul 29 17:07:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	147592	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	553049	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	134393	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	458073	20.00	ng	0.00
76) Chrysene-d12	13.95	240	179925	20.00	ng	-0.01
86) Perylene-d12	15.39	264	22092	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	211749	23.52	ng	0.00
7) Phenol-d6	6.44	99	159834	13.74	ng	0.00
23) Nitrobenzene-d5	7.36	82	674405	70.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	86110	58.54	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1232589	136.93	ng	0.00
79) Terphenyl-d14	12.90	244	1084944	131.08	ng	0.00
Target Compounds						
9) Benzaldehyde	6.35	77	3555	Below Cal		89
19) n-Nitroso-di-n-propylamine	7.36	70	88260	13.346 ng	#	78
25) Isophorone	7.36	82	669936	35.120 ng	#	62
50) Dimethylphthalate	9.55	163	156164	16.107 ng		99
65) 4,6-Dinitro-2-methylphenol	10.62	198	114	3.882 ng	#	1
87) Indeno(1,2,3-cd)pyrene	16.82	276	3795	2.470 ng	#	64
91) Dibenzo(a,h)anthracene	16.82	278	2858	2.277 ng	#	77
92) Benzo(g,h,i)perylene	17.23	276	3271	2.643 ng	#	92

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

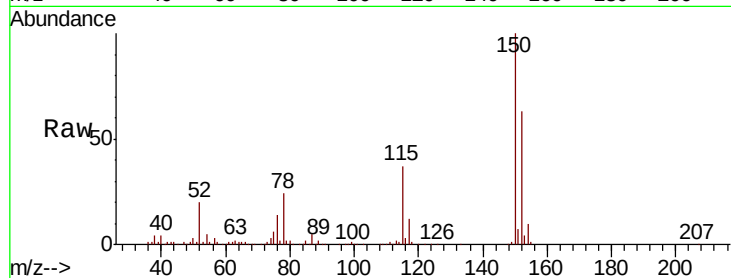


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121103.D
Acq: 29 Jul 2020 15:50

Instrument :
BNA_F
ClientSampleId :
11936RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	125.6	188.4
115	59.6	46.2	69.2

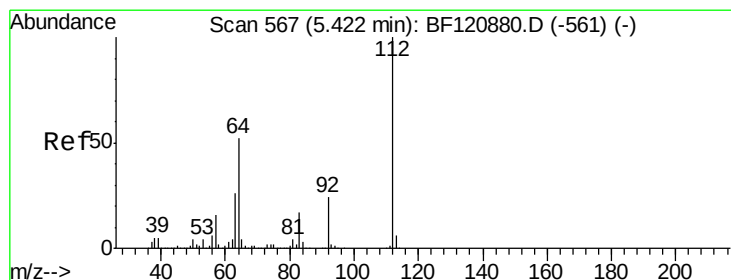
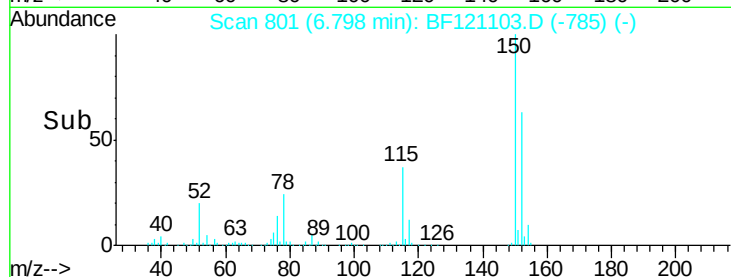
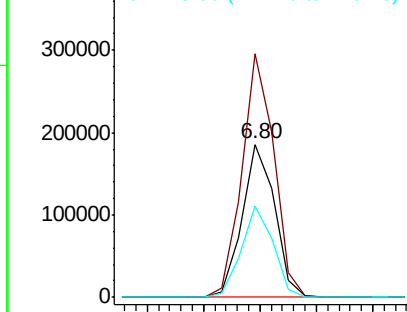


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

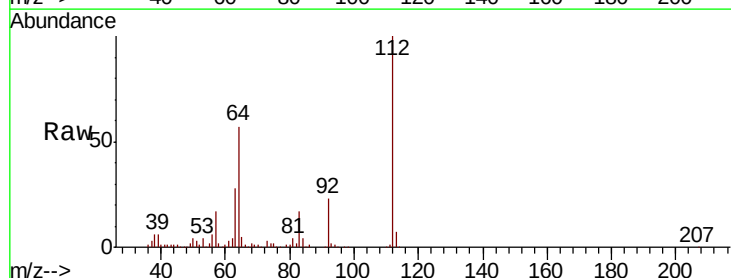
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 23.520 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF121103.D
Acq: 29 Jul 2020 15:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	43.9	65.9
63	28.4	22.7	34.1

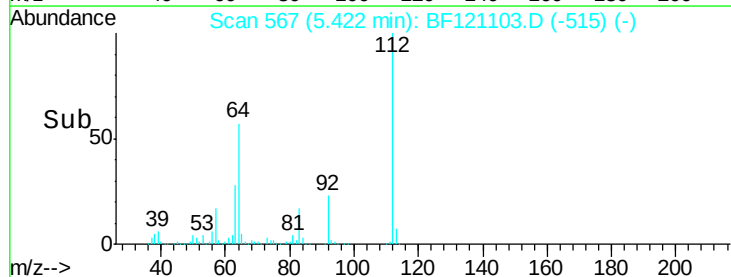
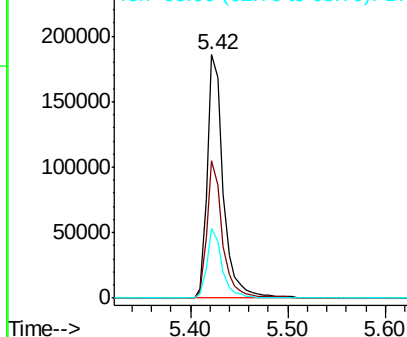


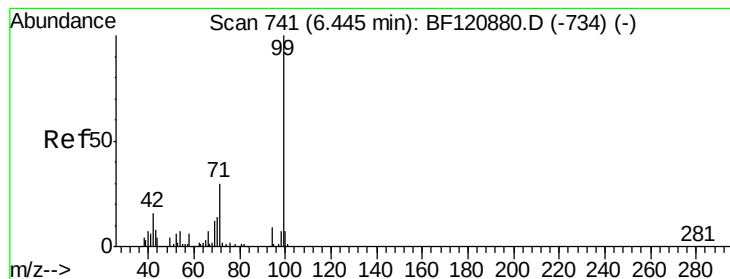
Abundance

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: 13.744 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121103.D

Acq: 29 Jul 2020 15:50

Instrument :

BNA_F

ClientSampleId :

11936RE

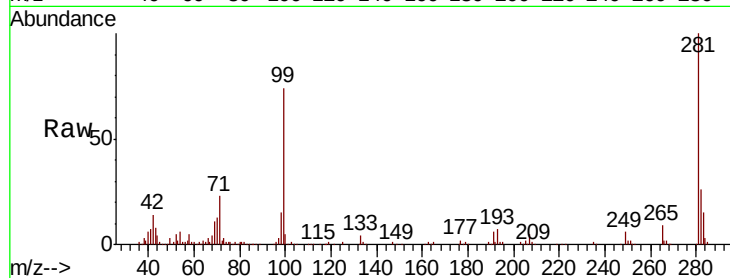
Tot Ion: 99 Resp: 159834

Ion Ratio Lower Upper

99 100

42 19.4 13.5 20.3

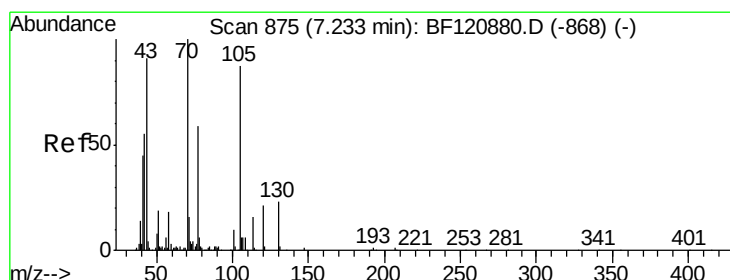
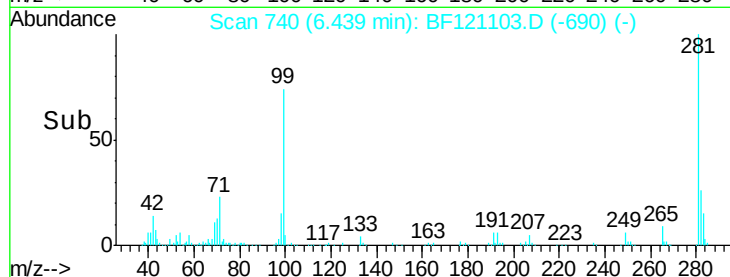
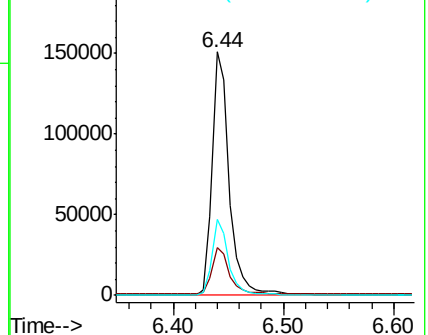
71 31.4 25.0 37.4



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: 13.346 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF121103.D

Acq: 29 Jul 2020 15:50

Tgt Ion: 70 Resp: 88260

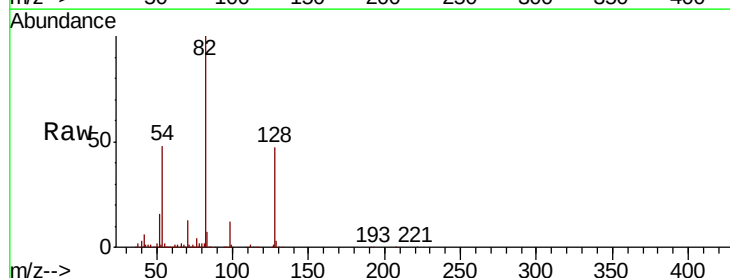
Ion Ratio Lower Upper

70 100

42 45.8 43.3 64.9

101 0.0 8.4 12.6#

130 2.3 18.7 28.1#

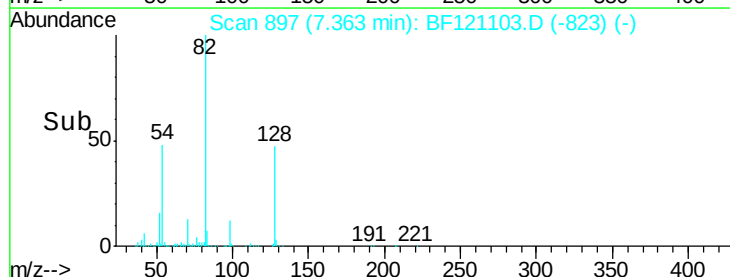
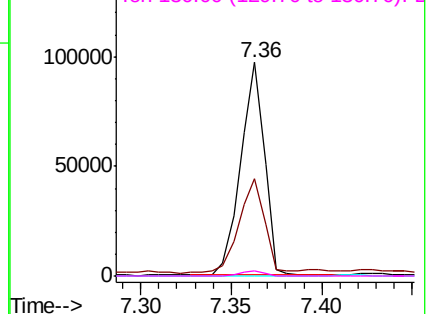


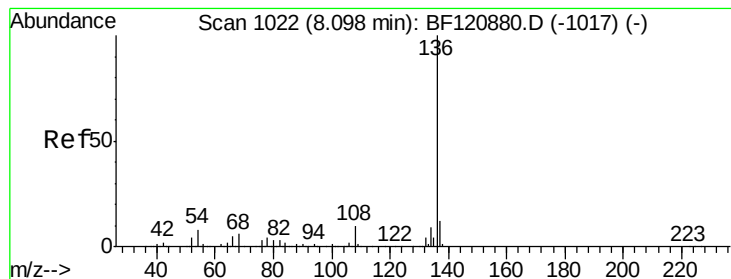
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121103.D

Acq: 29 Jul 2020 15:50

Instrument :

BNA_F

ClientSampleId :

11936RE

Tot Ion:136 Resp: 553049

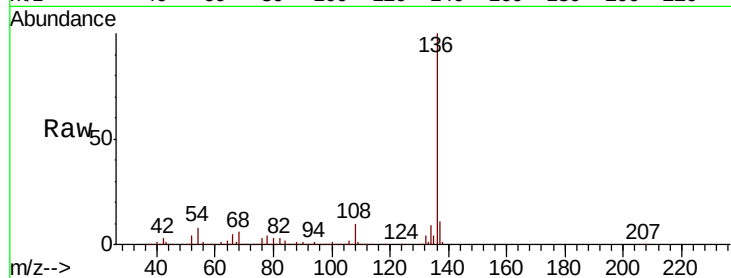
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.8 6.1 9.1

68 6.4 5.0 7.6

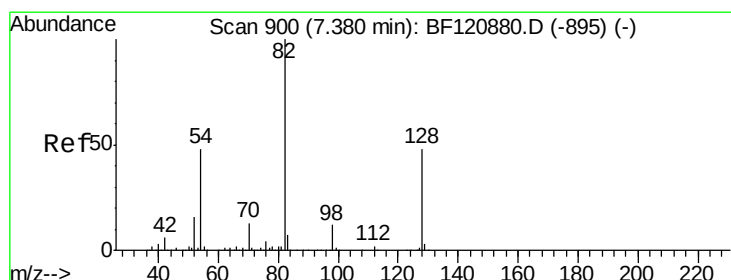
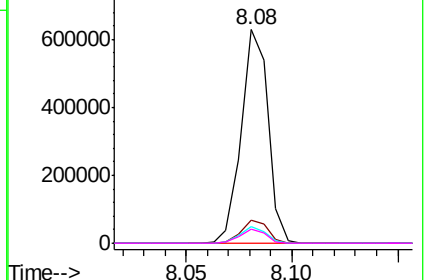
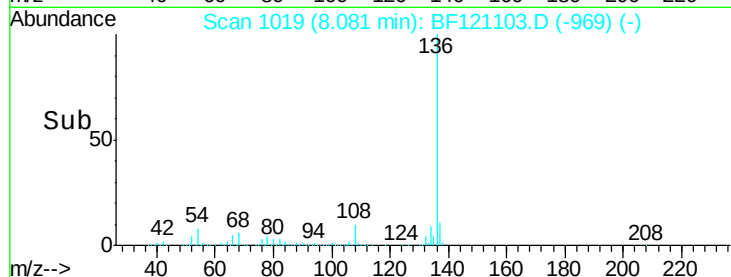


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.560 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF121103.D

Acq: 29 Jul 2020 15:50

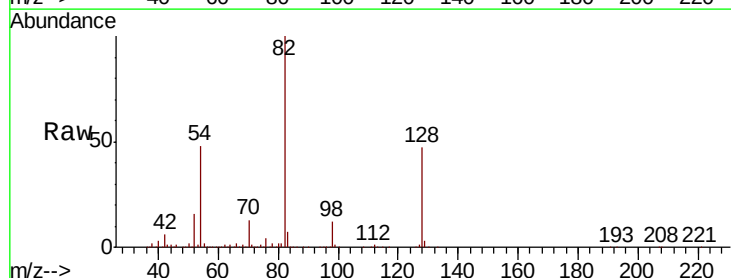
Tgt Ion: 82 Resp: 674405

Ion Ratio Lower Upper

82 100

128 47.5 39.2 58.8

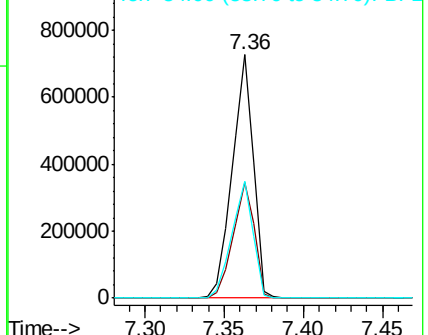
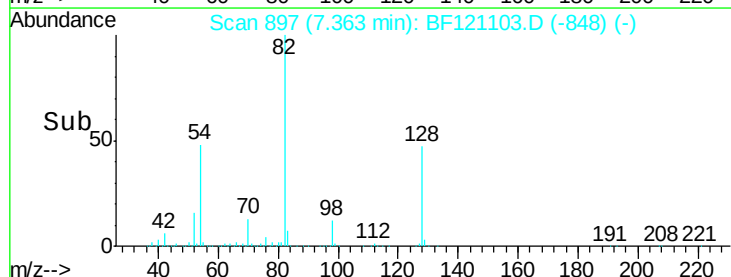
54 48.3 37.8 56.8

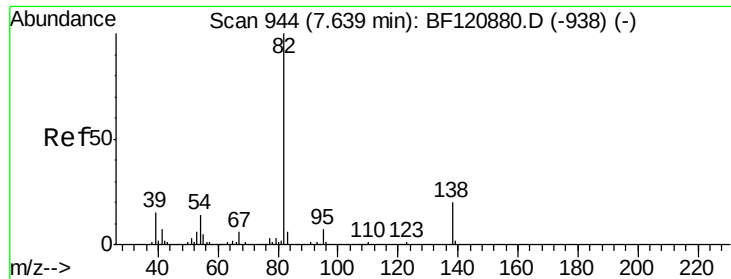


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.120 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.27 min

Lab File: BF121103.D

Acq: 29 Jul 2020 15:50

Instrument :

BNA_F

ClientSampled :

11936RE

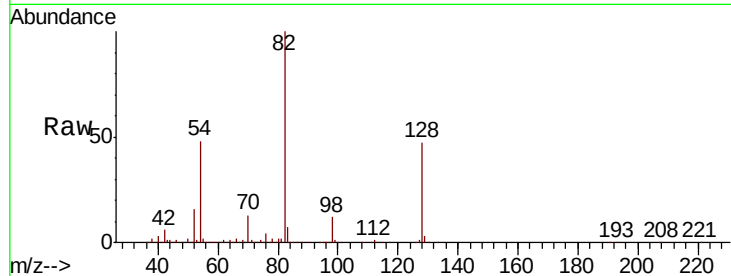
Tot Ion: 82 Resp: 669936

Ion Ratio Lower Upper

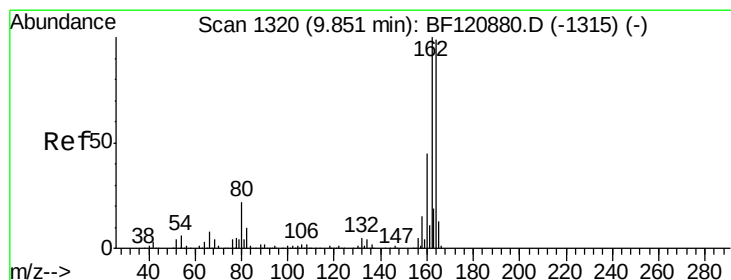
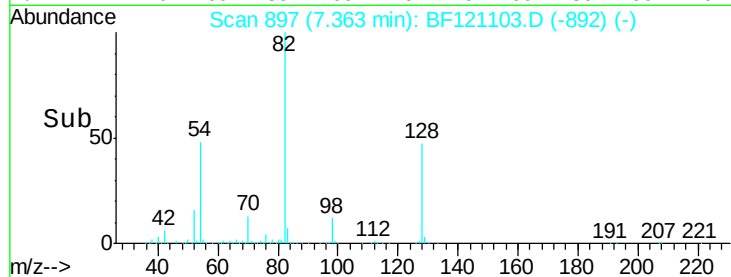
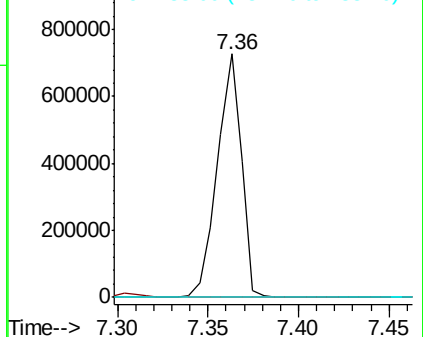
82 100

95 0.1 5.5 8.3#

138 0.0 16.2 24.2#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121103.D

Acq: 29 Jul 2020 15:50

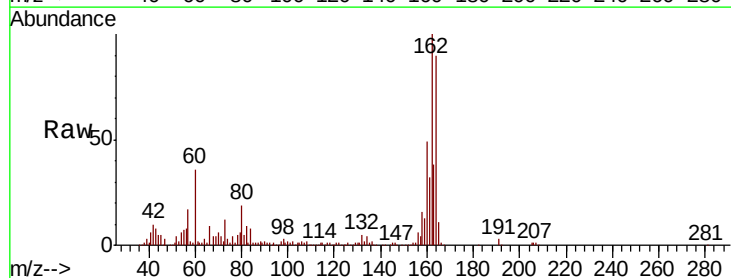
Tgt Ion: 164 Resp: 134393

Ion Ratio Lower Upper

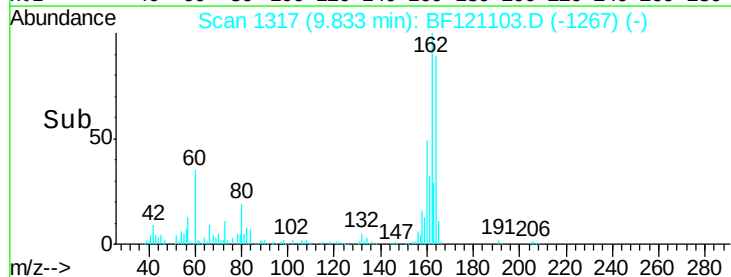
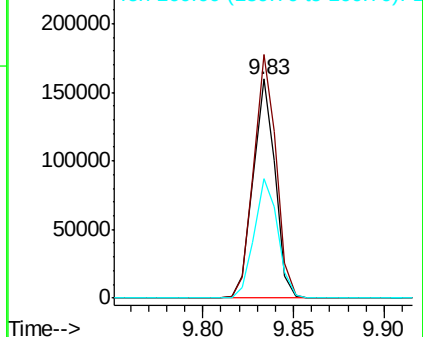
164 100

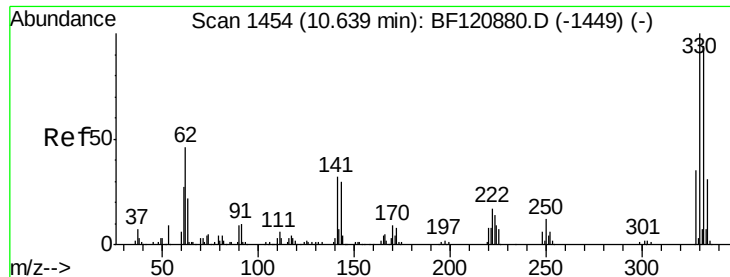
162 111.1 82.2 123.2

160 54.4 37.2 55.8



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: 58.536 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF121103.D

Acq: 29 Jul 2020 15:50

Instrument :

BNA_F

ClientSampleId :

11936RE

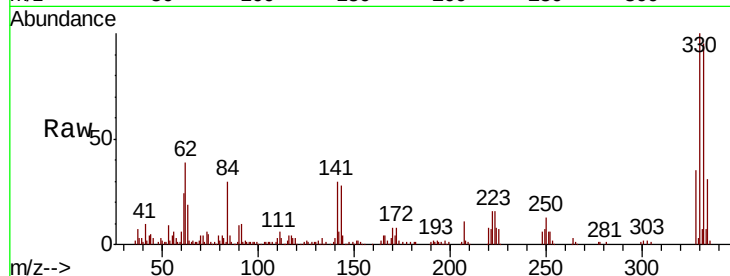
Tot Ion:330 Resp: 86110

Ion Ratio Lower Upper

330 100

332 96.0 76.1 114.1

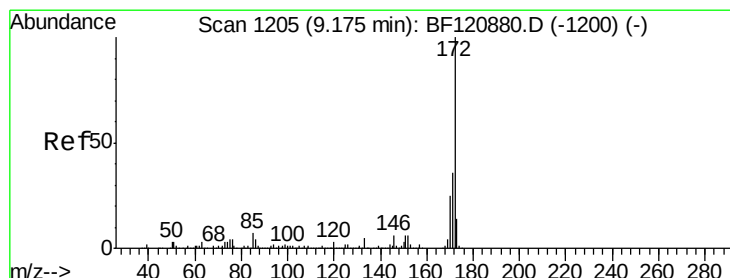
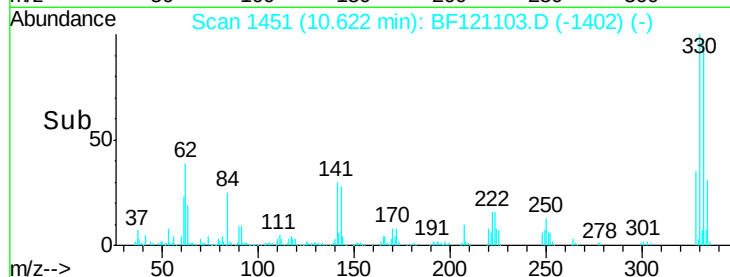
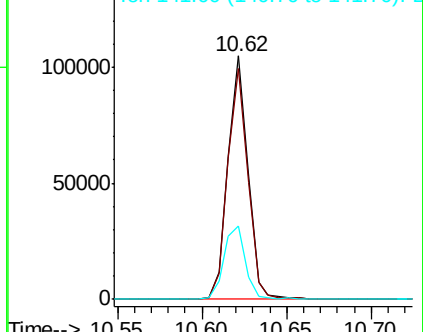
141 33.4 24.1 36.1



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: 136.935 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF121103.D

Acq: 29 Jul 2020 15:50

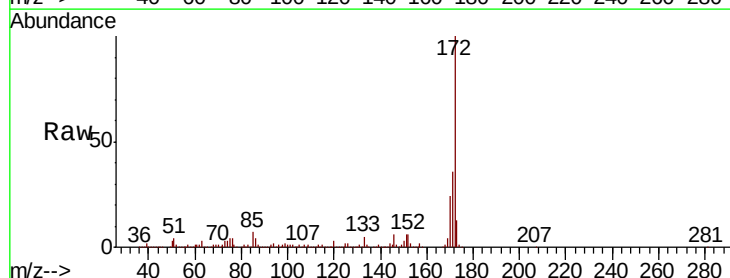
Tgt Ion:172 Resp: 1232589

Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.4

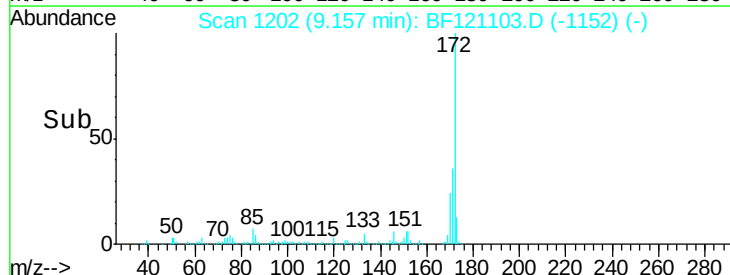
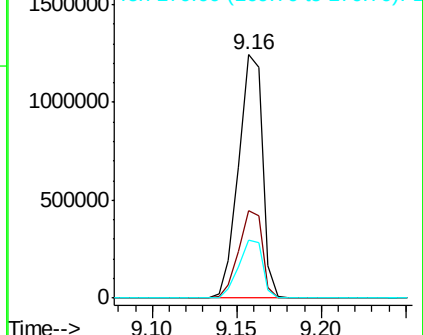
170 23.7 19.6 29.4

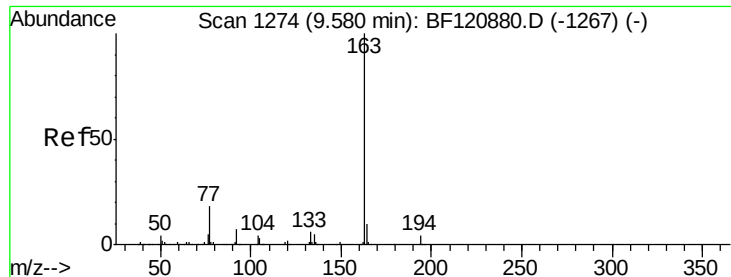


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

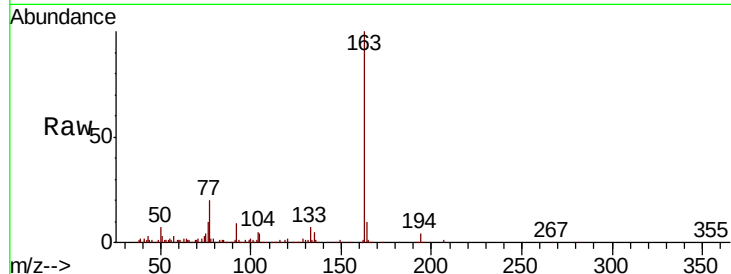




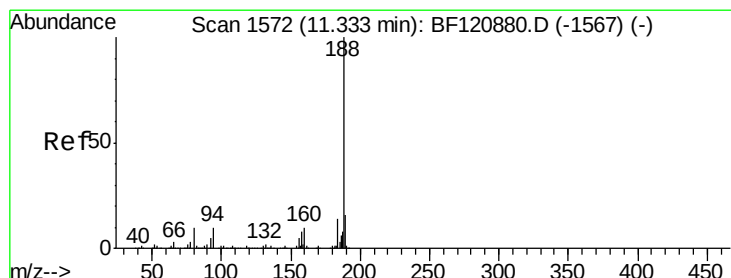
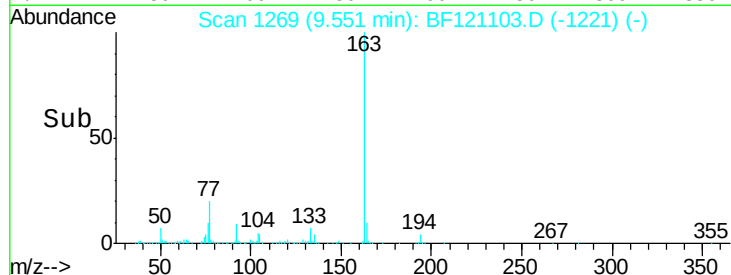
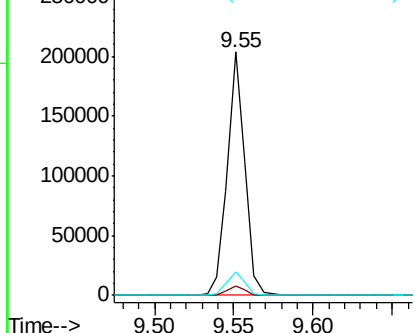
#50
Dimethylphthalate
Concen: 16.107 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121103.D
Acq: 29 Jul 2020 15:50

Instrument :
BNA_F
ClientSampleId :
11936RE

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.9	8.4	12.6

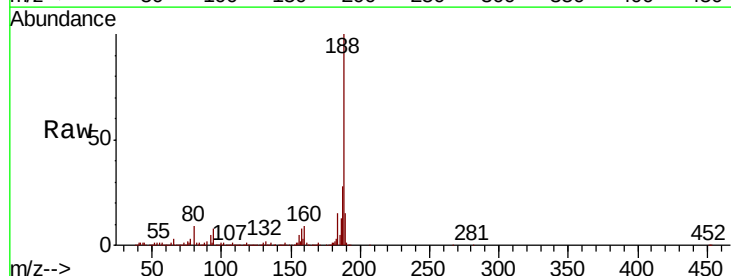


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

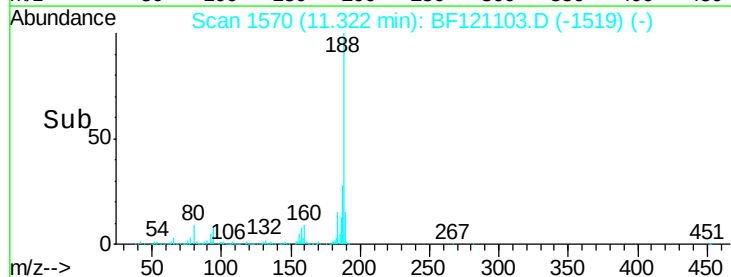
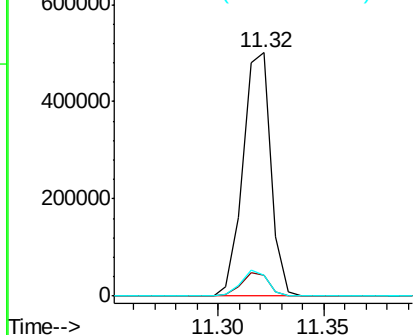


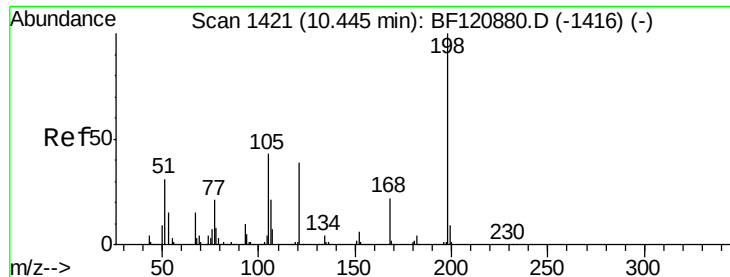
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF121103.D
Acq: 29 Jul 2020 15:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.0	12.0
80	8.8	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

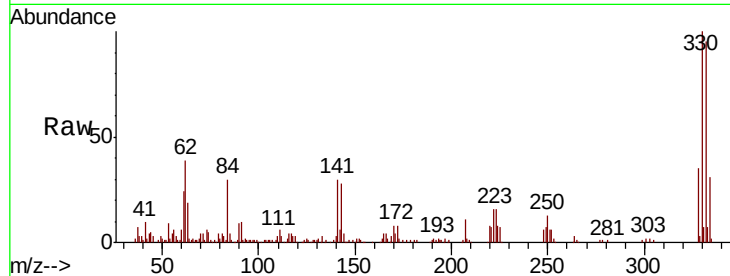




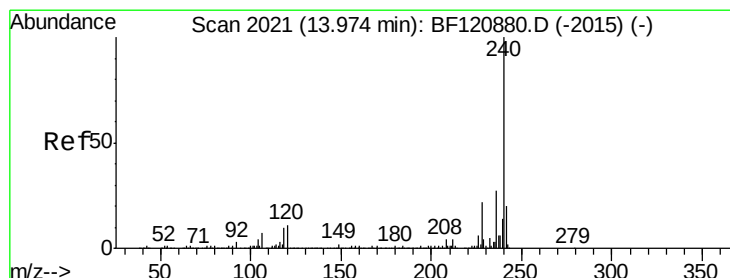
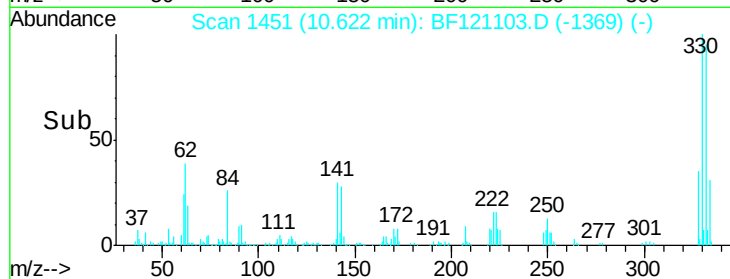
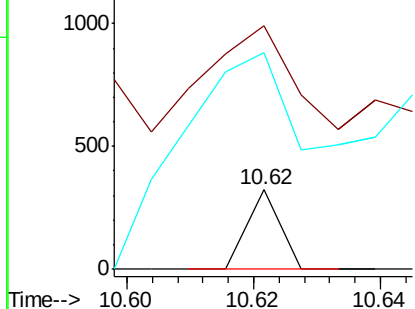
#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.882 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.18 min
 Lab File: BF121103.D
 Acq: 29 Jul 2020 15:50

Instrument :
 BNA_F
 ClientSampleId :
 11936RE

Tot Ion:198 Resp: 114
 Ion Ratio Lower Upper
 198 100
 51 307.8 23.4 63.4#
 105 274.5 23.7 63.7#

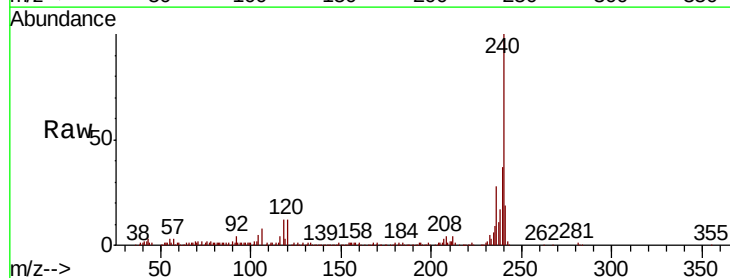


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

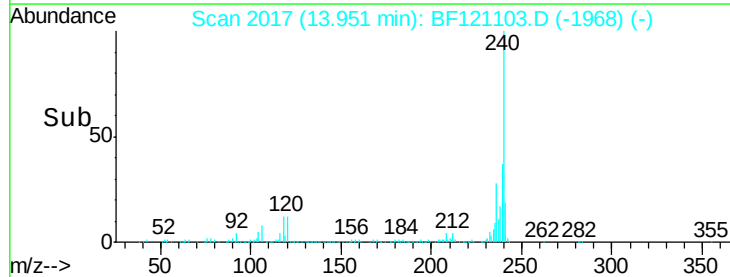
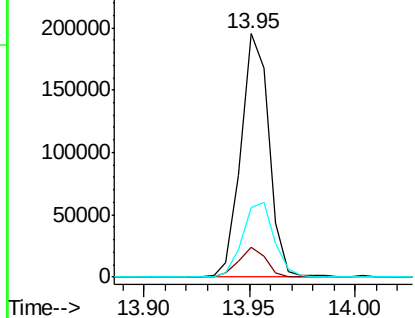


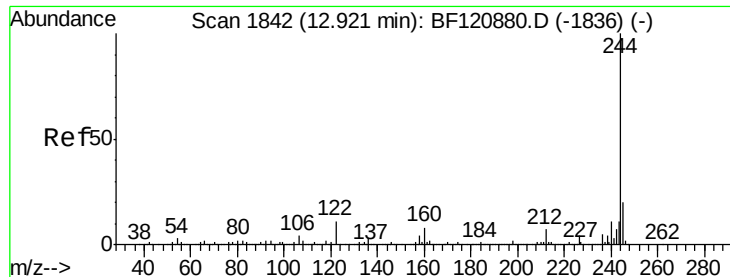
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF121103.D
 Acq: 29 Jul 2020 15:50

Tgt Ion:240 Resp: 179925
 Ion Ratio Lower Upper
 240 100
 120 12.4 9.3 13.9
 236 28.4 21.1 31.7



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

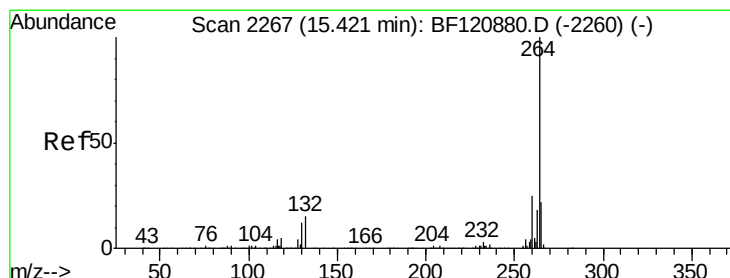
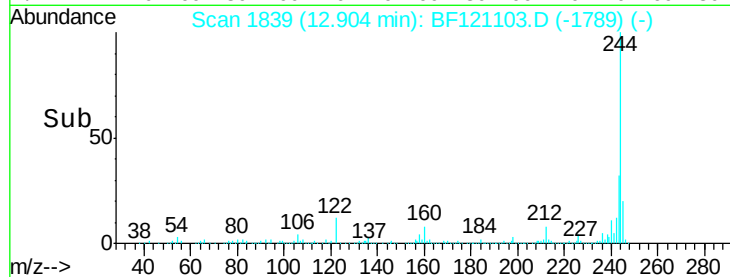
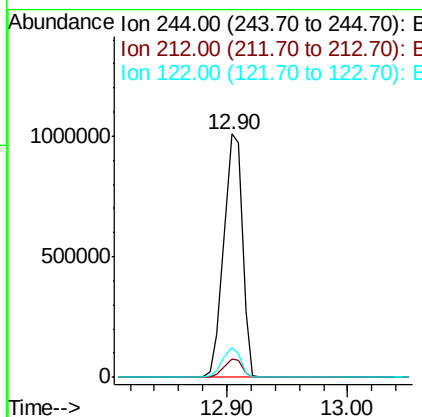
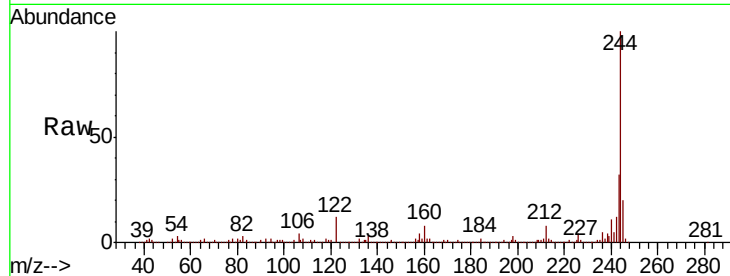




#79
 Terphenyl-d14
 Concen: 131.079 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF121103.D
 Acq: 29 Jul 2020 15:50

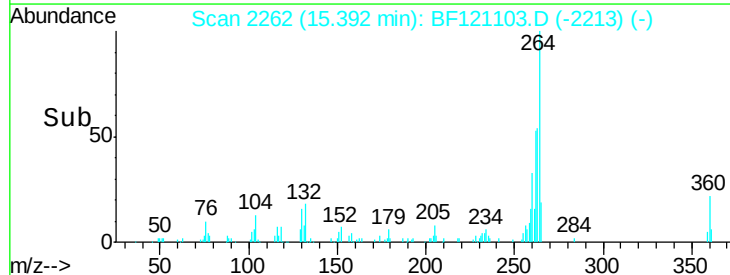
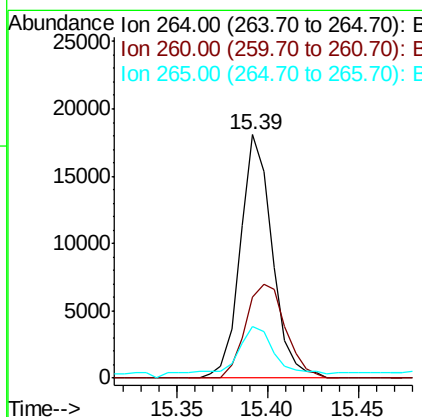
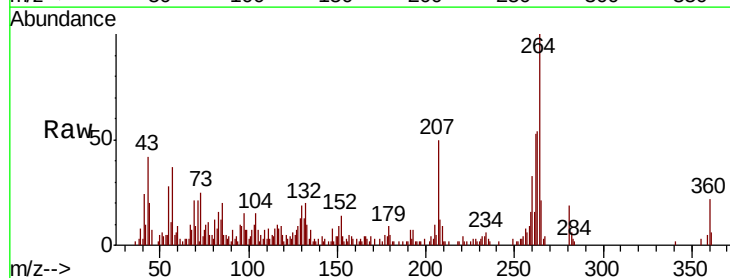
Instrument :
 BNA_F
 ClientSampleId :
 11936RE

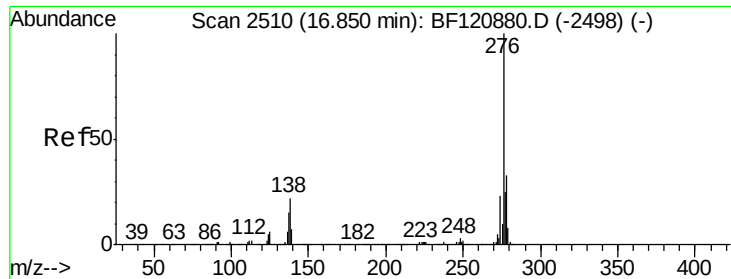
Tot Ion:244 Resp: 1084944
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 12.0 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2262
 Delta R.T. -0.01 min
 Lab File: BF121103.D
 Acq: 29 Jul 2020 15:50

Tgt Ion:264 Resp: 22092
 Ion Ratio Lower Upper
 264 100
 260 33.1 19.9 29.9#
 265 21.3 17.8 26.8

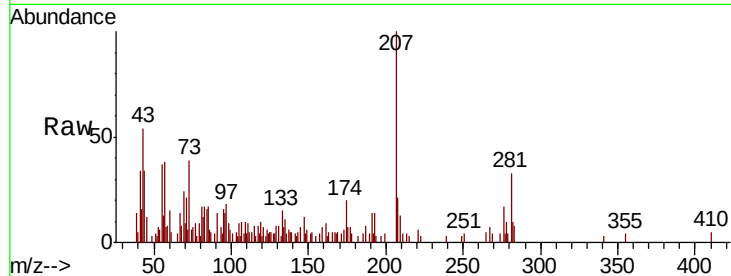




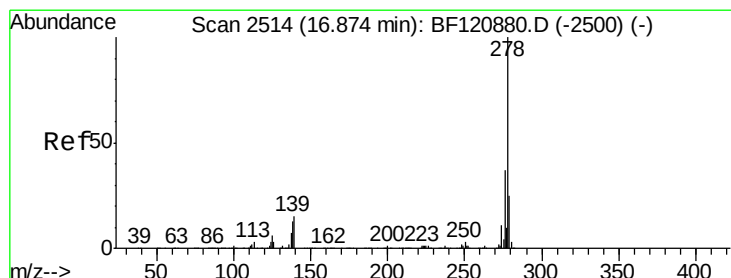
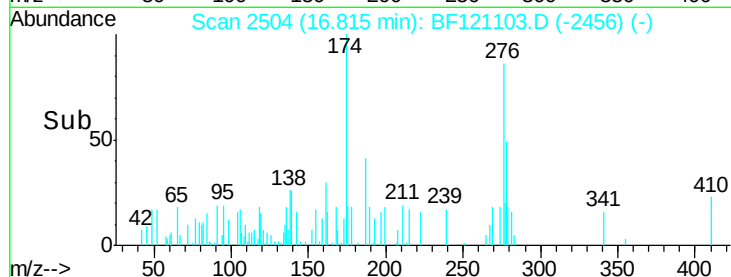
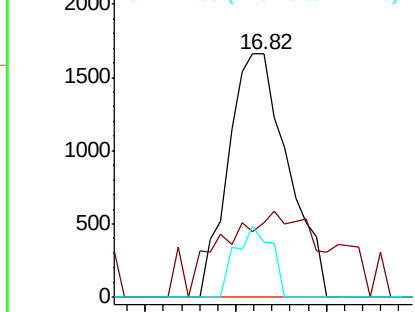
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.470 ng
 RT: 16.82 min Scan# 2504
 Delta R.T. -0.02 min
 Lab File: BF121103.D
 Acq: 29 Jul 2020 15:50

Instrument :
 BNA_F
 ClientSampled :
 11936RE

Tot Ion:276 Resp: 3795
 Ion Ratio Lower Upper
 276 100
 138 52.6 19.3 28.9#
 277 17.7 20.1 30.1#

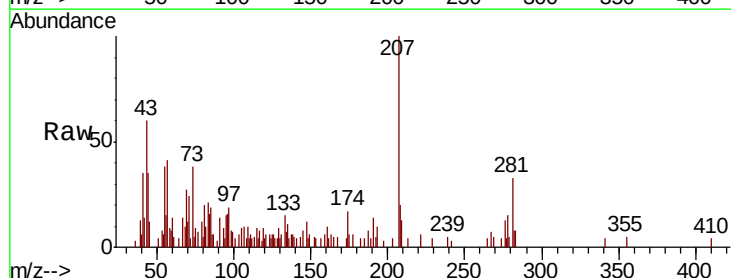


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

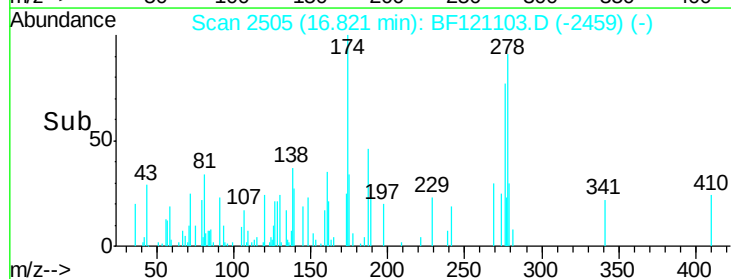
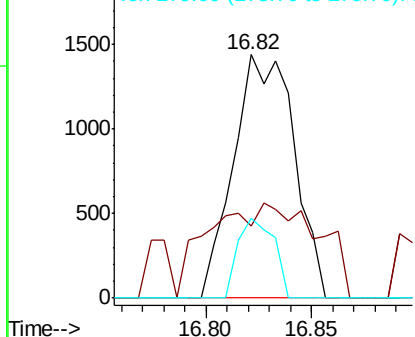


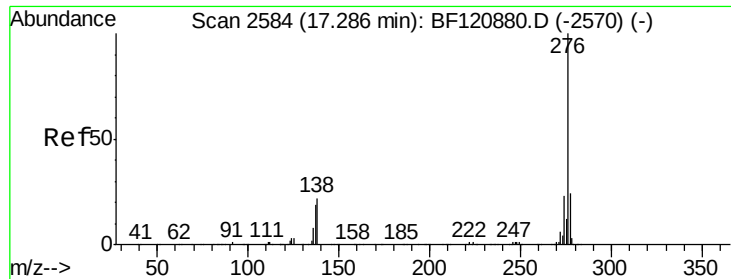
#91
 Dibenzo(a,h)anthracene
 Concen: 2.277 ng
 RT: 16.82 min Scan# 2505
 Delta R.T. -0.03 min
 Lab File: BF121103.D
 Acq: 29 Jul 2020 15:50

Tgt Ion:278 Resp: 2858
 Ion Ratio Lower Upper
 278 100
 139 29.5 12.6 18.8#
 279 32.9 19.5 29.3#



Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 2.643 ng

RT: 17.23 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF121103.D

Acq: 29 Jul 2020 15:50

Instrument :

BNA_F

ClientSampleId :

11936RE

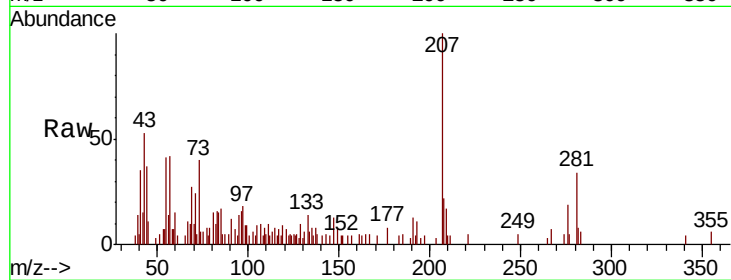
Tot Ion:276 Resp: 3271

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.0

138 28.7 17.2 25.8



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

