

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
 Data File : BF115127.D
 Acq On : 22 Jun 2019 18:10
 Operator : HP/JU
 Sample : K3421-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1

Quant Time: Jun 24 04:36:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 04:21:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	297947	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1126536	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	551875	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1054296	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	629846	20.00	ng	-0.02
87) Perylene-d12	15.08	264	660741	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	1596228	82.67	ng	0.00
7) Phenol-d6	6.25	99	1986248	84.76	ng	0.00
23) Nitrobenzene-d5	7.17	82	1169850	63.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.41	330	419967	72.16	ng	-0.02
45) 2-Fluorobiphenyl	8.97	172	2098670	64.60	ng	-0.01
79) Terphenyl-d14	12.69	244	2043924	69.00	ng	-0.01

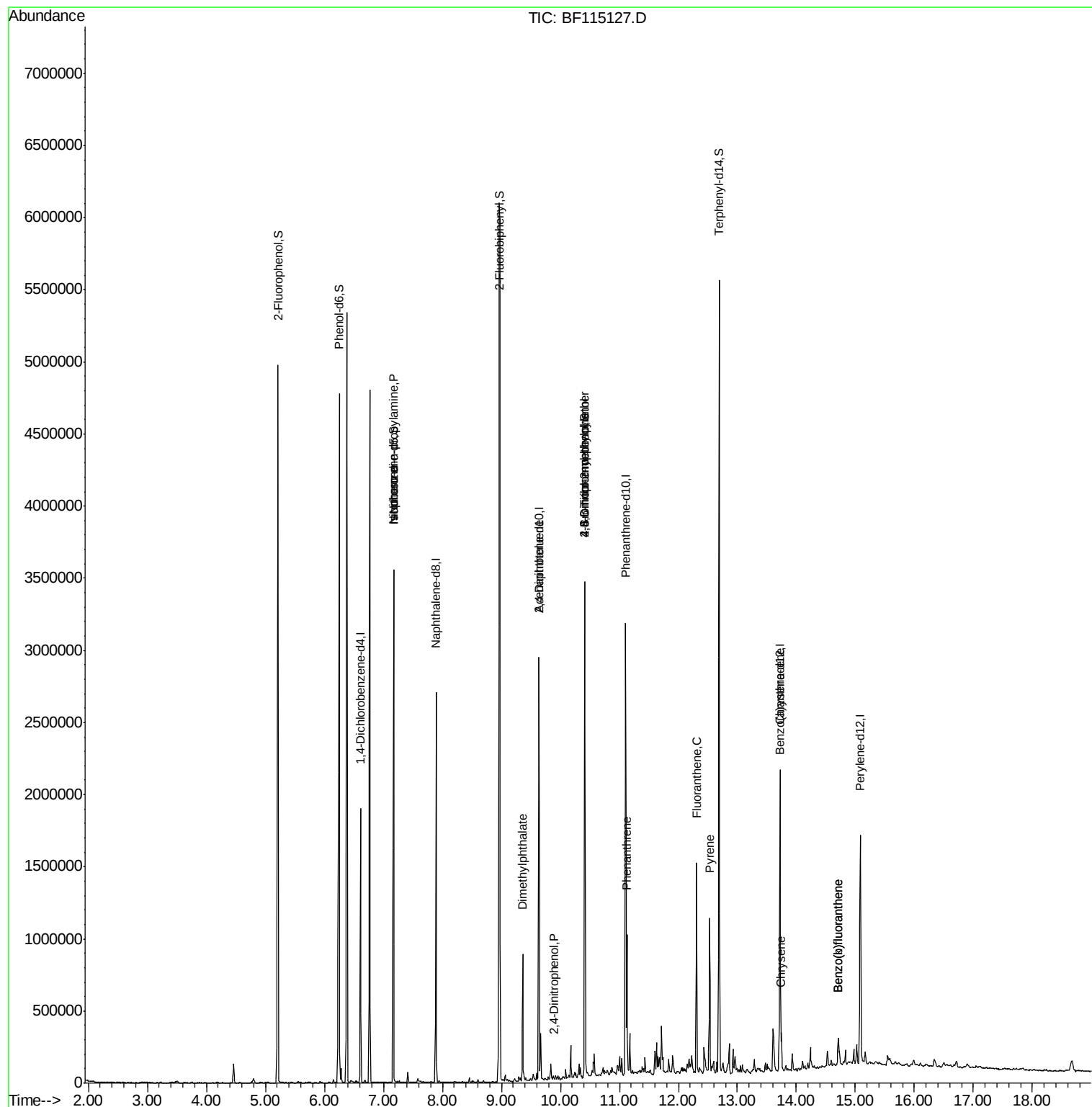
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.17	70	154699	10.311	ng	# 77
25) Isophorone	7.17	82	1157767	30.861	ng	# 63
50) Dimethylphthalate	9.36	163	315404	7.768	ng	99
54) 2,4-Dinitrophenol	9.90	184	282	7.397	ng	# 24
57) 2,4-Dinitrotoluene	9.64	165	73226	6.050	ng	# 30
58) Fluorene	10.18	166	59498	Below Cal		97
65) 4,6-Dinitro-2-methylphenol	10.41	198	983	5.117	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	25869	2.263	ng	# 1
71) Phenanthrene	11.13	178	351363	6.190	ng	96
75) Fluoranthene	12.31	202	503713	8.894	ng	97
78) Pyrene	12.53	202	389836	8.054	ng	99
81) Benzo(a)anthracene	13.71	228	116393	2.575	ng	99
83) Chrysene	13.75	228	107799	2.604	ng	96
88) Benzo(b)fluoranthene	14.71	252	128020	3.105	ng	# 97
89) Benzo(k)fluoranthene	14.71	252	128020	3.463	ng	97

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

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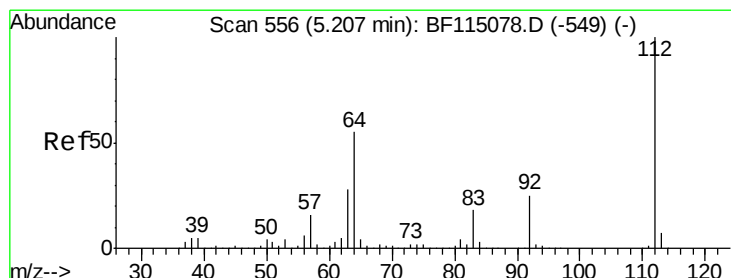
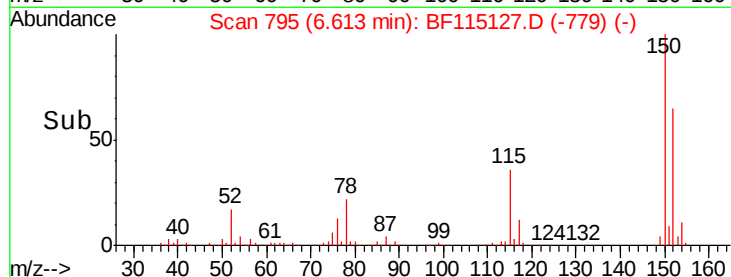
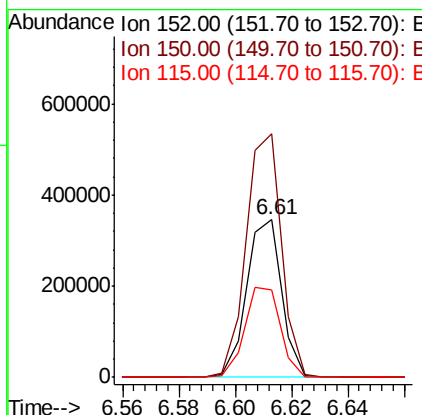
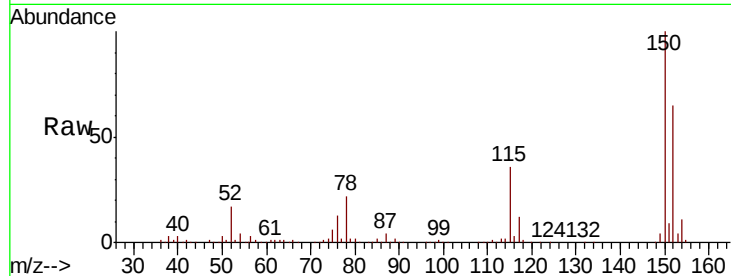


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

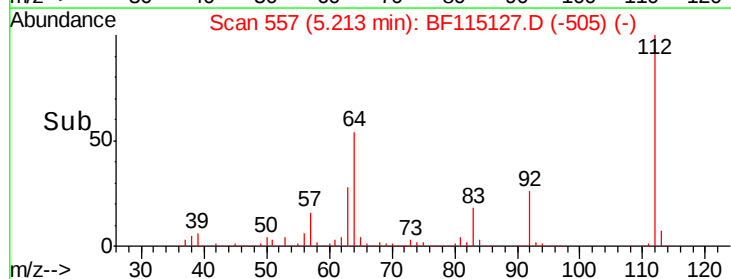
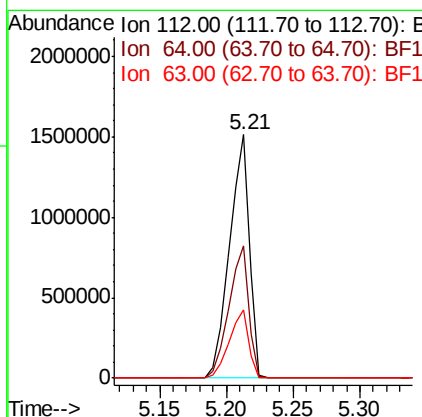
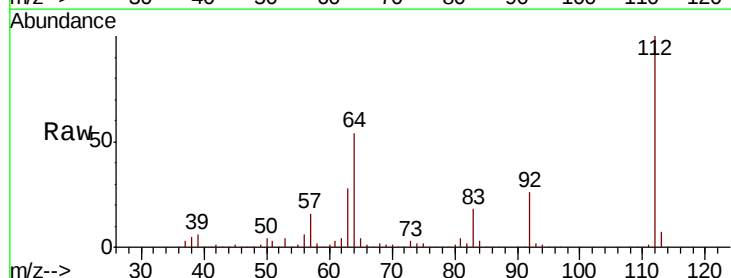
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.2	186.2
115	55.4	46.1	69.1



#5

2-Fluorophenol
Concen: 82.674 ng
RT: 5.21 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	43.8	65.6
63	27.9	22.2	33.4





#7

Phenol-d6

Concen: 84.757 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115127.D

Acq: 22 Jun 2019 18:10

Instrument :

BNA_F

ClientSampleId :

SAMPLE-1

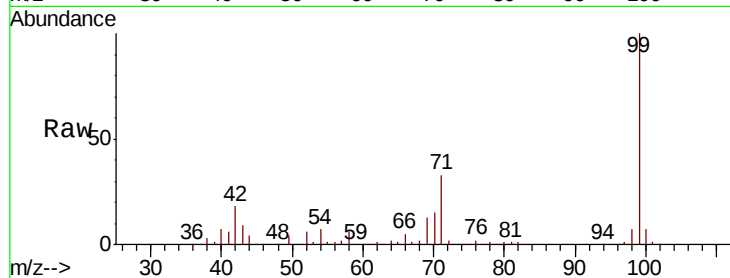
Tot Ion: 99 Resp: 1986248

Ion Ratio Lower Upper

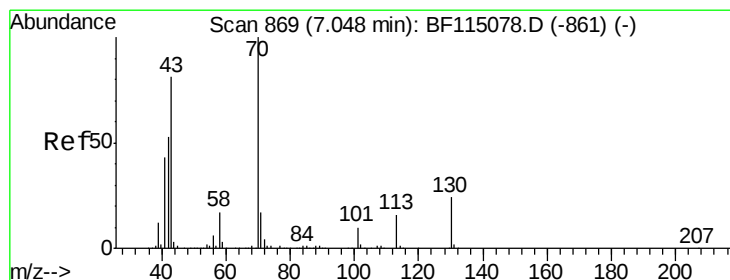
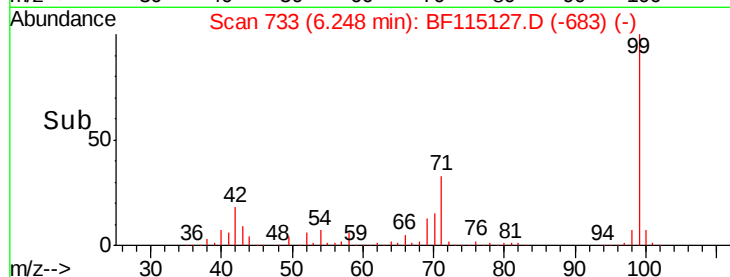
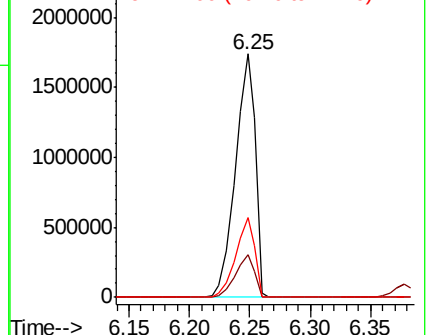
99 100

42 17.5 13.6 20.4

71 33.0 25.5 38.3



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: 10.311 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115127.D

Acq: 22 Jun 2019 18:10

Tgt Ion: 70 Resp: 154699

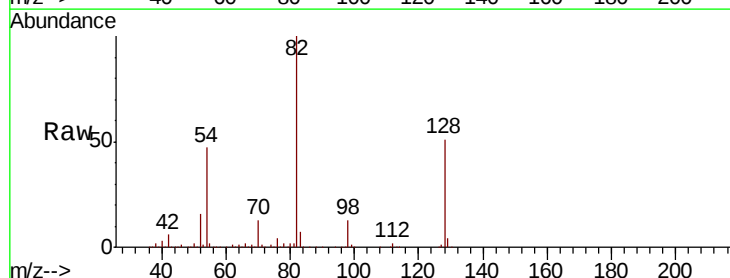
Ion Ratio Lower Upper

70 100

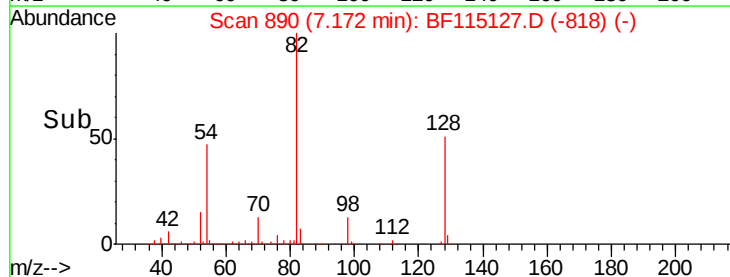
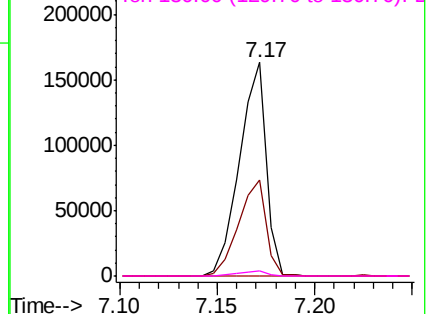
42 44.8 42.6 63.8

101 0.0 8.0 12.0#

130 2.3 19.4 29.0#



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

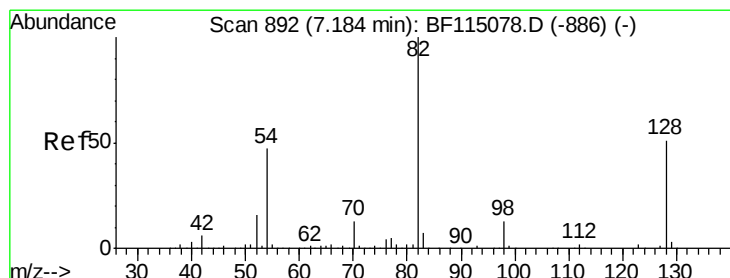
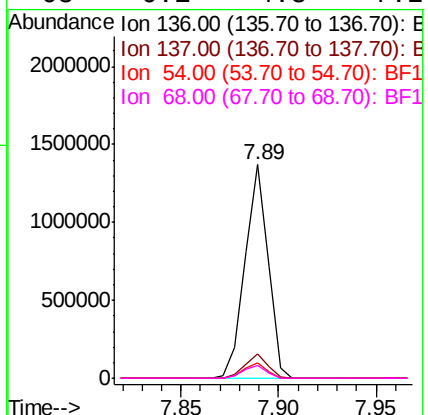
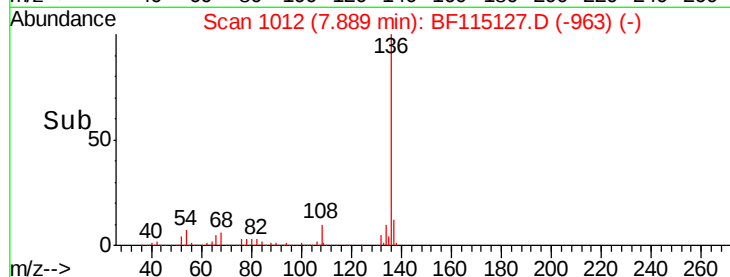
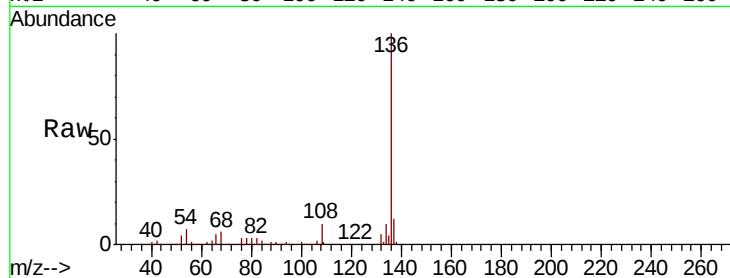




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

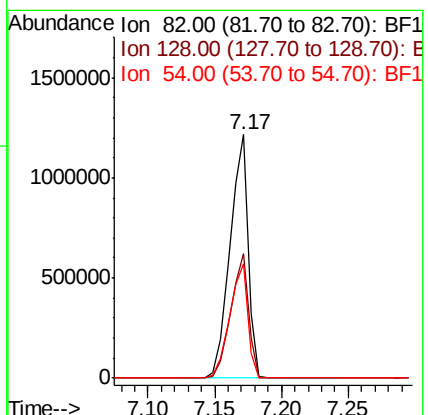
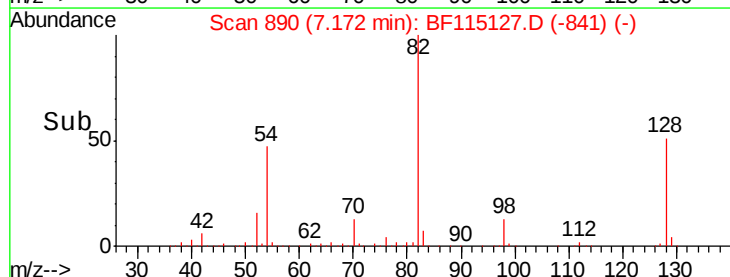
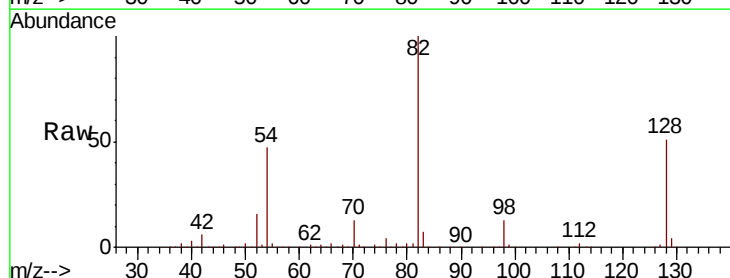
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

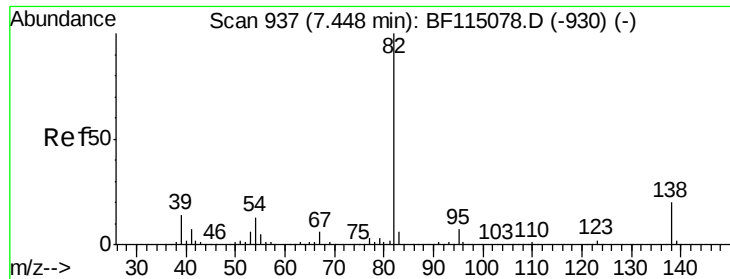
Tot Ion:136 Resp: 1126536
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 7.0 5.6 8.4
68 6.1 4.8 7.2



#23
Nitrobenzene-d5
Concen: 63.881 ng
RT: 7.17 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

Tgt Ion: 82 Resp: 1169850
Ion Ratio Lower Upper
82 100
128 51.1 40.4 60.6
54 46.8 37.5 56.3





#25

Isophorone

Concen: 30.861 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115127.D

Acq: 22 Jun 2019 18:10

Instrument :

BNA_F

ClientSampleId :

SAMPLE-1

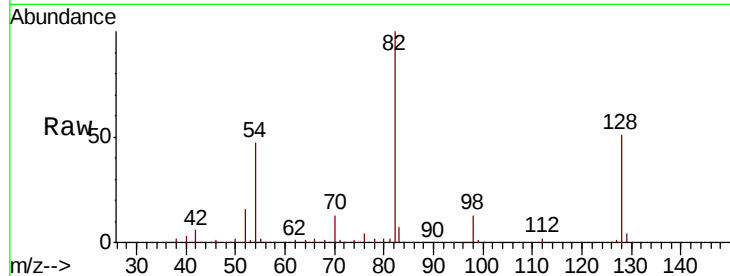
Tot Ion: 82 Resp: 1157767

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

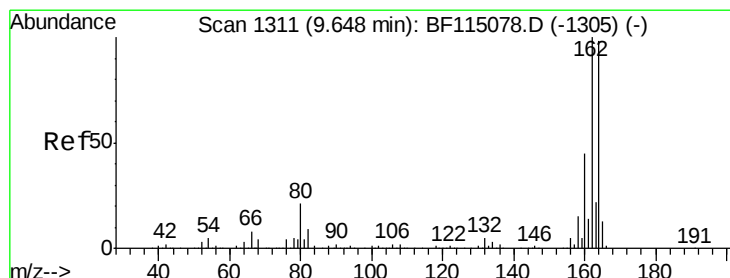
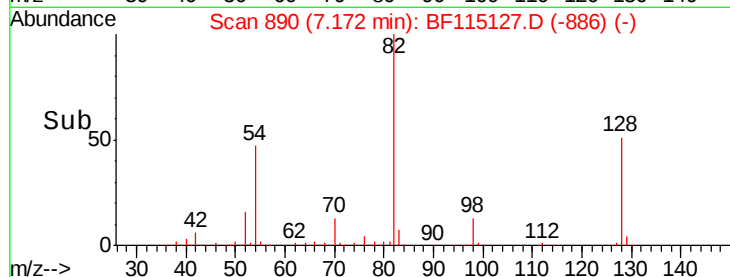
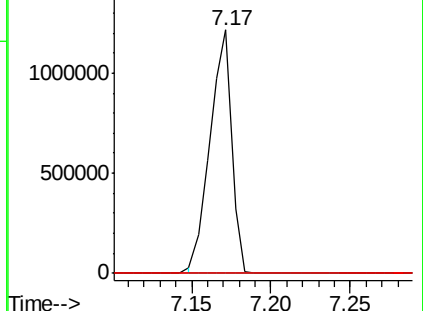
138 0.0 15.9 23.9#



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: 9.64 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115127.D

Acq: 22 Jun 2019 18:10

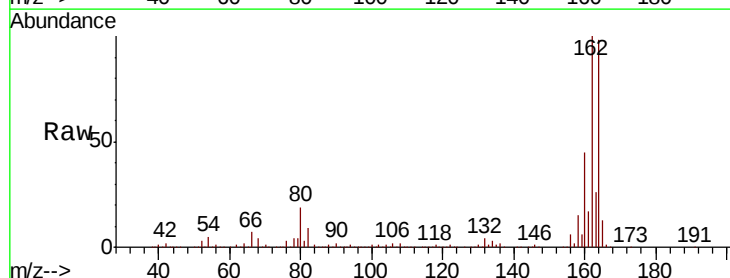
Tgt Ion: 164 Resp: 551875

Ion Ratio Lower Upper

164 100

162 101.7 81.7 122.5

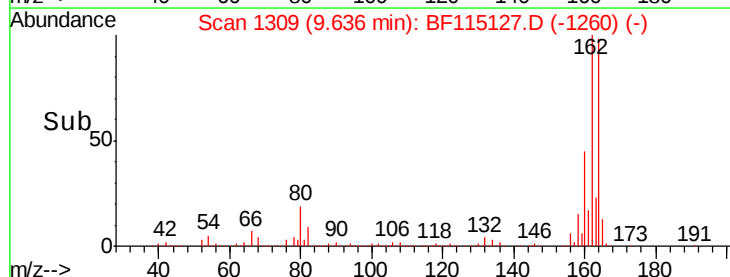
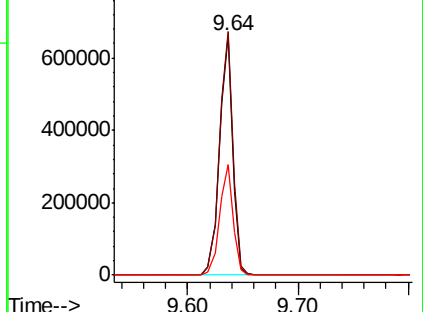
160 46.2 37.0 55.4

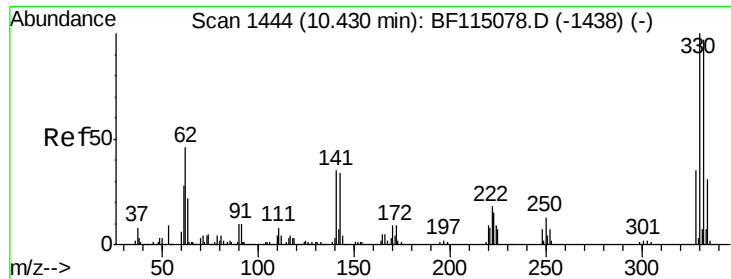


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

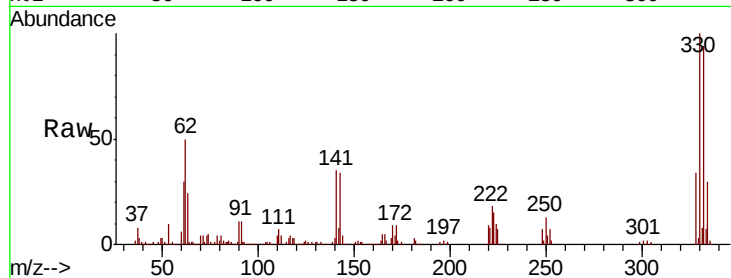




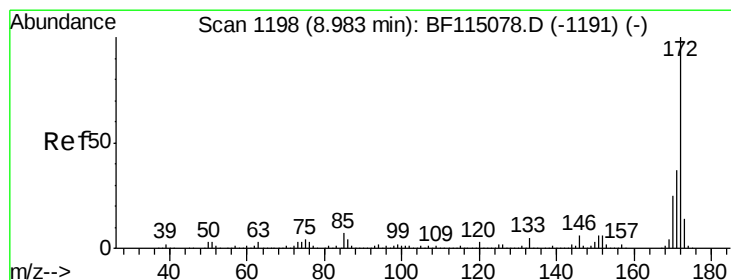
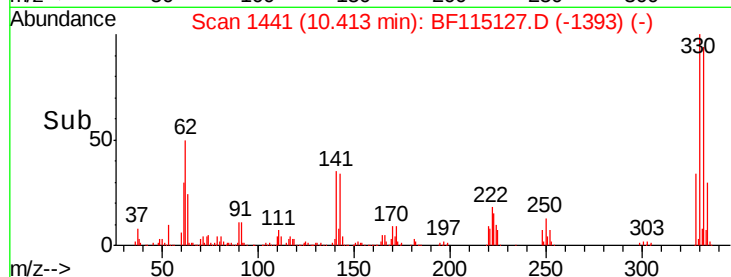
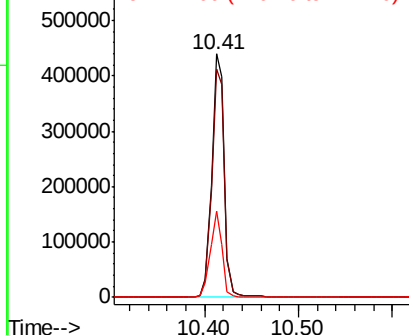
#42
 2,4,6-Tribromophenol
 Concen: 72.163 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. -0.02 min
 Lab File: BF115127.D
 Acq: 22 Jun 2019 18:10

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1

Tot Ion:330 Resp: 419967
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.3 115.9
 141 33.7 28.2 42.2

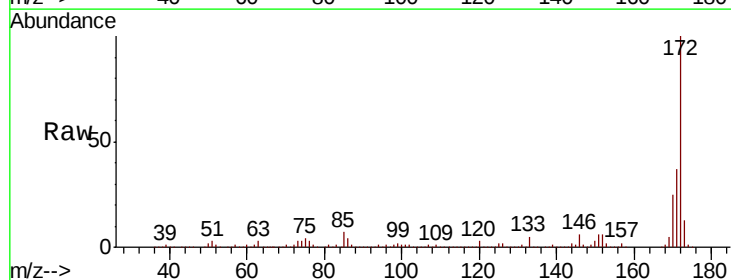


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

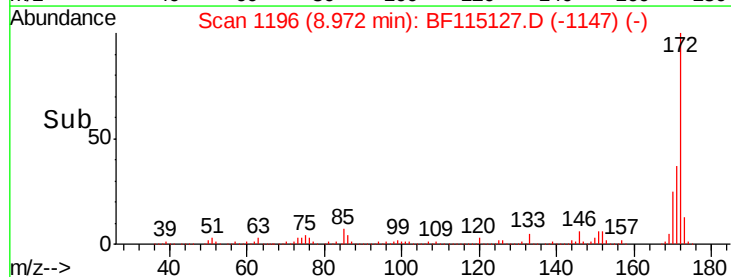
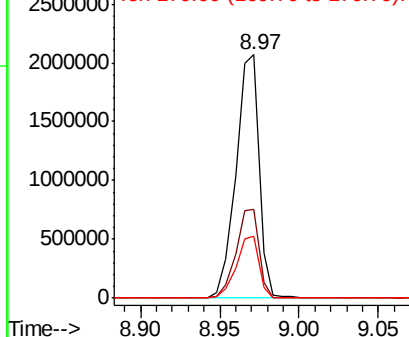


#45
 2-Fluorobiphenyl
 Concen: 64.595 ng
 RT: 8.97 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF115127.D
 Acq: 22 Jun 2019 18:10

Tgt Ion:172 Resp: 2098670
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.8 44.6
 170 25.4 20.3 30.5



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

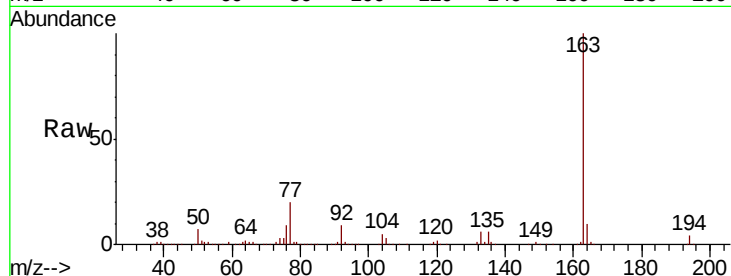




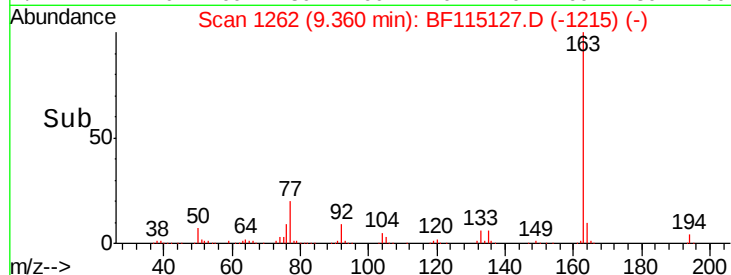
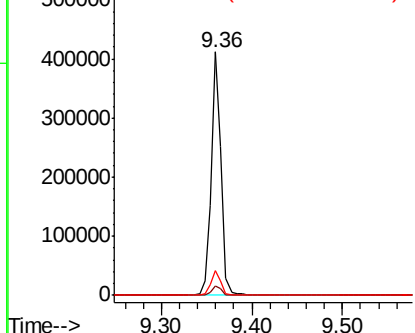
#50
Dimethylphthalate
Concen: 7.768 ng
RT: 9.36 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

Instrument :
BNA_F
ClientSampled :
SAMPLE-1

Tot Ion:163 Resp: 315404
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.1 8.6 13.0

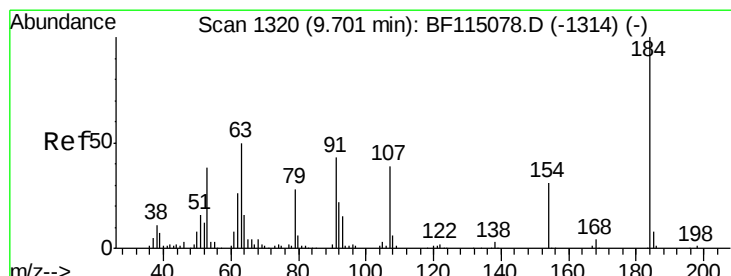


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

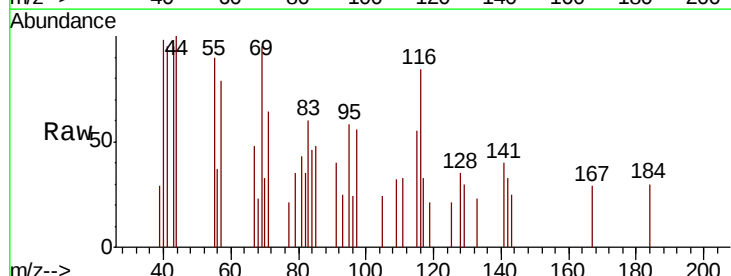
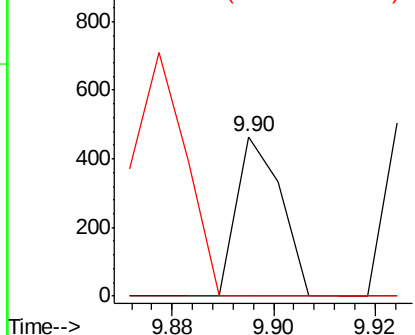


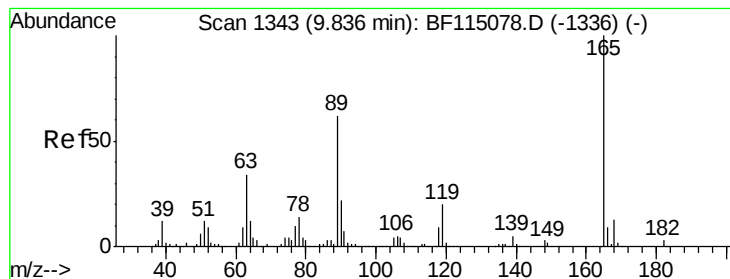
#54
2,4-Dinitrophenol
Concen: 7.397 ng
RT: 9.90 min Scan# 1353
Delta R.T. 0.19 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

Tgt Ion:184 Resp: 282
Ion Ratio Lower Upper
184 100
63 0.0 41.9 62.9#
154 0.0 44.7 67.1#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 6.050 ng

RT: 9.64 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF115127.D

Acq: 22 Jun 2019 18:10

Instrument :

BNA_F

ClientSampleId :

SAMPLE-1

Tot Ion:165 Resp: 73226

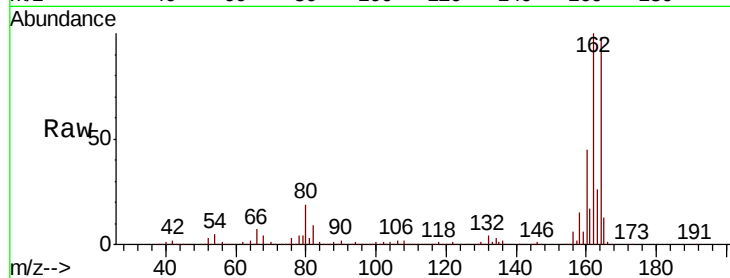
Ion Ratio Lower Upper

165 100

63 1.0 27.5 41.3#

89 1.5 49.9 74.9#

182 0.0 2.1 3.1#

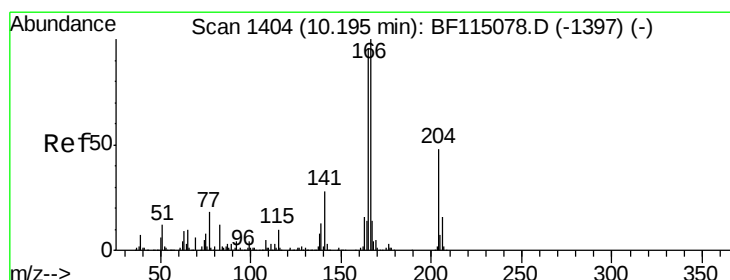
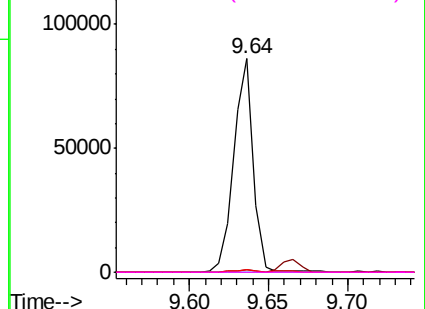
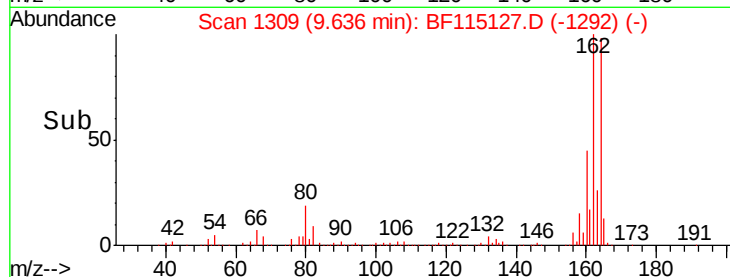


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: Below Cal

RT: 10.18 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BF115127.D

Acq: 22 Jun 2019 18:10

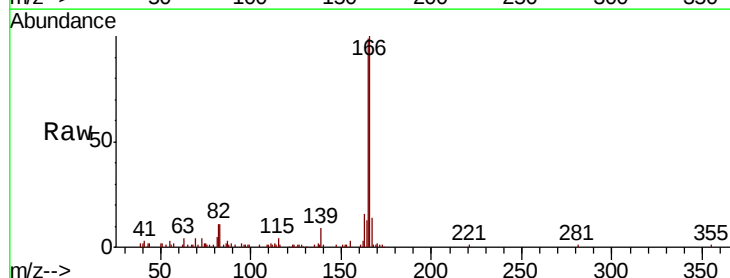
Tgt Ion:166 Resp: 59498

Ion Ratio Lower Upper

166 100

165 98.9 76.5 114.7

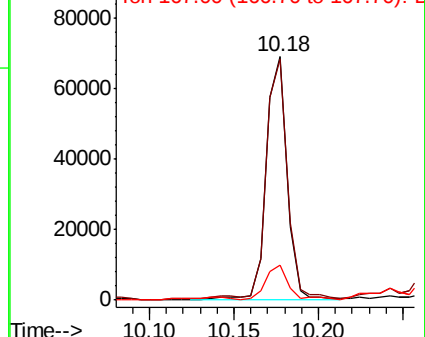
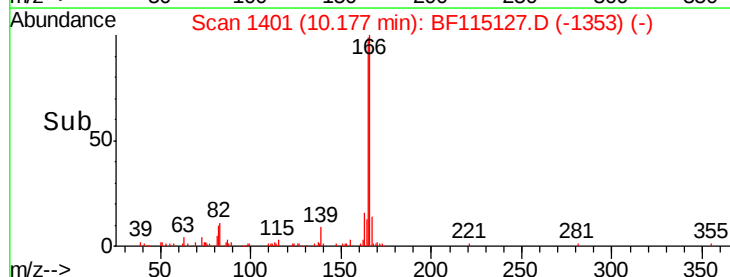
167 14.2 11.0 16.4

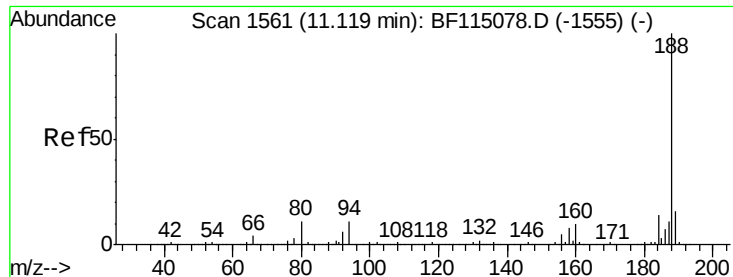


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

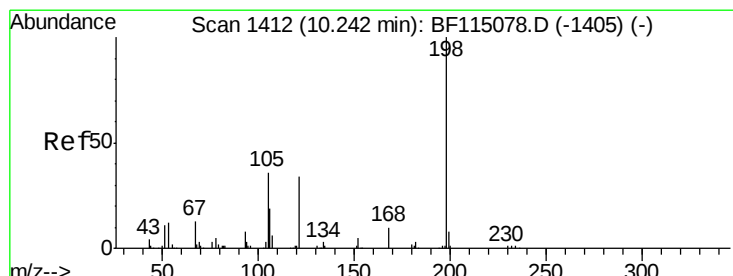
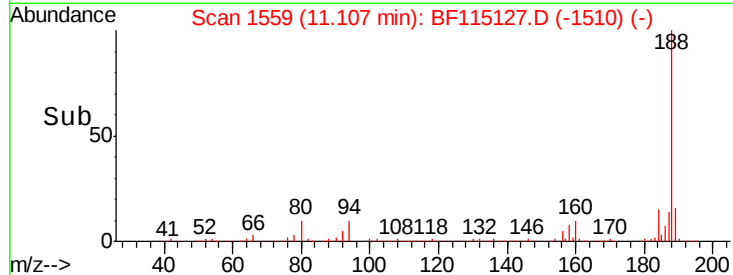
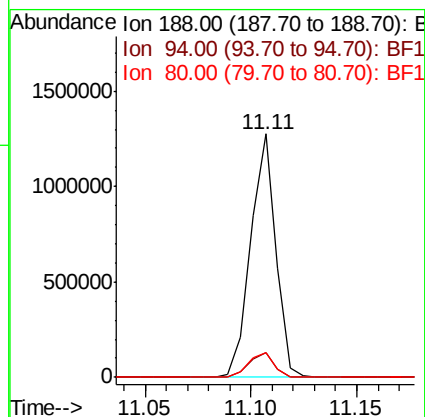
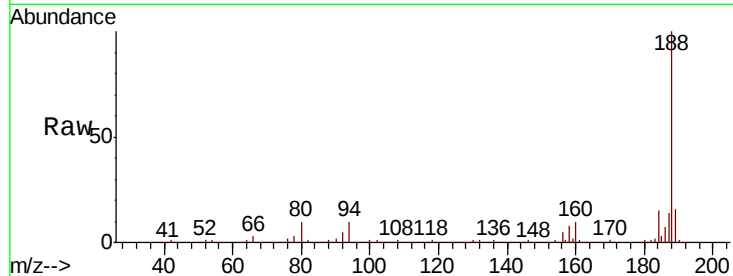




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

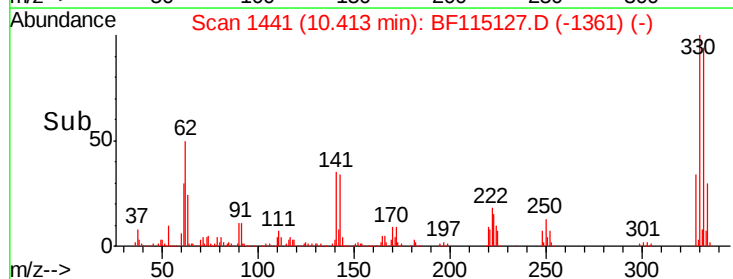
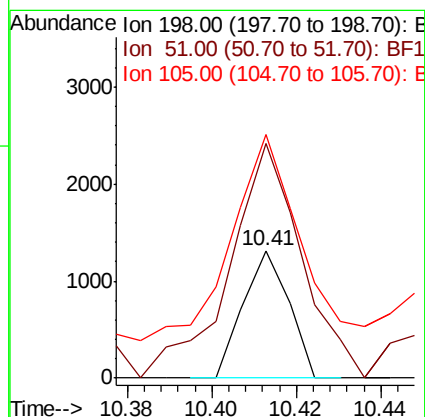
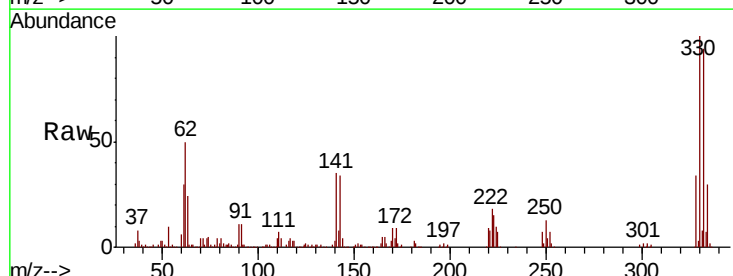
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

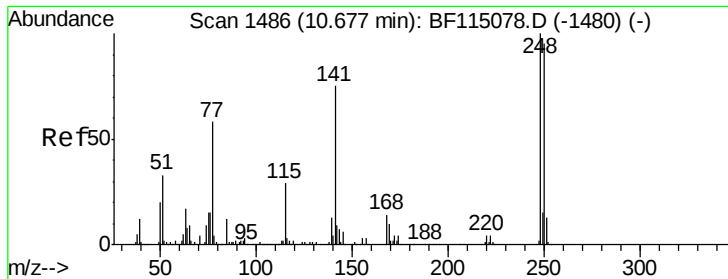
Tot Ion:188 Resp: 1054296
Ion Ratio Lower Upper
188 100
94 9.9 8.6 12.8
80 10.2 8.8 13.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.117 ng
RT: 10.41 min Scan# 1441
Delta R.T. 0.17 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

Tgt Ion:198 Resp: 983
Ion Ratio Lower Upper
198 100
51 183.9 11.0 51.0#
105 191.2 17.3 57.3#

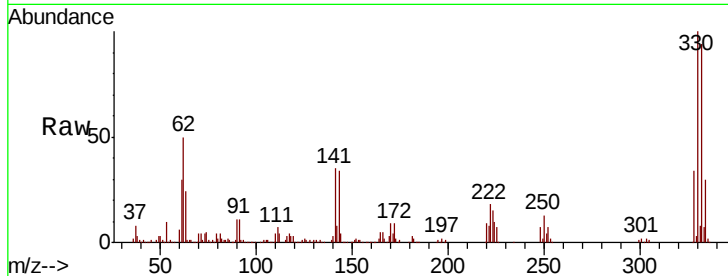




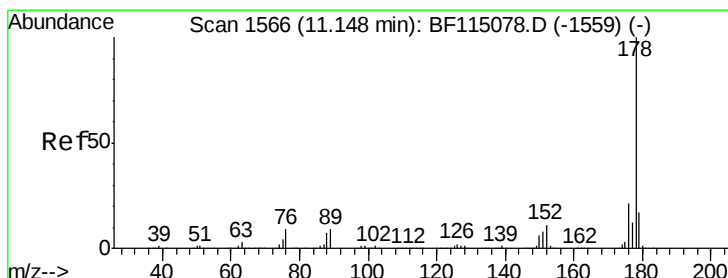
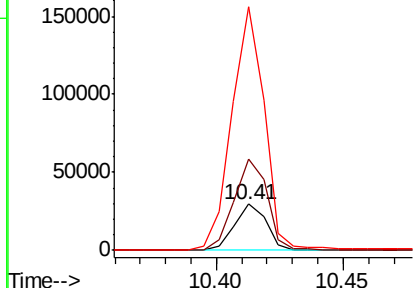
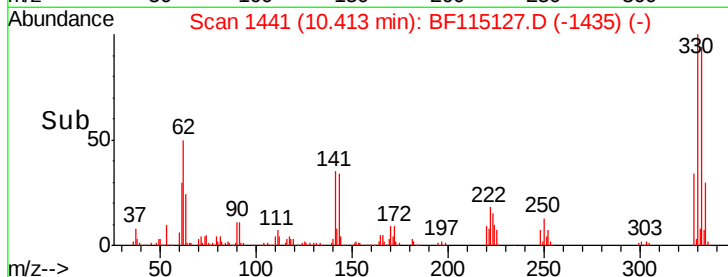
#67
 4-Bromophenyl-phenylether
 Concen: 2.263 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. -0.26 min
 Lab File: BF115127.D
 Acq: 22 Jun 2019 18:10

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1

Tot Ion:248 Resp: 25869
 Ion Ratio Lower Upper
 248 100
 250 197.5 76.2 114.2#
 141 528.5 59.6 89.4#

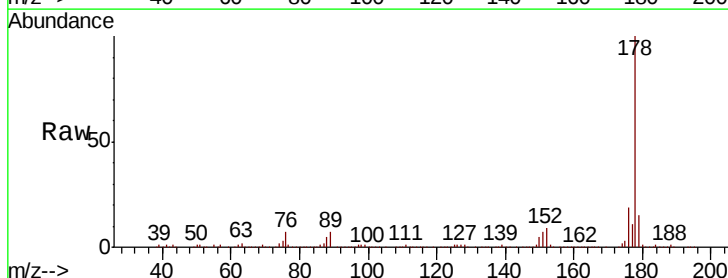


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

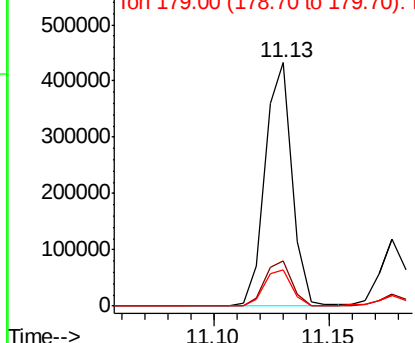
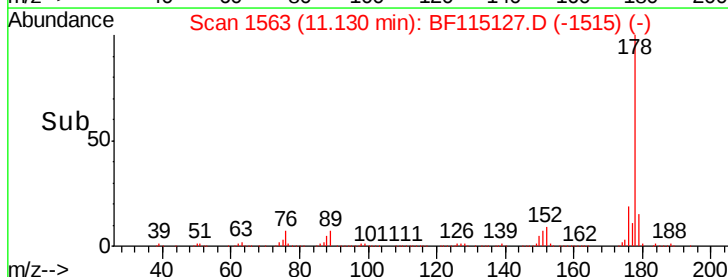


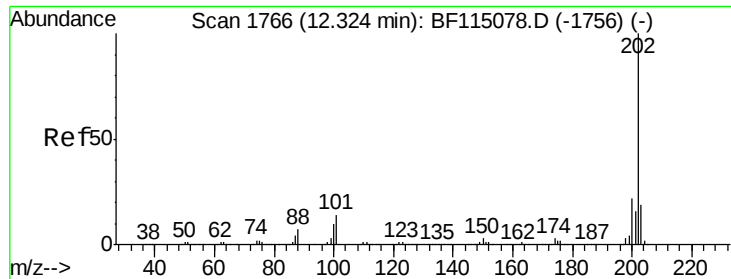
#71
 Phenanthrene
 Concen: 6.190 ng
 RT: 11.13 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: BF115127.D
 Acq: 22 Jun 2019 18:10

Tgt Ion:178 Resp: 351363
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.9 25.3
 179 15.0 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





#75

Fluoranthene

Concen: 8.894 ng

RT: 12.31 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF115127.D

Acq: 22 Jun 2019 18:10

Instrument :

BNA_F

ClientSampleId :

SAMPLE-1

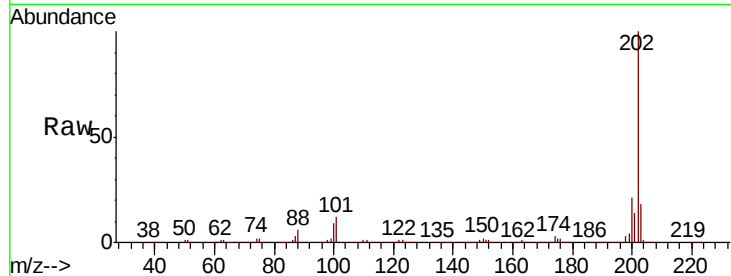
Tot Ion:202 Resp: 503713

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.0

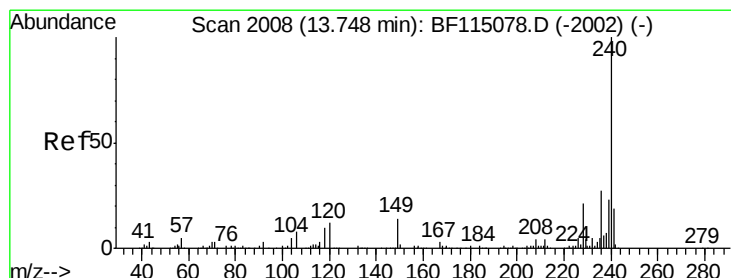
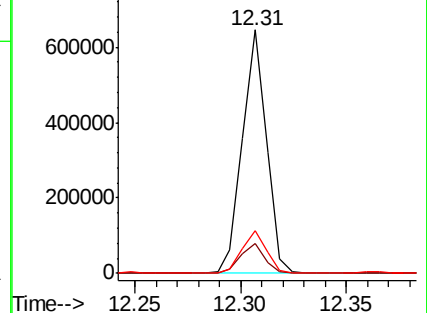
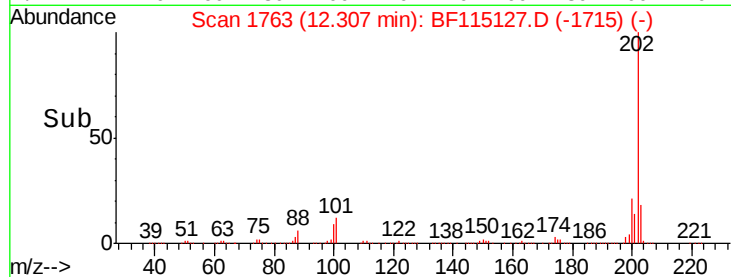
203 17.6 0.0 38.8



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: 13.72 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF115127.D

Acq: 22 Jun 2019 18:10

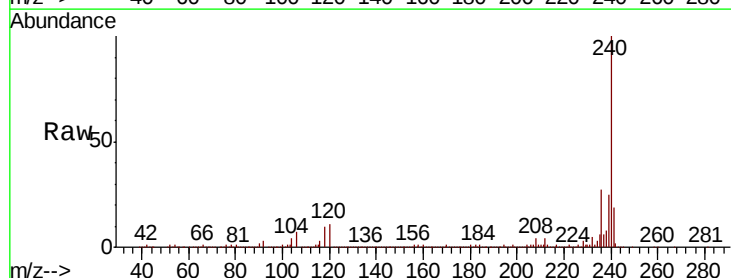
Tgt Ion:240 Resp: 629846

Ion Ratio Lower Upper

240 100

120 11.3 9.4 14.2

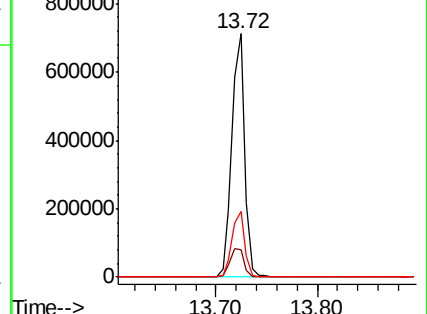
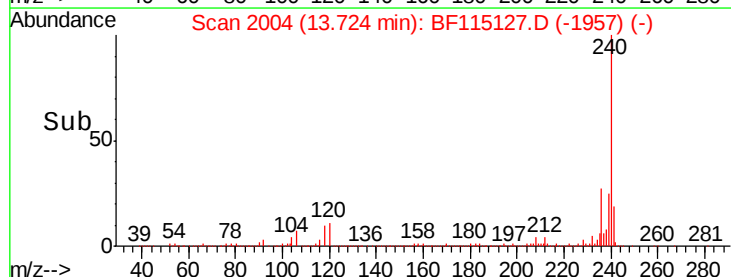
236 27.2 21.7 32.5

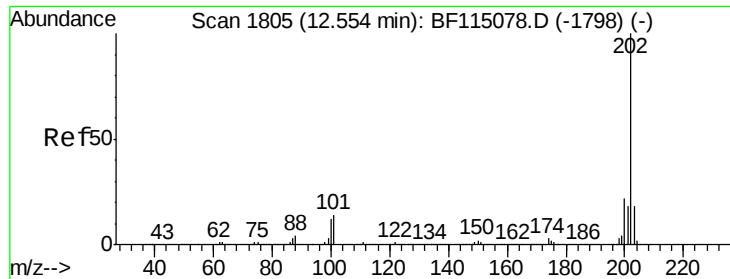


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

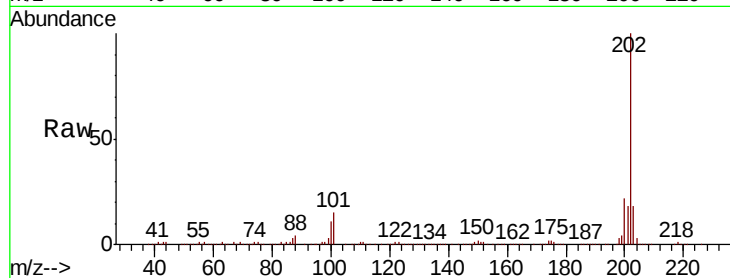




#78
Pvrene
Concen: 8.054 ng
RT: 12.53 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.9	26.9
203	18.2	14.6	21.8

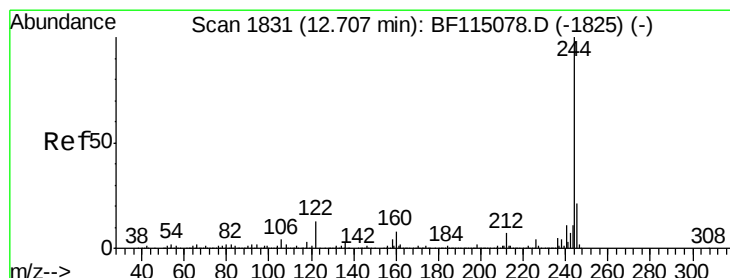
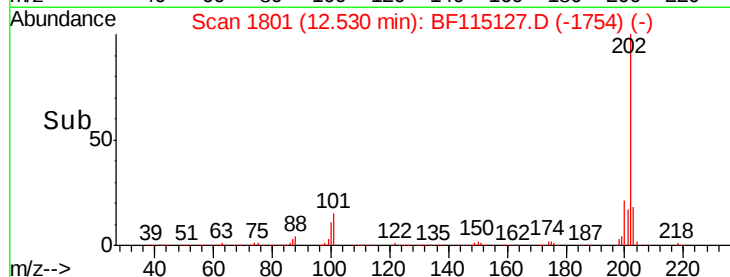
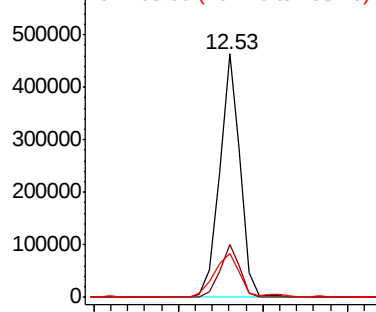


Abundance

Ion 202.00 (201.70 to 202.70): E

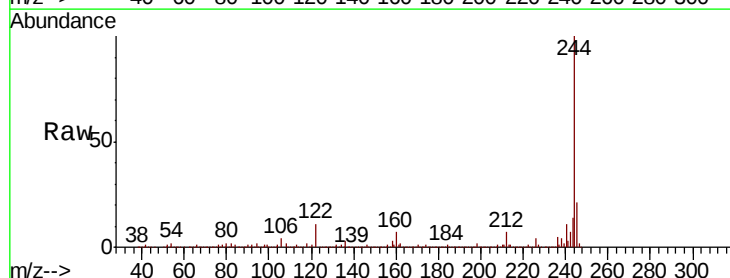
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 68.996 ng
RT: 12.69 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	11.3	10.4	15.6

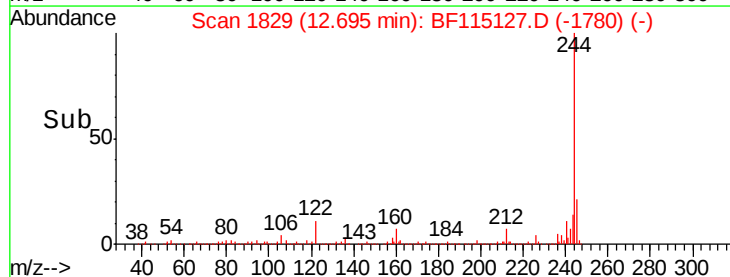
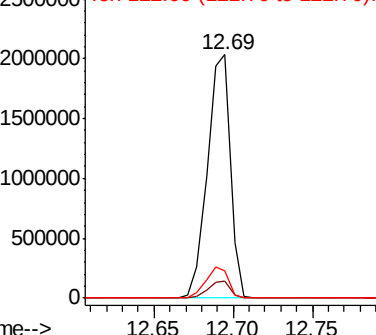


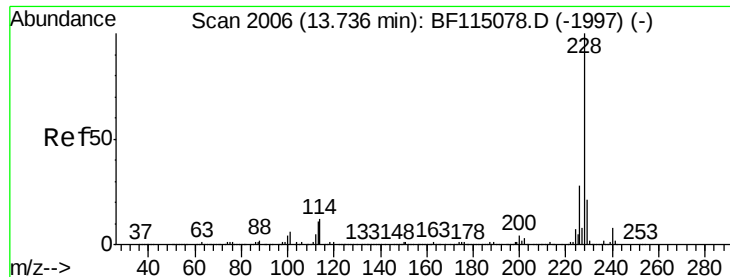
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

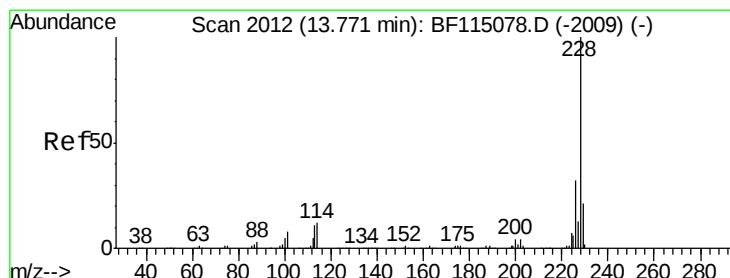
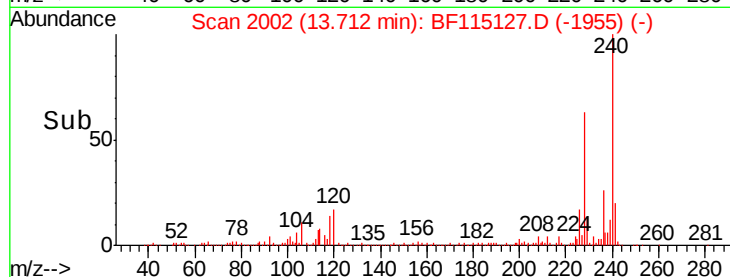
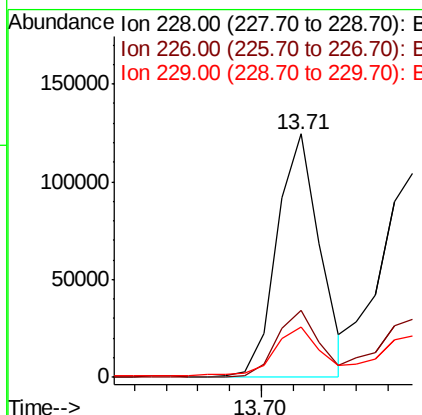
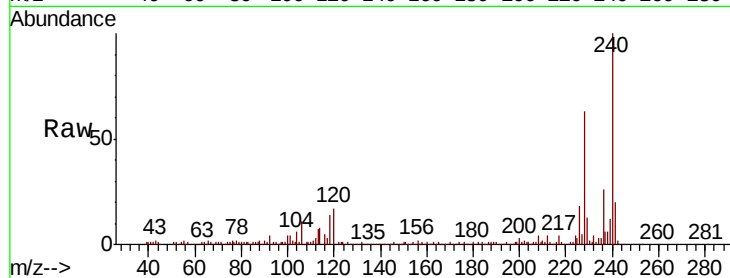




#81
Benzo(a)anthracene
Concen: 2.575 ng
RT: 13.71 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

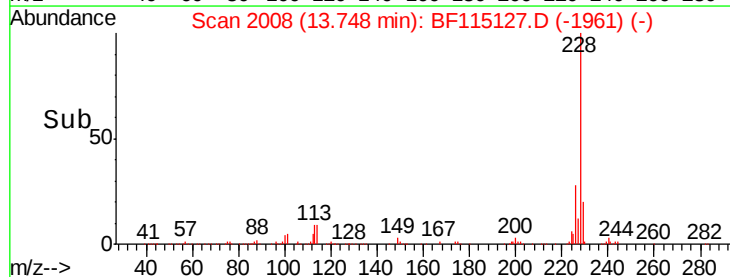
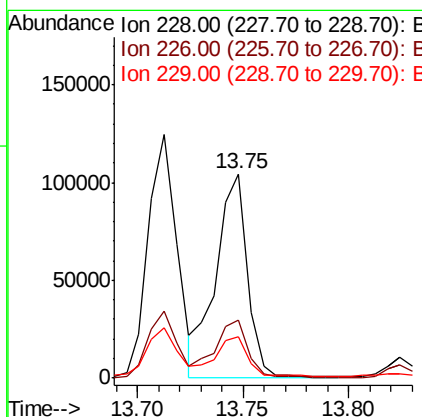
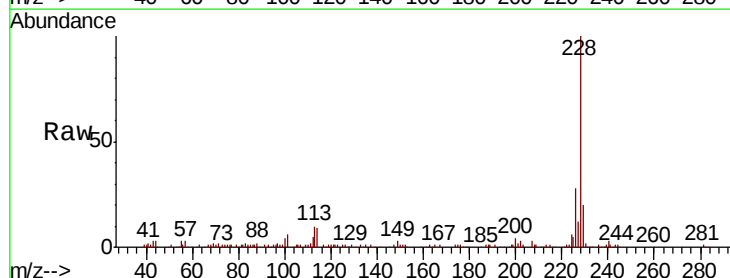
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

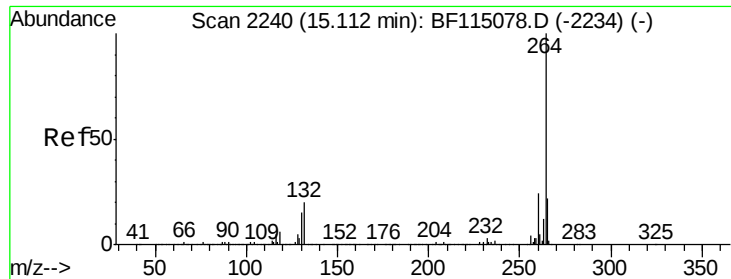
Tot Ion:228 Resp: 116393
Ion Ratio Lower Upper
228 100
226 27.6 22.5 33.7
229 20.6 16.6 24.8



#83
Chrysene
Concen: 2.604 ng
RT: 13.75 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

Tgt Ion:228 Resp: 107799
Ion Ratio Lower Upper
228 100
226 28.4 25.4 38.0
229 20.1 16.5 24.7

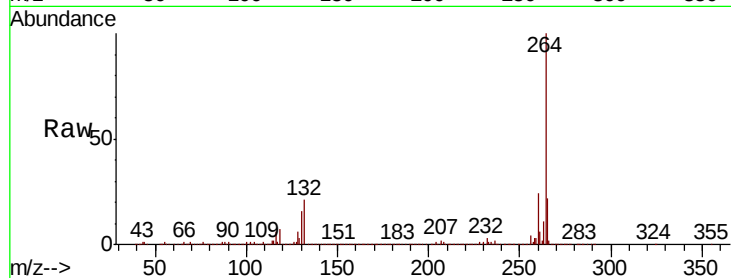




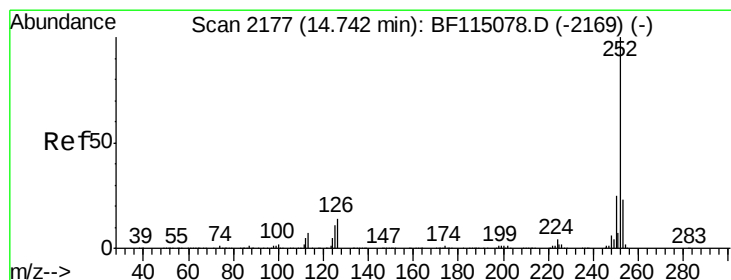
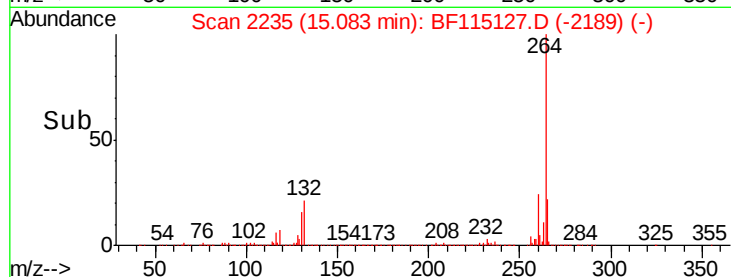
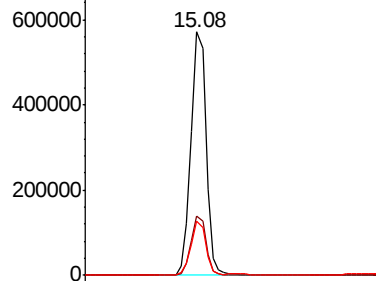
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Tot Ion:264 Resp: 660741
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 22.4 17.3 25.9

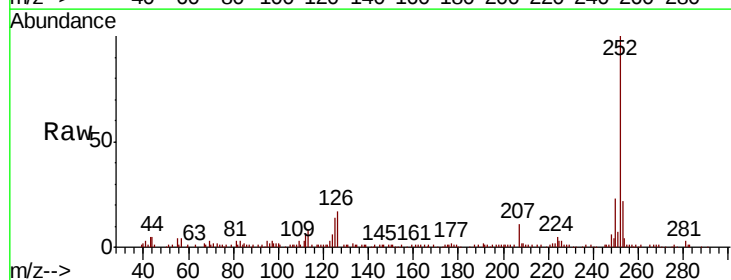


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

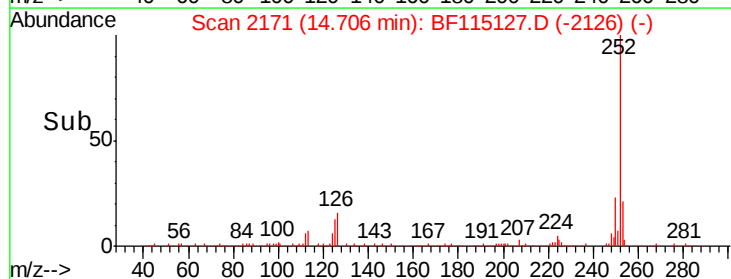
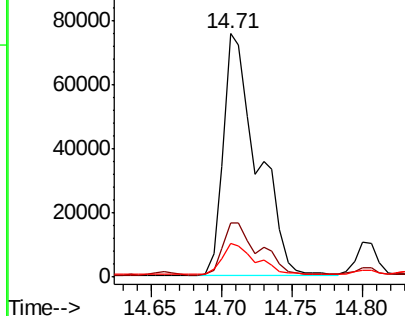


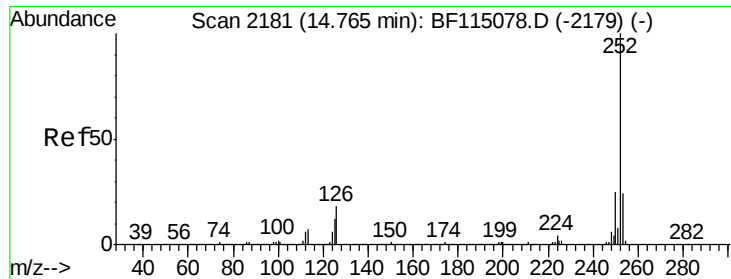
#88
Benzo(b)fluoranthene
Concen: 3.105 ng
RT: 14.71 min Scan# 2171
Delta R.T. -0.04 min
Lab File: BF115127.D
Acq: 22 Jun 2019 18:10

Tgt Ion:252 Resp: 128020
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 13.9 8.7 13.1#



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: 3.463 ng

RT: 14.71 min Scan# 2171

Delta R.T. -0.06 min

Lab File: BF115127.D

Acq: 22 Jun 2019 18:10

Instrument :

BNA_F

ClientSampleId :

SAMPLE-1

Tot Ion:252 Resp: 128020

Ion Ratio Lower Upper

252 100

253 22.2 18.9 28.3

125 13.9 10.2 15.2

