

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
 Data File : BF112593.D
 Acq On : 15 Feb 2019 21:54
 Operator : JU/SJ
 Sample : K1484-11 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-3-S

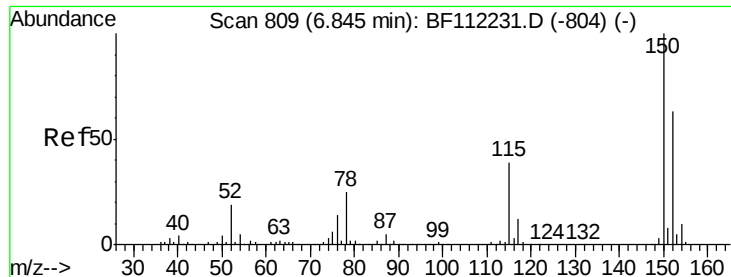
Quant Time: Feb 15 23:46:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	97764	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	388669	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	182508	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	304754	20.00	ng	0.00
76) Chrysene-d12	14.01	240	238250	20.00	ng	0.00
87) Perylene-d12	15.50	264	173434	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	252552	54.87	ng	-0.01
7) Phenol-d6	6.48	99	318635	49.82	ng	-0.01
23) Nitrobenzene-d5	7.39	82	204167	30.27	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	87517	41.20	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	435165	33.72	ng	-0.02
79) Terphenyl-d14	12.94	244	343308	27.14	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	28293	6.416	ng	# 77
25) Isophorone	7.39	82	204165	19.293	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	23959	7.544	ng	# 33
57) 2,4-Dinitrotoluene	9.87	165	23959	5.926	ng	# 30
75) Fluoranthene	12.58	202	57228	3.368	ng	95
78) Pyrene	12.81	202	50752	3.077	ng	100
81) Benzo(a)anthracene	14.00	228	31637	2.259	ng	97
83) Chrysene	14.00	228	31637	2.366	ng	94
88) Benzo(b)fluoranthene	15.06	252	42882	4.134	ng	# 82
89) Benzo(k)fluoranthene	15.06	252	42882	4.316	ng	# 82
90) Benzo(a)pyrene	15.43	252	20806	2.229	ng	# 84

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

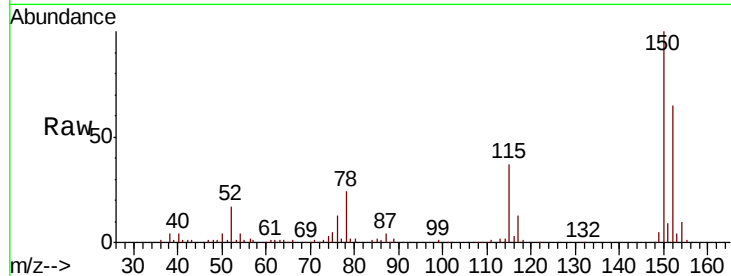


#1

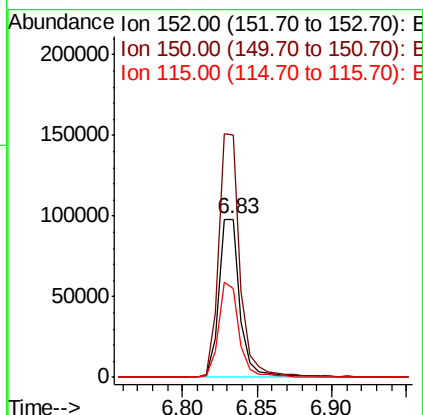
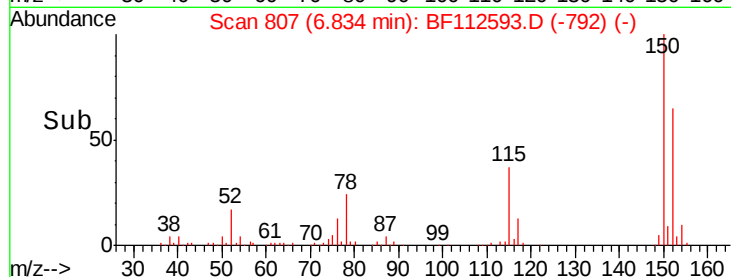
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112593.D
 Acq: 15 Feb 2019 21:54

Instrument :
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 ClientSampleId :
 M-3-S

Tgt Ion:152 Resp: 97764
 Ion Ratio Lower Upper
 152 100
 150 153.0 127.4 191.0
 115 56.6 45.5 68.3



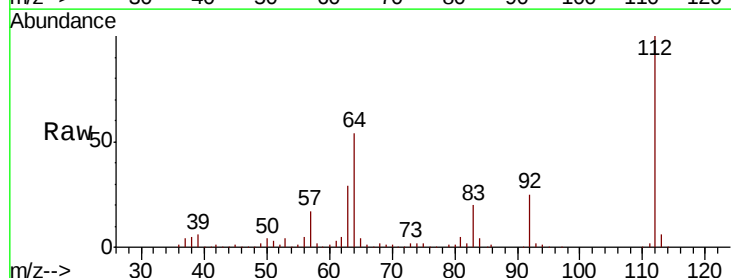
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



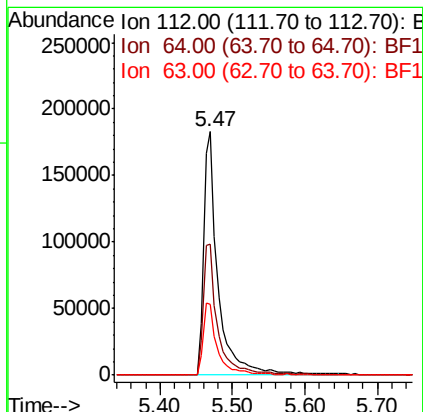
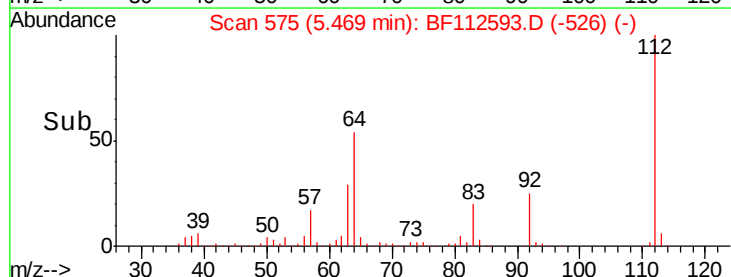
#5

2-Fluorophenol
 Concen: 54.871 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF112593.D
 Acq: 15 Feb 2019 21:54

Tgt Ion:112 Resp: 252552
 Ion Ratio Lower Upper
 112 100
 64 53.6 45.7 68.5
 63 29.2 23.6 35.4



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: 49.820 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

ClientSampleId :

M-3-S

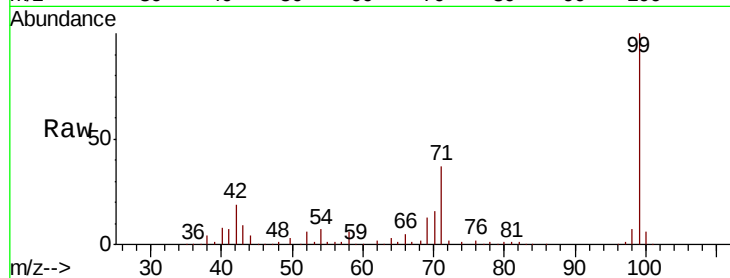
Tgt Ion: 99 Resp: 318635

Ion Ratio Lower Upper

99 100

42 18.7 15.1 22.7

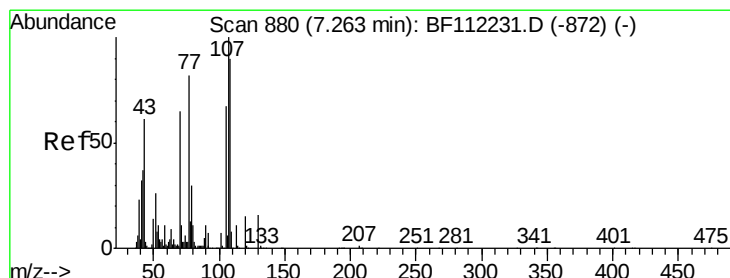
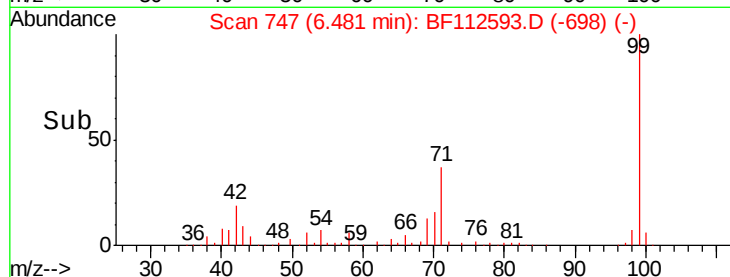
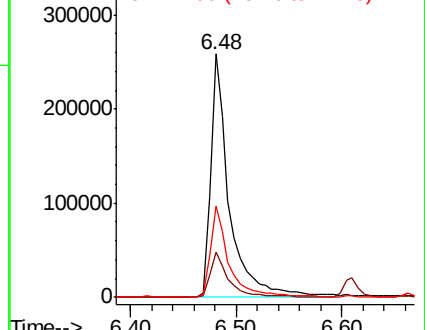
71 37.3 26.9 40.3



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: 6.416 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Tgt Ion: 70 Resp: 28293

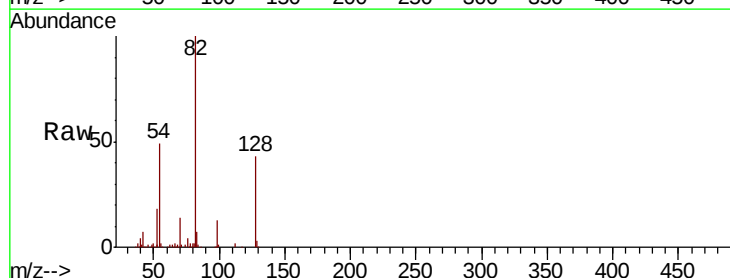
Ion Ratio Lower Upper

70 100

42 49.2 47.6 71.4

101 0.0 7.9 11.9#

130 1.8 18.4 27.6#

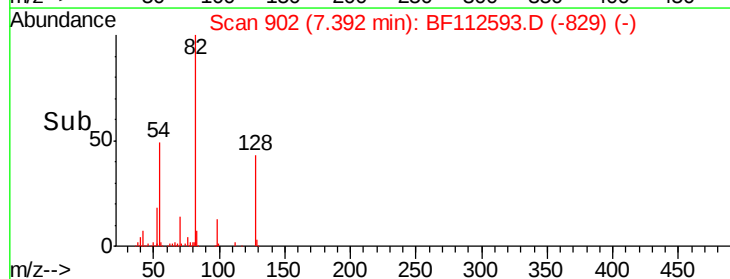
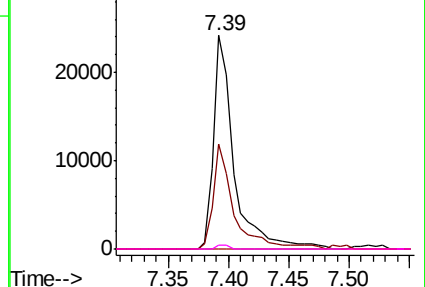


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

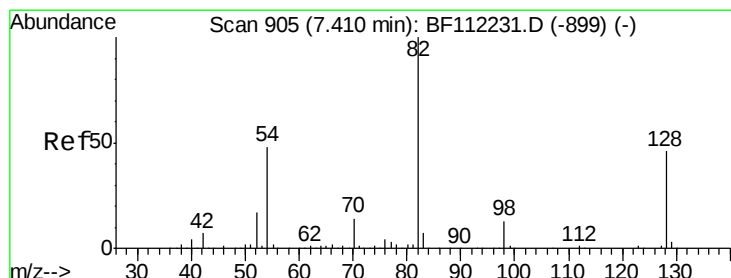
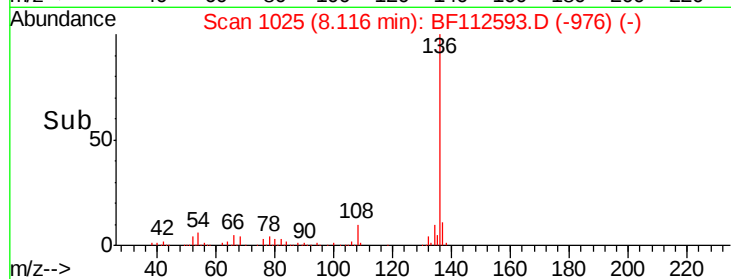
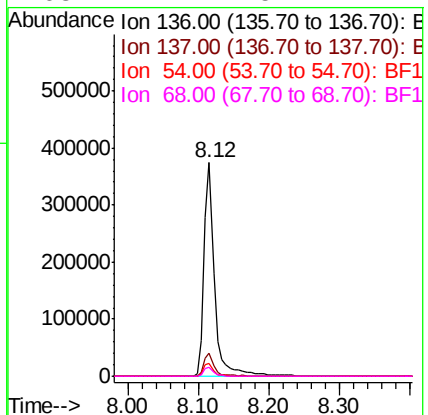
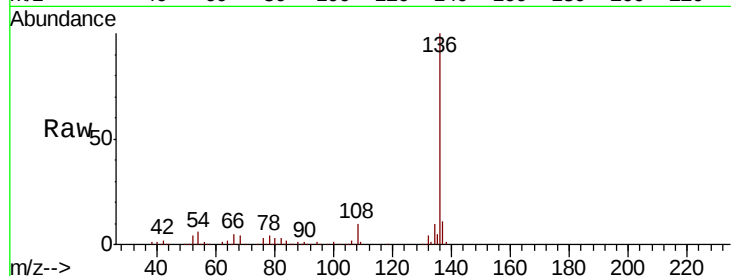




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112593.D
Acq: 15 Feb 2019 21:54

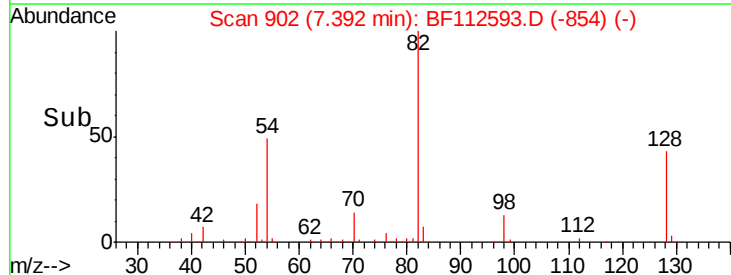
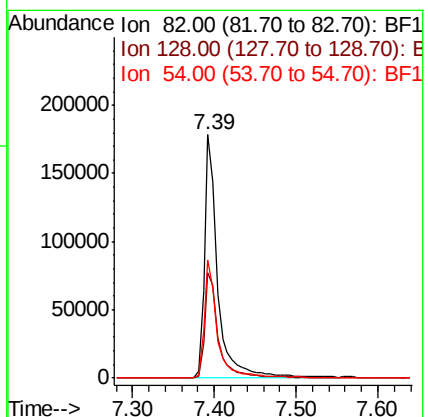
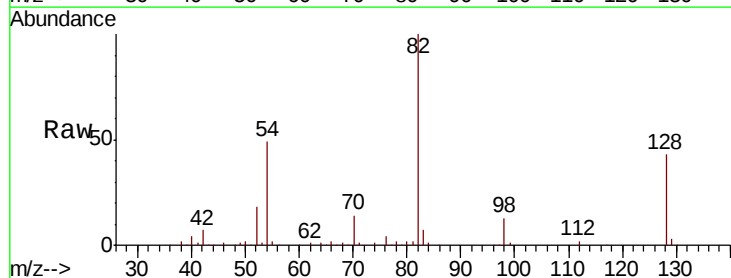
Instrument :
BNA_F
ClientSampleId :
M-3-S

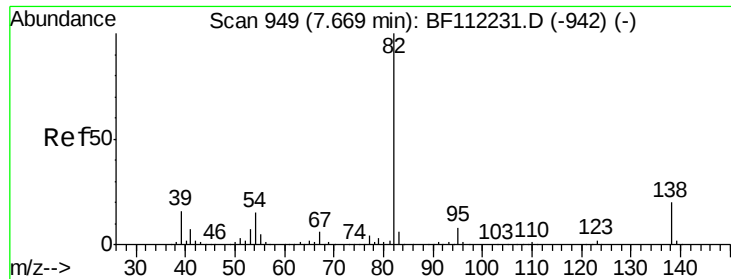
Tgt Ion:	136	Resp:	388669
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.9	5.9	8.9
68	4.2	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 30.268 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112593.D
Acq: 15 Feb 2019 21:54

Tgt Ion:	82	Resp:	204167
Ion	Ratio	Lower	Upper
82	100		
128	43.4	37.8	56.8
54	48.7	39.7	59.5





#25

Isophorone

Concen: 19.293 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

ClientSampleId :

M-3-S

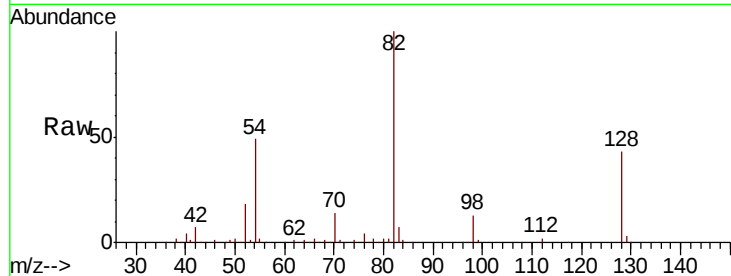
Tgt Ion: 82 Resp: 204165

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

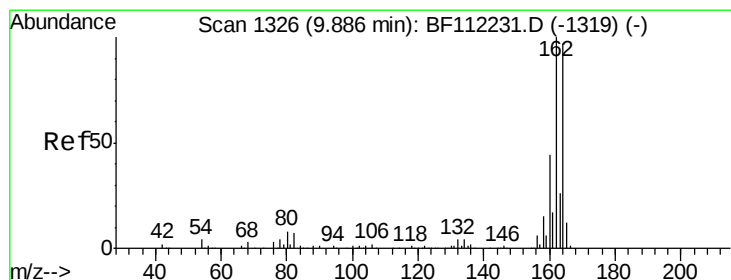
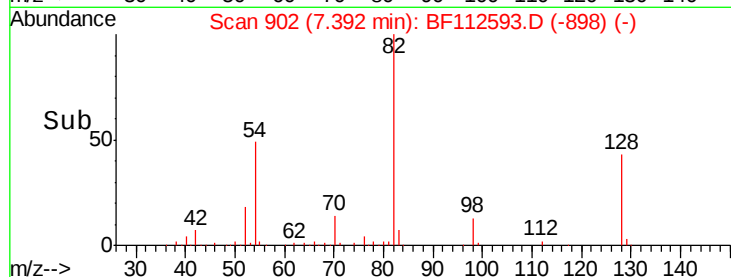
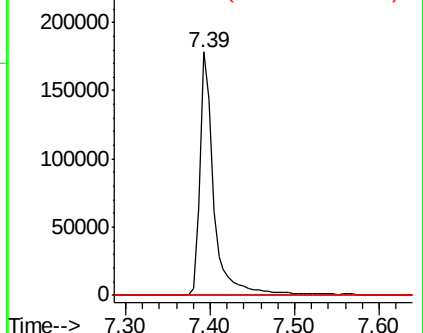
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

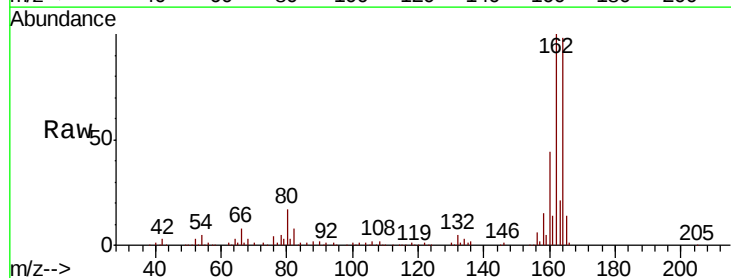
Tgt Ion: 164 Resp: 182508

Ion Ratio Lower Upper

164 100

162 101.6 82.2 123.4

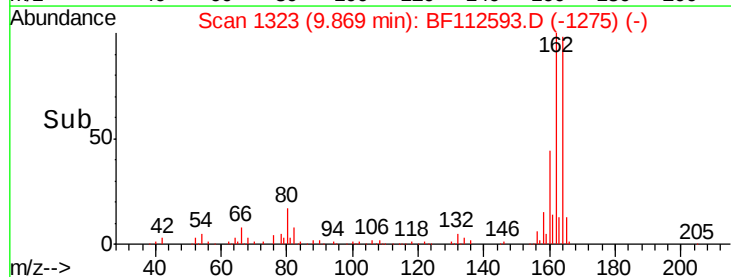
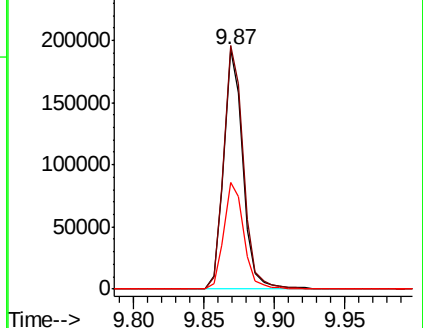
160 44.5 36.2 54.4

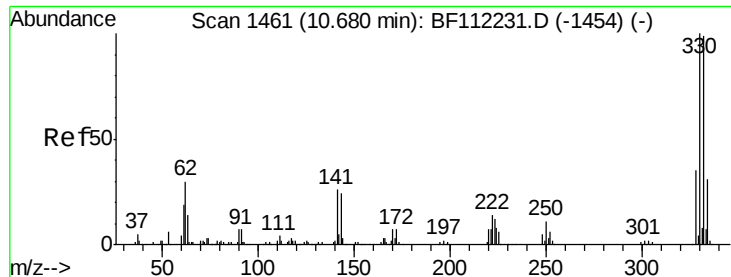


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 41.197 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

ClientSampleId :

M-3-S

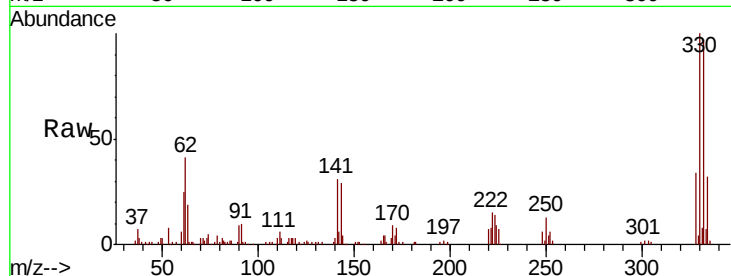
Tgt Ion:330 Resp: 87517

Ion Ratio Lower Upper

330 100

332 96.1 76.6 114.8

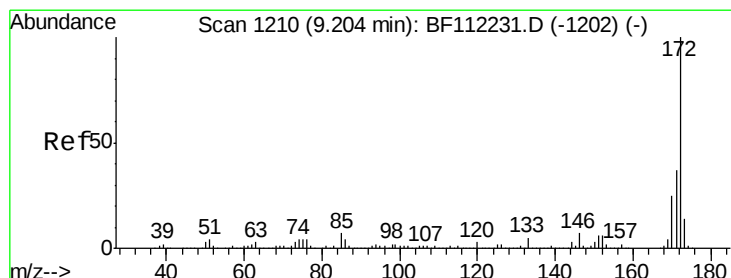
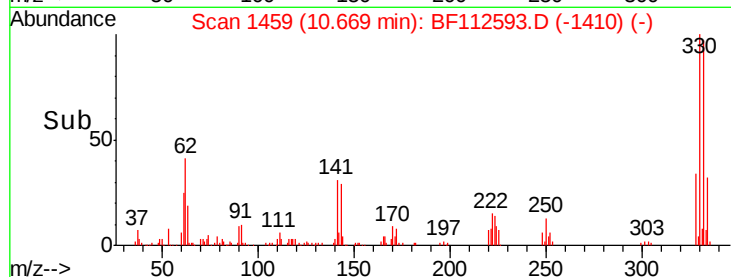
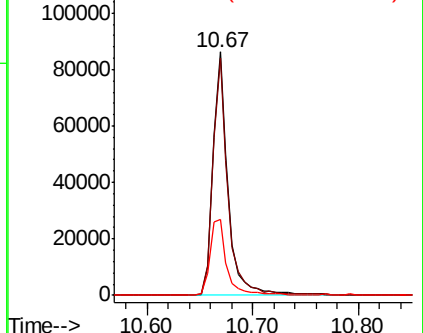
141 34.2 24.3 36.5



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: 33.723 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

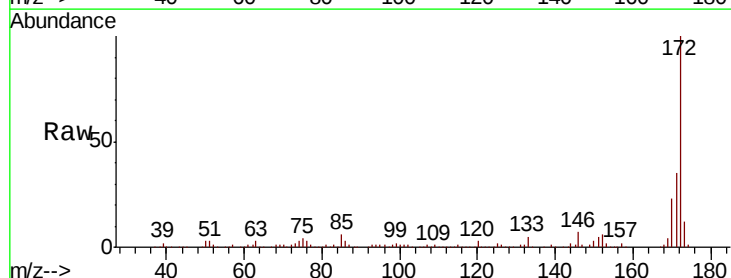
Tgt Ion:172 Resp: 435165

Ion Ratio Lower Upper

172 100

171 35.4 30.5 45.7

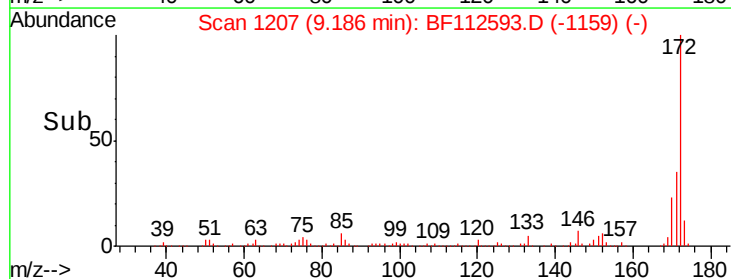
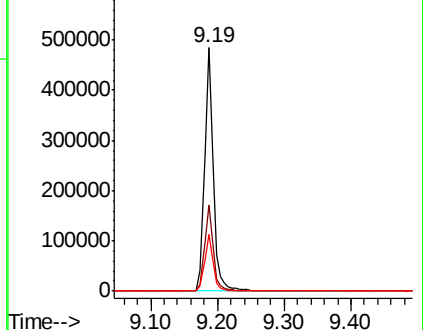
170 23.2 20.2 30.4

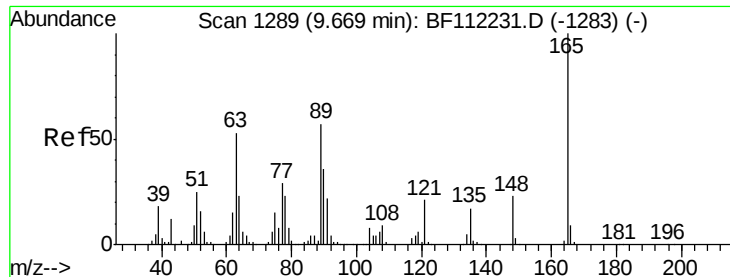


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

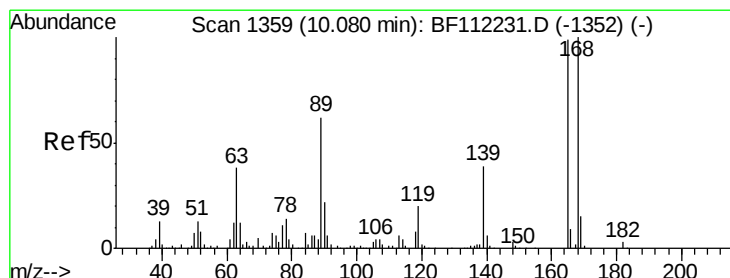
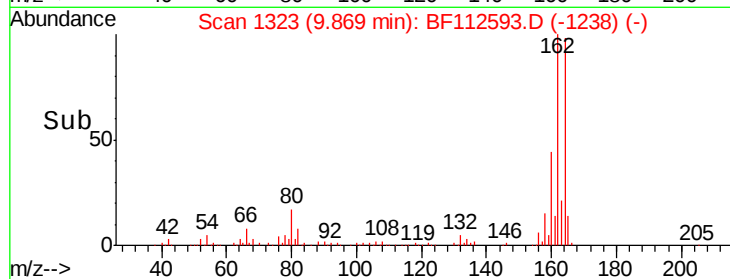
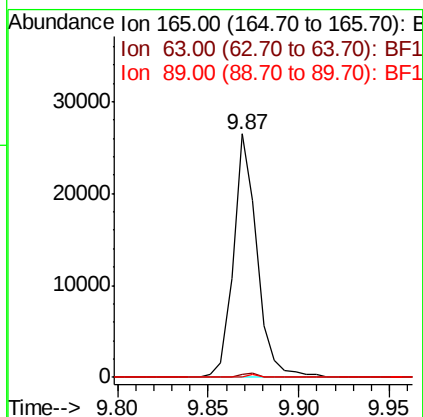
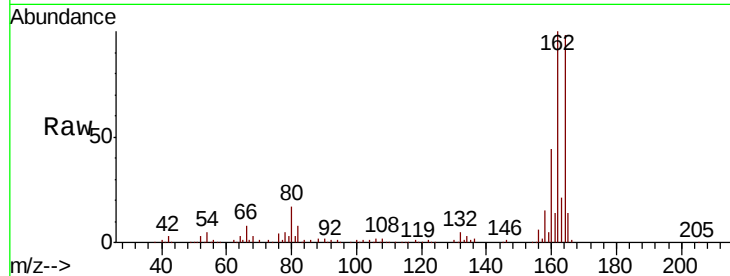




#51
 2,6-Dinitrotoluene
 Concen: 7.544 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112593.D
 Acq: 15 Feb 2019 21:54

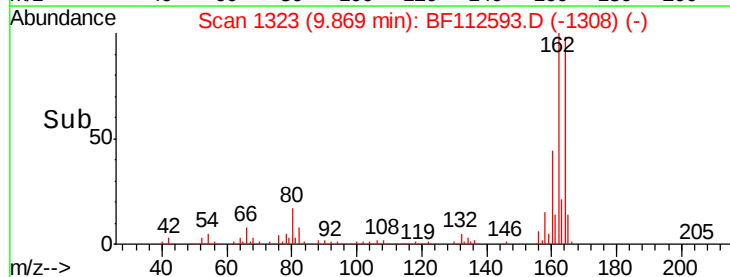
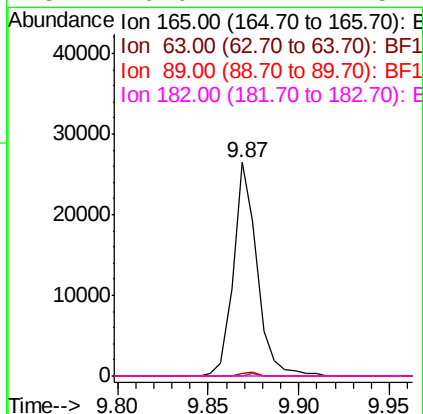
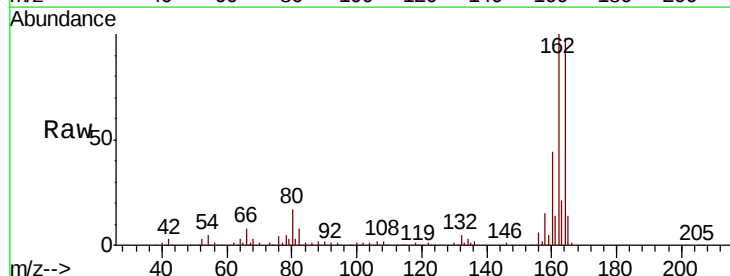
Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	0.0	36.9	55.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.926 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112593.D
 Acq: 15 Feb 2019 21:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	0.0	47.9	71.9#
182	0.0	2.2	3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

ClientSampleId :

M-3-S

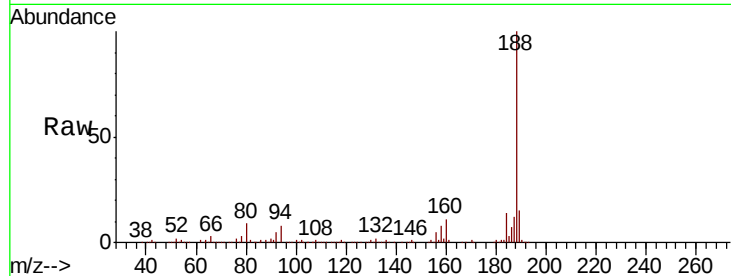
Tgt Ion:188 Resp: 304754

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

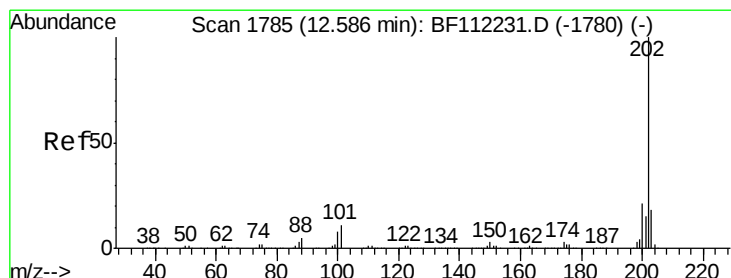
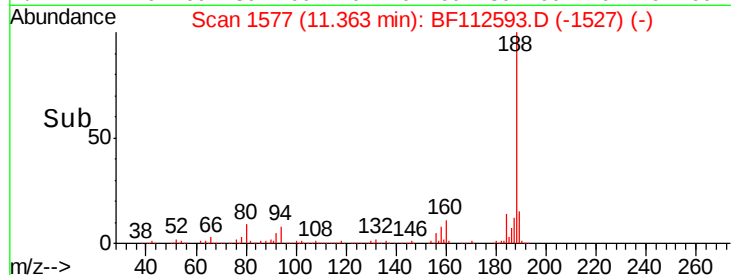
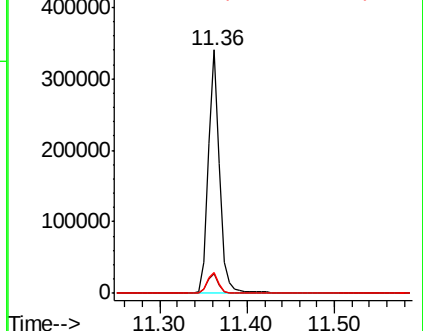
80 8.7 8.9 13.3#



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: 3.368 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

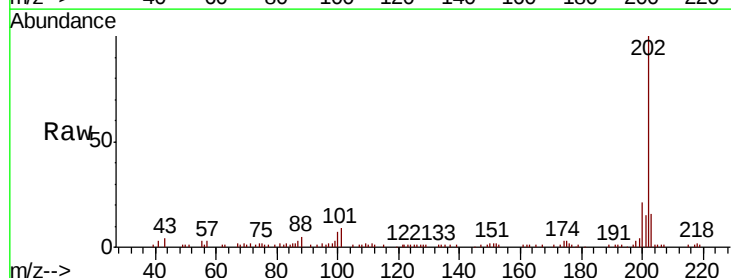
Tgt Ion:202 Resp: 57228

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.8

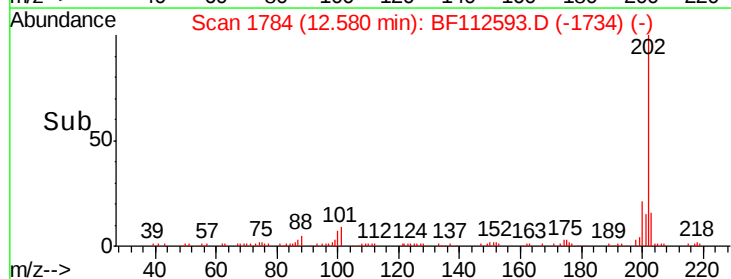
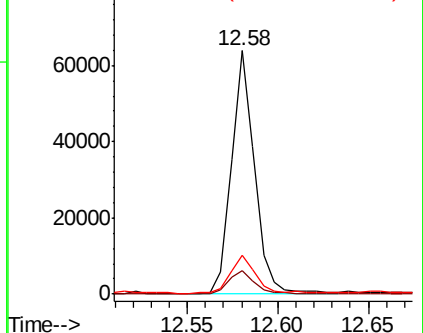
203 16.1 0.0 38.4

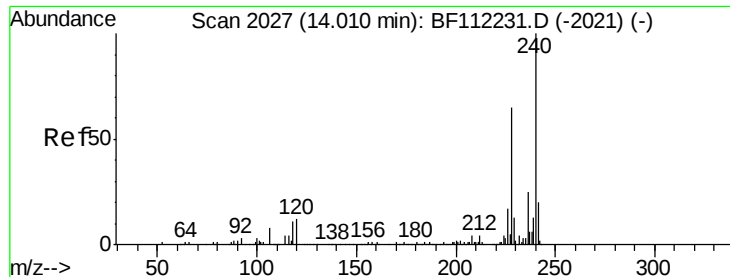


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

ClientSampleId :

M-3-S

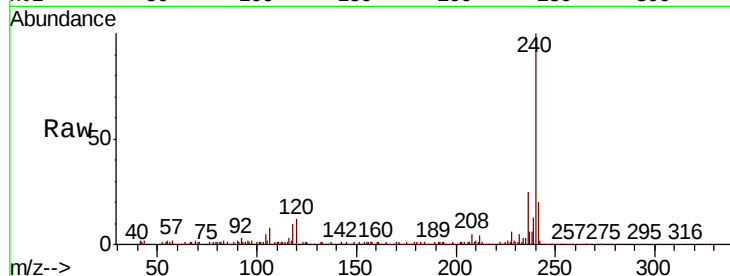
Tgt Ion:240 Resp: 238250

Ion Ratio Lower Upper

240 100

120 11.7 9.0 13.6

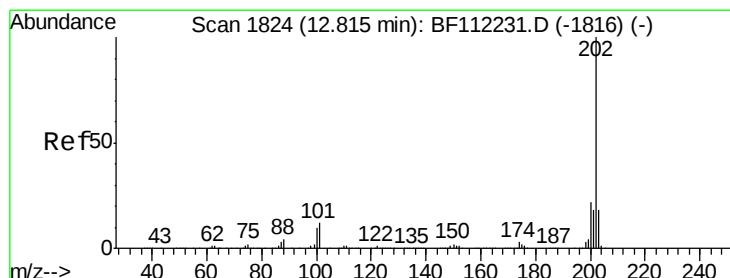
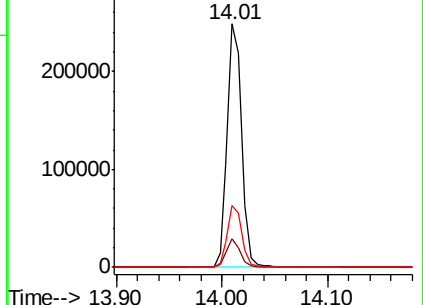
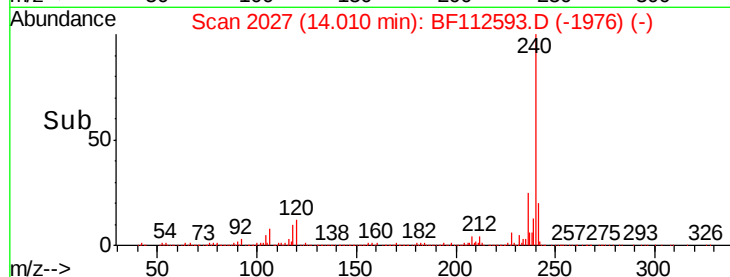
236 25.3 20.7 31.1



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

Pyrene

Concen: 3.077 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

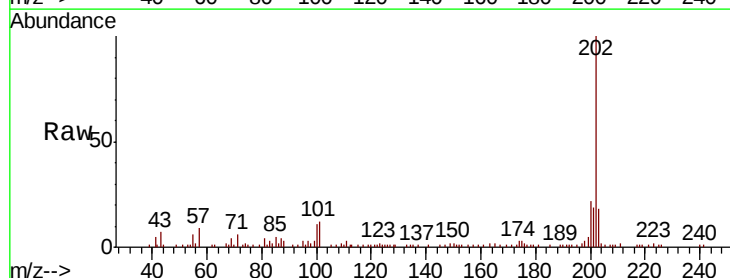
Tgt Ion:202 Resp: 50752

Ion Ratio Lower Upper

202 100

200 22.1 17.7 26.5

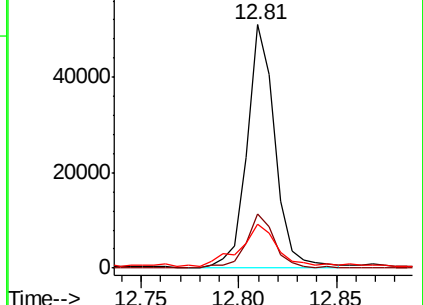
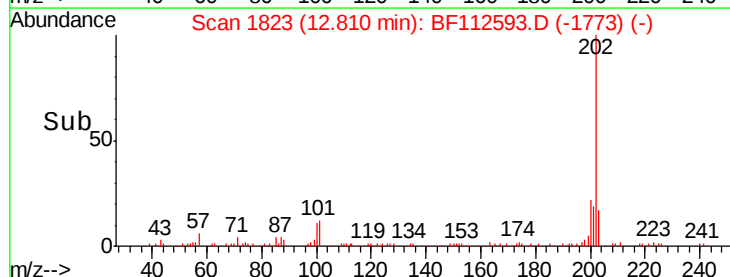
203 18.3 14.6 22.0

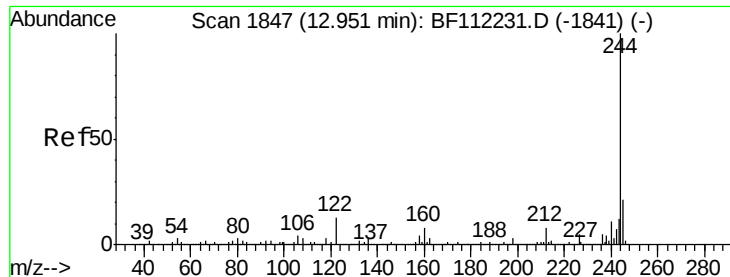


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 27.140 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

ClientSampleId :

M-3-S

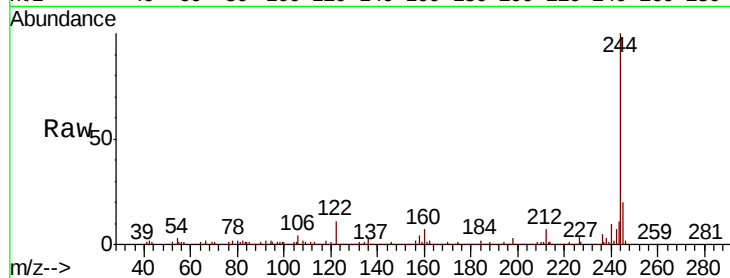
Tgt Ion:244 Resp: 343308

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

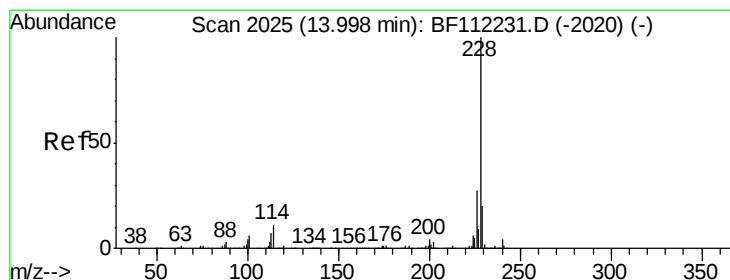
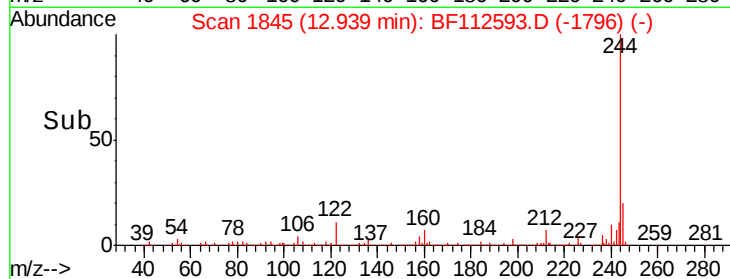
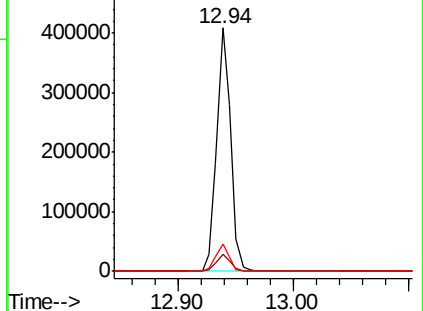
122 11.2 9.8 14.6



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: 2.259 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

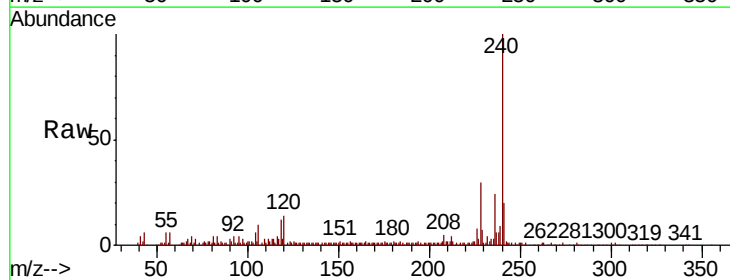
Tgt Ion:228 Resp: 31637

Ion Ratio Lower Upper

228 100

226 26.9 22.6 34.0

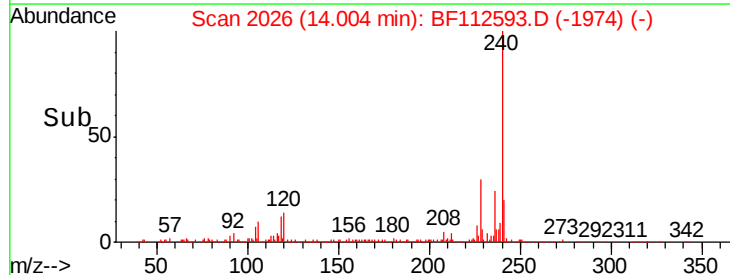
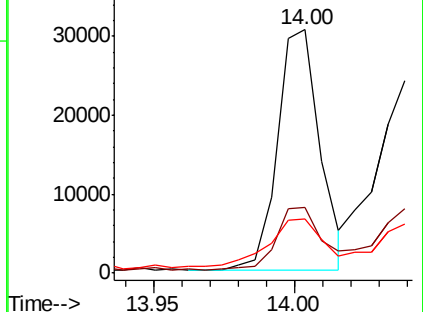
229 22.0 16.5 24.7

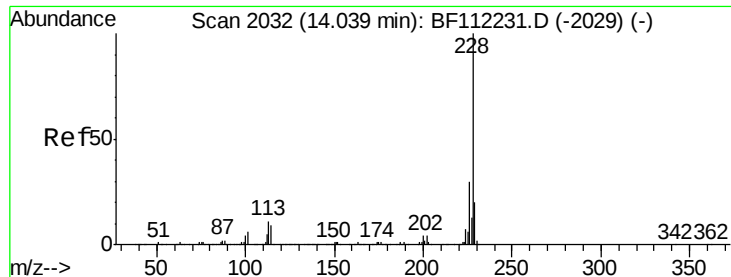


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.366 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.04 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

ClientSampleId :

M-3-S

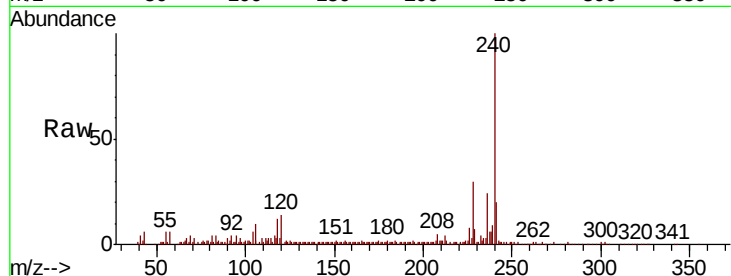
Tgt Ion:228 Resp: 31637

Ion Ratio Lower Upper

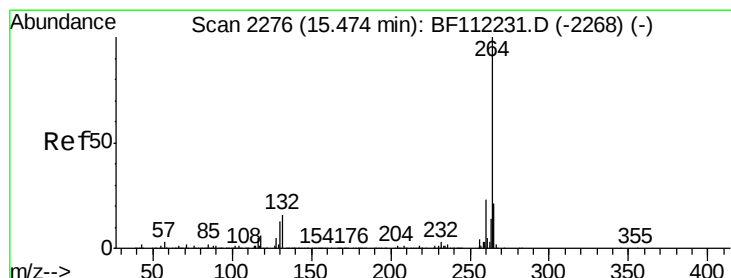
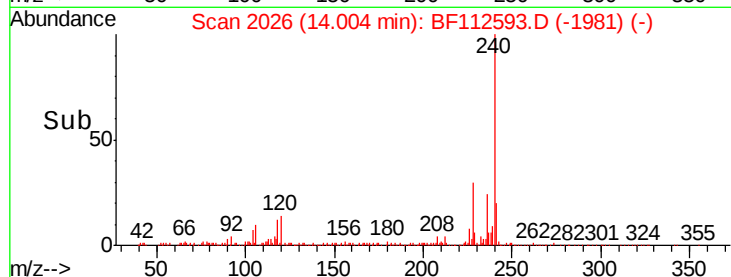
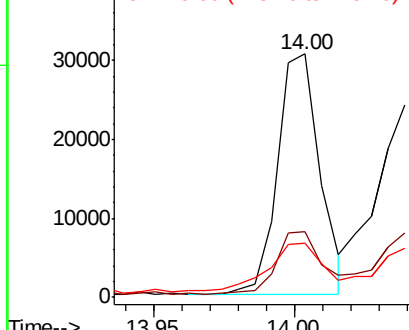
228 100

226 26.9 25.0 37.6

229 22.0 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.02 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

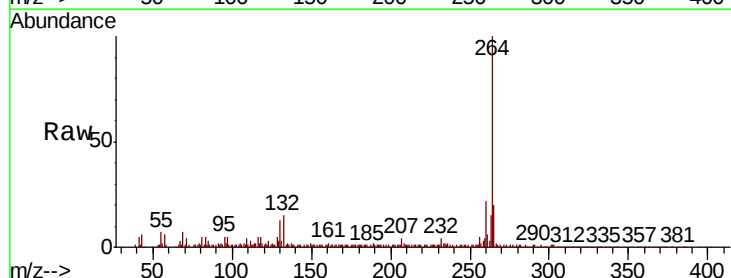
Tgt Ion:264 Resp: 173434

Ion Ratio Lower Upper

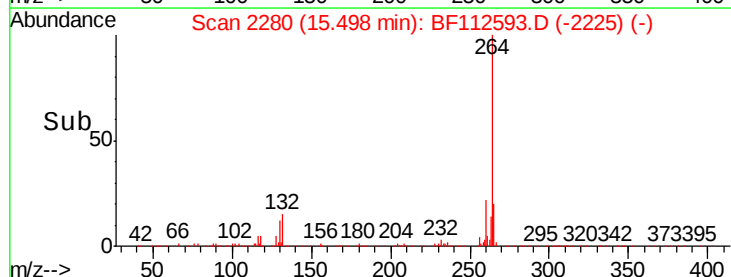
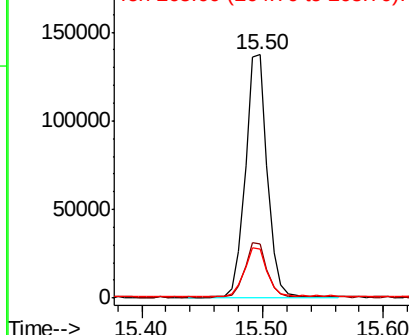
264 100

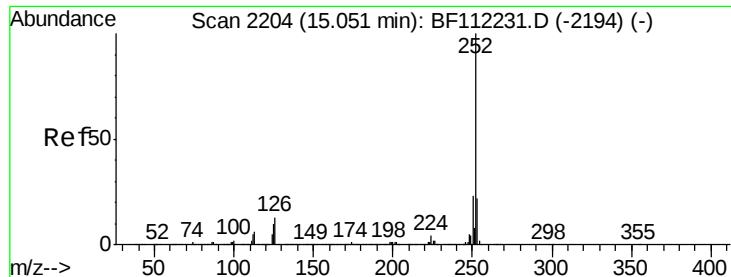
260 22.2 18.2 27.2

265 20.2 17.0 25.4



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: 4.134 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

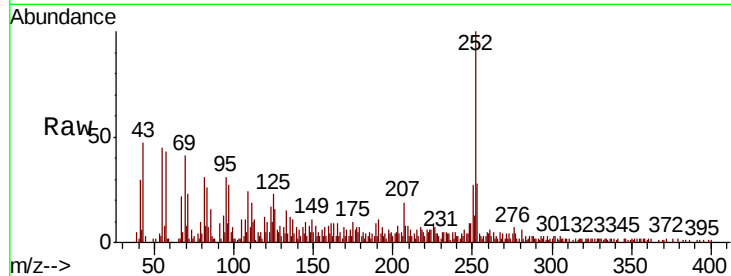
Instrument :

BNA_F

ClientSampleId :

M-3-S

Tgt Ion:	252	Resp:	42882
Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.0	27.0#
125	22.9	8.7	13.1#

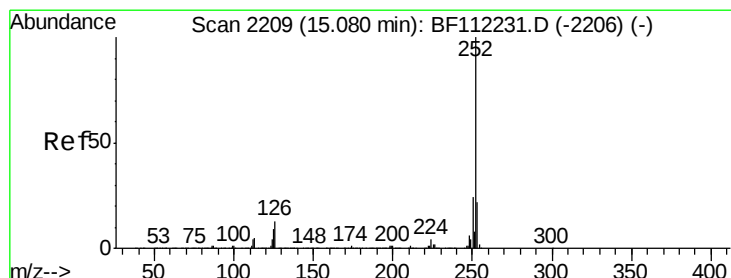
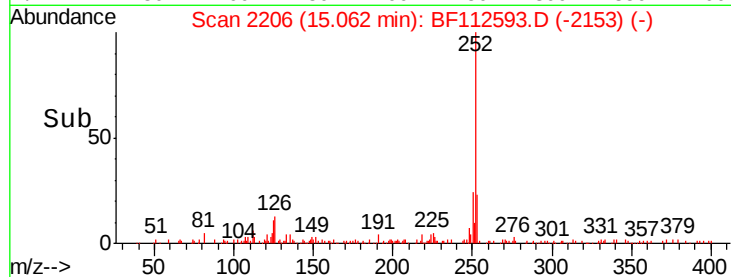
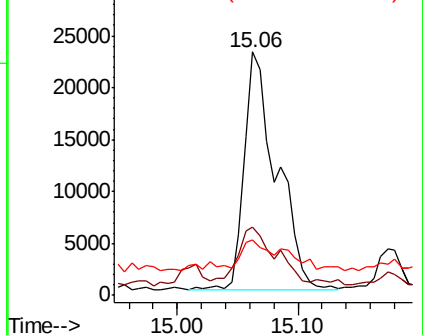


Abundance

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: 4.316 ng

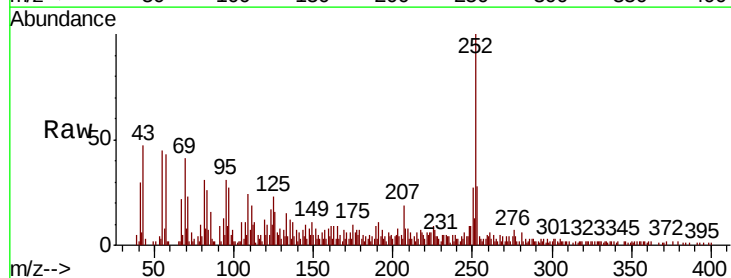
RT: 15.06 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Tgt Ion:	252	Resp:	42882
Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.0	27.0#
125	22.9	9.1	13.7#

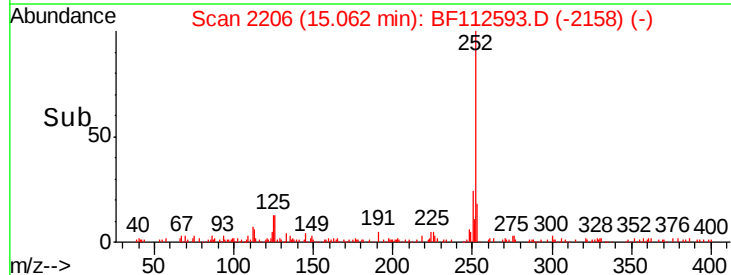
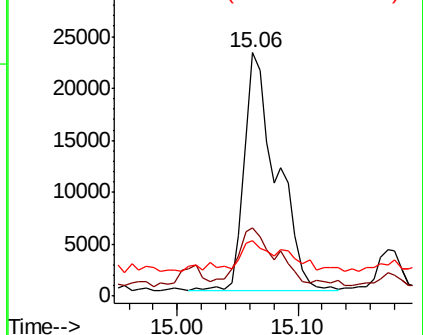


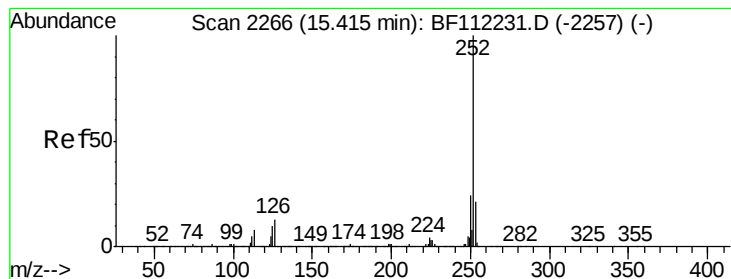
Abundance

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: 2.229 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.02 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

ClientSampleId :

M-3-S

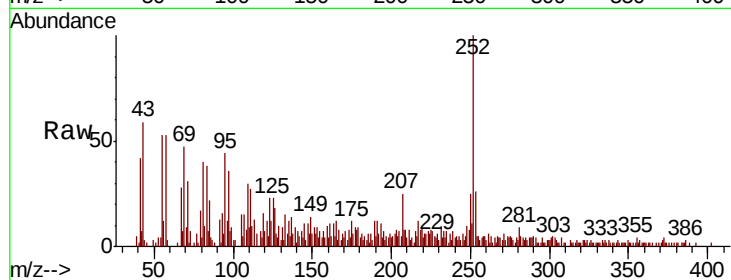
Tgt Ion: 252 Resp: 20806

Ion Ratio Lower Upper

252 100

253 26.0 17.5 26.3

125 23.0 9.0 13.4



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

