

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
 Data File : BF112588.D
 Acq On : 15 Feb 2019 19:37
 Operator : JU/SJ
 Sample : K1346-09 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-021419-B

Quant Time: Feb 15 23:45:21 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

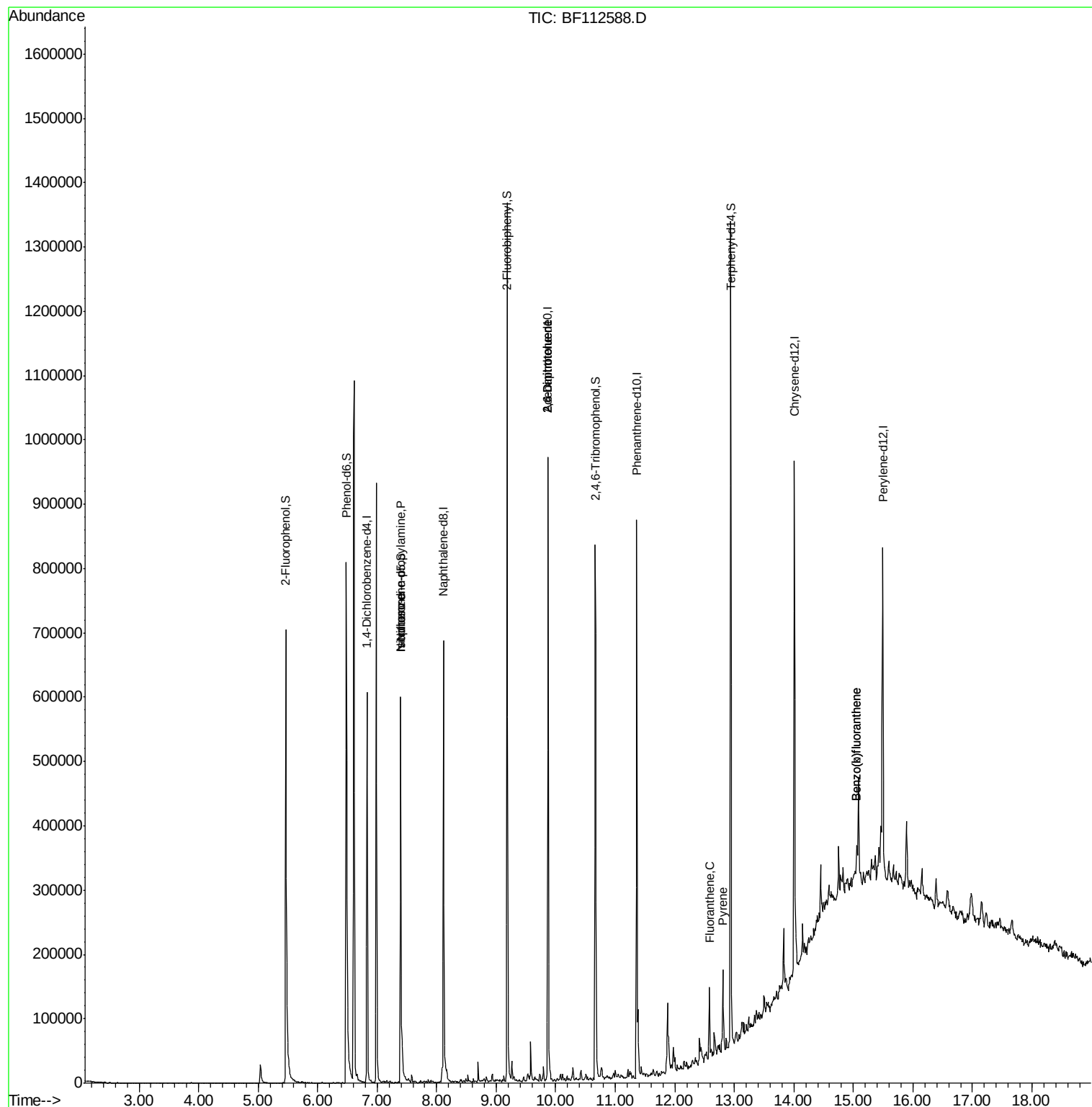
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	93161	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	384268	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	191441	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	353521	20.00	ng	0.00
76) Chrysene-d12	14.01	240	248076	20.00	ng	0.00
87) Perylene-d12	15.49	264	242752	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	273917	62.45	ng	-0.02
7) Phenol-d6	6.48	99	348731	57.22	ng	-0.01
23) Nitrobenzene-d5	7.39	82	219251	32.88	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	114406	51.34	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	431957	31.91	ng	-0.02
79) Terphenyl-d14	12.94	244	383038	29.08	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	31063	7.392	ng	# 77
25) Isophorone	7.39	82	219248	20.956	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	23875	7.167	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	23876	5.630	ng	# 32
75) Fluoranthene	12.58	202	40887	2.074	ng	98
78) Pyrene	12.81	202	45441	2.646	ng	97
88) Benzo(b)fluoranthene	15.06	252	33613	2.315	ng	# 83
89) Benzo(k)fluoranthene	15.06	252	33613	2.417	ng	# 83

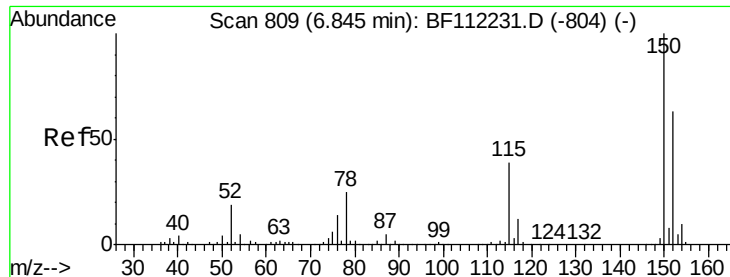
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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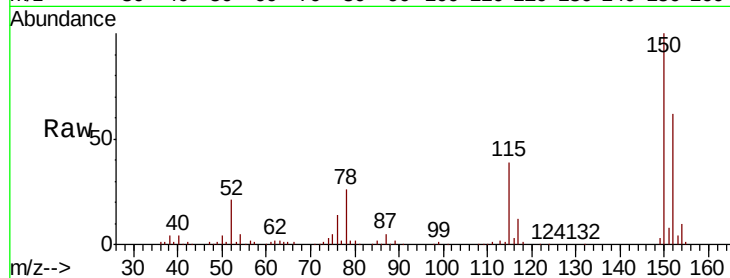


#1

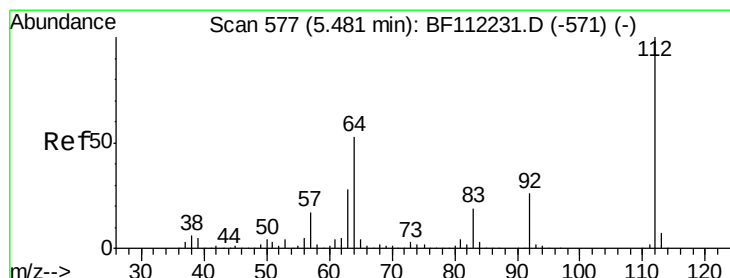
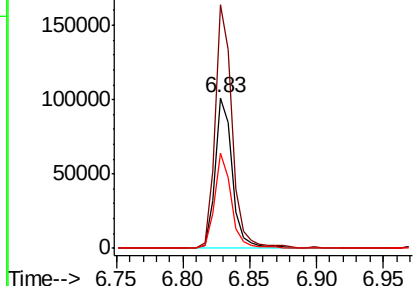
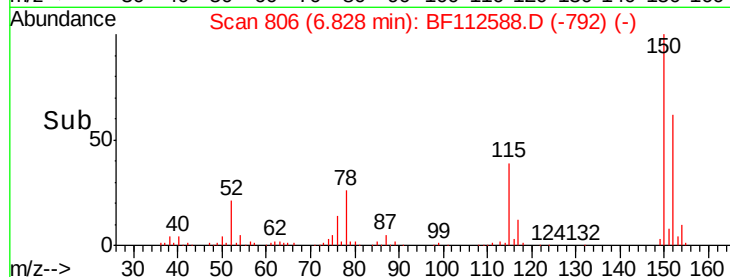
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF112588.D
 Acq: 15 Feb 2019 19:37

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-021419-B

Tgt Ion:152 Resp: 93161
 Ion Ratio Lower Upper
 152 100
 150 161.9 127.4 191.0
 115 63.6 45.5 68.3



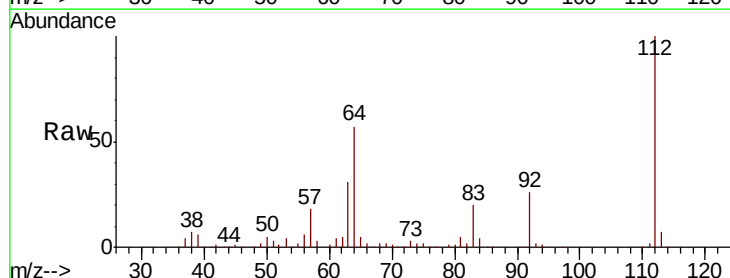
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



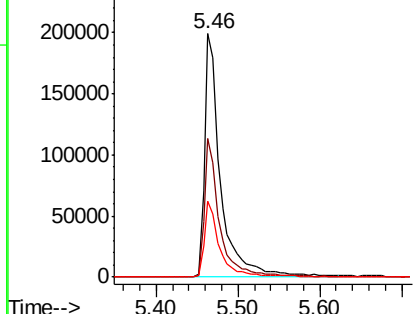
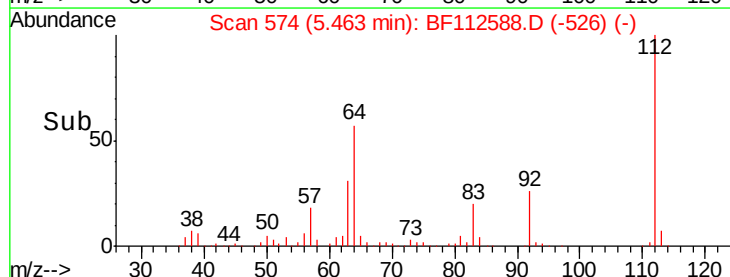
#5

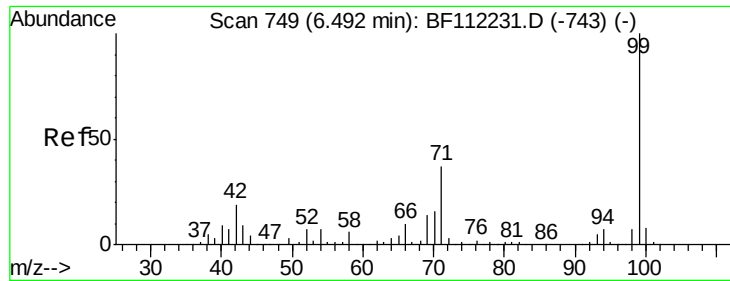
2-Fluorophenol
 Concen: 62.453 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BF112588.D
 Acq: 15 Feb 2019 19:37

Tgt Ion:112 Resp: 273917
 Ion Ratio Lower Upper
 112 100
 64 57.1 45.7 68.5
 63 31.1 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: 57.220 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112588.D

Acq: 15 Feb 2019 19:37

Instrument :

BNA_F

ClientSampleId :

CL-01-021419-B

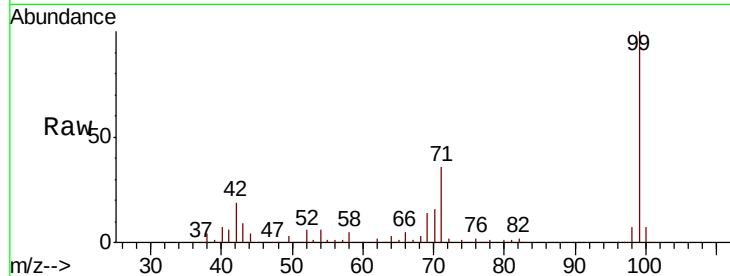
Tgt Ion: 99 Resp: 348731

Ion Ratio Lower Upper

99 100

42 18.6 15.1 22.7

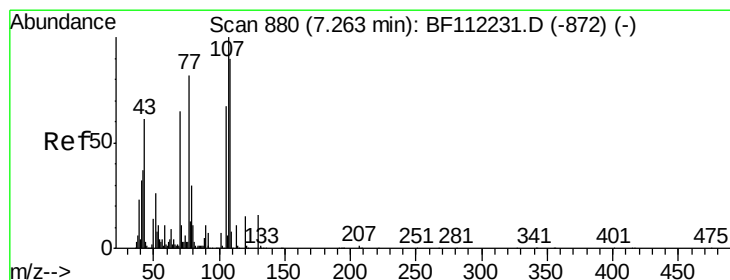
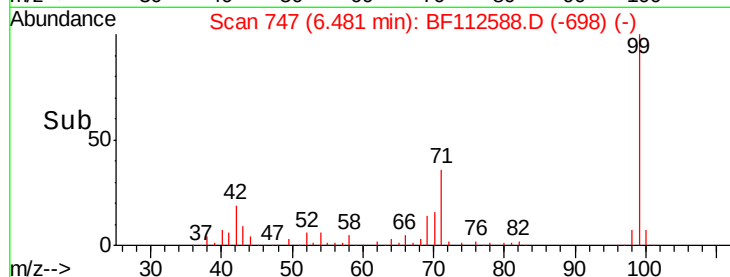
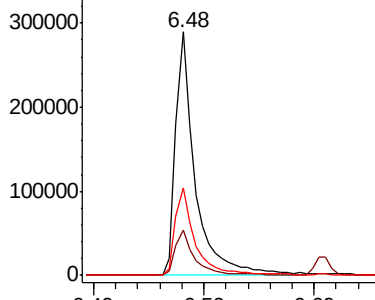
71 35.9 26.9 40.3



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: 7.392 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112588.D

Acq: 15 Feb 2019 19:37

Tgt Ion: 70 Resp: 31063

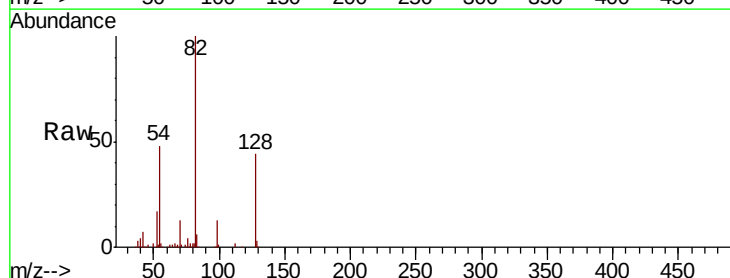
Ion Ratio Lower Upper

70 100

42 49.1 47.6 71.4

101 0.0 7.9 11.9#

130 1.7 18.4 27.6#

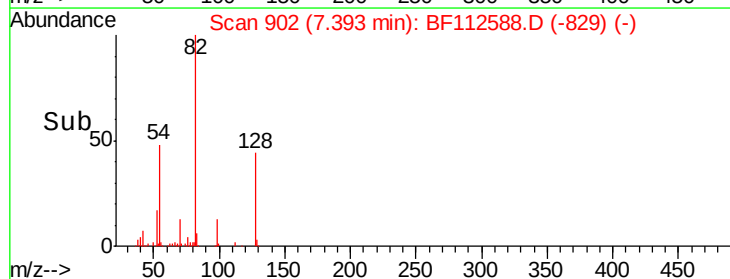
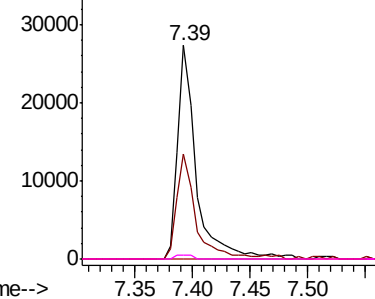


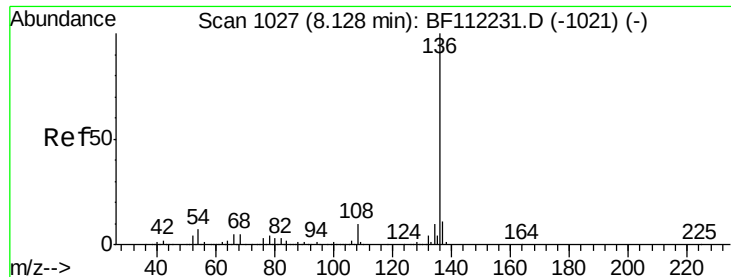
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

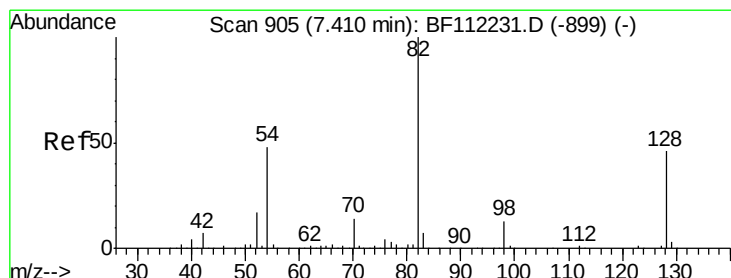
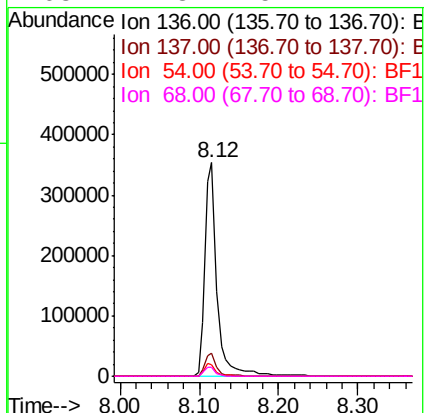
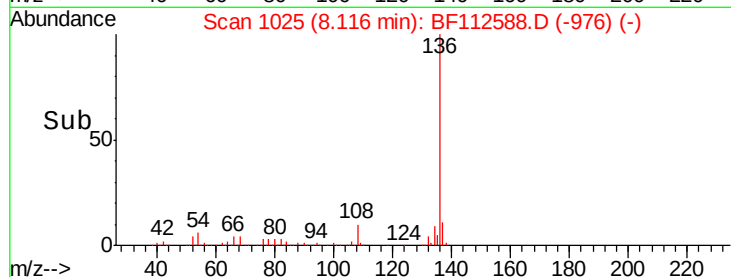
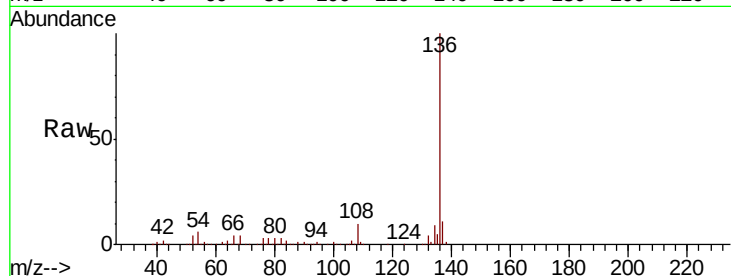




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112588.D
Acq: 15 Feb 2019 19:37

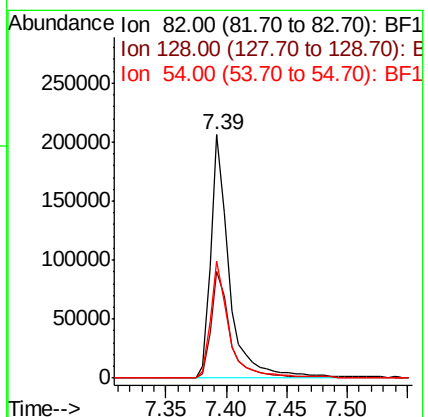
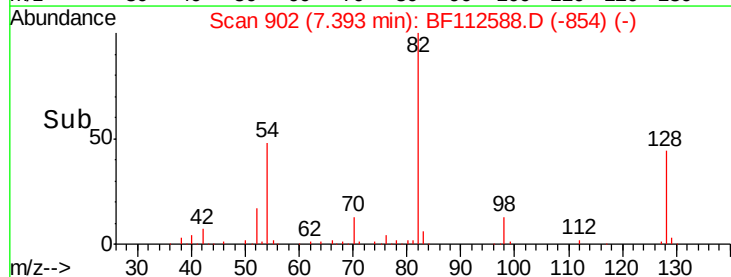
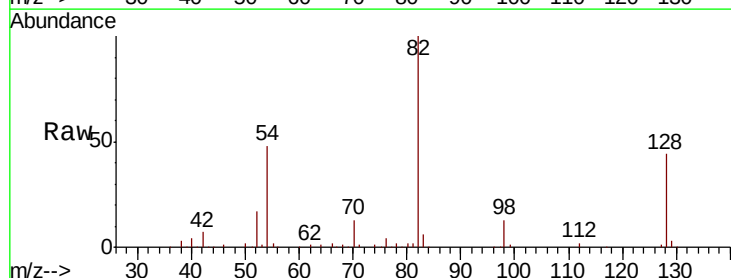
Instrument :
BNA_F
ClientSampleId :
CL-01-021419-B

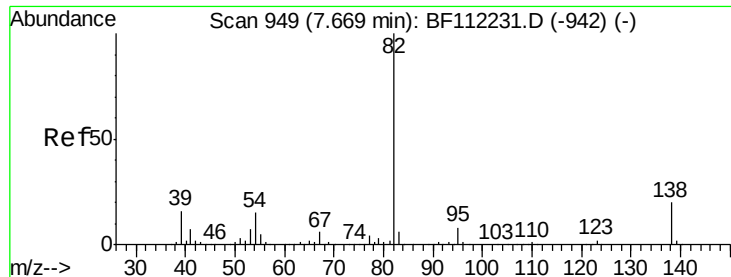
Tgt Ion:	136	Resp:	384268
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.5	5.9	8.9#
68	4.3	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 32.876 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112588.D
Acq: 15 Feb 2019 19:37

Tgt Ion:	82	Resp:	219251
Ion	Ratio	Lower	Upper
82	100		
128	43.6	37.8	56.8
54	48.2	39.7	59.5





#25

Isophorone

Concen: 20.956 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112588.D

Acq: 15 Feb 2019 19:37

Instrument :

BNA_F

ClientSampleId :

CL-01-021419-B

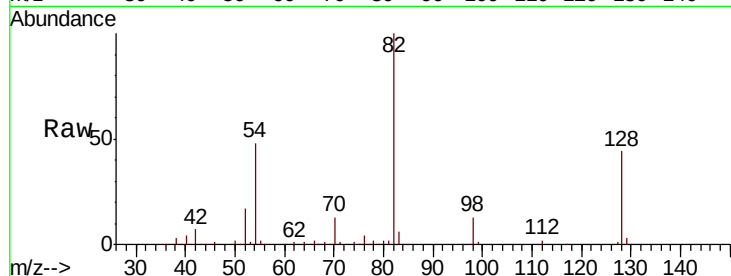
Tgt Ion: 82 Resp: 219248

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

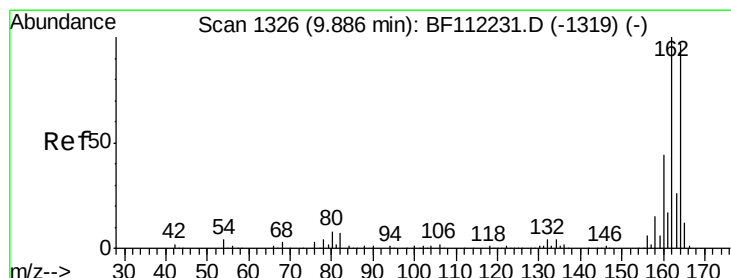
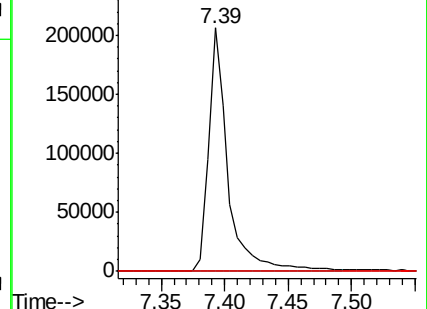
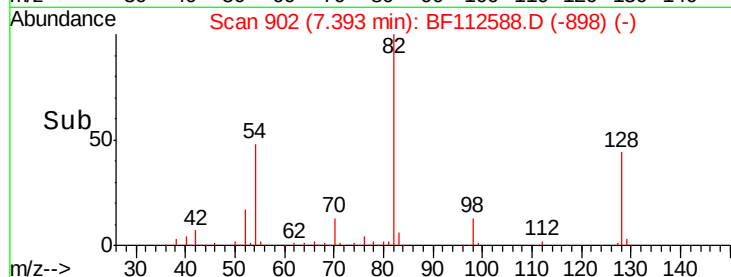
138 0.0 15.4 23.0#



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: BF112588.D

Acq: 15 Feb 2019 19:37

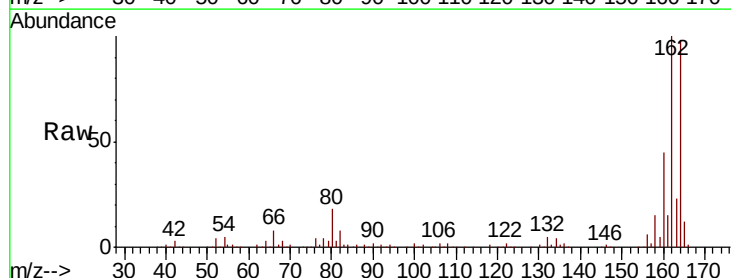
Tgt Ion: 164 Resp: 191441

Ion Ratio Lower Upper

164 100

162 102.1 82.2 123.4

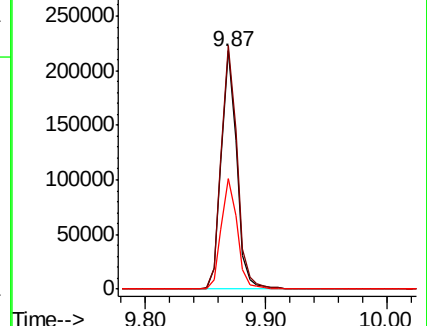
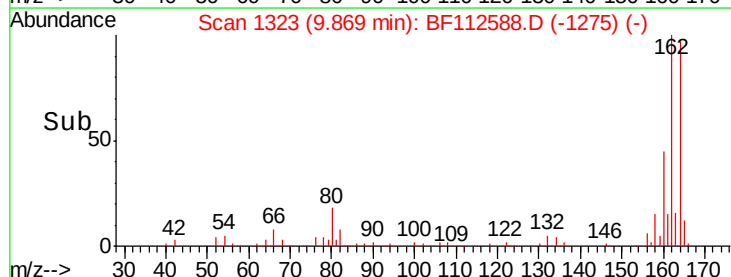
160 46.3 36.2 54.4

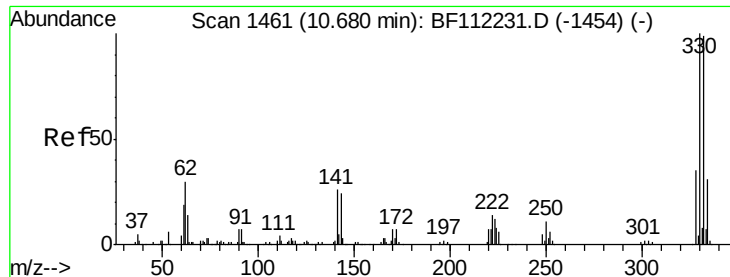


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 51.342 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112588.D

Acq: 15 Feb 2019 19:37

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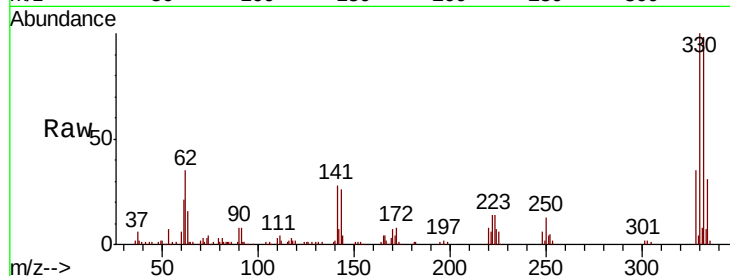
Tgt Ion:330 Resp: 114406

Ion Ratio Lower Upper

330 100

332 97.1 76.6 114.8

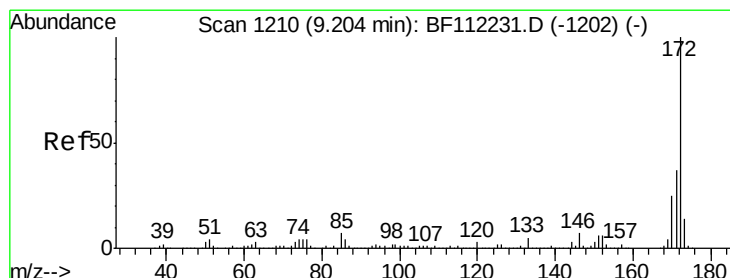
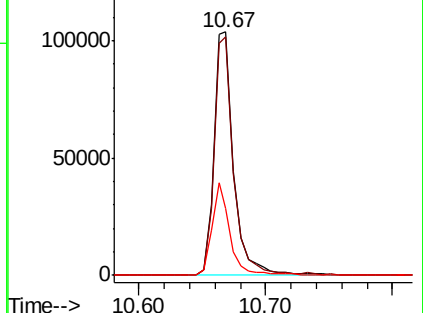
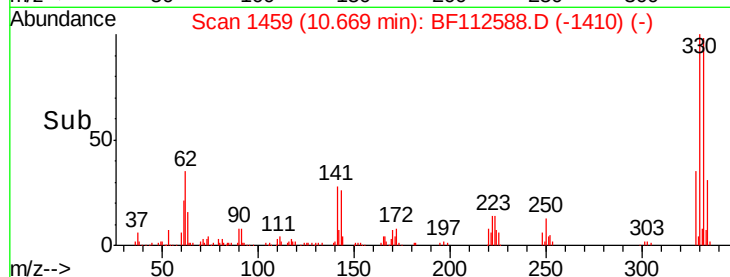
141 34.5 24.3 36.5



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: 31.912 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112588.D

Acq: 15 Feb 2019 19:37

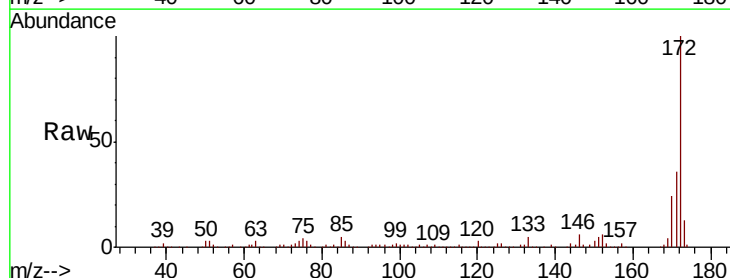
Tgt Ion:172 Resp: 431957

Ion Ratio Lower Upper

172 100

171 35.9 30.5 45.7

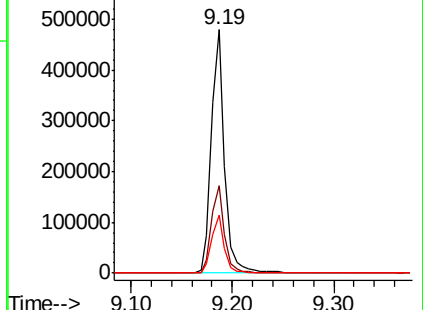
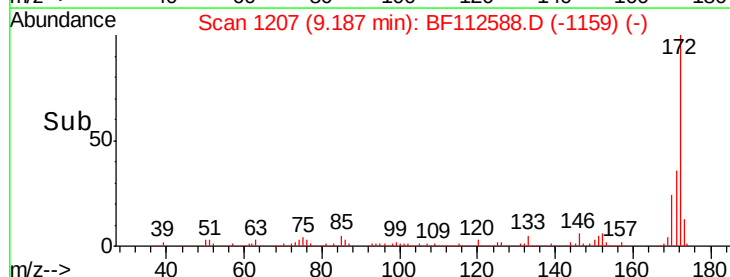
170 23.8 20.2 30.4

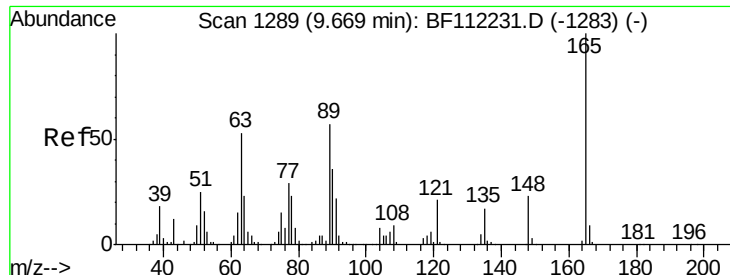


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

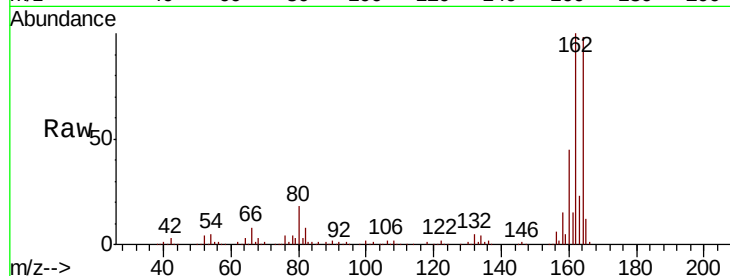




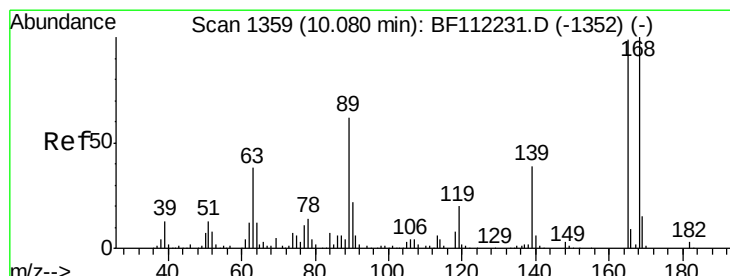
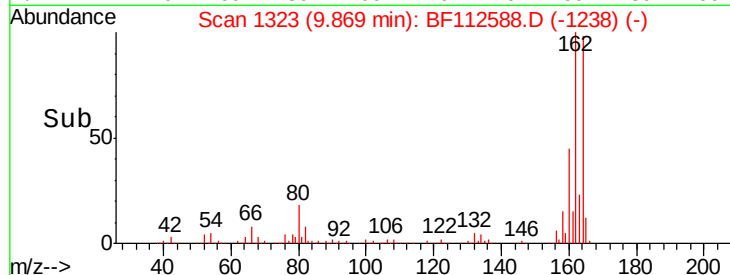
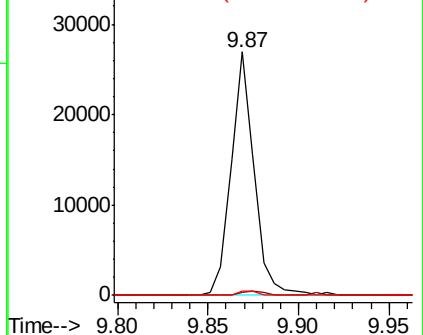
#51
 2,6-Dinitrotoluene
 Concen: 7.167 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112588.D
 Acq: 15 Feb 2019 19:37

Instrument :
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 CL-01-021419-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.8	50.8#
89	1.7	36.9	55.3#



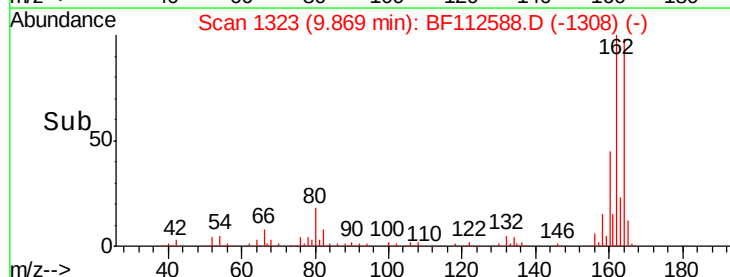
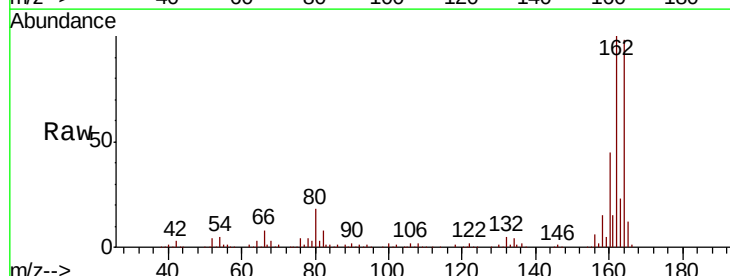
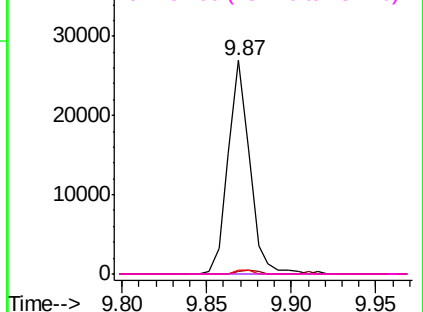
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

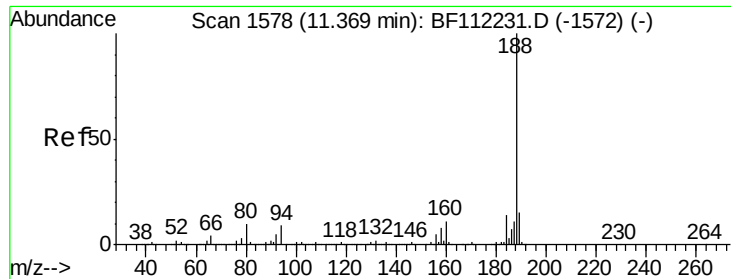


#57
 2,4-Dinitrotoluene
 Concen: 5.630 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112588.D
 Acq: 15 Feb 2019 19:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	27.9	41.9#
89	1.7	47.9	71.9#
182	0.0	2.2	3.4#

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112588.D

Acq: 15 Feb 2019 19:37

Instrument :

BNA_F

ClientSampleId :

CL-01-021419-B

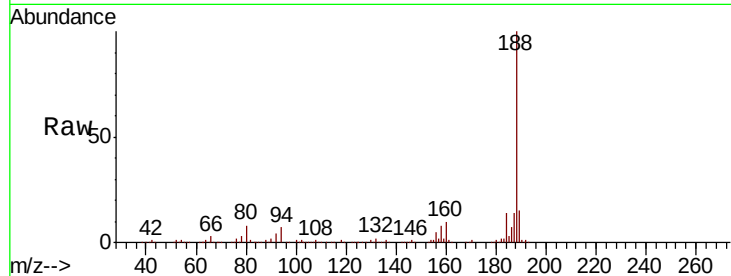
Tgt Ion:188 Resp: 353521

Ion Ratio Lower Upper

188 100

94 7.4 8.2 12.2#

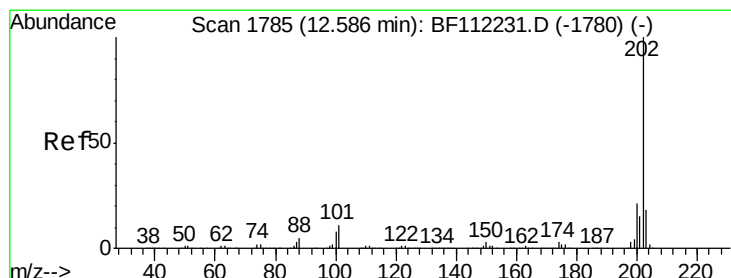
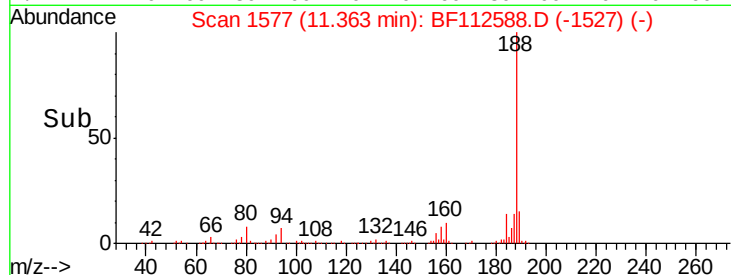
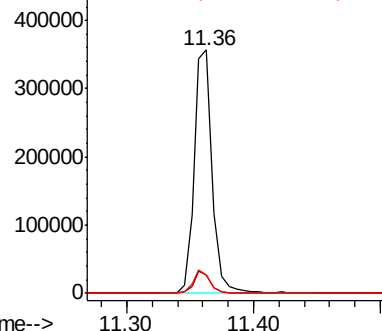
80 7.7 8.9 13.3#



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: 2.074 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112588.D

Acq: 15 Feb 2019 19:37

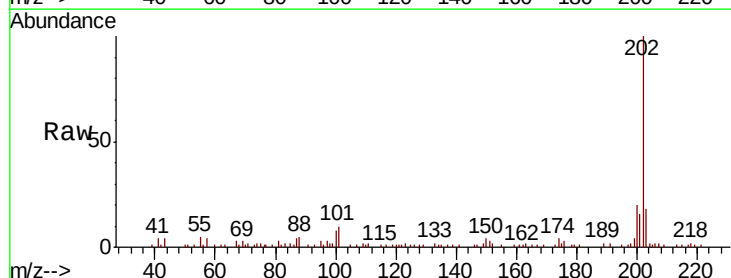
Tgt Ion:202 Resp: 40887

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.8

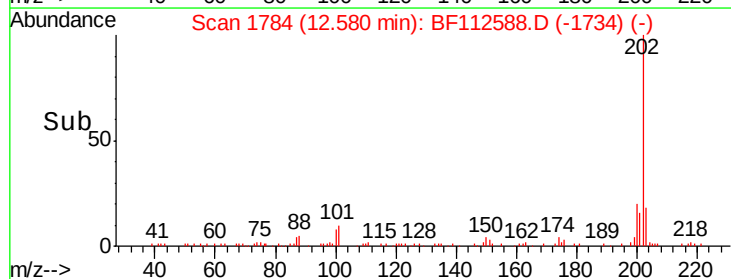
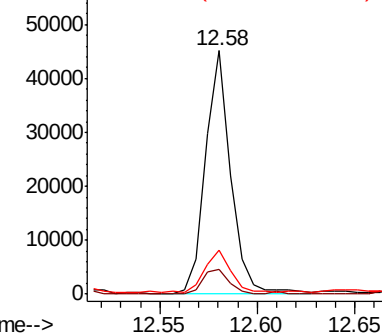
203 18.2 0.0 38.4

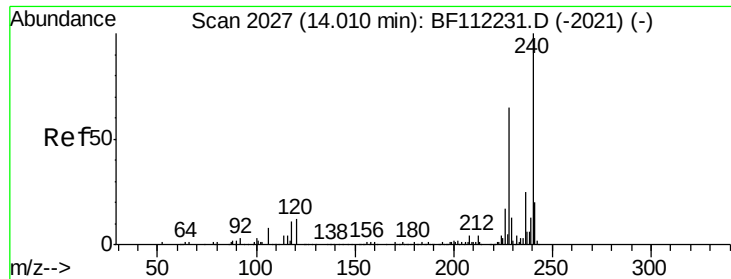


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

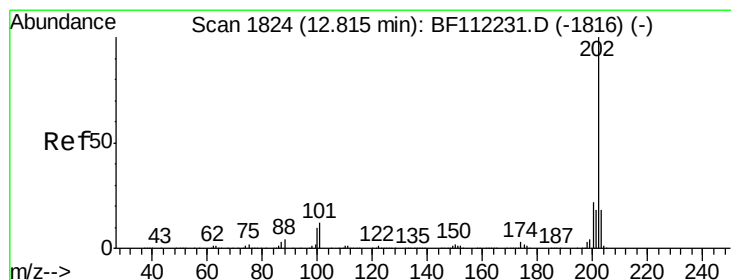
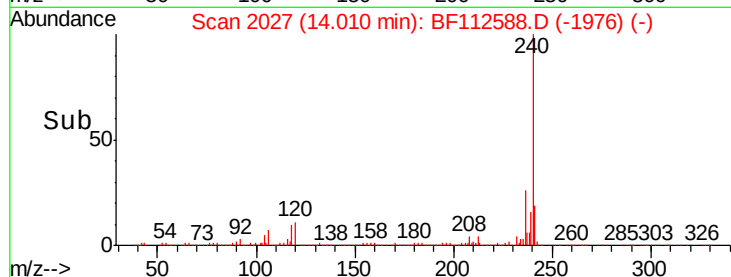
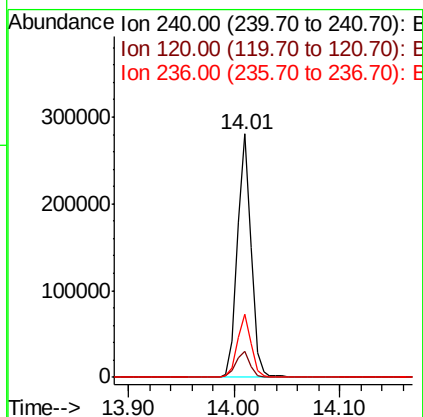
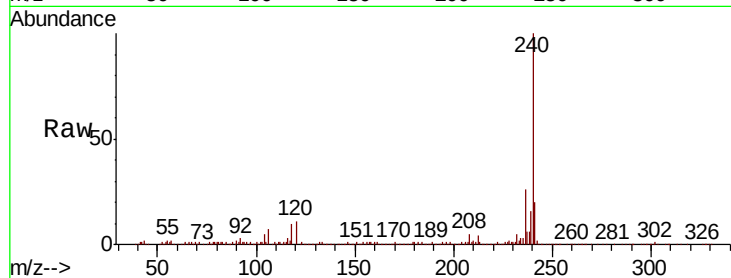




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112588.D
Acq: 15 Feb 2019 19:37

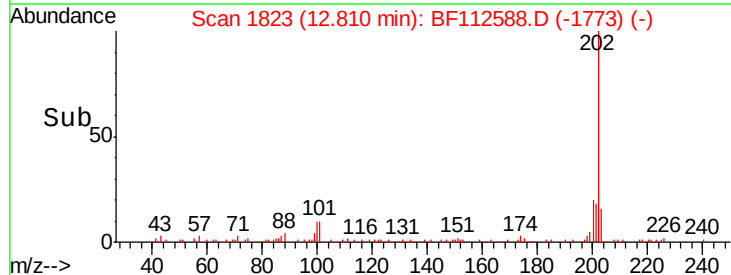
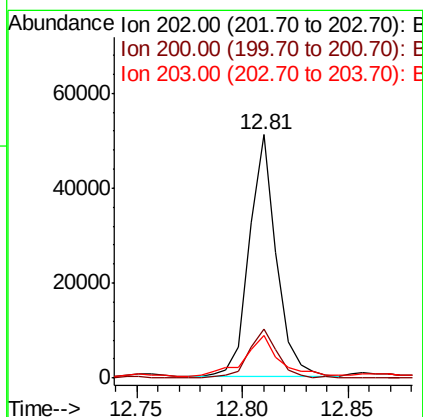
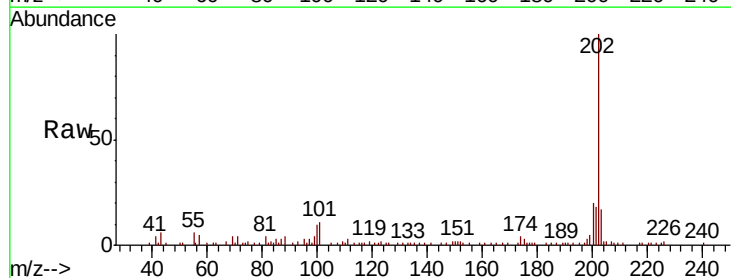
Instrument :
BNA_F
ClientSampleId :
CL-01-021419-B

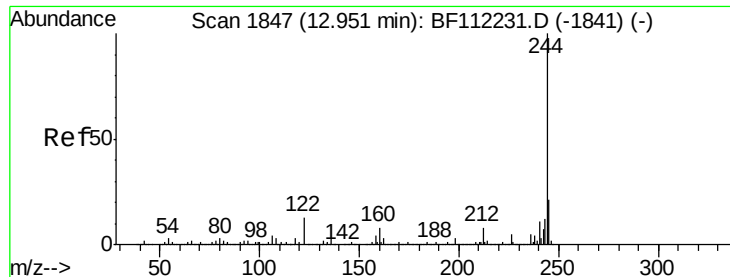
Tgt Ion:240 Resp: 248076
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 25.9 20.7 31.1



#78
Pyrene
Concen: 2.646 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF112588.D
Acq: 15 Feb 2019 19:37

Tgt Ion:202 Resp: 45441
Ion Ratio Lower Upper
202 100
200 20.0 17.7 26.5
203 17.4 14.6 22.0





#79

Terphenyl-d14

Concen: 29.081 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112588.D

Acq: 15 Feb 2019 19:37

Instrument :

BNA_F

ClientSampleId :

CL-01-021419-B

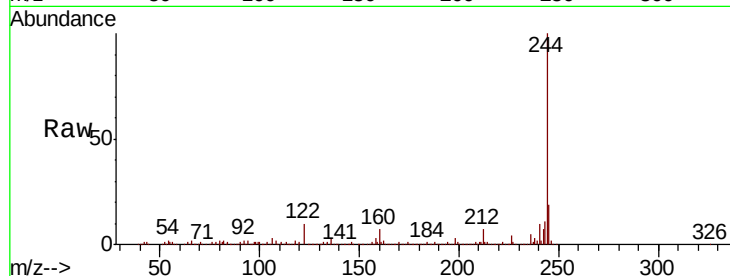
Tgt Ion:244 Resp: 383038

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

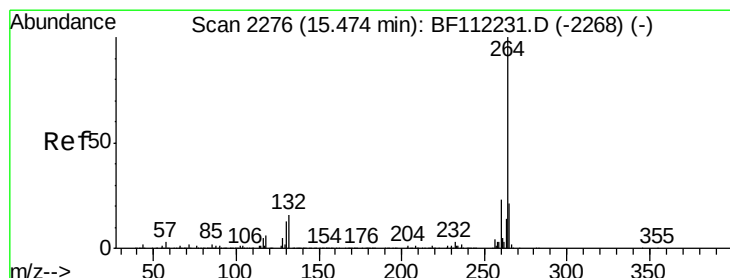
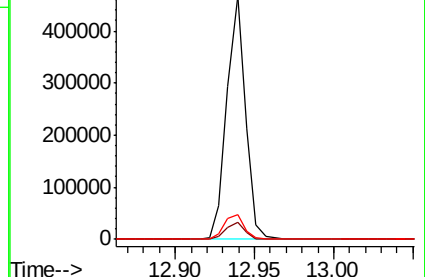
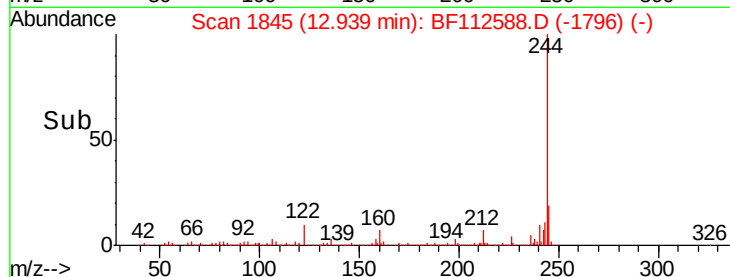
122 10.3 9.8 14.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.02 min

Lab File: BF112588.D

Acq: 15 Feb 2019 19:37

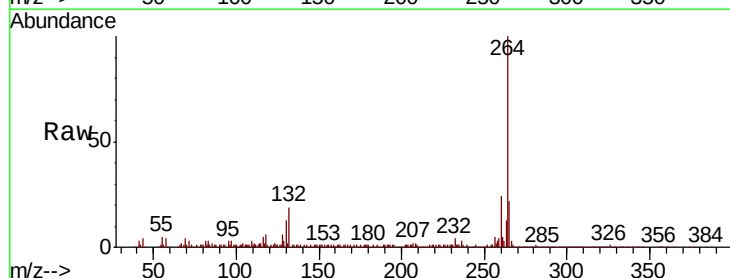
Tgt Ion:264 Resp: 242752

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.2

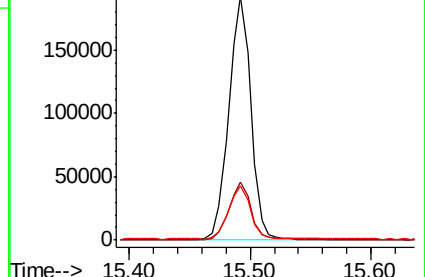
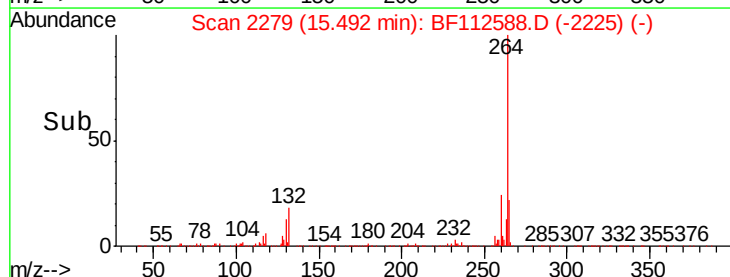
265 22.1 17.0 25.4

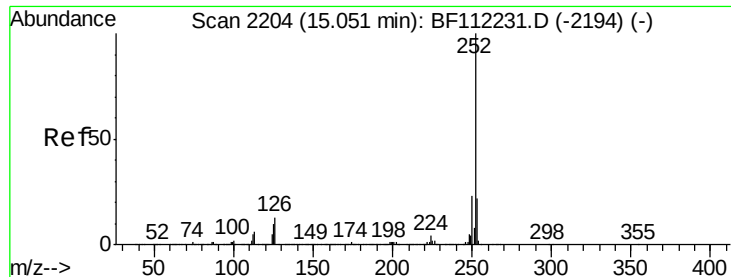


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

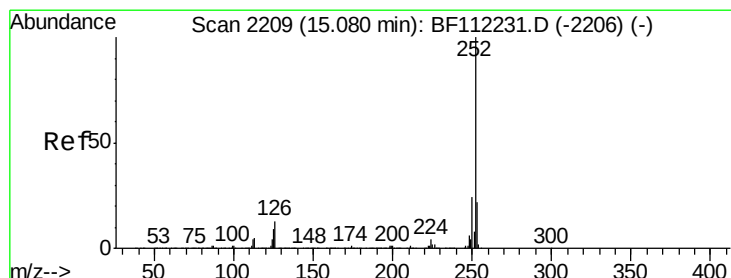
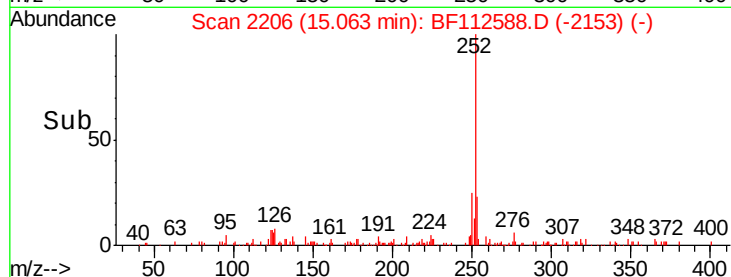
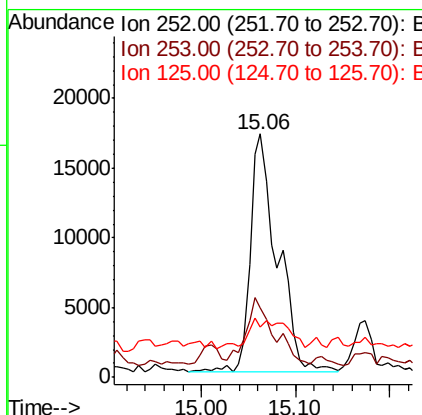
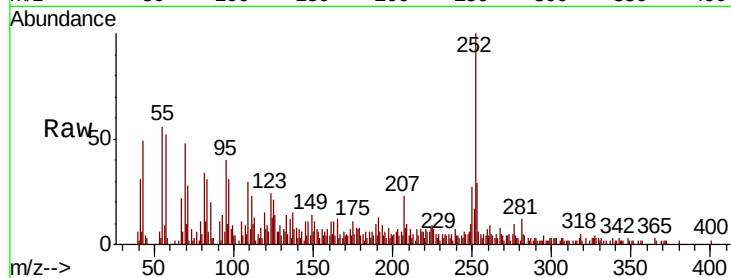




#88
Benzo(b)fluoranthene
Concen: 2.315 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112588.D
Acq: 15 Feb 2019 19:37

Instrument :
BNA_F
ClientSampleId :
CL-01-021419-B

Tgt Ion:252 Resp: 33613
Ion Ratio Lower Upper
252 100
253 28.6 18.0 27.0#
125 20.8 8.7 13.1#



#89
Benzo(k)fluoranthene
Concen: 2.417 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112588.D
Acq: 15 Feb 2019 19:37

Tgt Ion:252 Resp: 33613
Ion Ratio Lower Upper
252 100
253 28.6 18.0 27.0#
125 20.8 9.1 13.7#

