

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
 Data File : BF112589.D
 Acq On : 15 Feb 2019 20:04
 Operator : JU/SJ
 Sample : K1346-11 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Feb 15 23:45:33 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

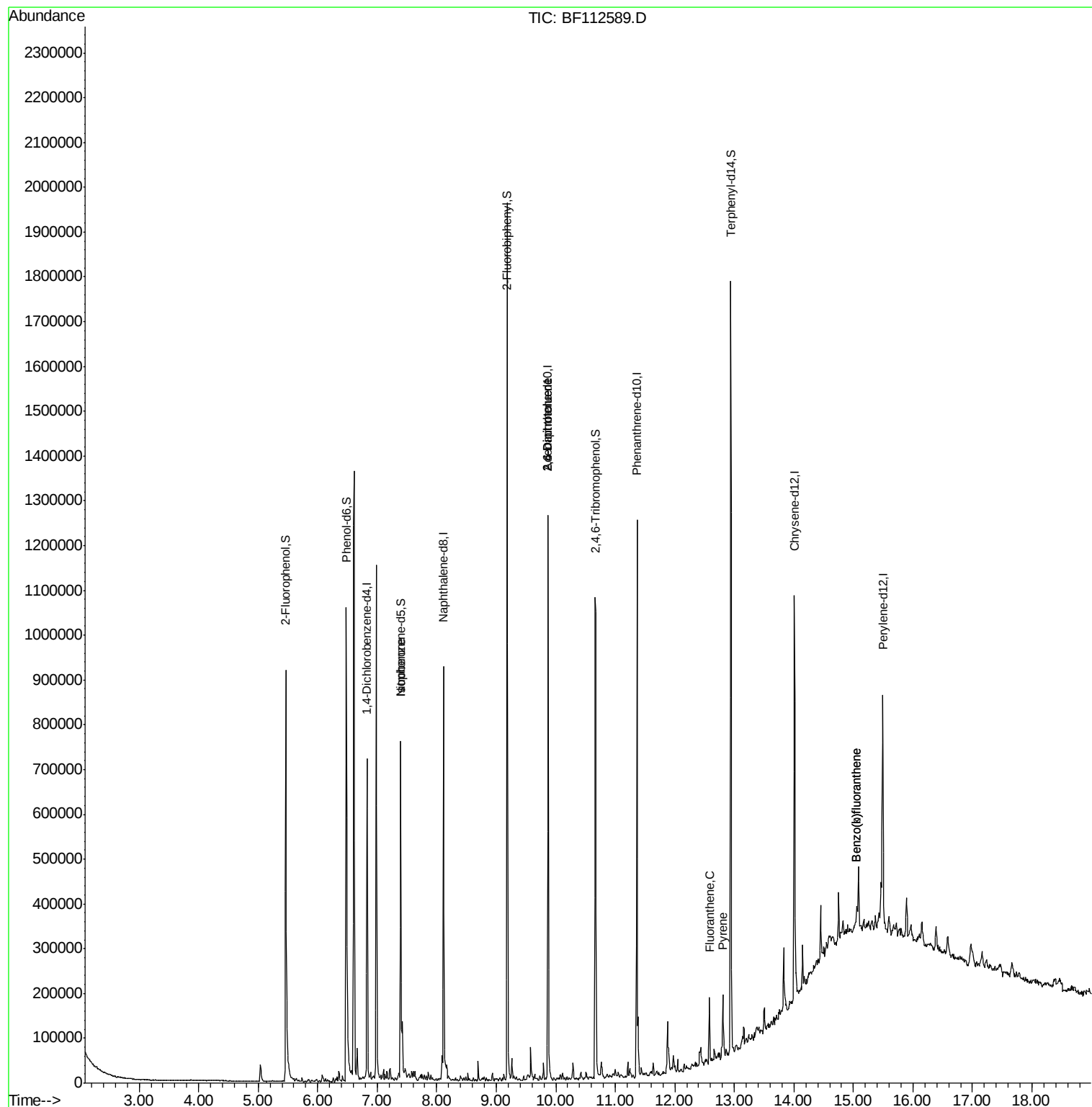
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	112039	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	471877	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	242613	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	457348	20.00	ng	0.00
76) Chrysene-d12	14.01	240	292314	20.00	ng	0.00
87) Perylene-d12	15.49	264	245131	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	321324	60.92	ng	-0.02
7) Phenol-d6	6.48	99	428758	58.50	ng	-0.01
23) Nitrobenzene-d5	7.39	82	278612	34.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	149362	52.89	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	572930	33.40	ng	-0.02
79) Terphenyl-d14	12.94	244	520114	33.51	ng	-0.01
Target Compounds						
25) Isophorone	7.39	82	274367	21.356	ng	# 64
51) 2,6-Dinitrotoluene	9.87	165	31446	7.449	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	31560	5.872	ng	# 32
75) Fluoranthene	12.58	202	55355	2.171	ng	95
78) Pyrene	12.81	202	49476	2.445	ng	99
88) Benzo(b)fluoranthene	15.06	252	33121	2.259	ng	# 75
89) Benzo(k)fluoranthene	15.06	252	33121	2.359	ng	# 76

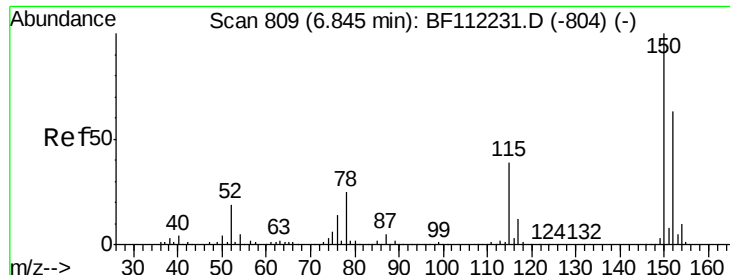
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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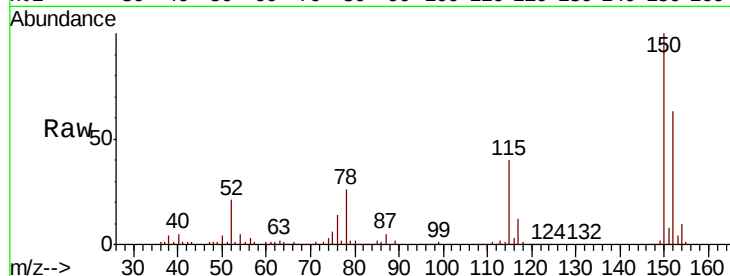


#1

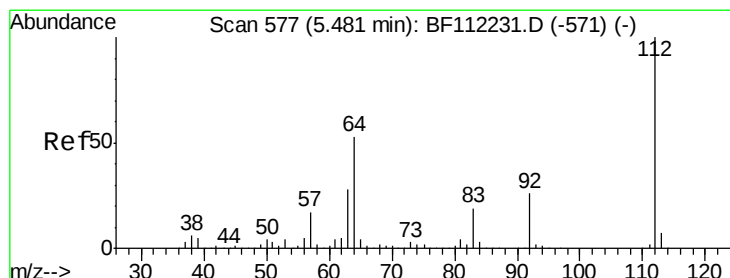
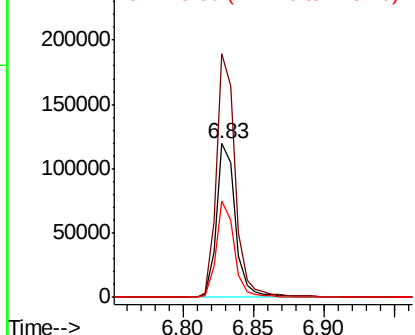
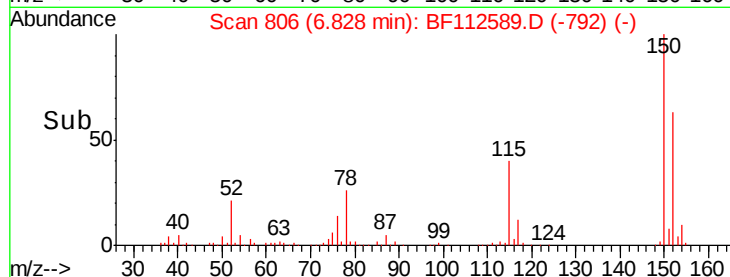
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF112589.D
 Acq: 15 Feb 2019 20:04

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

Tgt Ion:152 Resp: 112039
 Ion Ratio Lower Upper
 152 100
 150 158.5 127.4 191.0
 115 63.1 45.5 68.3



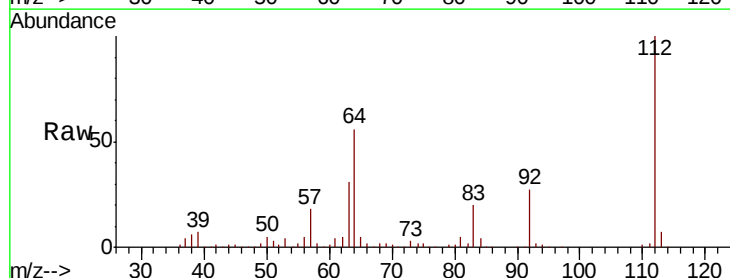
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



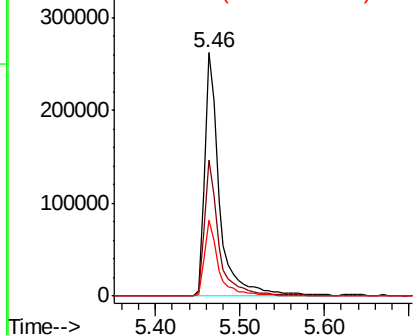
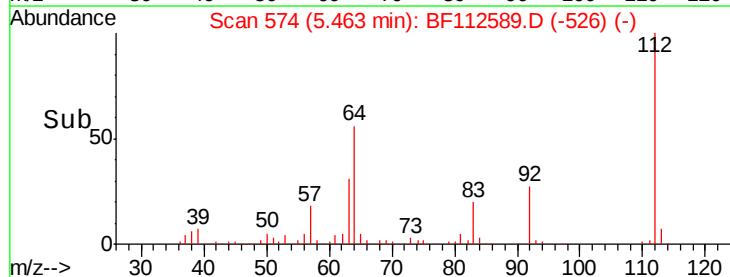
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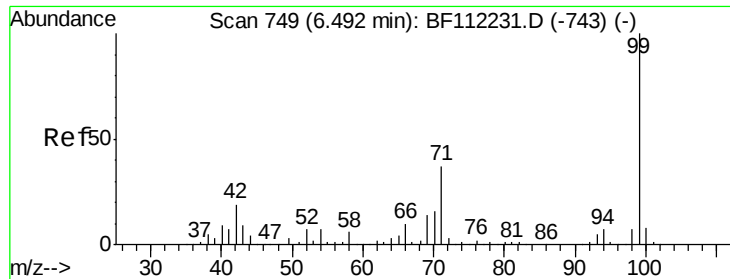
2-Fluorophenol
 Concen: 60.917 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BF112589.D
 Acq: 15 Feb 2019 20:04

Tgt Ion:112 Resp: 321324
 Ion Ratio Lower Upper
 112 100
 64 55.8 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: 58.497 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112589.D

Acq: 15 Feb 2019 20:04

Instrument :

BNA_F

ClientSampleId :

CL-01-021419-C

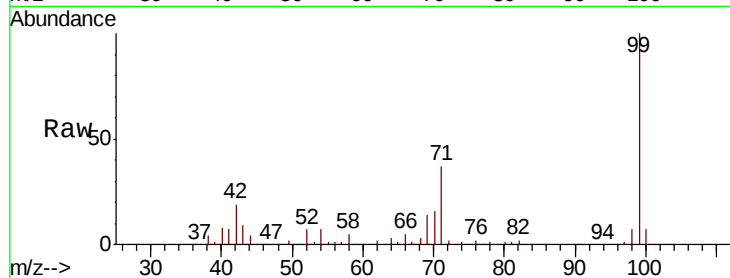
Tgt Ion: 99 Resp: 428758

Ion Ratio Lower Upper

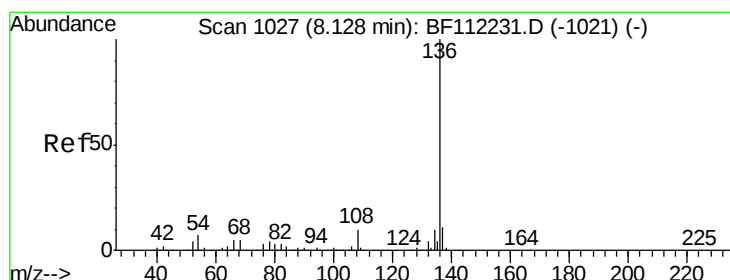
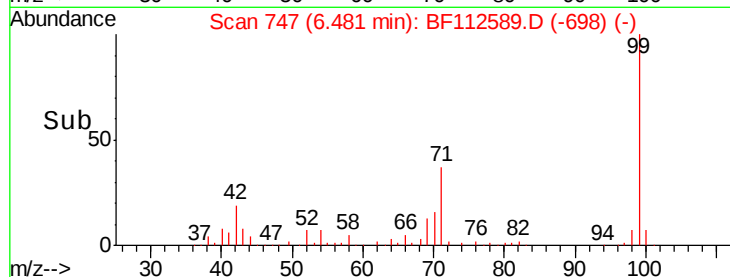
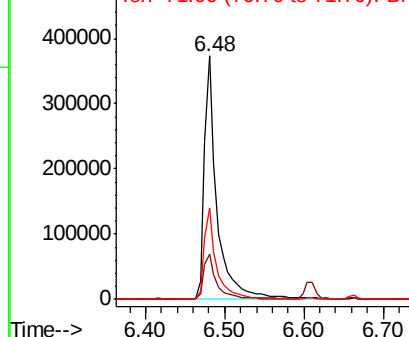
99 100

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112589.D

Acq: 15 Feb 2019 20:04

Tgt Ion: 136 Resp: 471877

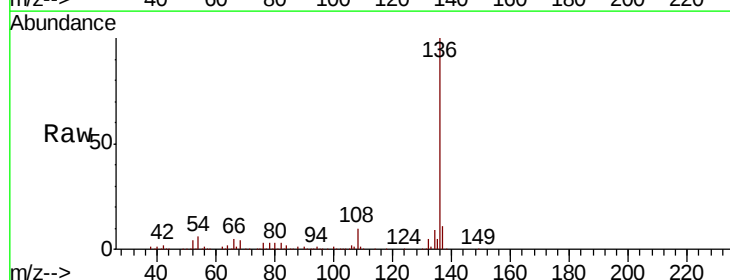
Ion Ratio Lower Upper

136 100

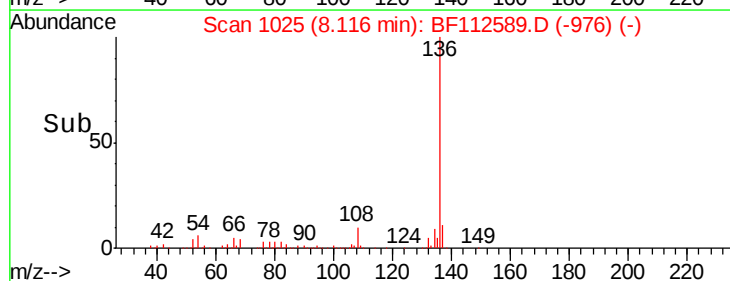
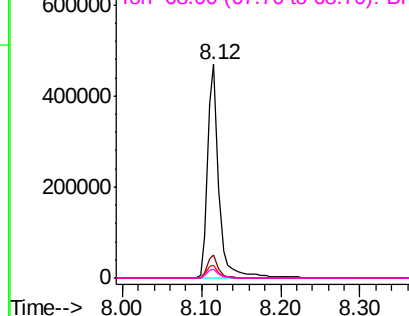
137 11.0 9.1 13.7

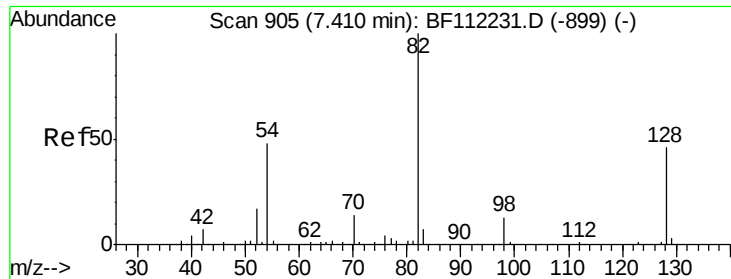
54 6.1 5.9 8.9

68 4.0 5.1 7.7#



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

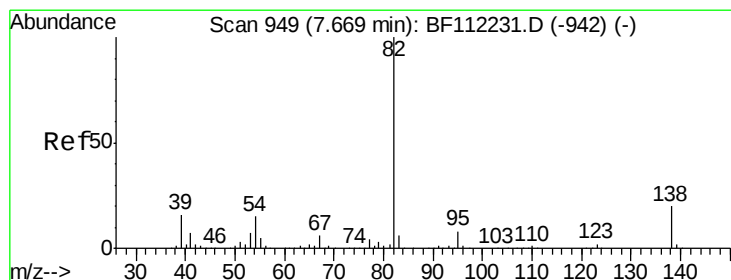
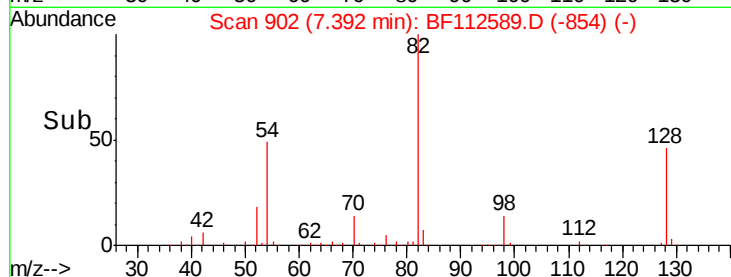
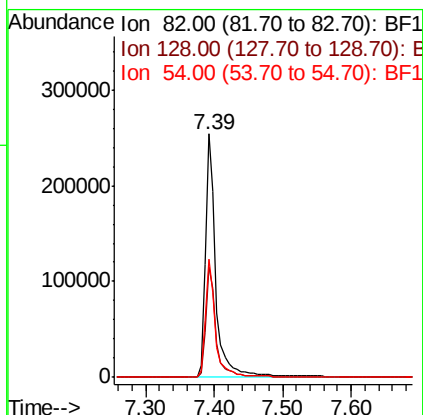
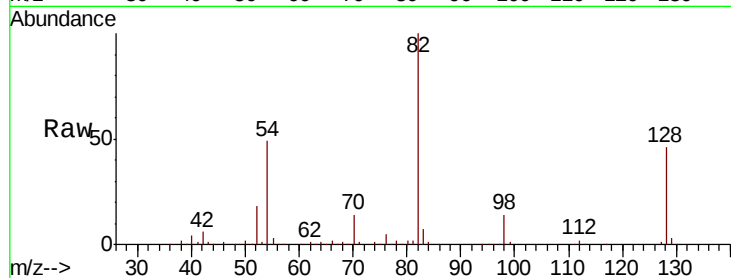




#23
Nitrobenzene-d5
Concen: 34.021 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112589.D
Acq: 15 Feb 2019 20:04

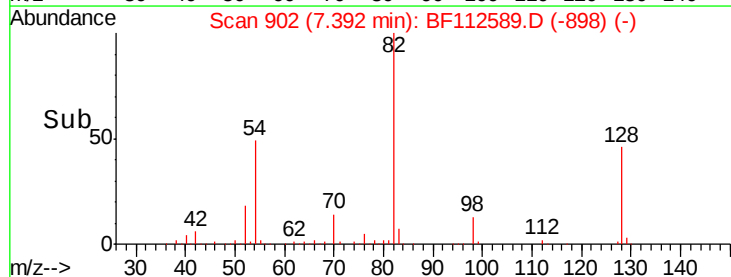
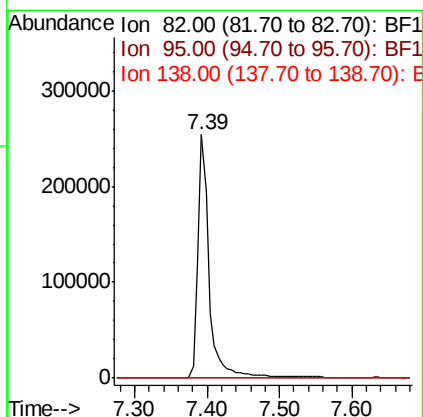
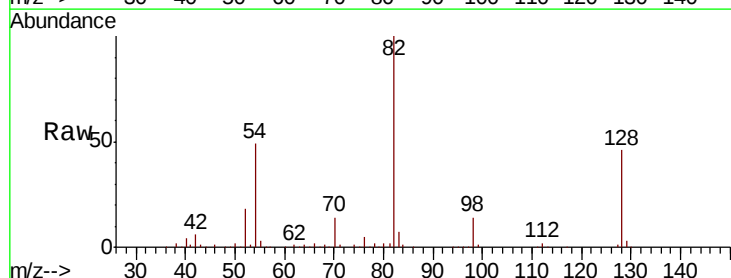
Instrument :
BNA_F
ClientSampleId :
CL-01-021419-C

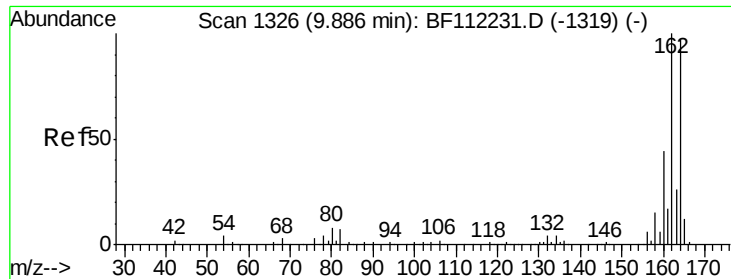
Tgt Ion: 82 Resp: 278612
Ion Ratio Lower Upper
82 100
128 45.6 37.8 56.8
54 48.6 39.7 59.5



#25
Isophorone
Concen: 21.356 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.28 min
Lab File: BF112589.D
Acq: 15 Feb 2019 20:04

Tgt Ion: 82 Resp: 274367
Ion Ratio Lower Upper
82 100
95 0.2 5.7 8.5#
138 0.0 15.4 23.0#

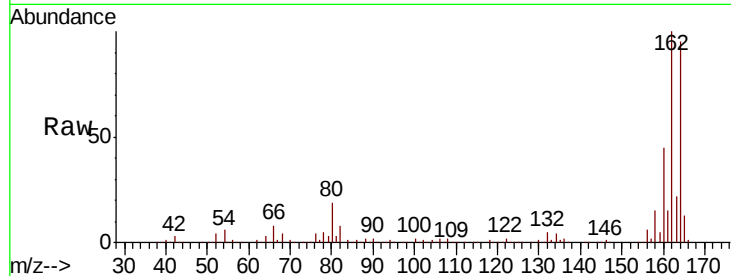




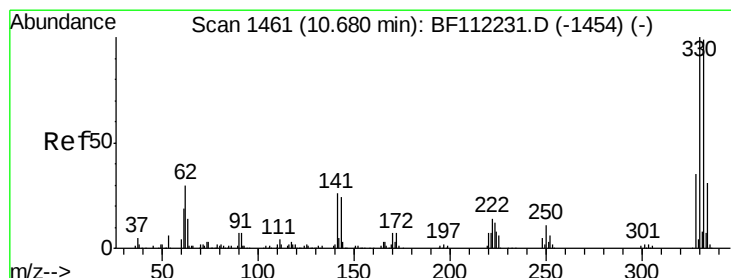
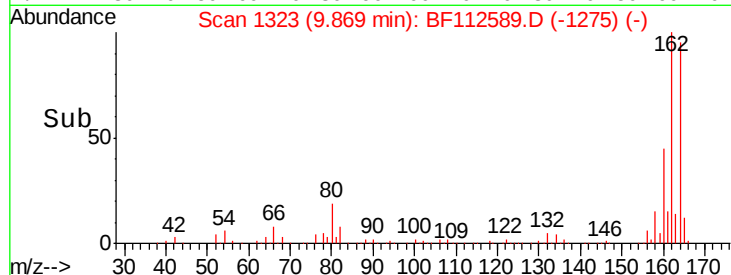
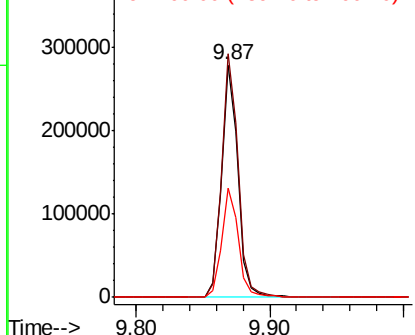
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112589.D
Acq: 15 Feb 2019 20:04

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

Tgt Ion:164 Resp: 242613
Ion Ratio Lower Upper
164 100
162 104.9 82.2 123.4
160 47.0 36.2 54.4

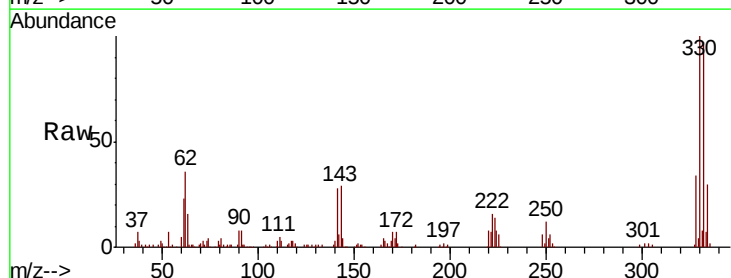


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

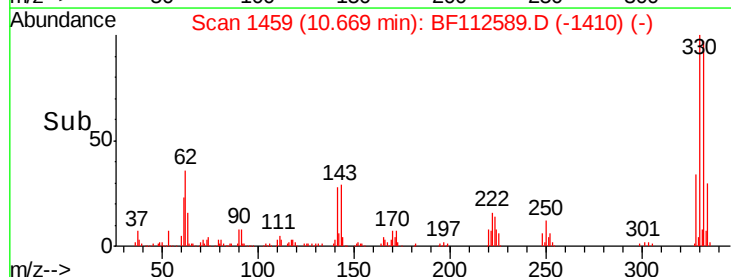
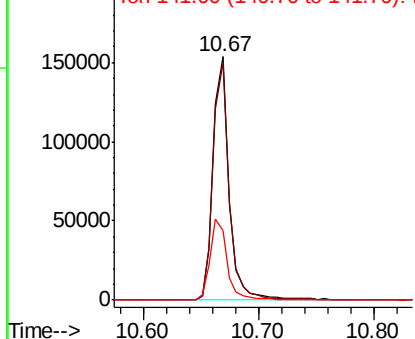


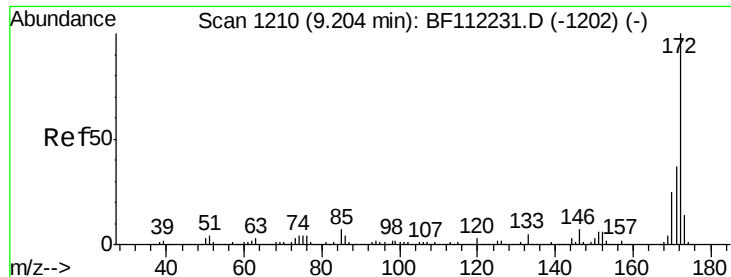
#42
2,4,6-Tribromophenol
Concen: 52.891 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112589.D
Acq: 15 Feb 2019 20:04

Tgt Ion:330 Resp: 149362
Ion Ratio Lower Upper
330 100
332 98.0 76.6 114.8
141 35.2 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

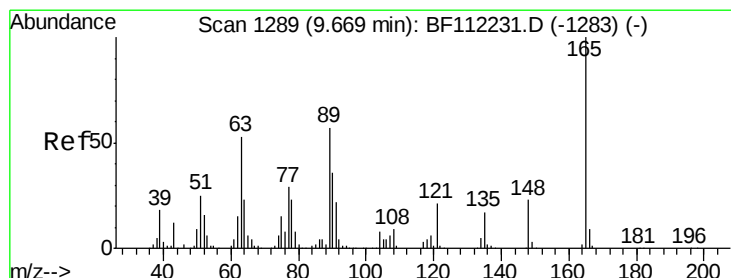
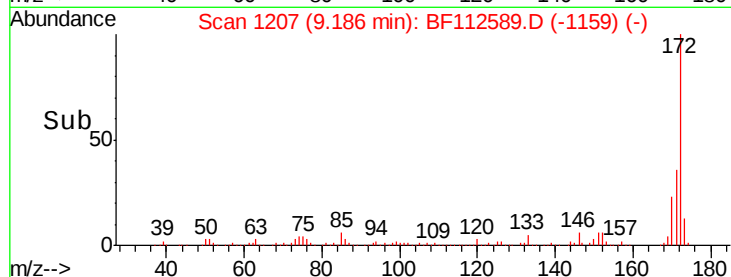
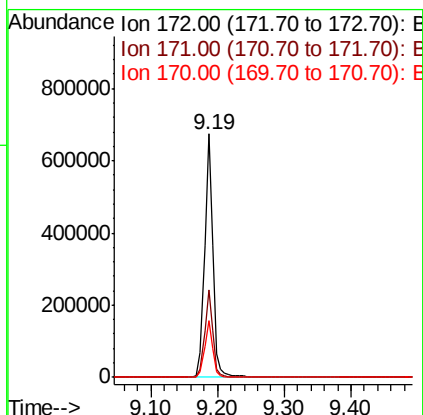
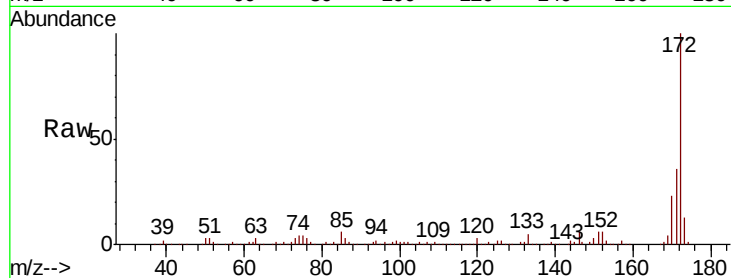




#45
 2-Fluorobiphenyl
 Concen: 33.400 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112589.D
 Acq: 15 Feb 2019 20:04

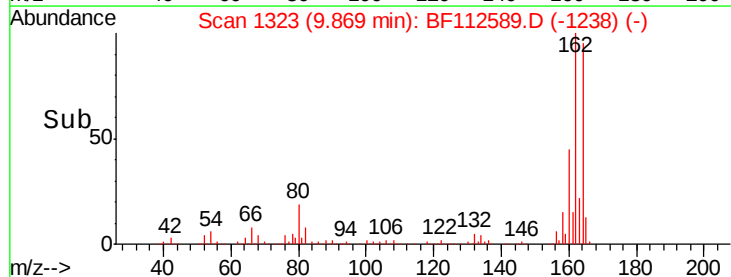
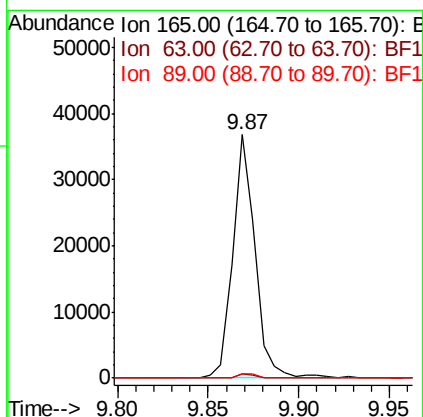
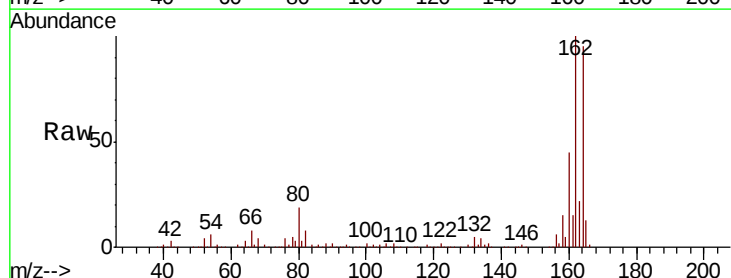
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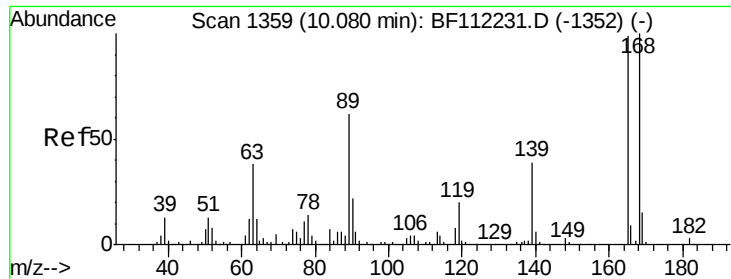
Tgt Ion:172 Resp: 572930
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.5 45.7
 170 23.3 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.449 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112589.D
 Acq: 15 Feb 2019 20:04

Tgt Ion:165 Resp: 31446
 Ion Ratio Lower Upper
 165 100
 63 1.6 33.8 50.8#
 89 1.5 36.9 55.3#

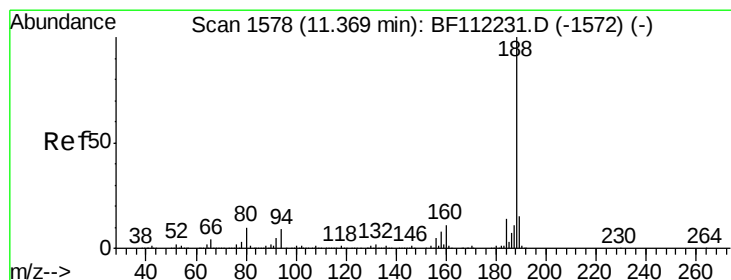
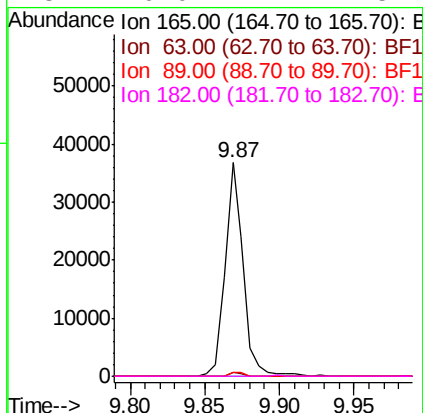
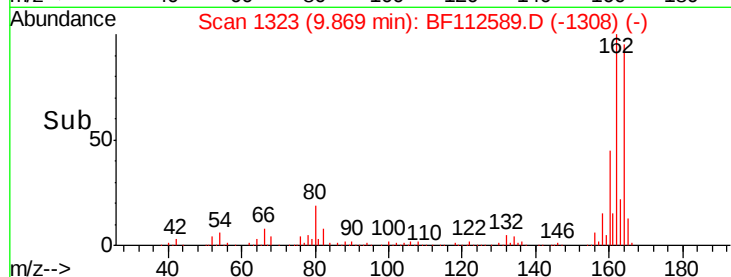
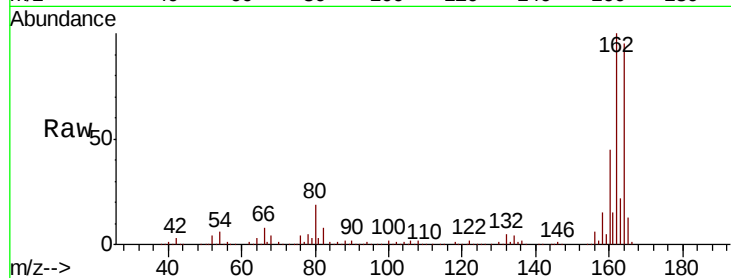




#57
 2,4-Dinitrotoluene
 Concen: 5.872 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112589.D
 Acq: 15 Feb 2019 20:04

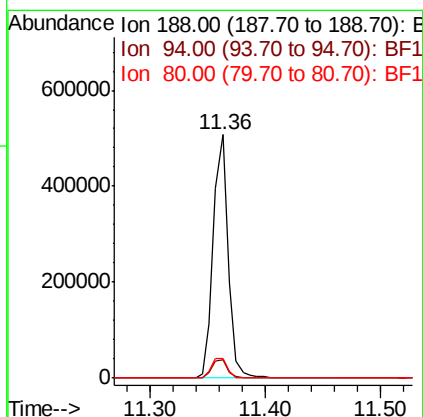
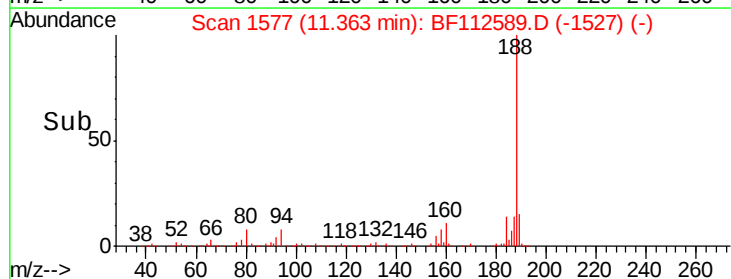
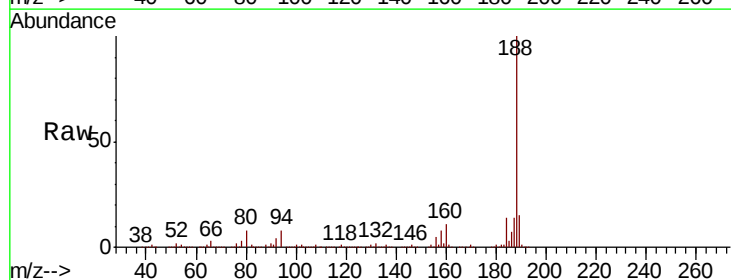
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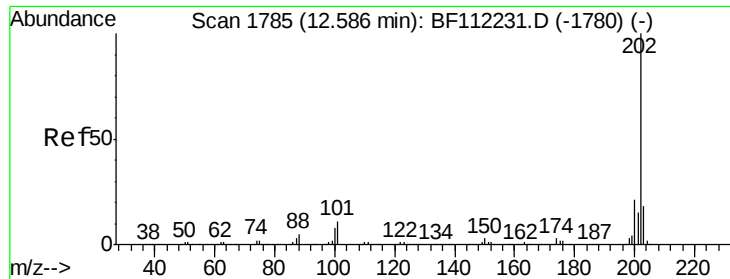
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	27.9	41.9#
89	1.5	47.9	71.9#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF112589.D
 Acq: 15 Feb 2019 20:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	8.2	12.2#
80	8.3	8.9	13.3#





#75

Fluoranthene

Concen: 2.171 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112589.D

Acq: 15 Feb 2019 20:04

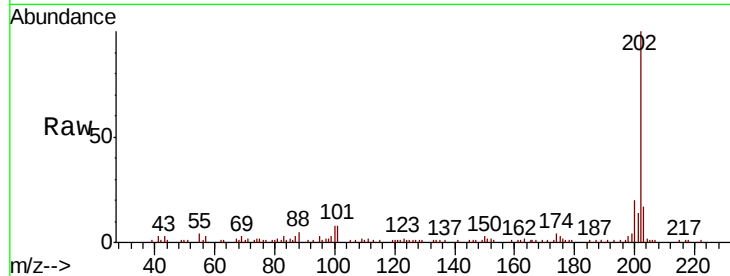
Instrument :

BNA_F

ClientSampleId :

CL-01-021419-C

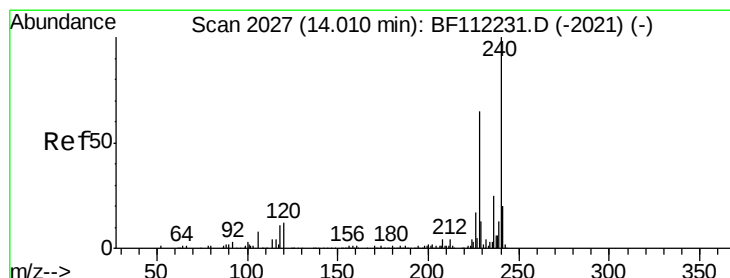
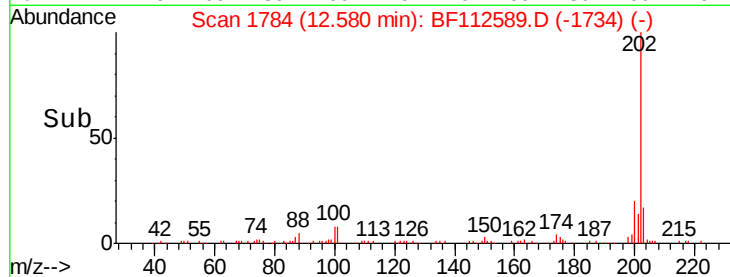
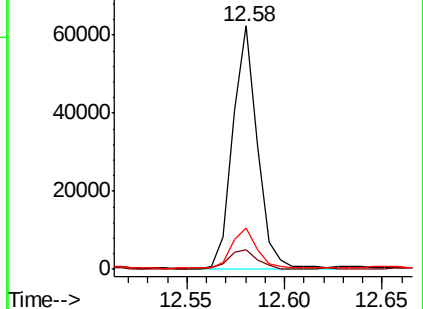
Tgt Ion:	202	Resp:	55355
Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	31.8
203	17.2	0.0	38.4



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

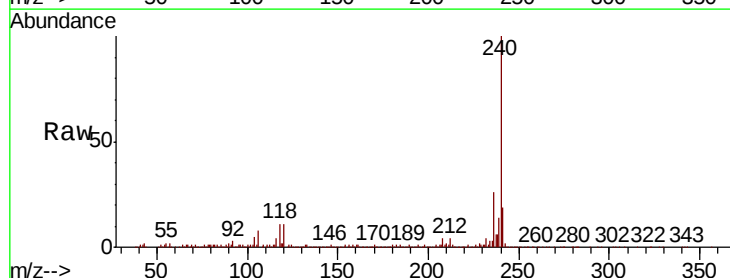
RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF112589.D

Acq: 15 Feb 2019 20:04

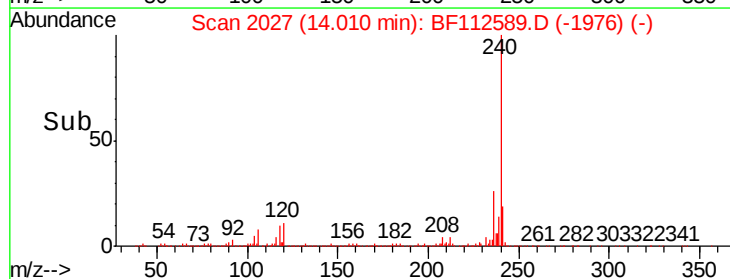
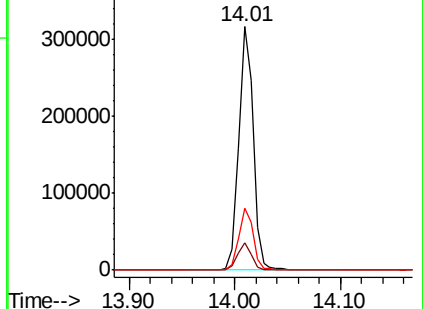
Tgt Ion:	240	Resp:	292314
Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.6
236	25.6	20.7	31.1

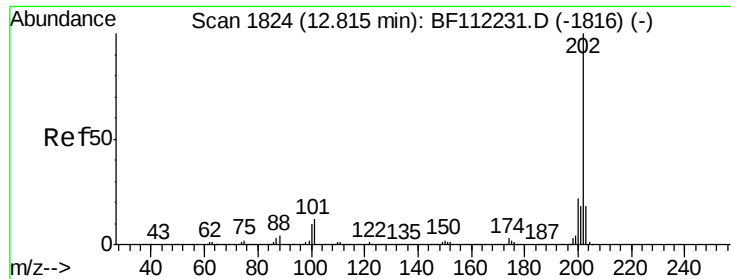


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

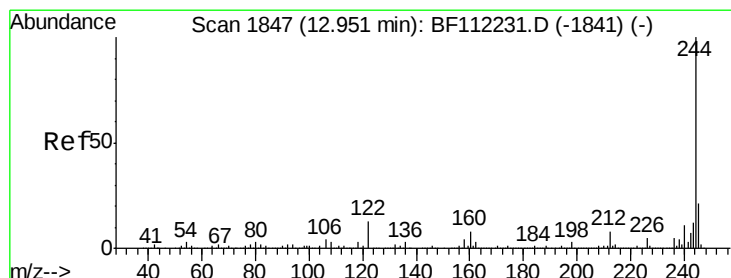
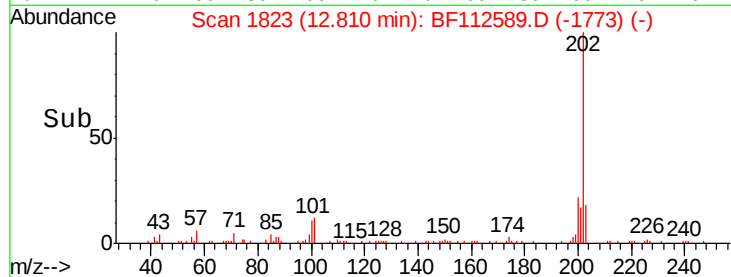
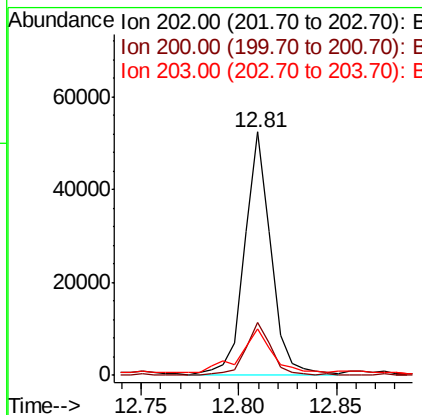
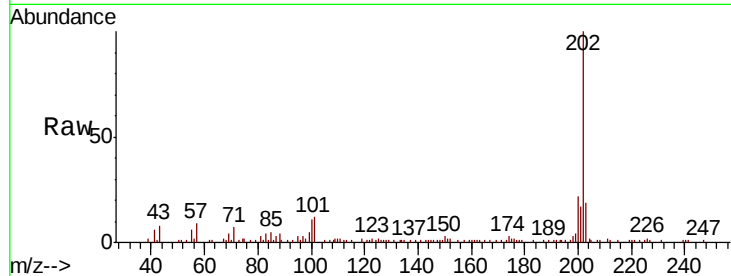




#78
 Pyrene
 Concen: 2.445 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF112589.D
 Acq: 15 Feb 2019 20:04

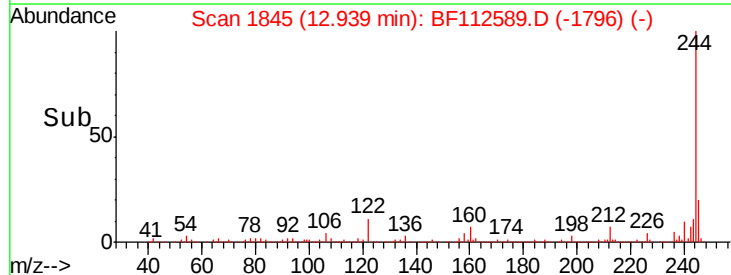
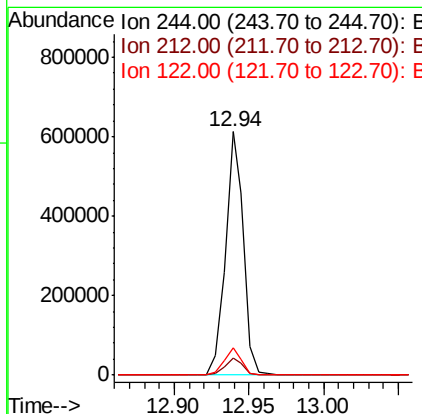
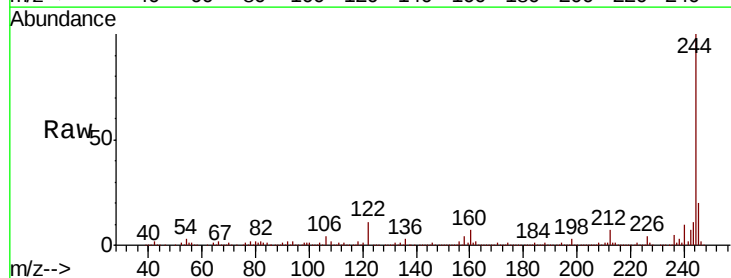
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-021419-C

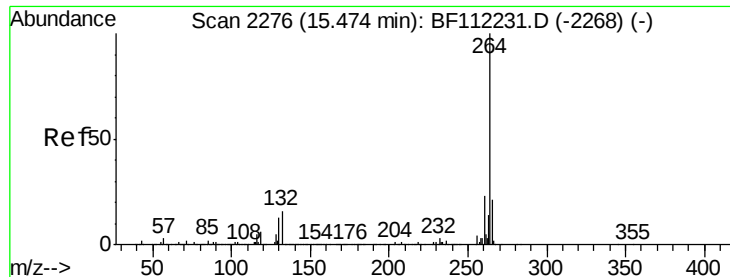
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.7	26.5
203	19.0	14.6	22.0



#79
 Terphenyl-d14
 Concen: 33.512 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112589.D
 Acq: 15 Feb 2019 20:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	11.4	9.8	14.6

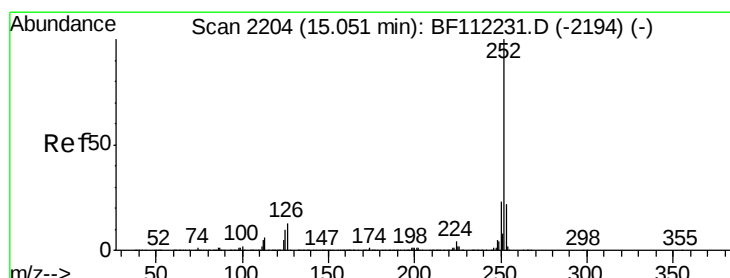
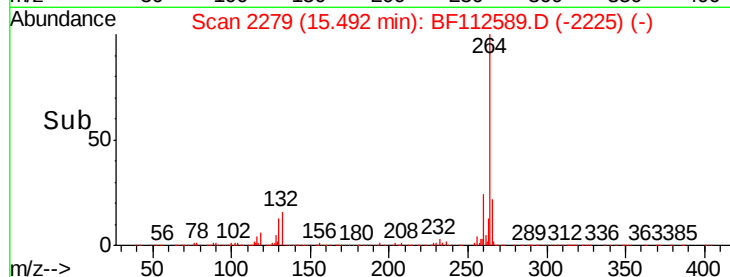
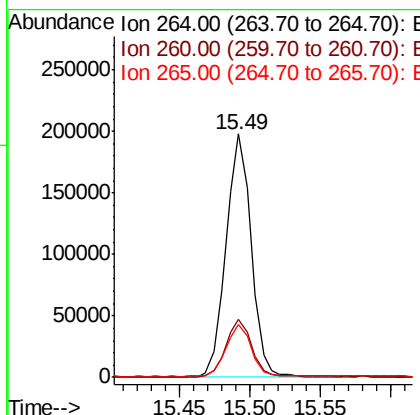
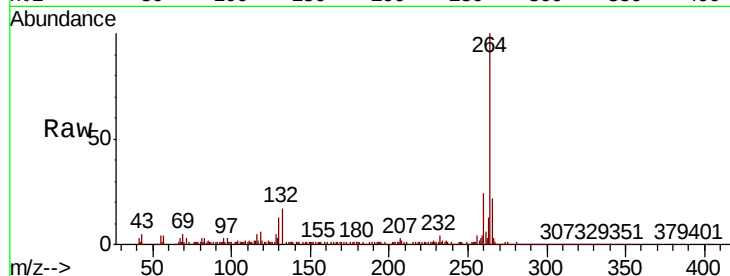




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112589.D
Acq: 15 Feb 2019 20:04

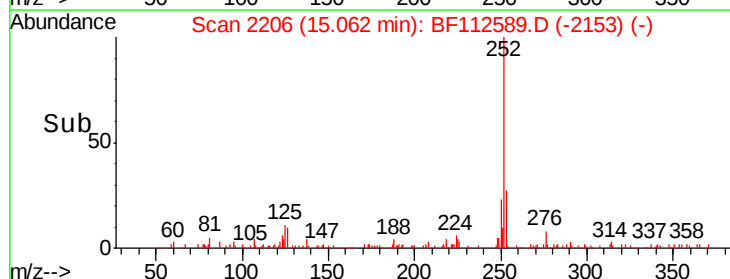
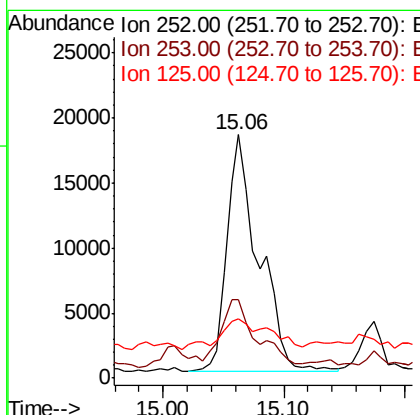
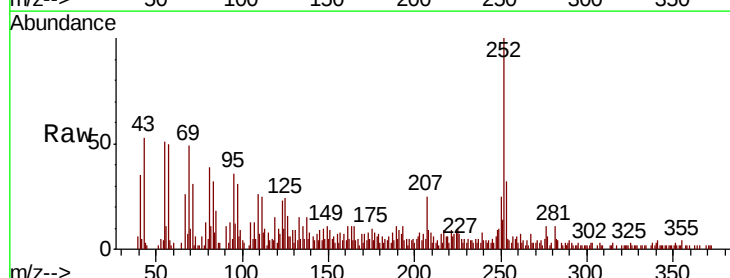
Instrument :
BNA_F
ClientSampleId :
CL-01-021419-C

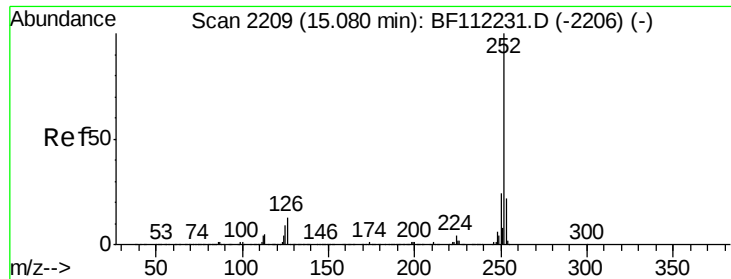
Tgt Ion: 264 Resp: 245131
Ion Ratio Lower Upper
264 100
260 23.8 18.2 27.2
265 21.9 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 2.259 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112589.D
Acq: 15 Feb 2019 20:04

Tgt Ion: 252 Resp: 33121
Ion Ratio Lower Upper
252 100
253 32.0 18.0 27.0#
125 24.1 8.7 13.1#





#89

Benzo(k)fluoranthene

Concen: 2.359 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BF112589.D

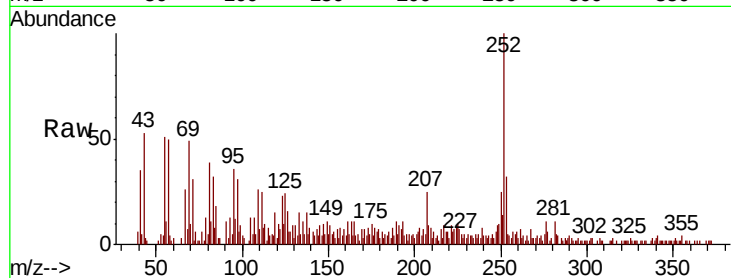
Acq: 15 Feb 2019 20:04

Instrument :

BNA_F

ClientSampleId :

CL-01-021419-C



Tgt Ion:	252	Resp:	33121
Ion	Ratio	Lower	Upper
252	100		
253	32.0	18.0	27.0#
125	24.1	9.1	13.7#

