

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022119\
 Data File : BF112651.D
 Acq On : 21 Feb 2019 14:35
 Operator : JU/SJ
 Sample : K1345-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022019

Quant Time: Feb 21 21:47:52 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	6.82	152	88051	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	356520	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	167193	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	286810	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	221891	20.00	ng	-0.01
87) Perylene-d12	15.47	264	224328	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	254762	61.46	ng	-0.02
7) Phenol-d6	6.47	99	326219	56.63	ng	-0.02
23) Nitrobenzene-d5	7.39	82	214428	34.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	97228	49.96	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	433420	36.66	ng	-0.03
79) Terphenyl-d14	12.93	244	362982	30.81	ng	-0.02

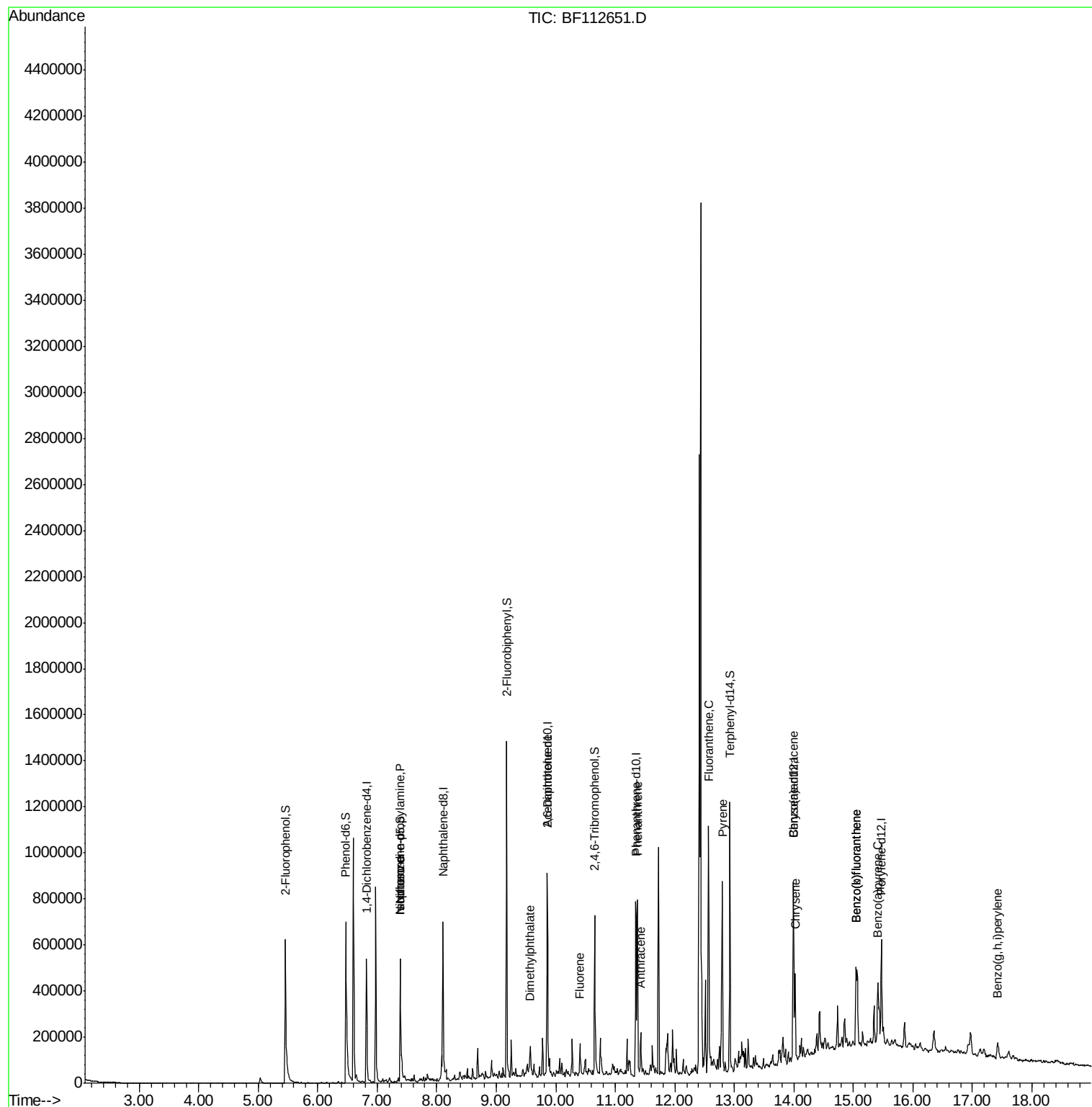
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	32488	8.179	ng	# 76
25) Isophorone	7.39	82	214428	22.090	ng	# 63
50) Dimethylphthalate	9.57	163	35779	2.754	ng	# 98
51) 2,6-Dinitrotoluene	9.86	165	23126	7.949	ng	# 35
58) Fluorene	10.41	166	41344	3.643	ng	97
71) Phenanthrene	11.37	178	302407	20.281	ng	97
72) Anthracene	11.43	178	79629	5.361	ng	98
75) Fluoranthene	12.57	202	406519	25.419	ng	96
78) Pyrene	12.80	202	340062	22.136	ng	97
81) Benzo(a)anthracene	13.99	228	163175	12.510	ng	99
83) Chrysene	14.02	228	132323	10.627	ng	99
88) Benzo(b)fluoranthene	15.04	252	241098	17.971	ng	99
89) Benzo(k)fluoranthene	15.04	252	241098	18.762	ng	99
90) Benzo(a)pyrene	15.41	252	131481	10.892	ng	99
92) Benzo(g,h,i)perylene	17.42	276	55952	6.096	ng	98

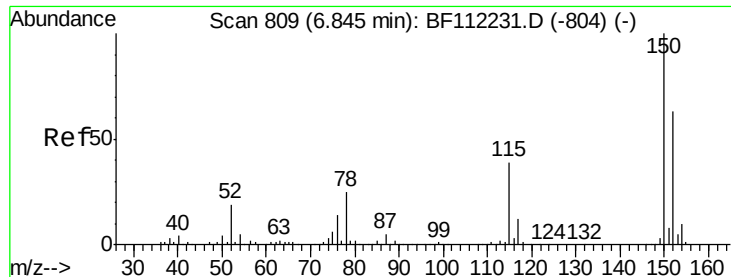
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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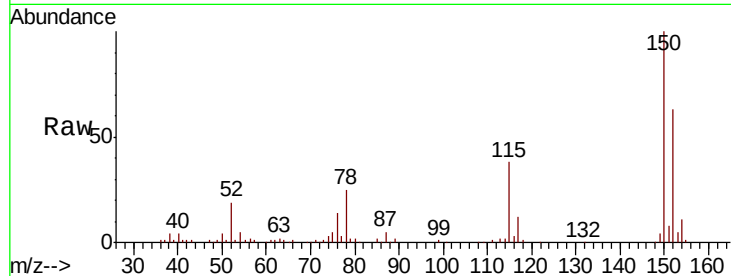


#1

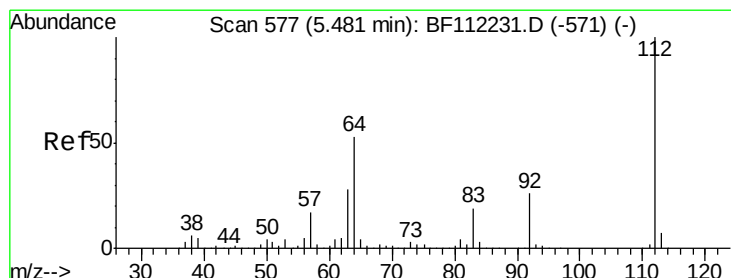
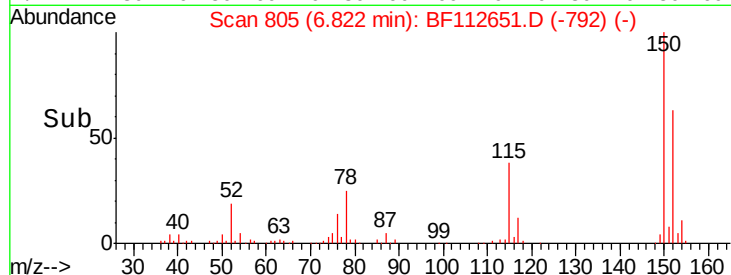
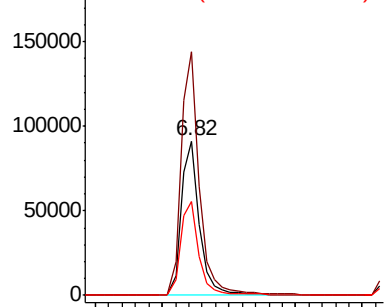
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112651.D
Acq: 21 Feb 2019 14:35

Instrument :
BNA_F
ClientSampleId :
HD-01-022019

Tgt Ion:152 Resp: 88051
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.0
115 60.4 45.5 68.3



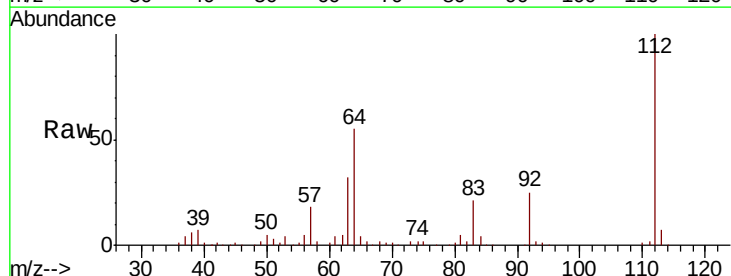
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



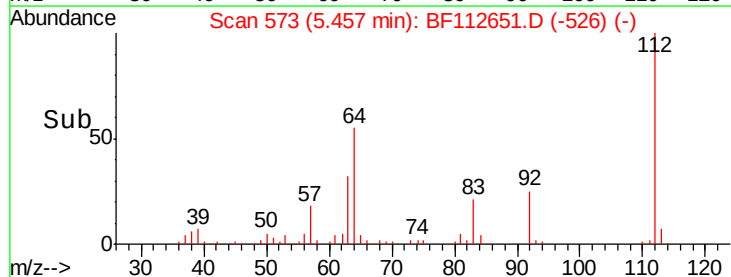
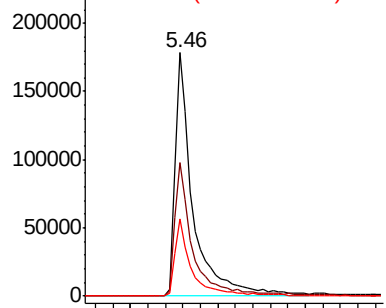
#5

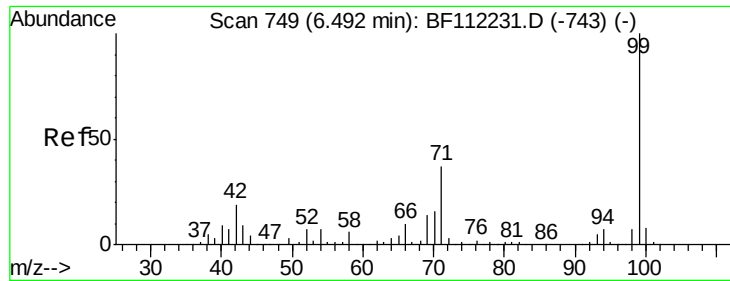
2-Fluorophenol
Concen: 61.457 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF112651.D
Acq: 21 Feb 2019 14:35

Tgt Ion:112 Resp: 254762
Ion Ratio Lower Upper
112 100
64 54.8 45.7 68.5
63 31.5 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: 56.633 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

Instrument :

BNA_F

ClientSampleId :

HD-01-022019

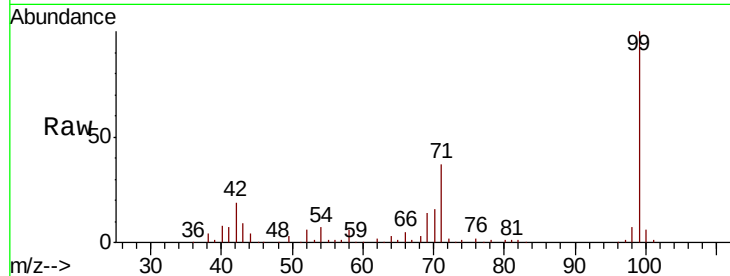
Tgt Ion: 99 Resp: 326219

Ion Ratio Lower Upper

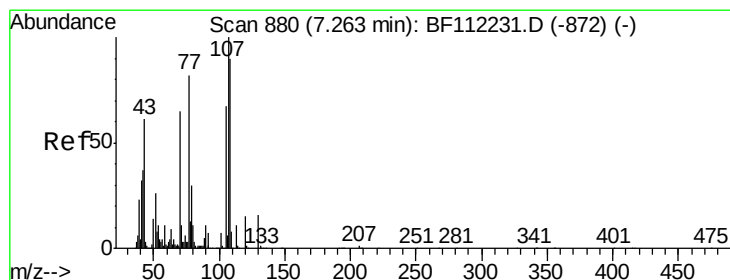
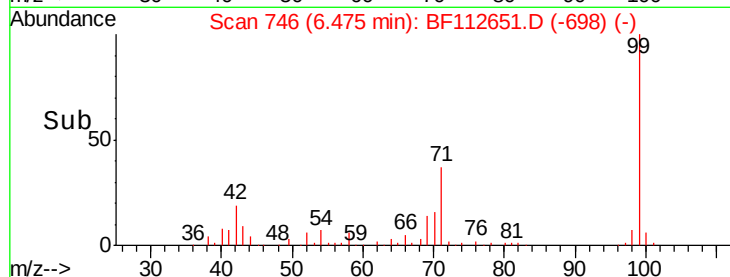
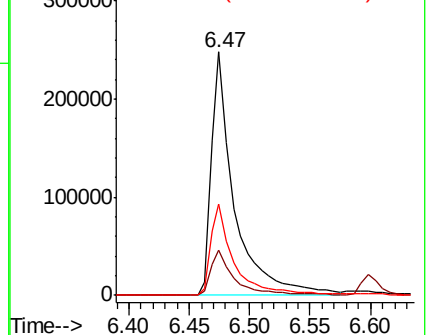
99 100

42 18.5 15.1 22.7

71 37.5 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: 8.179 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.12 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

Tgt Ion: 70 Resp: 32488

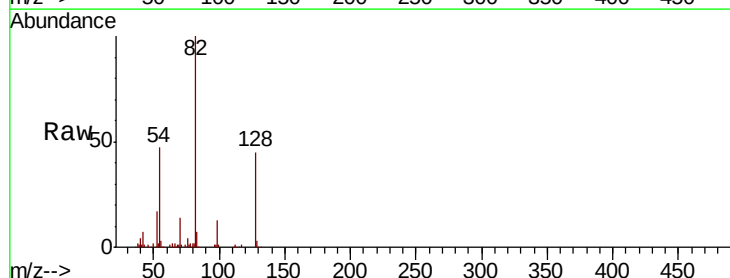
Ion Ratio Lower Upper

70 100

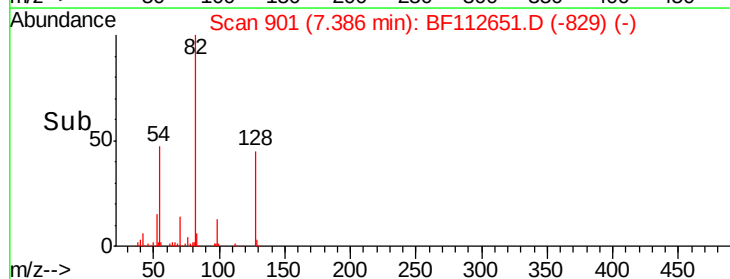
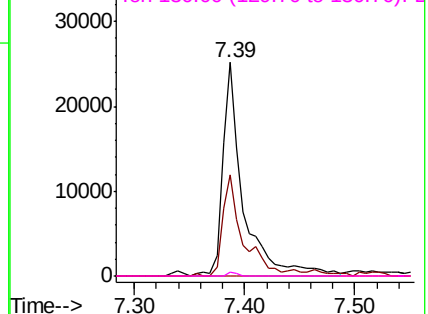
42 47.1 47.6 71.4#

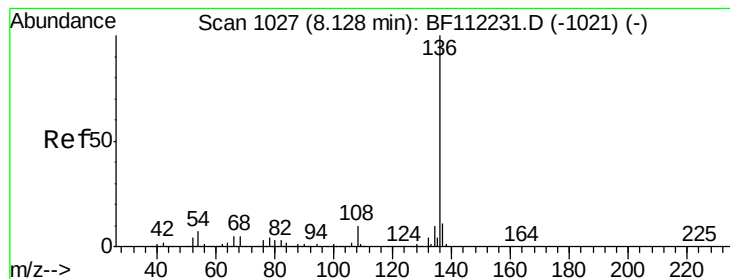
101 0.0 7.9 11.9#

130 1.6 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

Instrument :

BNA_F

ClientSampleId :

HD-01-022019

Tgt Ion:136 Resp: 356520

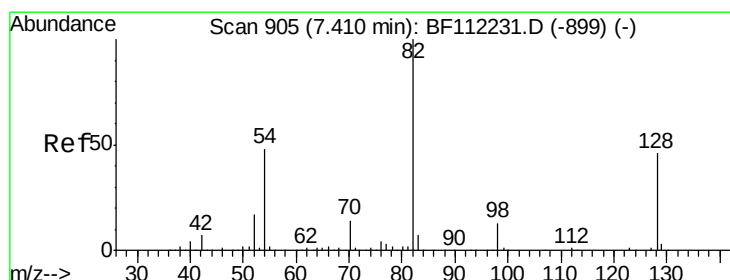
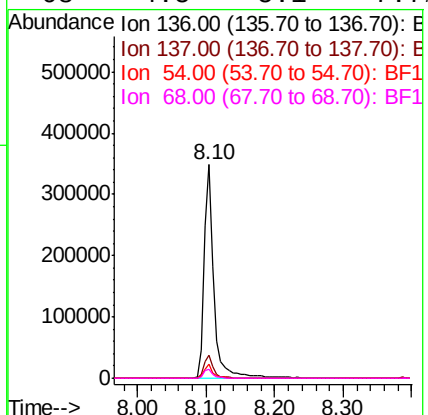
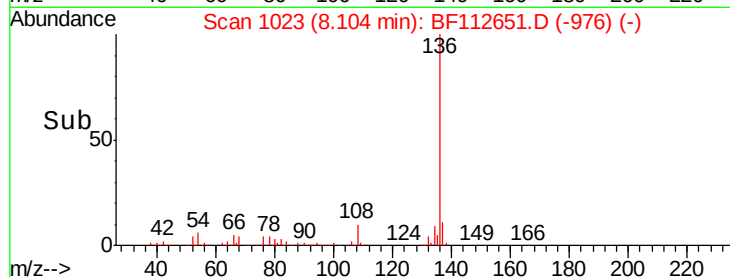
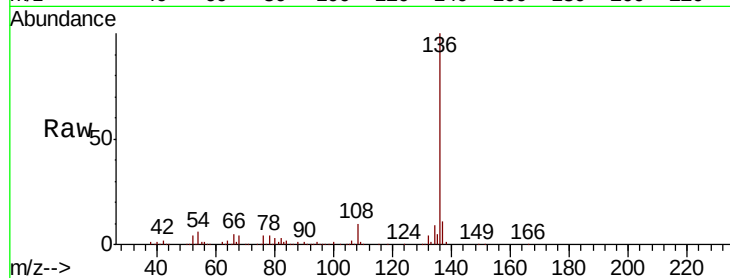
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.4 5.9 8.9

68 4.5 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 34.655 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

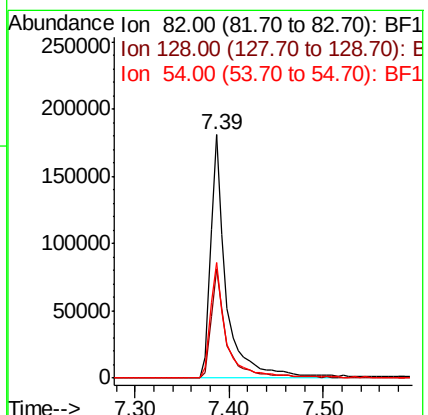
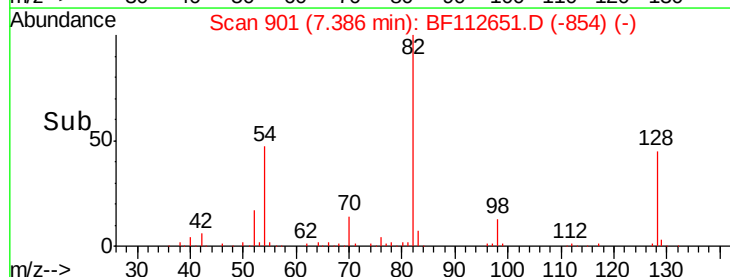
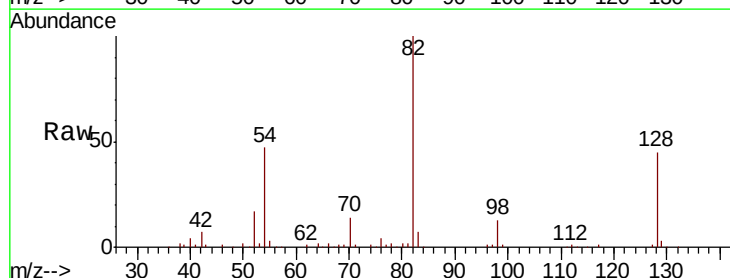
Tgt Ion: 82 Resp: 214428

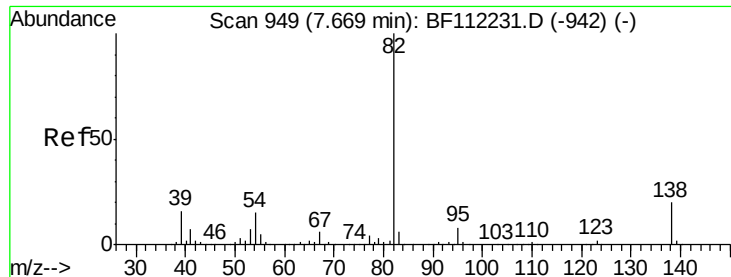
Ion Ratio Lower Upper

82 100

128 45.1 37.8 56.8

54 47.5 39.7 59.5





#25

Isophorone

Concen: 22.090 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.28 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

Instrument :

BNA_F

ClientSampleId :

HD-01-022019

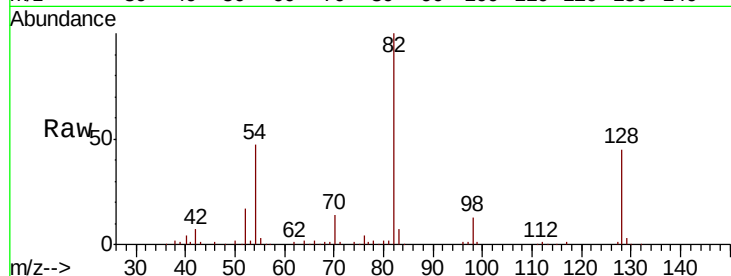
Tgt Ion: 82 Resp: 214428

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

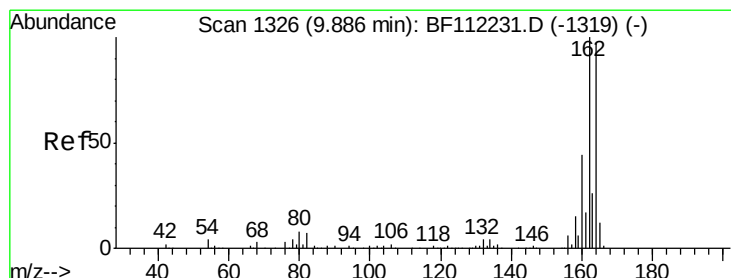
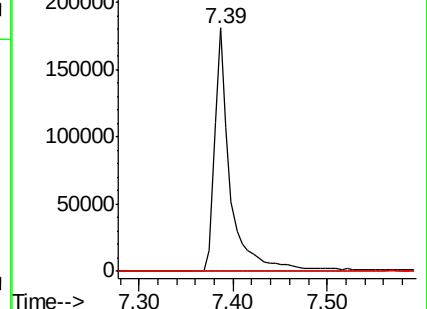
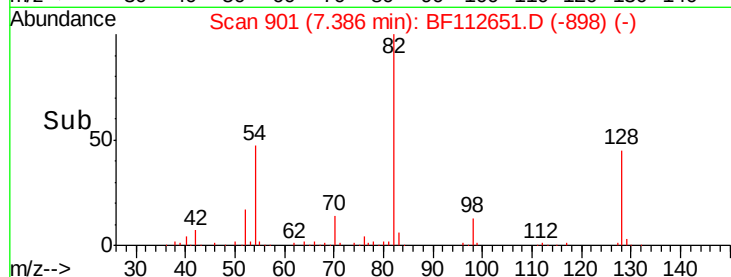
138 0.0 15.4 23.0#



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: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

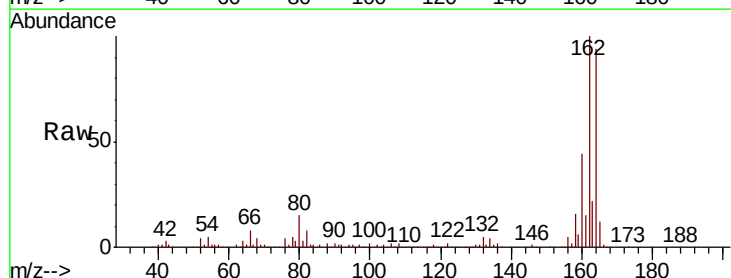
Tgt Ion: 164 Resp: 167193

Ion Ratio Lower Upper

164 100

162 105.9 82.2 123.4

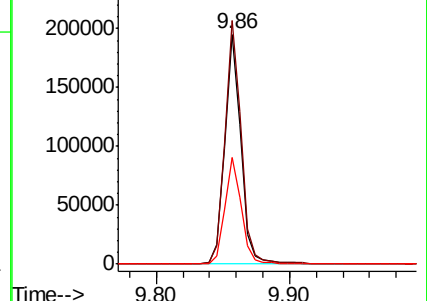
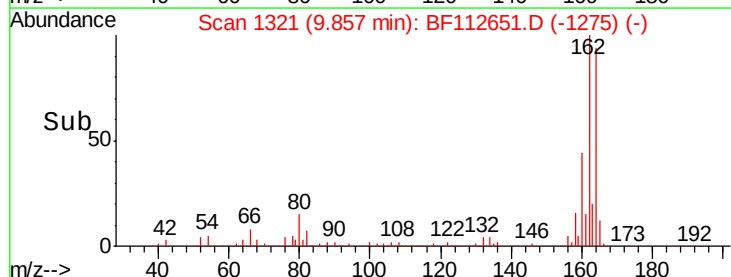
160 46.2 36.2 54.4

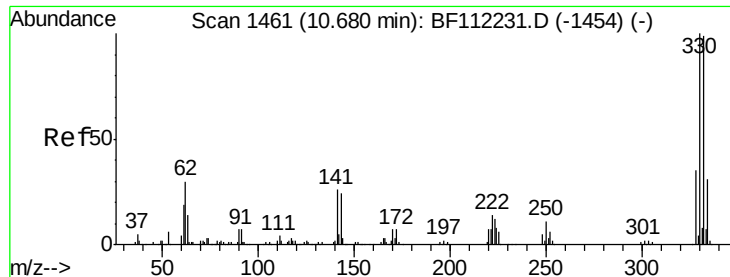


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 49.961 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

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HD-01-022019

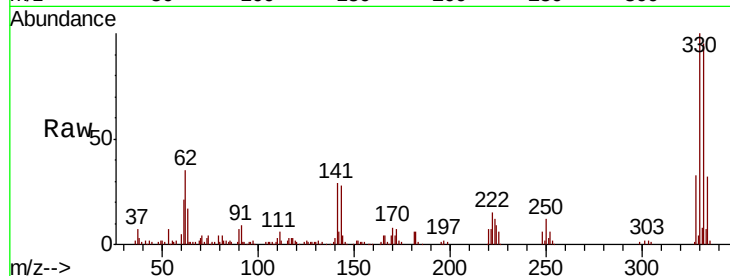
Tgt Ion:330 Resp: 97228

Ion Ratio Lower Upper

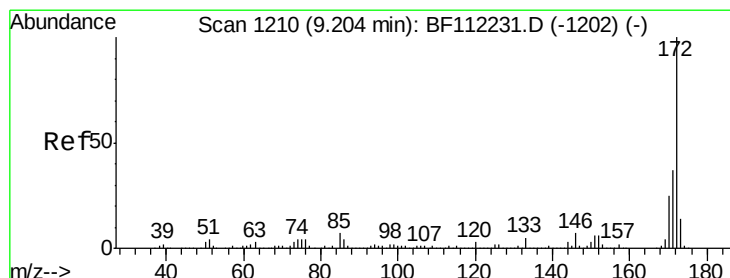
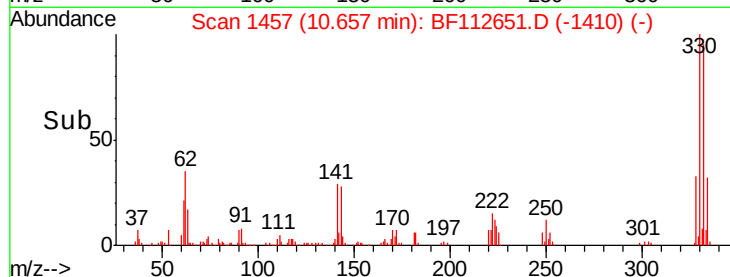
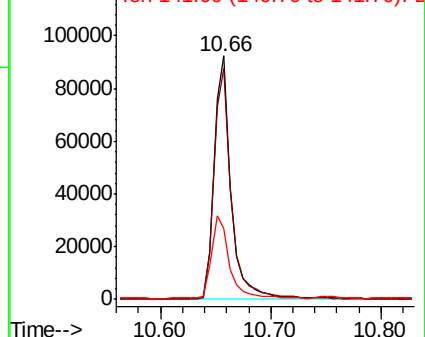
330 100

332 96.4 76.6 114.8

141 36.8 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: 36.664 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

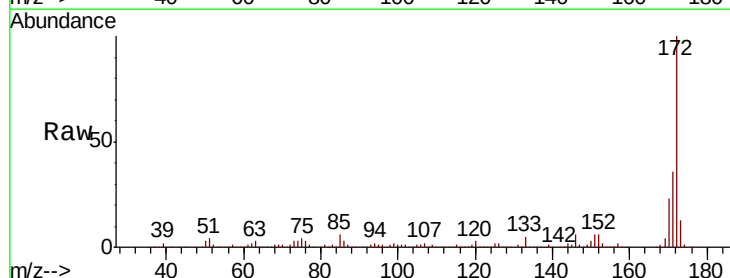
Tgt Ion:172 Resp: 433420

Ion Ratio Lower Upper

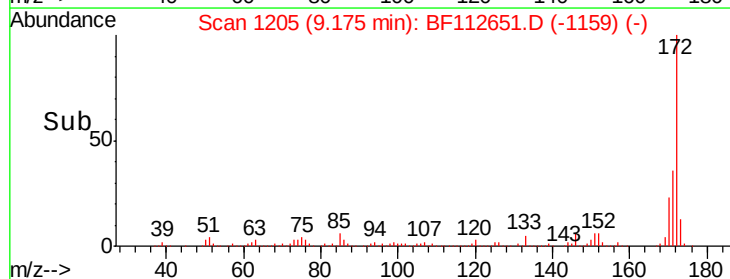
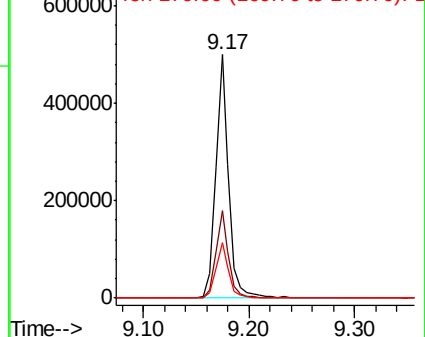
172 100

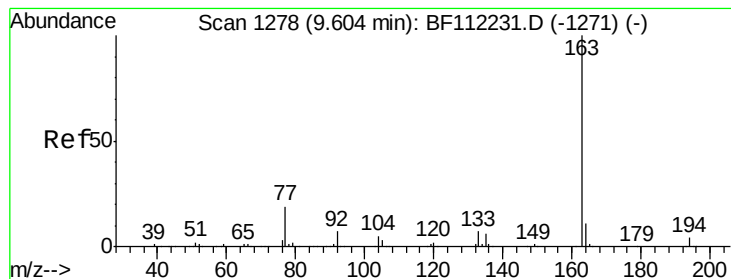
171 36.0 30.5 45.7

170 22.6 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





#50

Dimethylphthalate

Concen: 2.754 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.04 min

Lab File: BF112651.D

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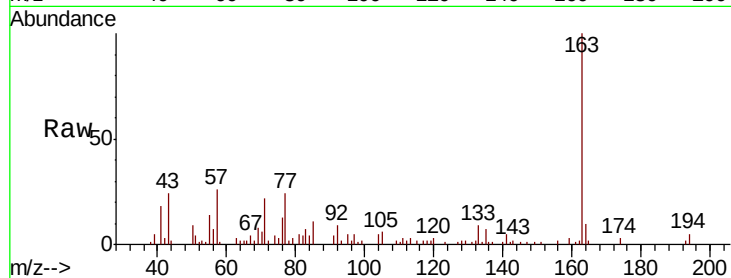
Tgt Ion:163 Resp: 35779

Ion Ratio Lower Upper

163 100

194 5.2 3.3 4.9#

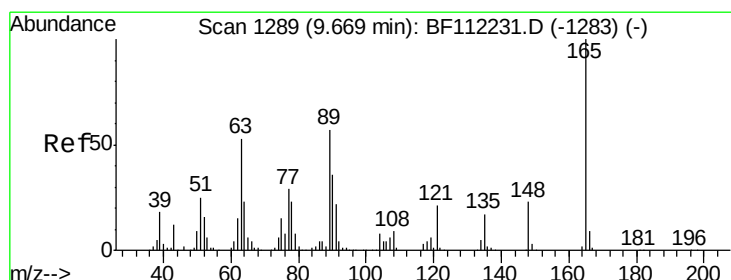
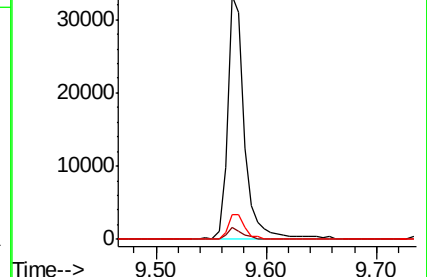
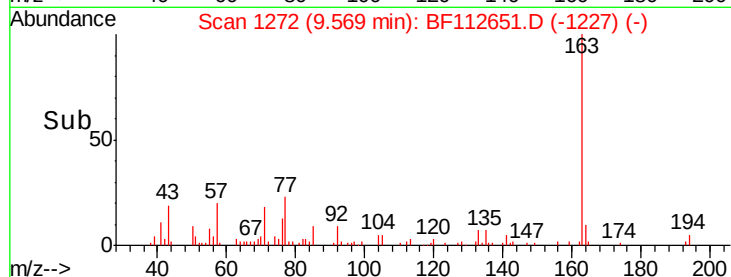
164 10.1 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 7.949 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.19 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

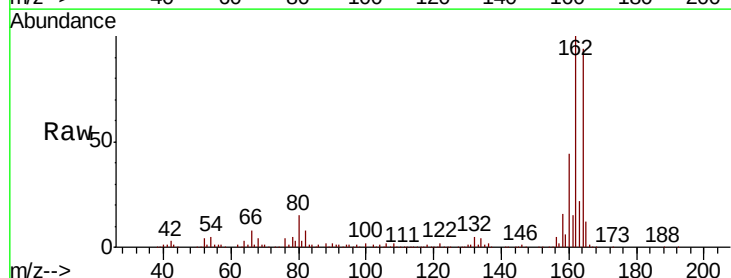
Tgt Ion:165 Resp: 23126

Ion Ratio Lower Upper

165 100

63 1.8 33.8 50.8#

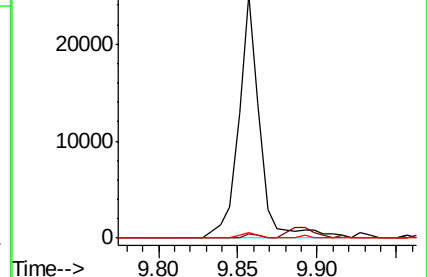
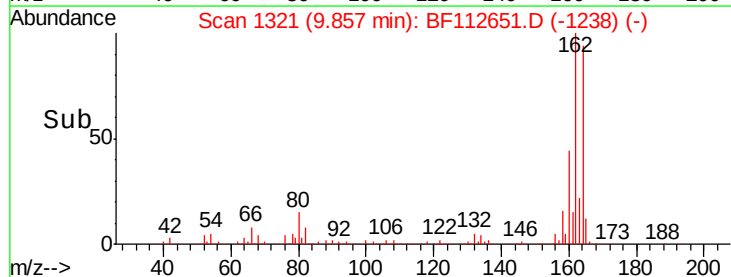
89 2.4 36.9 55.3#

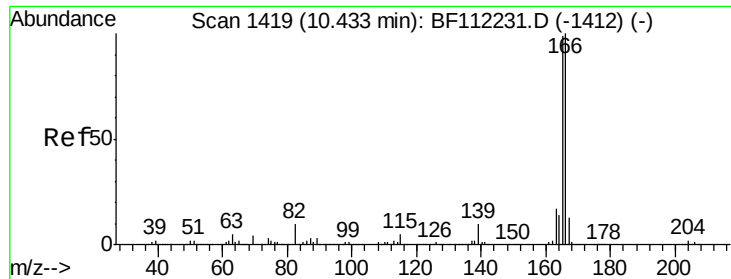


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

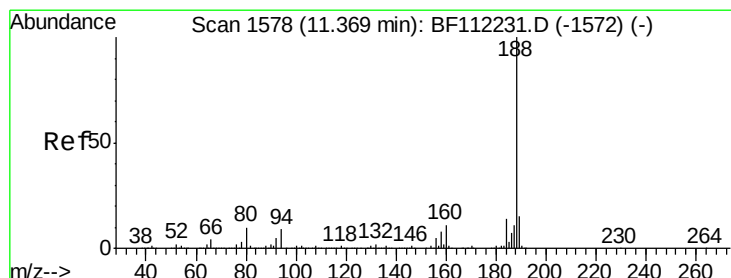
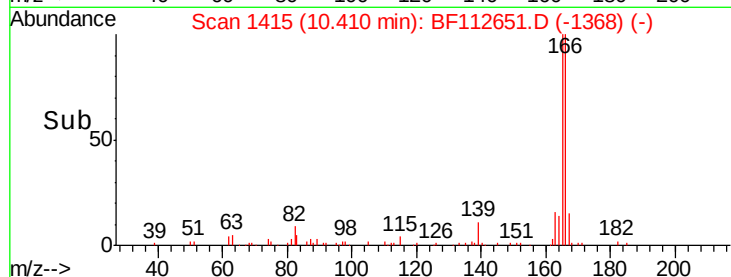
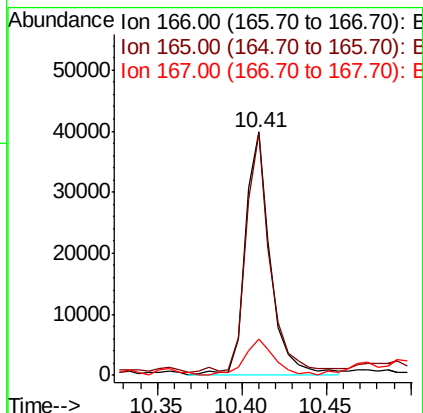
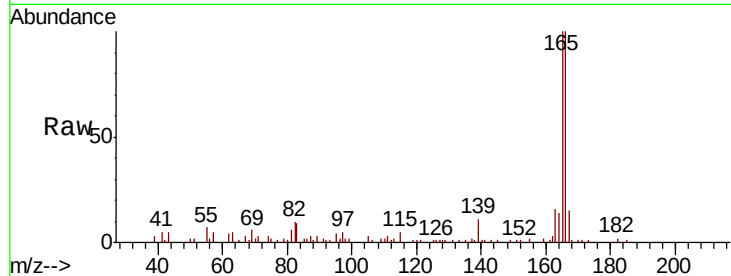




#58
 Fluorene
 Concen: 3.643 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.02 min
 Lab File: BF112651.D
 Acq: 21 Feb 2019 14:35

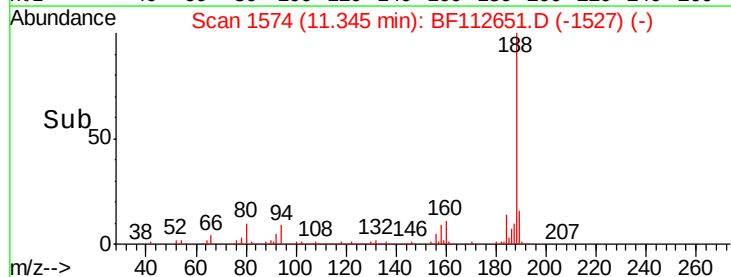
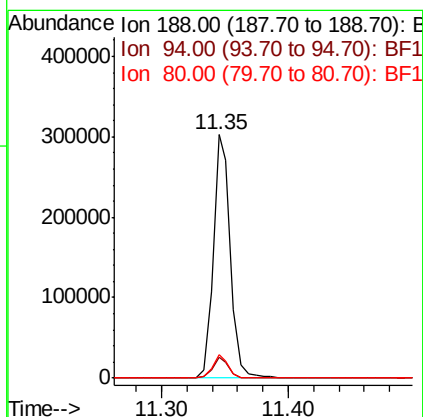
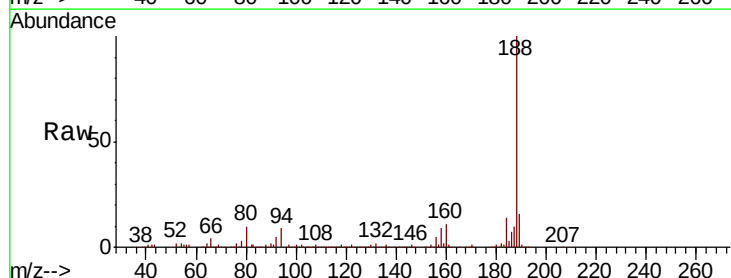
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022019

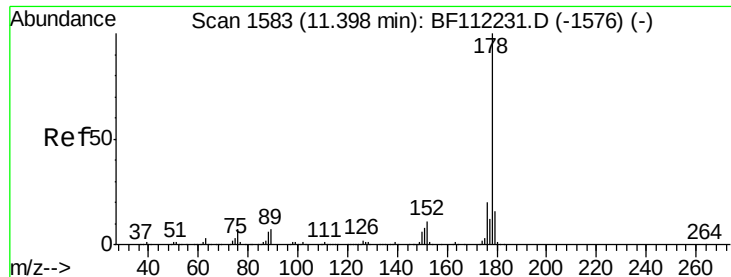
Tgt Ion:166 Resp: 41344
 Ion Ratio Lower Upper
 166 100
 165 99.7 77.1 115.7
 167 15.0 11.3 16.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF112651.D
 Acq: 21 Feb 2019 14:35

Tgt Ion:188 Resp: 286810
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.2
 80 9.8 8.9 13.3

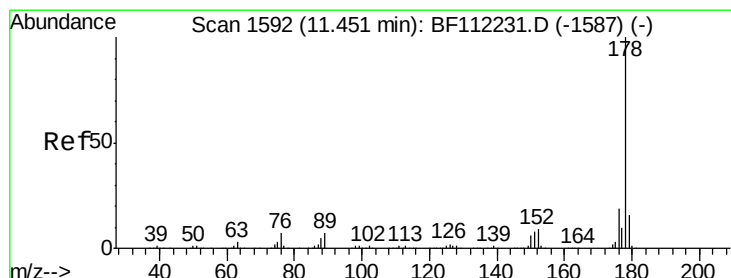
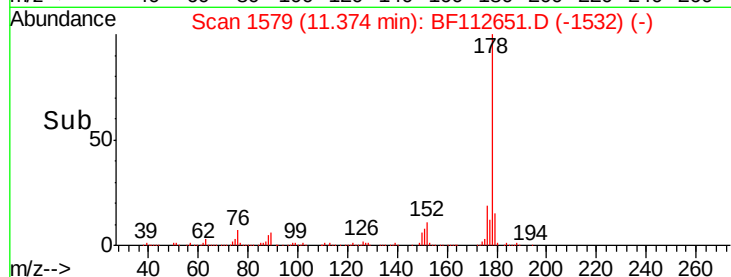
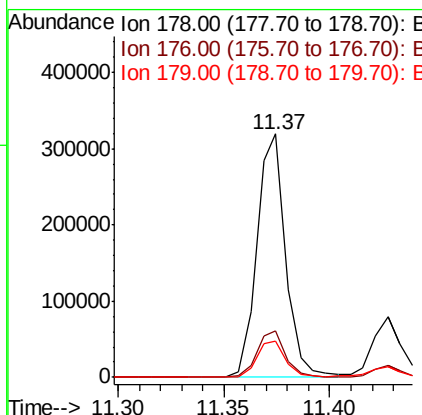
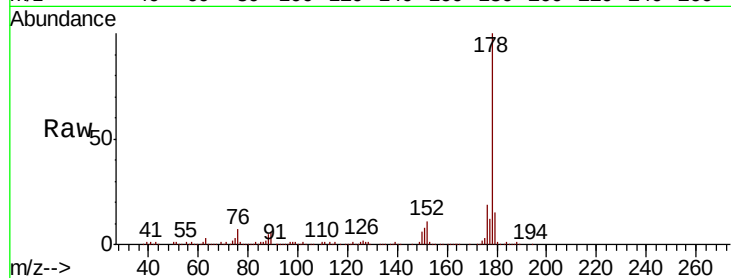




#71
Phenanthrene
Concen: 20.281 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF112651.D
Acq: 21 Feb 2019 14:35

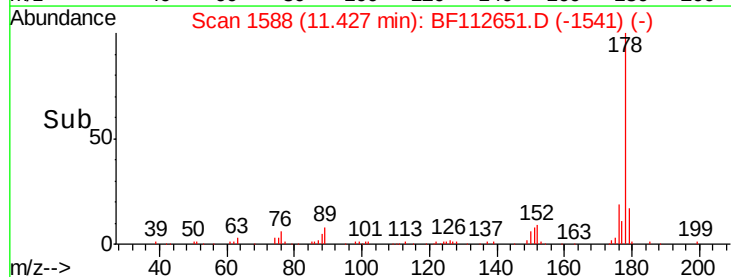
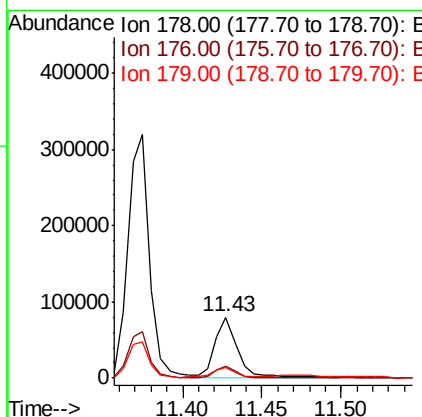
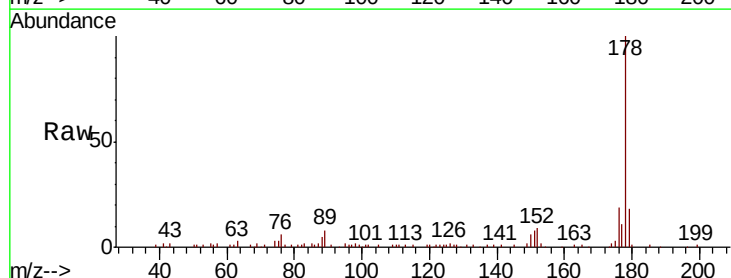
Instrument :
BNA_F
ClientSampleId :
HD-01-022019

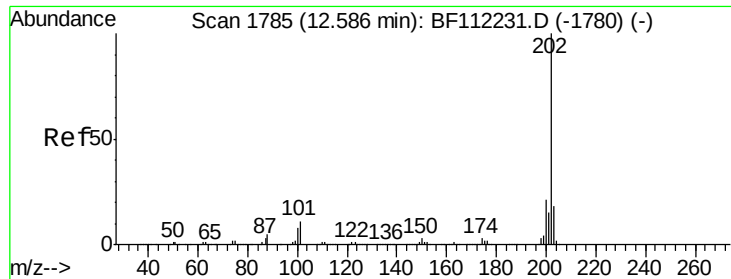
Tgt Ion:178 Resp: 302407
Ion Ratio Lower Upper
178 100
176 19.1 16.3 24.5
179 15.0 13.0 19.4



#72
Anthracene
Concen: 5.361 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF112651.D
Acq: 21 Feb 2019 14:35

Tgt Ion:178 Resp: 79629
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 17.7 12.8 19.2





#75

Fluoranthene

Concen: 25.419 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

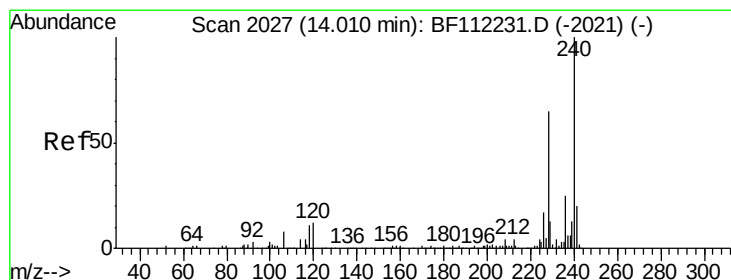
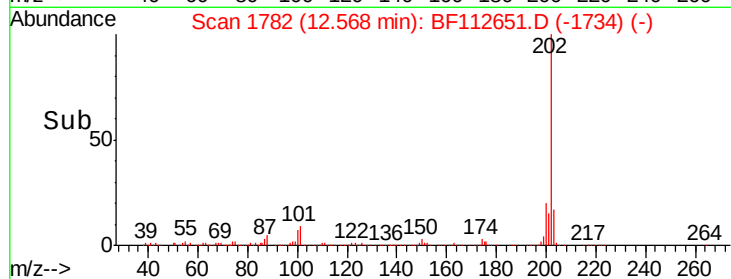
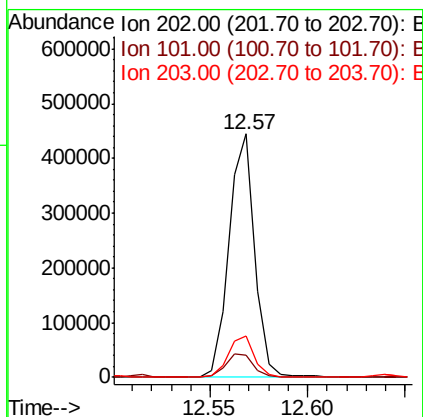
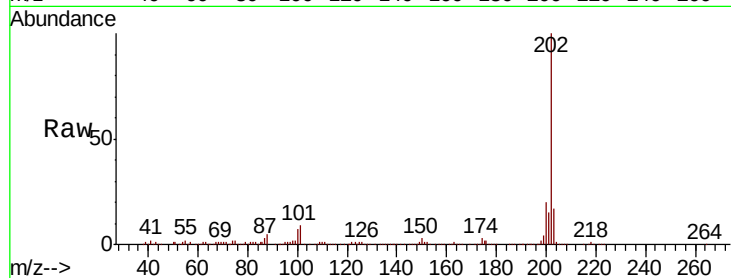
Instrument :

BNA_F

ClientSampleId :

HD-01-022019

Tgt Ion:	202	Resp:	406519
Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	31.8
203	17.2	0.0	38.4



#76

Chrysene-d12

Concen: 20.000 ng

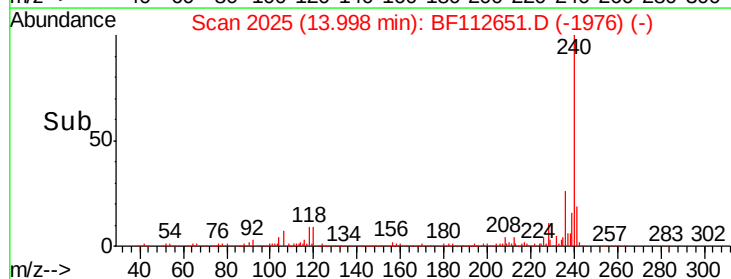
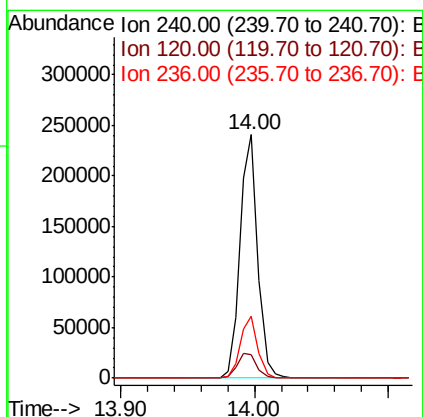
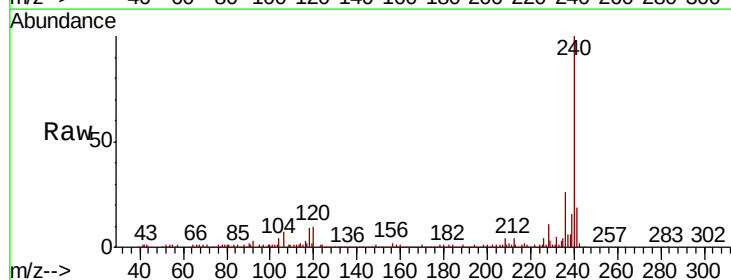
RT: 14.00 min Scan# 2025

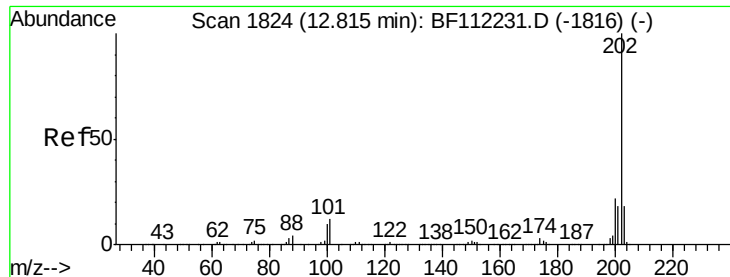
Delta R.T. -0.01 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

Tgt Ion:	240	Resp:	221891
Ion	Ratio	Lower	Upper
240	100		
120	9.7	9.0	13.6
236	25.7	20.7	31.1

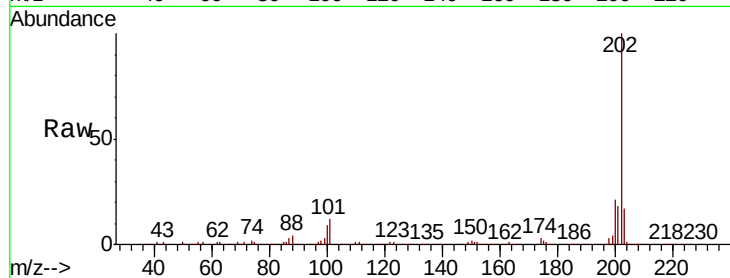




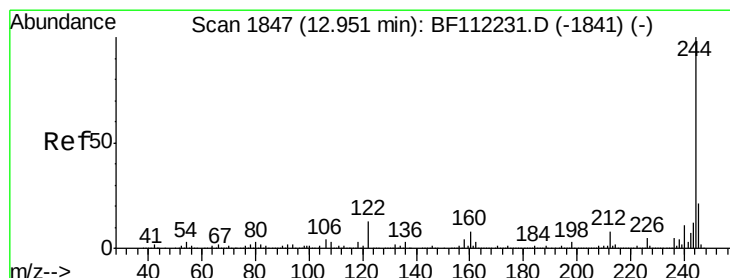
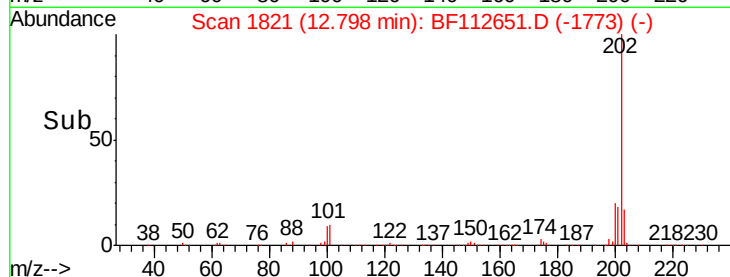
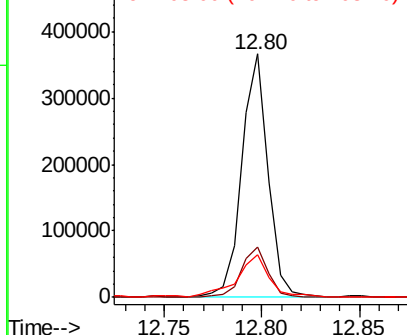
#78
Pyrene
Concen: 22.136 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112651.D
Acq: 21 Feb 2019 14:35

Instrument :
BNA_F
ClientSampleId :
HD-01-022019

Tgt Ion: 202 Resp: 340062
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 17.3 14.6 22.0

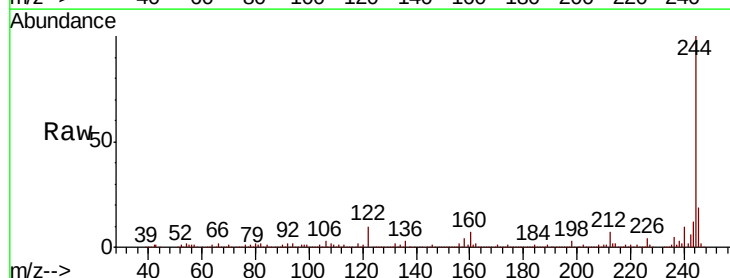


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

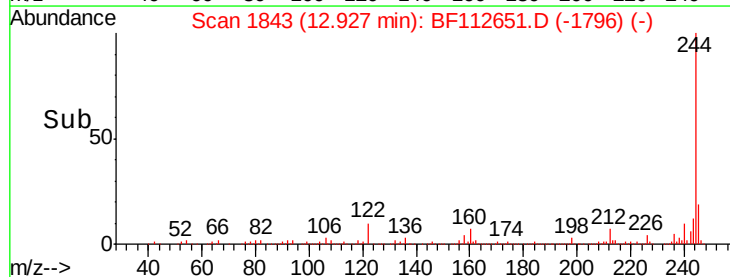
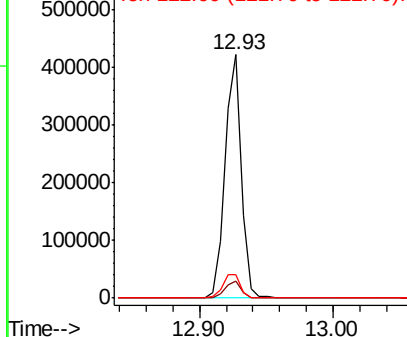


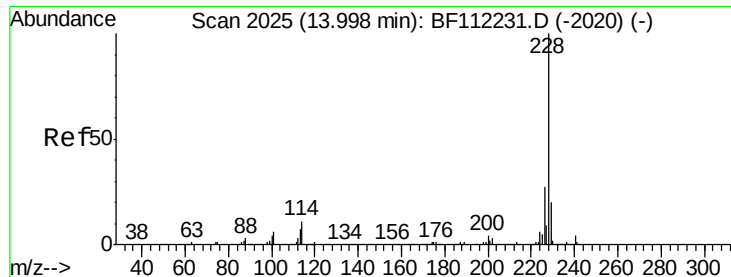
#79
Terphenyl-d14
Concen: 30.810 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.02 min
Lab File: BF112651.D
Acq: 21 Feb 2019 14:35

Tgt Ion: 244 Resp: 362982
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 9.8 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

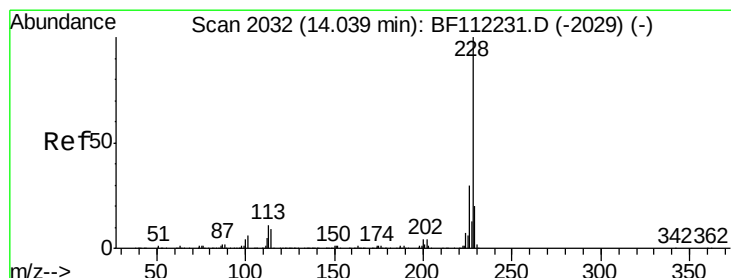
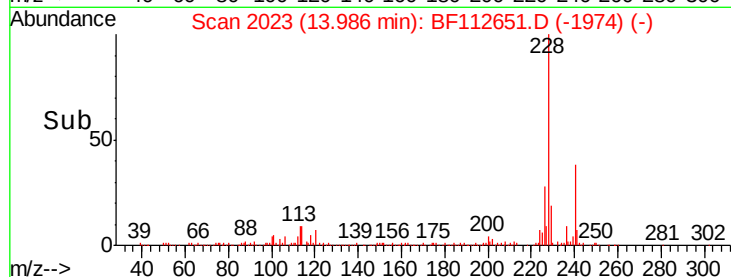
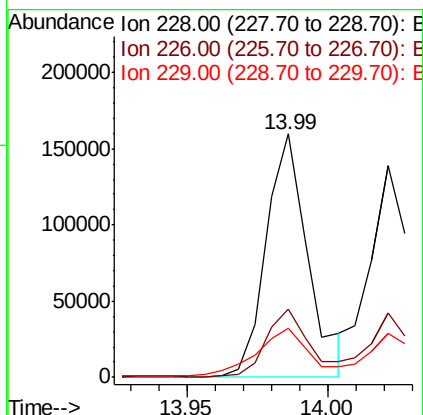
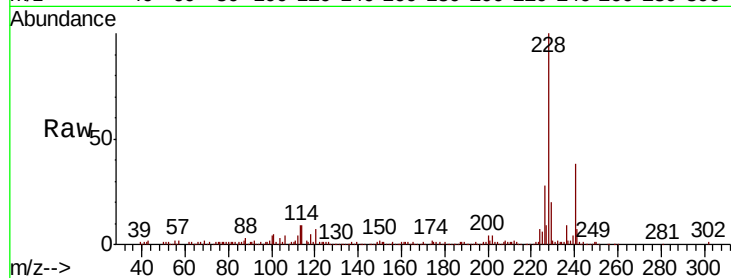




#81
Benzo(a)anthracene
Concen: 12.510 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF112651.D
Acq: 21 Feb 2019 14:35

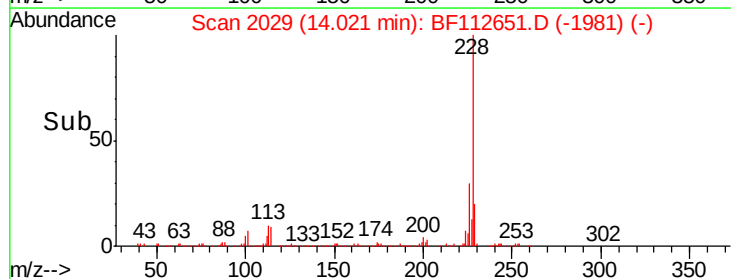
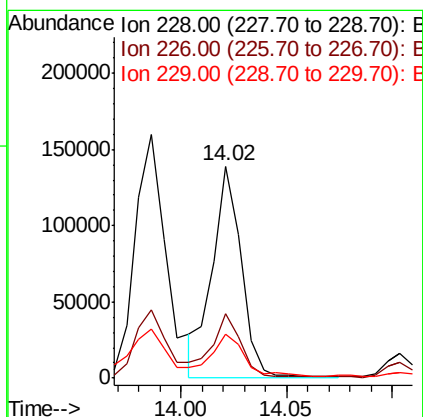
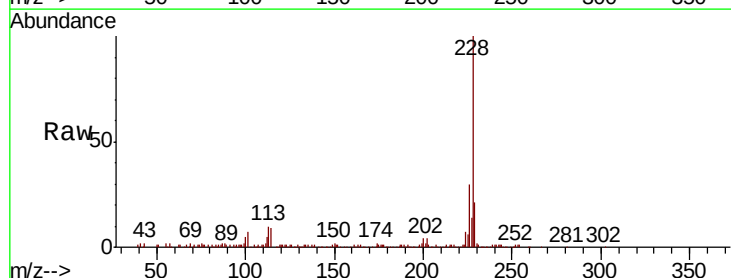
Instrument :
BNA_F
ClientSampleId :
HD-01-022019

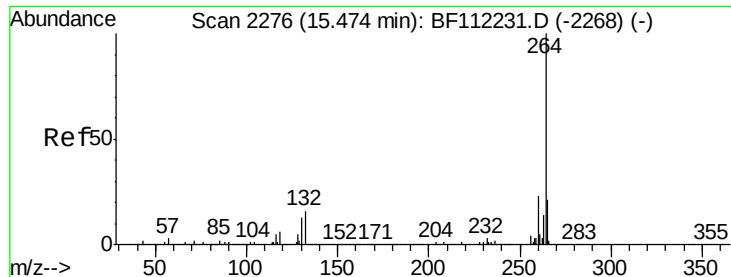
Tgt Ion:228 Resp: 163175
Ion Ratio Lower Upper
228 100
226 27.9 22.6 34.0
229 20.0 16.5 24.7



#83
Chrysene
Concen: 10.627 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF112651.D
Acq: 21 Feb 2019 14:35

Tgt Ion:228 Resp: 132323
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 21.0 16.6 24.8





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

Instrument :

BNA_F

ClientSampleId :

HD-01-022019

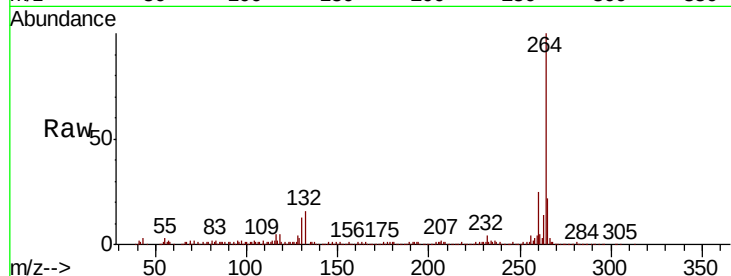
Tgt Ion:264 Resp: 224328

Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.2

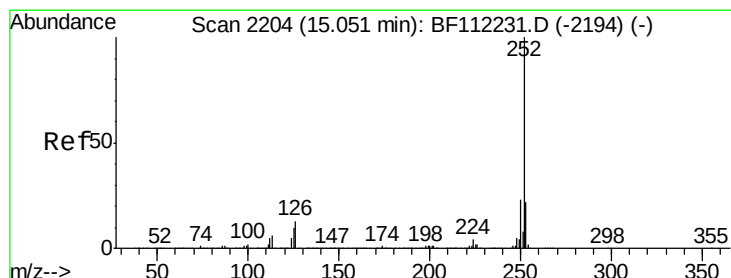
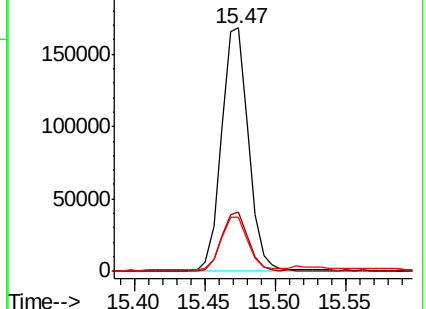
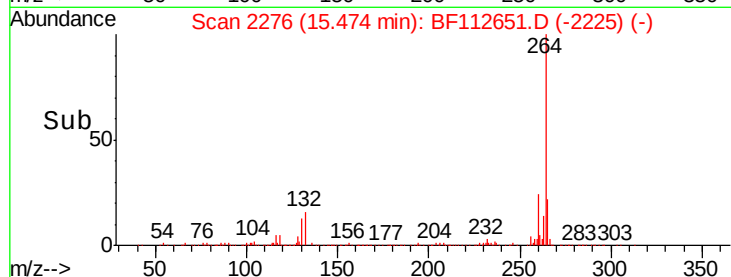
265 22.0 17.0 25.4



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: 17.971 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF112651.D

Acq: 21 Feb 2019 14:35

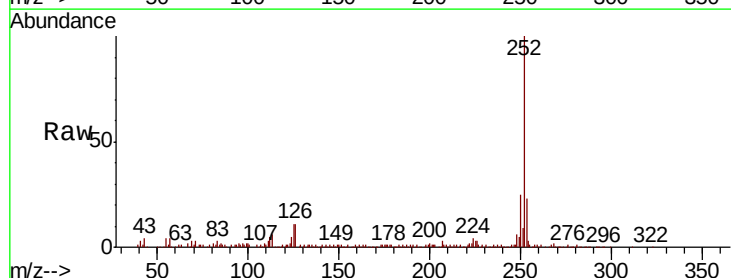
Tgt Ion:252 Resp: 241098

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

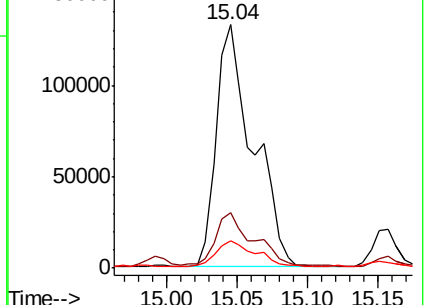
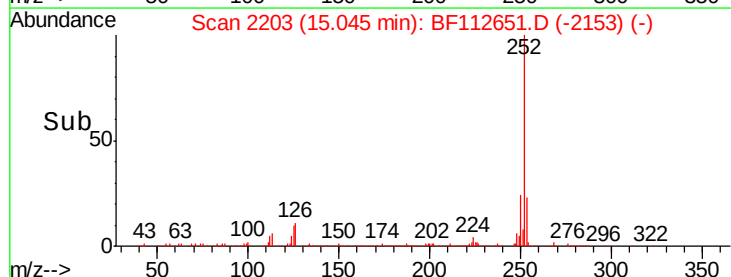
125 11.0 8.7 13.1

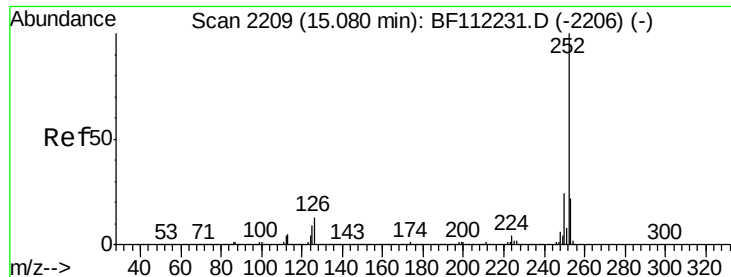


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

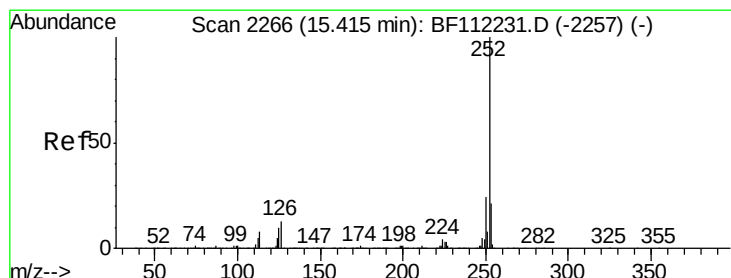
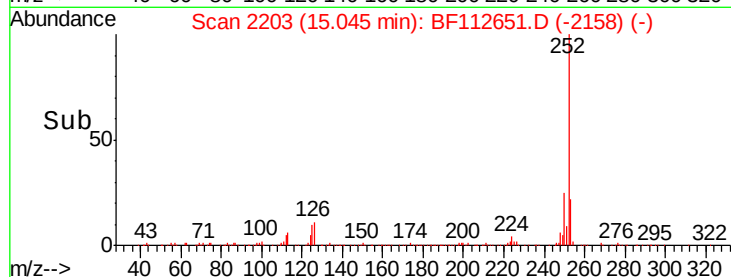
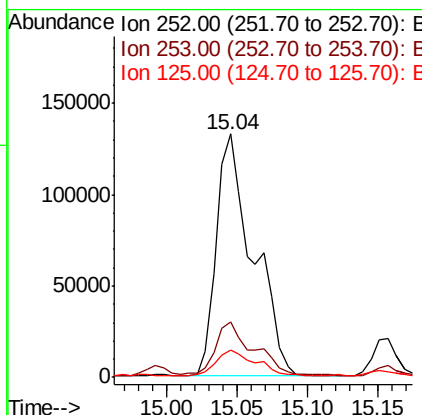
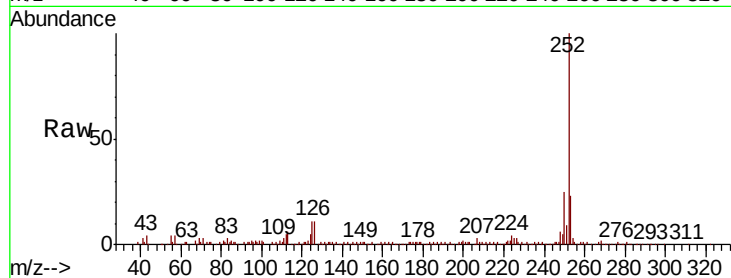




#89
Benzo(k)fluoranthene
Concen: 18.762 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112651.D
Acq: 21 Feb 2019 14:35

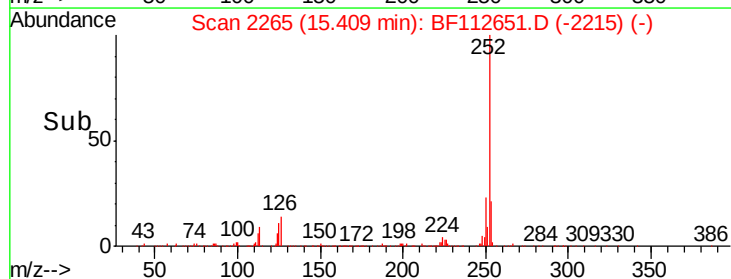
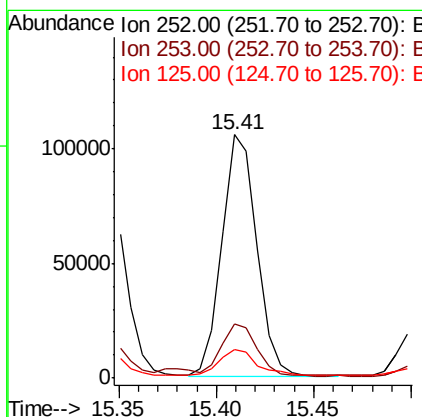
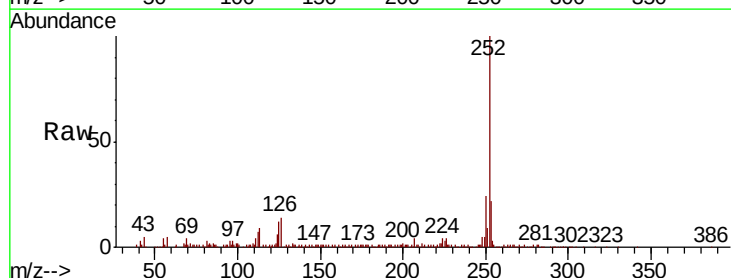
Instrument :
BNA_F
ClientSampleId :
HD-01-022019

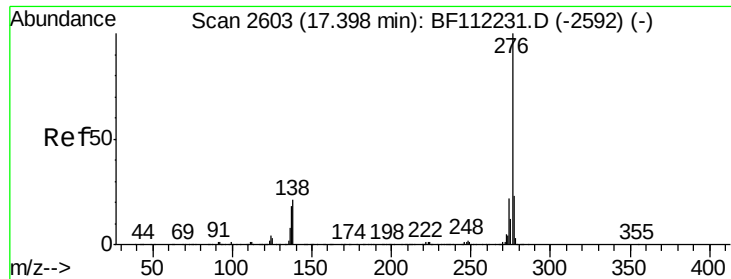
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.0	9.1	13.7



#90
Benzo(a)pyrene
Concen: 10.892 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112651.D
Acq: 21 Feb 2019 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	12.0	9.0	13.4

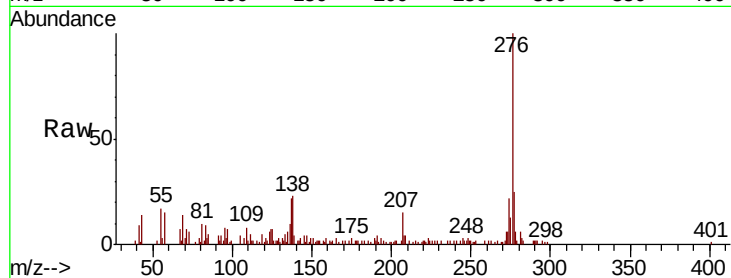




#92
 Benzo(g,h,i)perylene
 Concen: 6.096 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.02 min
 Lab File: BF112651.D
 Acq: 21 Feb 2019 14:35

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022019

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.0
138	22.8	19.1	28.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

