

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
 Data File : BF112489.D
 Acq On : 11 Feb 2019 19:04
 Operator : JU/SJ
 Sample : K1453-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-9-D

Quant Time: Feb 12 01:21:01 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

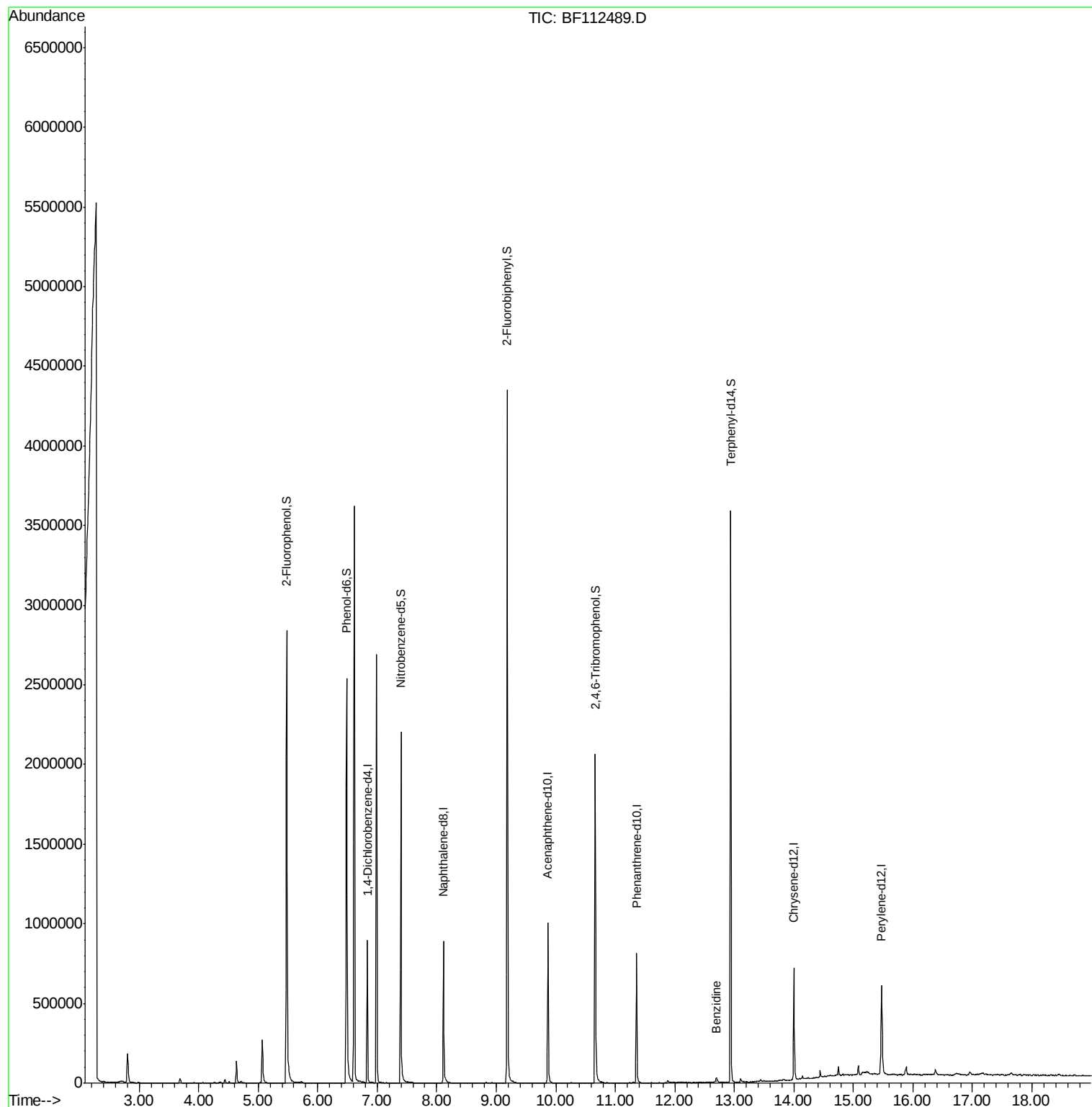
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	132269	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	495488	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	208017	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	319948	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	275510	20.00	ng	0.00
87) Perylene-d12	15.47	264	291488	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	844866	135.67	ng	0.00
7) Phenol-d6	6.49	99	930168	107.50	ng	0.00
23) Nitrobenzene-d5	7.40	82	739919	86.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	288908	119.32	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1414931	96.20	ng	-0.02
79) Terphenyl-d14	12.94	244	1132140	77.40	ng	-0.01
Target Compounds						
77) Benzidine	12.70	184	22489	2.966	ng	Qvalue # 96

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

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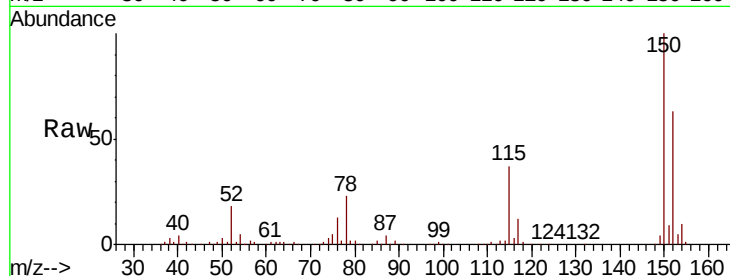


#1

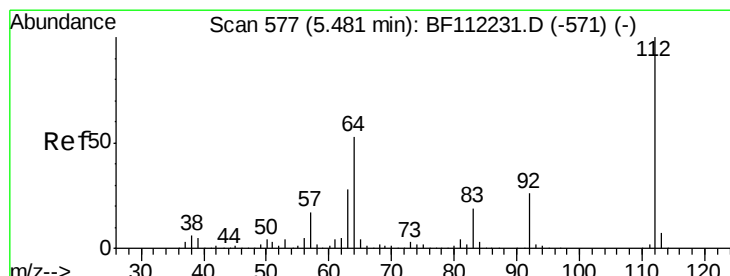
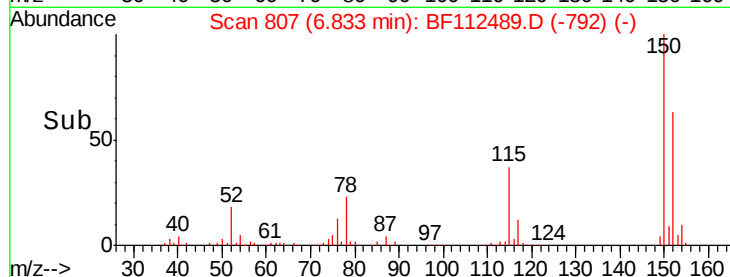
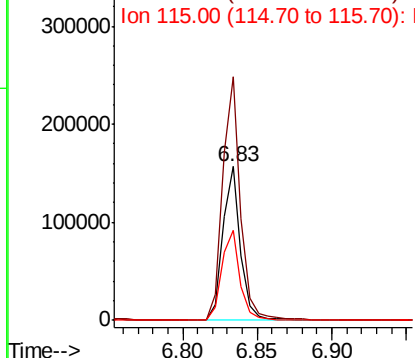
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112489.D
Acq: 11 Feb 2019 19:04

Instrument :
BNA_F
ClientSampleId :
M-9-D

Tot Ion:152 Resp: 132269
Ion Ratio Lower Upper
152 100
150 158.6 127.4 191.0
115 58.5 45.5 68.3



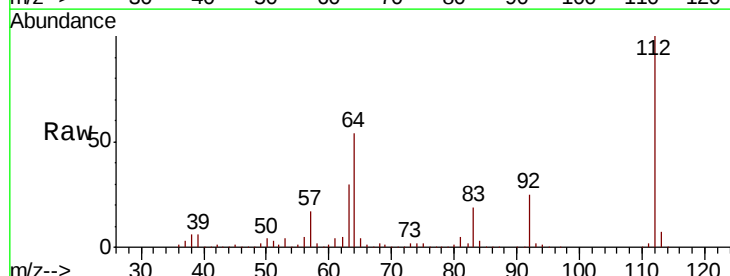
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



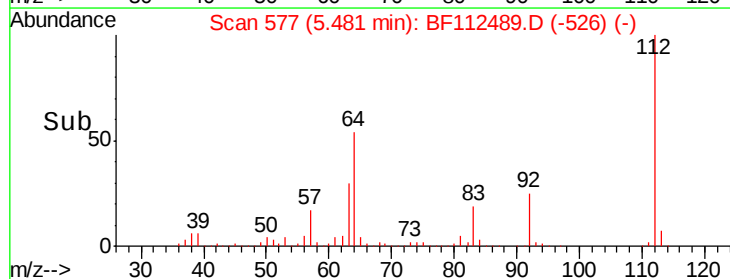
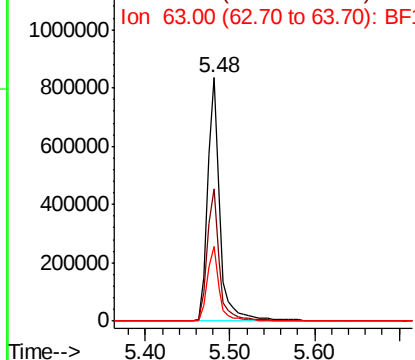
#5

2-Fluorophenol
Concen: 135.674 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF112489.D
Acq: 11 Feb 2019 19:04

Tgt Ion:112 Resp: 844866
Ion Ratio Lower Upper
112 100
64 54.4 45.7 68.5
63 30.4 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: 107.497 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112489.D

Acq: 11 Feb 2019 19:04

Instrument :

BNA_F

ClientSampleId :

M-9-D

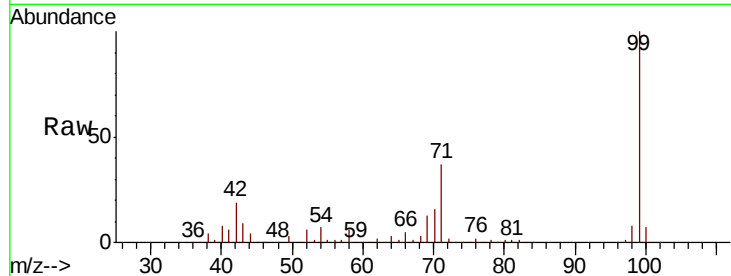
Tot Ion: 99 Resp: 930168

Ion Ratio Lower Upper

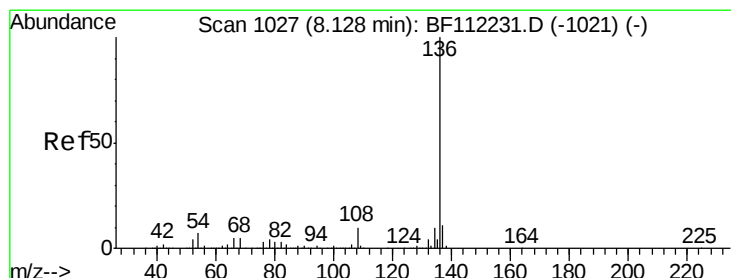
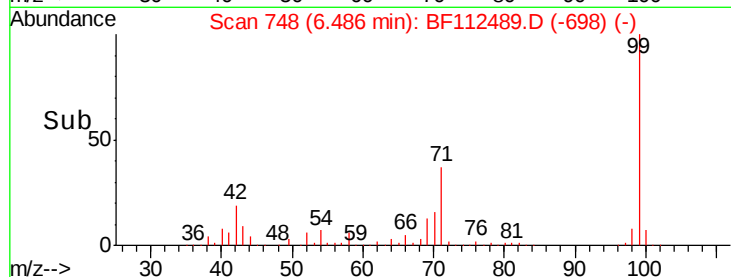
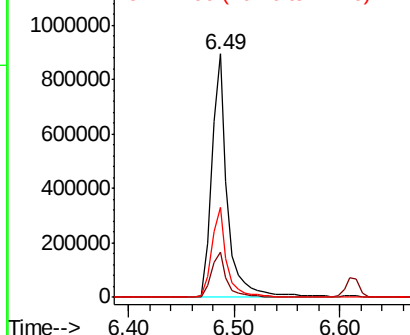
99 100

42 18.7 15.1 22.7

71 37.0 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: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF112489.D

Acq: 11 Feb 2019 19:04

Tgt Ion: 136 Resp: 495488

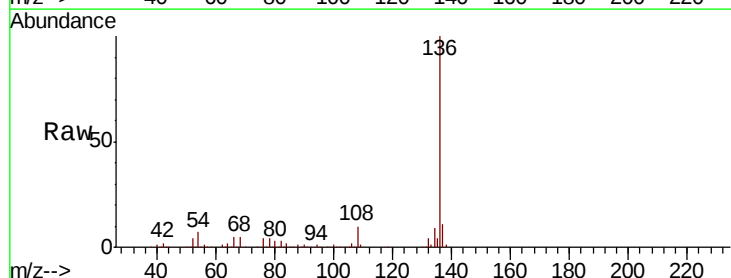
Ion Ratio Lower Upper

136 100

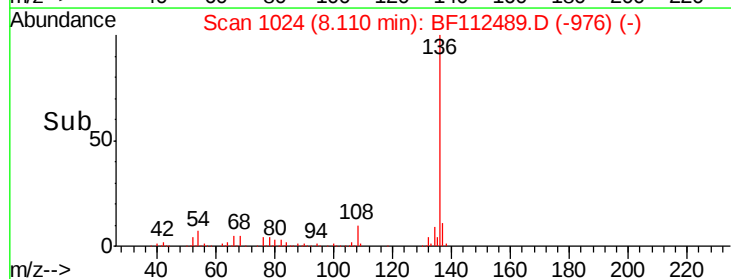
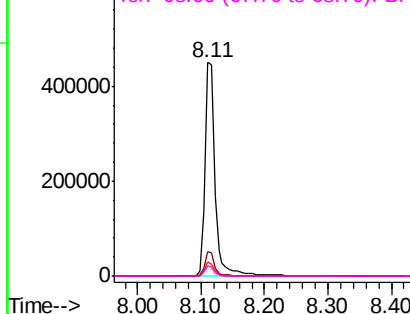
137 11.2 9.1 13.7

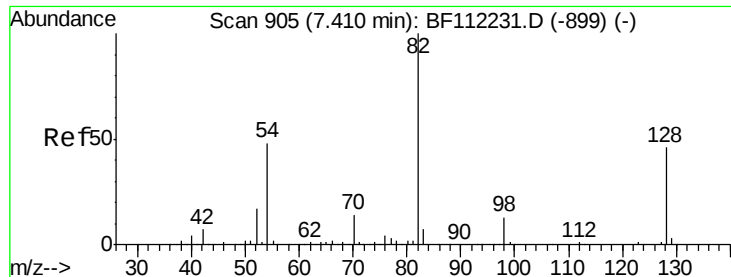
54 6.6 5.9 8.9

68 4.9 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

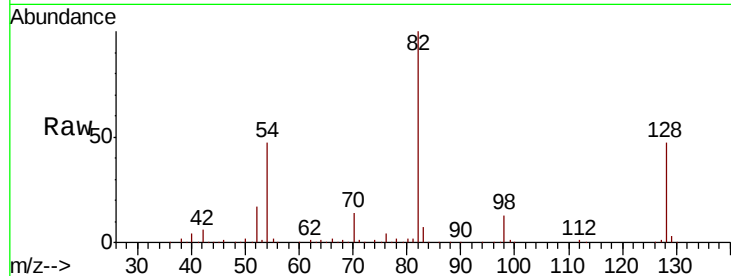




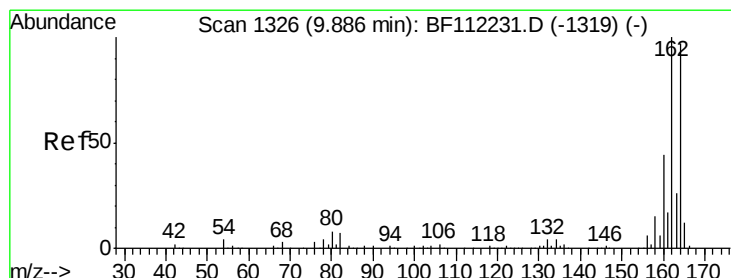
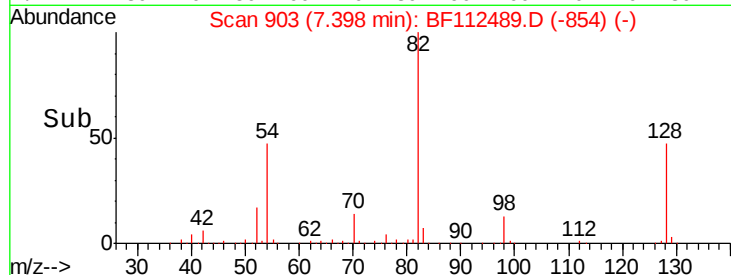
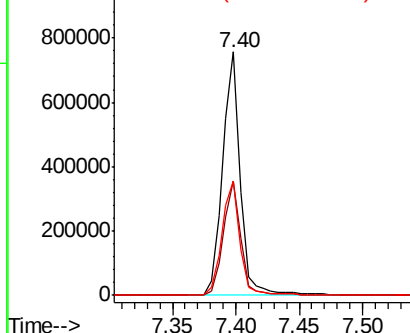
#23
 Nitrobenzene-d5
 Concen: 86.044 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112489.D
 Acq: 11 Feb 2019 19:04

Instrument :
 BNA_F
 ClientSampleId :
 M-9-D

Tot Ion: 82 Resp: 739919
 Ion Ratio Lower Upper
 82 100
 128 46.7 37.8 56.8
 54 47.1 39.7 59.5

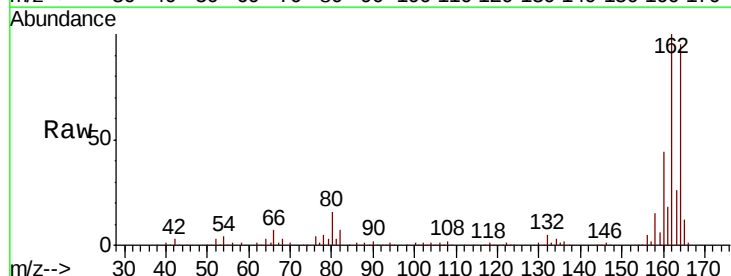


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

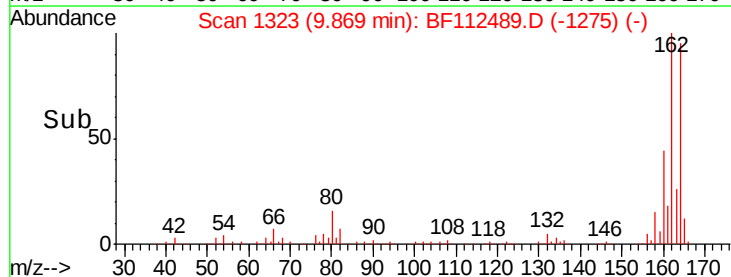
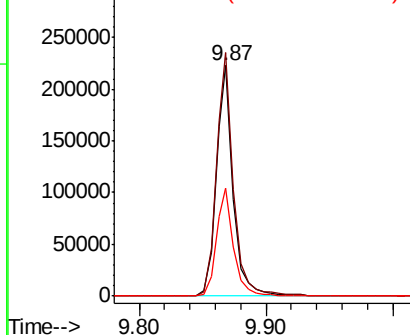


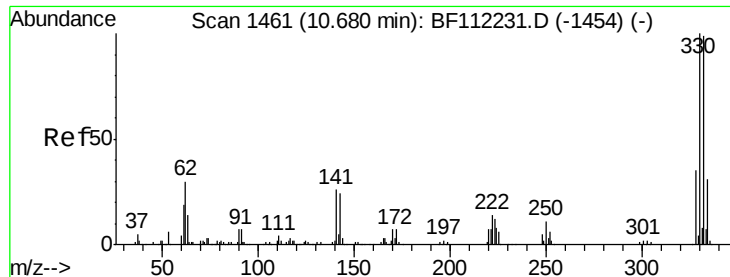
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112489.D
 Acq: 11 Feb 2019 19:04

Tgt Ion: 164 Resp: 208017
 Ion Ratio Lower Upper
 164 100
 162 105.6 82.2 123.4
 160 47.0 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: 119.321 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112489.D

Acq: 11 Feb 2019 19:04

Instrument :

BNA_F

ClientSampleId :

M-9-D

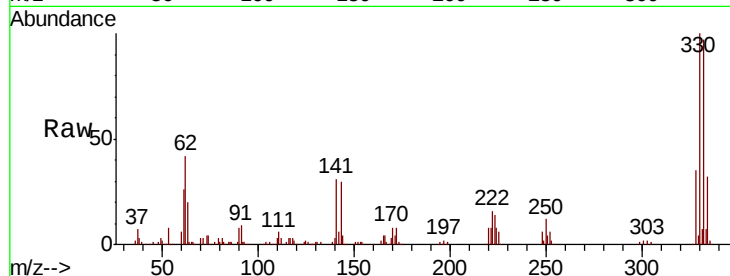
Tot Ion:330 Resp: 288908

Ion Ratio Lower Upper

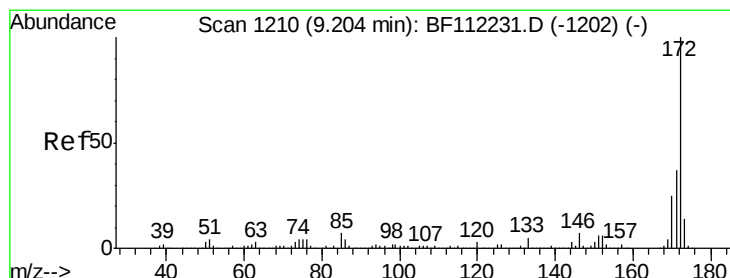
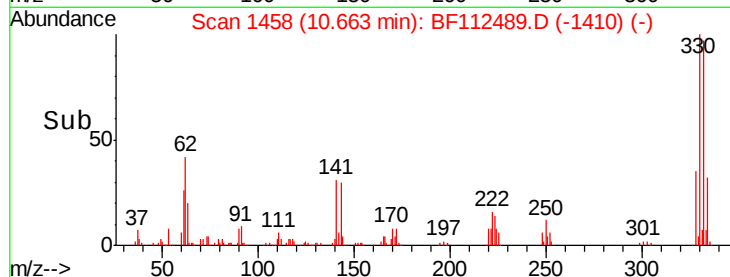
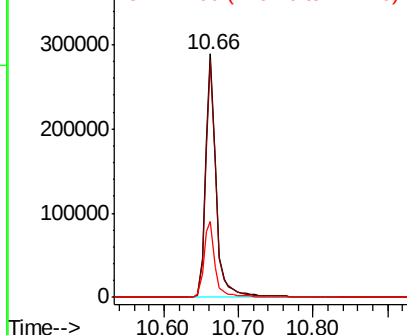
330 100

332 96.8 76.6 114.8

141 32.9 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: 96.203 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112489.D

Acq: 11 Feb 2019 19:04

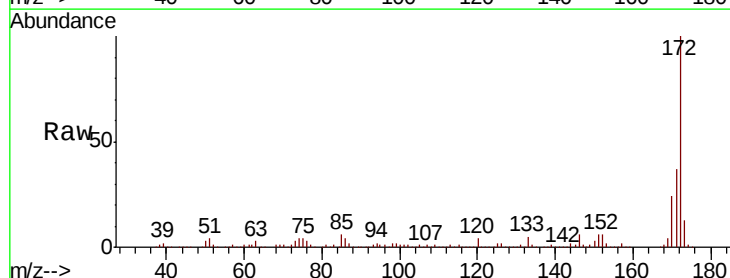
Tgt Ion:172 Resp: 1414931

Ion Ratio Lower Upper

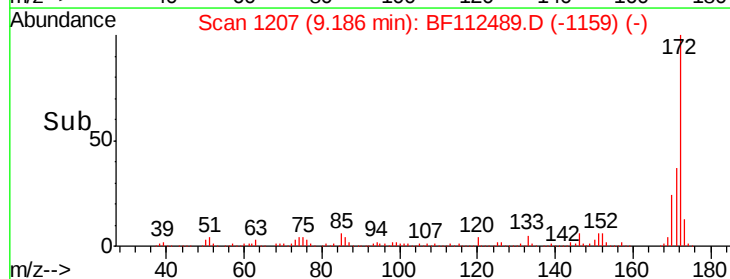
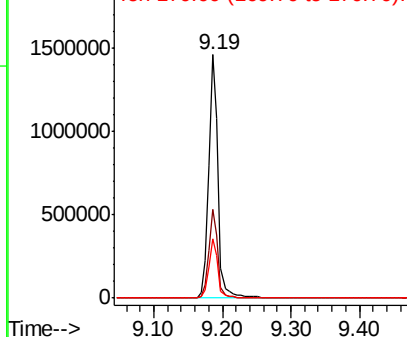
172 100

171 36.7 30.5 45.7

170 24.1 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

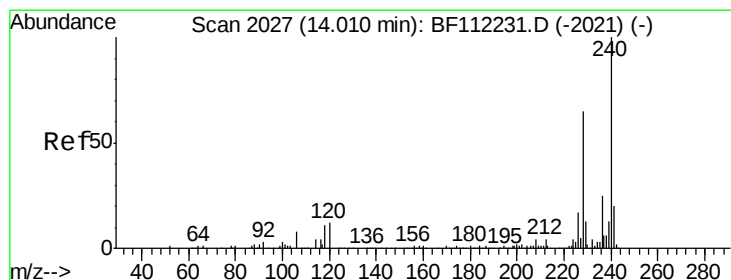
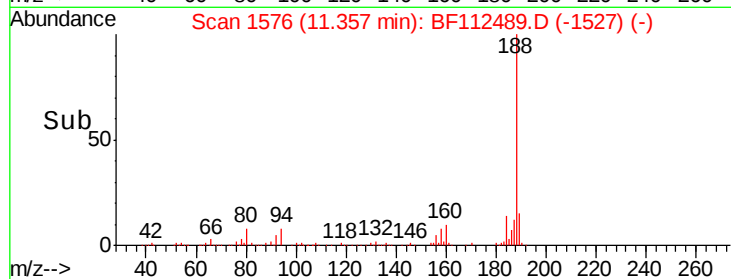
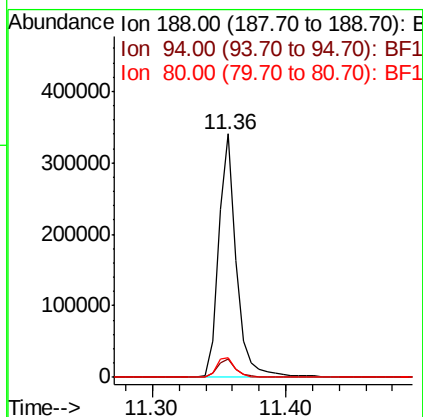
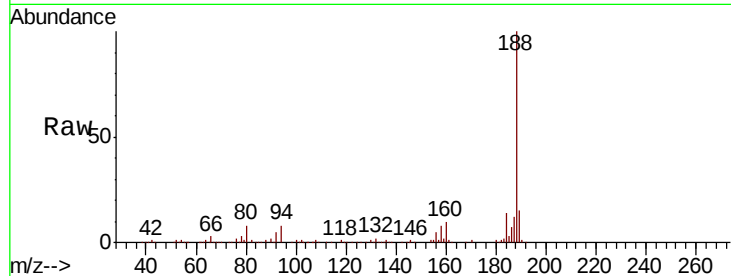




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112489.D
Acq: 11 Feb 2019 19:04

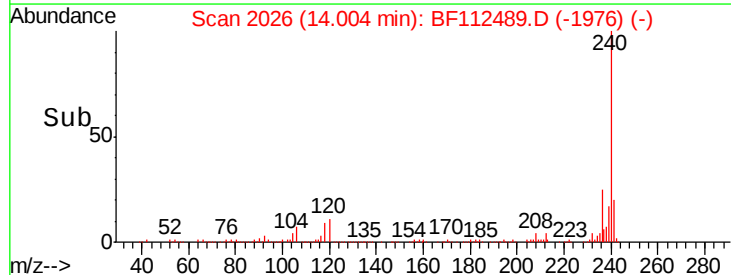
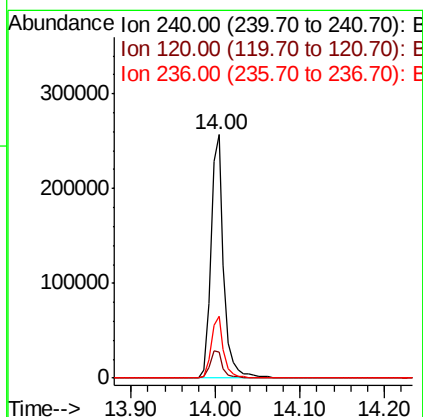
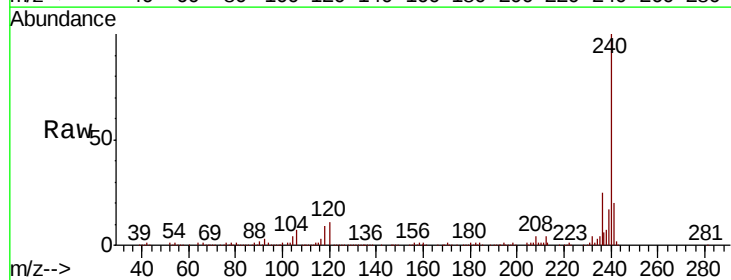
Instrument :
BNA_F
ClientSampled :
M-9-D

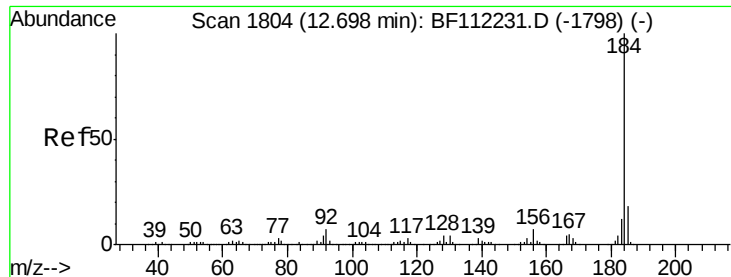
Tot Ion:188 Resp: 319948
Ion Ratio Lower Upper
188 100
94 7.7 8.2 12.2#
80 8.0 8.9 13.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112489.D
Acq: 11 Feb 2019 19:04

Tgt Ion:240 Resp: 275510
Ion Ratio Lower Upper
240 100
120 10.6 9.0 13.6
236 25.5 20.7 31.1





#77

Benzidine

Concen: 2.966 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF112489.D

Acq: 11 Feb 2019 19:04

Instrument :

BNA_F

ClientSampleId :

M-9-D

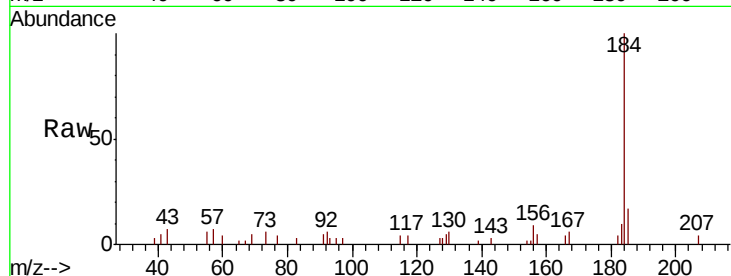
Tot Ion:184 Resp: 22489

Ion Ratio Lower Upper

184 100

185 16.6 13.9 20.9

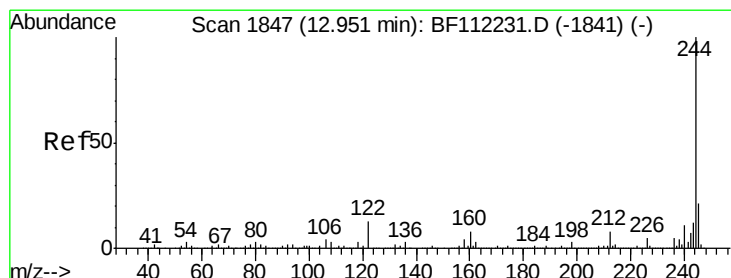
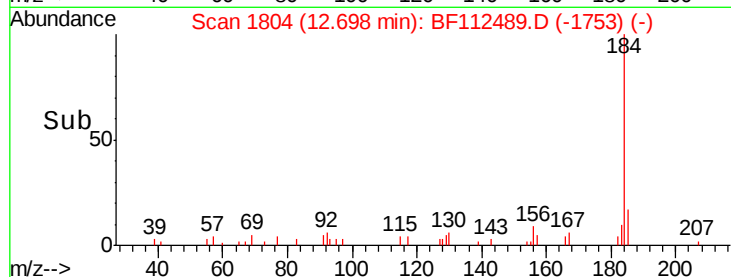
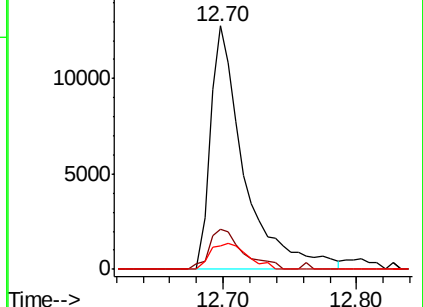
183 9.9 10.0 15.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 77.396 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112489.D

Acq: 11 Feb 2019 19:04

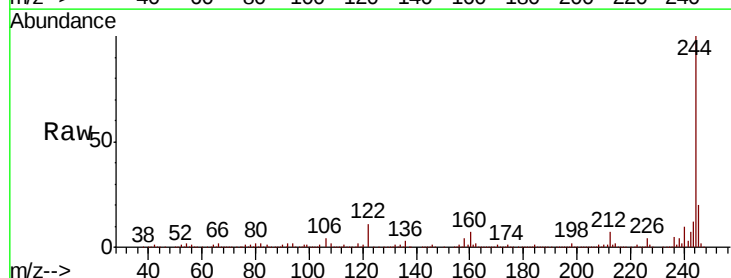
Tgt Ion:244 Resp: 1132140

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

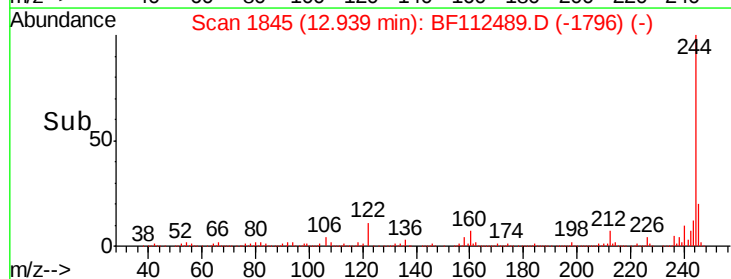
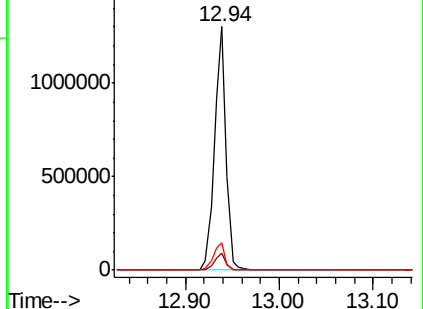
122 11.0 9.8 14.6

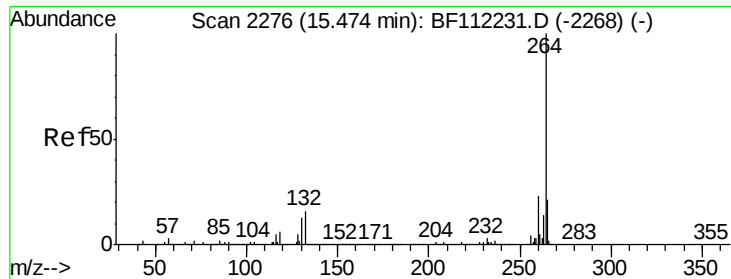


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.00 min
 Lab File: BF112489.D
 Acq: 11 Feb 2019 19:04

Instrument :
 BNA_F
 ClientSampleId :
 M-9-D

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.2
265	21.0	17.0	25.4

