

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041018\
 Data File : BF104407.D
 Acq On : 10 Apr 2018 14:34
 Operator : JU/SJ
 Sample : J2278-01 100X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-2-3-6-8-9-11-13

Quant Time: Apr 10 15:11:58 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

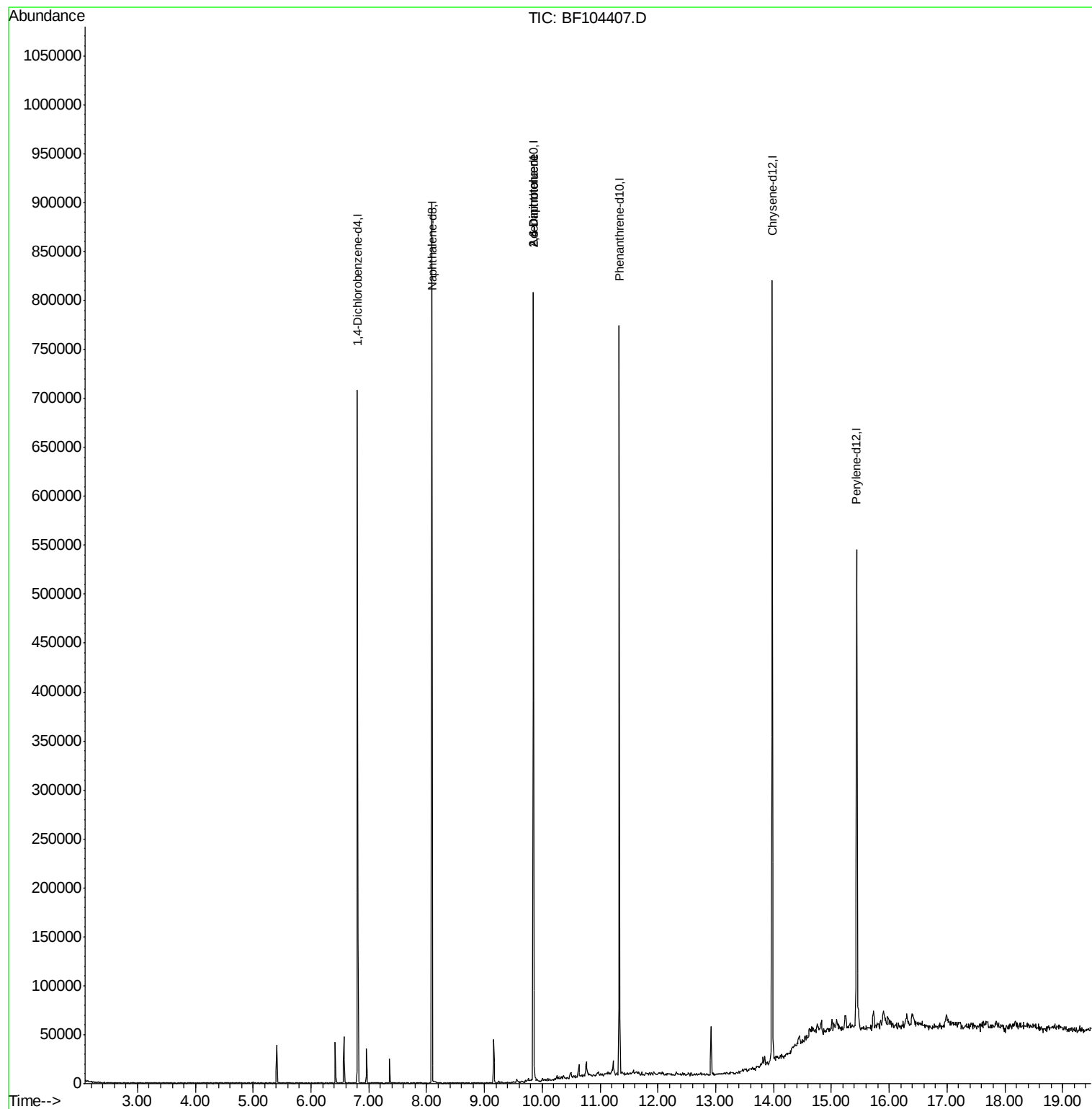
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	107238	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	384500	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	141931	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	240257	20.00	ng	0.00
75) Chrysene-d12	13.97	240	272098	20.00	ng	-0.01
86) Perylene-d12	15.44	264	213179	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	11426	1.63	ng	0.00
7) Phenol-d6	6.42	99	13047	1.51	ng	-0.02
23) Nitrobenzene-d5	7.36	82	6995	1.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	2070	1.41	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	13345	1.49	ng	0.00
78) Terphenyl-d14	12.92	244	16209	1.36	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.57	77	136	Below Cal	#	52
50) 2,6-Dinitrotoluene	9.85	165	18155	8.766 ng	#	25
56) 2,4-Dinitrotoluene	9.85	165	18155	6.683 ng	#	23
76) Benzidine	12.67	184	391	Below Cal	#	66

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

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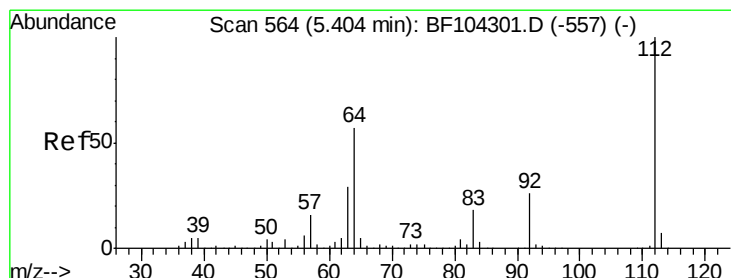
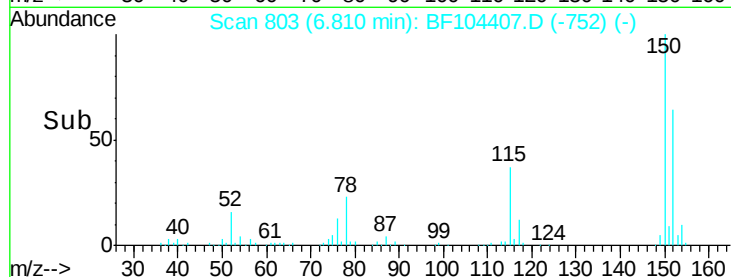
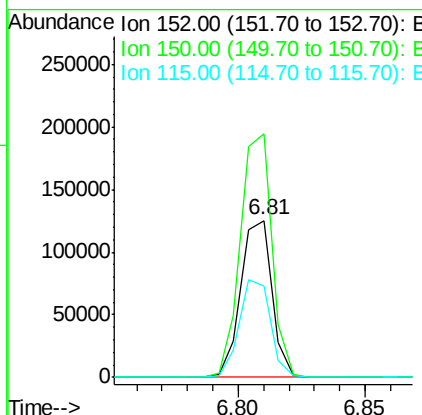
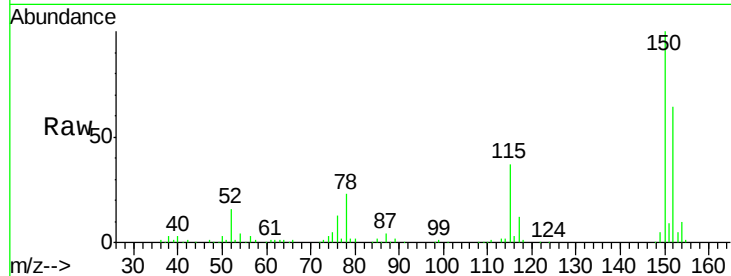




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF104407.D
 Acq: 10 Apr 2018 14:34

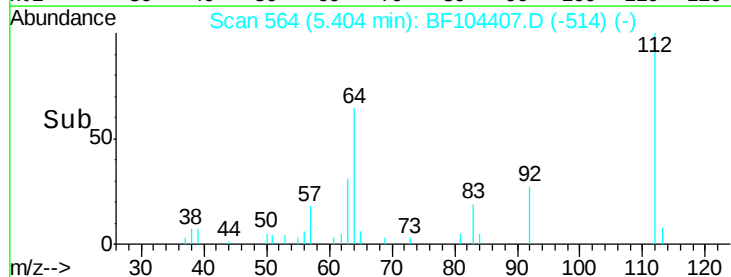
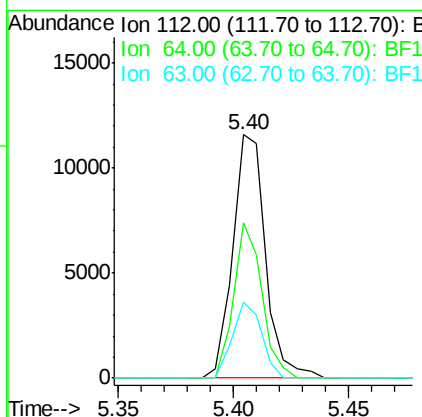
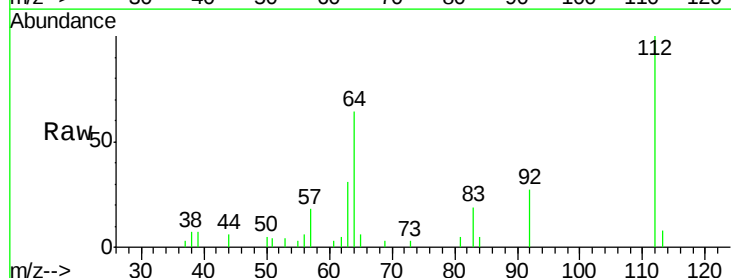
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-2-3-6-8-9-11-13

Tgt Ion:152 Resp: 107238
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.6 186.8
 115 58.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 1.629 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF104407.D
 Acq: 10 Apr 2018 14:34

Tgt Ion:112 Resp: 11426
 Ion Ratio Lower Upper
 112 100
 64 63.5 47.9 71.9
 63 31.0 23.7 35.5





#7

Phenol-d6

Concen: 1.514 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF104407.D

Acq: 10 Apr 2018 14:34

Instrument :

BNA_F

ClientSampleId :

DRUM-2-3-6-8-9-11-13

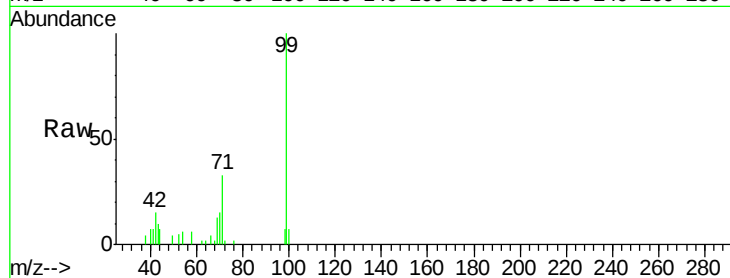
Tgt Ion: 99 Resp: 13047

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

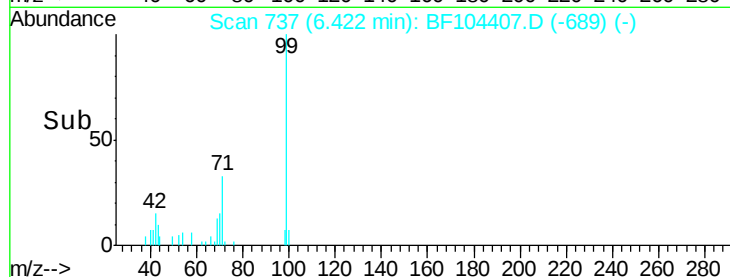
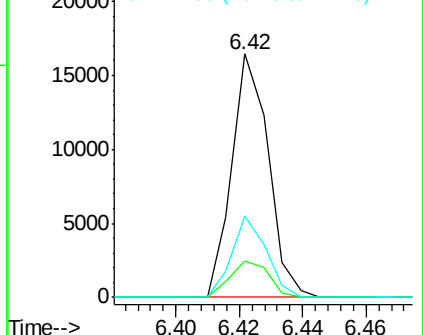
71 33.2 25.4 38.0



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: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104407.D

Acq: 10 Apr 2018 14:34

Tgt Ion: 136 Resp: 384500

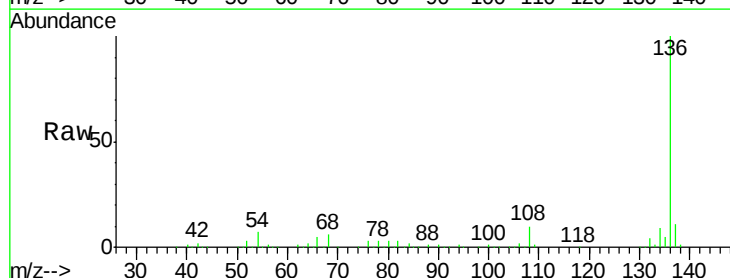
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.7 6.6 9.8

68 5.9 5.0 7.4

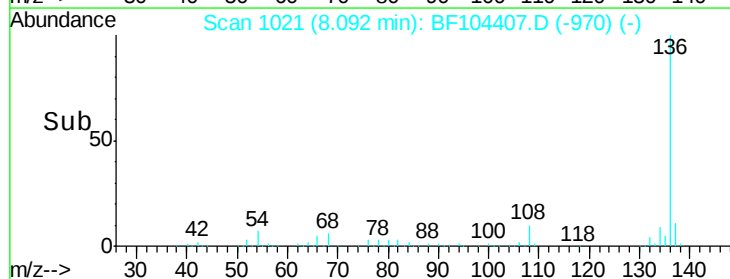
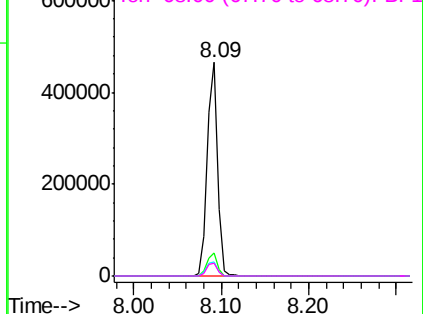


Abundance Ion 136.00 (135.70 to 136.70): E

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

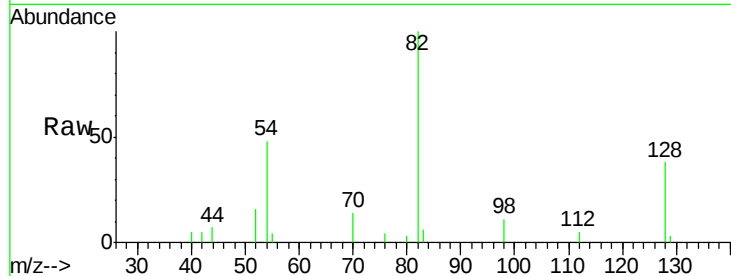




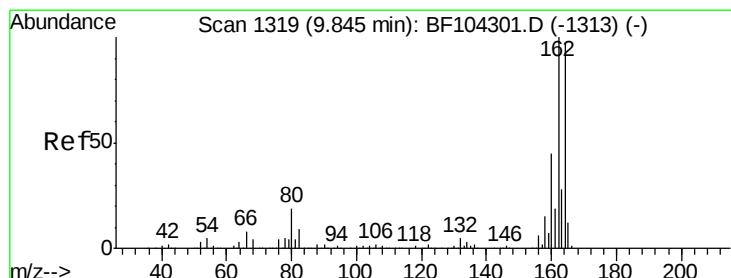
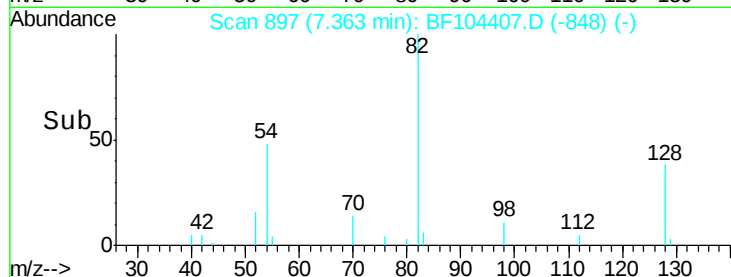
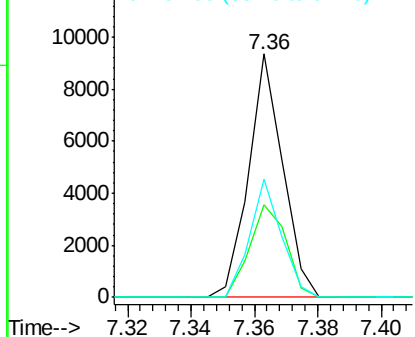
#23
 Nitrobenzene-d5
 Concen: 1.188 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104407.D
 Acq: 10 Apr 2018 14:34

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-2-3-6-8-9-11-13

Tgt Ion: 82 Resp: 6995
 Ion Ratio Lower Upper
 82 100
 128 37.9 36.1 54.1
 54 48.3 41.4 62.2

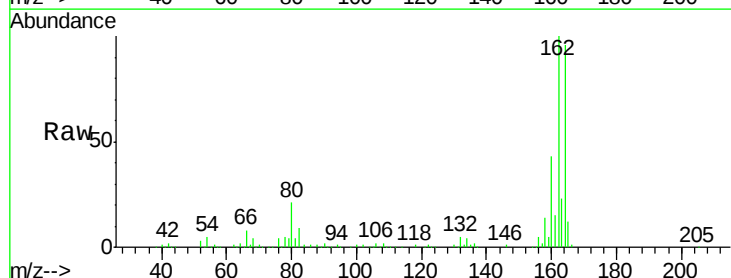


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

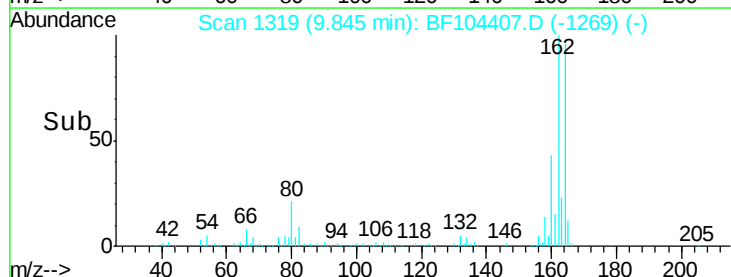
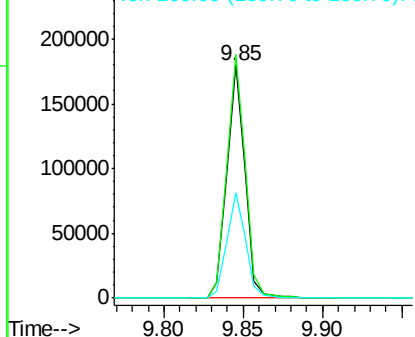


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104407.D
 Acq: 10 Apr 2018 14:34

Tgt Ion: 164 Resp: 141931
 Ion Ratio Lower Upper
 164 100
 162 104.4 86.1 129.1
 160 45.1 38.3 57.5



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





#41

2,4,6-Tribromophenol

Concen: 1.406 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104407.D

Acq: 10 Apr 2018 14:34

Instrument :

BNA_F

ClientSampleId :

DRUM-2-3-6-8-9-11-13

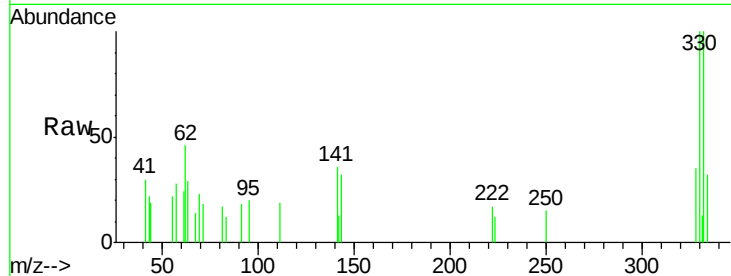
Tgt Ion:330 Resp: 2070

Ion Ratio Lower Upper

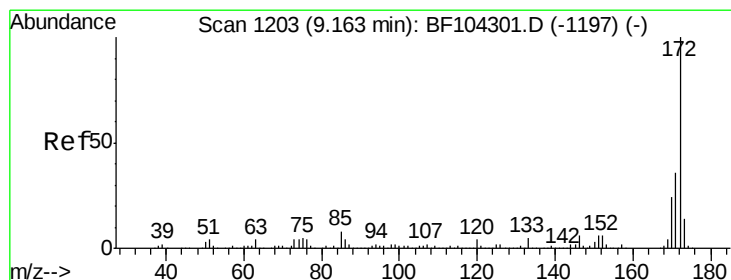
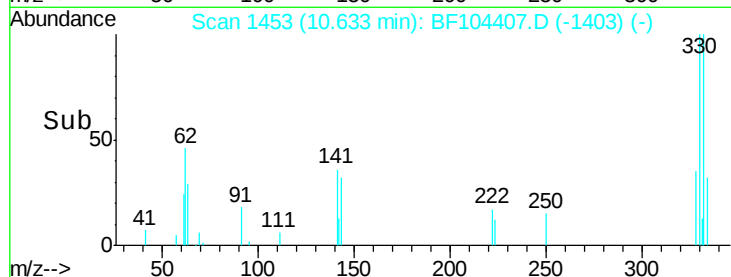
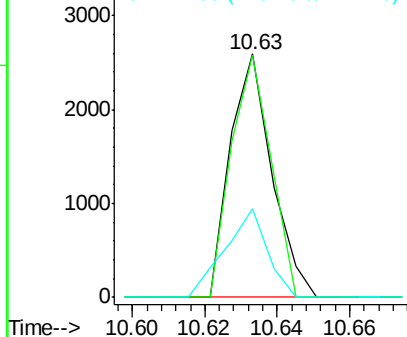
330 100

332 94.5 77.0 115.6

141 37.0 29.9 44.9



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



#44

2-Fluorobiphenyl

Concen: 1.485 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF104407.D

Acq: 10 Apr 2018 14:34

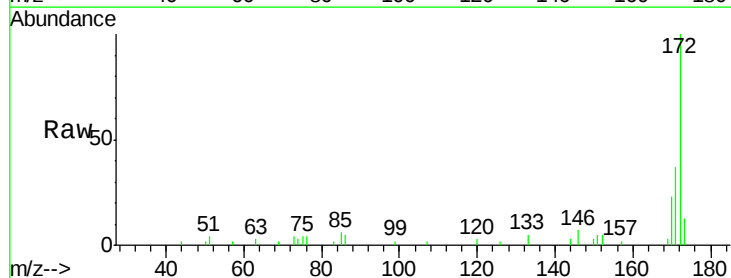
Tgt Ion:172 Resp: 13345

Ion Ratio Lower Upper

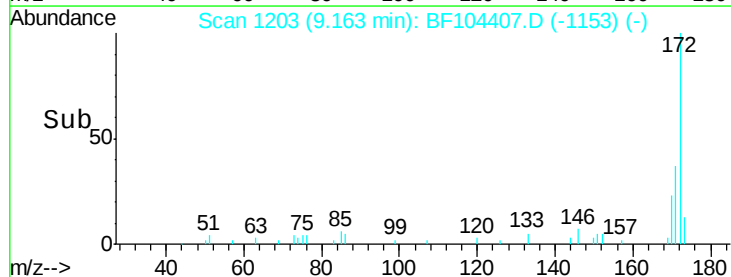
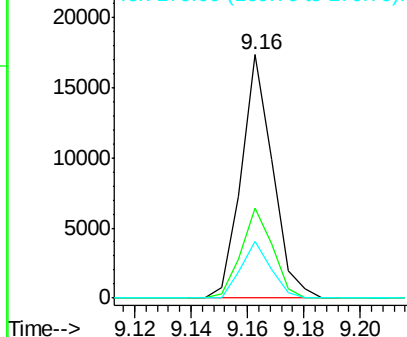
172 100

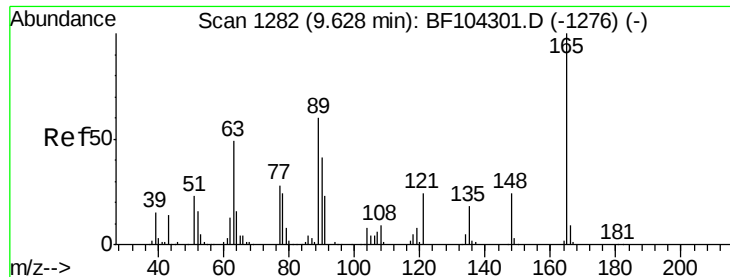
171 37.1 29.7 44.5

170 23.4 19.6 29.4



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

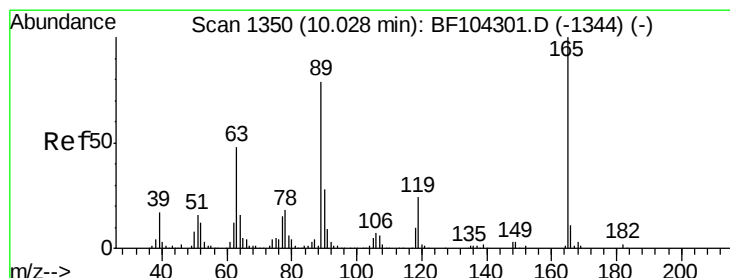
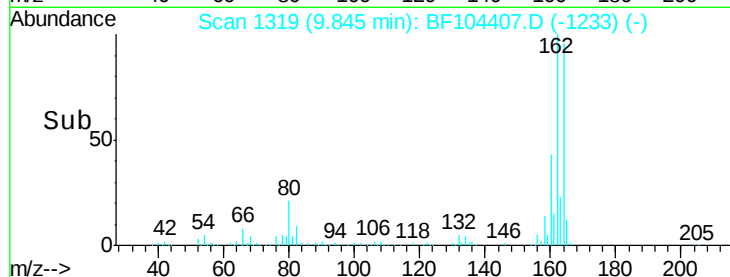
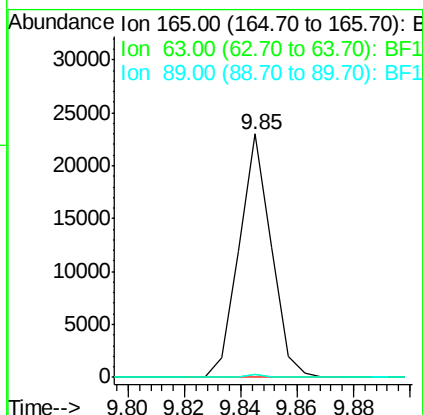
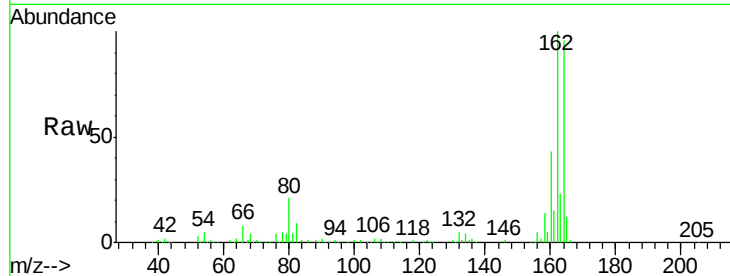




#50
 2,6-Dinitrotoluene
 Concen: 8.766 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104407.D
 Acq: 10 Apr 2018 14:34

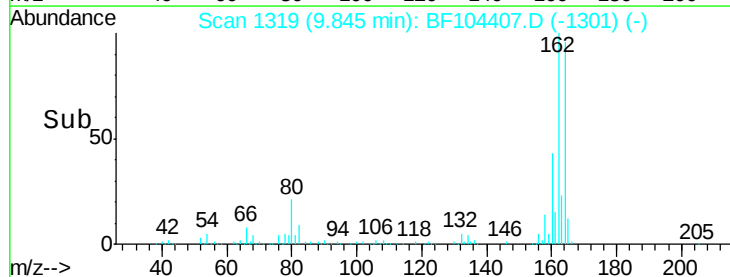
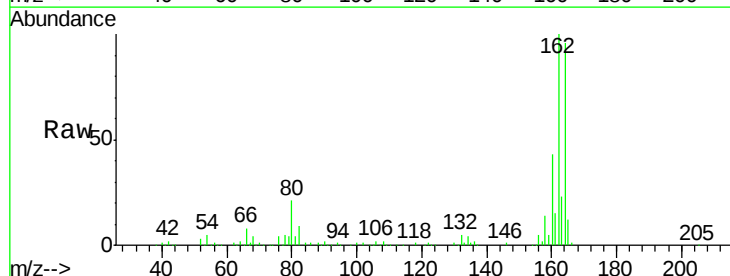
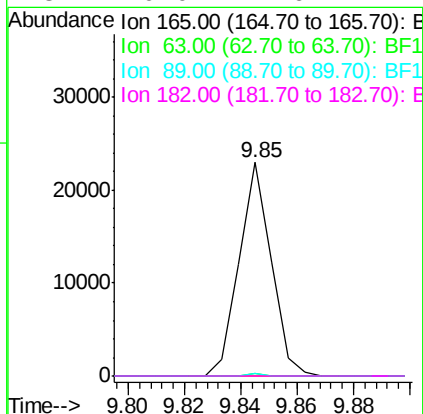
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-2-3-6-8-9-11-13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.683 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF104407.D
 Acq: 10 Apr 2018 14:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF104407.D

Acq: 10 Apr 2018 14:34

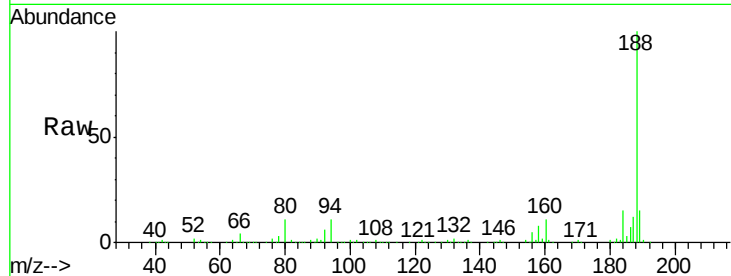
Instrument :

BNA_F

ClientSampleId :

DRUM-2-3-6-8-9-11-13

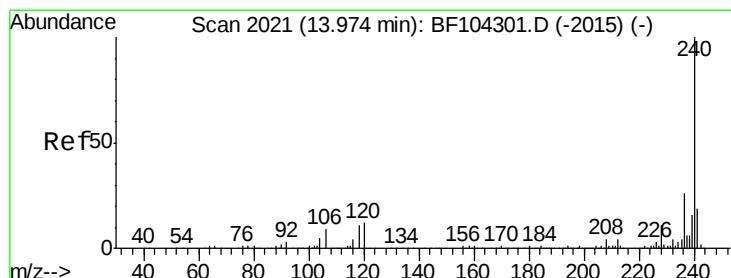
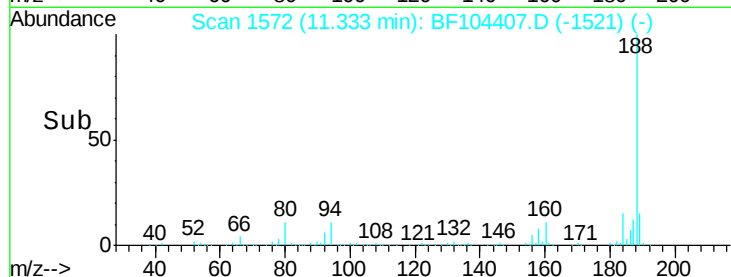
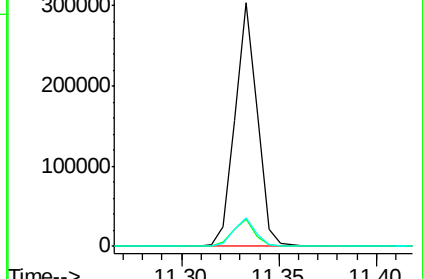
Tgt Ion:	188	Resp:	240257
Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.5	9.2	13.8



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

Chrysene-d12

Concen: 20.000 ng

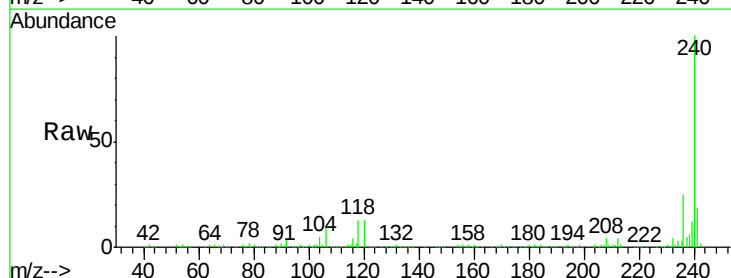
RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104407.D

Acq: 10 Apr 2018 14:34

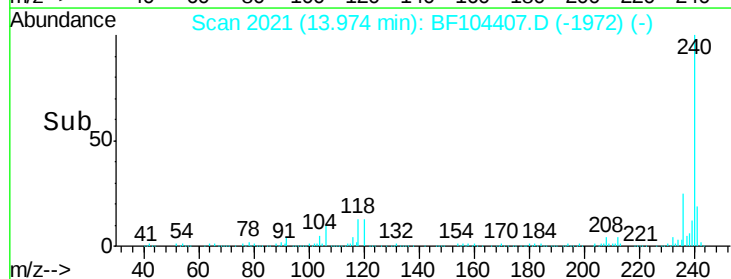
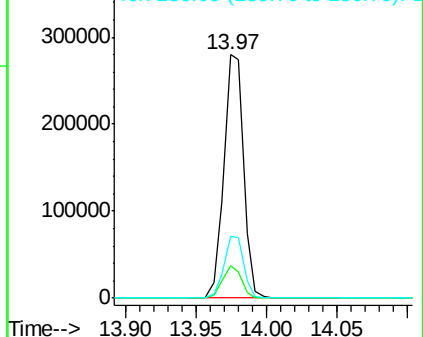
Tgt Ion:	240	Resp:	272098
Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.5	14.3
236	25.2	20.7	31.1



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

Terphenyl-d14

Concen: 1.358 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104407.D

Acq: 10 Apr 2018 14:34

Instrument :

BNA_F

ClientSampleId :

DRUM-2-3-6-8-9-11-13

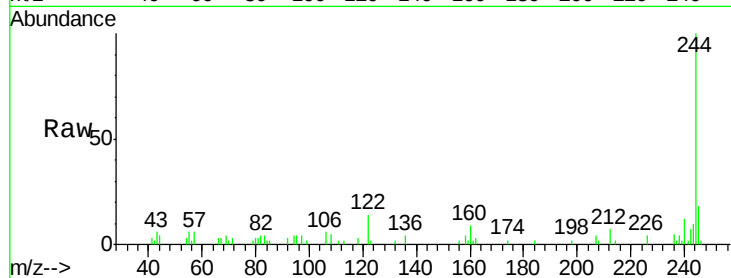
Tgt Ion:244 Resp: 16209

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

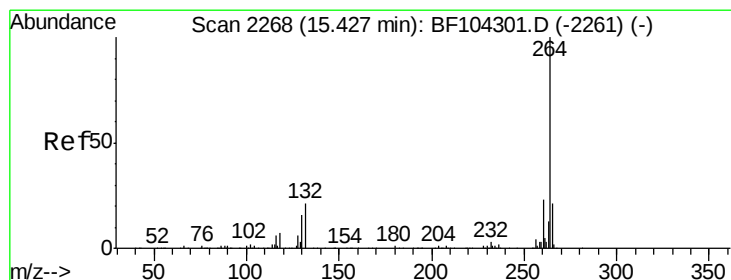
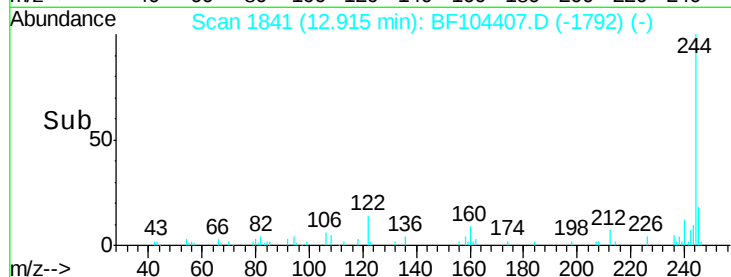
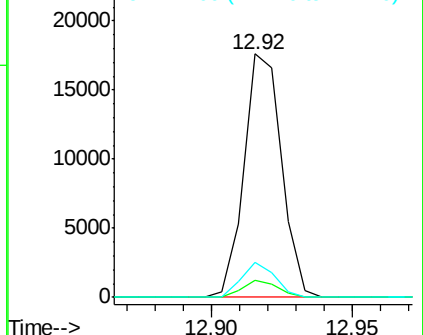
122 14.3 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF104407.D

Acq: 10 Apr 2018 14:34

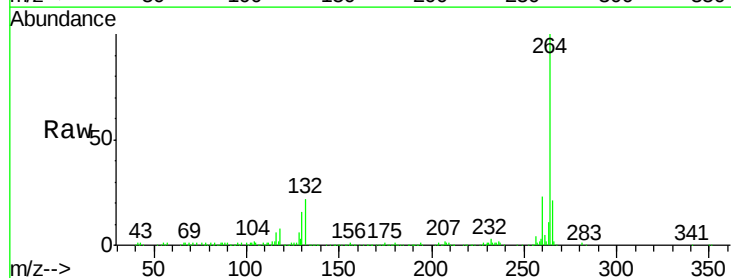
Tgt Ion:264 Resp: 213179

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 20.9 17.5 26.3



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

