

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089381.D
 Acq On : 29 Jul 2016 00:10
 Operator : UM/SJ
 Sample : H4205-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-0.5-1.5

Quant Time: Jul 29 03:09:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

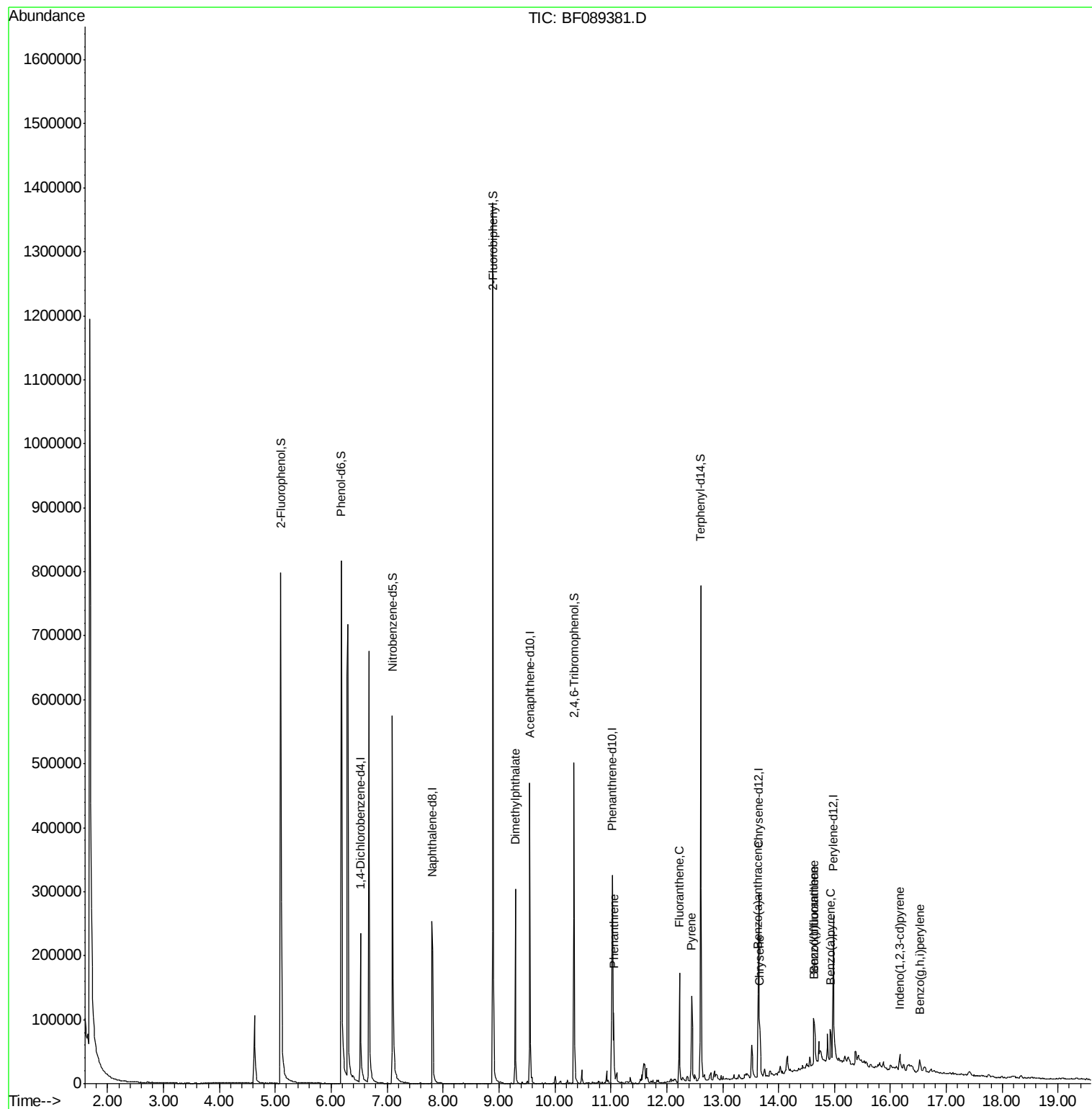
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	46414	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	192579	20.00	ng	-0.02
38) Acenaphthene-d10	9.55	164	89577	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	144982	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	95582	20.00	ng	-0.02
86) Perylene-d12	14.98	264	100333	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	282711	97.26	ng	-0.01
7) Phenol-d6	6.18	99	375180	97.66	ng	-0.02
23) Nitrobenzene-d5	7.10	82	244767	75.02	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	67082	90.42	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	441268	72.29	ng	-0.02
78) Terphenyl-d14	12.60	244	261004	63.91	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.29	163	118276	17.35	ng	100
70) Phenanthrene	11.05	178	43150	5.77	ng	99
74) Fluoranthene	12.23	202	78141	9.93	ng	99
77) Pyrene	12.44	202	68894m	9.51	ng	
80) Benzo(a)anthracene	13.63	228	31573	5.85	ng	96
82) Chrysene	13.67	228	25148	4.38	ng	98
85) Indeno(1,2,3-cd)pyrene	16.17	276	17891	4.38	ng	95
87) Benzo(b)fluoranthene	14.63	252	33296m	5.34	ng	
88) Benzo(k)fluoranthene	14.64	252	19886m	3.47	ng	
89) Benzo(a)pyrene	14.93	252	27707m	4.96	ng	
91) Benzo(g,h,i)perylene	16.53	276	17222	3.98	ng	93

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

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BNA_F
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SB-38-0.5-1.5

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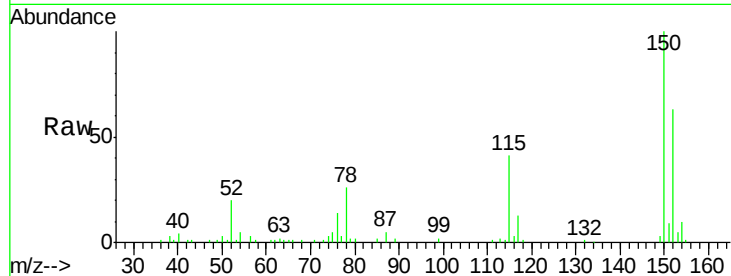




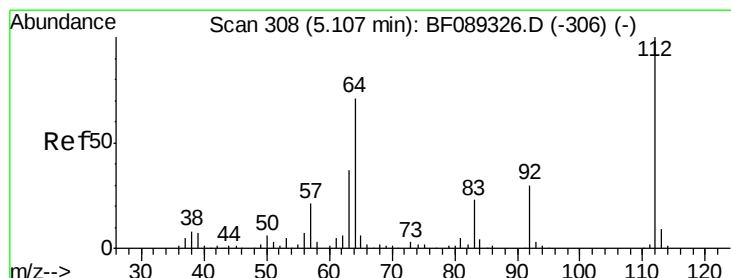
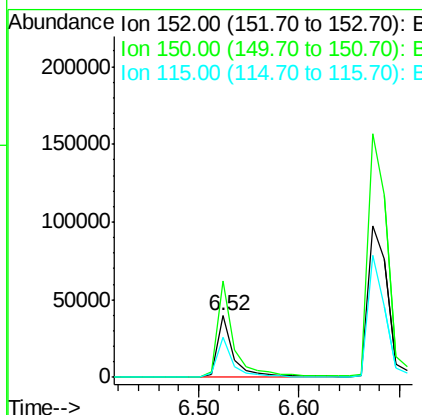
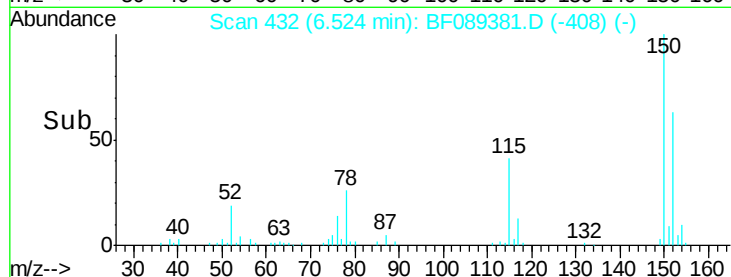
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.52 min Scan# 432
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-0.5-1.5

Tgt Ion:152 Resp: 46414
 Ion Ratio Lower Upper
 152 100
 150 157.7 129.5 194.3
 115 64.2 51.4 77.2

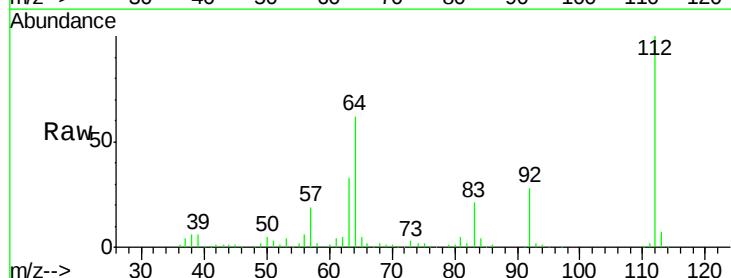


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

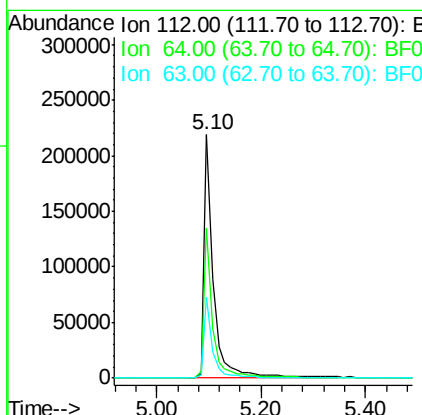
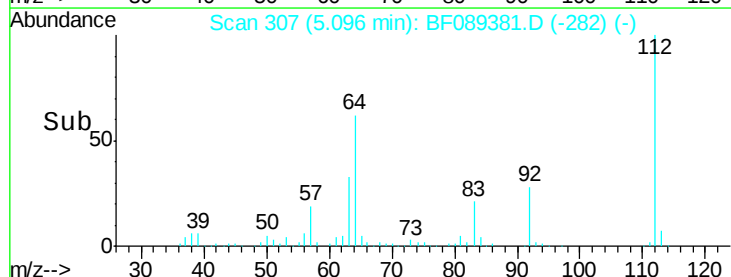


#5
 2-Fluorophenol
 Concen: 97.26 ng
 RT: 5.10 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Tgt Ion:112 Resp: 282711
 Ion Ratio Lower Upper
 112 100
 64 61.6 55.0 82.6
 63 33.2 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.66 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

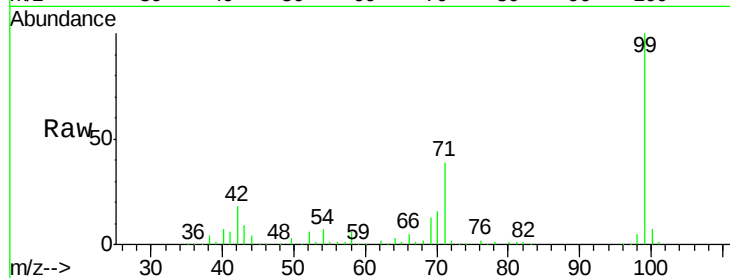
Tgt Ion: 99 Resp: 375180

Ion Ratio Lower Upper

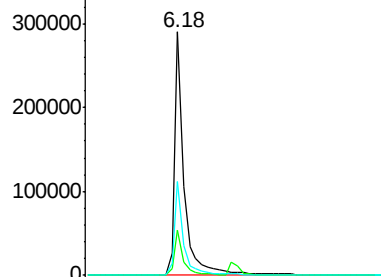
99 100

42 18.4 13.6 20.4

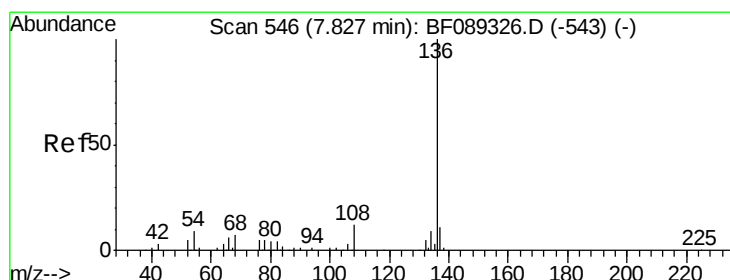
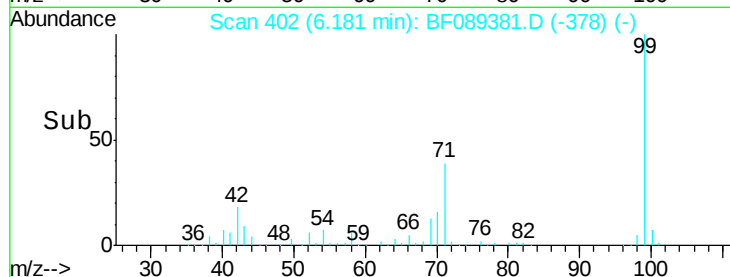
71 38.6 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Tgt Ion: 136 Resp: 192579

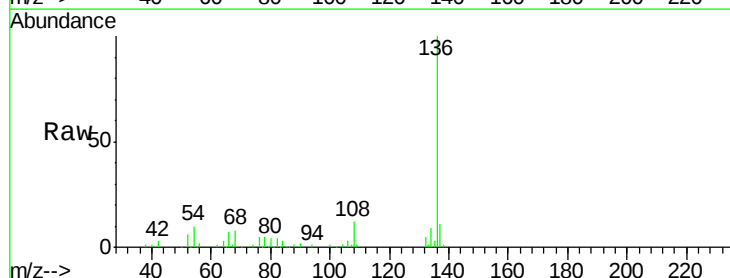
Ion Ratio Lower Upper

136 100

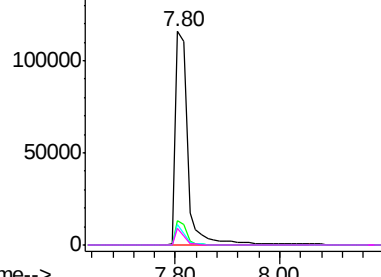
137 11.2 8.6 13.0

54 9.8 7.0 10.4

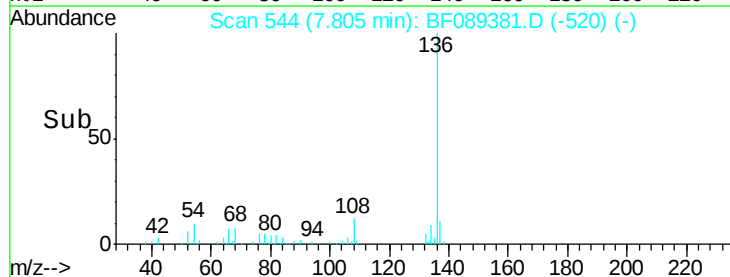
68 7.5 4.9 7.3#

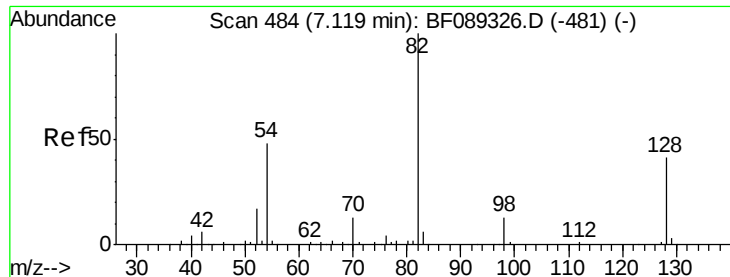


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



Time-->

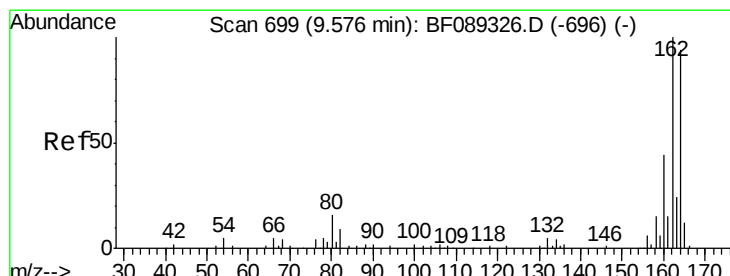
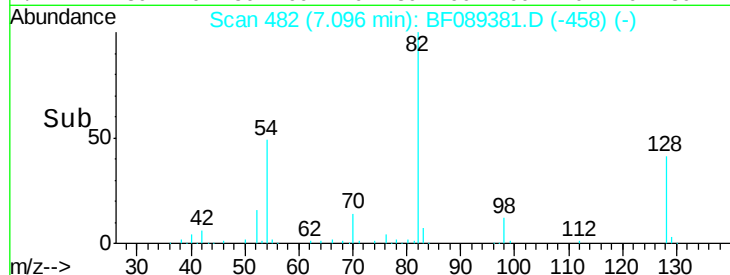
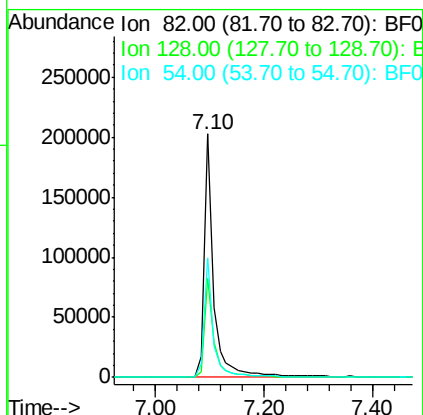
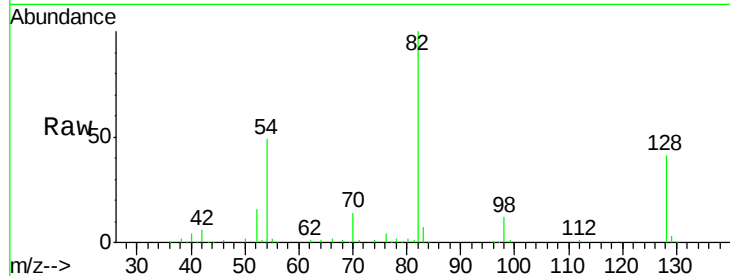




#23
 Nitrobenzene-d5
 Concen: 75.02 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

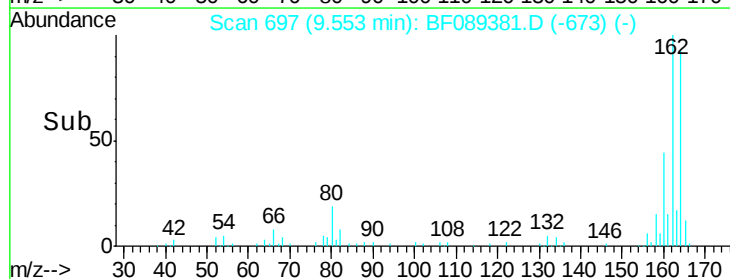
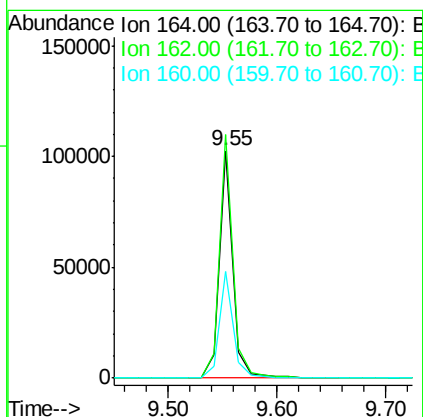
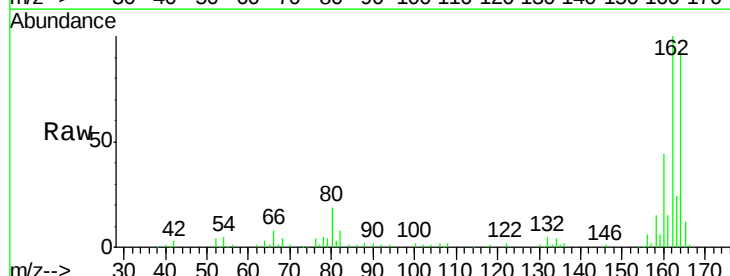
Instrument :
 BNA_F
 ClientSampled :
 SB-38-0.5-1.5

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.5	48.7
54	49.2	38.8	58.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.0	83.7	125.5
160	46.8	37.8	56.6

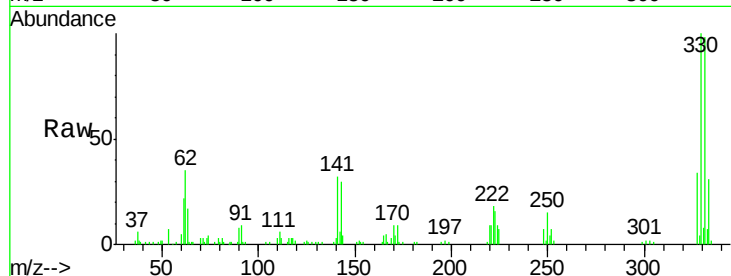




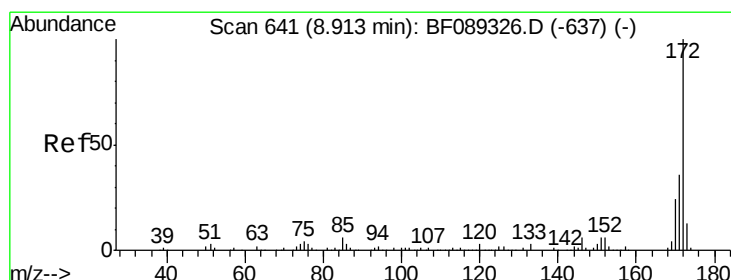
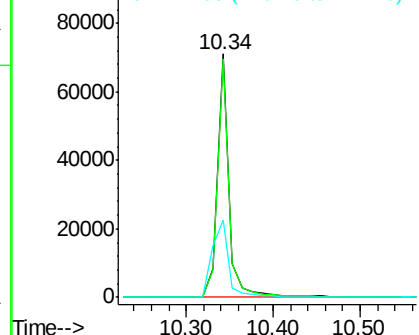
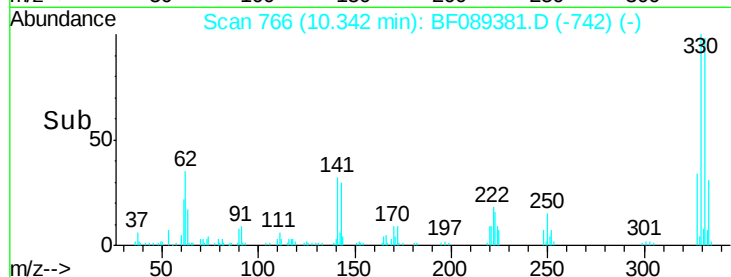
#41
 2,4,6-Tribromophenol
 Concen: 90.42 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-38-0.5-1.5

Tgt Ion:330 Resp: 67082
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.8 115.2
 141 44.0 37.3 55.9

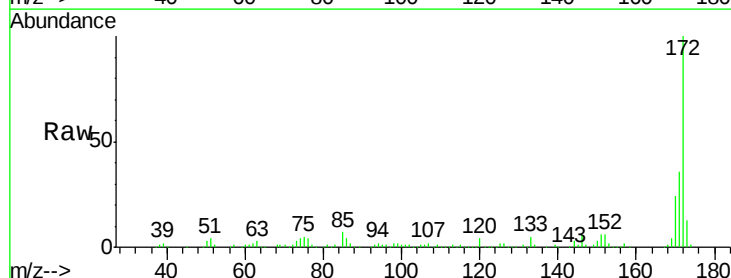


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

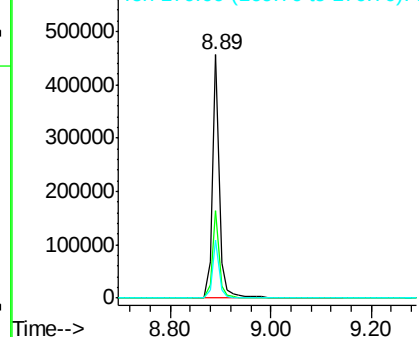
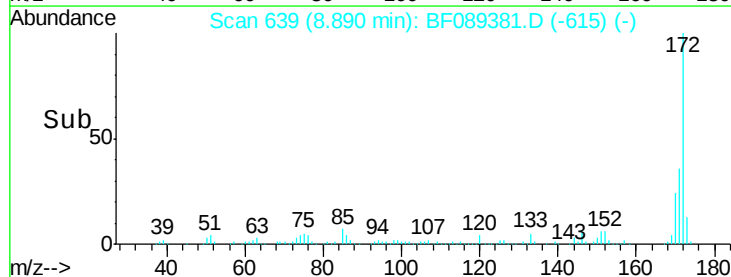


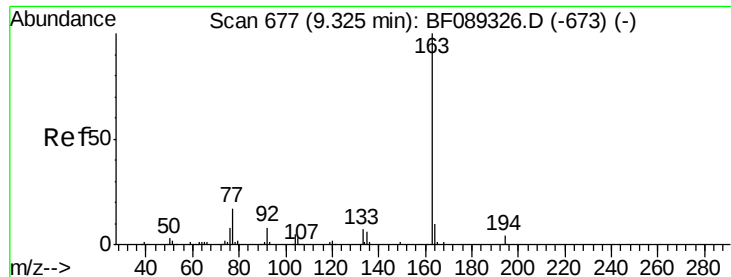
#44
 2-Fluorobiphenyl
 Concen: 72.29 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Tgt Ion:172 Resp: 441268
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.7 19.2 28.8



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

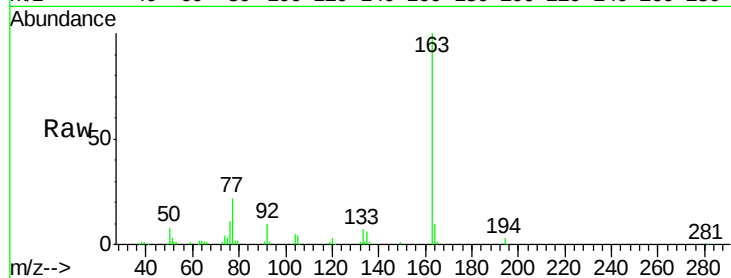




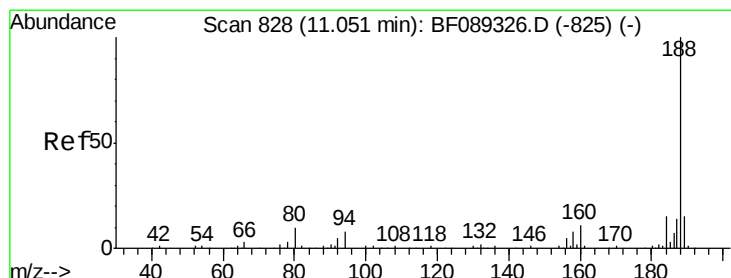
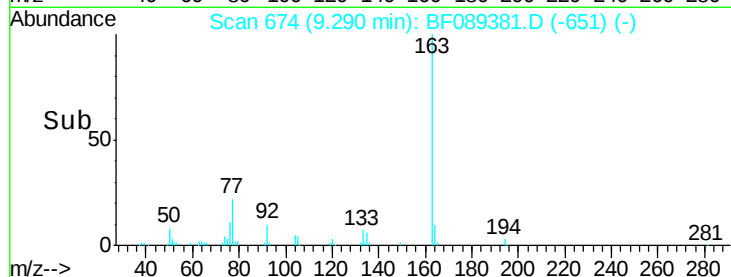
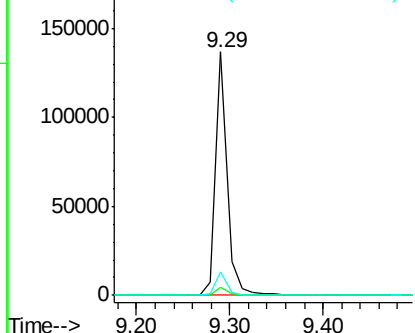
#49
Dimethylphthalate
Concen: 17.35 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:163 Resp: 118276
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 9.8 7.8 11.8

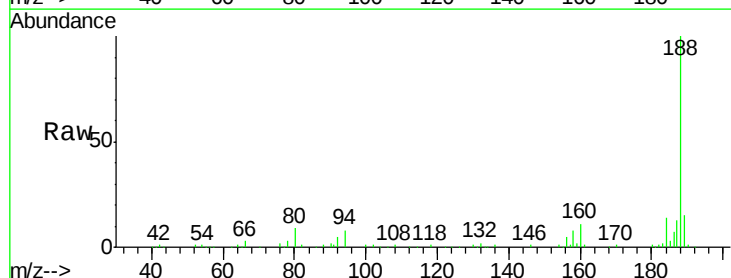


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

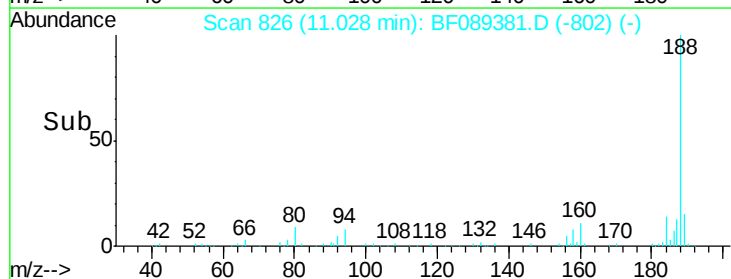
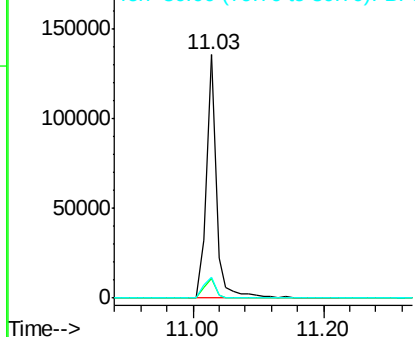


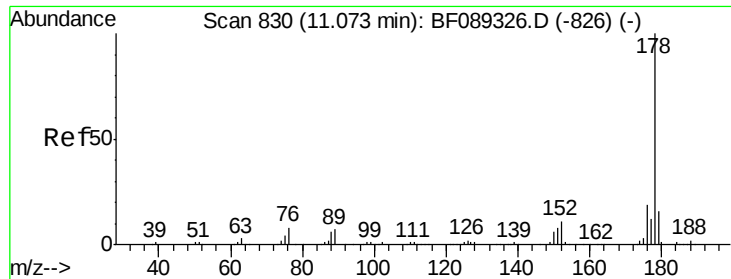
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:188 Resp: 144982
Ion Ratio Lower Upper
188 100
94 8.0 6.5 9.7
80 8.7 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

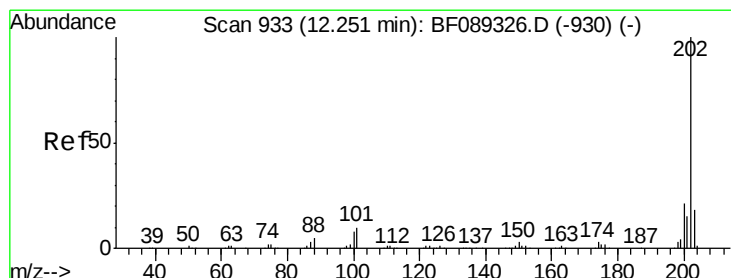
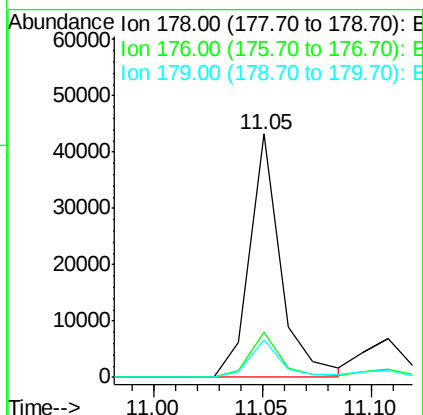
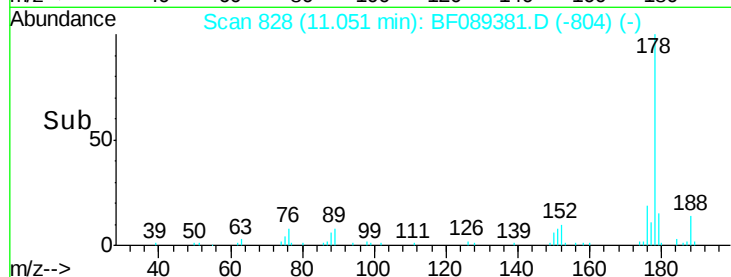
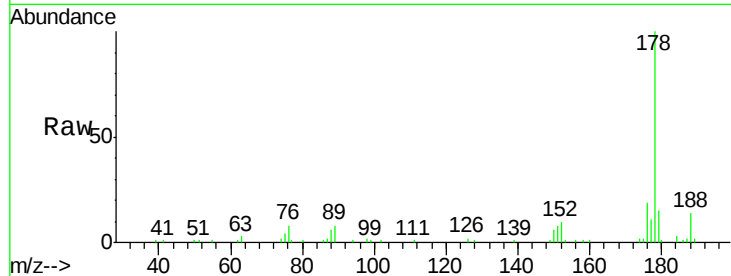




#70
Phenanthrene
Concen: 5.77 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

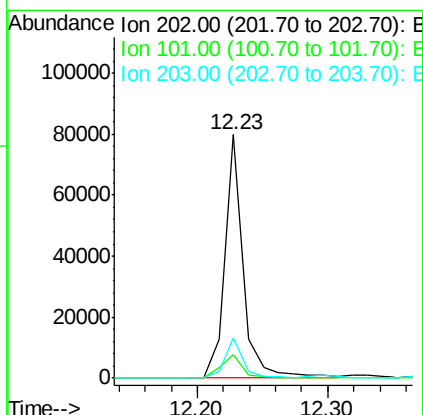
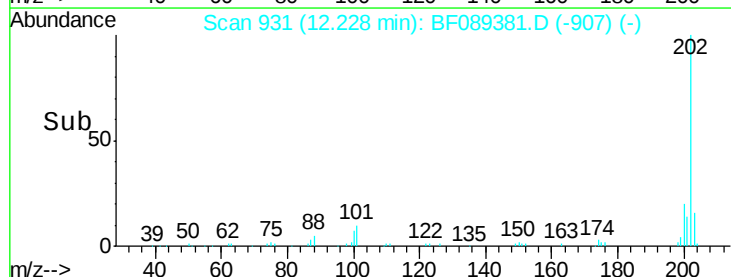
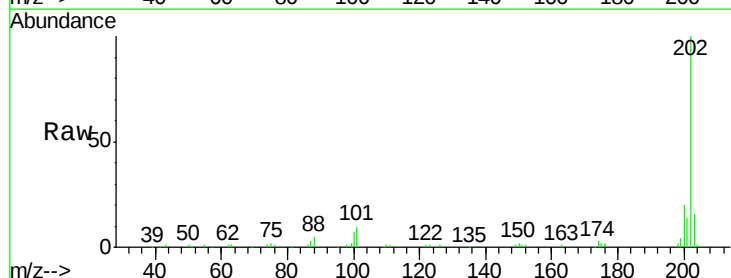
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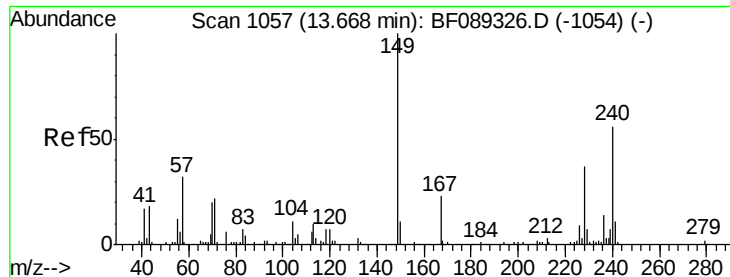
Tgt Ion:178 Resp: 43150
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.2 12.3 18.5



#74
Fluoranthene
Concen: 9.93 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:202 Resp: 78141
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.9
203 16.5 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

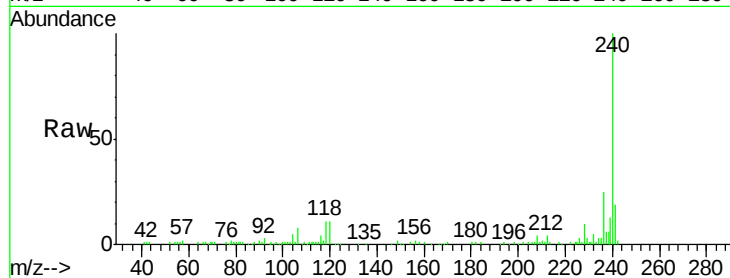
Tgt Ion:240 Resp: 95582

Ion Ratio Lower Upper

240 100

120 10.9 9.1 13.7

236 24.7 20.6 30.8



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

120000

100000

80000

60000

40000

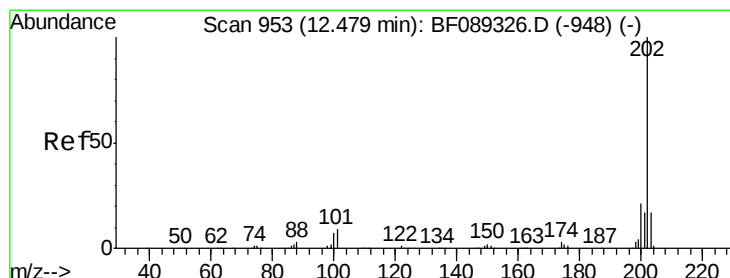
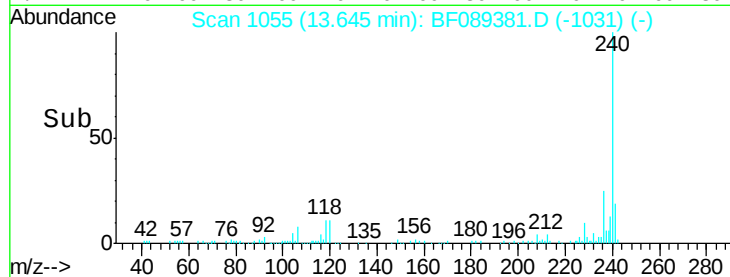
20000

0

13.65

13.60 13.70 13.80

Time-->



#77

Pyrene

Concen: 9.51 ng m

RT: 12.44 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

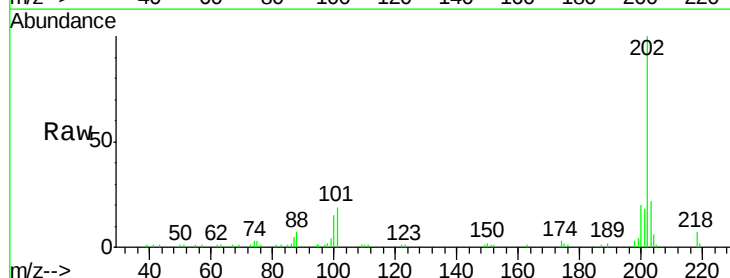
Tgt Ion:202 Resp: 68894

Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 21.7 14.0 21.0#



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

60000

50000

40000

30000

20000

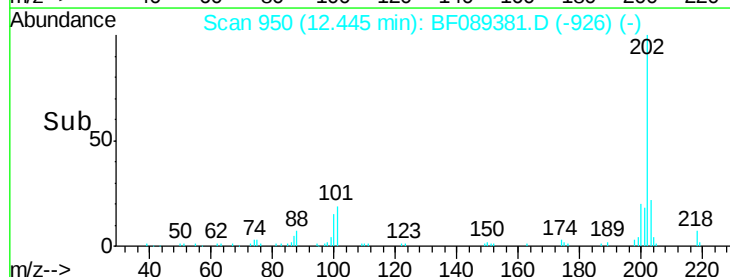
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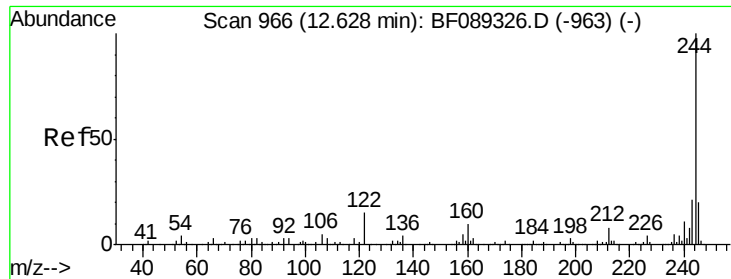
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12.44

12.40 12.50

Time-->

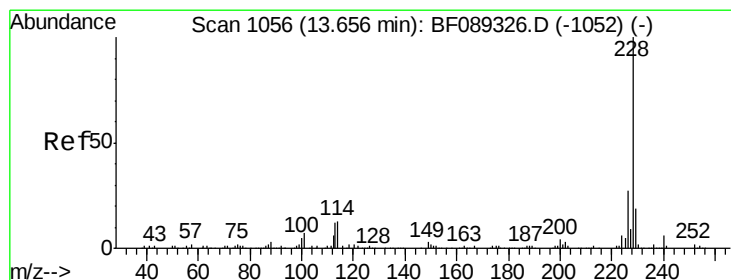
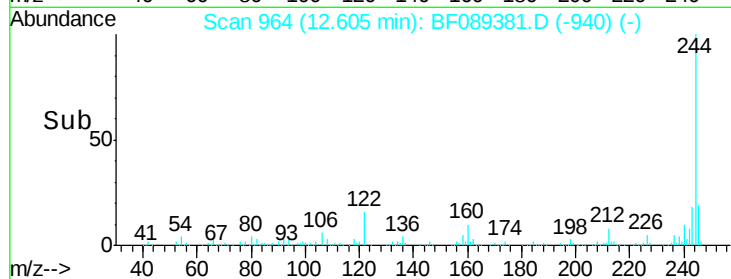
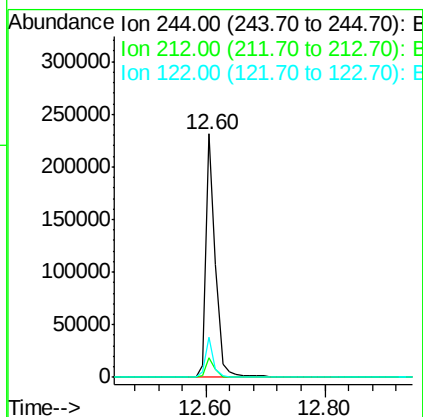
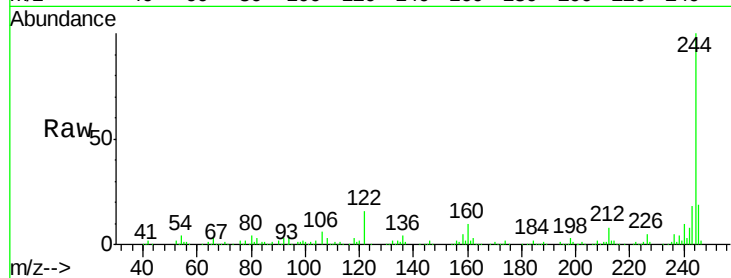




#78
 Terphenyl-d14
 Concen: 63.91 ng
 RT: 12.60 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

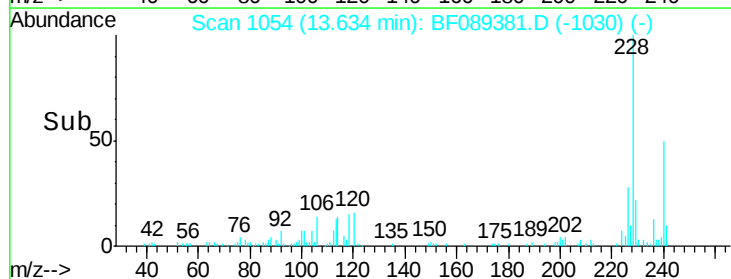
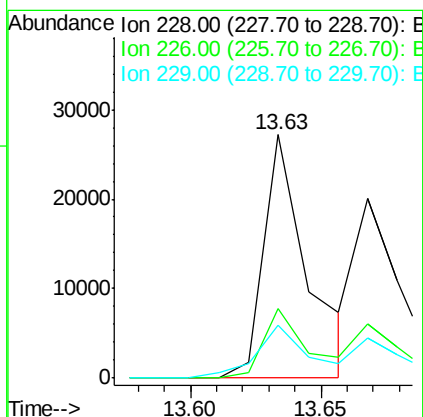
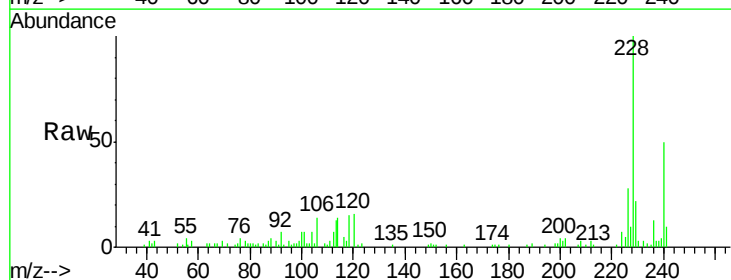
Instrument :
 BNA_F
 ClientSampleId :
 SB-38-0.5-1.5

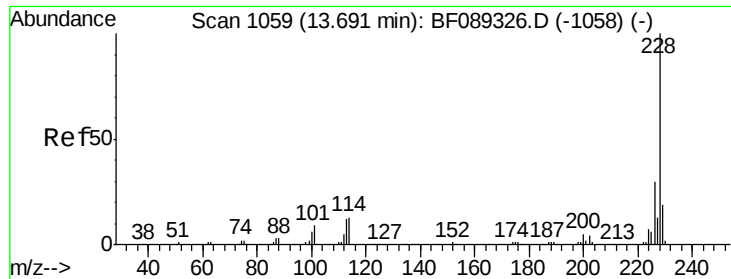
Tgt Ion:244 Resp: 261004
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 16.5 11.4 17.0



#80
 Benzo(a)anthracene
 Concen: 5.85 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BF089381.D
 Acq: 29 Jul 2016 00:10

Tgt Ion:228 Resp: 31573
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.4 32.2
 229 21.9 15.9 23.9





#82

Chrysene

Concen: 4.38 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

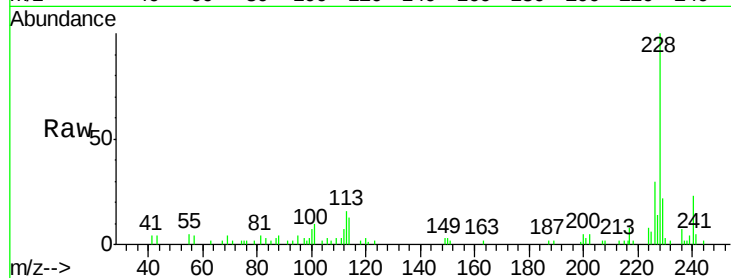
Tgt Ion:228 Resp: 25148

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.2

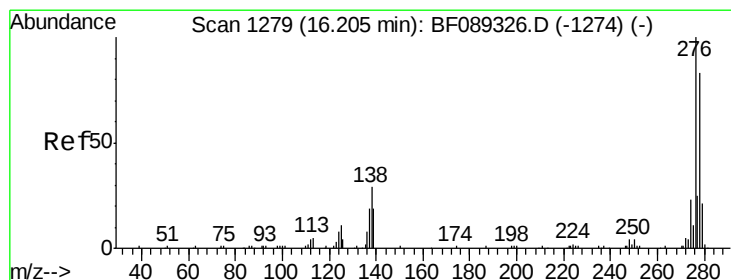
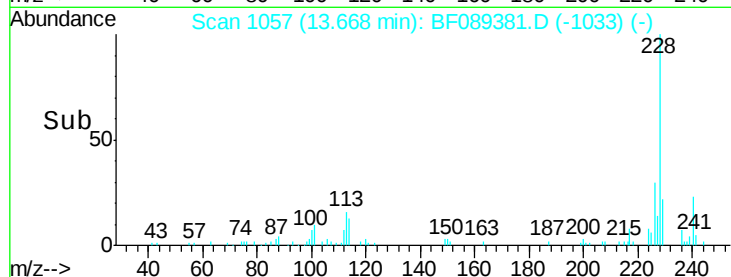
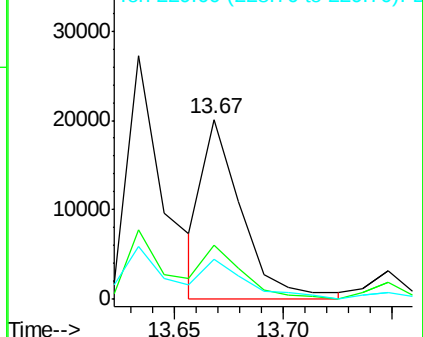
229 22.1 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.38 ng

RT: 16.17 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

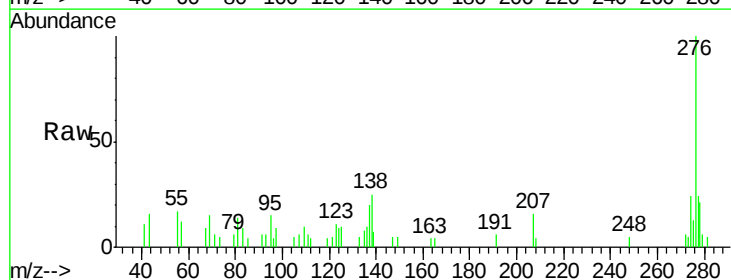
Tgt Ion:276 Resp: 17891

Ion Ratio Lower Upper

276 100

138 30.9 23.0 34.4

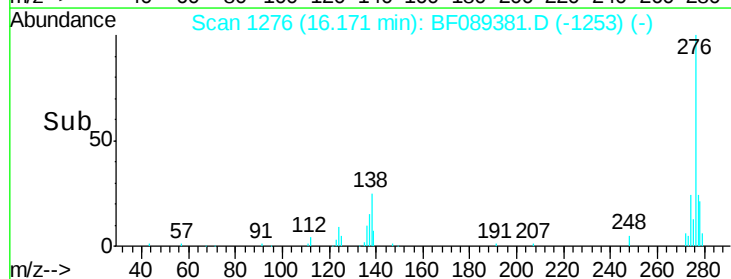
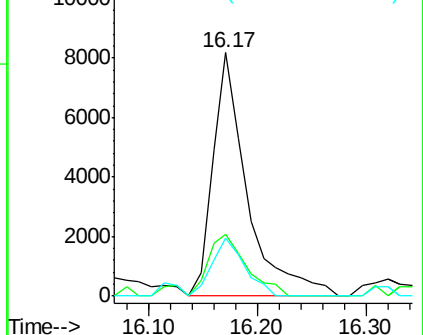
277 22.8 20.2 30.4

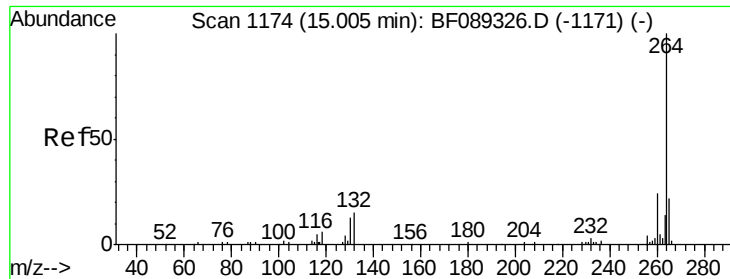


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

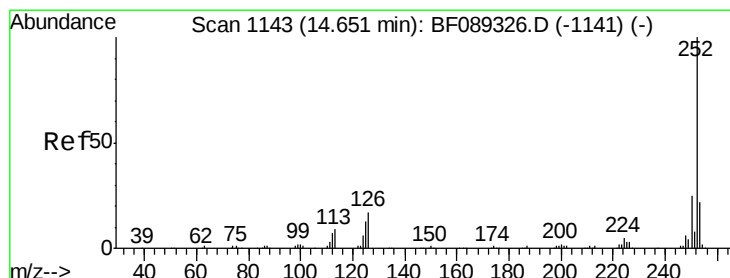
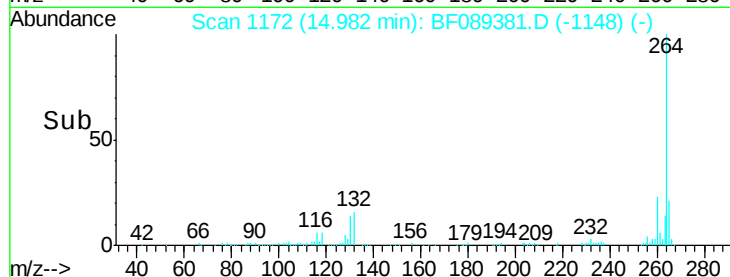
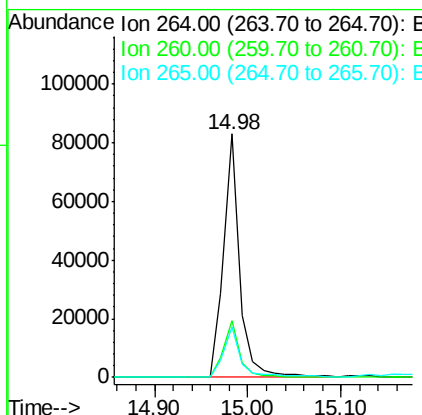
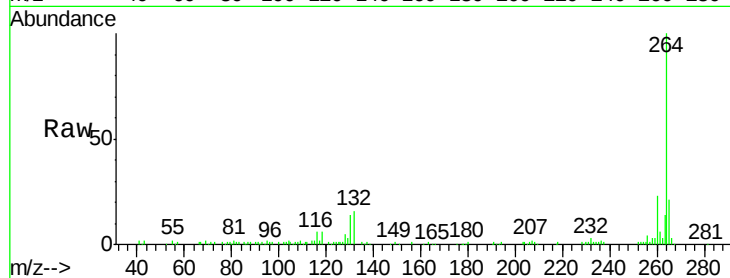




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

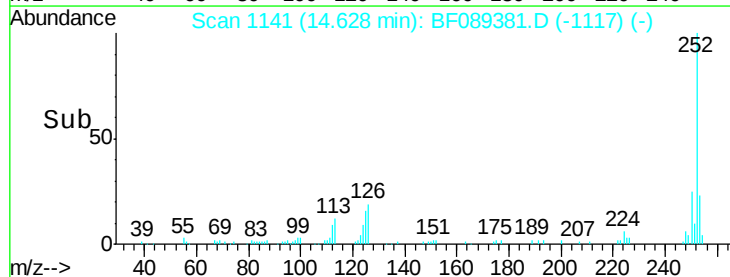
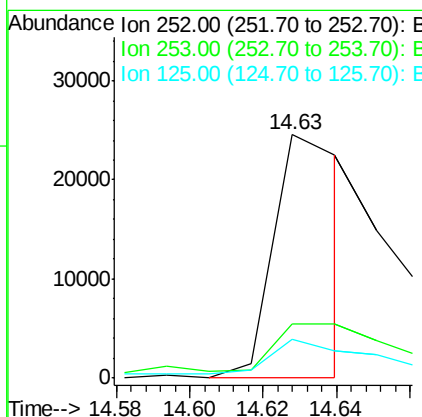
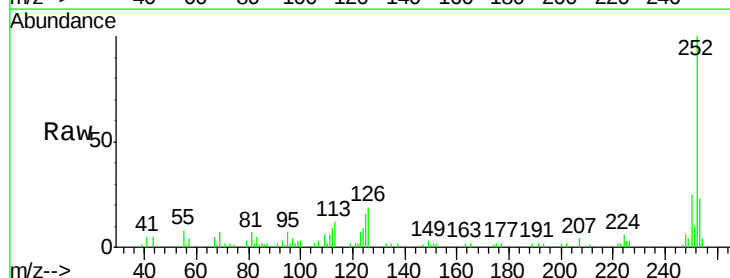
Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

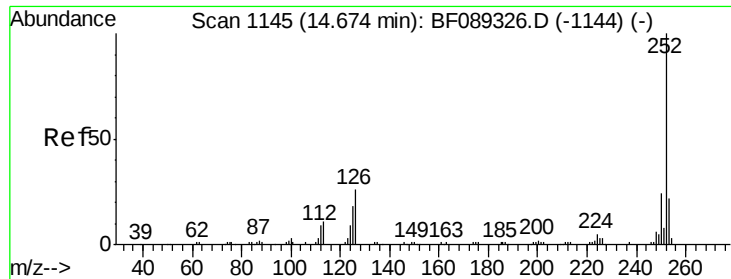
Tgt Ion: 264 Resp: 100333
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.4
265 20.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.34 ng m
RT: 14.63 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion: 252 Resp: 33296
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 15.7 9.7 14.5#





#88

Benzo(k)fluoranthene

Concen: 3.47 ng m

RT: 14.64 min Scan# 1142

Delta R.T. -0.03 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5

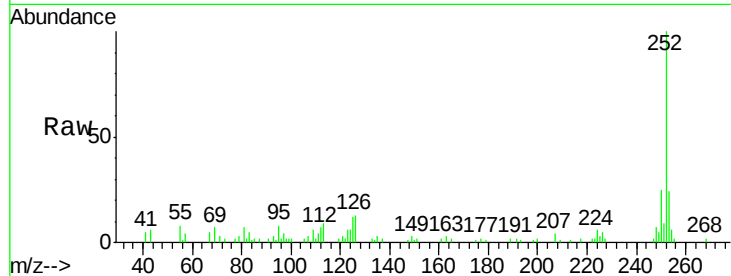
Tgt Ion:252 Resp: 19886

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

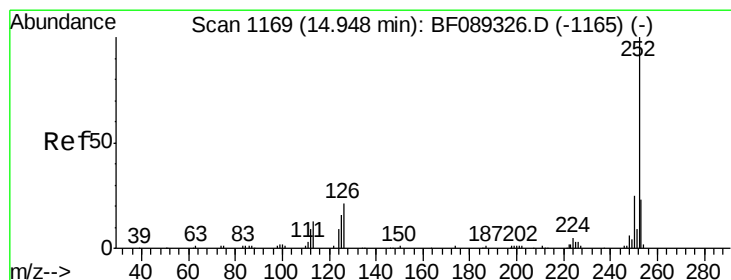
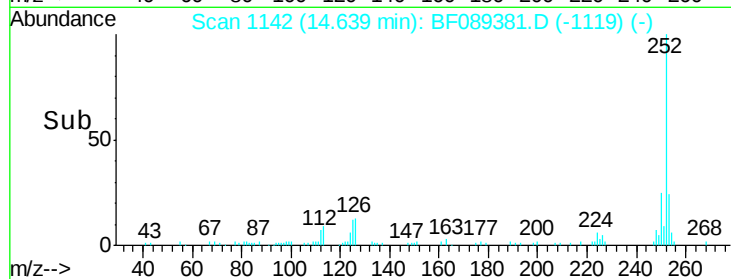
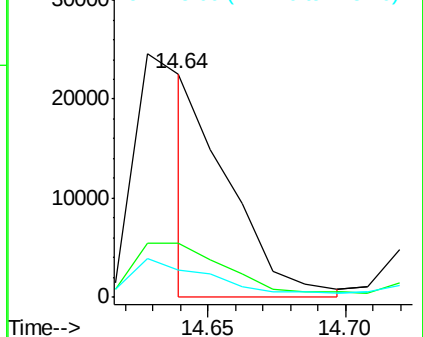
125 12.5 10.7 16.1



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(a)pyrene

Concen: 4.96 ng m

RT: 14.93 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF089381.D

Acq: 29 Jul 2016 00:10

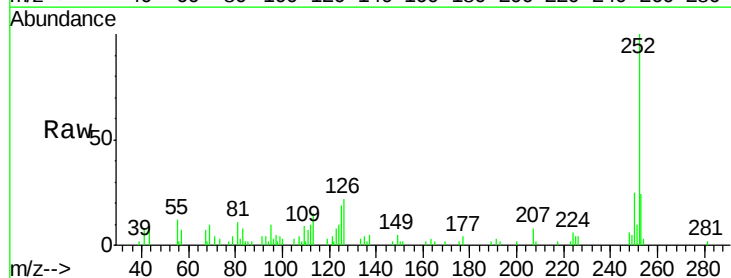
Tgt Ion:252 Resp: 27707

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

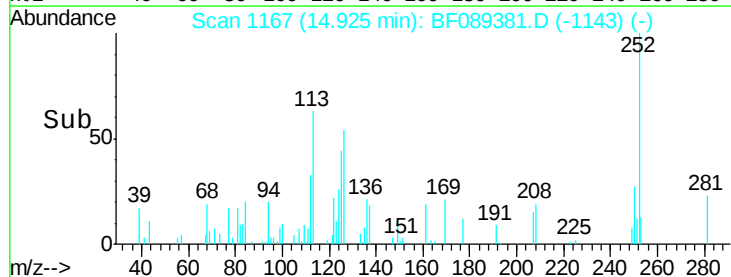
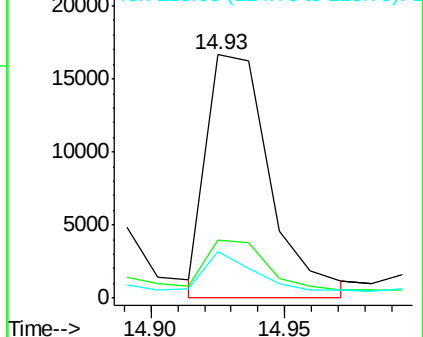
125 19.1 12.4 18.6#

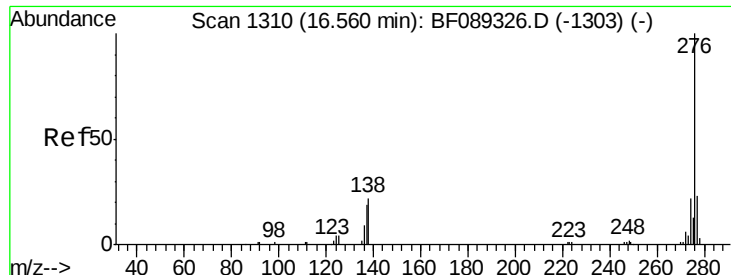


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.98 ng

RT: 16.53 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF089381.D

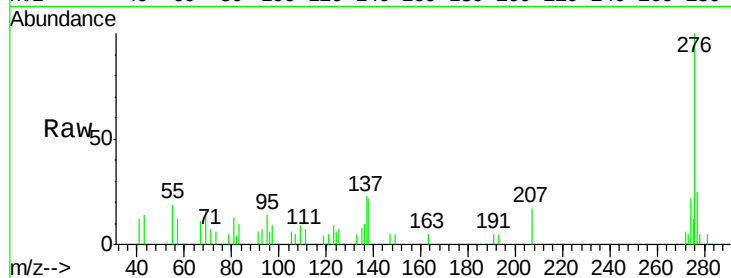
Acq: 29 Jul 2016 00:10

Instrument :

BNA_F

ClientSampleId :

SB-38-0.5-1.5



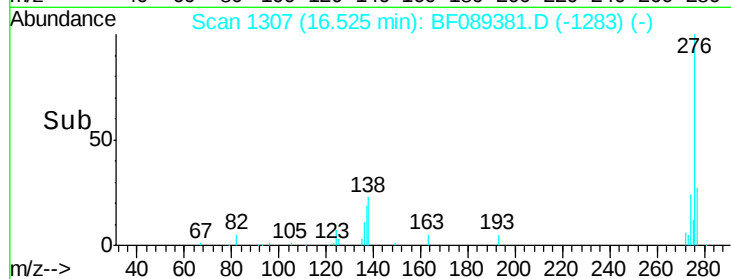
Tgt Ion: 276 Resp: 17222

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 22.0 21.4 32.0



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

