

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089383.D
 Acq On : 29 Jul 2016 1:08
 Operator : UM/SJ
 Sample : H4216-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(LOT107S)0-1

Quant Time: Jul 29 01:35:05 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	47469	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	185053	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	87282	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	130479	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	92930	20.00	ng	-0.02
86) Perylene-d12	14.98	264	94503	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.11	112	343671	115.60	ng	0.00
7) Phenol-d6	6.18	99	447445	113.89	ng	-0.02
23) Nitrobenzene-d5	7.10	82	278339	88.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	72551	100.36	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	488074	82.07	ng	-0.02
78) Terphenyl-d14	12.60	244	285033	71.79	ng	-0.02

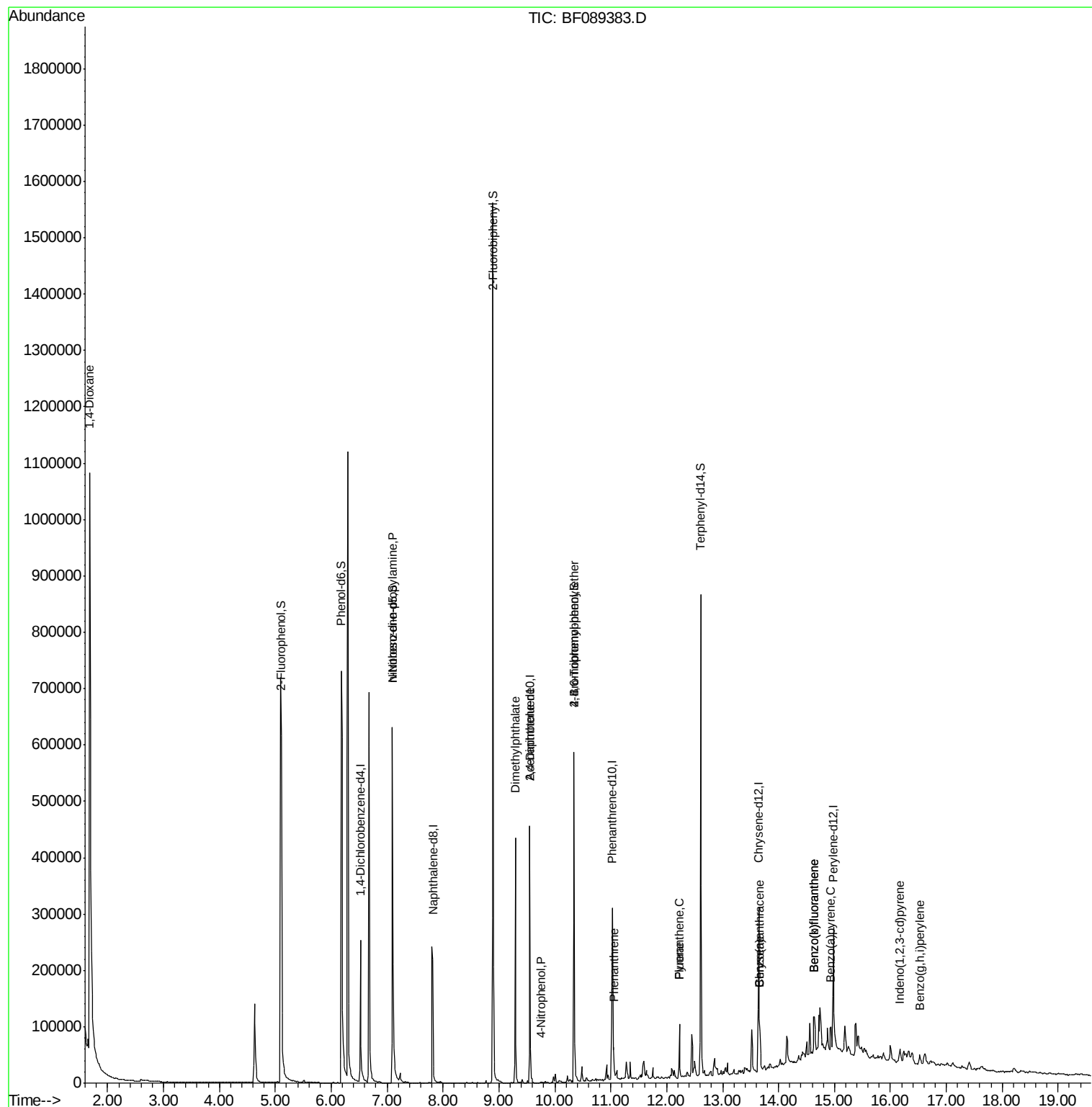
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.68	88	51418	38.00	ng	# 26
19) n-Nitroso-di-n-propylamine	7.10	70	36456	15.39	ng	# 83
49) Dimethylphthalate	9.29	163	167693	25.24	ng	99
55) 4-Nitrophenol	9.76	139	256	6.52	ng	# 4
56) 2,4-Dinitrotoluene	9.55	165	10654	5.93	ng	# 7
66) 4-Bromophenyl-phenylether	10.34	248	5488	4.41	ng	# 1
70) Phenanthrene	11.05	178	20995	3.12	ng	99
74) Fluoranthene	12.23	202	42276	5.97	ng	98
77) Pyrene	12.23	202	42276	6.00	ng	99
80) Benzo(a)anthracene	13.67	228	21607	4.12	ng	94
82) Chrysene	13.67	228	21607	3.87	ng	98
85) Indeno(1,2,3-cd)pyrene	16.17	276	15179	3.82	ng	95
87) Benzo(b)fluoranthene	14.64	252	45212	7.70	ng	93
88) Benzo(k)fluoranthene	14.64	252	45212	8.38	ng	96
89) Benzo(a)pyrene	14.94	252	22089	4.20	ng	93
91) Benzo(g,h,i)perylene	16.53	276	12946	3.18	ng	95

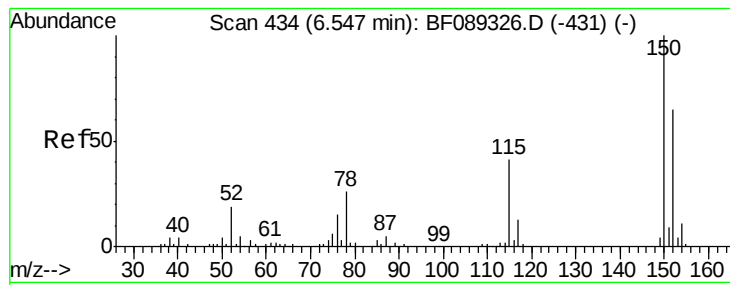
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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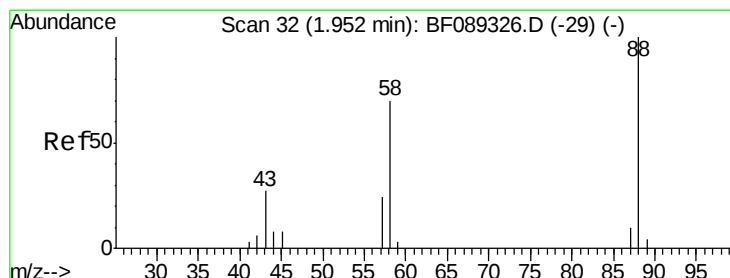
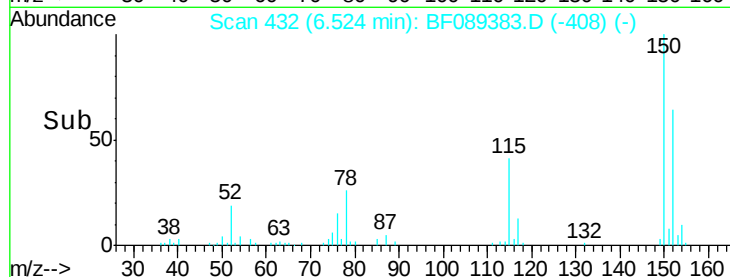
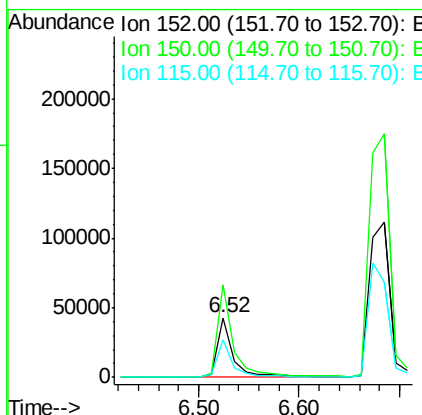
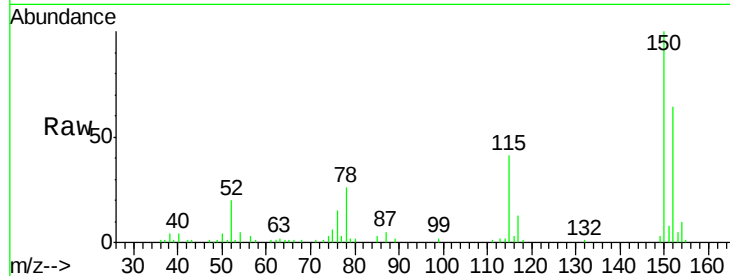




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.52 min Scan# 432
 Delta R.T. -0.02 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

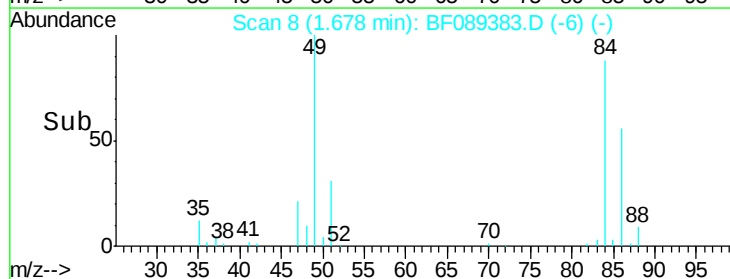
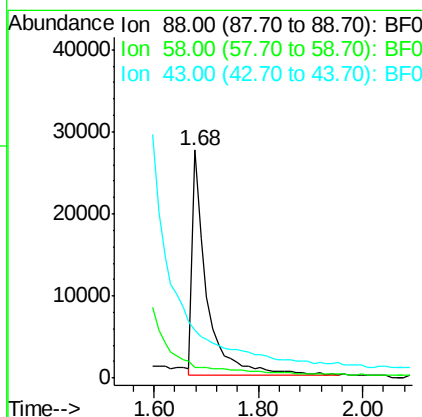
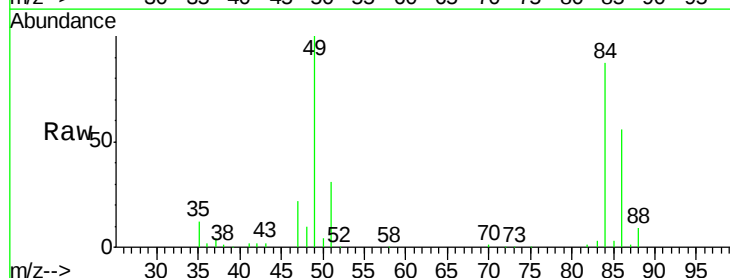
Instrument :
 BNA_F
 ClientSampleId :
 SP-1(LOT107S)0-1

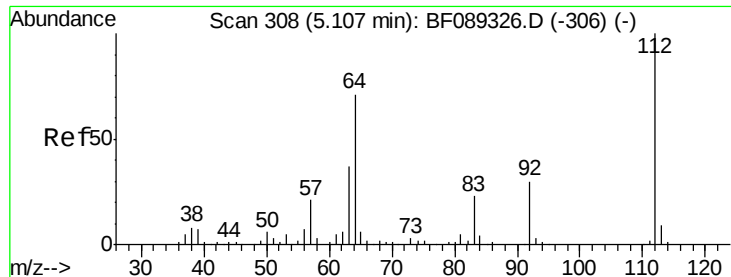
Tgt Ion:152 Resp: 47469
 Ion Ratio Lower Upper
 152 100
 150 156.3 129.5 194.3
 115 63.6 51.4 77.2



#2
 1,4-Dioxane
 Concen: 38.00 ng
 RT: 1.68 min Scan# 8
 Delta R.T. -0.27 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Tgt Ion: 88 Resp: 51418
 Ion Ratio Lower Upper
 88 100
 58 0.0 53.2 79.8#
 43 0.0 20.6 31.0#





#5

2-Fluorophenol

Concen: 115.60 ng

RT: 5.11 min Scan# 308

Delta R.T. 0.00 min

Lab File: BF089383.D

Acq: 29 Jul 2016 1:08

Instrument :

BNA_F

ClientSampleId :

SP-1(LOT107S)0-1

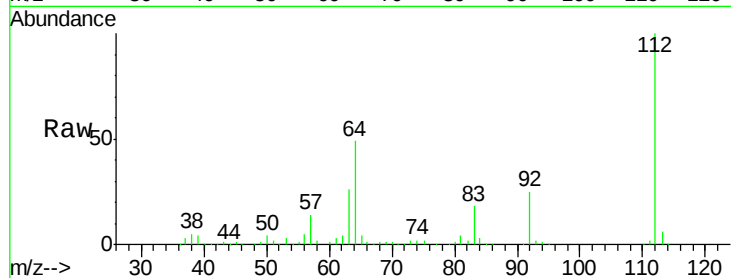
Tgt Ion: 112 Resp: 343671

Ion Ratio Lower Upper

112 100

64 49.2 55.0 82.6#

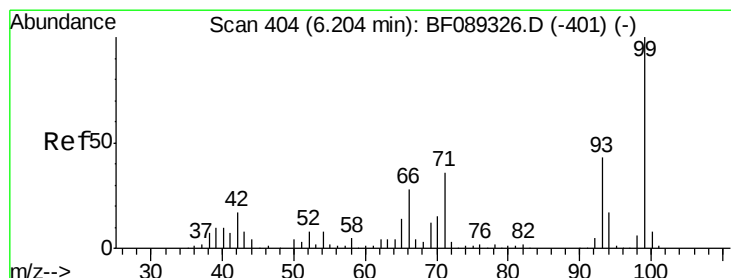
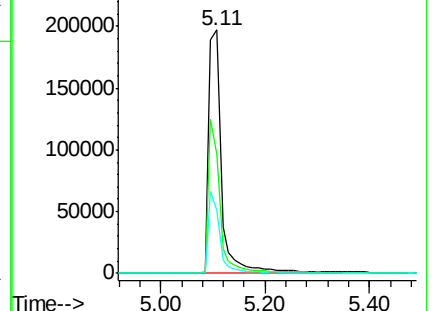
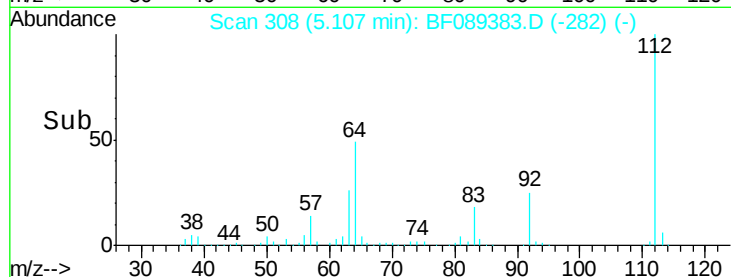
63 26.0 29.4 44.2#



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: 113.89 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089383.D

Acq: 29 Jul 2016 1:08

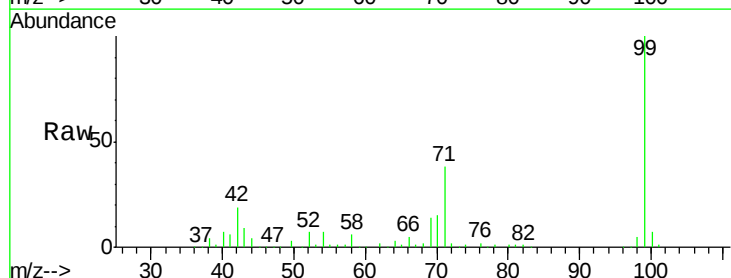
Tgt Ion: 99 Resp: 447445

Ion Ratio Lower Upper

99 100

42 18.8 13.6 20.4

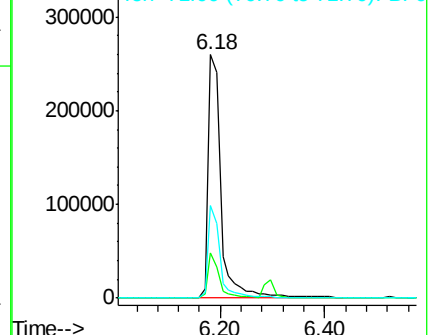
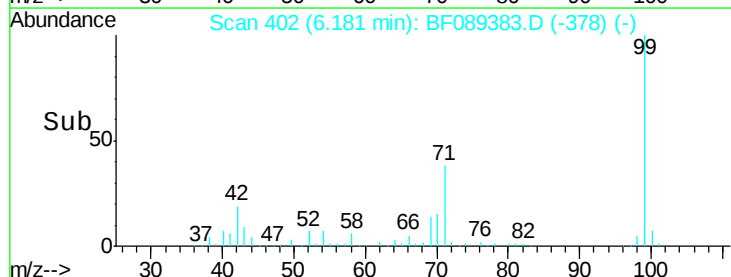
71 38.3 29.4 44.2

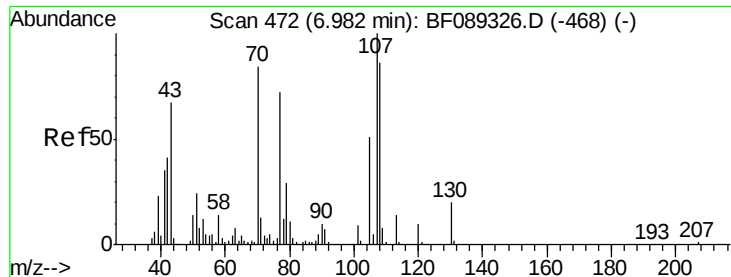


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

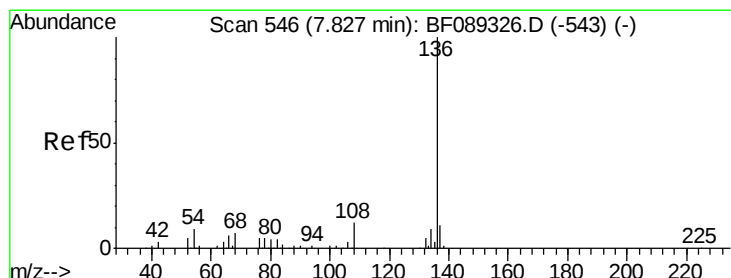
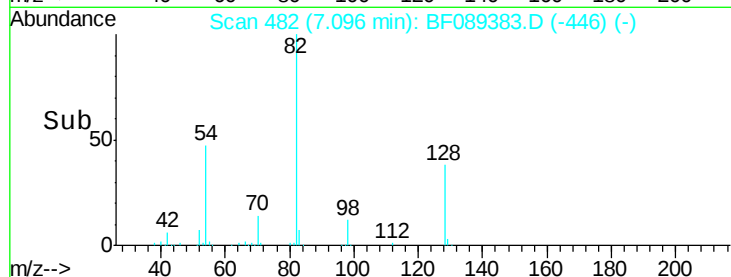
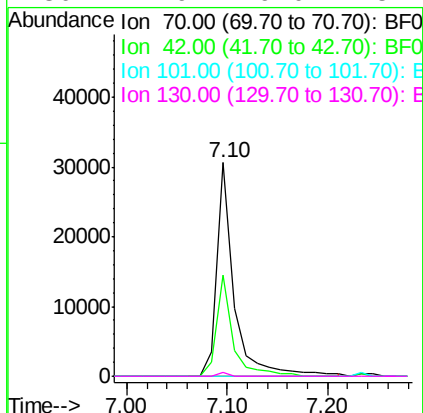
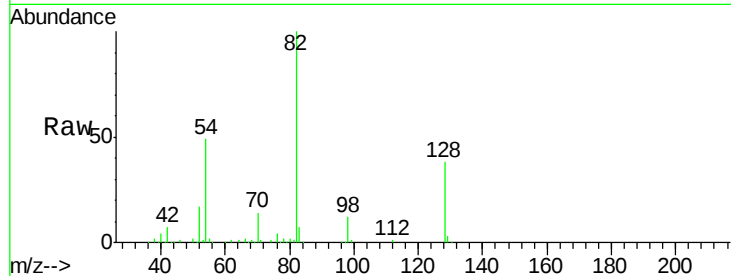




#19
n-Nitroso-di-n-propylamine
Concen: 15.39 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.11 min
Lab File: BF089383.D
Acq: 29 Jul 2016 1:08

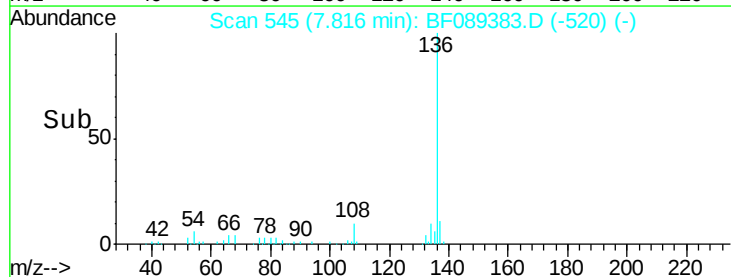
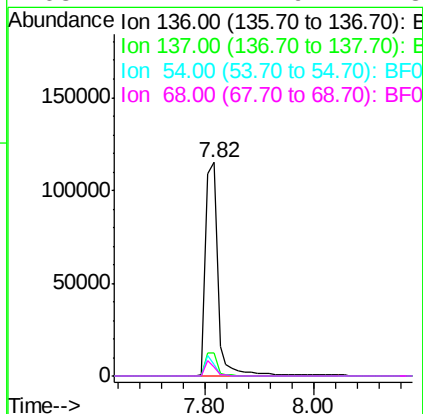
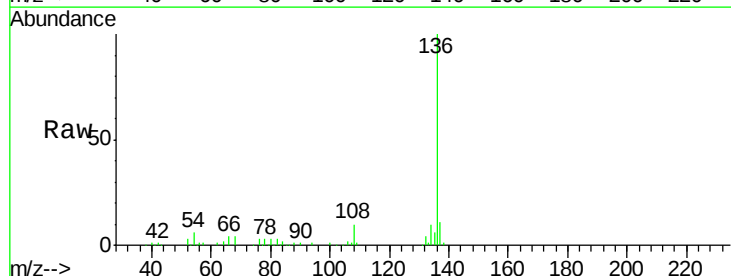
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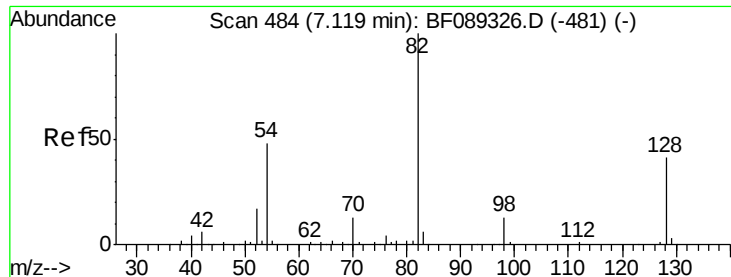
Tgt Ion: 70 Resp: 36456
Ion Ratio Lower Upper
70 100
42 47.6 38.6 57.8
101 0.0 8.3 12.5#
130 1.9 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF089383.D
Acq: 29 Jul 2016 1:08

Tgt Ion: 136 Resp: 185053
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 5.6 7.0 10.4#
68 4.2 4.9 7.3#

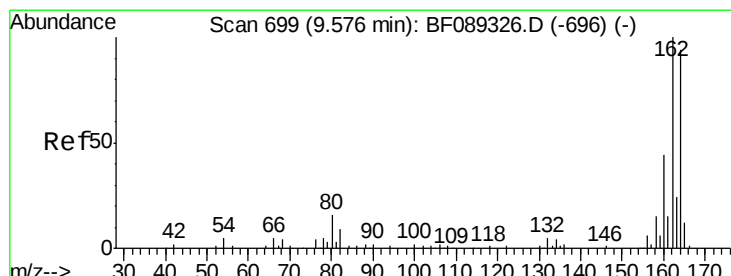
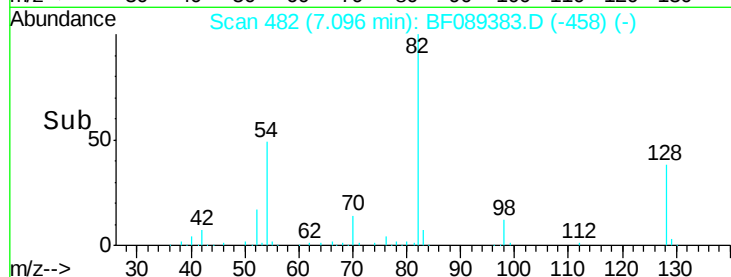
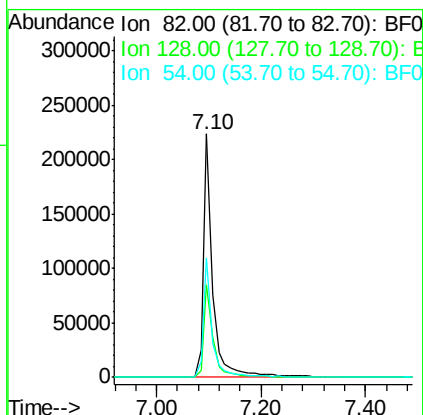
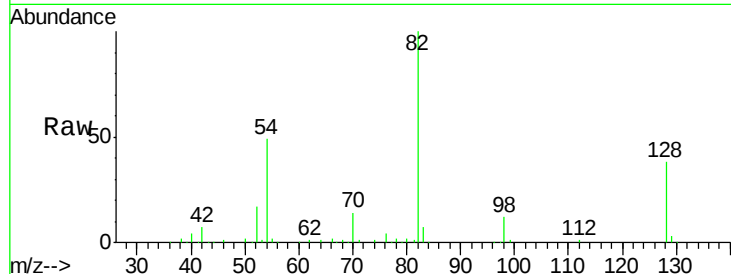




#23
 Nitrobenzene-d5
 Concen: 88.78 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

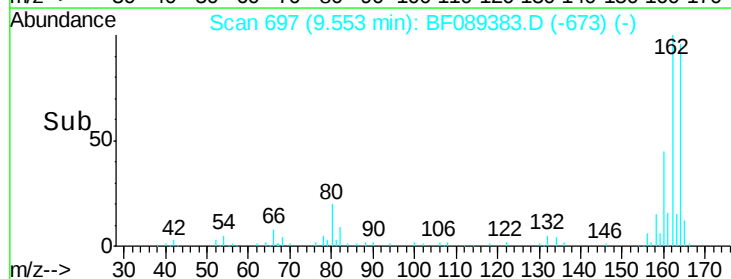
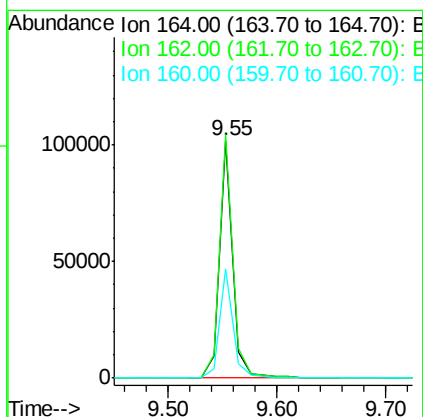
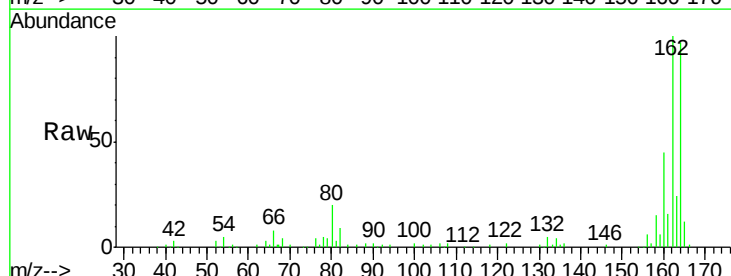
Instrument :
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 ClientSampleId :
 SP-1(LOT107S)0-1

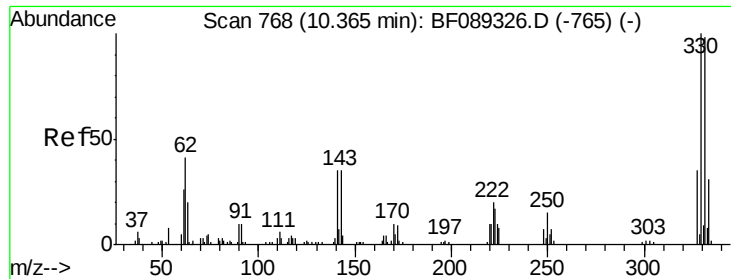
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.2	32.5	48.7
54	49.3	38.8	58.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	83.7	125.5
160	46.0	37.8	56.6

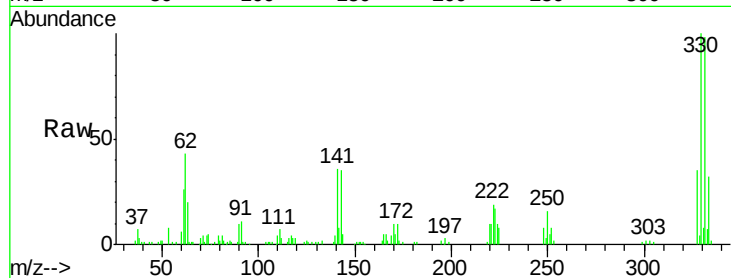




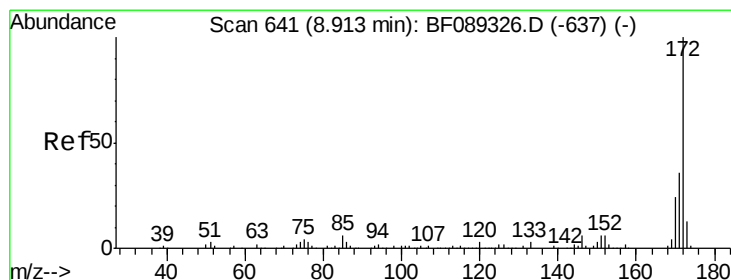
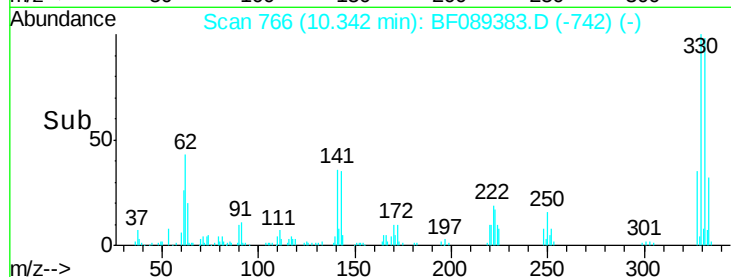
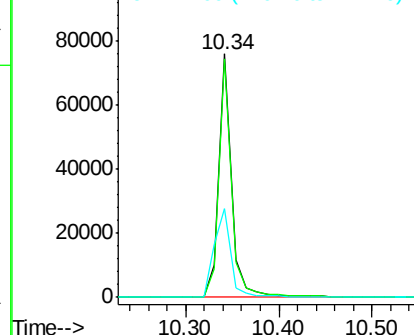
#41
 2,4,6-Tribromophenol
 Concen: 100.36 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(LOT107S)0-1

Tgt Ion:330 Resp: 72551
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.8 115.2
 141 47.2 37.3 55.9

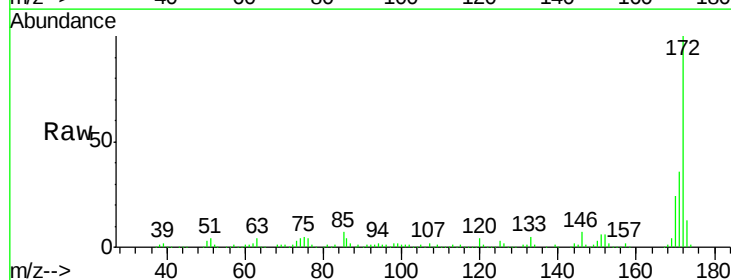


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

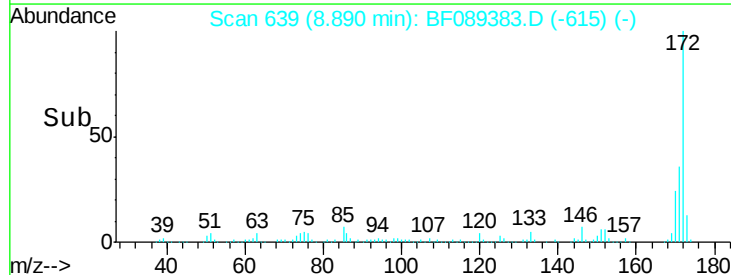
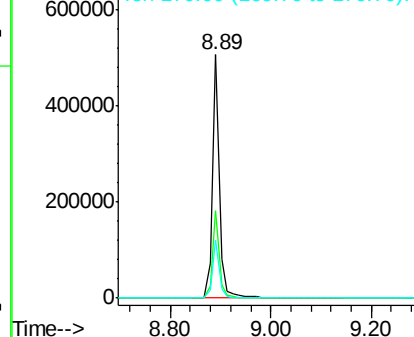


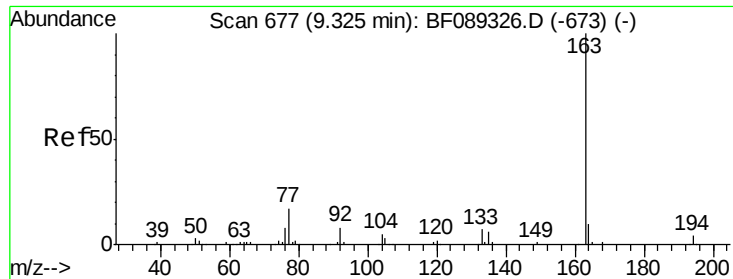
#44
 2-Fluorobiphenyl
 Concen: 82.07 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Tgt Ion:172 Resp: 488074
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 170 23.8 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

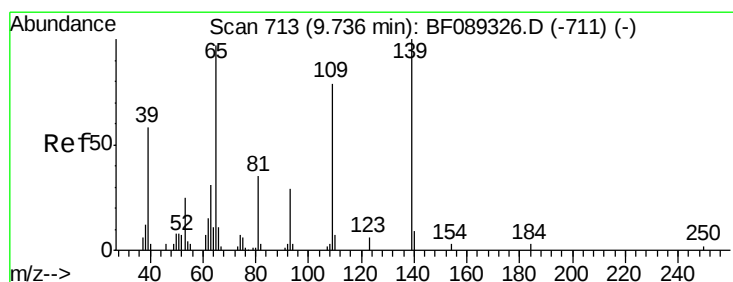
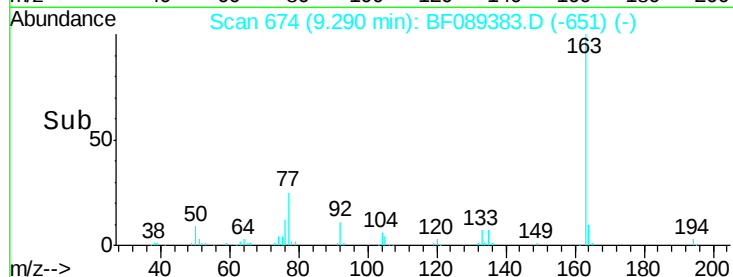
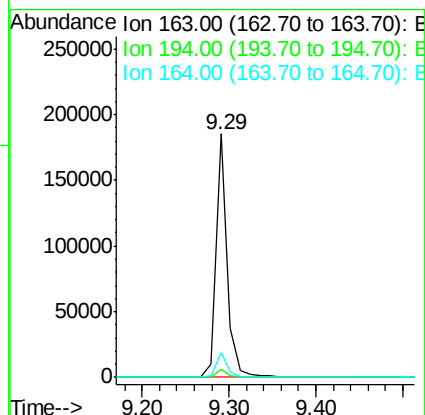
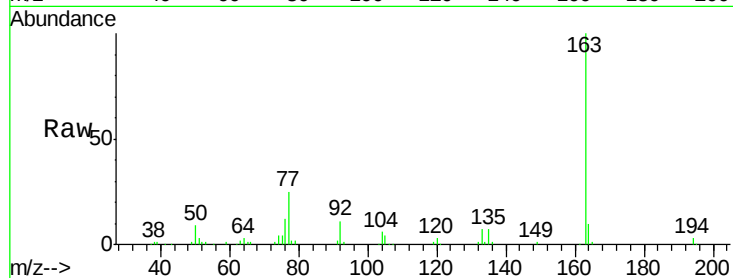




#49
Dimethylphthalate
Concen: 25.24 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089383.D
Acq: 29 Jul 2016 1:08

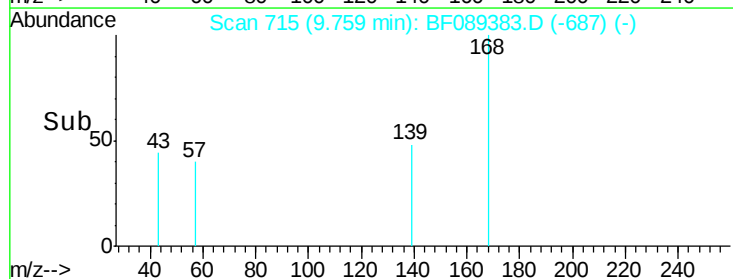
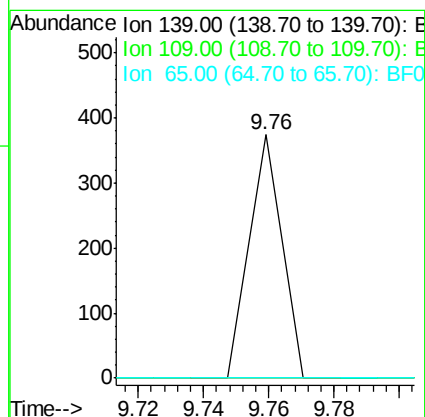
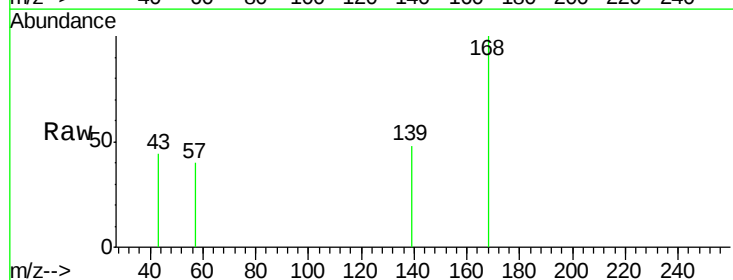
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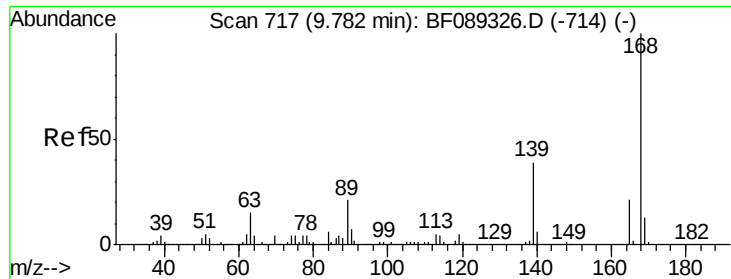
Tgt Ion:163 Resp: 167693
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.3 7.8 11.8



#55
4-Nitrophenol
Concen: 6.52 ng
RT: 9.76 min Scan# 715
Delta R.T. 0.02 min
Lab File: BF089383.D
Acq: 29 Jul 2016 1:08

Tgt Ion:139 Resp: 256
Ion Ratio Lower Upper
139 100
109 0.0 57.8 97.8#
65 0.0 81.7 121.7#

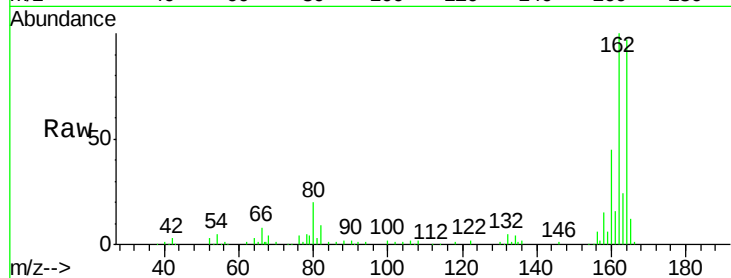




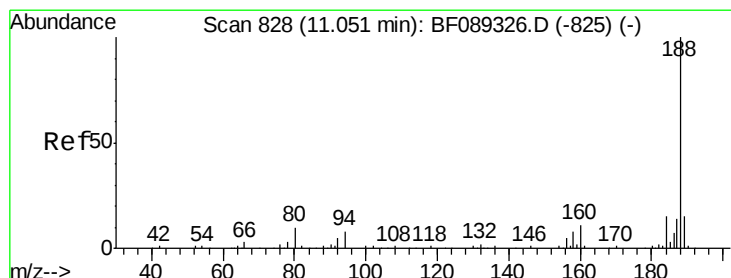
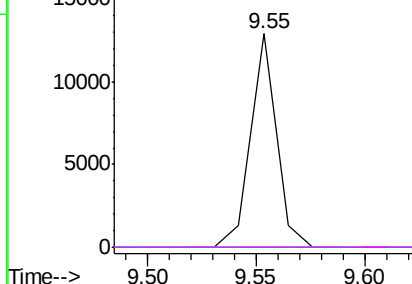
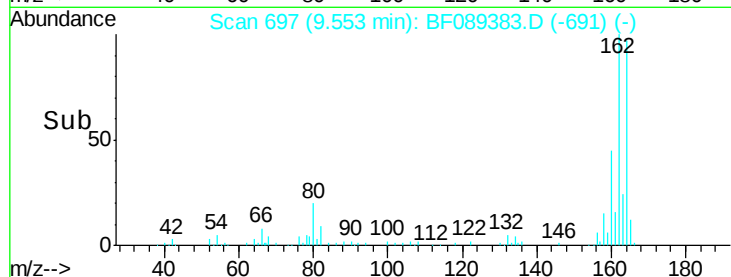
#56
 2,4-Dinitrotoluene
 Concen: 5.93 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.23 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(LOT107S)0-1

Tgt Ion:165 Resp: 10654
 Ion Ratio Lower Upper
 165 100
 63 0.0 58.2 87.2#
 89 0.0 79.1 118.7#
 182 0.0 1.8 2.8#

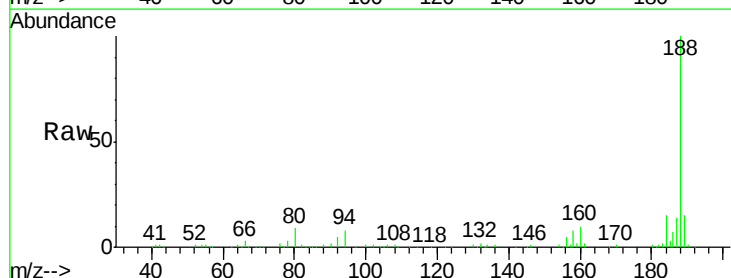


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

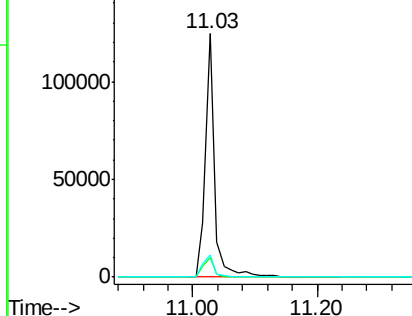
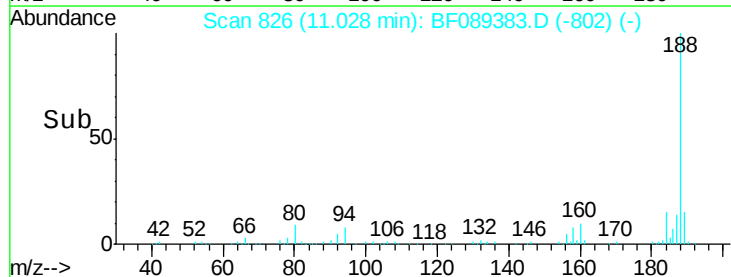


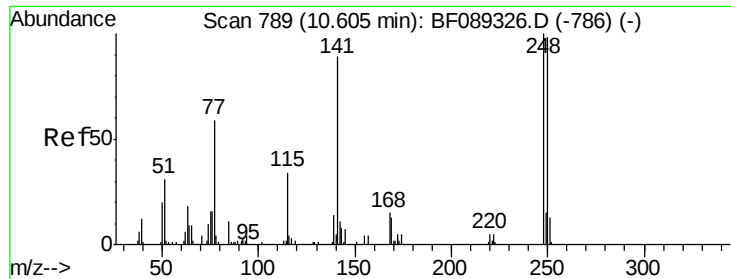
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Tgt Ion:188 Resp: 130479
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.5 9.7
 80 8.9 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

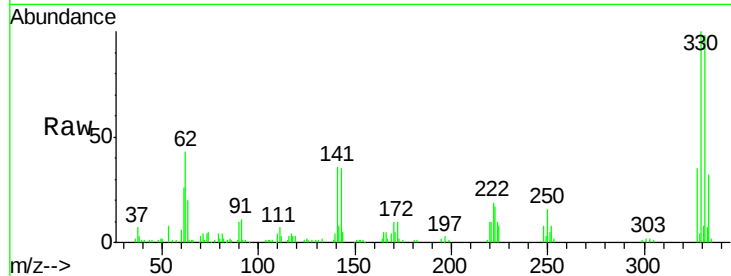




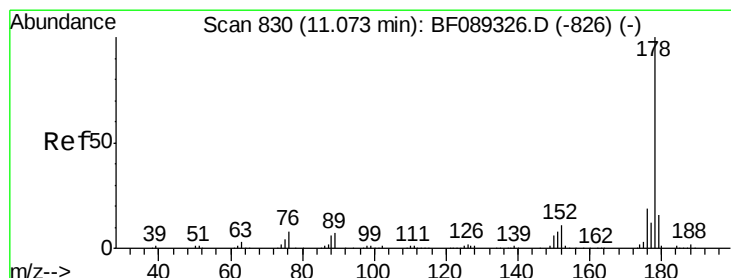
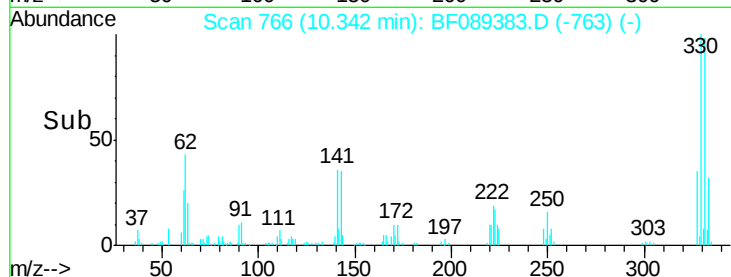
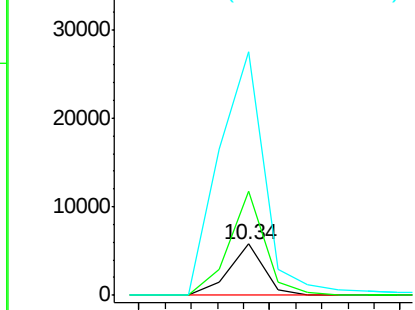
#66
 4-Bromophenyl-phenylether
 Concen: 4.41 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.26 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(LOT107S)0-1

Tgt Ion: 248 Resp: 5488
 Ion Ratio Lower Upper
 248 100
 250 202.7 78.2 117.2#
 141 472.9 62.0 93.0#

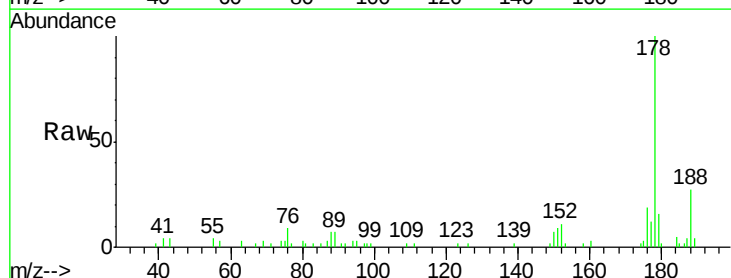


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

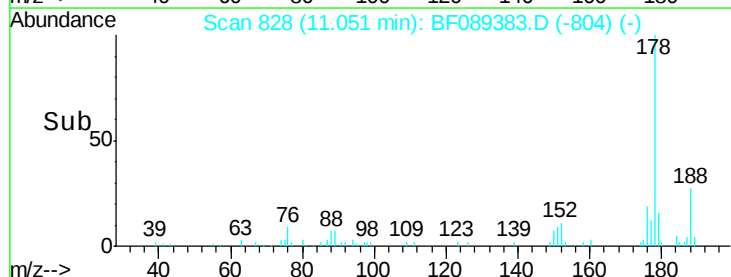
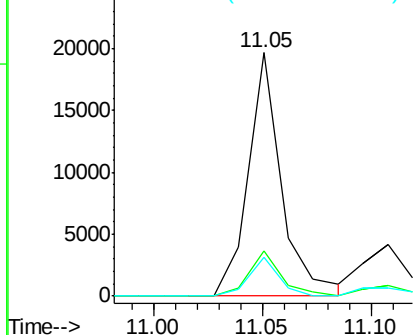


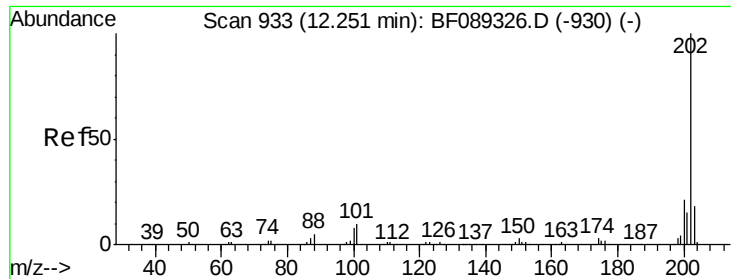
#70
 Phenanthrene
 Concen: 3.12 ng
 RT: 11.05 min Scan# 828
 Delta R.T. -0.02 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Tgt Ion: 178 Resp: 20995
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.5 23.3
 179 15.9 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

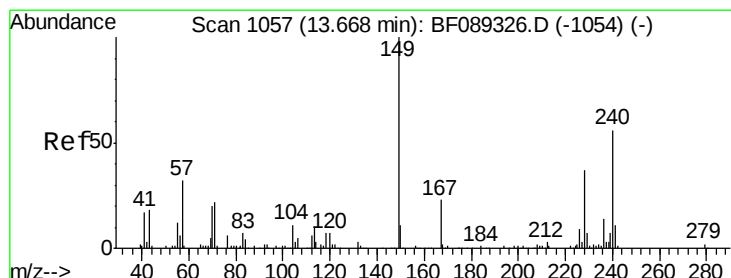
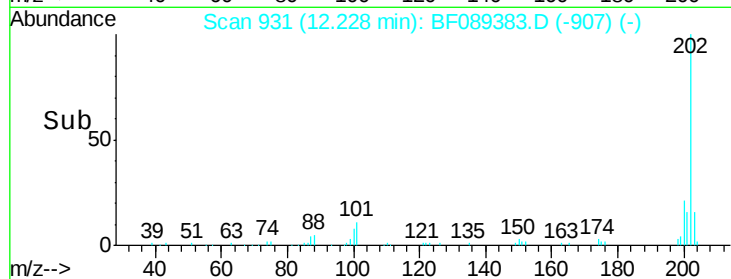
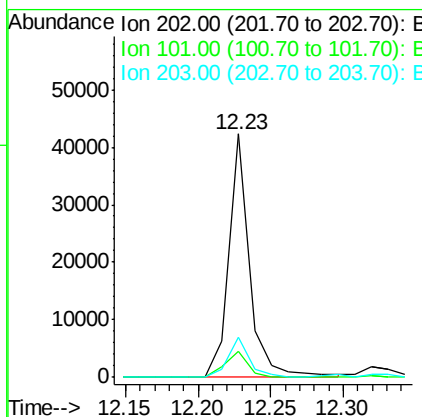
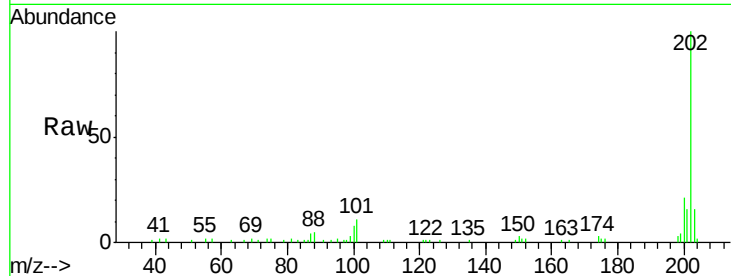




#74
 Fluoranthene
 Concen: 5.97 ng
 RT: 12.23 min Scan# 931
 Delta R.T. -0.02 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

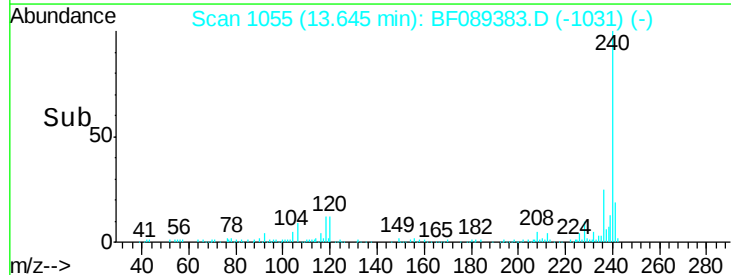
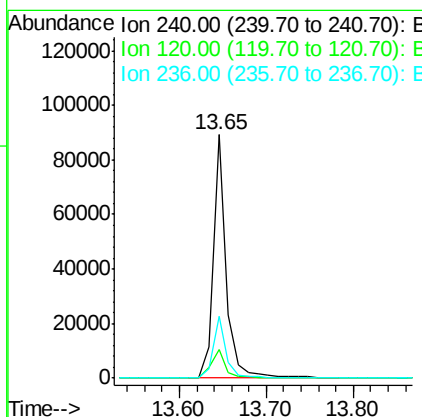
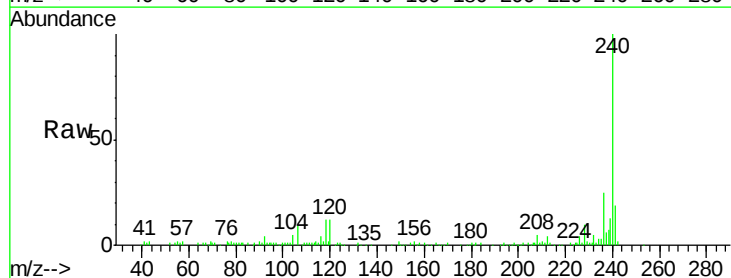
Instrument :
 BNA_F
 ClientSampleId :
 SP-1(LOT107S)0-1

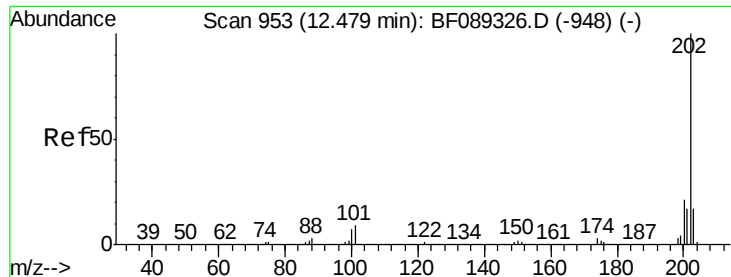
Tgt Ion: 202 Resp: 42276
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 29.9
 203 16.5 0.0 37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.65 min Scan# 1055
 Delta R.T. -0.02 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Tgt Ion: 240 Resp: 92930
 Ion Ratio Lower Upper
 240 100
 120 11.7 9.1 13.7
 236 25.3 20.6 30.8

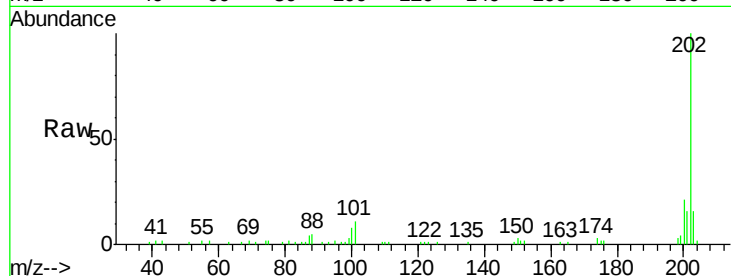




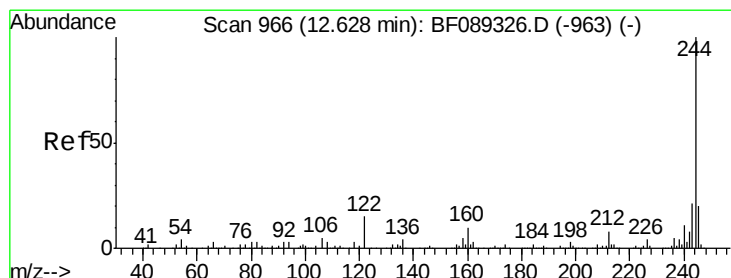
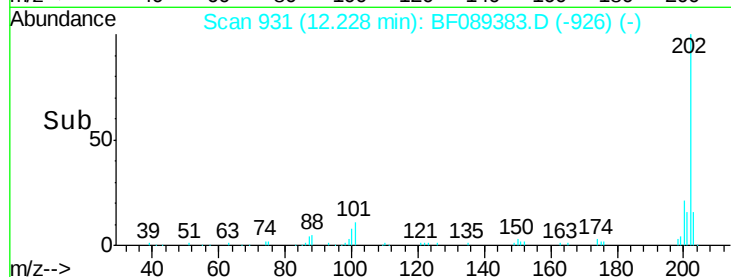
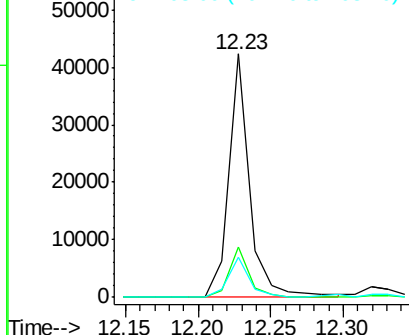
#77
 Pyrene
 Concen: 6.00 ng
 RT: 12.23 min Scan# 931
 Delta R.T. -0.24 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(LOT107S)0-1

Tgt Ion:202 Resp: 42276
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.9 25.3
 203 16.5 14.0 21.0

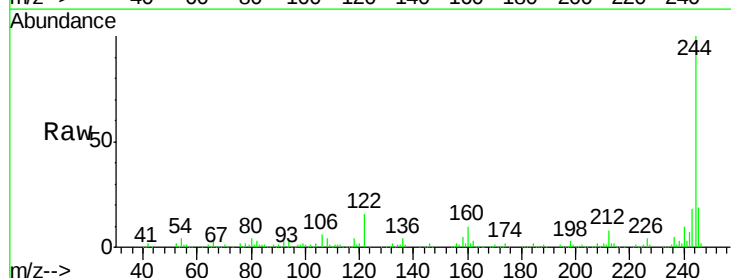


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

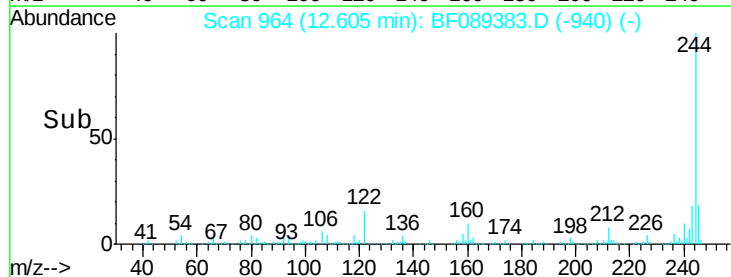
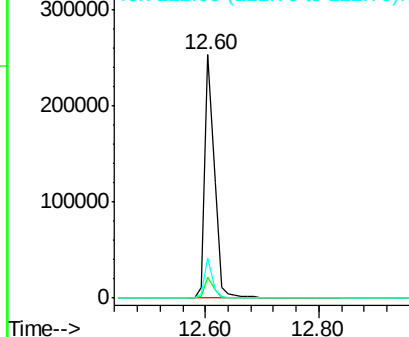


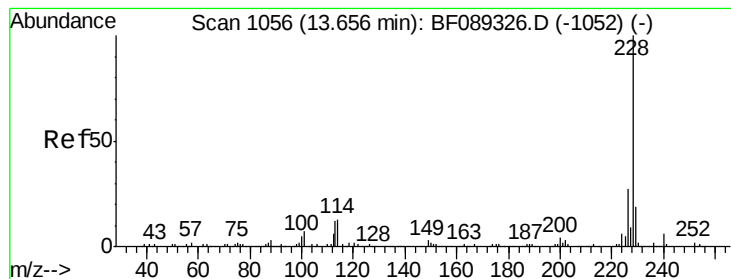
#78
 Terphenyl-d14
 Concen: 71.79 ng
 RT: 12.60 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Tgt Ion:244 Resp: 285033
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.5 9.7
 122 16.3 11.4 17.0



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





#80

Benzo(a)anthracene

Concen: 4.12 ng

RT: 13.67 min Scan# 1057

Delta R.T. 0.01 min

Lab File: BF089383.D

Acq: 29 Jul 2016 1:08

Instrument :

BNA_F

ClientSampleId :

SP-1(LOT107S)0-1

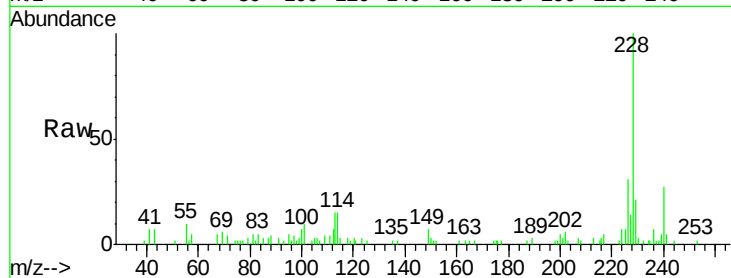
Tgt Ion:228 Resp: 21607

Ion Ratio Lower Upper

228 100

226 31.4 21.4 32.2

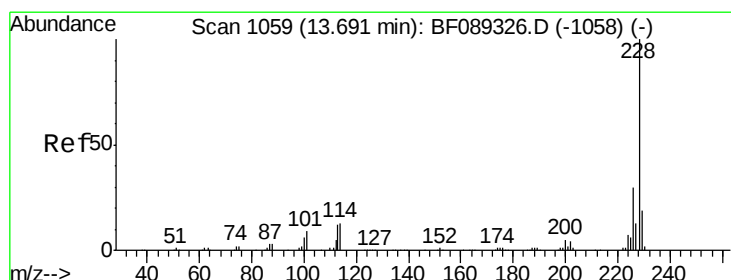
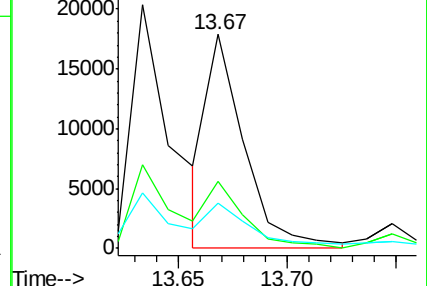
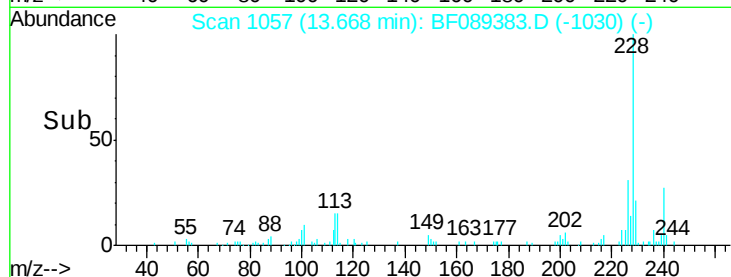
229 21.2 15.9 23.9



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



#82

Chrysene

Concen: 3.87 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF089383.D

Acq: 29 Jul 2016 1:08

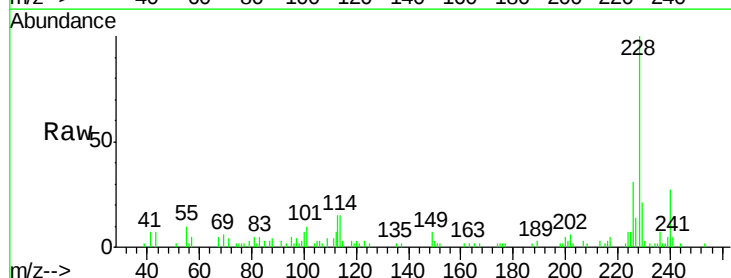
Tgt Ion:228 Resp: 21607

Ion Ratio Lower Upper

228 100

226 31.4 24.2 36.2

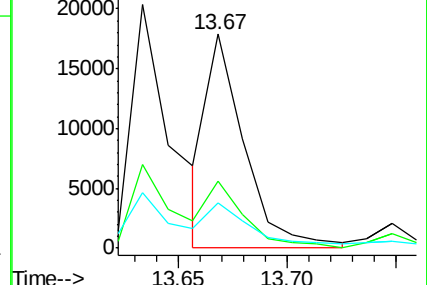
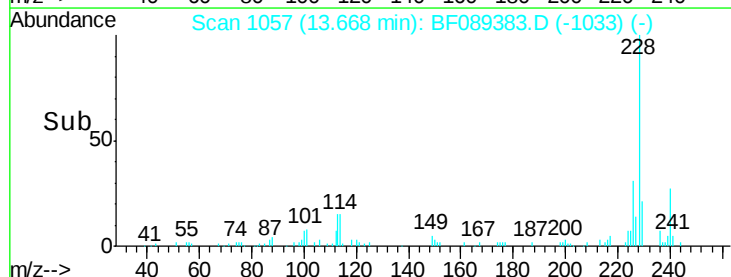
229 21.2 15.9 23.9

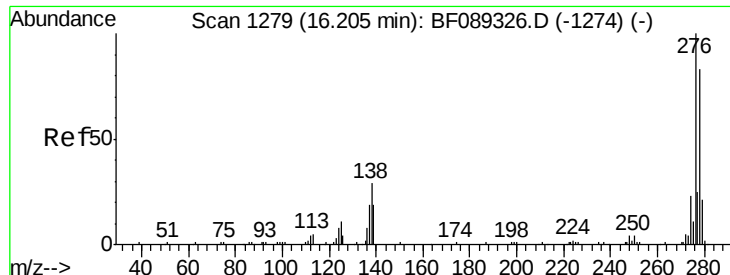


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

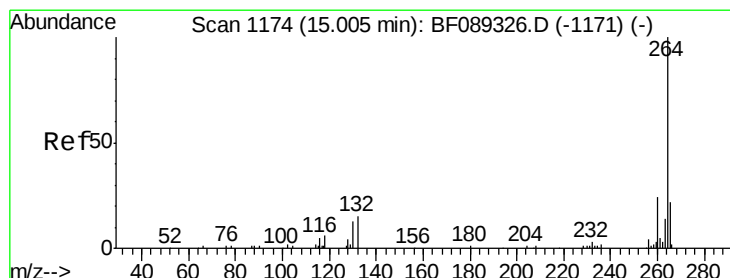
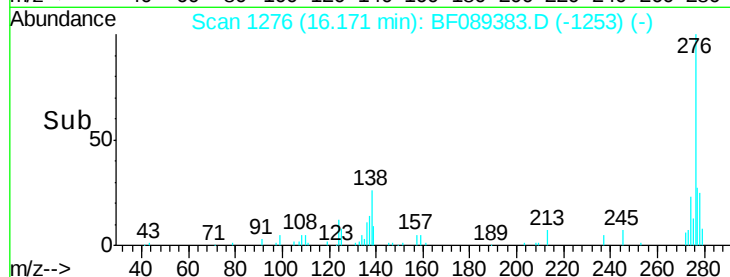
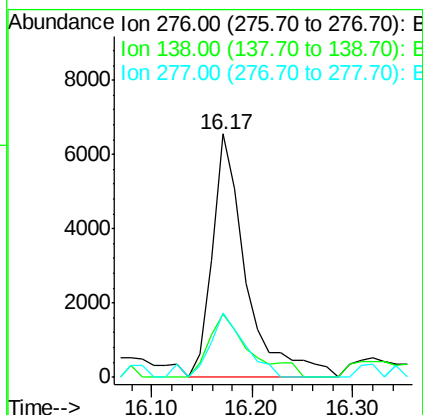
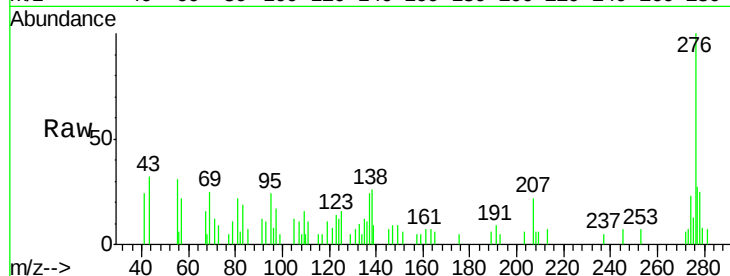




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.82 ng
 RT: 16.17 min Scan# 1276
 Delta R.T. -0.03 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

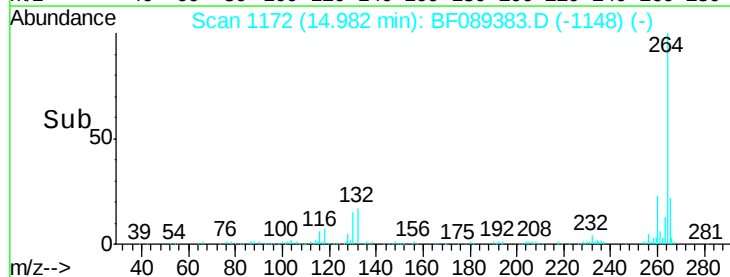
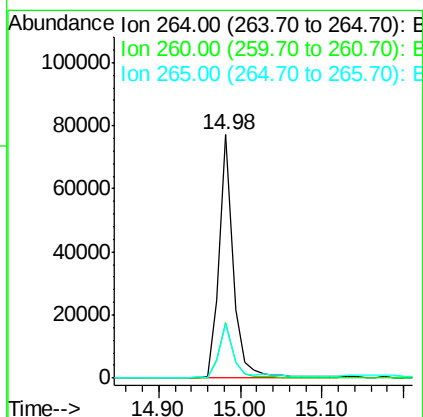
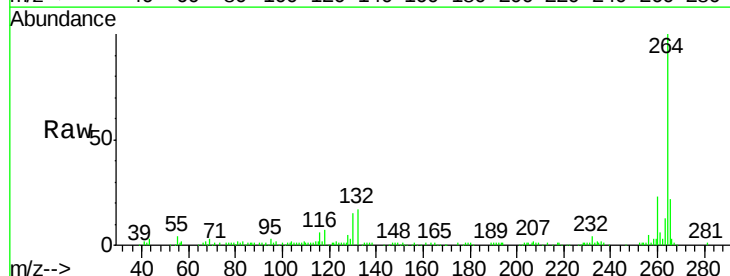
Instrument :
 BNA_F
 ClientSampleId :
 SP-1(LOT107S)0-1

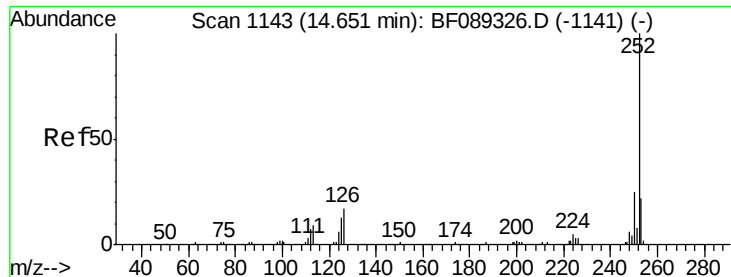
Tgt Ion:276 Resp: 15179
 Ion Ratio Lower Upper
 276 100
 138 31.2 23.0 34.4
 277 28.3 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF089383.D
 Acq: 29 Jul 2016 1:08

Tgt Ion:264 Resp: 94503
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.4
 265 22.5 17.5 26.3

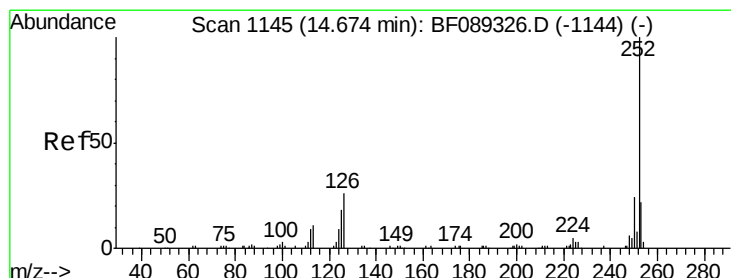
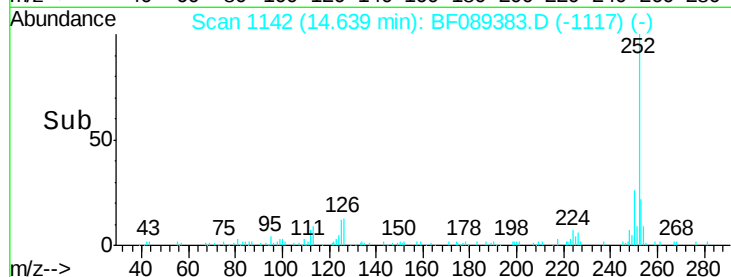
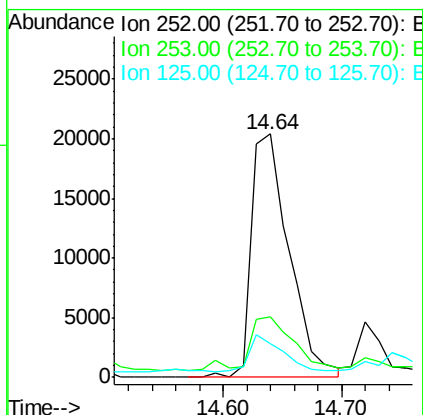
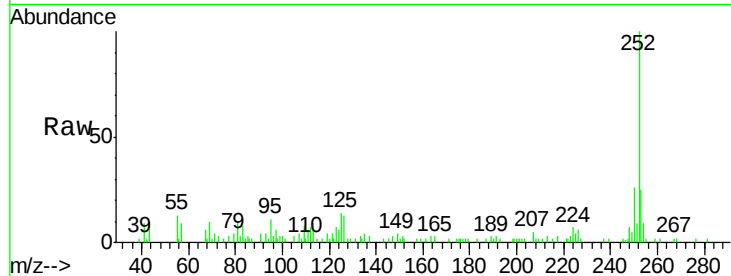




#87
Benzo(b)fluoranthene
Concen: 7.70 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089383.D
Acq: 29 Jul 2016 1:08

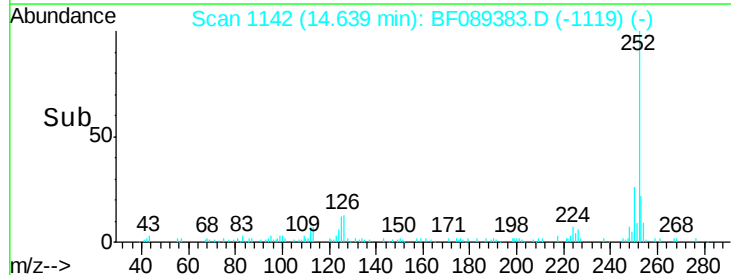
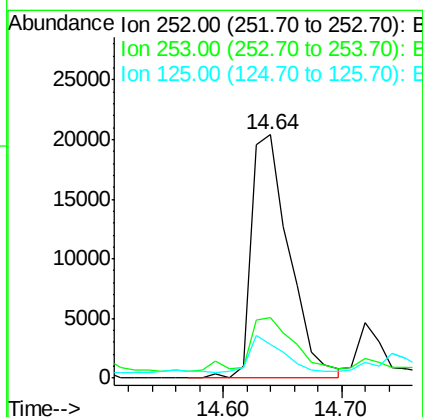
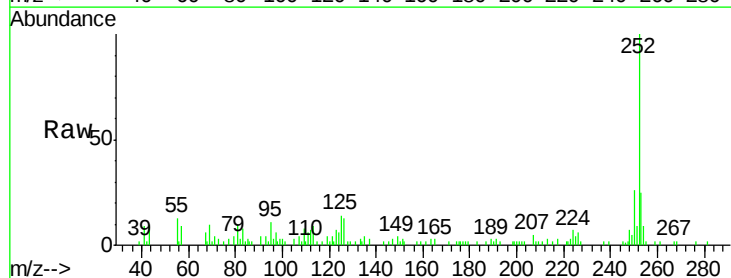
Instrument :
BNA_F
ClientSampleId :
SP-1(LOT107S)0-1

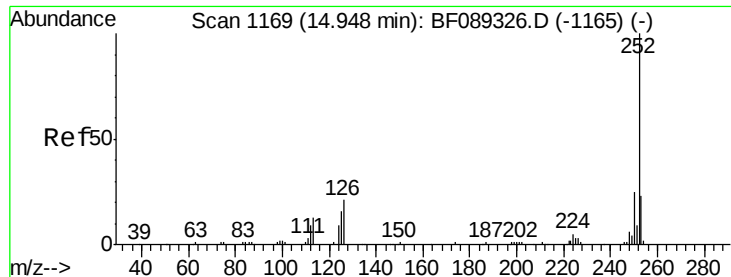
Tgt Ion:252 Resp: 45212
Ion Ratio Lower Upper
252 100
253 25.1 17.2 25.8
125 13.9 9.7 14.5



#88
Benzo(k)fluoranthene
Concen: 8.38 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.03 min
Lab File: BF089383.D
Acq: 29 Jul 2016 1:08

Tgt Ion:252 Resp: 45212
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 13.9 10.7 16.1





#89

Benzo(a)pyrene

Concen: 4.20 ng

RT: 14.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF089383.D

Acq: 29 Jul 2016 1:08

Instrument :

BNA_F

ClientSampleId :

SP-1(LOT107S)0-1

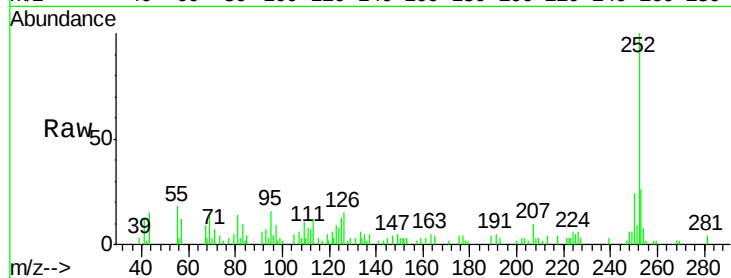
Tgt Ion:252 Resp: 22089

Ion Ratio Lower Upper

252 100

253 25.6 17.4 26.2

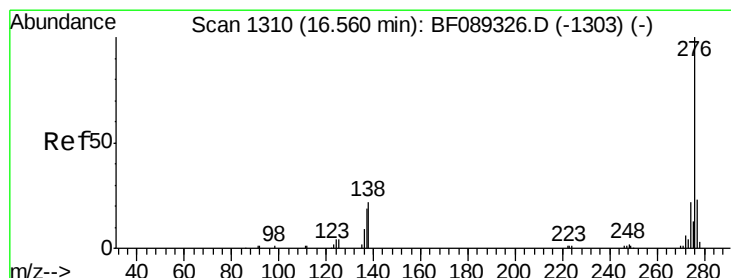
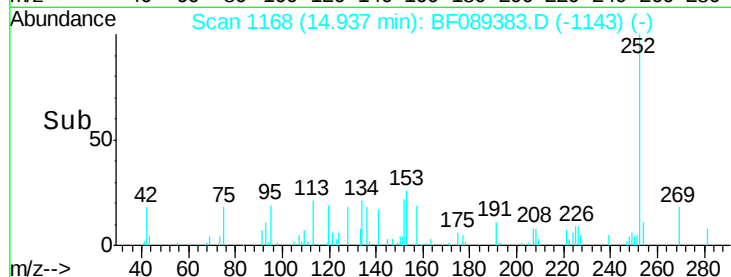
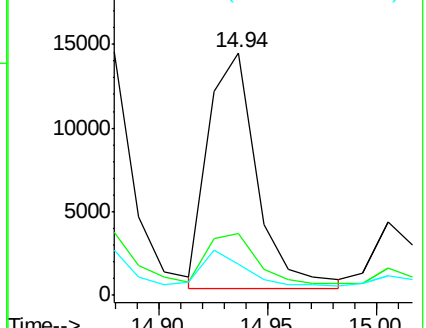
125 12.9 12.4 18.6



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: 3.18 ng

RT: 16.53 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF089383.D

Acq: 29 Jul 2016 1:08

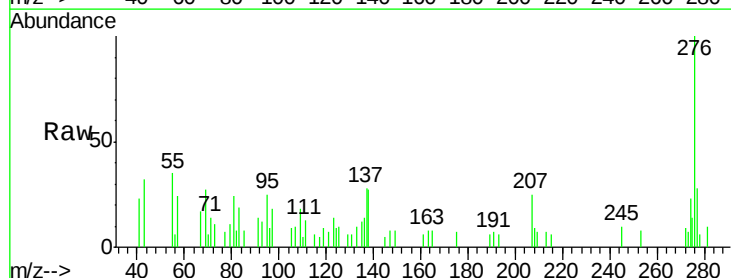
Tgt Ion:276 Resp: 12946

Ion Ratio Lower Upper

276 100

277 27.9 18.6 28.0

138 26.9 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

