

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083116\
 Data File : BF089949.D
 Acq On : 31 Aug 2016 14:40
 Operator : UM/SJ
 Sample : H4617-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 415LSB4(1-5)

Quant Time: Aug 31 15:20:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 11:55:18 2016
 Response via : Initial Calibration

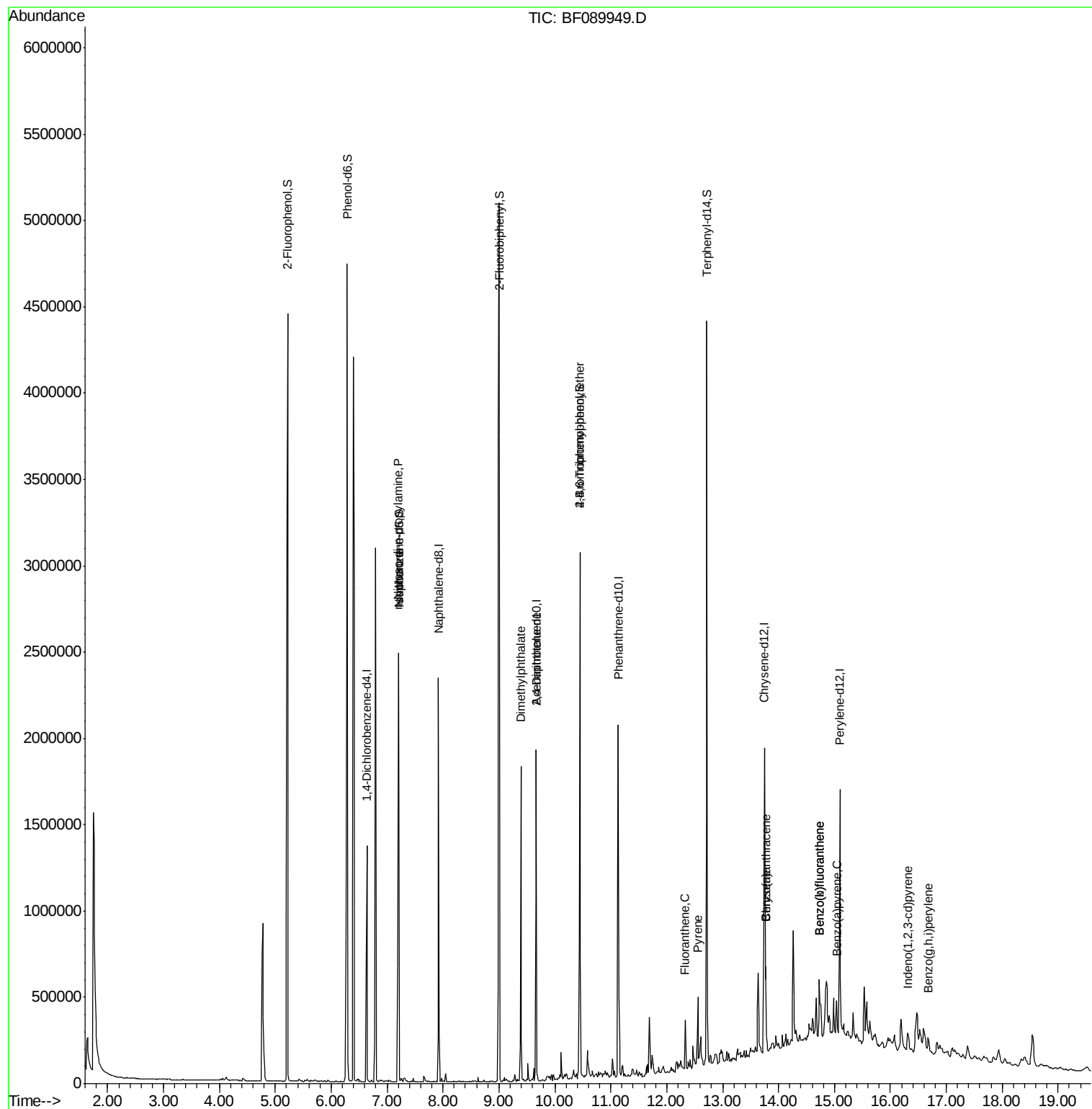
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	247651	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	953520	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	468625	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	746955	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	581018	20.00	ng	-0.01
86) Perylene-d12	15.10	264	596031	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1690005	109.23	ng	0.01
7) Phenol-d6	6.28	99	2029079	107.93	ng	0.01
23) Nitrobenzene-d5	7.21	82	1288031	78.34	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	391982	84.78	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	2222936	77.87	ng	0.00
78) Terphenyl-d14	12.72	244	1415327	60.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	168084	13.72	ng	# 83
25) Isophorone	7.21	82	1131583	33.85	ng	# 65
49) Dimethylphthalate	9.39	163	680228	20.08	ng	100
56) 2,4-Dinitrotoluene	9.67	165	62067	6.50	ng	# 30
66) 4-Bromophenyl-phenylether	10.44	248	25431	3.38	ng	# 1
74) Fluoranthene	12.33	202	111975	2.87	ng	96
77) Pyrene	12.56	202	146057	3.57	ng	96
80) Benzo(a)anthracene	13.77	228	284820	8.00	ng	97
82) Chrysene	13.77	228	284820	8.57	ng	98
85) Indeno(1,2,3-cd)pyrene	16.31	276	69059	2.81	ng	96
87) Benzo(b)fluoranthene	14.73	252	223280	5.98	ng	# 96
88) Benzo(k)fluoranthene	14.73	252	223280	7.05	ng	# 97
89) Benzo(a)pyrene	15.04	252	87232	2.73	ng	# 96
91) Benzo(a,h,i)perylene	16.67	276	66154	2.80	ng	# 88

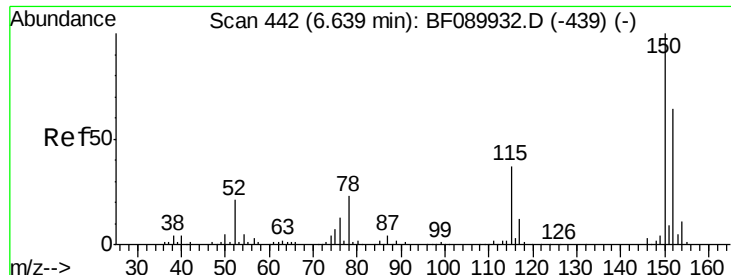
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

415LSB4(1-5)

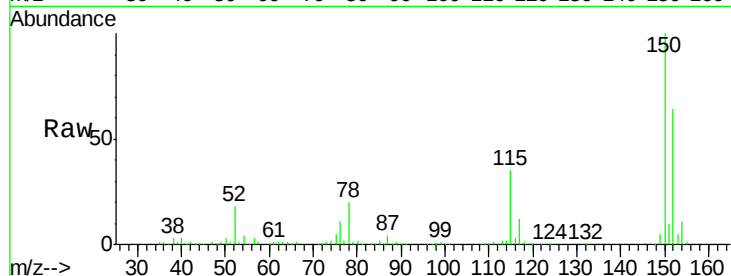
Tot Ion:152 Resp: 247651

Ion Ratio Lower Upper

152 100

150 155.4 127.4 191.2

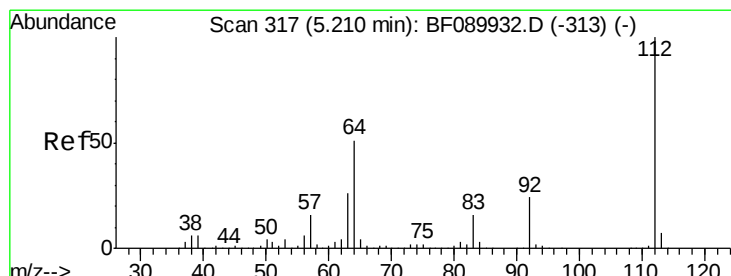
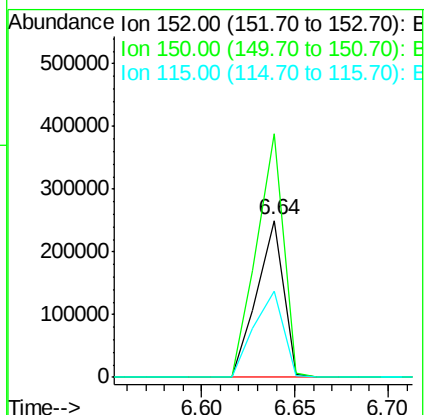
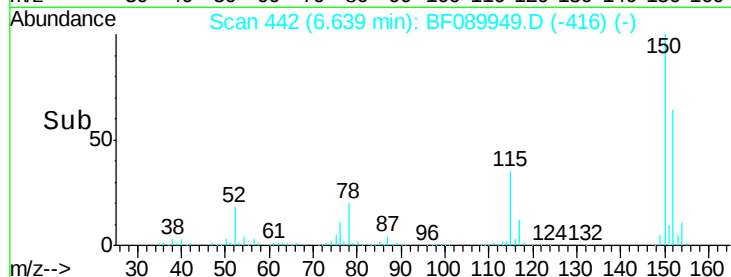
115 54.8 46.3 69.5



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: 109.23 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.01 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

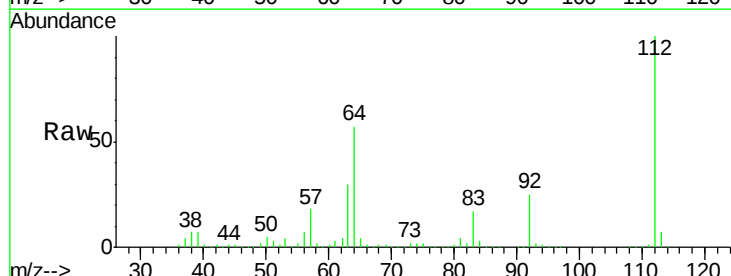
Tgt Ion:112 Resp: 1690005

Ion Ratio Lower Upper

112 100

64 57.4 41.1 61.7

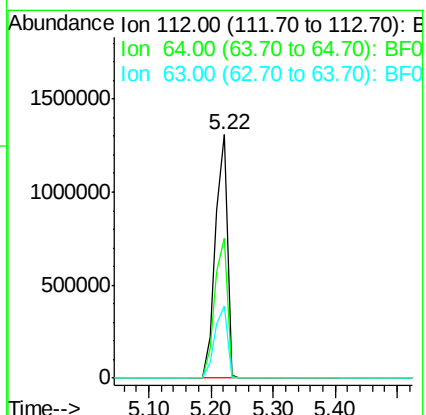
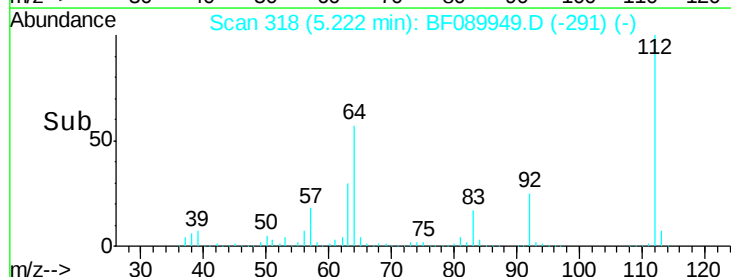
63 29.9 21.2 31.8

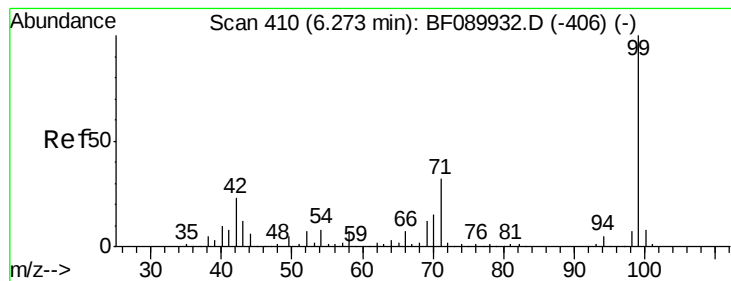


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.93 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

415LSB4(1-5)

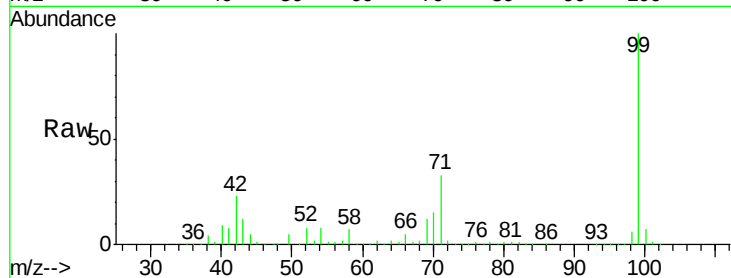
Tot Ion: 99 Resp: 2029079

Ion Ratio Lower Upper

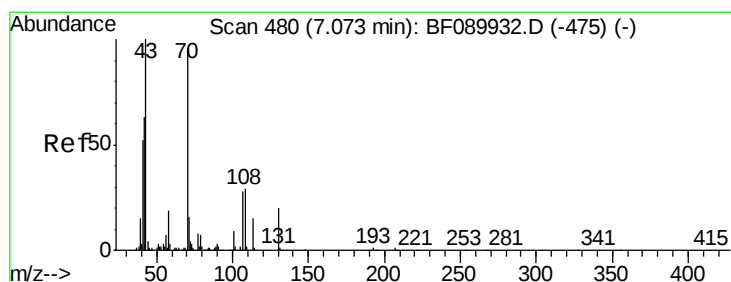
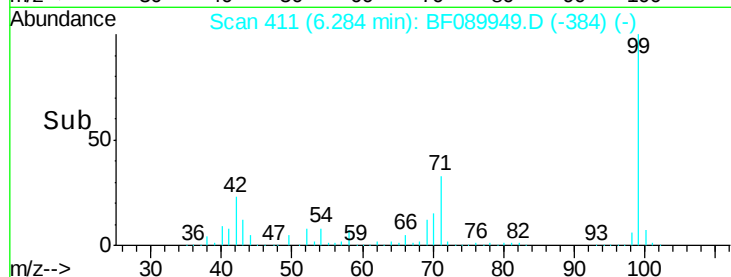
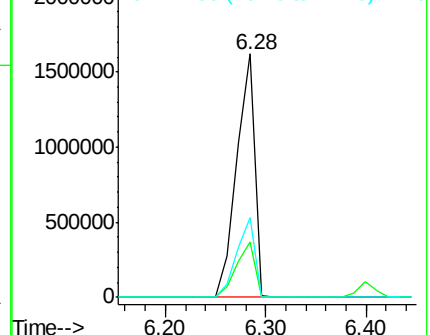
99 100

42 22.8 18.6 27.8

71 32.8 25.8 38.6



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: 13.72 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.13 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Tgt Ion: 70 Resp: 168084

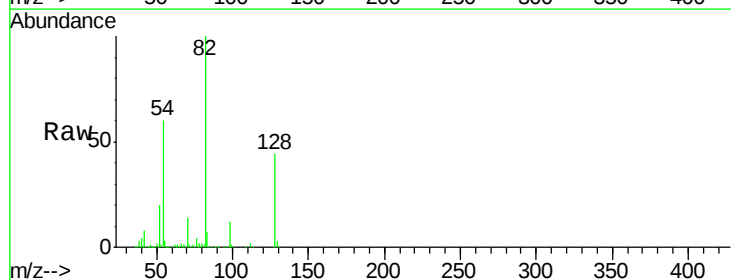
Ion Ratio Lower Upper

70 100

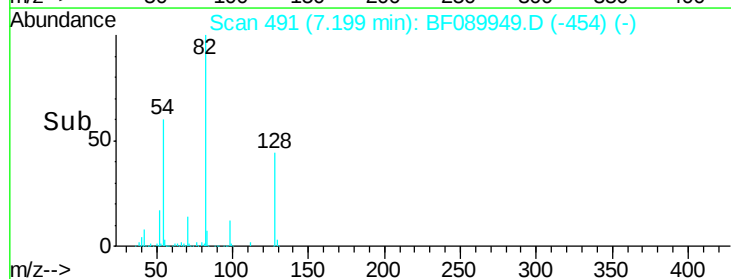
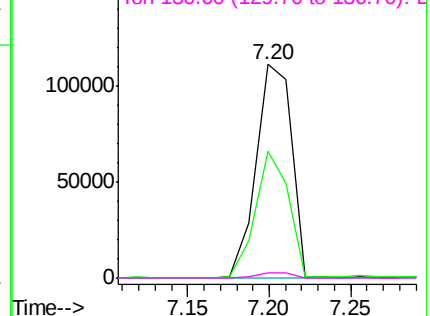
42 59.1 52.1 78.1

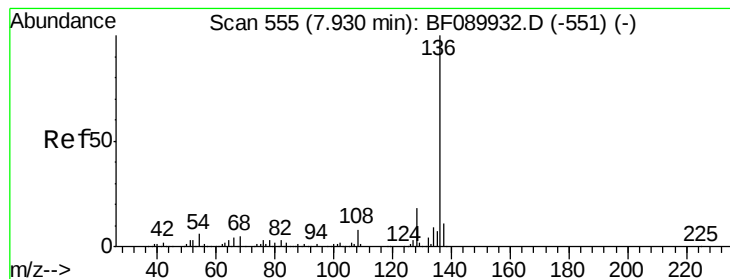
101 0.0 7.4 11.2#

130 2.2 17.0 25.4#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

415LSB4(1-5)

Tot Ion:136 Resp: 953520

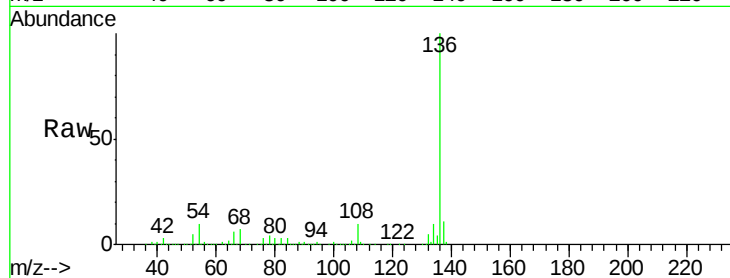
Ion Ratio Lower Upper

136 100

137 11.3 8.3 12.5

54 10.2 4.8 7.2#

68 6.9 3.7 5.5#

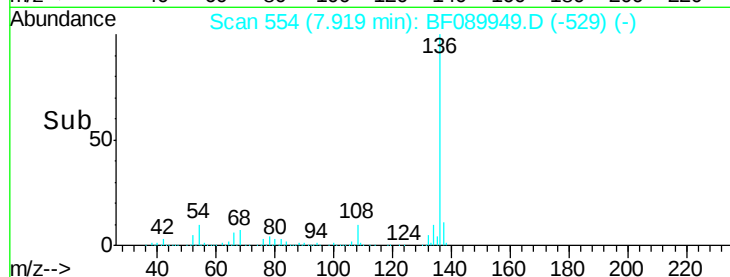


Abundance Ion 136.00 (135.70 to 136.70): E

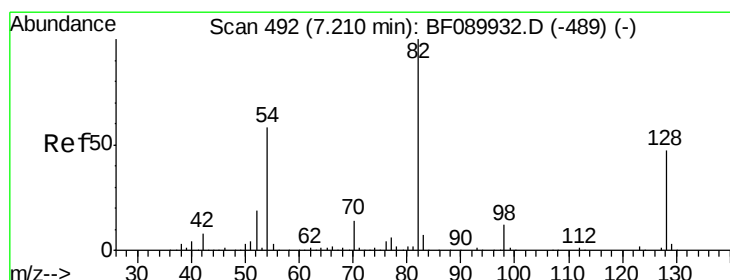
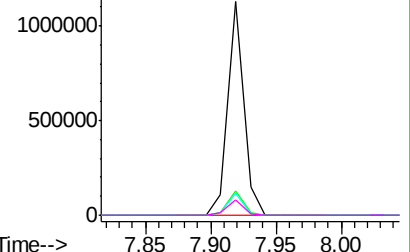
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 78.34 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.00 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

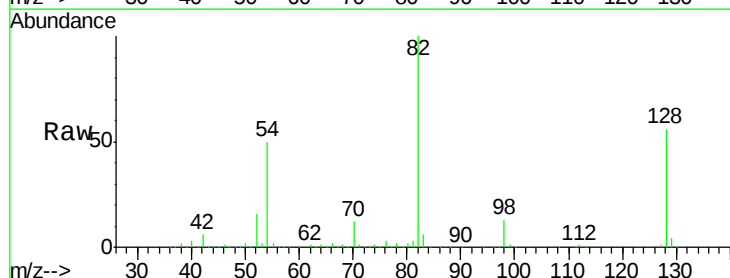
Tgt Ion: 82 Resp: 1288031

Ion Ratio Lower Upper

82 100

128 56.1 37.8 56.8

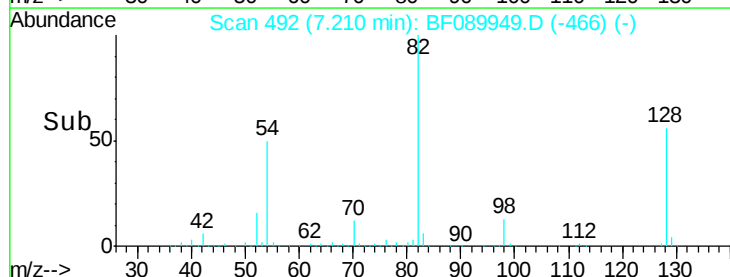
54 49.6 46.9 70.3



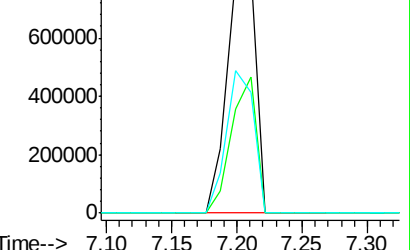
Abundance Ion 82.00 (81.70 to 82.70): BF0

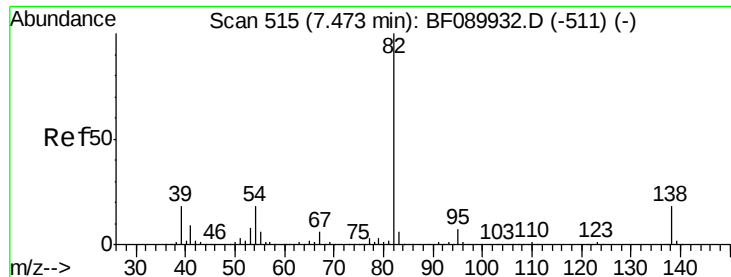
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 33.85 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.26 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

415LSB4(1-5)

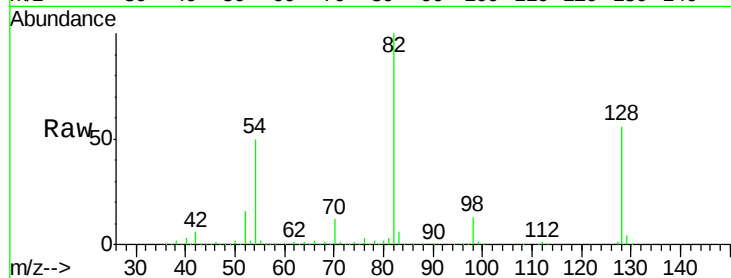
Tot Ion: 82 Resp: 1131583

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

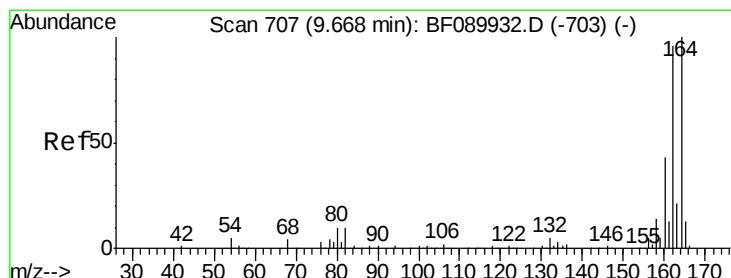
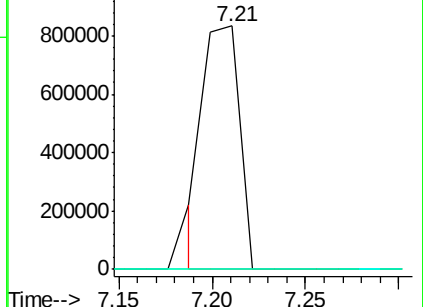
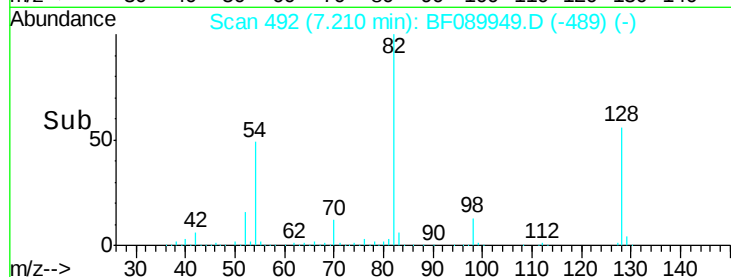
138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF089949.D (-489) (-)

Ion 95.00 (94.70 to 95.70): BF089949.D (-489) (-)

Ion 138.00 (137.70 to 138.70): BF089949.D (-489) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

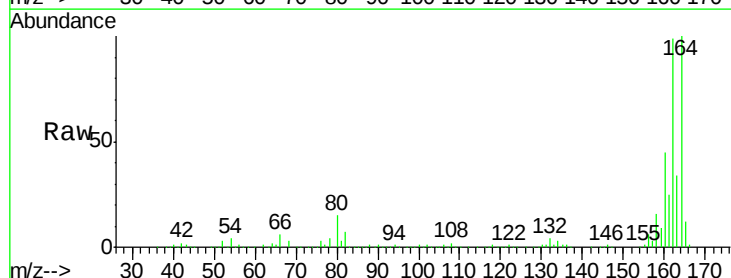
Tgt Ion: 164 Resp: 468625

Ion Ratio Lower Upper

164 100

162 99.1 77.1 115.7

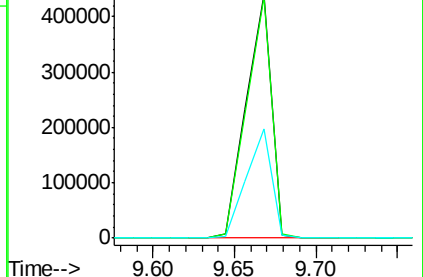
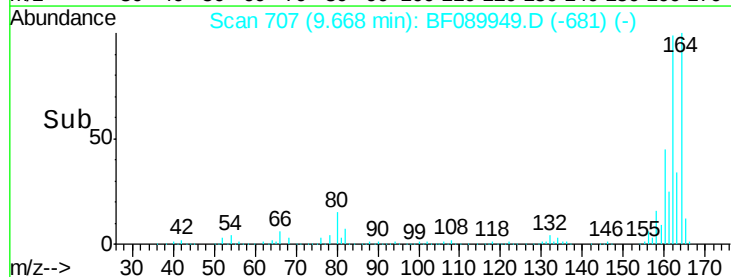
160 44.7 35.3 52.9

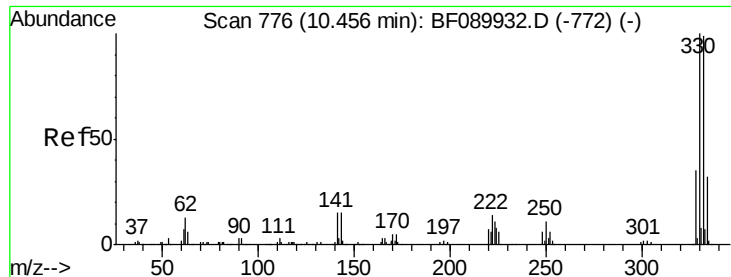


Abundance Ion 164.00 (163.70 to 164.70): BF089949.D (-681) (-)

Ion 162.00 (161.70 to 162.70): BF089949.D (-681) (-)

Ion 160.00 (159.70 to 160.70): BF089949.D (-681) (-)

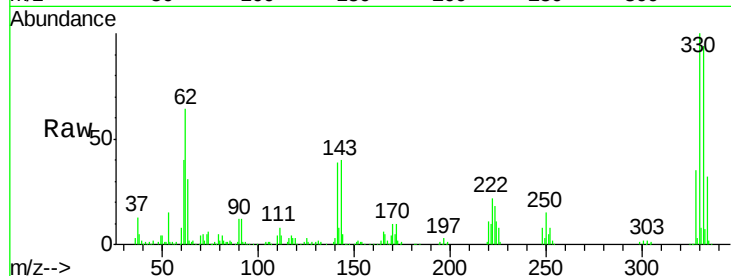




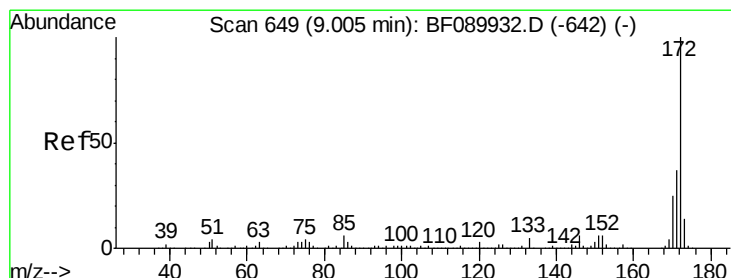
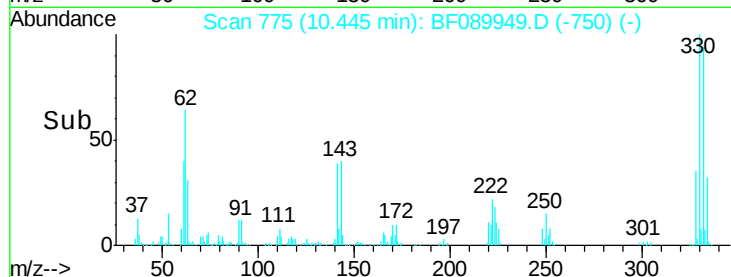
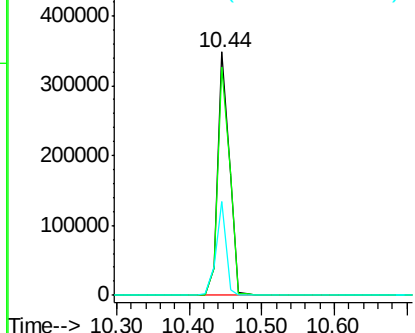
#41
 2,4,6-Tribromophenol
 Concen: 84.78 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF089949.D
 Acq: 31 Aug 2016 14:40

Instrument :
 BNA_F
 ClientSampleId :
 415LSB4(1-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.6	117.8
141	33.1	23.3	34.9

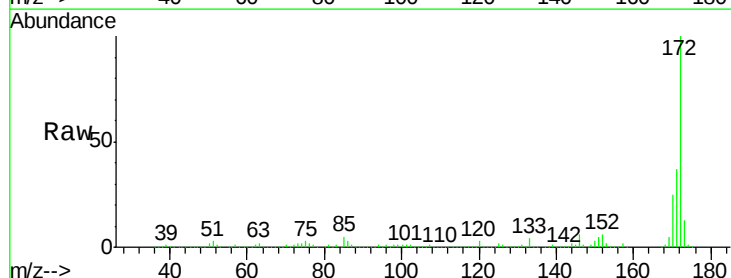


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

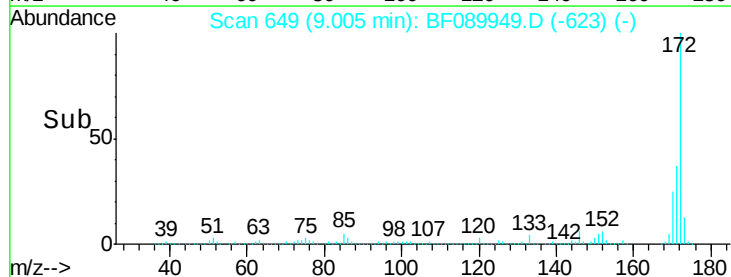
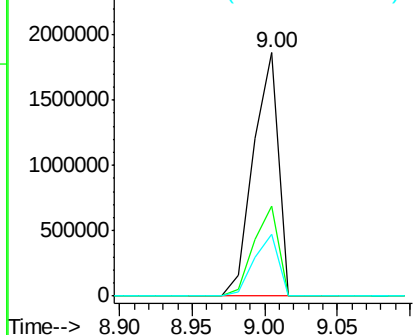


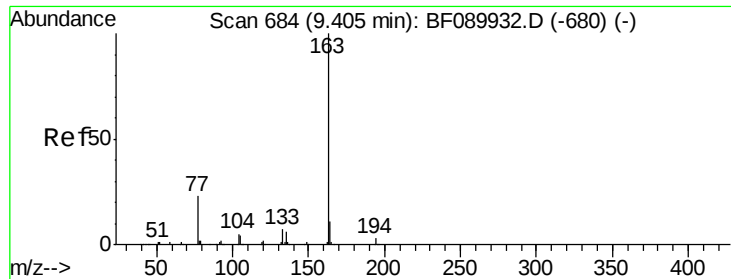
#44
 2-Fluorobiphenyl
 Concen: 77.87 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF089949.D
 Acq: 31 Aug 2016 14:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.2
170	25.2	20.1	30.1



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

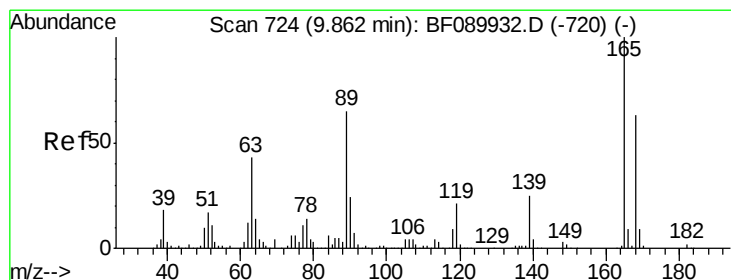
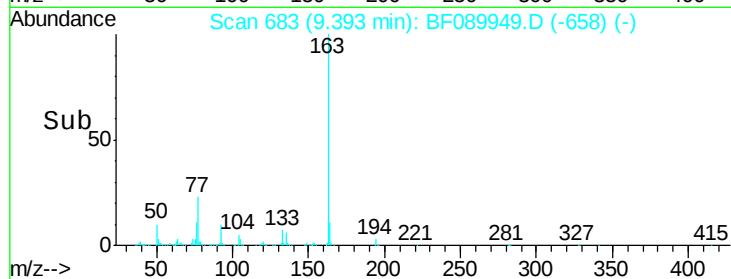
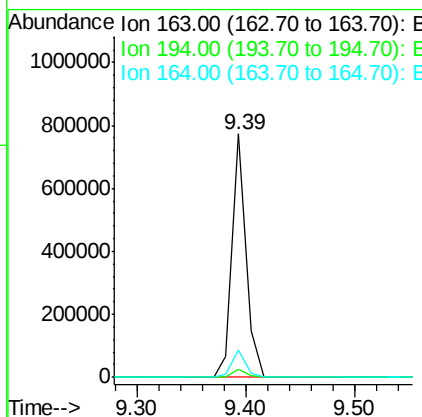
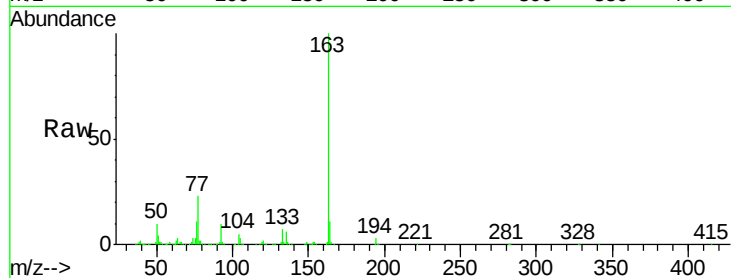




#49
Dimethylphthalate
Concen: 20.08 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

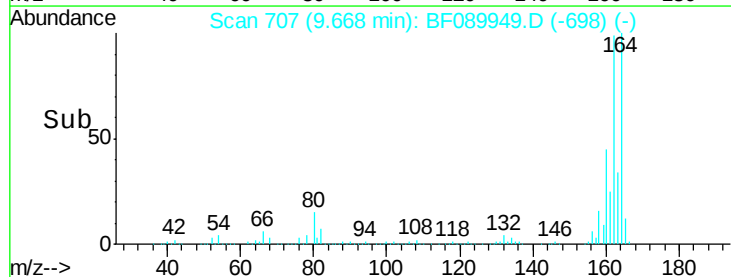
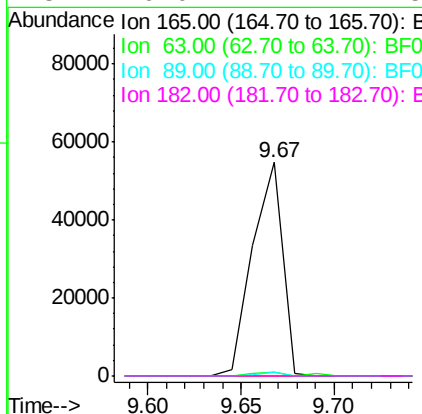
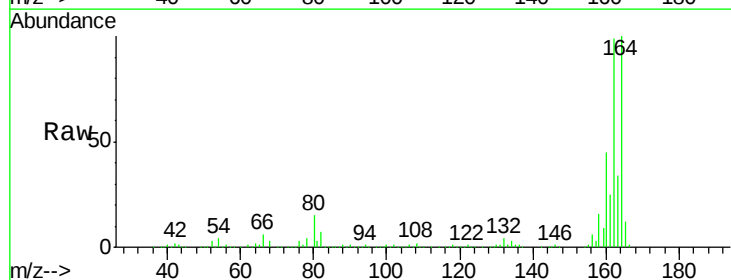
Instrument :
BNA_F
ClientSampleId :
415LSB4(1-5)

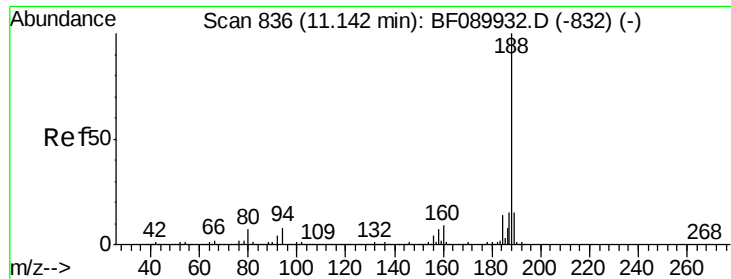
Tot Ion:163 Resp: 680228
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 11.2 9.0 13.4



#56
2,4-Dinitrotoluene
Concen: 6.50 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.19 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

Tgt Ion:165 Resp: 62067
Ion Ratio Lower Upper
165 100
63 1.6 32.5 48.7#
89 1.5 48.3 72.5#
182 0.0 1.7 2.5#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

415LSB4(1-5)

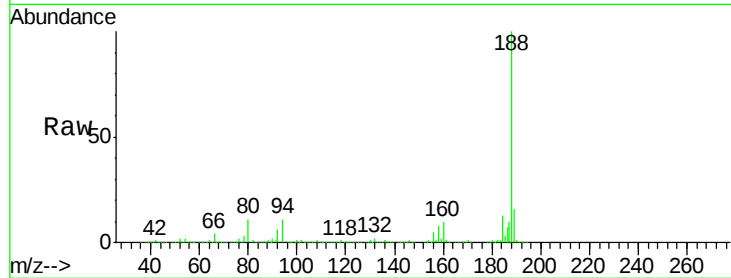
Tot Ion:188 Resp: 746955

Ion Ratio Lower Upper

188 100

94 11.3 5.9 8.9#

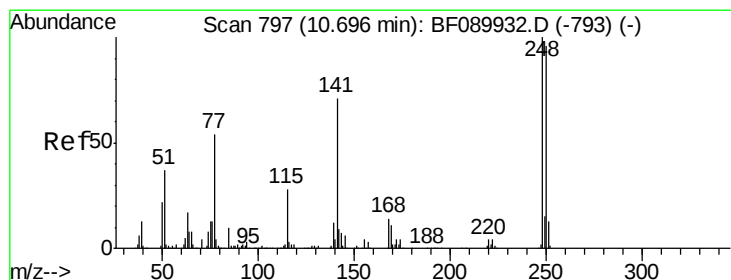
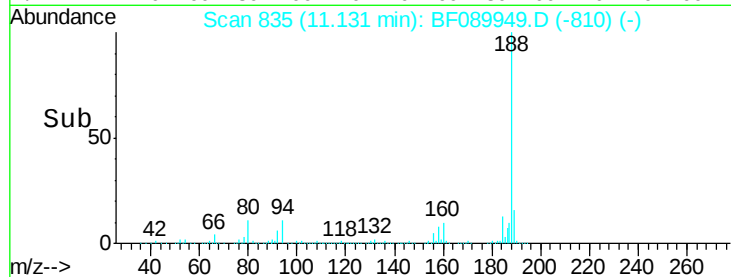
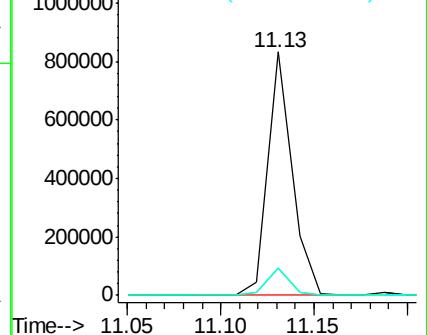
80 11.4 5.8 8.8#



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: 3.38 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.25 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

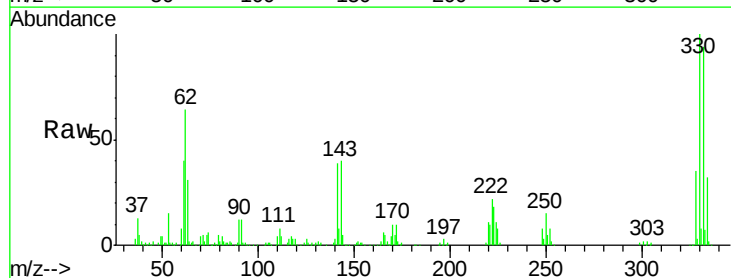
Tgt Ion:248 Resp: 25431

Ion Ratio Lower Upper

248 100

250 194.6 77.3 115.9#

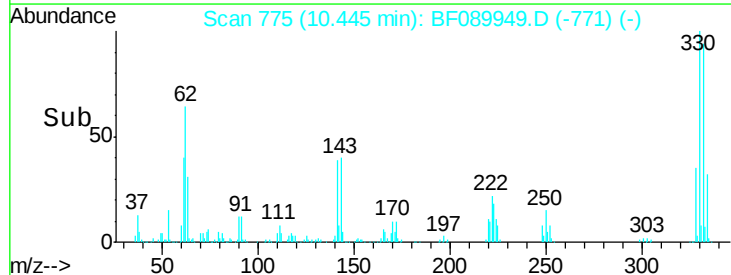
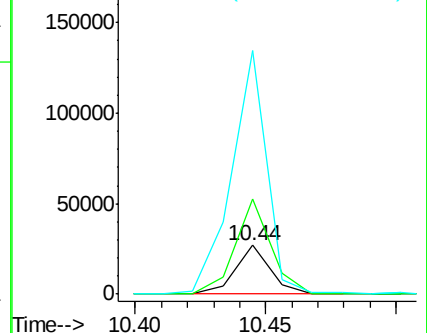
141 497.0 55.8 83.8#

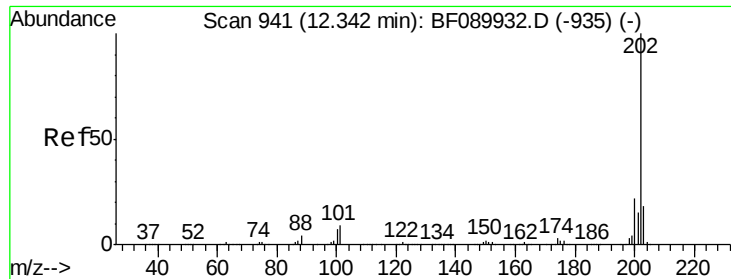


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.87 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

415LSB4(1-5)

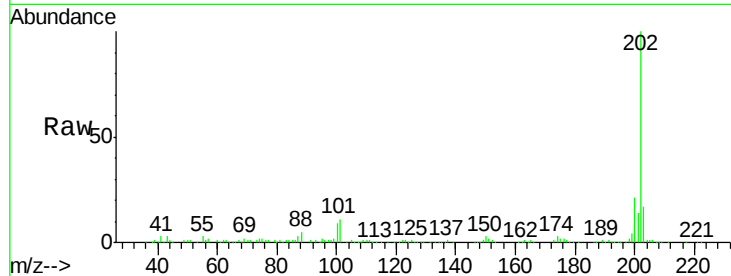
Tot Ion:202 Resp: 111975

Ion Ratio Lower Upper

202 100

101 11.4 0.0 28.5

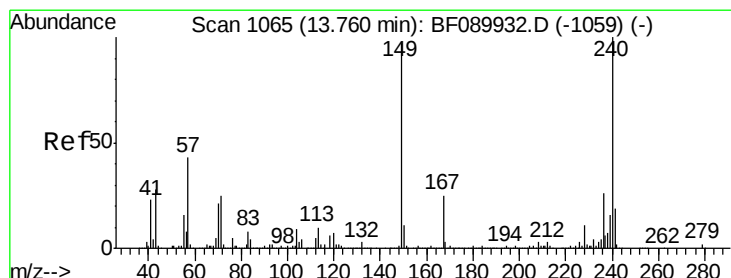
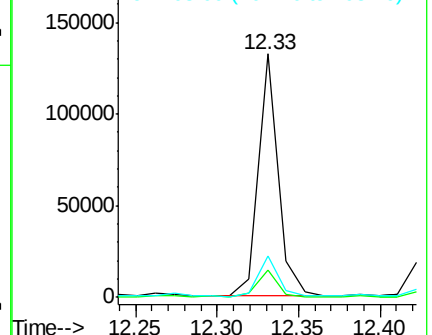
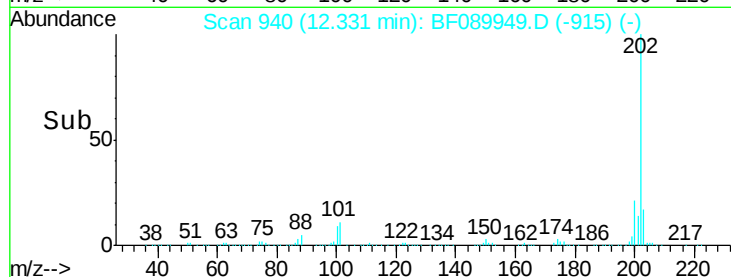
203 17.1 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

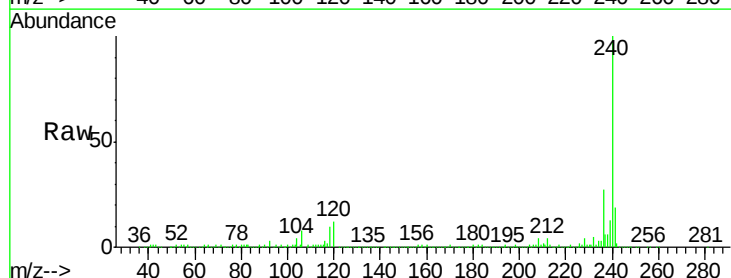
Tgt Ion:240 Resp: 581018

Ion Ratio Lower Upper

240 100

120 11.9 5.7 8.5#

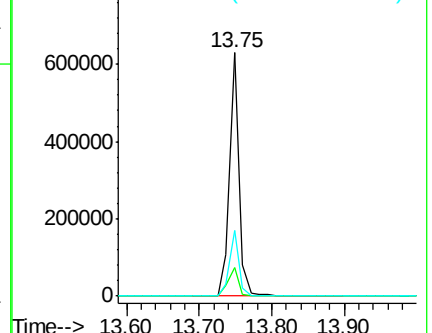
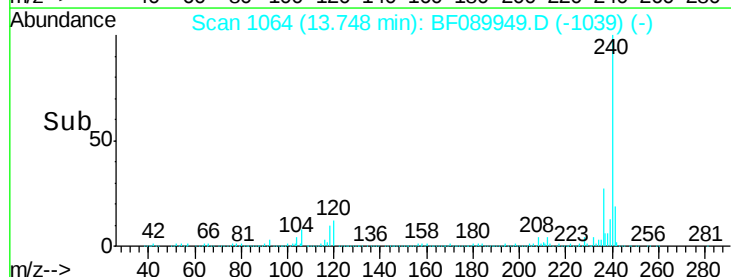
236 27.1 21.3 31.9

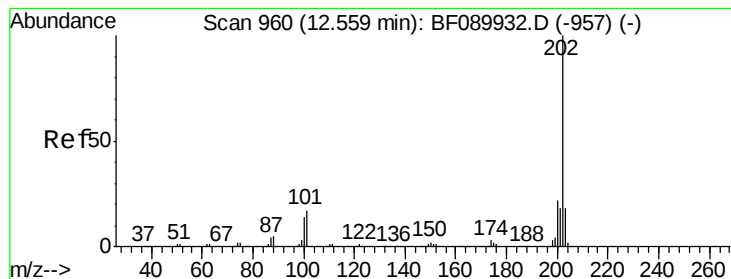


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.57 ng

RT: 12.56 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

415LSB4(1-5)

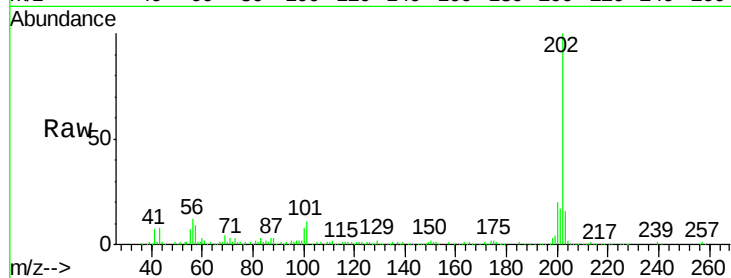
Tot Ion:202 Resp: 146057

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

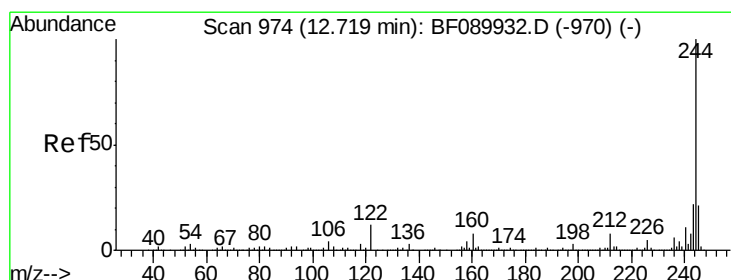
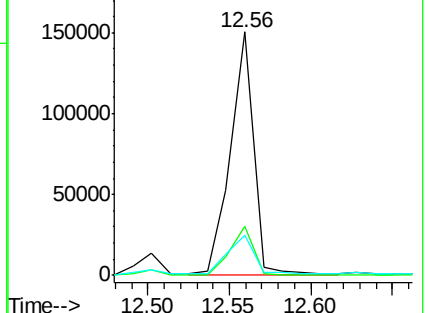
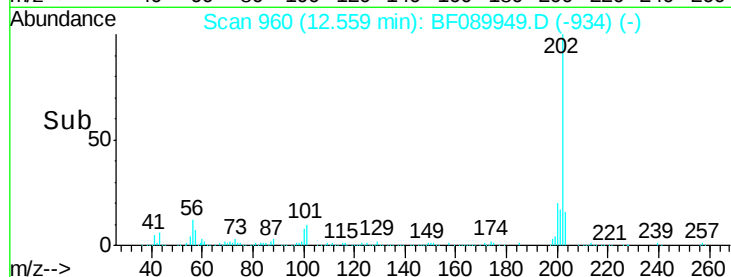
203 16.3 14.6 21.8



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: 60.17 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

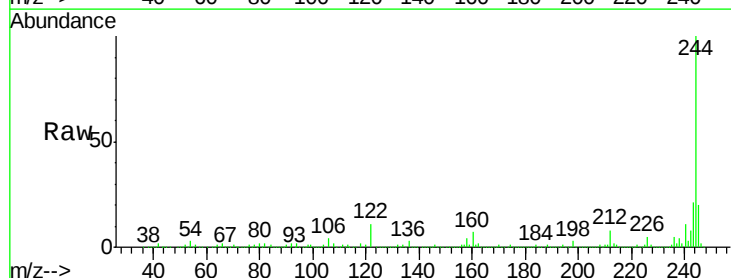
Tgt Ion:244 Resp: 1415327

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

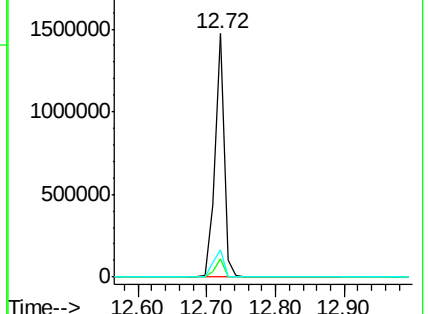
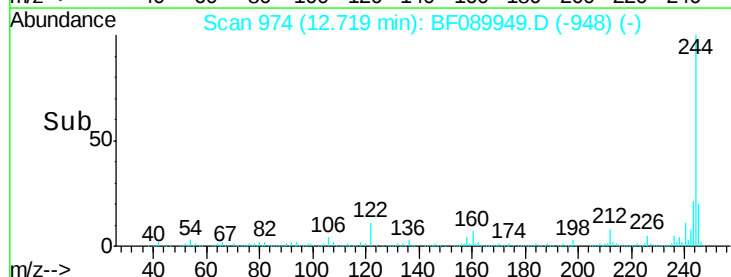
122 11.1 9.6 14.4

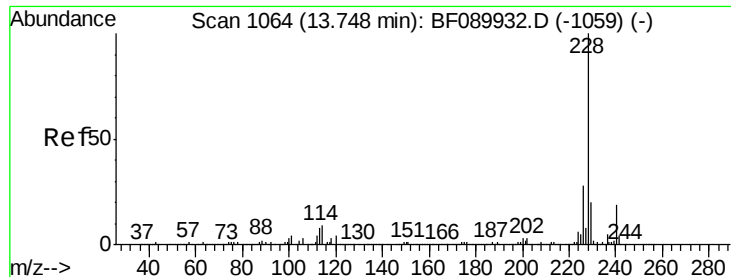


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. 0.02 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

415LSB4(1-5)

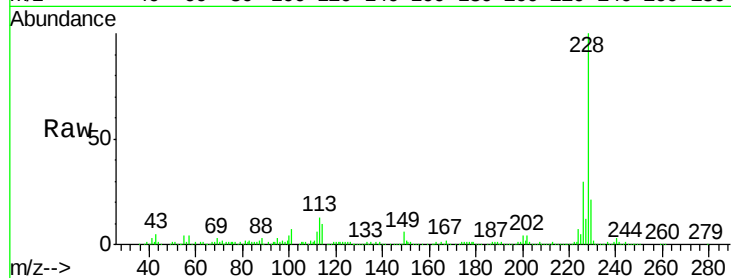
Tot Ion:228 Resp: 284820

Ion Ratio Lower Upper

228 100

226 29.8 22.2 33.2

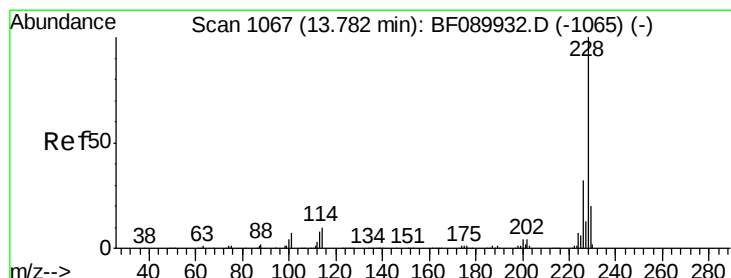
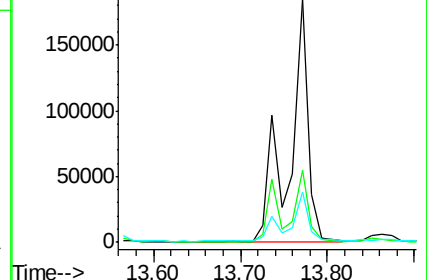
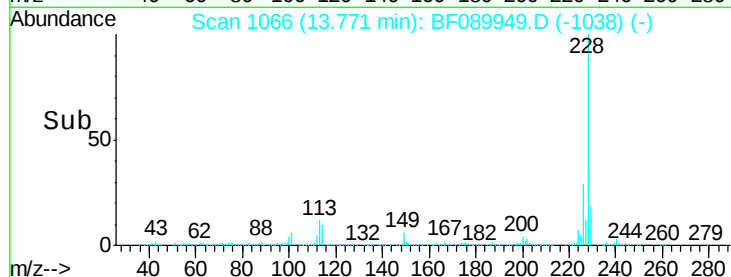
229 20.5 15.8 23.6



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: 8.57 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

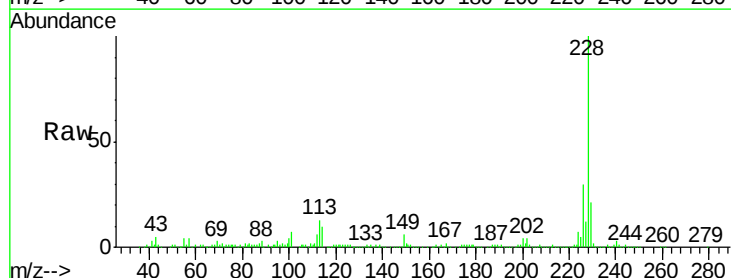
Tgt Ion:228 Resp: 284820

Ion Ratio Lower Upper

228 100

226 29.8 25.2 37.8

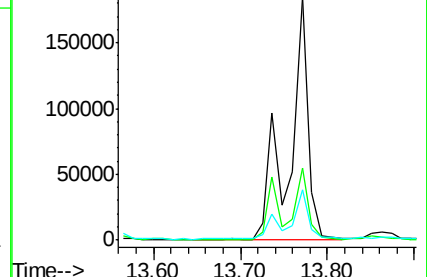
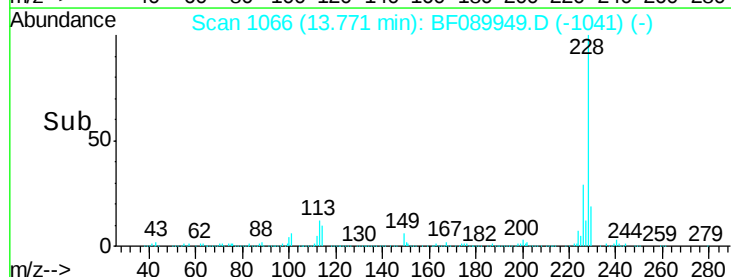
229 20.5 16.2 24.2

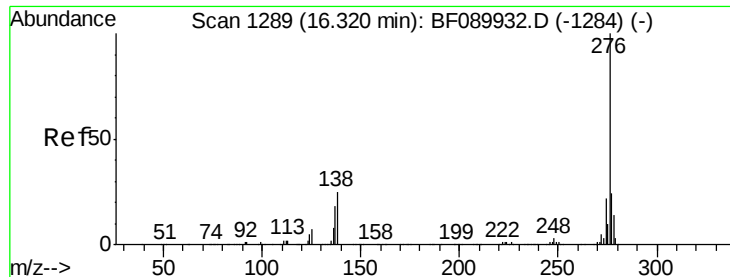


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

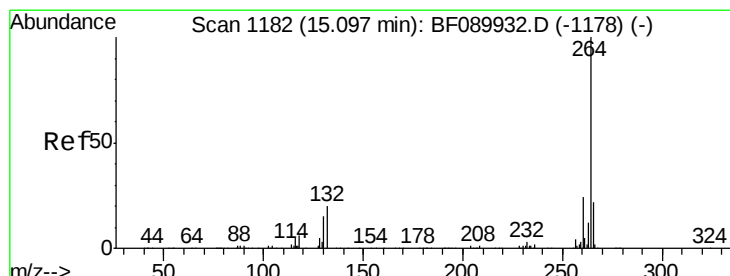
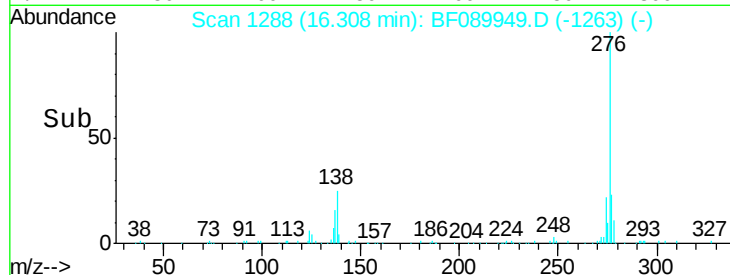
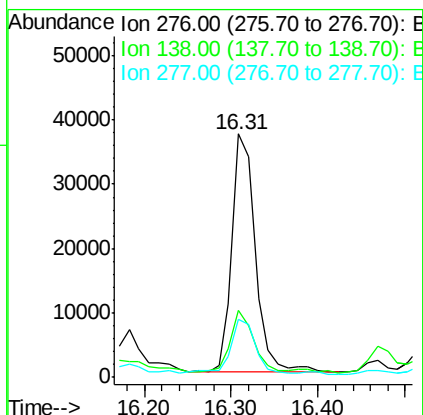
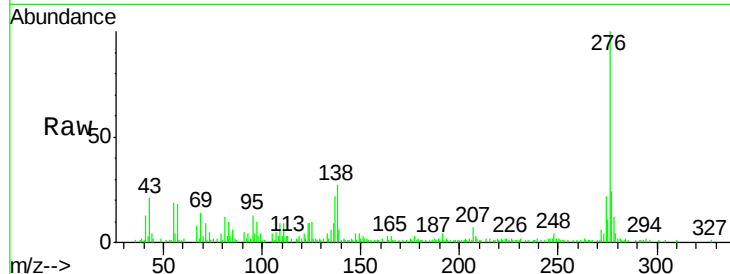




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.81 ng
RT: 16.31 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

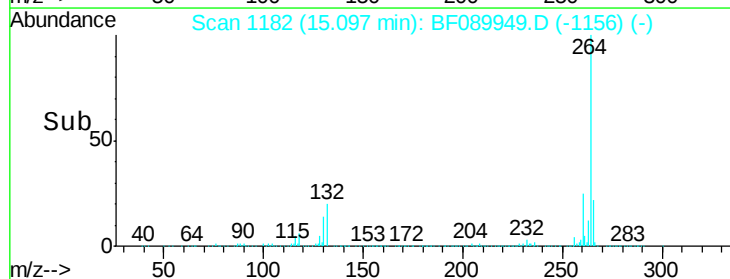
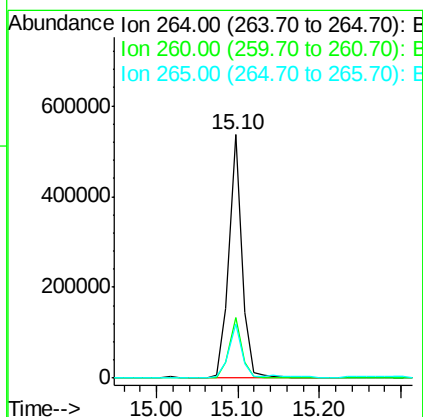
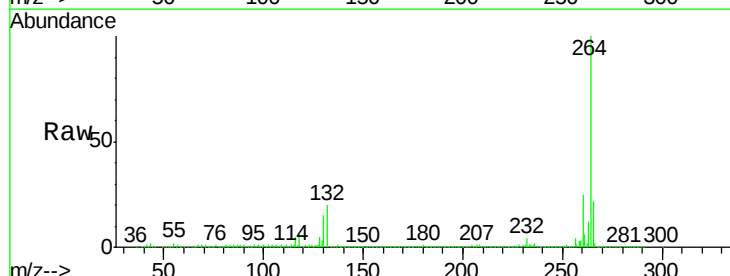
Instrument :
BNA_F
ClientSampleId :
415LSB4(1-5)

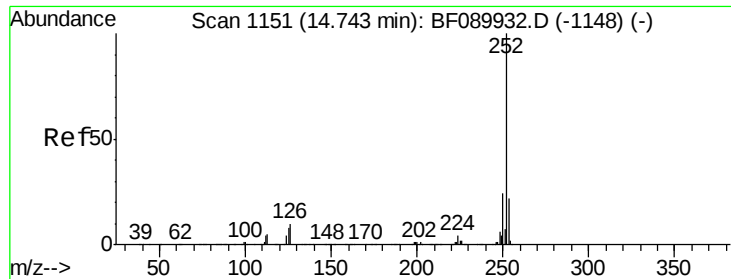
Tot Ion:276 Resp: 69059
Ion Ratio Lower Upper
276 100
138 24.8 22.6 34.0
277 25.4 20.1 30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

Tgt Ion:264 Resp: 596031
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.0
265 22.1 17.4 26.2

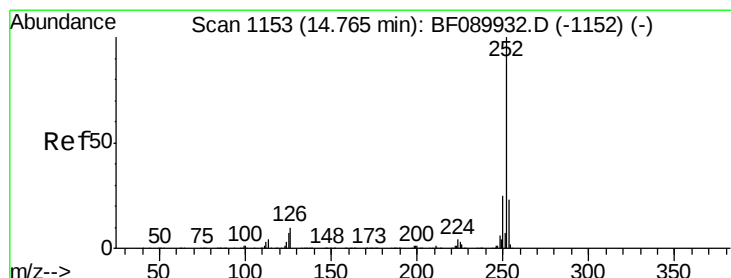
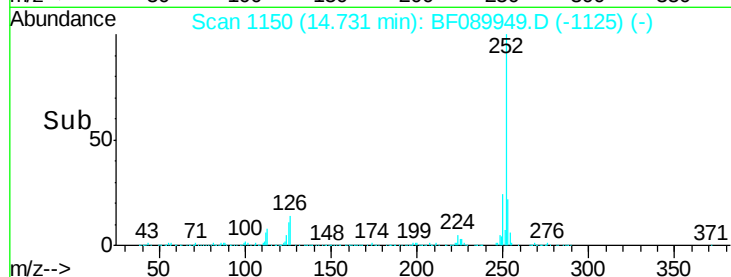
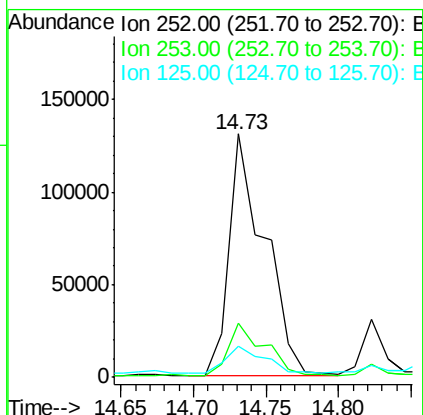
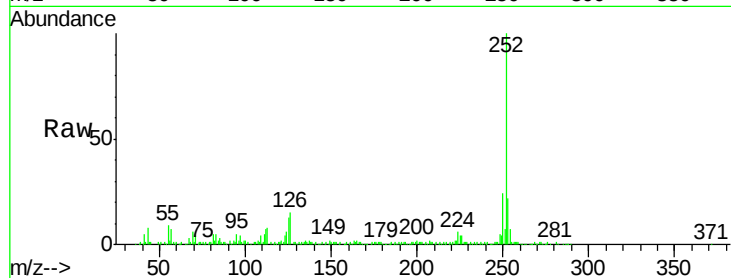




#87
Benzo(b)fluoranthene
Concen: 5.98 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

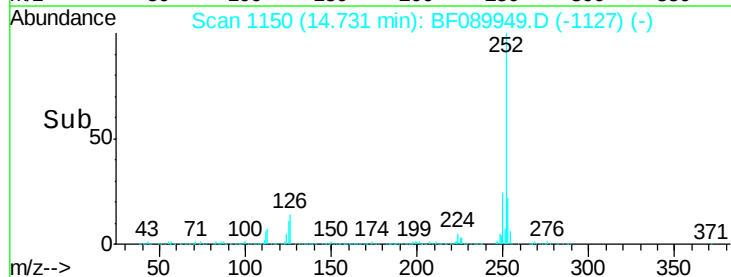
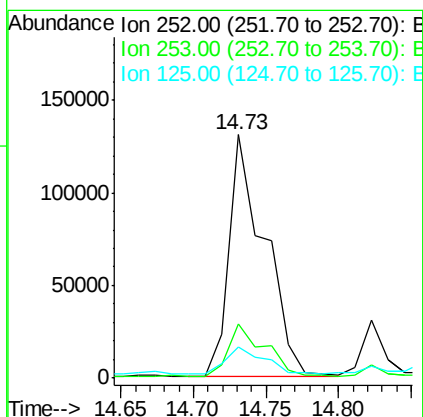
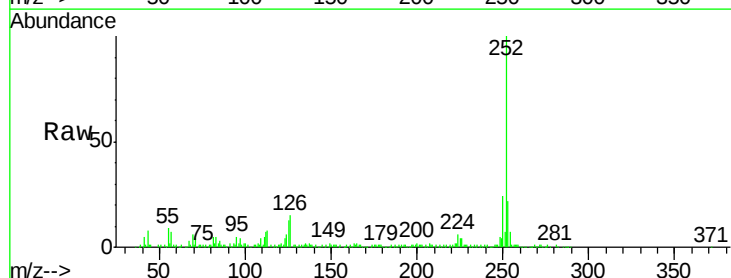
Instrument :
BNA_F
ClientSampleId :
415LSB4(1-5)

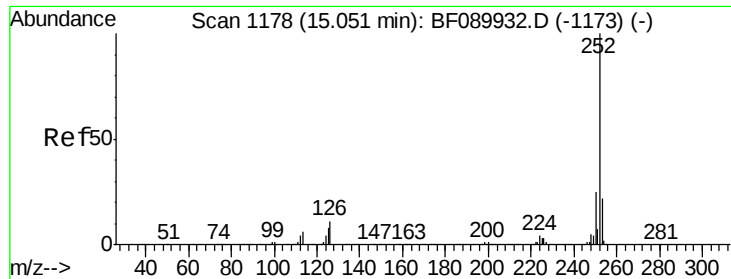
Tot Ion:252 Resp: 223280
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 13.0 5.7 8.5#



#88
Benzo(k)fluoranthene
Concen: 7.05 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

Tgt Ion:252 Resp: 223280
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 13.0 7.3 10.9#





#89

Benzo(a)pyrene

Concen: 2.73 ng

RT: 15.04 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

415LSB4(1-5)

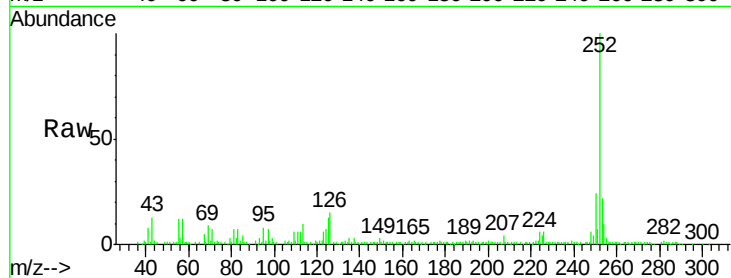
Tot Ion:252 Resp: 87232

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

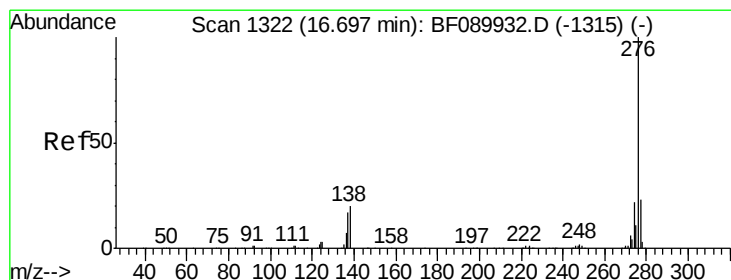
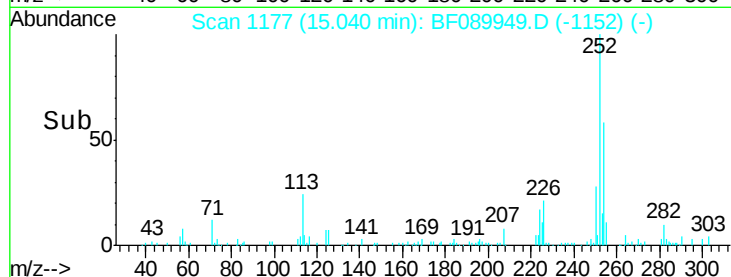
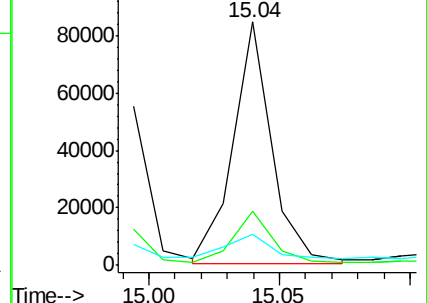
125 12.7 6.3 9.5#



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: 2.80 ng

RT: 16.67 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

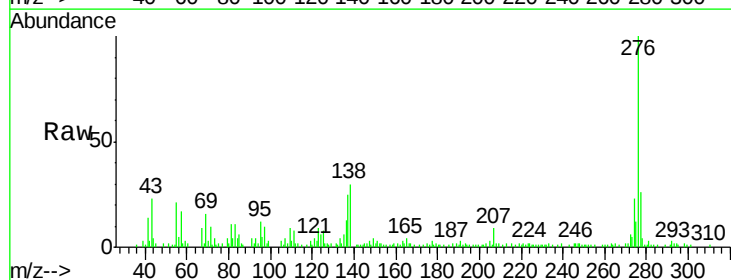
Tgt Ion:276 Resp: 66154

Ion Ratio Lower Upper

276 100

277 26.4 19.0 28.4

138 29.7 16.4 24.6#



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

