

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033116\
 Data File : BF085929.D
 Acq On : 31 Mar 2016 16:00
 Operator : UM/SJ
 Sample : H2075-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-13

Quant Time: Mar 31 21:45:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 12:31:18 2016
 Response via : Initial Calibration

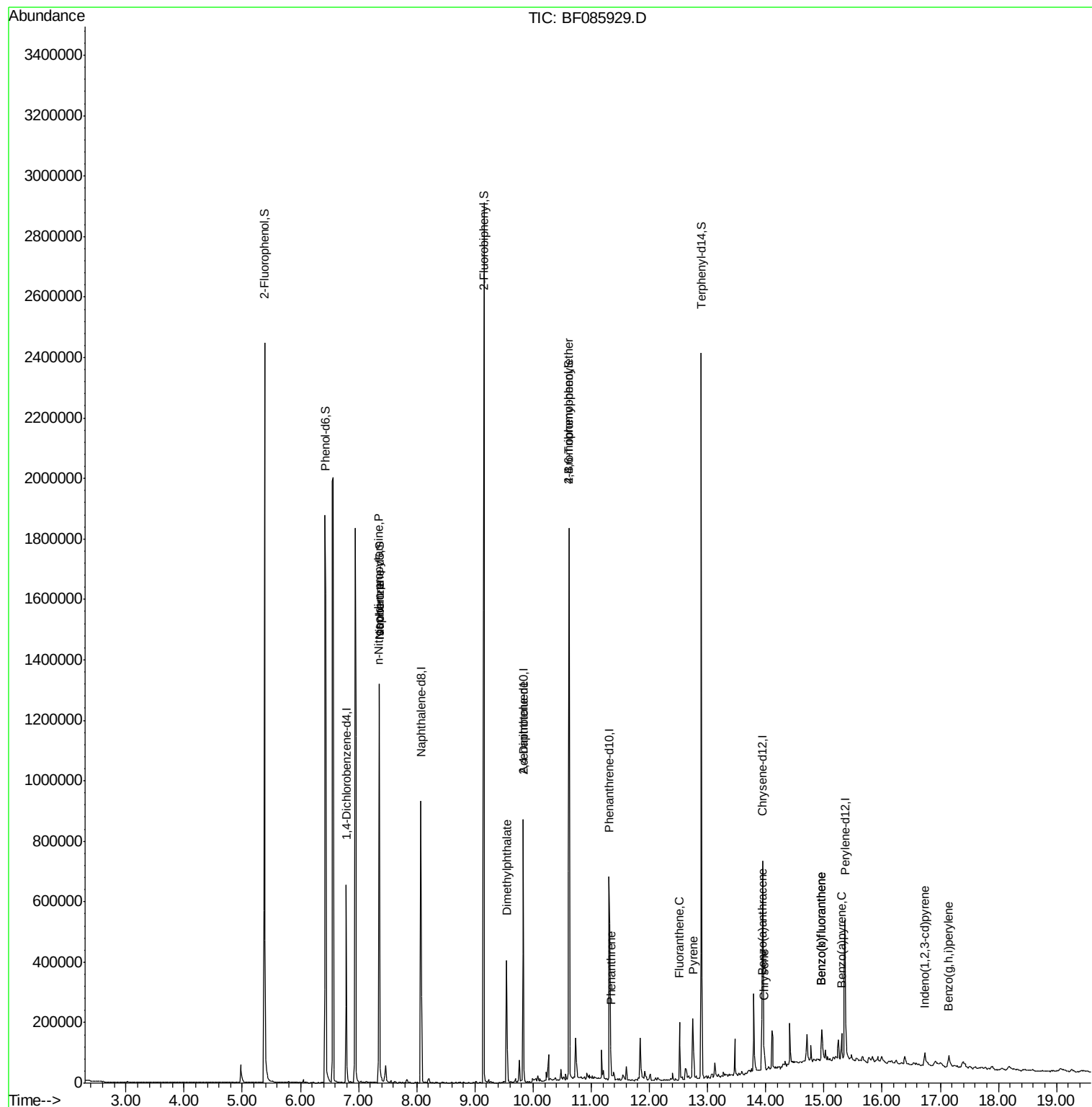
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	113784	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	437565	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	196088	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	329390	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	211483	20.00	ng	-0.02
86) Perylene-d12	15.36	264	209205	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	767918	112.40	ng	-0.01
7) Phenol-d6	6.42	99	1078986	124.21	ng	-0.02
23) Nitrobenzene-d5	7.36	82	671340	86.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	230661	123.81	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1082154	92.20	ng	-0.01
78) Terphenyl-d14	12.89	244	698919	67.97	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	86983	16.72	ng	# 79
25) Isophorone	7.36	82	650705	43.47	ng	# 68
37) 2-Methylnaphthalene	8.79	142	594	Below Cal		# 83
49) Dimethylphthalate	9.54	163	158039	10.62	ng	99
56) 2,4-Dinitrotoluene	9.83	165	24414	6.00	ng	# 37
66) 4-Bromophenyl-phenylether	10.62	248	16613	4.93	ng	# 1
70) Phenanthrene	11.34	178	58736	3.47	ng	99
74) Fluoranthene	12.52	202	94769	5.27	ng	97
77) Pyrene	12.74	202	89409	5.14	ng	99
80) Benzo(a)anthracene	13.93	228	38035	3.15	ng	98
82) Chrysene	13.97	228	29555	2.43	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	31700	3.38	ng	# 90
87) Benzo(b)fluoranthene	14.96	252	65231	4.95	ng	98
88) Benzo(k)fluoranthene	14.96	252	65231	5.49	ng	# 95
89) Benzo(a)pyrene	15.31	252	36833	3.15	ng	96
91) Benzo(g,h,i)perylene	17.15	276	34661	3.15	ng	99

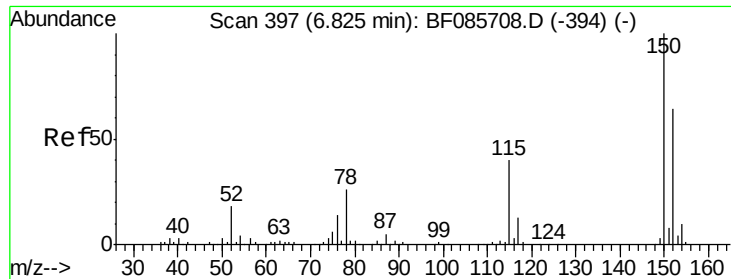
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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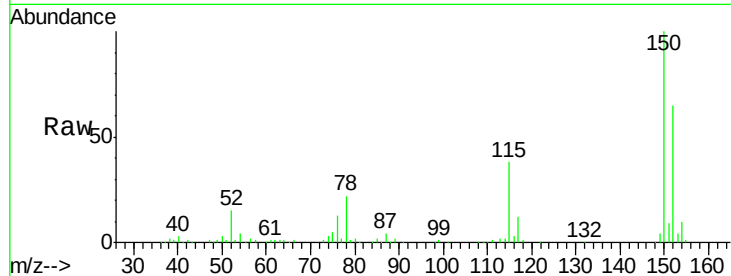


#1

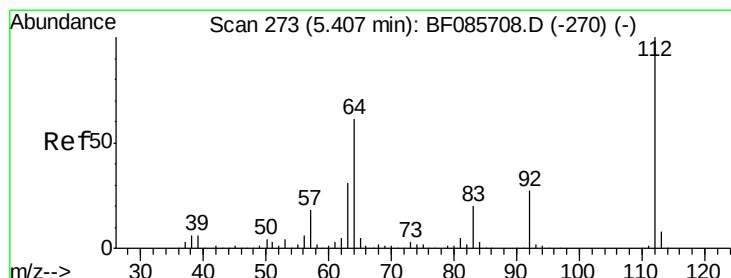
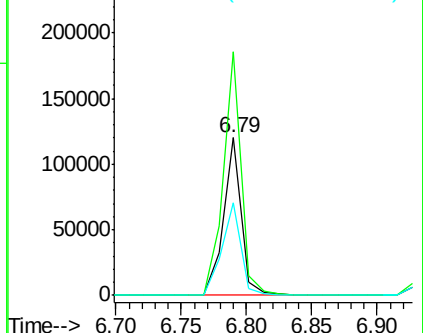
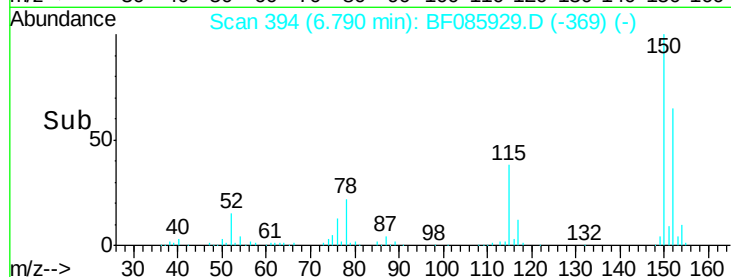
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 394
Delta R.T. -0.01 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Instrument :
BNA_F
ClientSampled :
SP-13

Tgt Ion:152 Resp: 113784
Ion Ratio Lower Upper
152 100
150 154.8 124.2 186.2
115 58.8 47.0 70.6



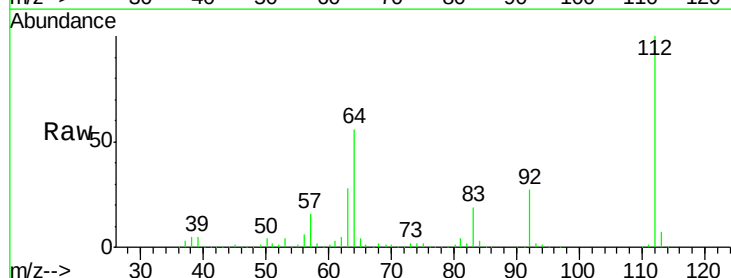
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



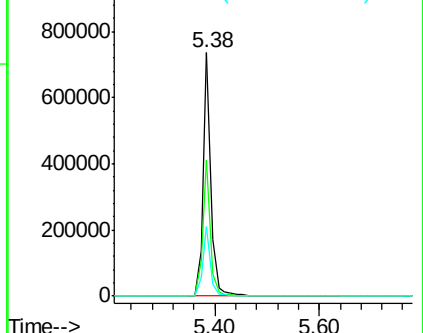
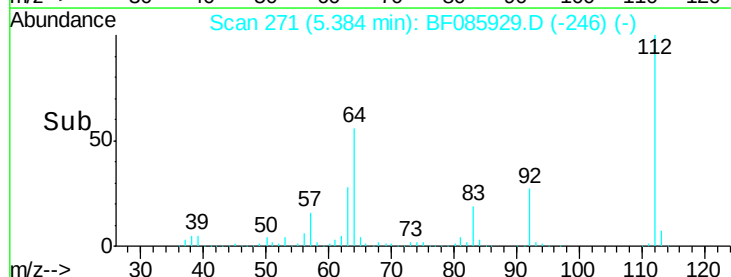
#5

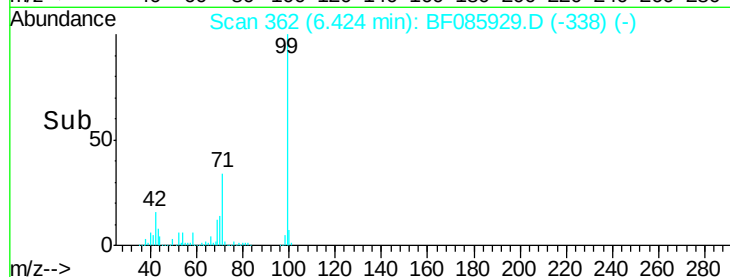
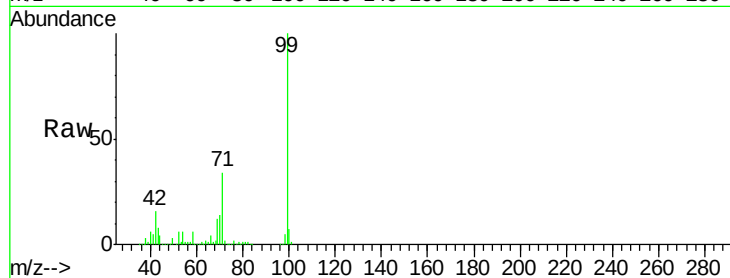
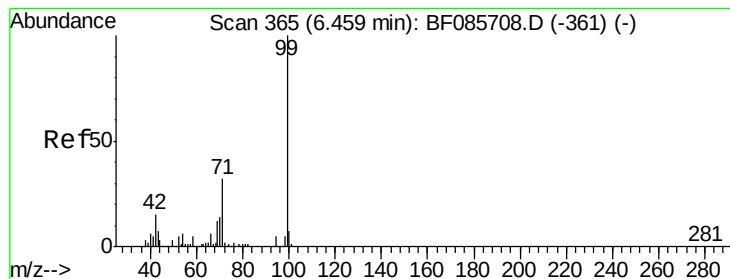
2-Fluorophenol
Concen: 112.40 ng
RT: 5.38 min Scan# 271
Delta R.T. -0.01 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Tgt Ion:112 Resp: 767918
Ion Ratio Lower Upper
112 100
64 55.7 39.9 59.9
63 28.4 20.2 30.2



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: 124.21 ng

RT: 6.42 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF085929.D

Acq: 31 Mar 2016 16:00

Instrument :

BNA_F

ClientSampleId :

SP-13

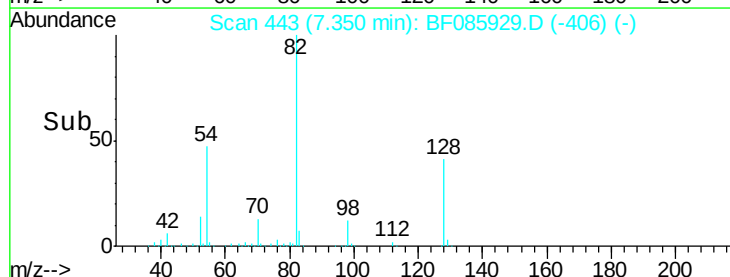
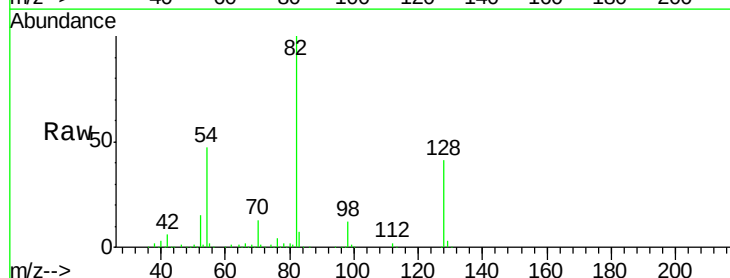
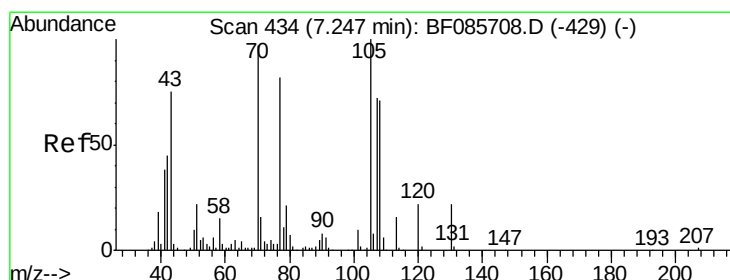
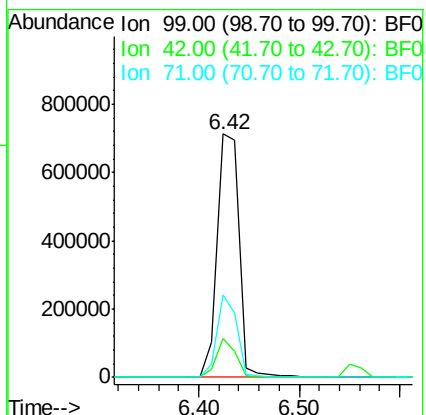
Tgt Ion: 99 Resp: 1078986

Ion Ratio Lower Upper

99 100

42 16.1 11.1 16.7

71 33.6 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.72 ng

RT: 7.35 min Scan# 443

Delta R.T. 0.13 min

Lab File: BF085929.D

Acq: 31 Mar 2016 16:00

Tgt Ion: 70 Resp: 86983

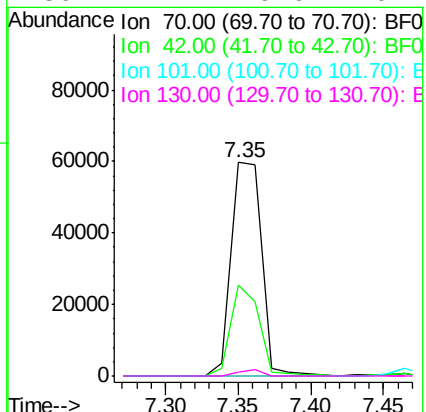
Ion Ratio Lower Upper

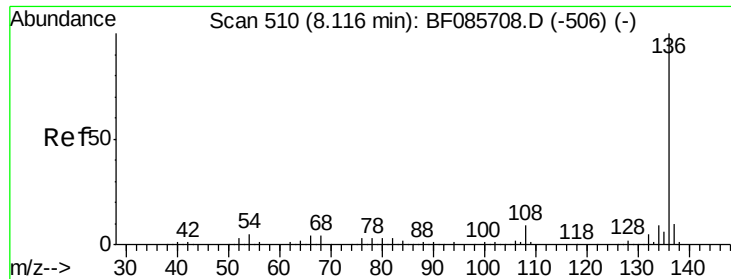
70 100

42 42.5 37.1 55.7

101 0.0 8.6 12.8#

130 2.1 19.6 29.4#

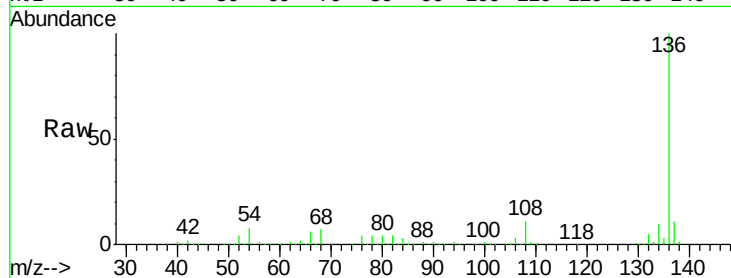




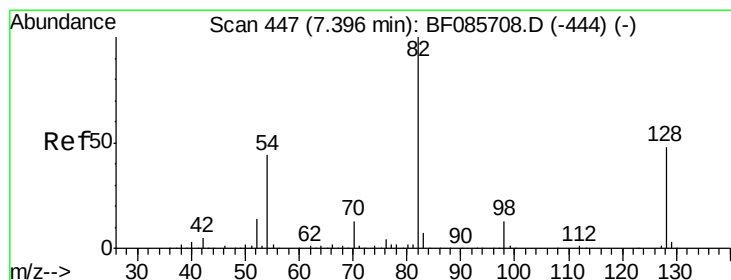
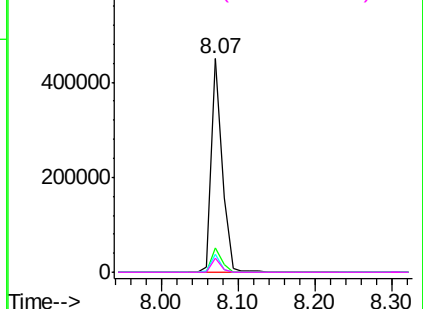
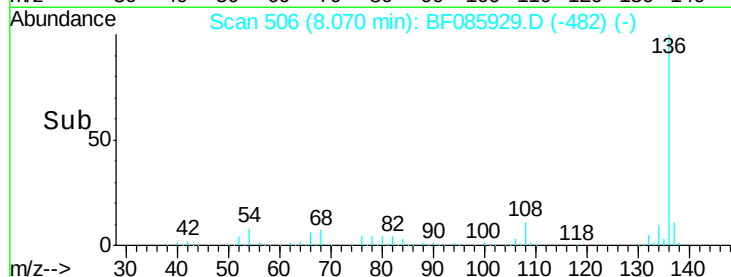
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 506
Delta R.T. -0.02 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Instrument :
BNA_F
ClientSampleId :
SP-13

Tgt Ion:	136	Resp:	437565
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.3	7.4	11.0
68	6.7	5.8	8.8

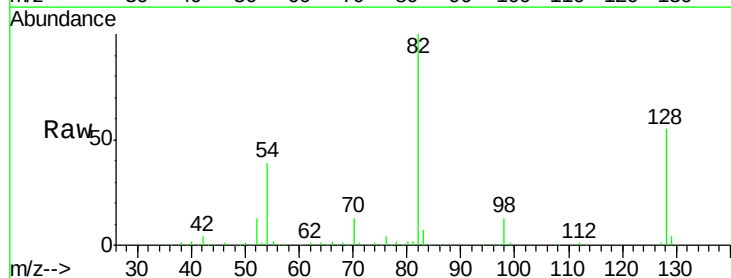


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

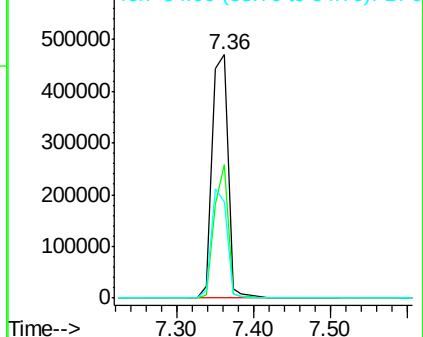
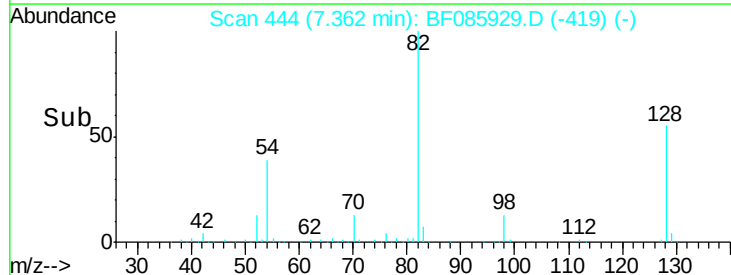


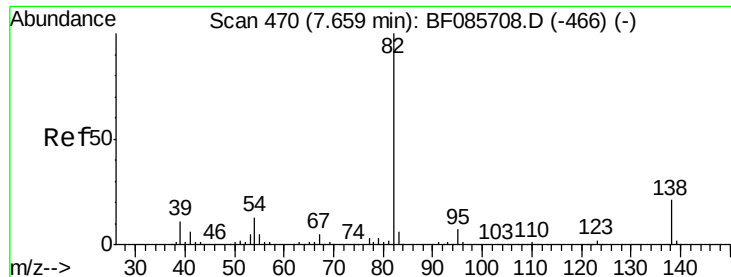
#23
Nitrobenzene-d5
Concen: 86.40 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Tgt Ion:	82	Resp:	671340
Ion	Ratio	Lower	Upper
82	100		
128	55.0	41.8	62.8
54	39.5	33.4	50.0



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





#25

Isophorone

Concen: 43.47 ng

RT: 7.36 min Scan# 444

Delta R.T. -0.27 min

Lab File: BF085929.D

Acq: 31 Mar 2016 16:00

Instrument :

BNA_F

ClientSampleId :

SP-13

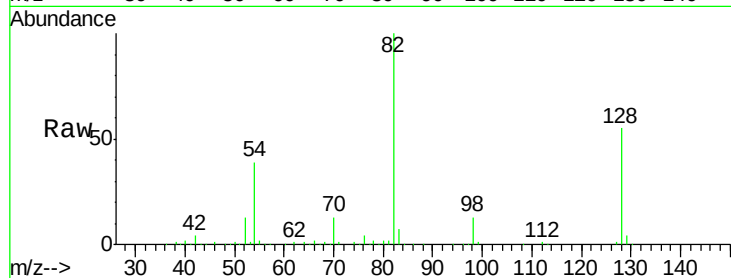
Tgt Ion: 82 Resp: 650705

Ion Ratio Lower Upper

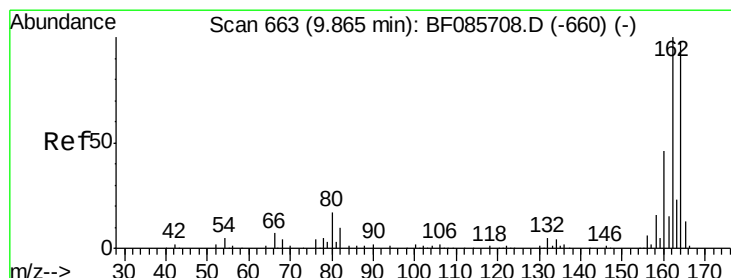
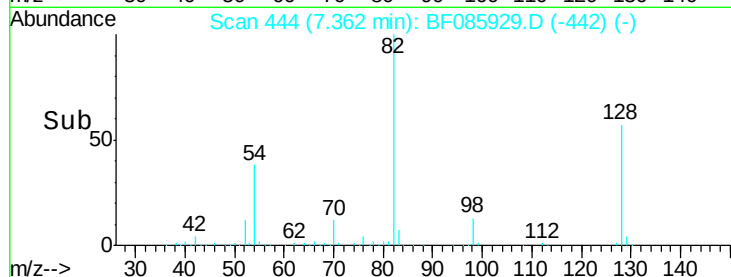
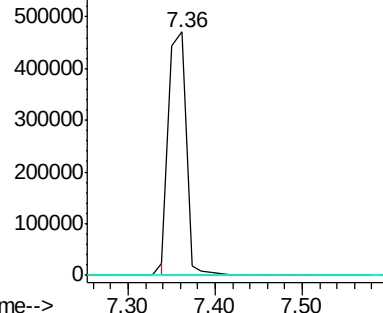
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF085929.D

Acq: 31 Mar 2016 16:00

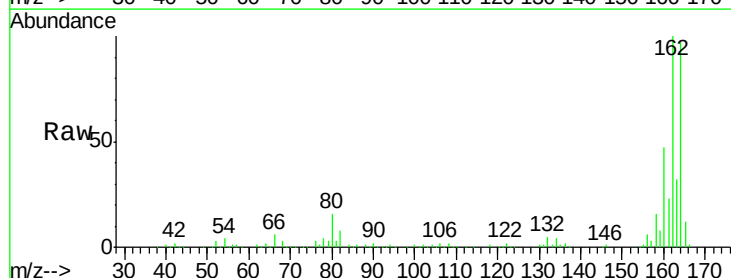
Tgt Ion: 164 Resp: 196088

Ion Ratio Lower Upper

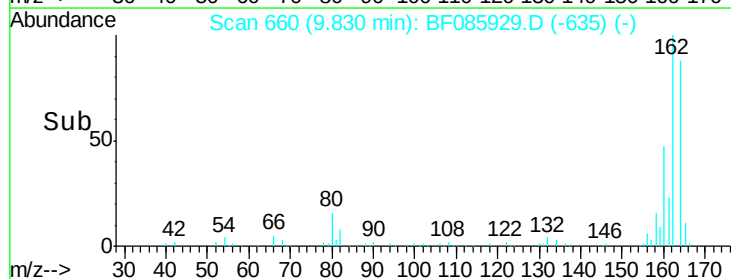
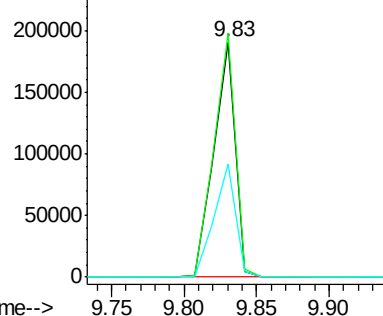
164 100

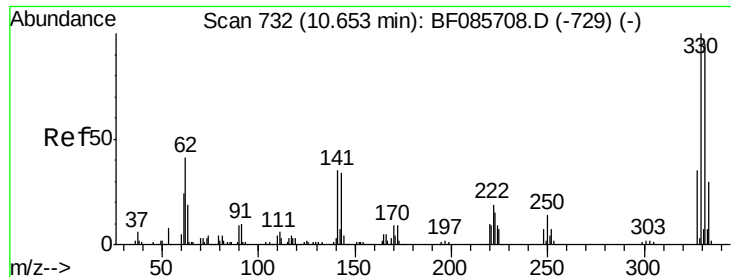
162 103.5 82.1 123.1

160 48.2 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

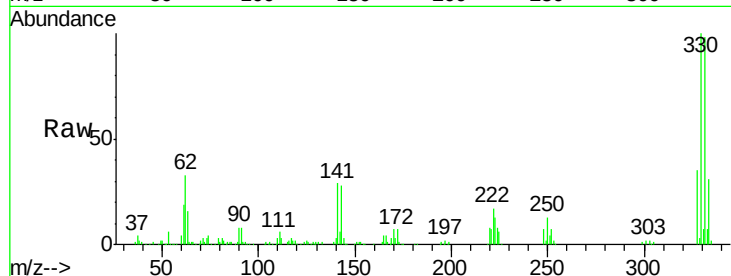




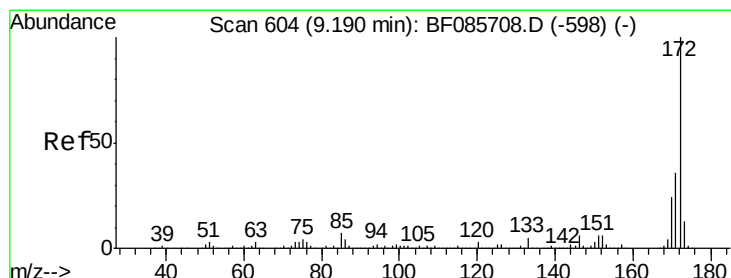
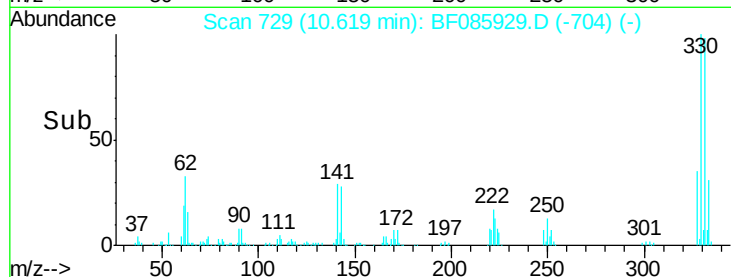
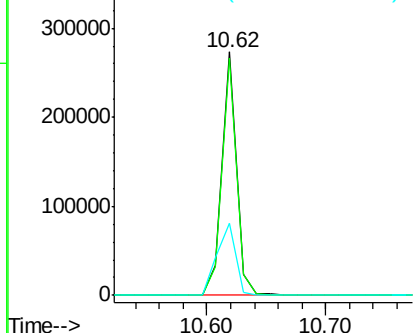
#41
 2,4,6-Tribromophenol
 Concen: 123.81 ng
 RT: 10.62 min Scan# 729
 Delta R.T. -0.01 min
 Lab File: BF085929.D
 Acq: 31 Mar 2016 16:00

Instrument :
 BNA_F
 ClientSampleId :
 SP-13

Tgt Ion:330 Resp: 230661
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.2 117.2
 141 38.1 31.5 47.3

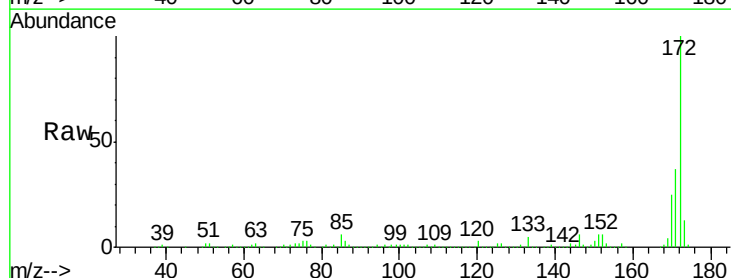


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

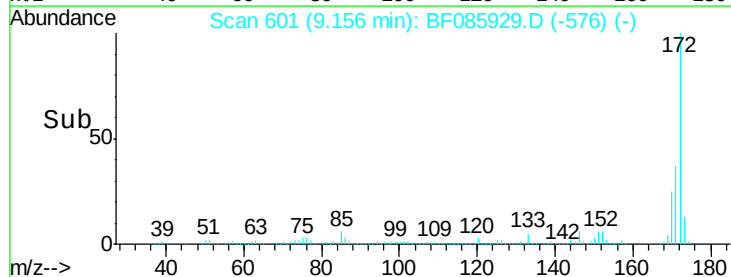
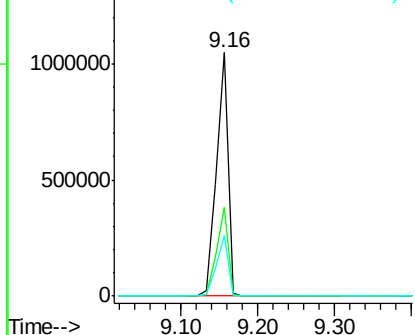


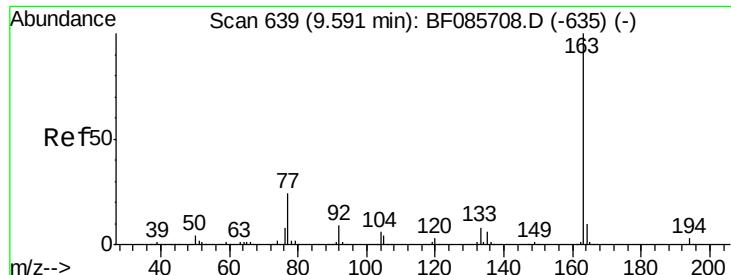
#44
 2-Fluorobiphenyl
 Concen: 92.20 ng
 RT: 9.16 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF085929.D
 Acq: 31 Mar 2016 16:00

Tgt Ion:172 Resp: 1082154
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.2
 170 24.9 19.8 29.6



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: 10.62 ng

RT: 9.54 min Scan# 635

Delta R.T. -0.02 min

Lab File: BF085929.D

Acq: 31 Mar 2016 16:00

Instrument :

BNA_F

ClientSampleId :

SP-13

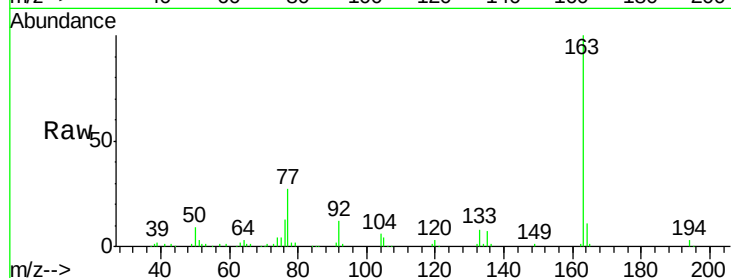
Tgt Ion:163 Resp: 158039

Ion Ratio Lower Upper

163 100

194 3.2 2.9 4.3

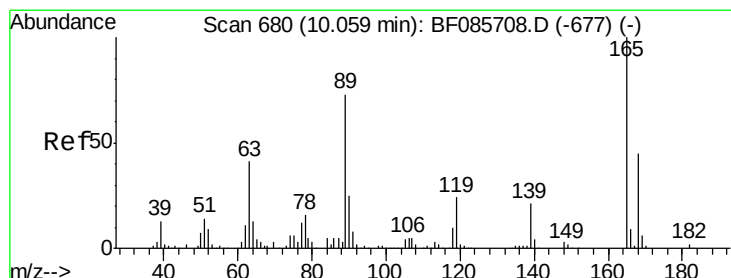
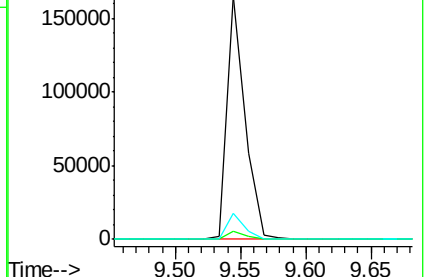
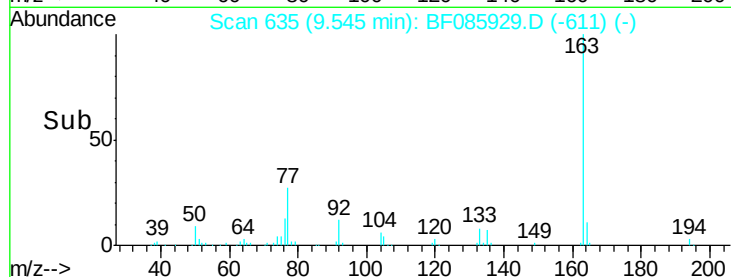
164 10.5 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.00 ng

RT: 9.83 min Scan# 660

Delta R.T. -0.21 min

Lab File: BF085929.D

Acq: 31 Mar 2016 16:00

Tgt Ion:165 Resp: 24414

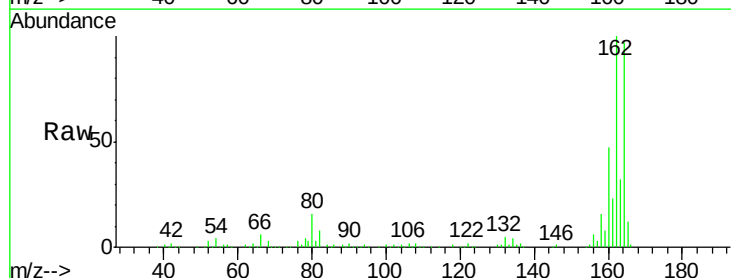
Ion Ratio Lower Upper

165 100

63 1.3 24.9 37.3#

89 1.7 41.0 61.6#

182 0.0 2.1 3.1#

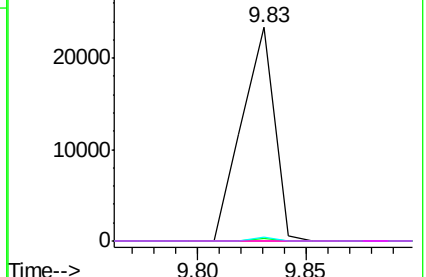
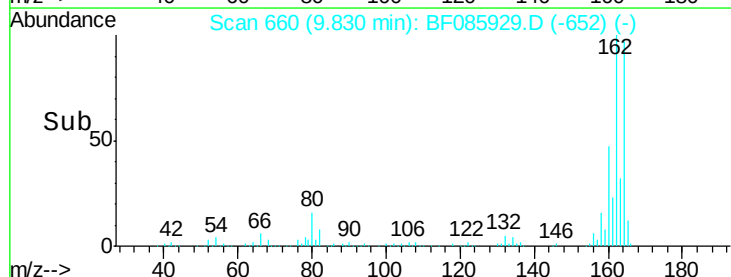


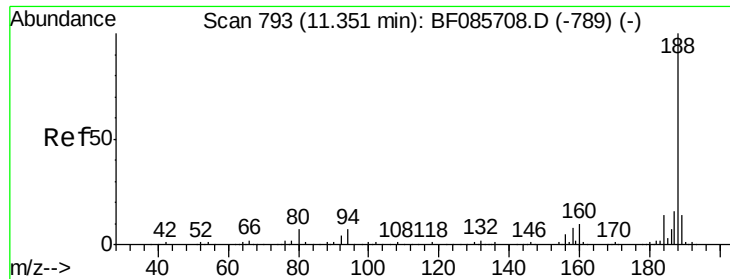
Abundance Ion 165.00 (164.70 to 165.70): E

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

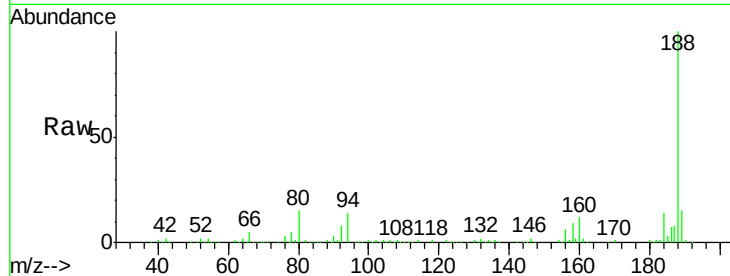




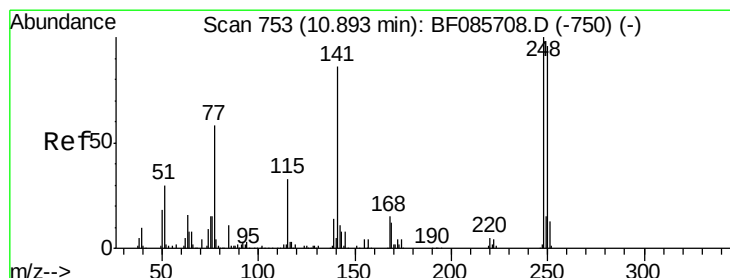
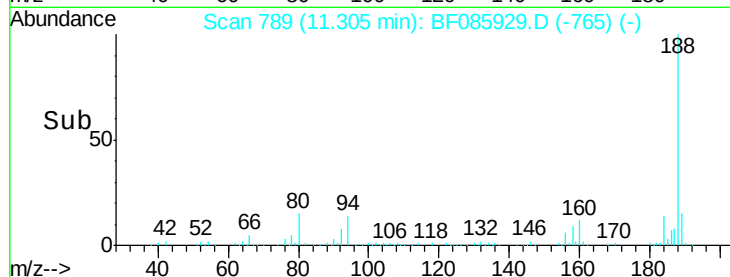
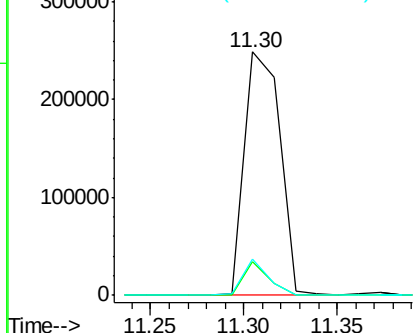
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Instrument :
BNA_F
ClientSampleId :
SP-13

Tgt Ion:188 Resp: 329390
Ion Ratio Lower Upper
188 100
94 13.7 5.4 8.0#
80 14.9 5.5 8.3#

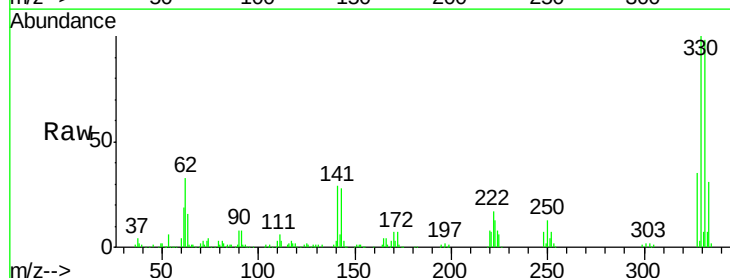


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

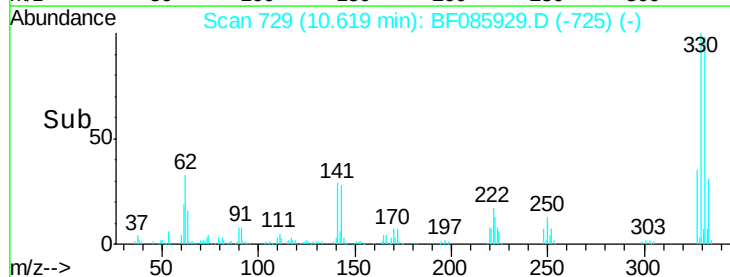
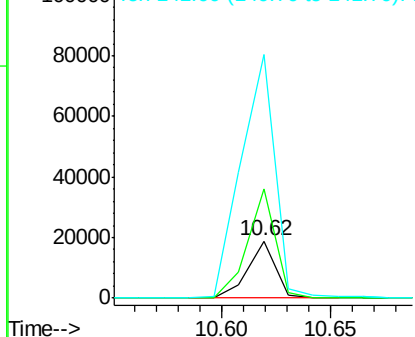


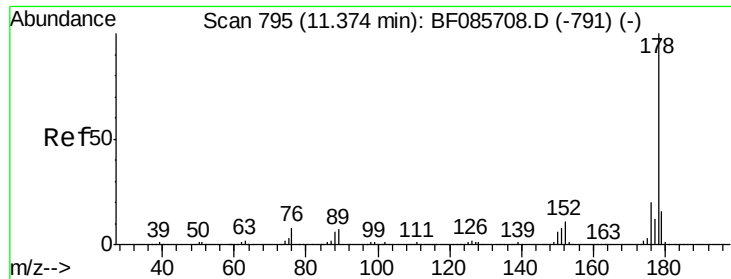
#66
4-Bromophenyl-phenylether
Concen: 4.93 ng
RT: 10.62 min Scan# 729
Delta R.T. -0.25 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Tgt Ion:248 Resp: 16613
Ion Ratio Lower Upper
248 100
250 190.9 77.4 116.0#
141 425.9 63.6 95.4#



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

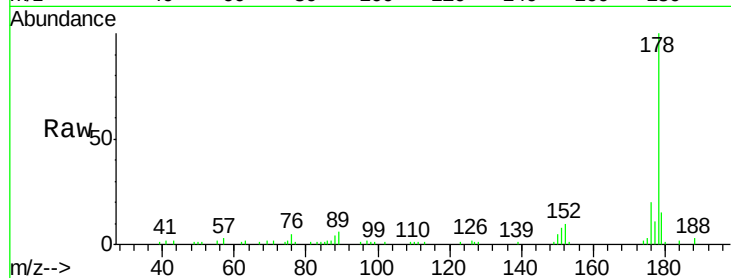




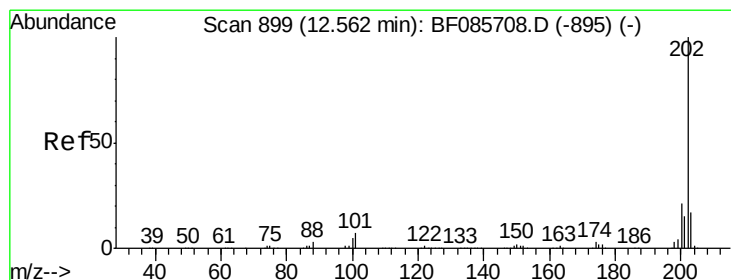
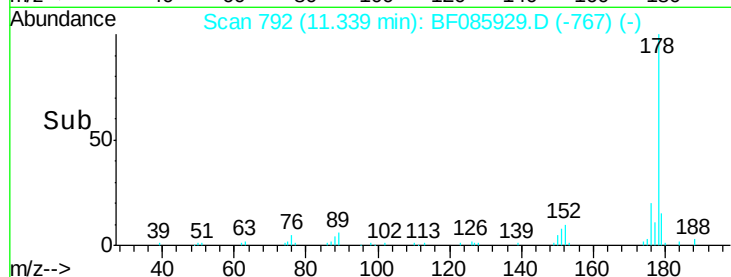
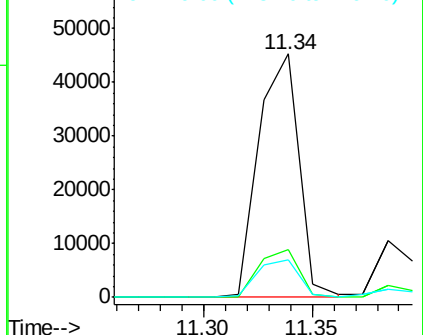
#70
Phenanthrene
Concen: 3.47 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Instrument :
BNA_F
ClientSampleId :
SP-13

Tgt Ion:178 Resp: 58736
Ion Ratio Lower Upper
178 100
176 19.5 16.3 24.5
179 15.3 12.6 18.8

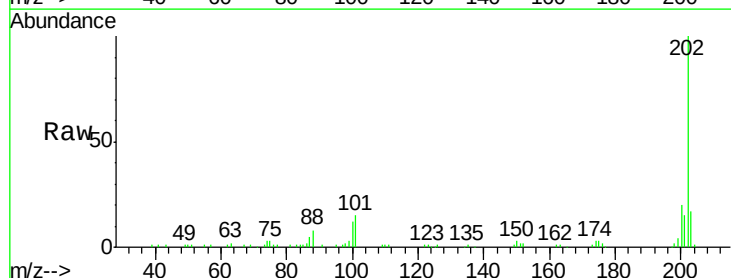


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

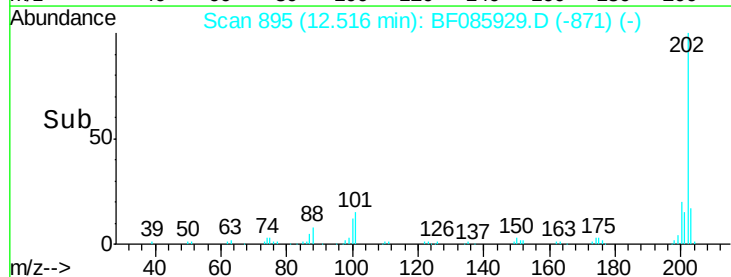
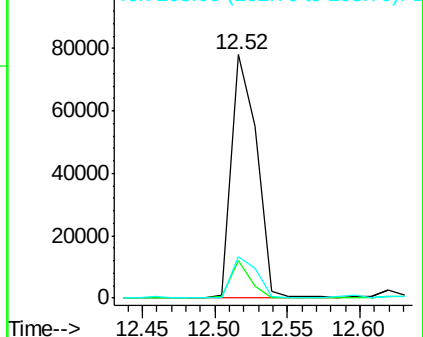


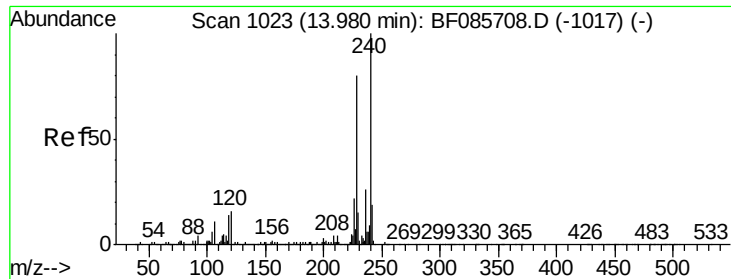
#74
Fluoranthene
Concen: 5.27 ng
RT: 12.52 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Tgt Ion:202 Resp: 94769
Ion Ratio Lower Upper
202 100
101 15.4 0.0 36.6
203 16.8 0.0 38.1



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

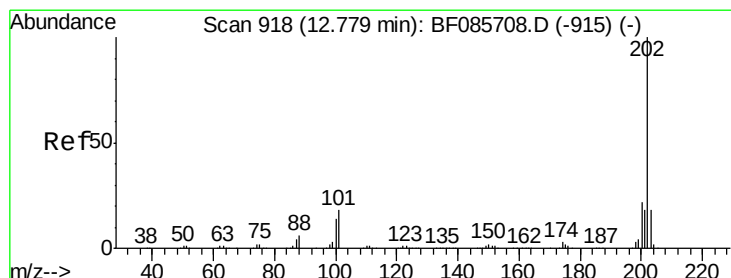
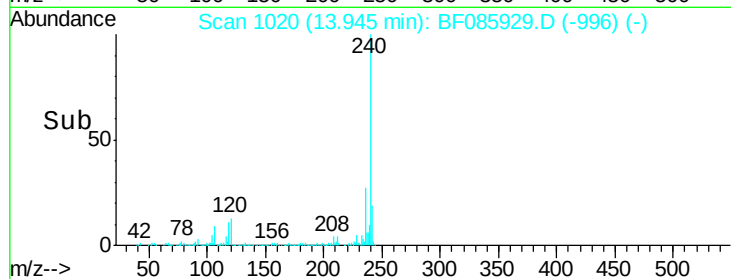
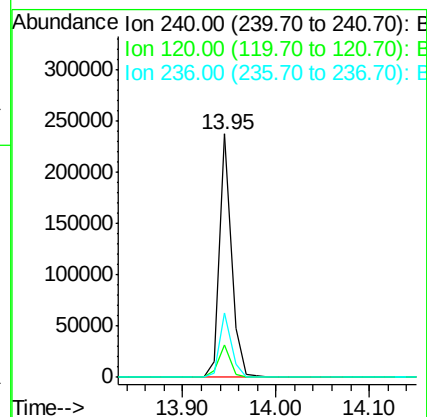
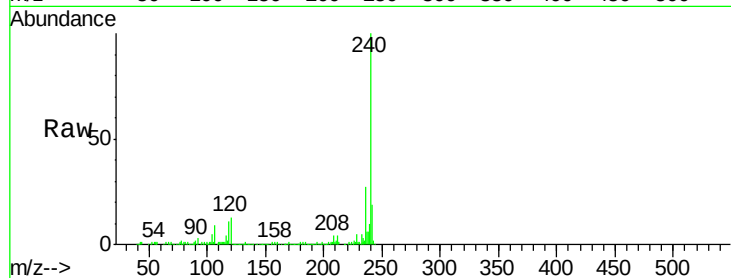




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

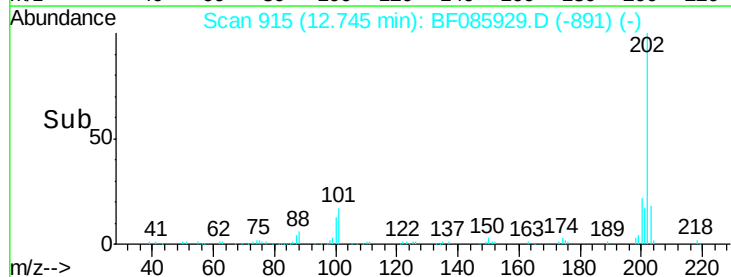
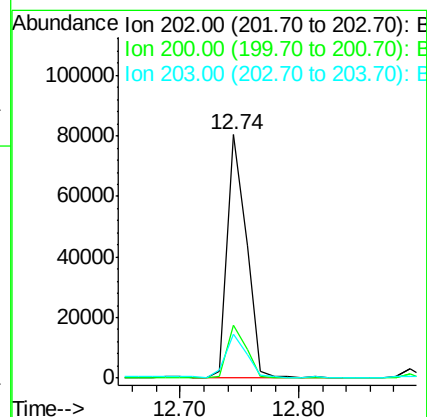
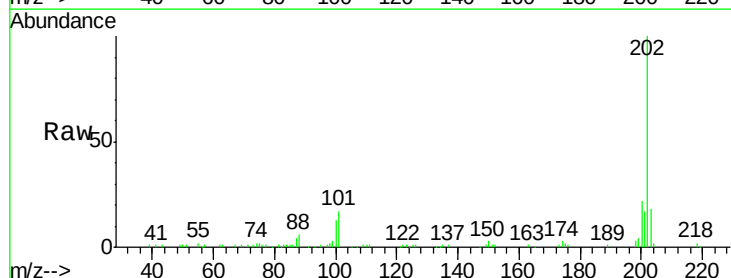
Instrument :
BNA_F
ClientSampleId :
SP-13

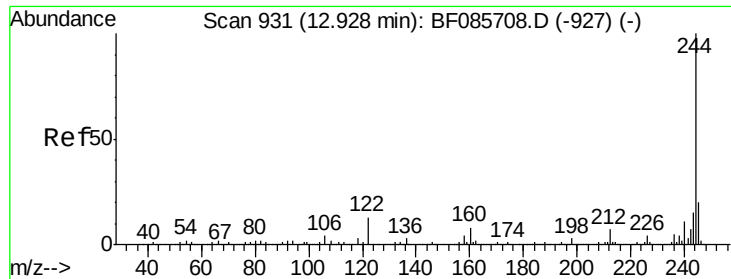
Tgt Ion:240 Resp: 211483
Ion Ratio Lower Upper
240 100
120 13.4 13.8 20.8#
236 26.6 20.6 30.8



#77
Pyrene
Concen: 5.14 ng
RT: 12.74 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Tgt Ion:202 Resp: 89409
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 18.2 14.0 21.0

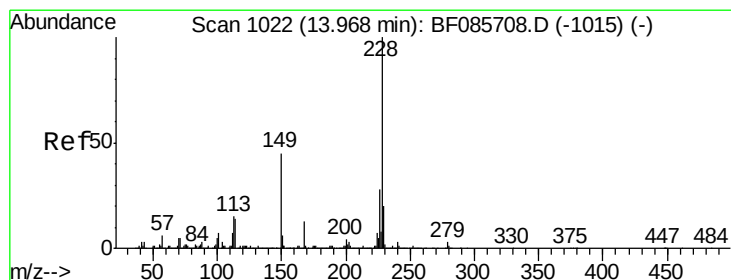
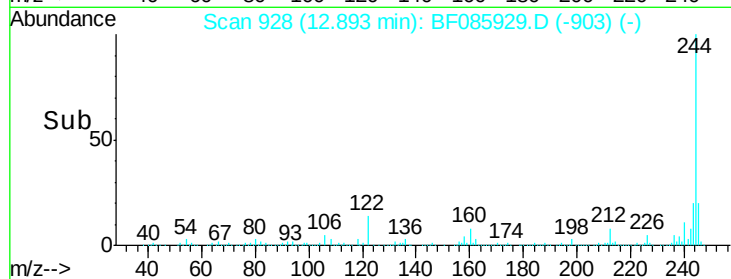
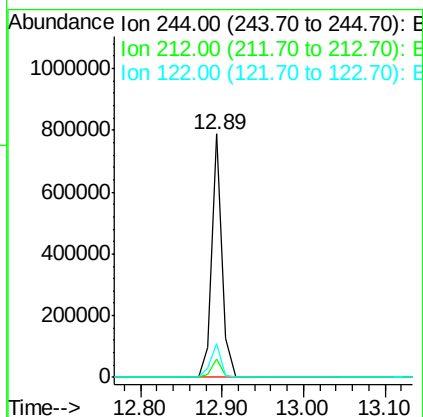
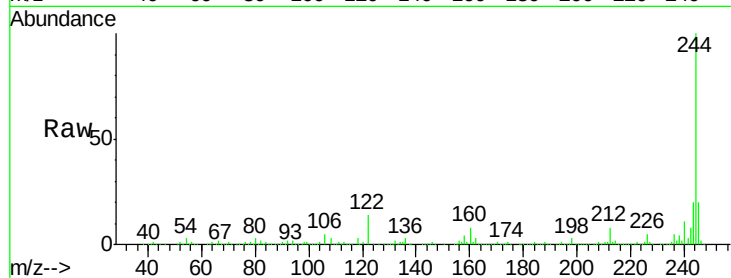




#78
 Terphenyl-d14
 Concen: 67.97 ng
 RT: 12.89 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: BF085929.D
 Acq: 31 Mar 2016 16:00

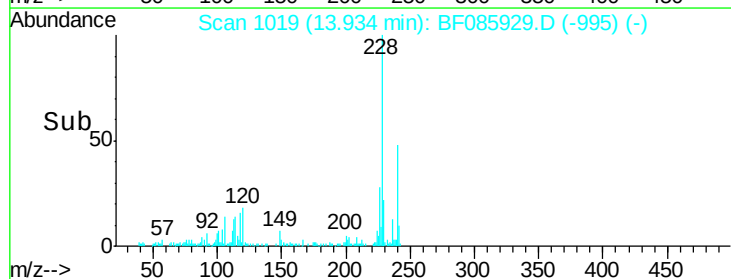
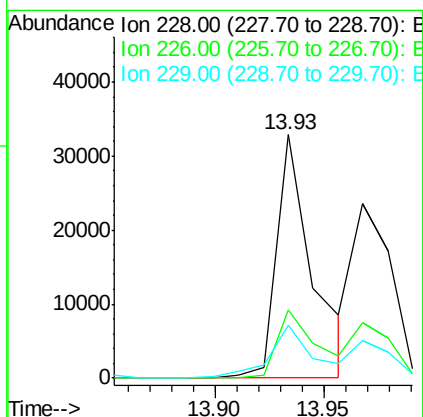
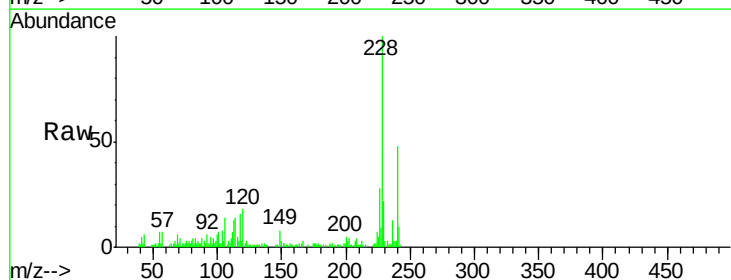
Instrument :
 BNA_F
 ClientSampleId :
 SP-13

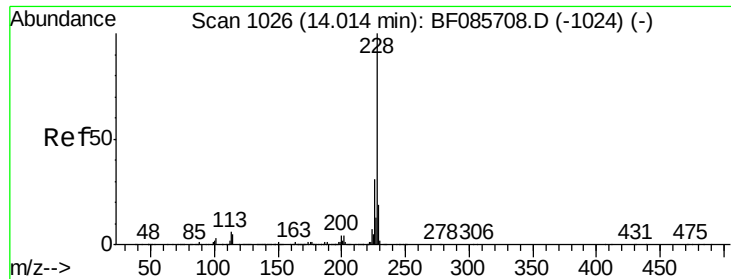
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	13.7	10.2	15.4



#80
 Benzo(a)anthracene
 Concen: 3.15 ng
 RT: 13.93 min Scan# 1019
 Delta R.T. -0.02 min
 Lab File: BF085929.D
 Acq: 31 Mar 2016 16:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	21.7	16.2	24.4





#82

Chrysene

Concen: 2.43 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.02 min

Lab File: BF085929.D

Acq: 31 Mar 2016 16:00

Instrument :

BNA_F

ClientSampled :

SP-13

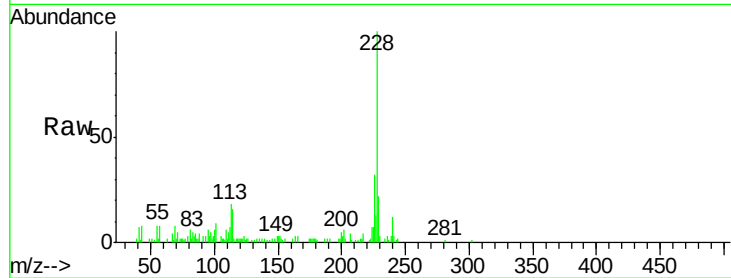
Tgt Ion:228 Resp: 29555

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

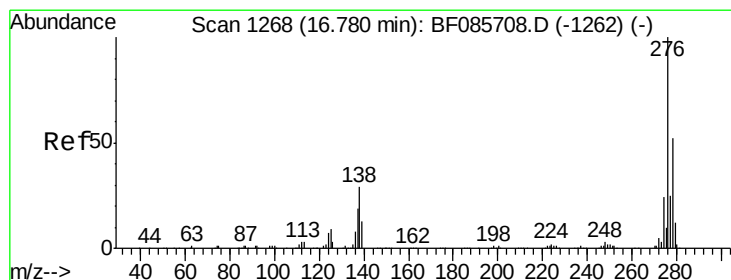
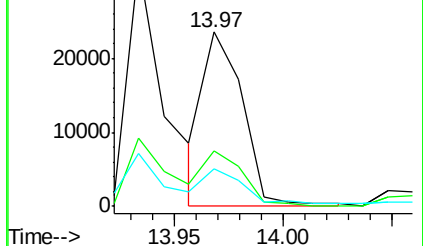
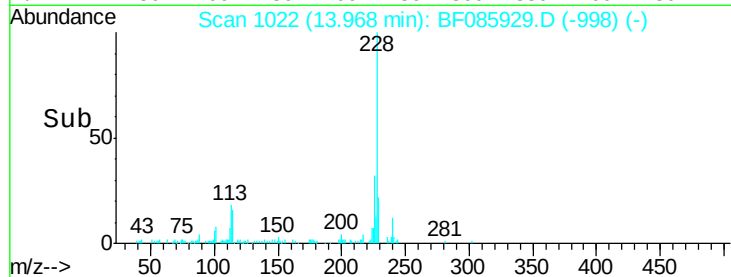
229 21.7 15.7 23.5



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: 3.38 ng

RT: 16.73 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BF085929.D

Acq: 31 Mar 2016 16:00

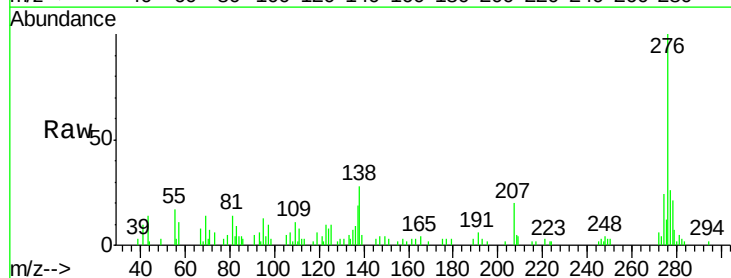
Tgt Ion:276 Resp: 31700

Ion Ratio Lower Upper

276 100

138 23.6 24.2 36.4#

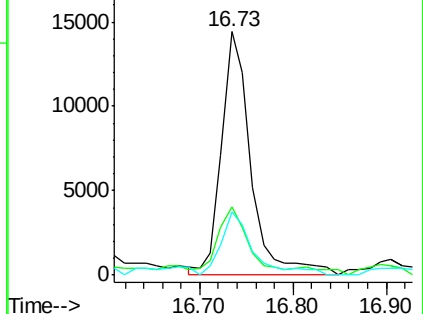
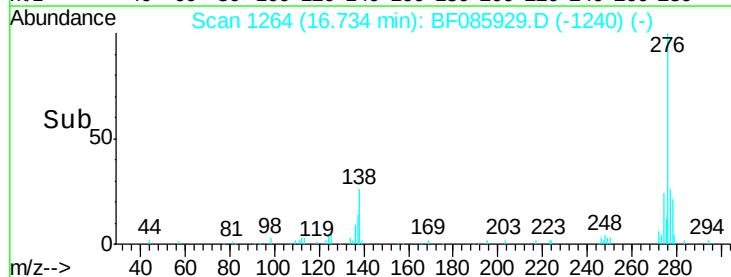
277 28.2 20.0 30.0

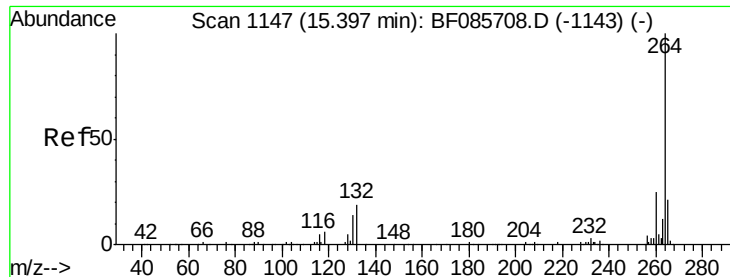


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



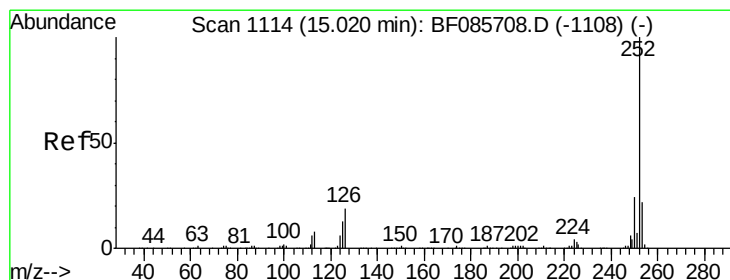
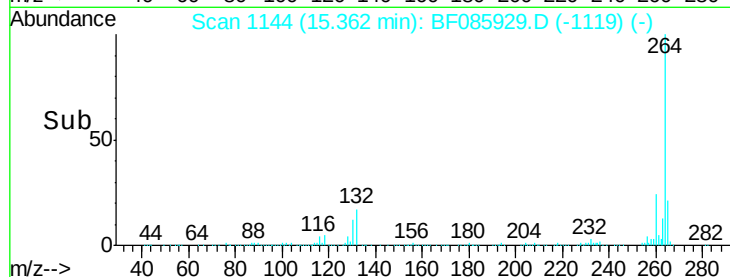
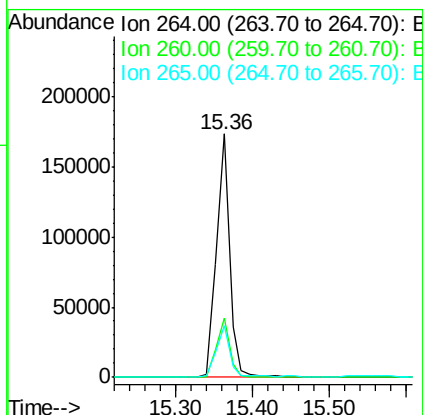
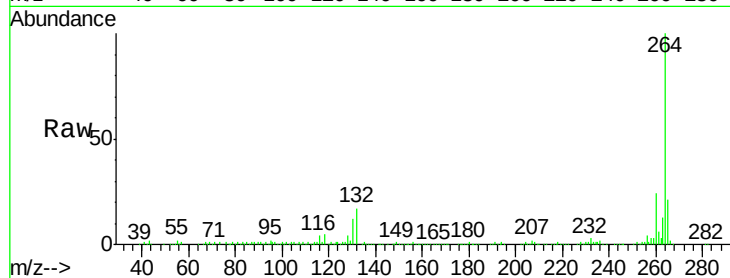


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Instrument :
BNA_F
ClientSampleId :
SP-13

Tgt Ion: 264 Resp: 209205

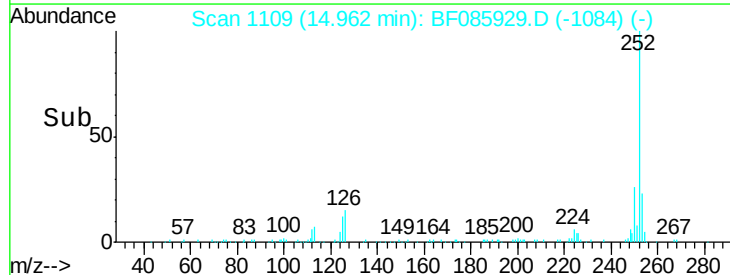
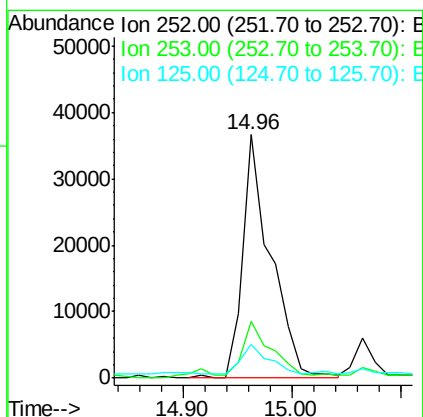
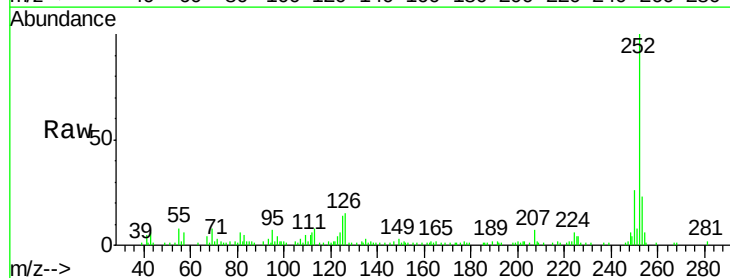
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.2	17.2	25.8

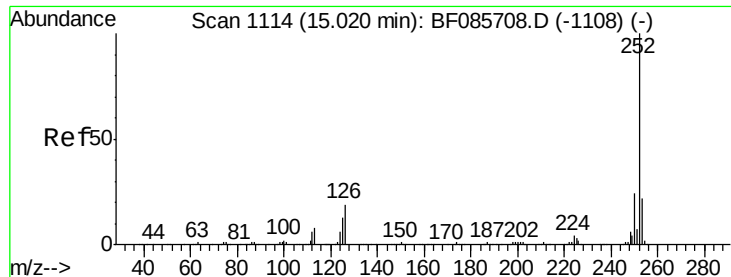


#87
Benzo(b)fluoranthene
Concen: 4.95 ng
RT: 14.96 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Tgt Ion: 252 Resp: 65231

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	13.6	10.3	15.5

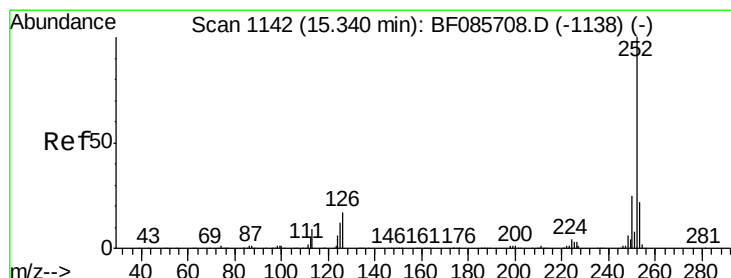
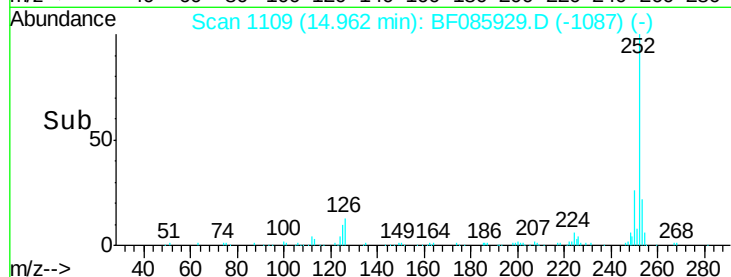
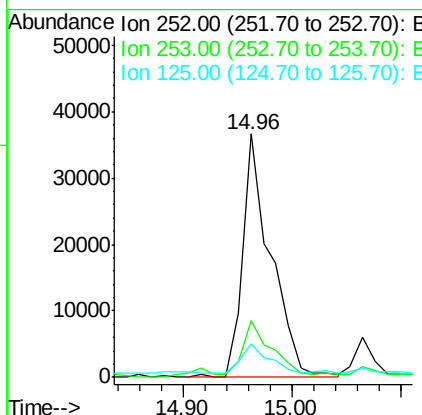
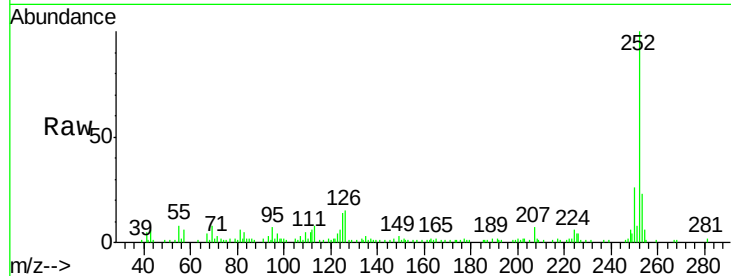




#88
Benzo(k)fluoranthene
Concen: 5.49 ng
RT: 14.96 min Scan# 1109
Delta R.T. -0.05 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

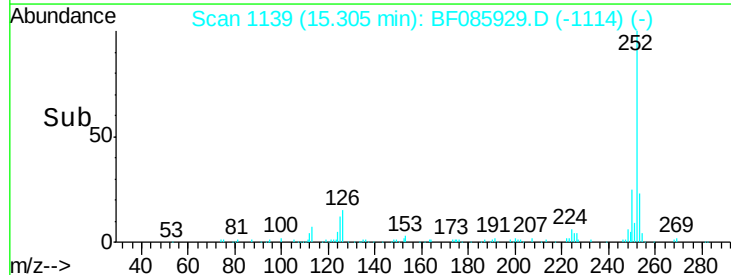
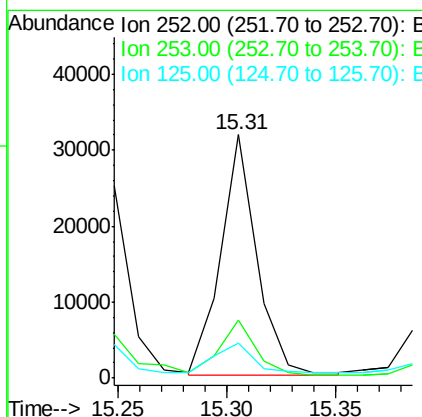
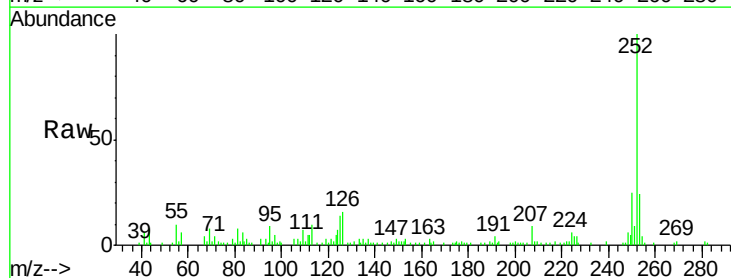
Instrument :
BNA_F
ClientSampleId :
SP-13

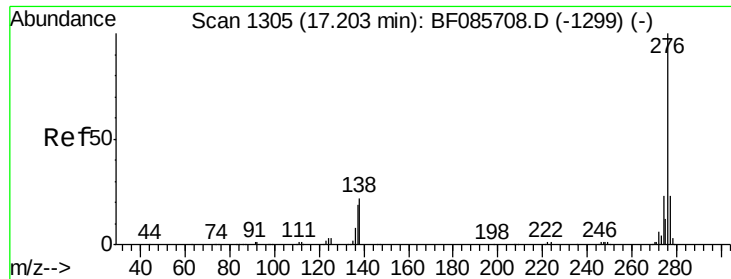
Tgt Ion: 252 Resp: 65231
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 13.6 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 3.15 ng
RT: 15.31 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF085929.D
Acq: 31 Mar 2016 16:00

Tgt Ion: 252 Resp: 36833
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 14.3 10.3 15.5





#91
 Benzo(g,h,i)perylene
 Concen: 3.15 ng
 RT: 17.15 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF085929.D
 Acq: 31 Mar 2016 16:00

Instrument :
 BNA_F
 ClientSampleId :
 SP-13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	28.5	22.6	34.0

