

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089264.D
 Acq On : 24 Jul 2016 7:05
 Operator : UM/SJ
 Sample : H4151-10
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Quant Time: Jul 25 01:19:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	48937	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	214768	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	90542	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	145533	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	98686	20.00	ng	-0.02
86) Perylene-d12	15.05	264	93530	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.16	112	368987	114.67	ng	-0.02
7) Phenol-d6	6.24	99	508384	122.52	ng	-0.03
23) Nitrobenzene-d5	7.15	82	306485	75.82	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	77986	95.67	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	517656	78.77	ng	-0.02
78) Terphenyl-d14	12.66	244	289843	63.70	ng	-0.02

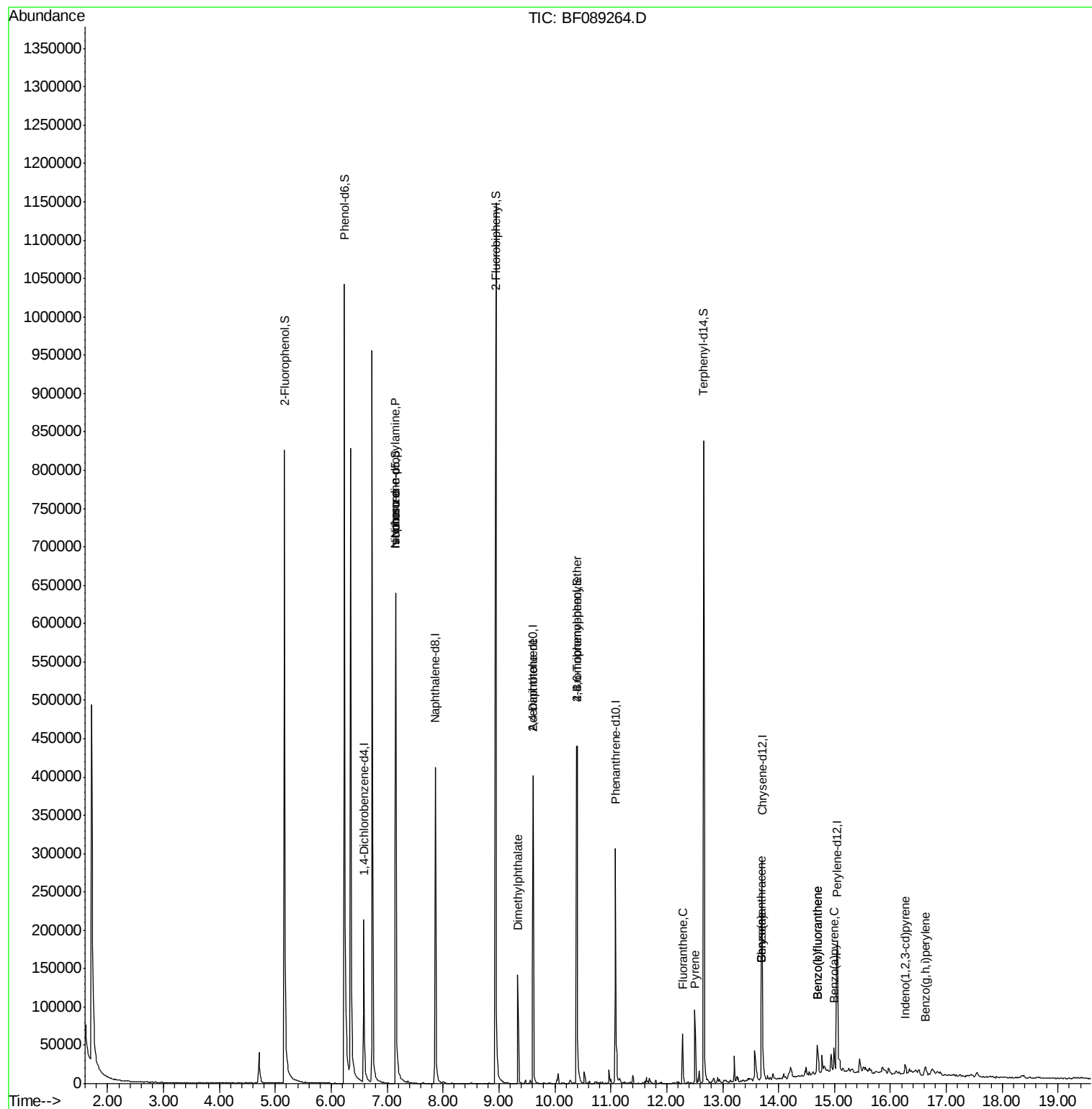
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.24	77	797	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.15	70	39812	14.67	ng	78
25) Isophorone	7.15	82	229775	30.84	ng	66
49) Dimethylphthalate	9.34	163	75579	10.88	ng	96
56) 2,4-Dinitrotoluene	9.61	165	10633	5.26	ng	10
66) 4-Bromophenyl-phenylether	10.40	248	5835	4.05	ng	1
74) Fluoranthene	12.29	202	30559	3.64	ng	96
77) Pyrene	12.51	202	27901	3.42	ng	97
80) Benzo(a)anthracene	13.69	228	17886	2.85	ng	90
82) Chrysene	13.69	228	17886	2.98	ng	93
85) Indeno(1,2,3-cd)pyrene	16.26	276	9665	2.22	ng	95
87) Benzo(b)fluoranthene	14.70	252	31952	4.72	ng	97
88) Benzo(k)fluoranthene	14.70	252	31952	6.60	ng	92
89) Benzo(a)pyrene	14.99	252	16708	3.18	ng	96
91) Benzo(g,h,i)perylene	16.63	276	8489	2.03	ng	96

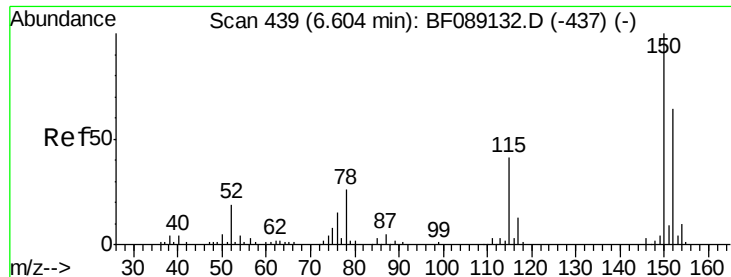
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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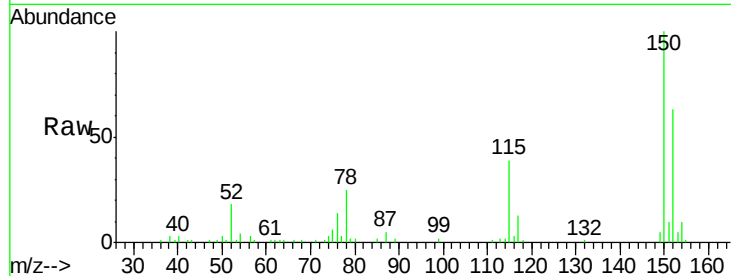


#1

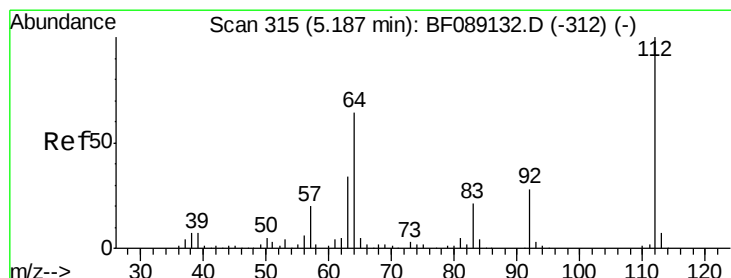
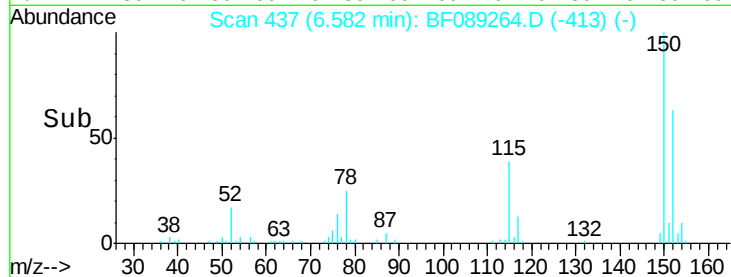
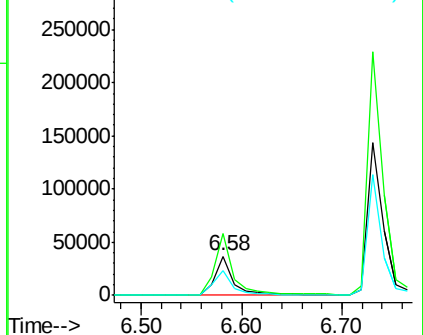
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.58 min Scan# 437
 Delta R.T. -0.02 min
 Lab File: BF089264.D
 Acq: 24 Jul 2016 7:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Tgt Ion:152 Resp: 48937
 Ion Ratio Lower Upper
 152 100
 150 157.8 125.1 187.7
 115 61.8 51.1 76.7



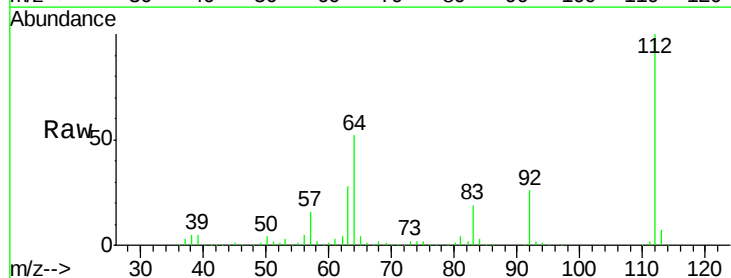
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



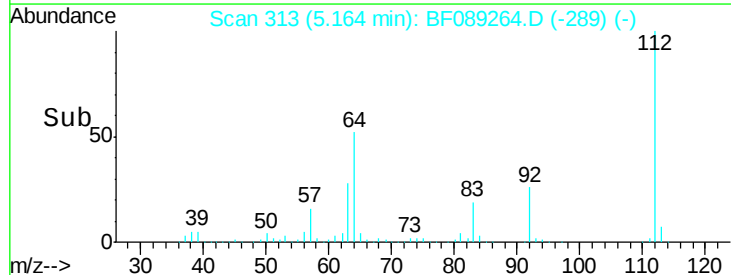
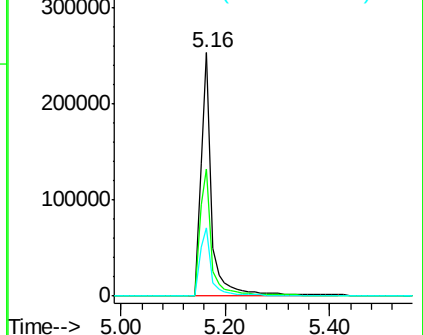
#5

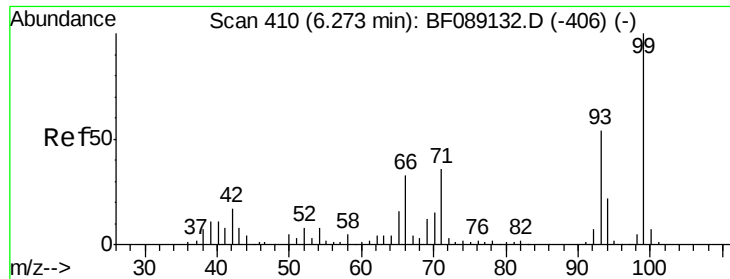
2-Fluorophenol
 Concen: 114.67 ng
 RT: 5.16 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: BF089264.D
 Acq: 24 Jul 2016 7:05

Tgt Ion:112 Resp: 368987
 Ion Ratio Lower Upper
 112 100
 64 52.2 51.0 76.4
 63 27.9 27.3 40.9



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: 122.52 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

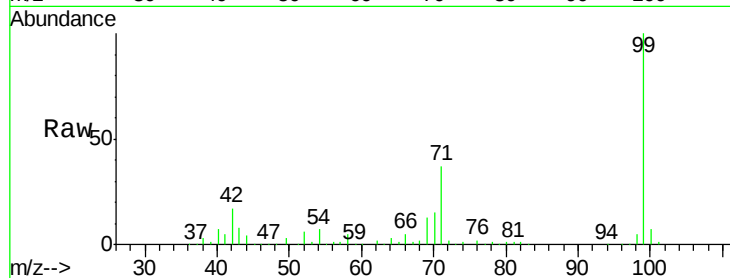
Tgt Ion: 99 Resp: 508384

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

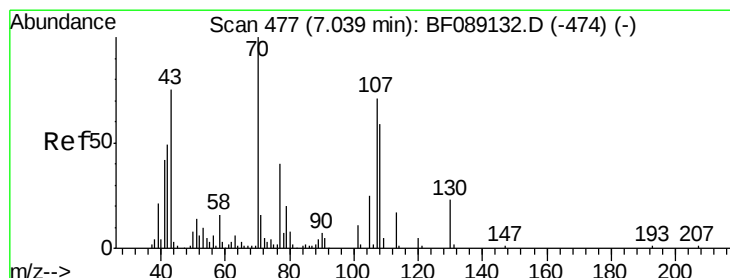
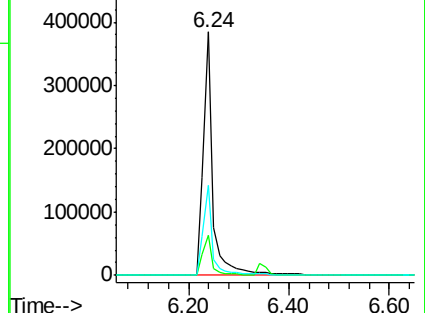
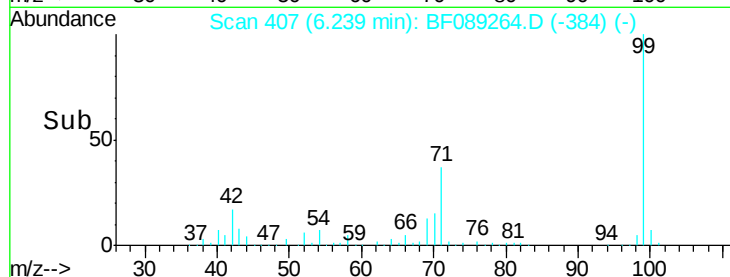
71 36.8 28.9 43.3



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: 14.67 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.11 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

Tgt Ion: 70 Resp: 39812

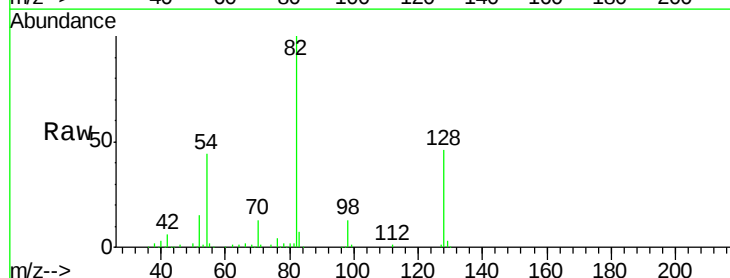
Ion Ratio Lower Upper

70 100

42 41.9 39.2 58.8

101 0.0 8.5 12.7#

130 2.1 18.4 27.6#

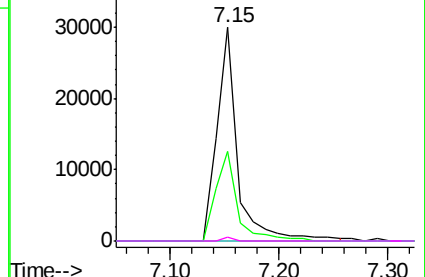
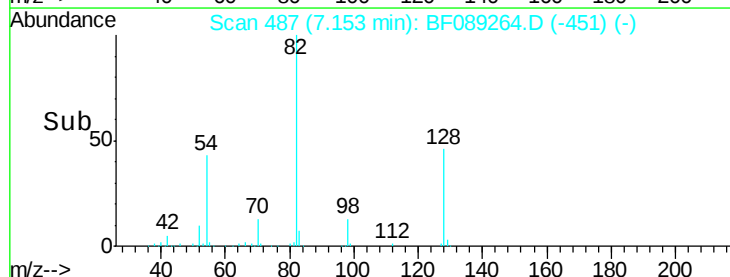


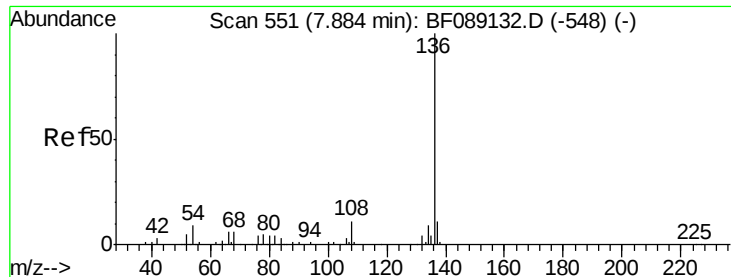
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

Tgt Ion:136 Resp: 214768

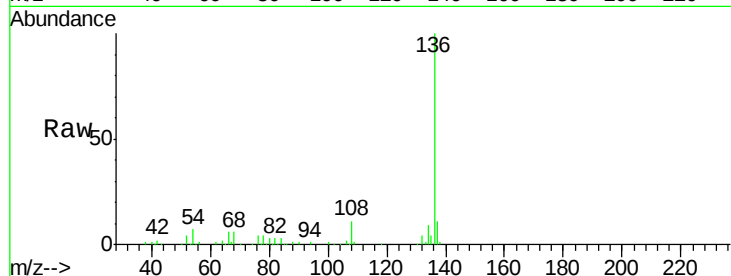
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.5 7.0 10.4

68 6.1 5.0 7.6

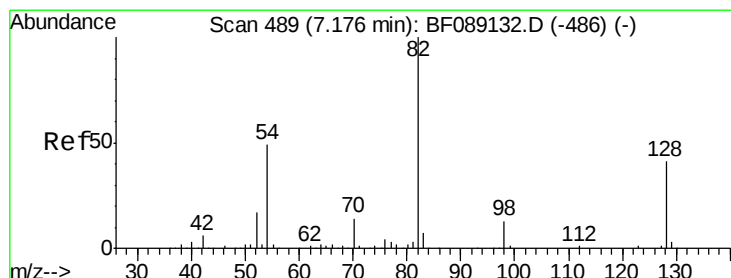
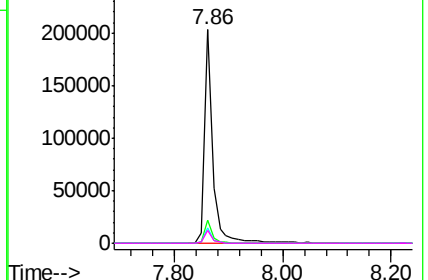
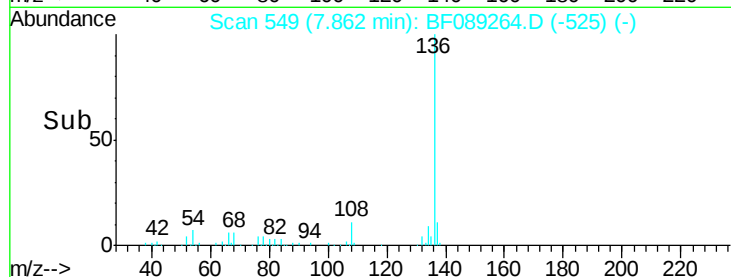


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.82 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.02 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

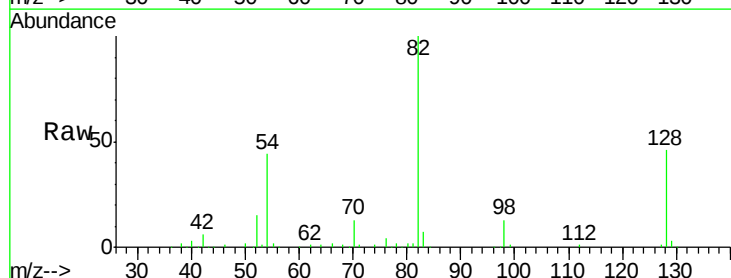
Tgt Ion: 82 Resp: 306485

Ion Ratio Lower Upper

82 100

128 46.5 33.0 49.6

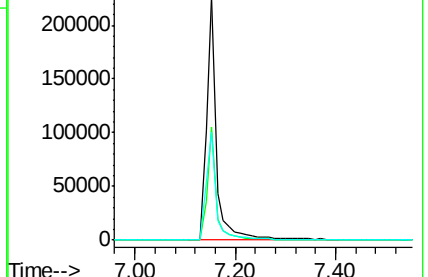
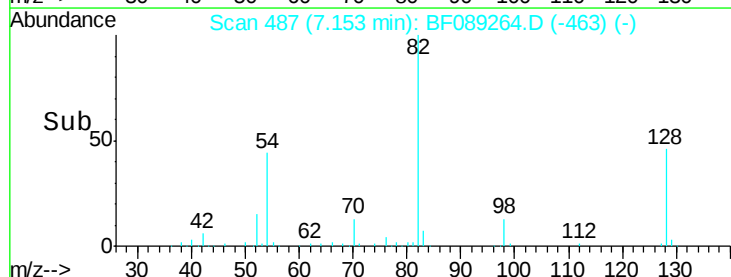
54 44.4 39.0 58.4

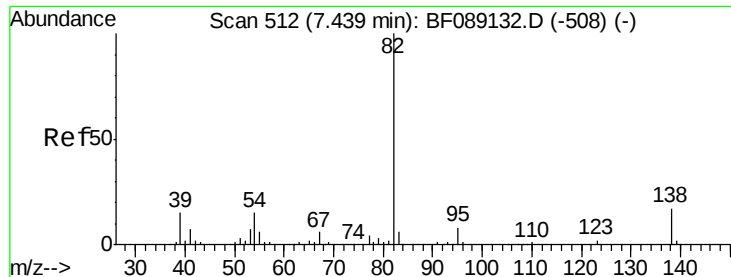


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.84 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.29 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

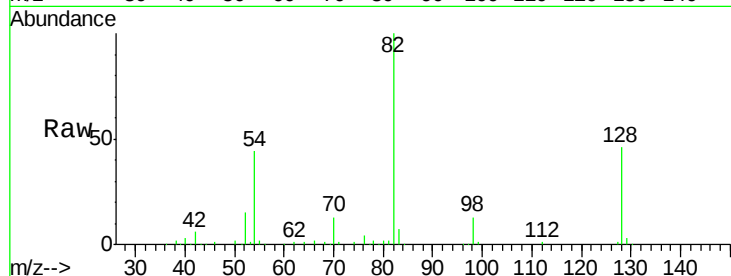
Tgt Ion: 82 Resp: 229775

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

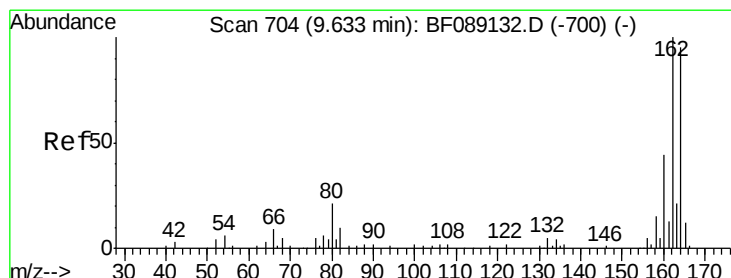
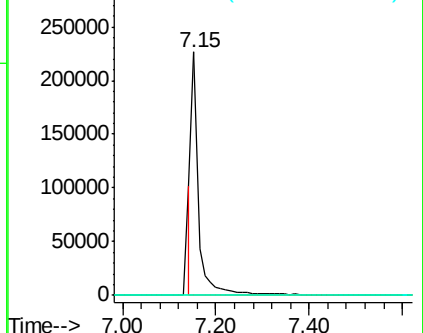
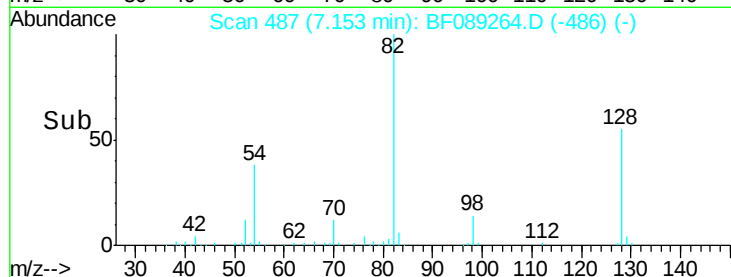
138 0.0 13.6 20.4#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

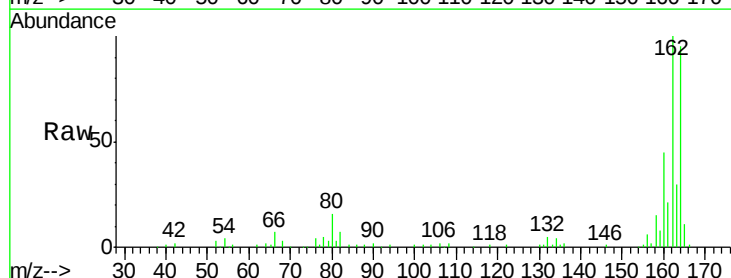
Tgt Ion: 164 Resp: 90542

Ion Ratio Lower Upper

164 100

162 105.6 84.1 126.1

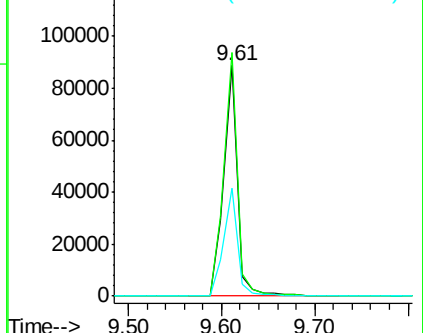
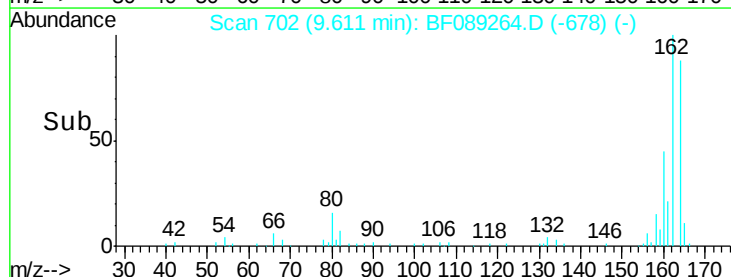
160 47.1 37.1 55.7

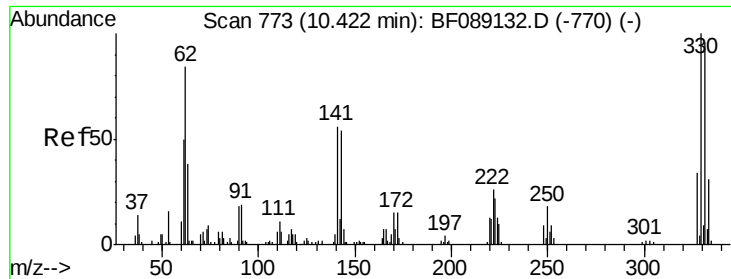


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

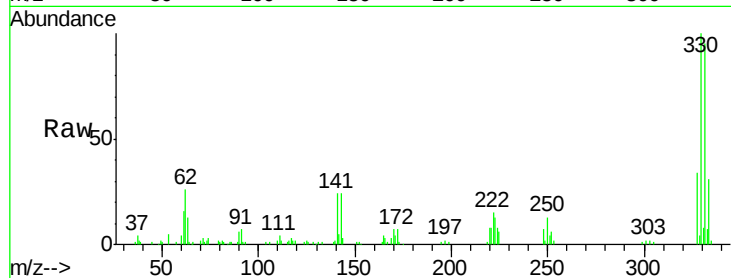




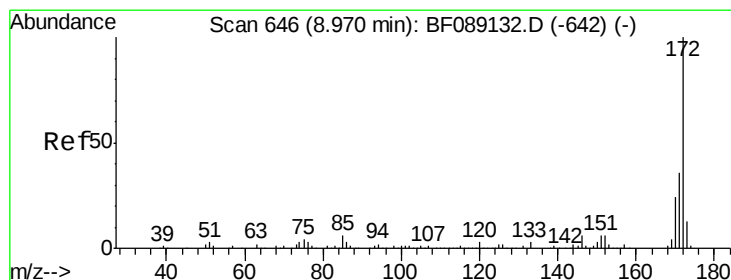
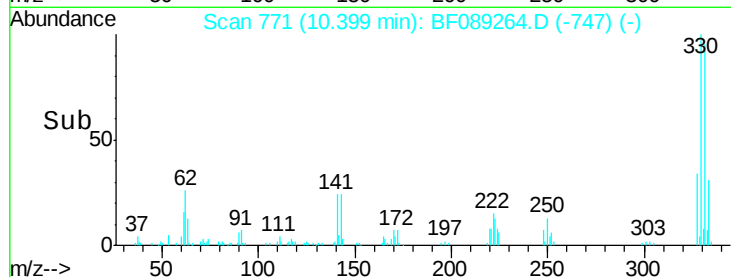
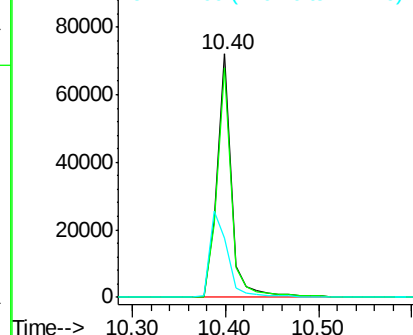
#41
 2,4,6-Tribromophenol
 Concen: 95.67 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF089264.D
 Acq: 24 Jul 2016 7:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Tgt Ion: 330 Resp: 77986
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.2 115.8
 141 44.2 42.2 63.2

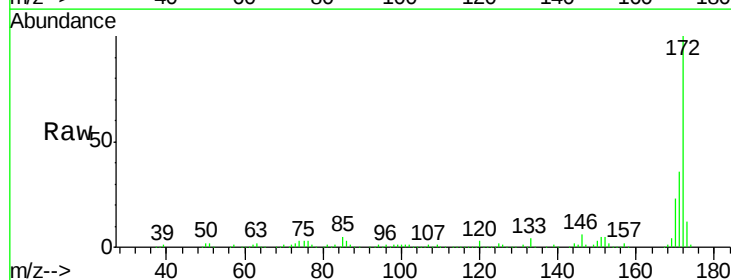


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

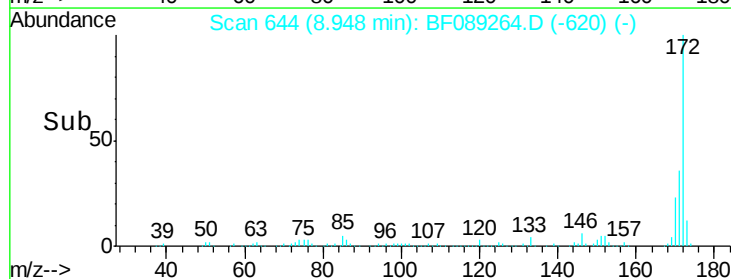
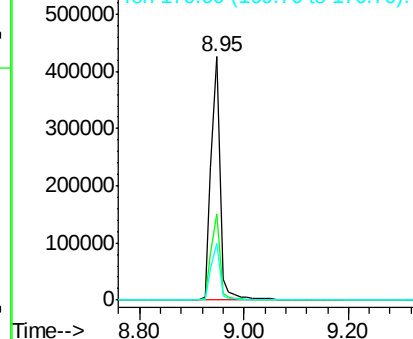


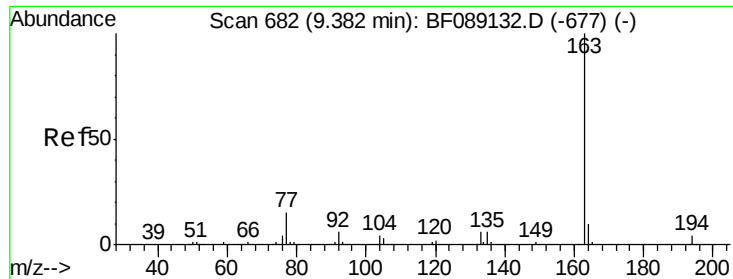
#44
 2-Fluorobiphenyl
 Concen: 78.77 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089264.D
 Acq: 24 Jul 2016 7:05

Tgt Ion: 172 Resp: 517656
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.2 43.8
 170 23.5 19.1 28.7



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

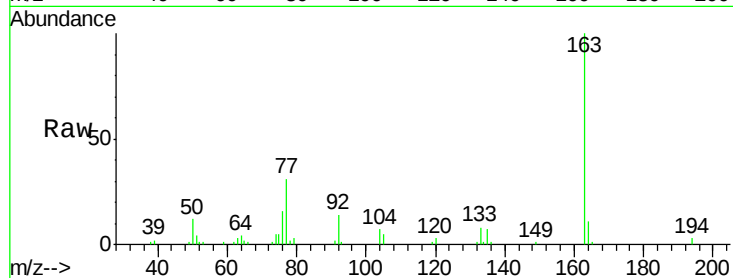




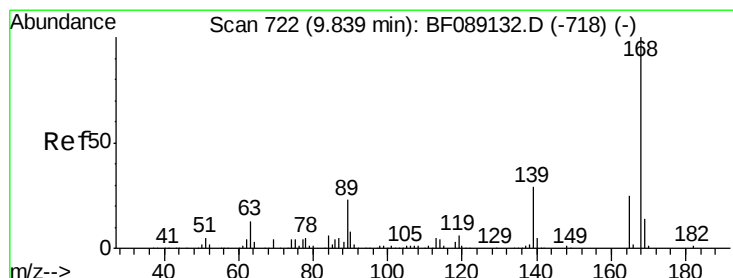
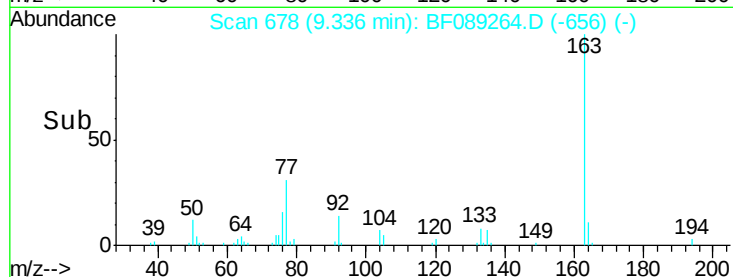
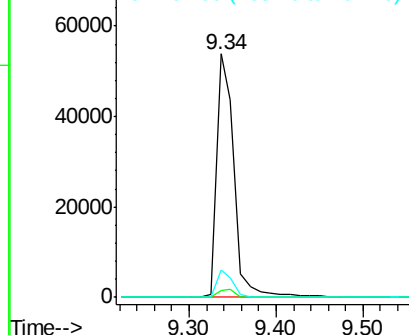
#49
Dimethylphthalate
Concen: 10.88 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.05 min
Lab File: BF089264.D
Acq: 24 Jul 2016 7:05

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tgt Ion:163 Resp: 75579
Ion Ratio Lower Upper
163 100
194 3.0 2.9 4.3
164 11.3 7.6 11.4

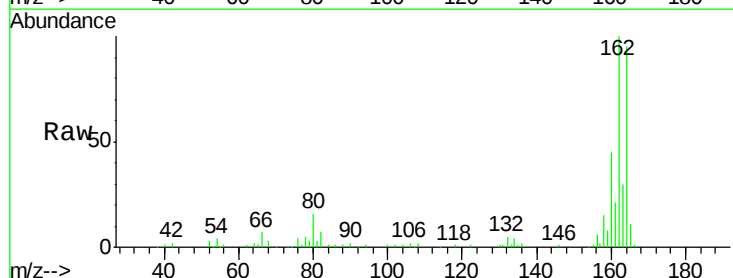


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

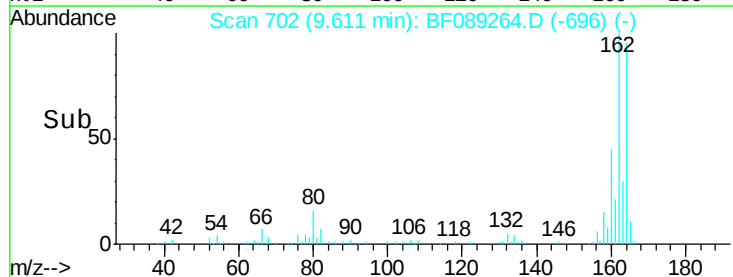
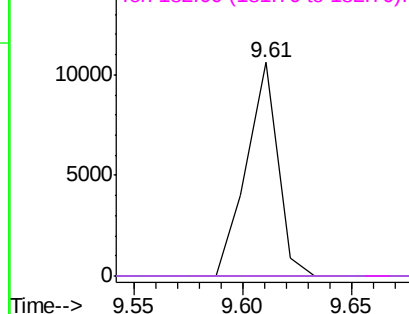


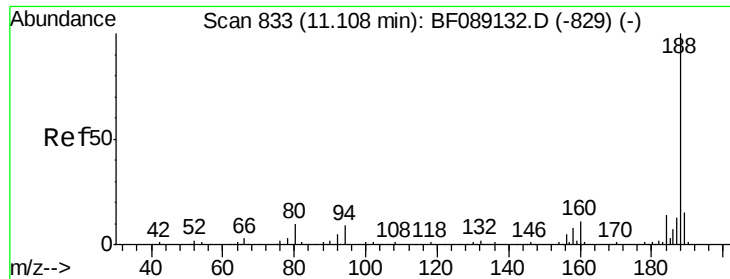
#56
2,4-Dinitrotoluene
Concen: 5.26 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.23 min
Lab File: BF089264.D
Acq: 24 Jul 2016 7:05

Tgt Ion:165 Resp: 10633
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.2#
89 0.0 74.3 111.5#
182 0.0 2.0 3.0#



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

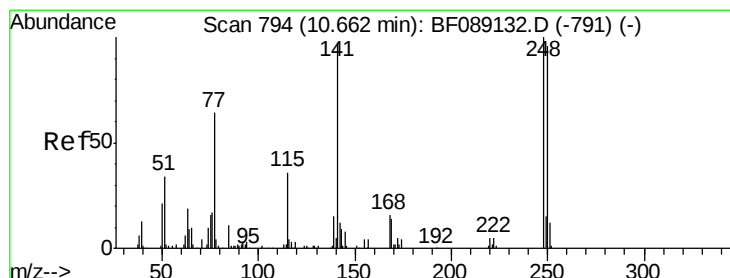
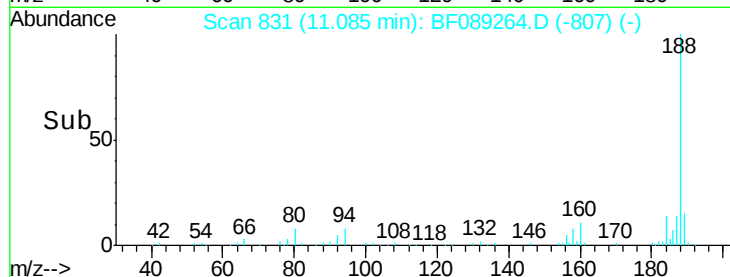
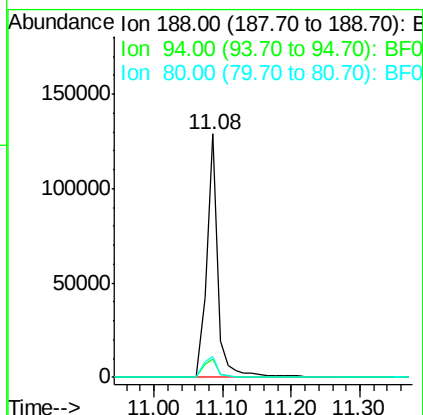
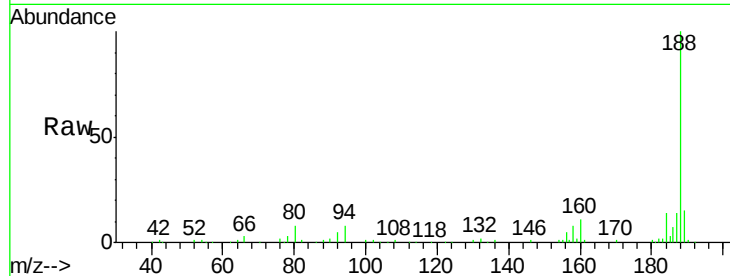




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 831
 Delta R.T. -0.02 min
 Lab File: BF089264.D
 Acq: 24 Jul 2016 7:05

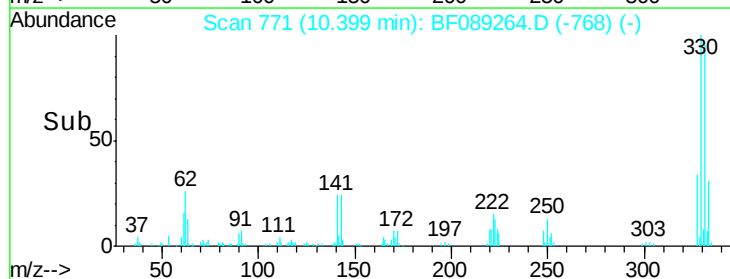
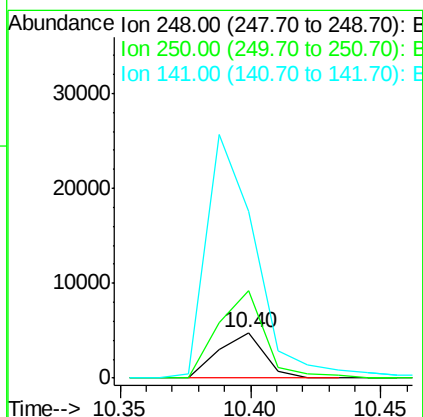
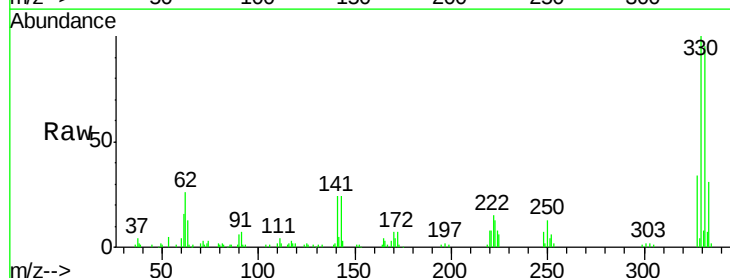
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

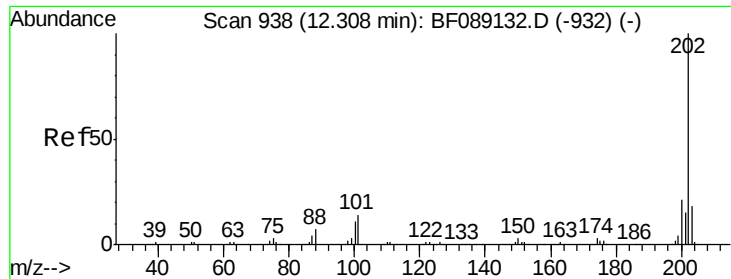
Tgt Ion:188 Resp: 145533
 Ion Ratio Lower Upper
 188 100
 94 7.7 7.0 10.4
 80 8.4 7.7 11.5



#66
 4-Bromophenyl-phenylether
 Concen: 4.05 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.26 min
 Lab File: BF089264.D
 Acq: 24 Jul 2016 7:05

Tgt Ion:248 Resp: 5835
 Ion Ratio Lower Upper
 248 100
 250 192.1 76.9 115.3#
 141 369.4 77.4 116.2#

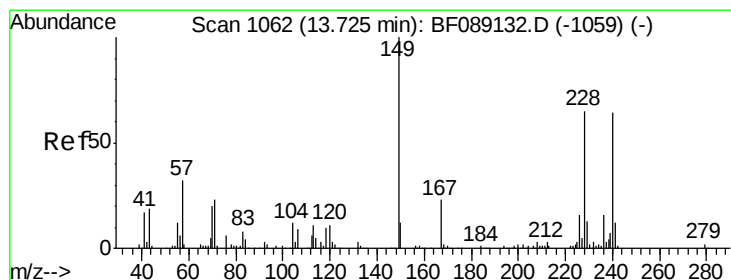
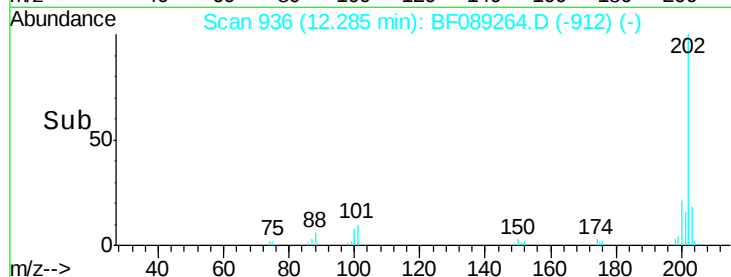
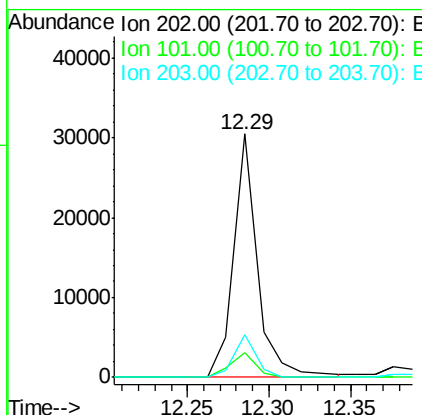
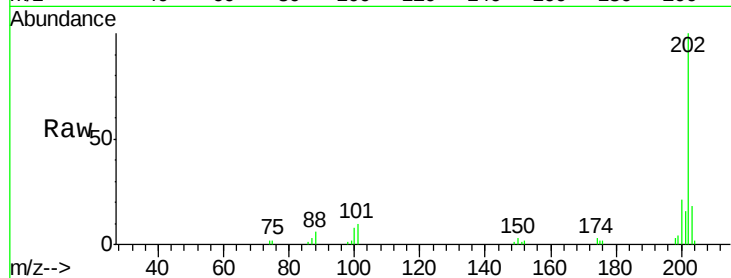




#74
Fluoranthene
 Concen: 3.64 ng
 RT: 12.29 min Scan# 936
 Delta R.T. -0.02 min
 Lab File: BF089264.D
 Acq: 24 Jul 2016 7:05

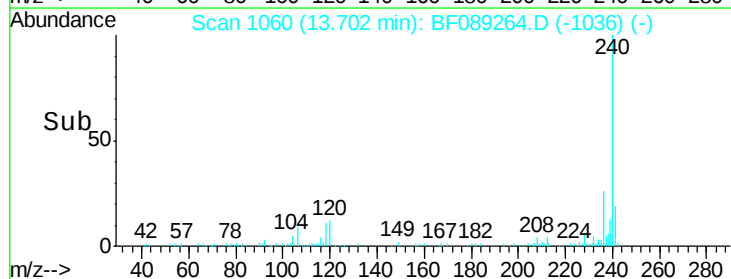
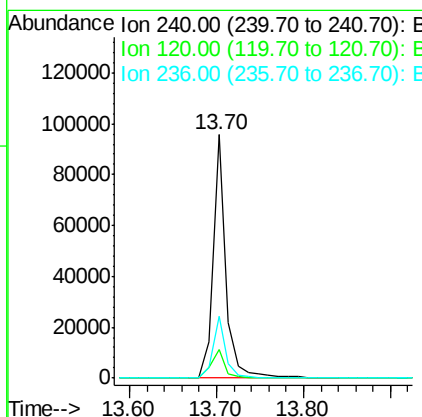
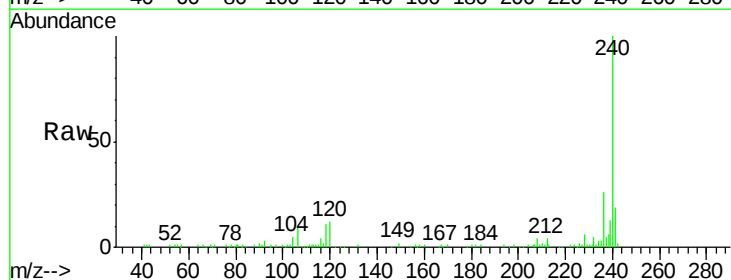
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

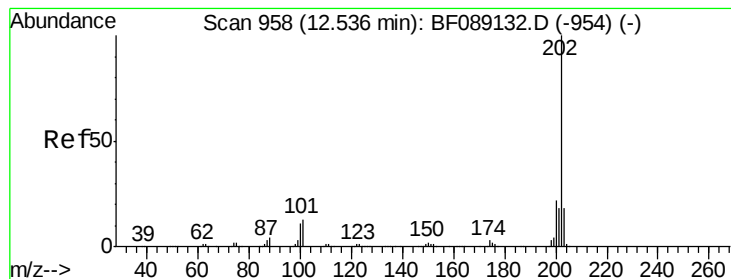
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	34.0
203	17.6	0.0	37.8



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.02 min
 Lab File: BF089264.D
 Acq: 24 Jul 2016 7:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	13.6	20.4#
236	25.5	20.5	30.7





#77

Pyrene

Concen: 3.42 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

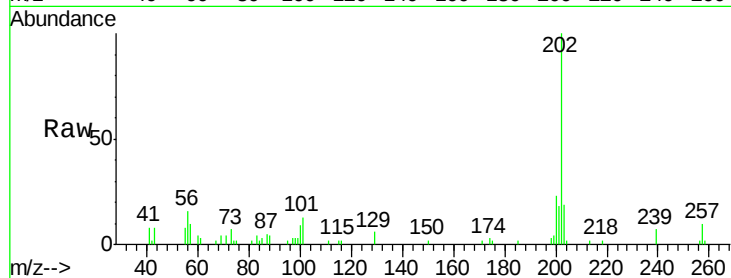
Tgt Ion:202 Resp: 27901

Ion Ratio Lower Upper

202 100

200 22.8 17.4 26.0

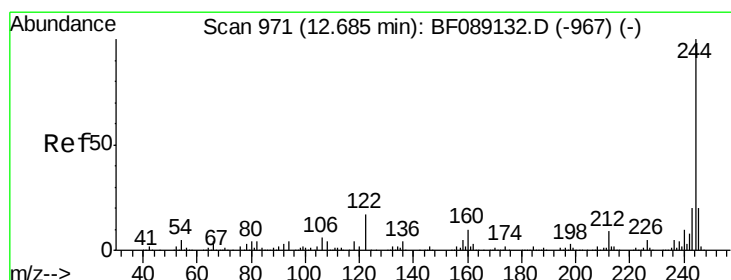
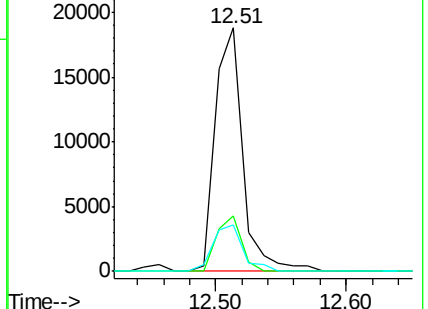
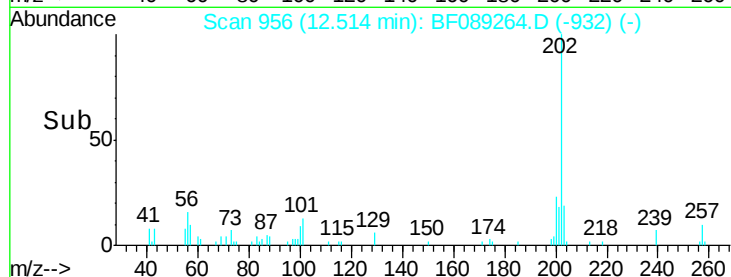
203 18.9 14.2 21.2



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: 63.70 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

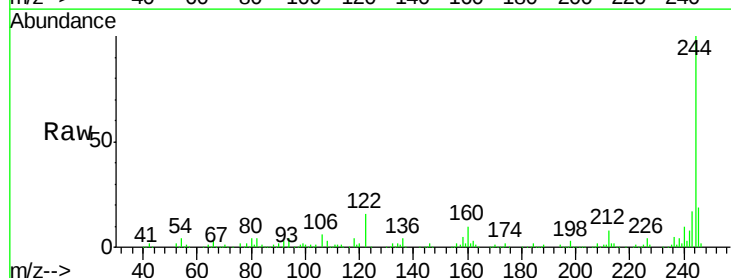
Tgt Ion:244 Resp: 289843

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.4

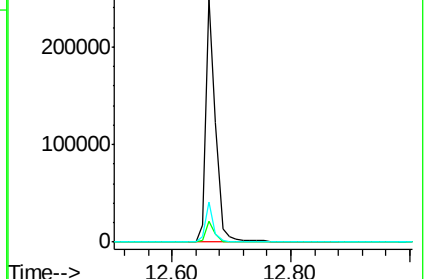
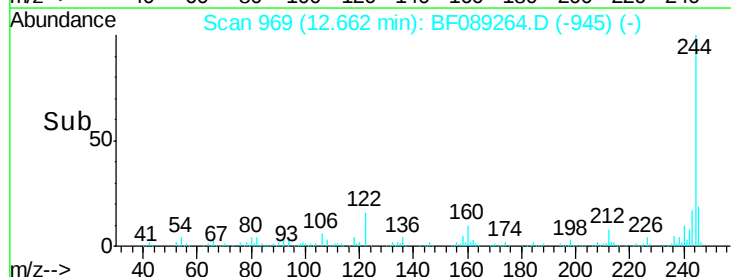
122 16.3 13.8 20.8

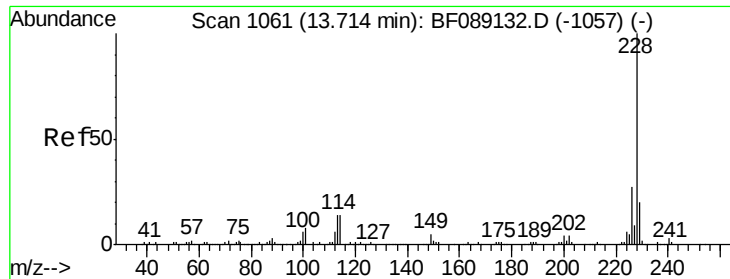


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.85 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.02 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

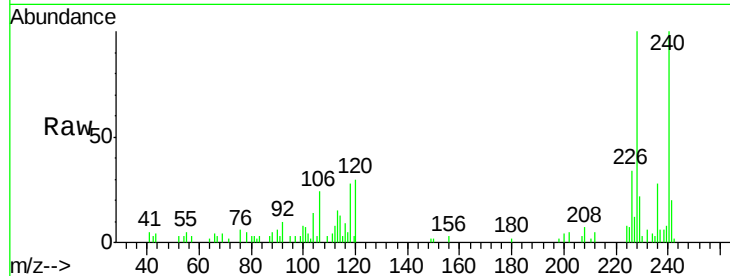
Tgt Ion:228 Resp: 17886

Ion Ratio Lower Upper

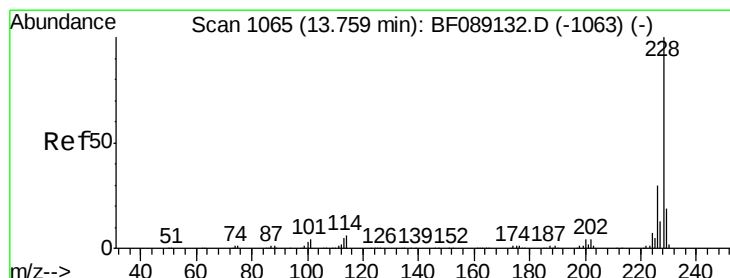
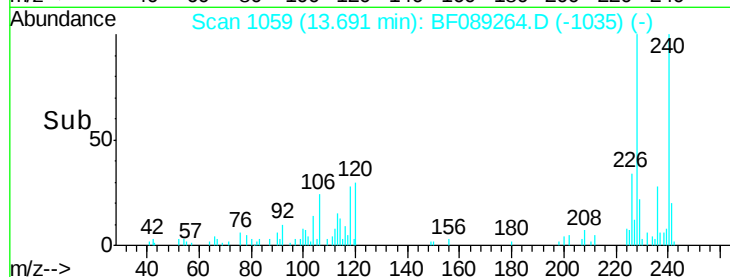
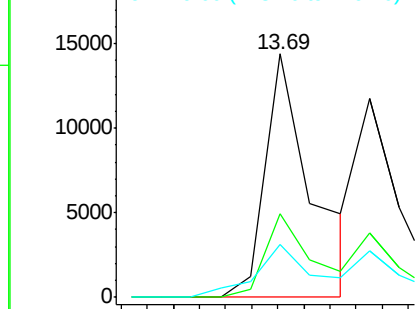
228 100

226 34.4 21.8 32.8#

229 21.7 15.8 23.8



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: 2.98 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

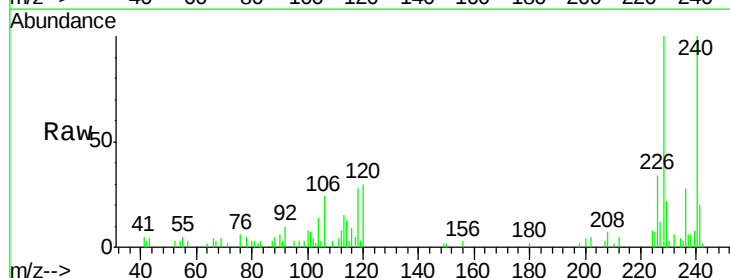
Tgt Ion:228 Resp: 17886

Ion Ratio Lower Upper

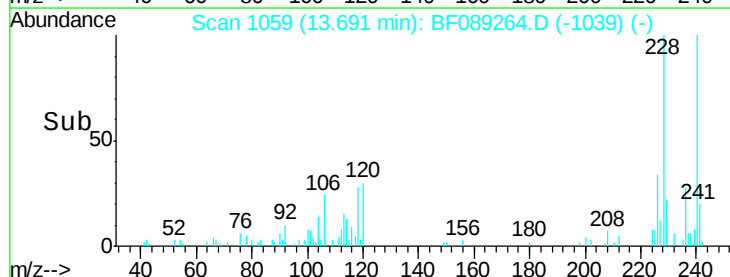
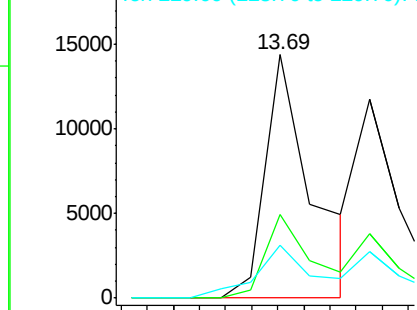
228 100

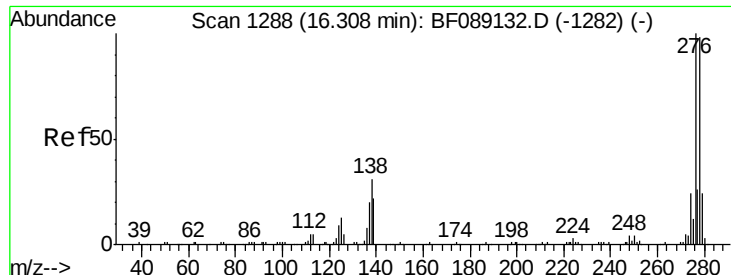
226 34.4 23.8 35.8

229 21.7 15.4 23.0



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

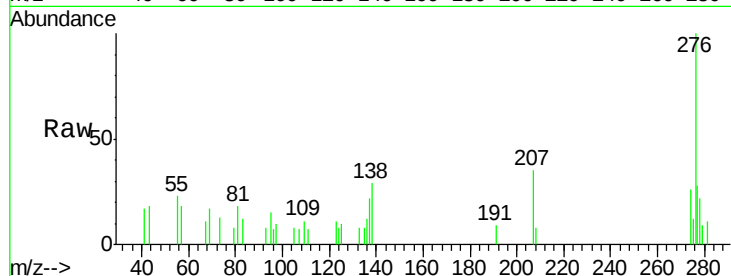




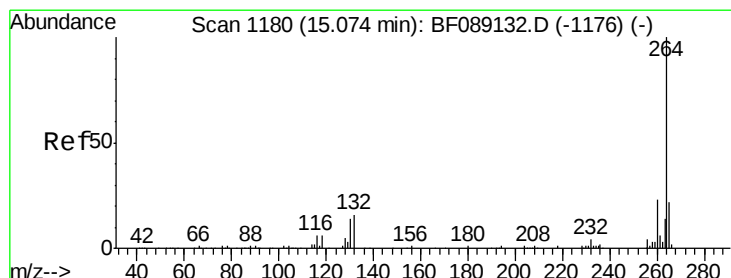
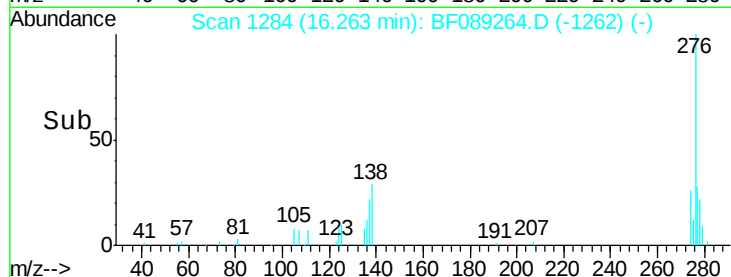
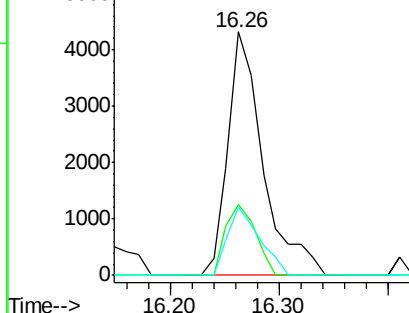
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.22 ng
 RT: 16.26 min Scan# 1284
 Delta R.T. -0.05 min
 Lab File: BF089264.D
 Acq: 24 Jul 2016 7:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	23.7	35.5
277	25.4	20.6	31.0

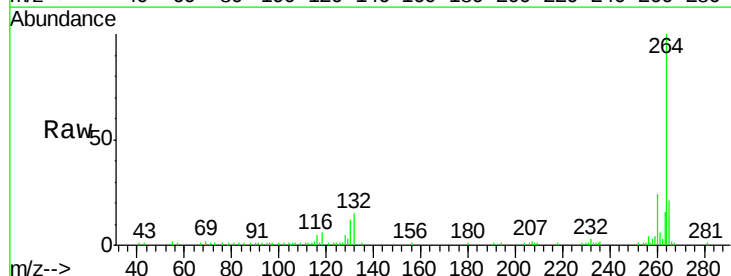


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

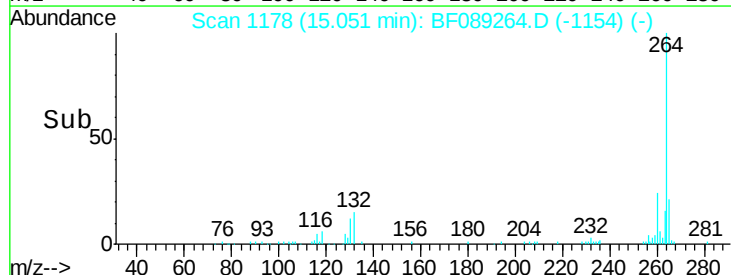
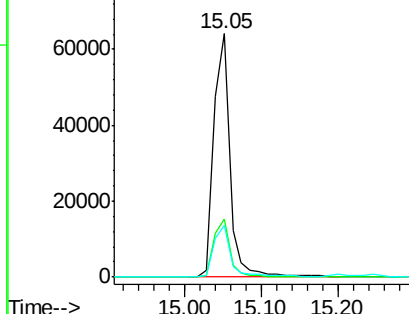


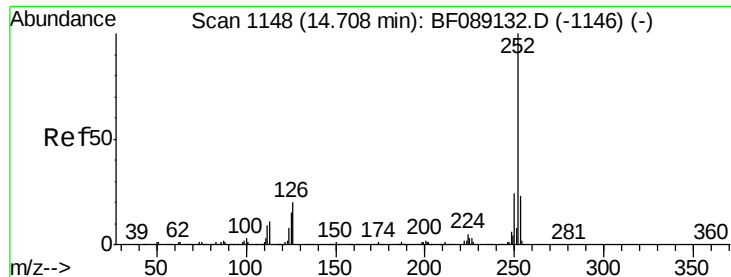
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BF089264.D
 Acq: 24 Jul 2016 7:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	21.1	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

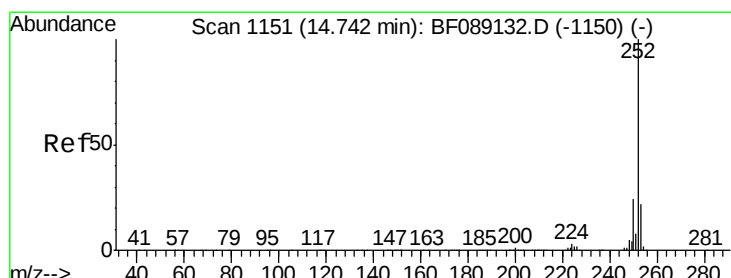
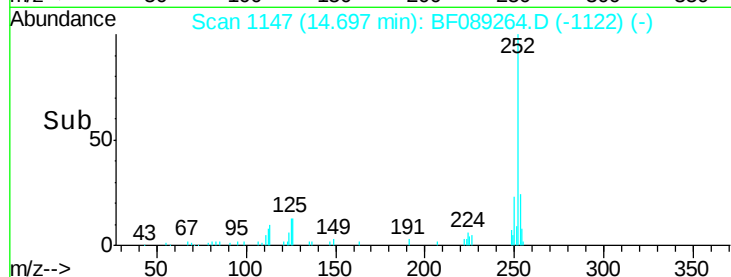
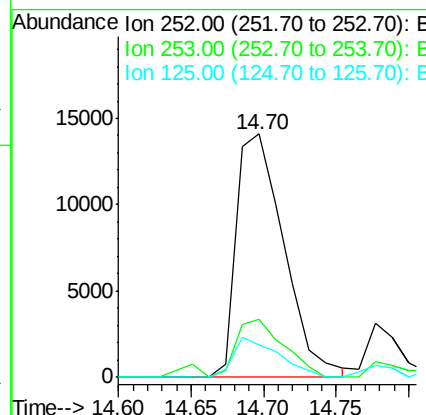
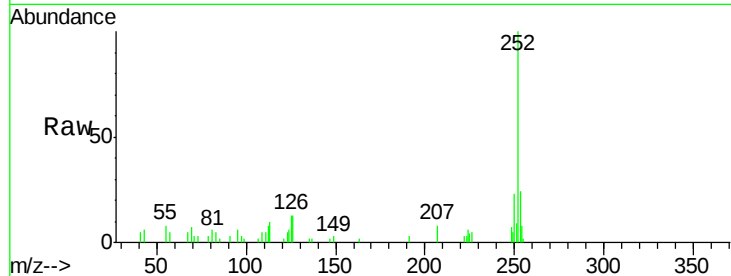




#87
Benzo(b)fluoranthene
Concen: 4.72 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF089264.D
Acq: 24 Jul 2016 7:05

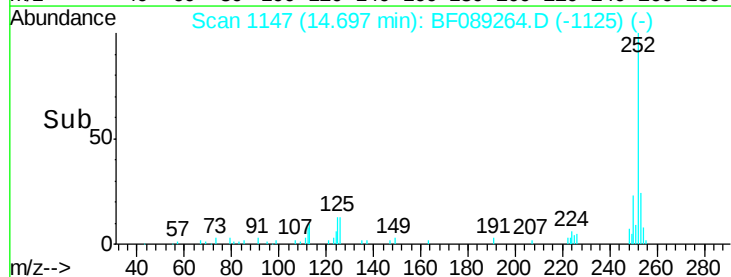
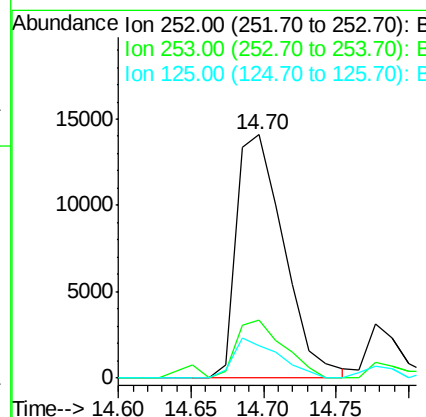
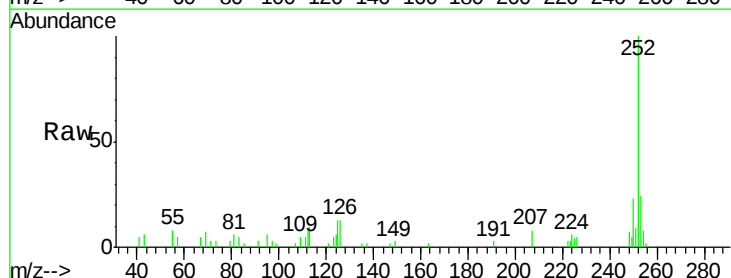
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

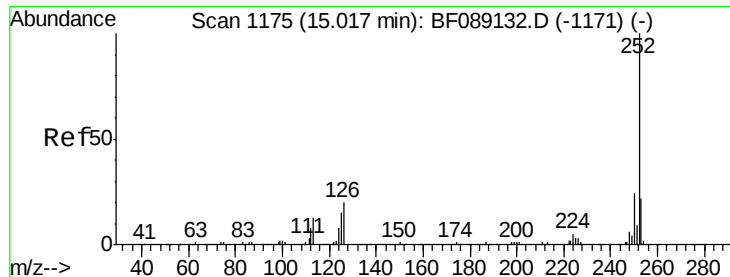
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	13.1	11.9	17.9



#88
Benzo(k)fluoranthene
Concen: 6.60 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF089264.D
Acq: 24 Jul 2016 7:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	13.1	6.3	9.5#





#89

Benzo(a)pyrene

Concen: 3.18 ng

RT: 14.99 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

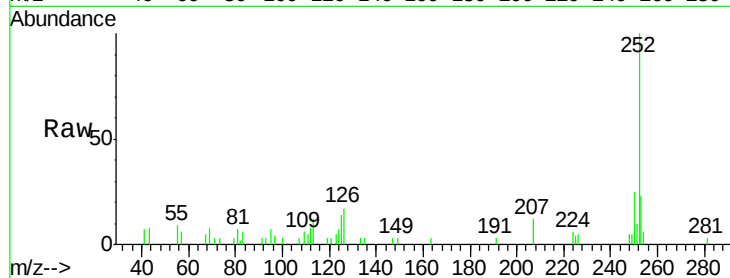
Tgt Ion:252 Resp: 16708

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

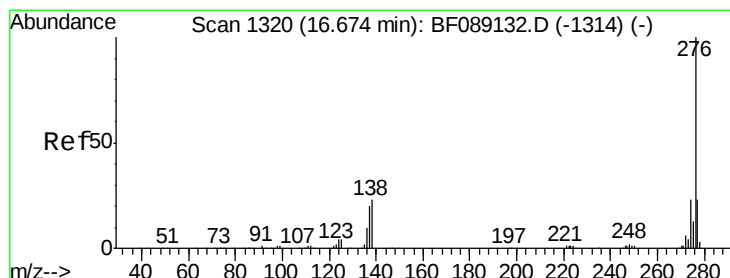
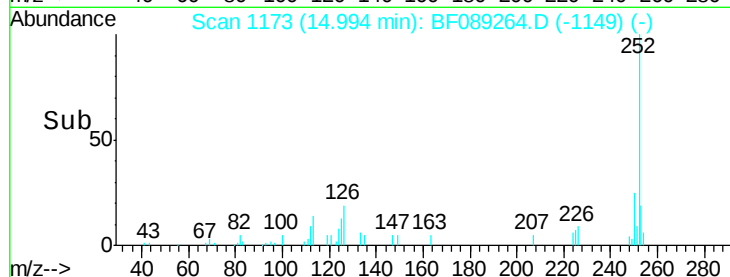
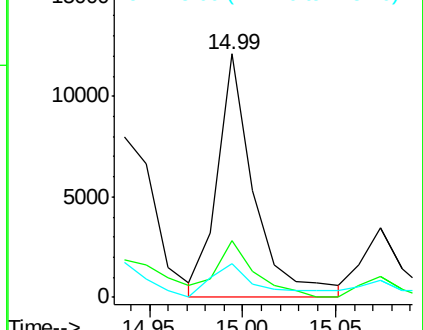
125 13.8 12.4 18.6



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: 2.03 ng

RT: 16.63 min Scan# 1316

Delta R.T. -0.05 min

Lab File: BF089264.D

Acq: 24 Jul 2016 7:05

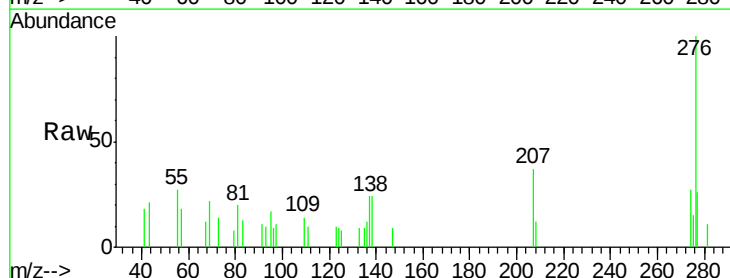
Tgt Ion:276 Resp: 8489

Ion Ratio Lower Upper

276 100

277 26.1 18.5 27.7

138 23.9 18.5 27.7



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

