

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
 Data File : BF081592.D
 Acq On : 11 Sep 2015 19:56
 Operator : UM/IZ
 Sample : G3511-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(0-0.16)

Quant Time: Sep 12 00:14:14 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 11 23:14:51 2015
 Response via : Initial Calibration

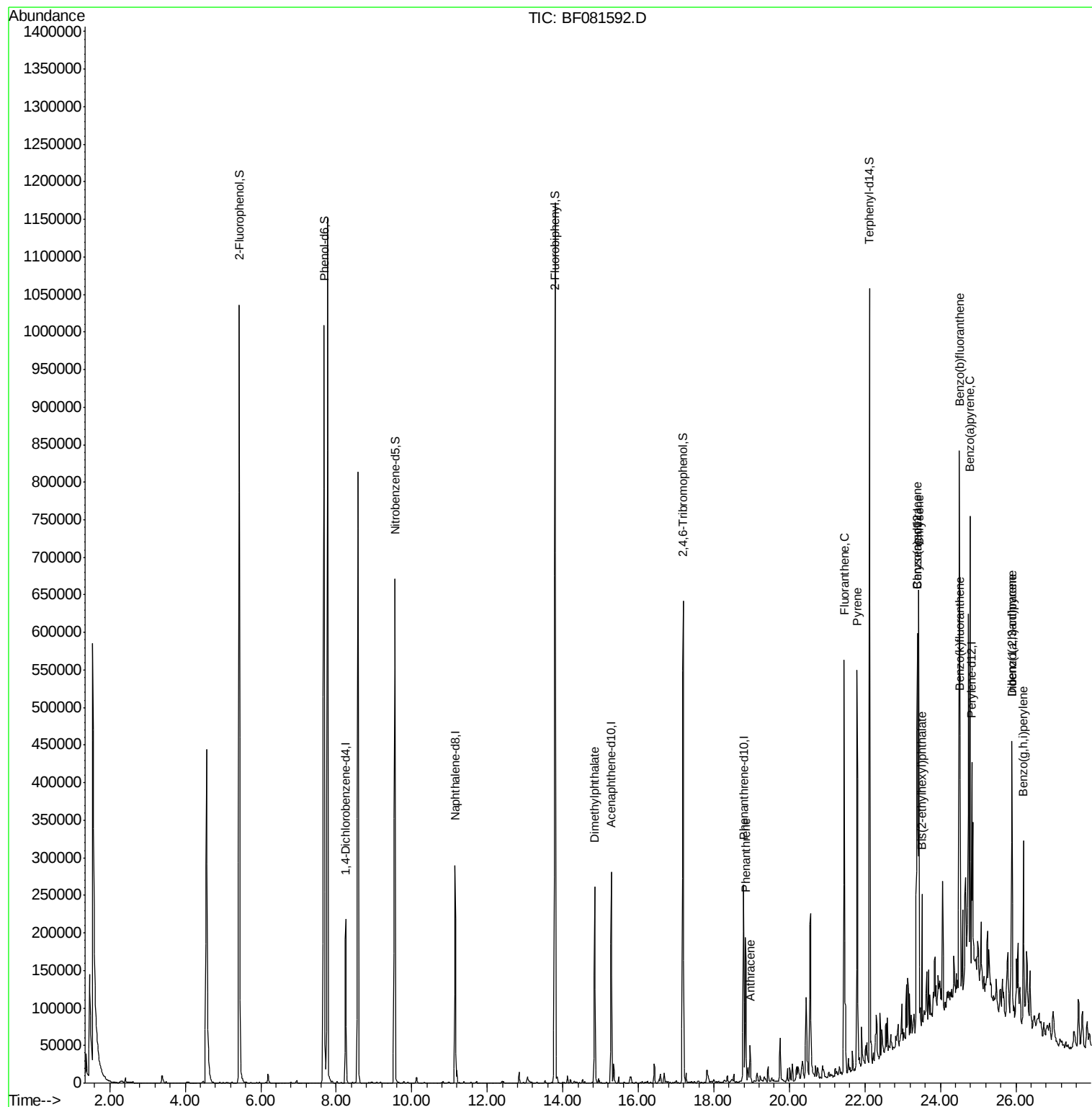
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	57989	20.00	ng	0.00
21) Naphthalene-d8	11.14	136	224527	20.00	ng	-0.01
38) Acenaphthene-d10	15.28	164	99375	20.00	ng	-0.01
63) Phenanthrene-d10	18.79	188	181100	20.00	ng	0.00
75) Chrysene-d12	23.40	240	104861	20.00	ng	-0.01
86) Perylene-d12	24.84	264	102171	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	471157	126.06	ng	0.03
7) Phenol-d6	7.68	99	637989	128.96	ng	0.00
23) Nitrobenzene-d5	9.55	82	429362	92.26	ng	0.00
41) 2,4,6-Tribromophenol	17.19	330	114183	129.04	ng	-0.01
44) 2-Fluorobiphenyl	13.80	172	677474	87.36	ng	-0.01
78) Terphenyl-d14	22.13	244	416575	92.48	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.85	163	168437	21.82	ng	# 96
70) Phenanthrene	18.84	178	135638	13.47	ng	96
71) Anthracene	18.96	178	32236	3.12	ng	98
74) Fluoranthene	21.45	202	310831	28.52	ng	89
77) Pyrene	21.80	202	281032	36.18	ng	97
80) Benzo(a)anthracene	23.40	228	200314	30.00	ng	97
82) Chrysene	23.43	228	199111	33.26	ng	94
83) Bis(2-ethylhexyl)phthalate	23.51	149	25984	5.83	ng	# 90
85) Indeno(1,2,3-cd)pyrene	25.90	276	179972	40.98	ng	# 82
87) Benzo(b)fluoranthene	24.50	252	395065m	54.16	ng	
88) Benzo(k)fluoranthene	24.52	252	87388m	14.44	ng	
89) Benzo(a)pyrene	24.79	252	240837	38.96	ng	# 86
90) Dibenzo(a,h)anthracene	25.90	278	48706m	10.20	ng	
91) Benzo(g,h,i)perylene	26.21	276	160959	35.31	ng	# 74

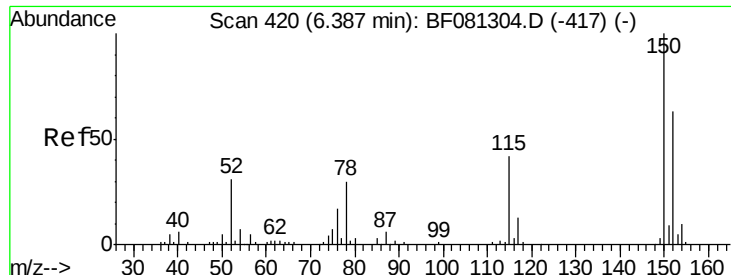
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.25 min Scan# 605

Delta R.T. -0.00 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

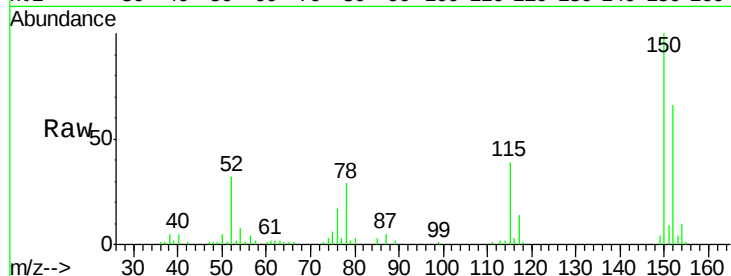
Tgt Ion:152 Resp: 57989

Ion Ratio Lower Upper

152 100

150 151.9 124.7 187.1

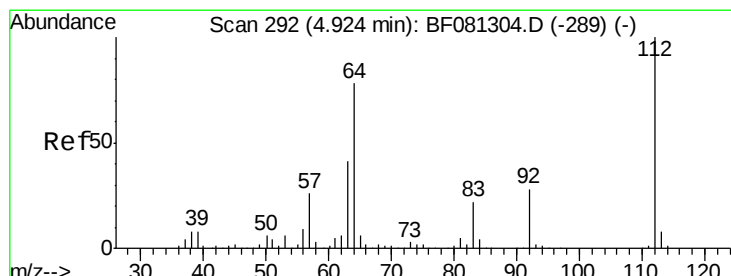
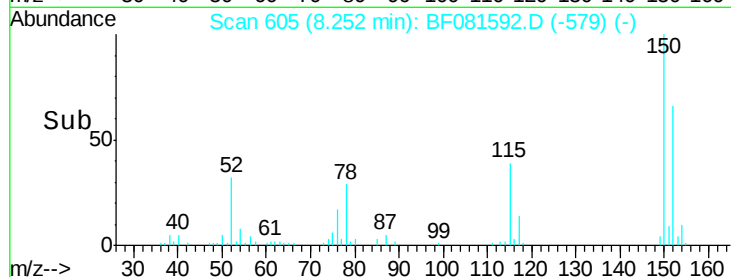
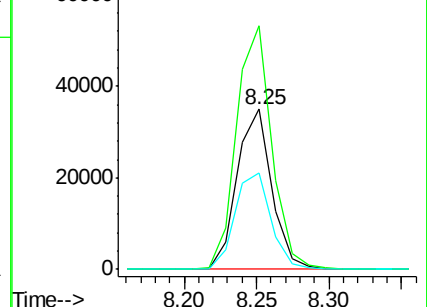
115 59.8 39.0 58.4#



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: 126.06 ng

RT: 5.43 min Scan# 358

Delta R.T. 0.03 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

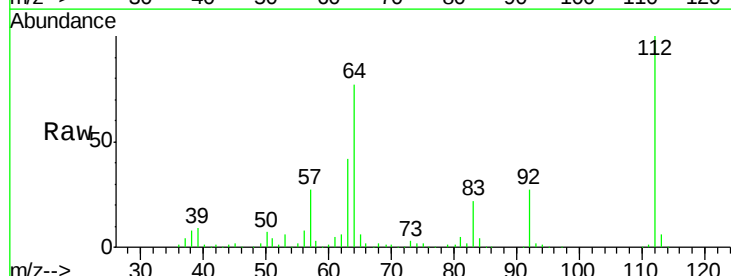
Tgt Ion:112 Resp: 471157

Ion Ratio Lower Upper

112 100

64 77.1 39.7 59.5#

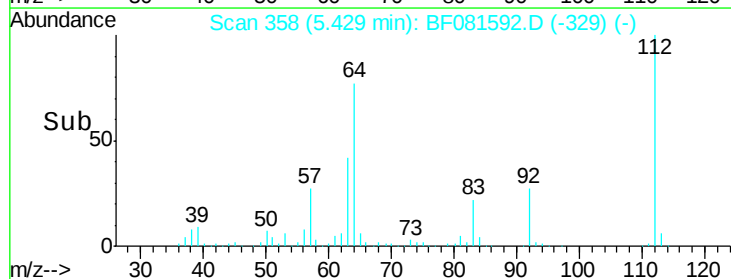
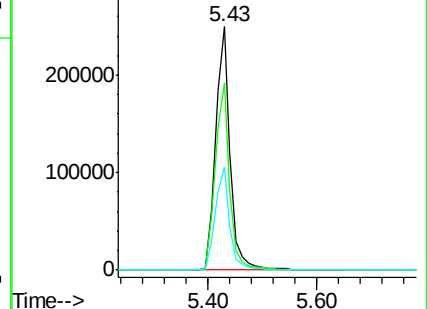
63 42.4 17.4 26.0#

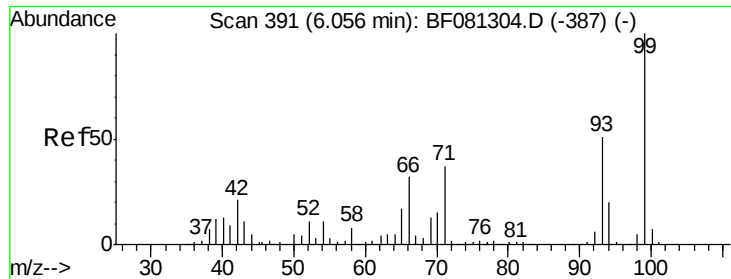


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 128.96 ng

RT: 7.68 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

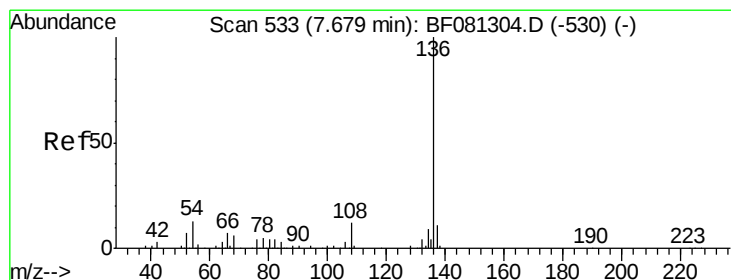
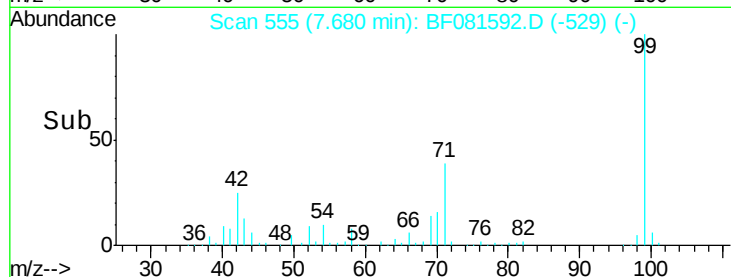
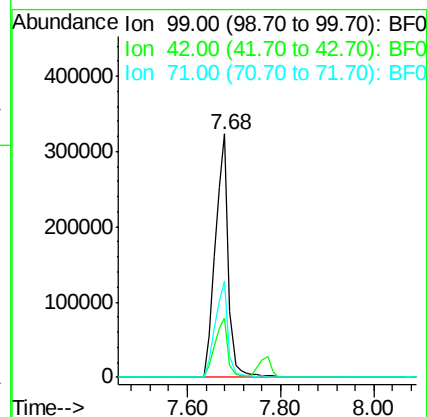
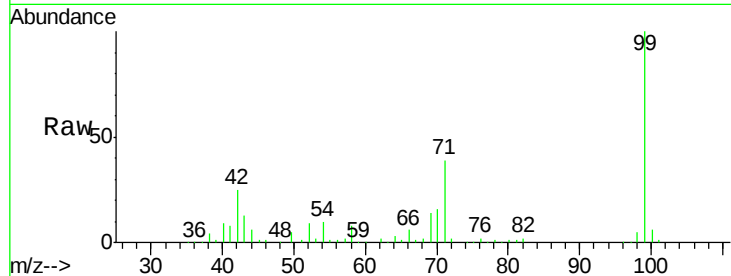
Tgt Ion: 99 Resp: 637989

Ion Ratio Lower Upper

99 100

42 24.6 13.7 20.5#

71 39.4 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.14 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

Tgt Ion: 136 Resp: 224527

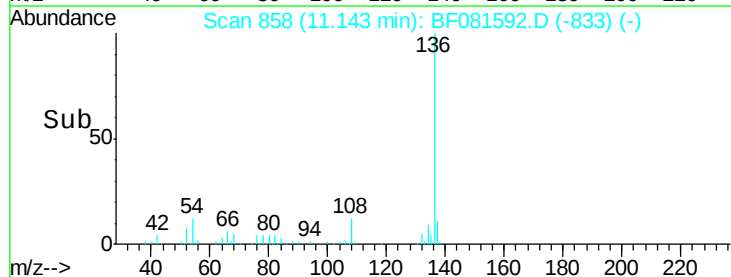
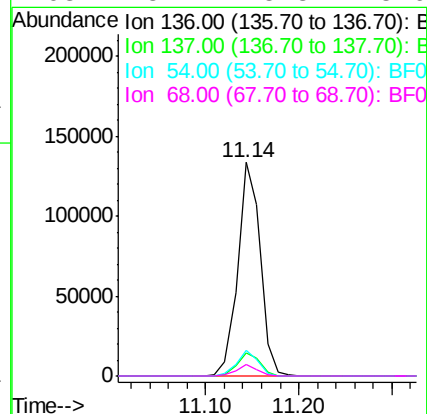
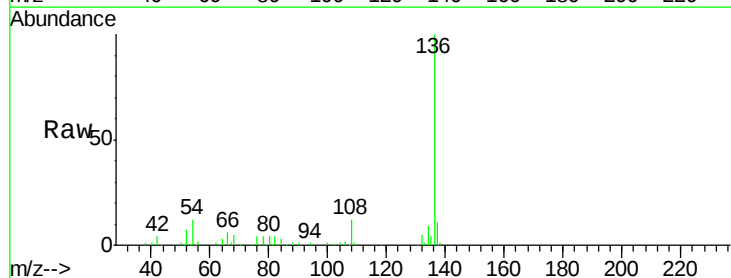
Ion Ratio Lower Upper

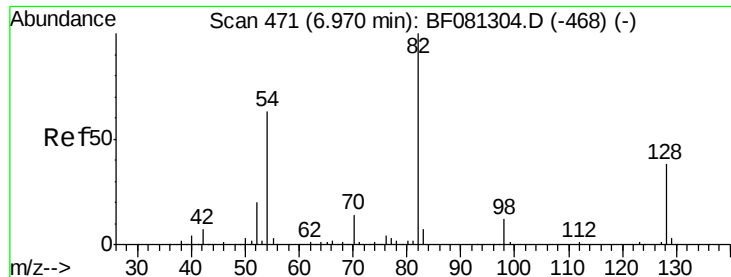
136 100

137 10.9 9.0 13.6

54 12.2 8.2 12.2

68 5.2 5.8 8.6#

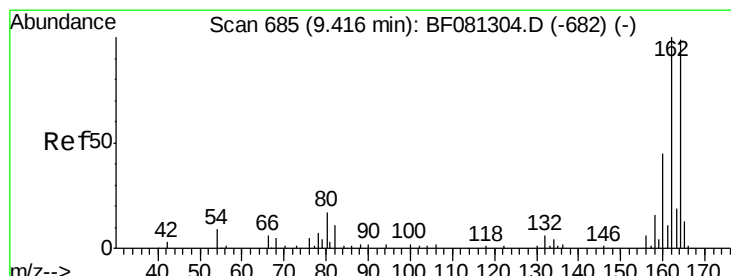
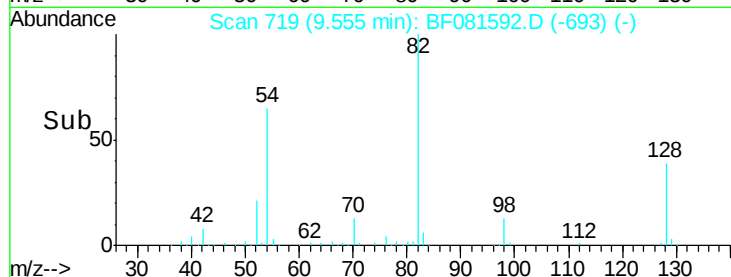
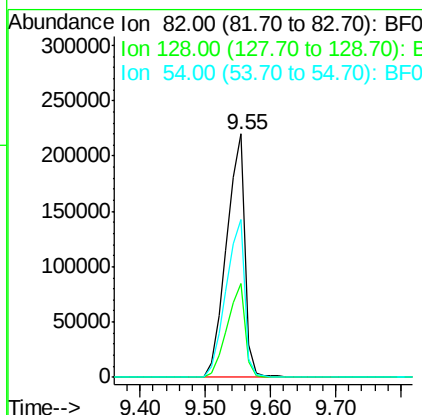
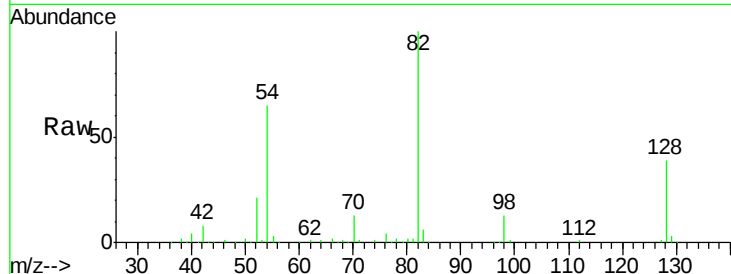




#23
 Nitrobenzene-d5
 Concen: 92.26 ng
 RT: 9.55 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: BF081592.D
 Acq: 11 Sep 2015 19:56

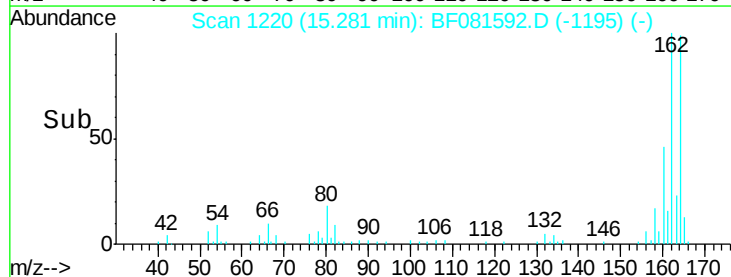
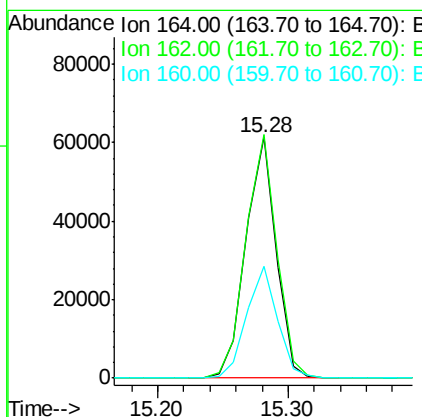
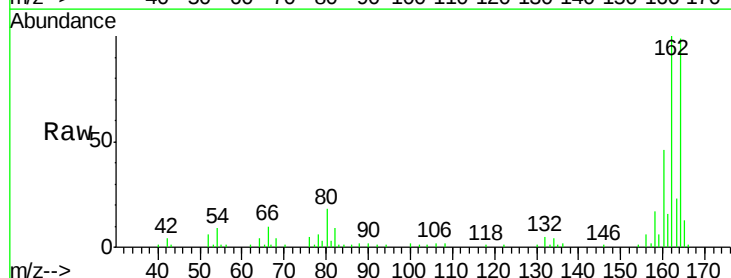
Instrument :
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 SB-03(0-0.16)

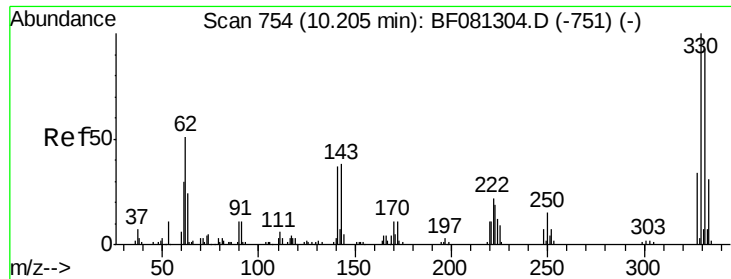
Tgt Ion: 82 Resp: 429362
 Ion Ratio Lower Upper
 82 100
 128 38.5 51.0 76.6#
 54 65.0 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: BF081592.D
 Acq: 11 Sep 2015 19:56

Tgt Ion: 164 Resp: 99375
 Ion Ratio Lower Upper
 164 100
 162 101.2 75.2 112.8
 160 46.7 31.5 47.3

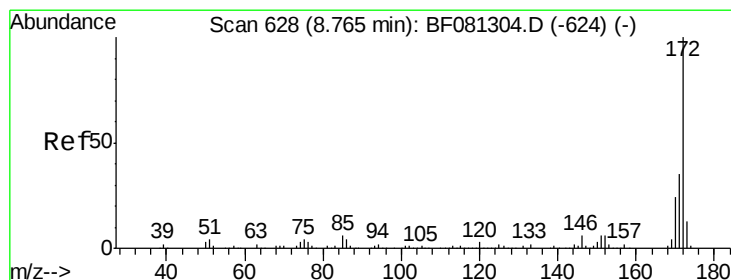
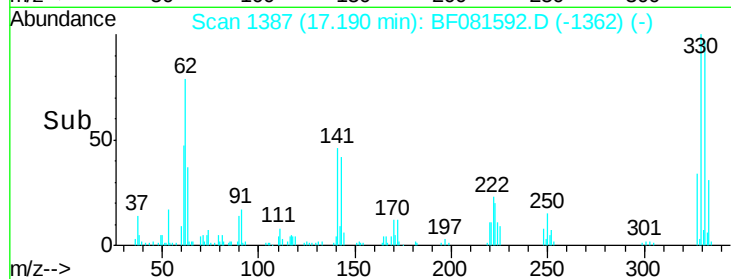
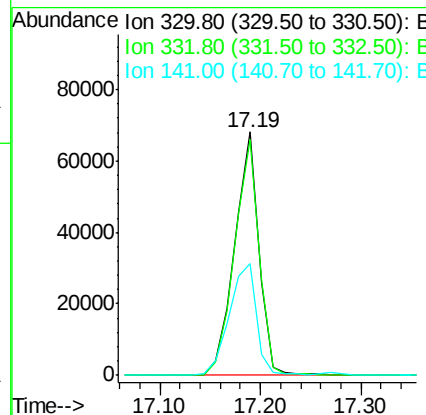
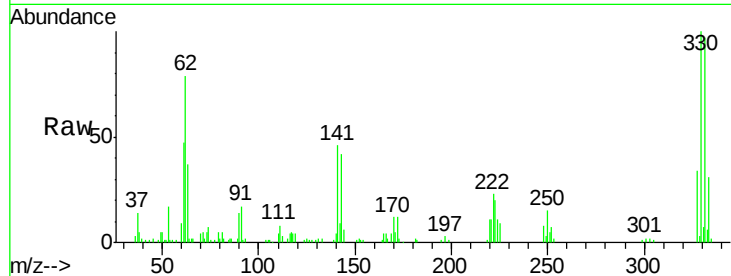




#41
 2,4,6-Tribromophenol
 Concen: 129.04 ng
 RT: 17.19 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF081592.D
 Acq: 11 Sep 2015 19:56

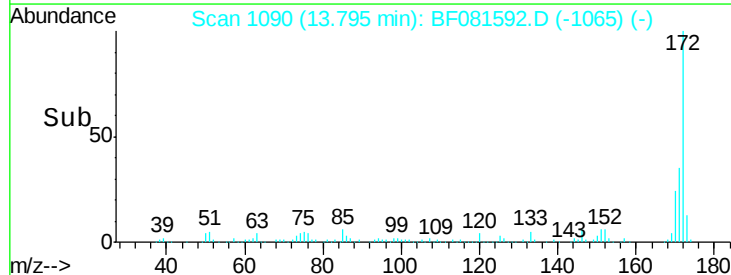
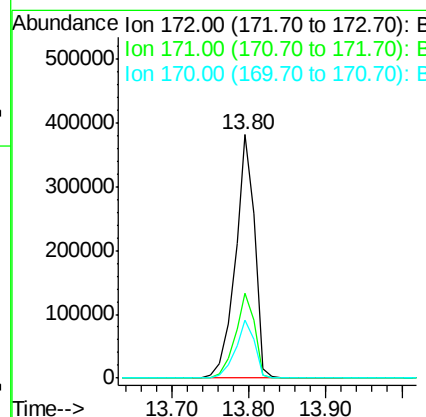
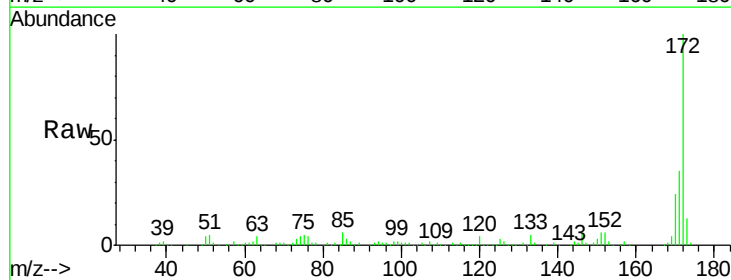
Instrument :
 BNA_F
 ClientSampleId :
 SB-03(0-0.16)

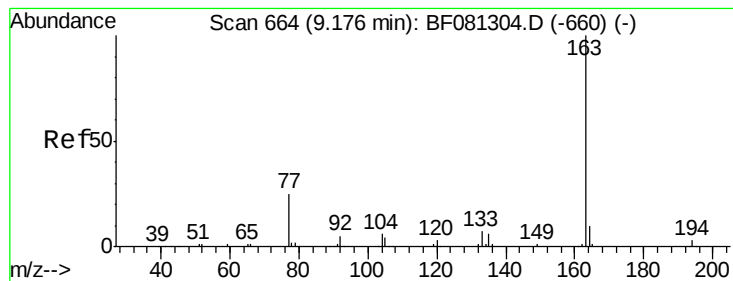
Tgt Ion:330 Resp: 114183
 Ion Ratio Lower Upper
 330 100
 332 98.4 76.6 114.8
 141 51.2 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 87.36 ng
 RT: 13.80 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: BF081592.D
 Acq: 11 Sep 2015 19:56

Tgt Ion:172 Resp: 677474
 Ion Ratio Lower Upper
 172 100
 171 34.8 26.1 39.1
 170 23.9 17.4 26.2





#49

Dimethylphthalate

Concen: 21.82 ng

RT: 14.85 min Scan# 1182

Delta R.T. -0.03 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

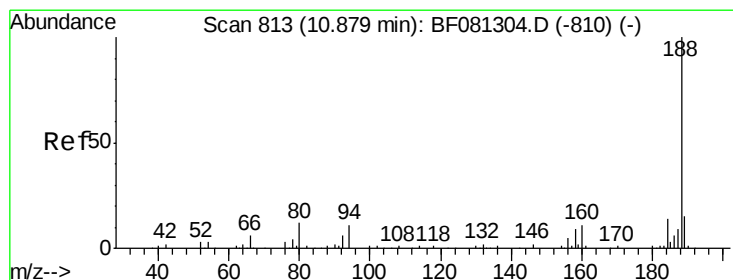
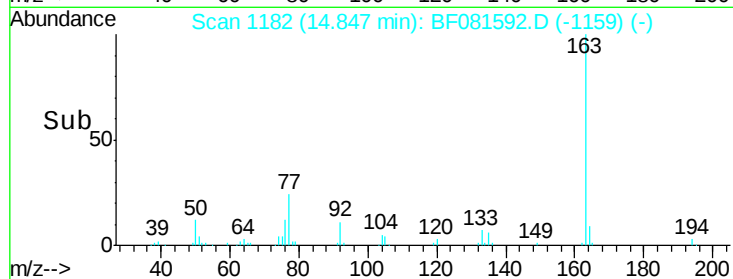
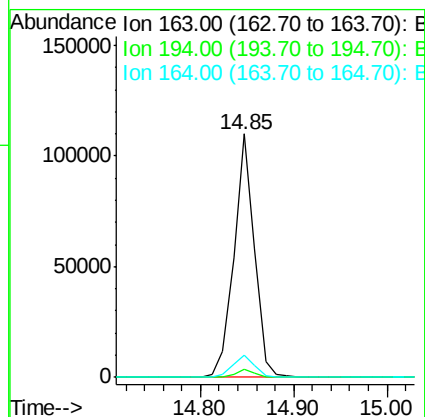
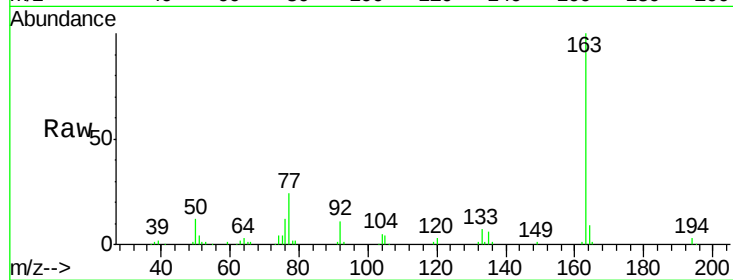
Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

Tgt Ion:	163	Resp:	168437
Ion Ratio	Lower	Upper	
163	100		
194	3.2	4.4	6.6#
164	9.3	8.3	12.5



#63

Phenanthrene-d10

Concen: 20.00 ng

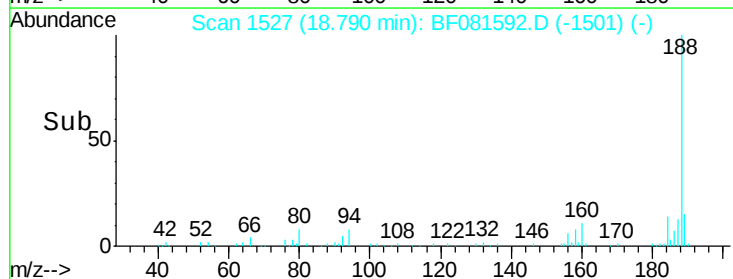
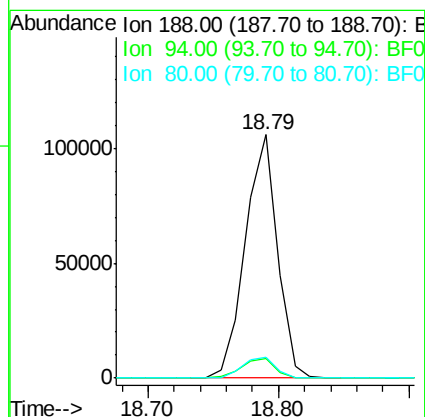
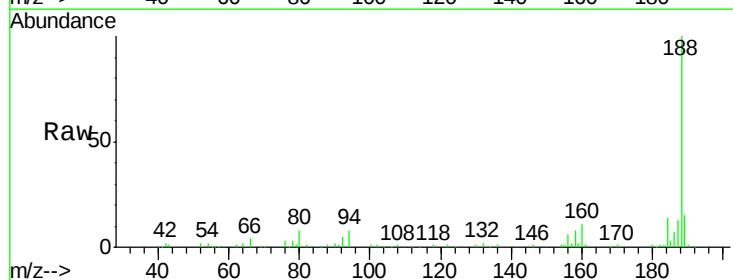
RT: 18.79 min Scan# 1527

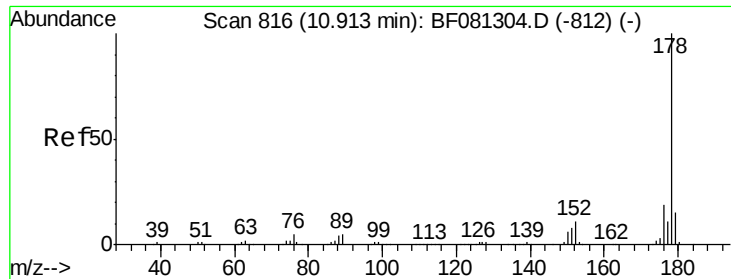
Delta R.T. -0.00 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

Tgt Ion:	188	Resp:	181100
Ion Ratio	Lower	Upper	
188	100		
94	7.9	11.1	16.7#
80	8.3	11.0	16.4#

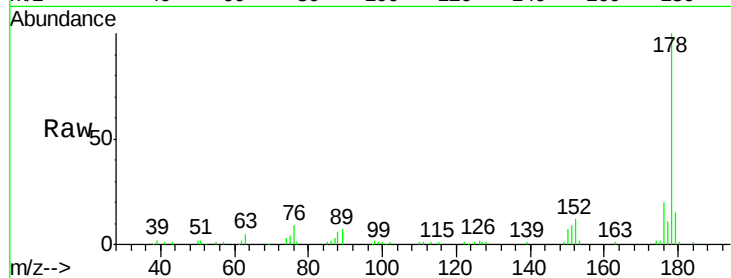




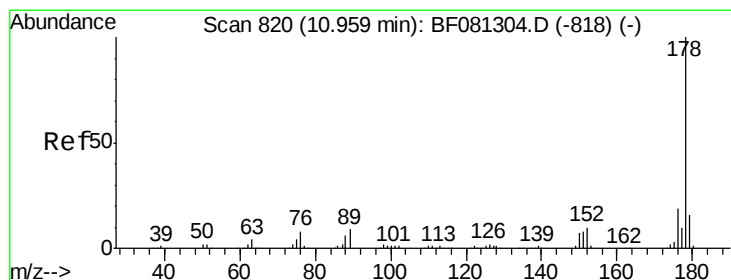
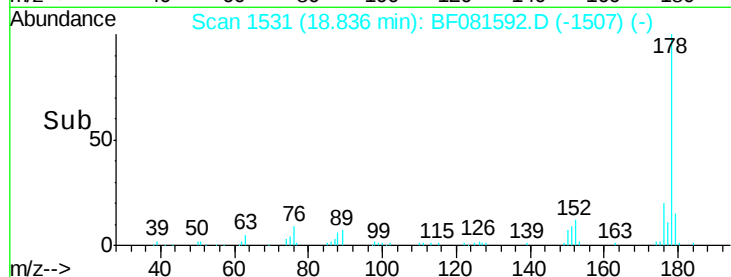
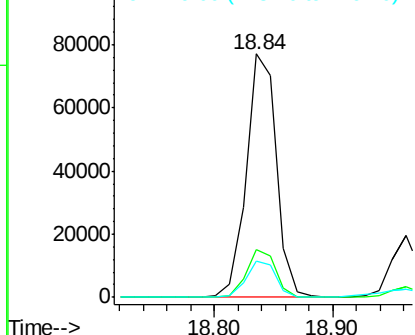
#70
Phenanthrene
Concen: 13.47 ng
RT: 18.84 min Scan# 1531
Delta R.T. -0.02 min
Lab File: BF081592.D
Acq: 11 Sep 2015 19:56

Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

Tgt Ion:178 Resp: 135638
Ion Ratio Lower Upper
178 100
176 19.8 13.8 20.8
179 14.6 12.2 18.2

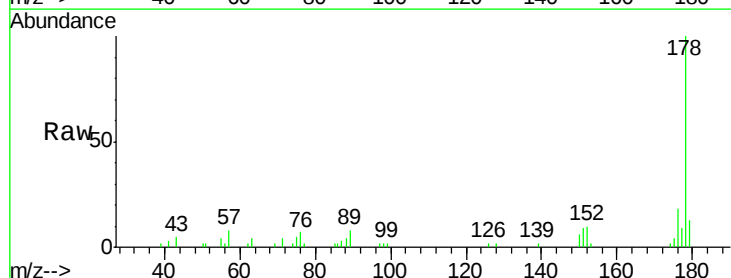


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

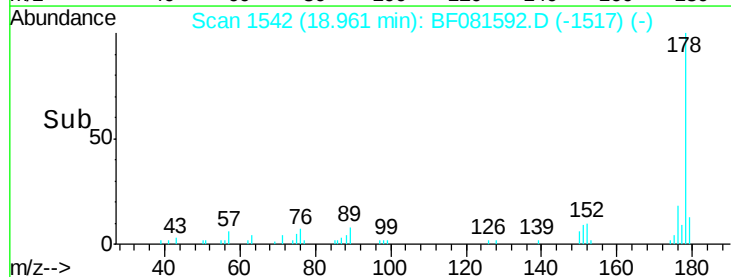
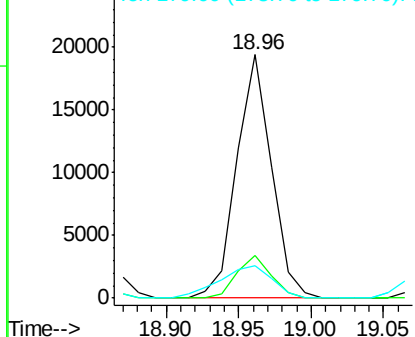


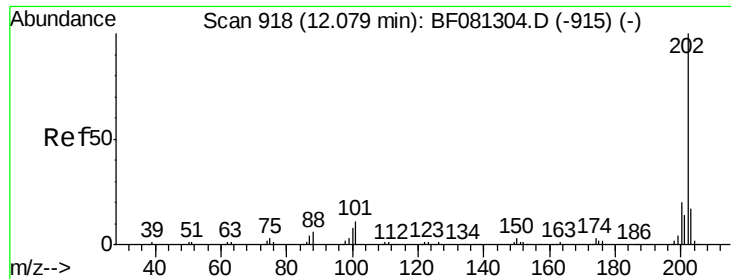
#71
Anthracene
Concen: 3.12 ng
RT: 18.96 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BF081592.D
Acq: 11 Sep 2015 19:56

Tgt Ion:178 Resp: 32236
Ion Ratio Lower Upper
178 100
176 17.8 14.1 21.1
179 13.4 12.2 18.2



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

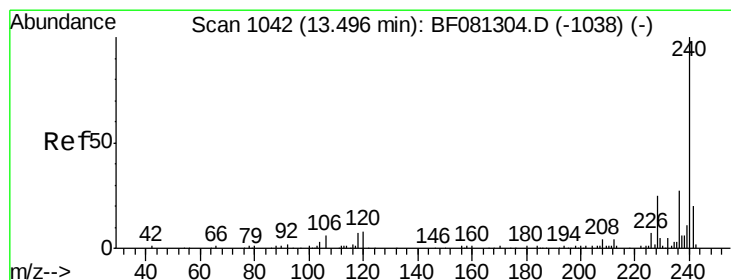
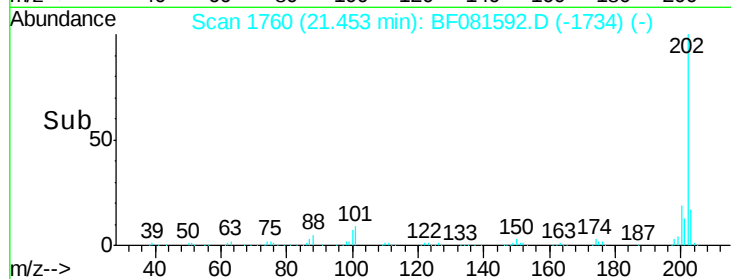
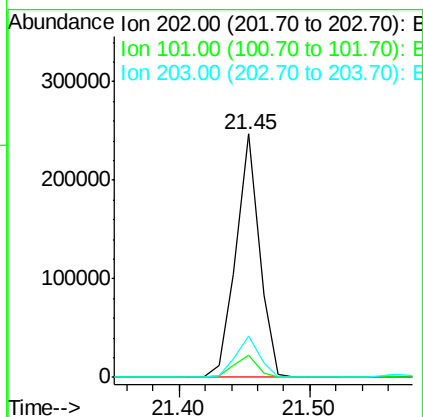
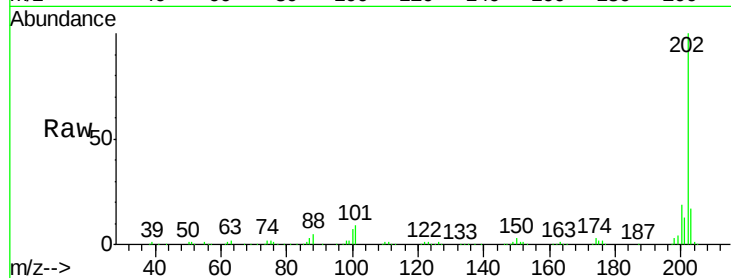




#74
 Fluoranthene
 Concen: 28.52 ng
 RT: 21.45 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: BF081592.D
 Acq: 11 Sep 2015 19:56

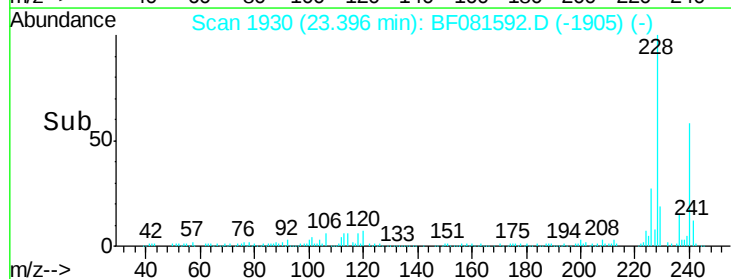
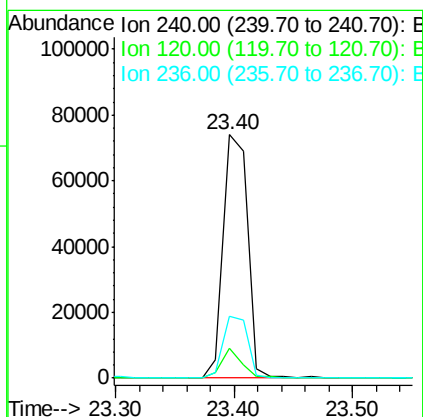
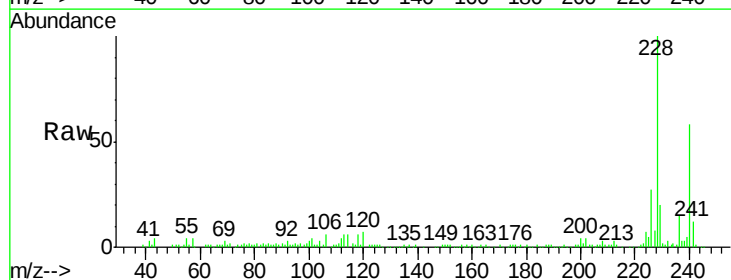
Instrument :
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 SB-03(0-0.16)

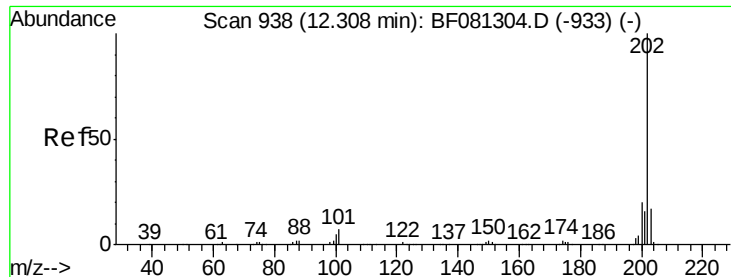
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	310831		
101	9.0	0.0	38.3	
203	16.8	0.0	37.3	



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.40 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: BF081592.D
 Acq: 11 Sep 2015 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	104861		
120	12.3	16.2	24.2#	
236	25.3	18.4	27.6	

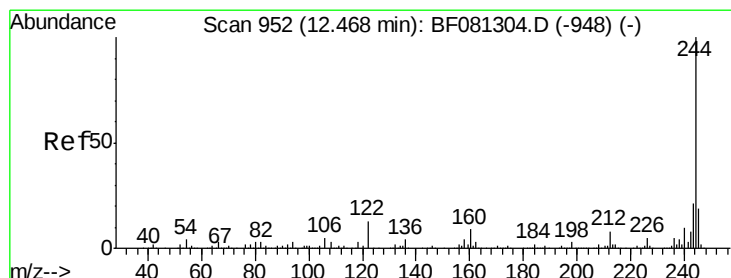
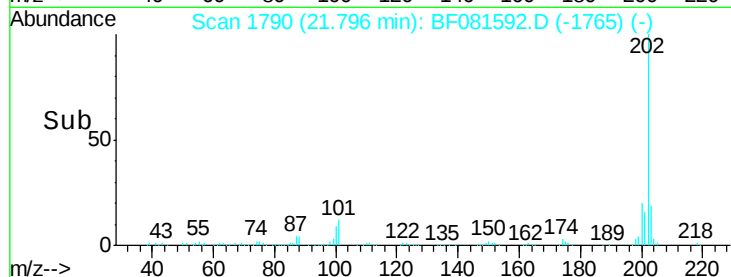
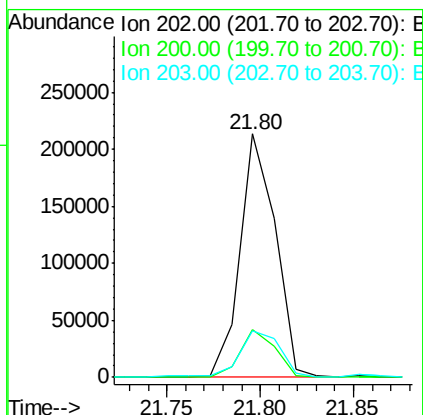
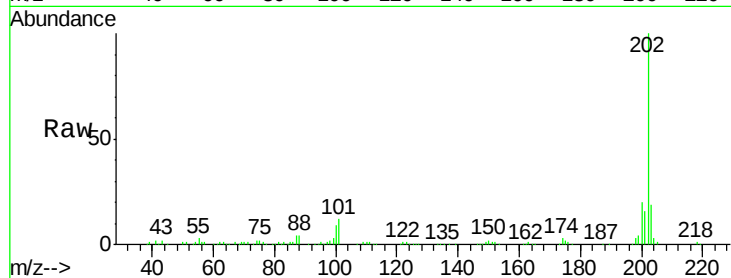




#77
 Pyrene
 Concen: 36.18 ng
 RT: 21.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF081592.D
 Acq: 11 Sep 2015 19:56

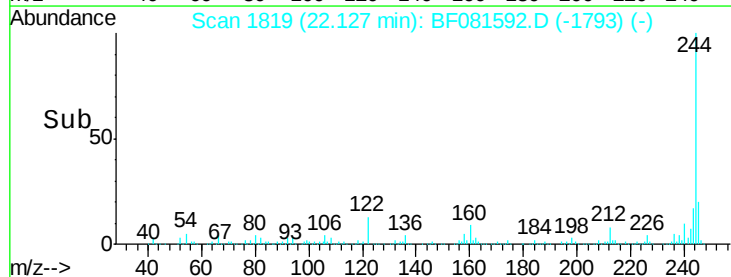
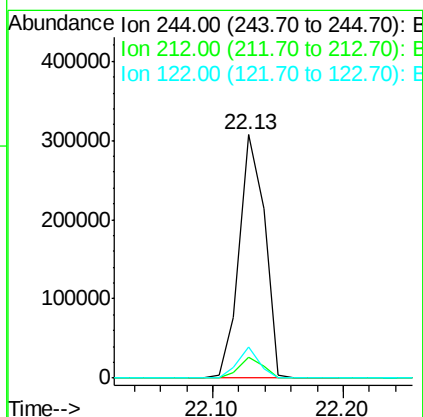
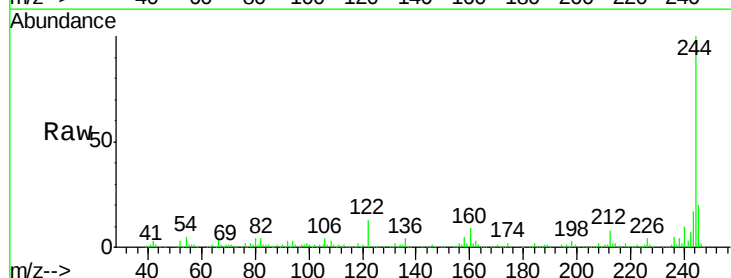
Instrument :
 BNA_F
 ClientSampleId :
 SB-03(0-0.16)

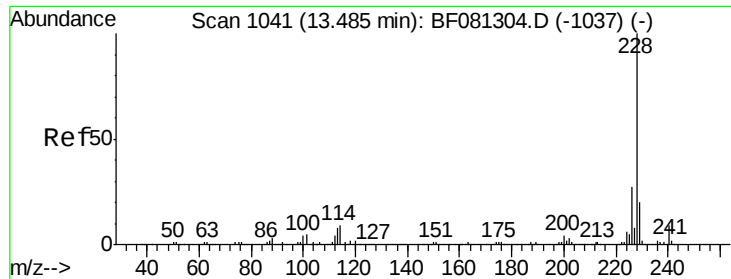
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.0	22.4
203	19.1	14.1	21.1



#78
 Terphenyl-d14
 Concen: 92.48 ng
 RT: 22.13 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BF081592.D
 Acq: 11 Sep 2015 19:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	4.3	6.5#
122	12.7	17.4	26.2#





#80

Benzo(a)anthracene

Concen: 30.00 ng

RT: 23.40 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

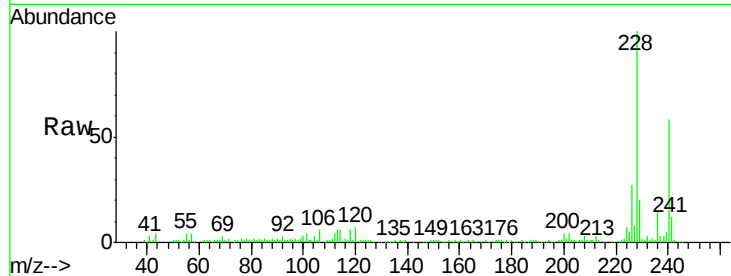
Tgt Ion:228 Resp: 200314

Ion Ratio Lower Upper

228 100

226 27.3 20.0 30.0

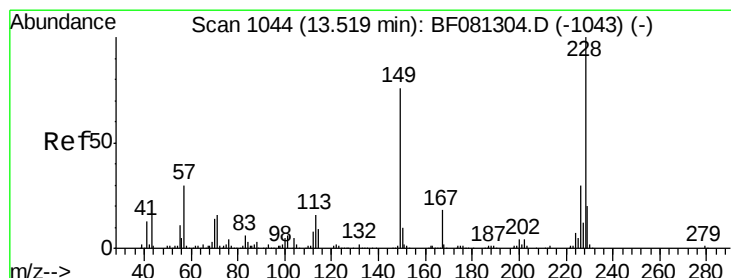
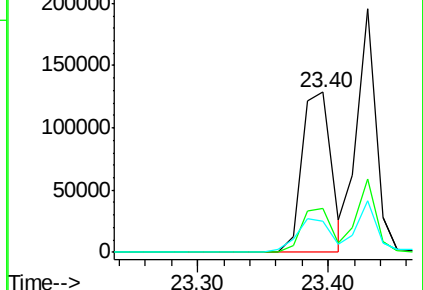
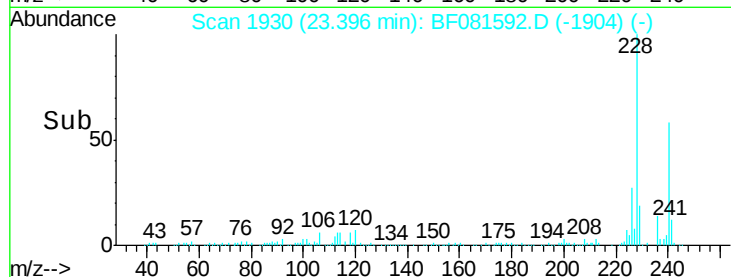
229 19.6 15.4 23.2



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



#82

Chrysene

Concen: 33.26 ng

RT: 23.43 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

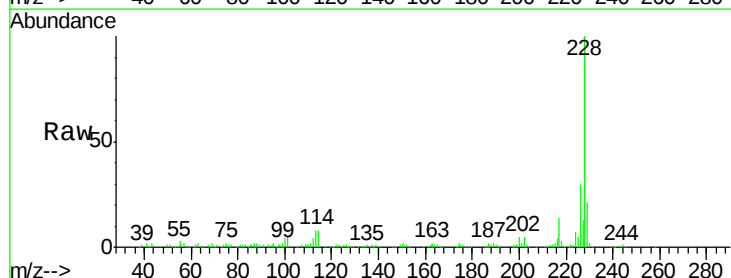
Tgt Ion:228 Resp: 199111

Ion Ratio Lower Upper

228 100

226 30.2 21.0 31.4

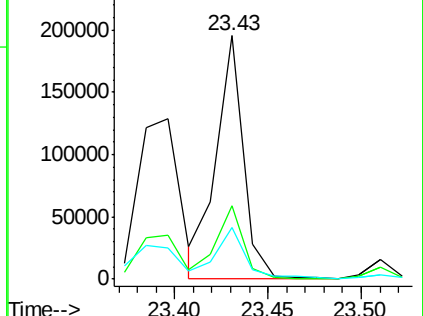
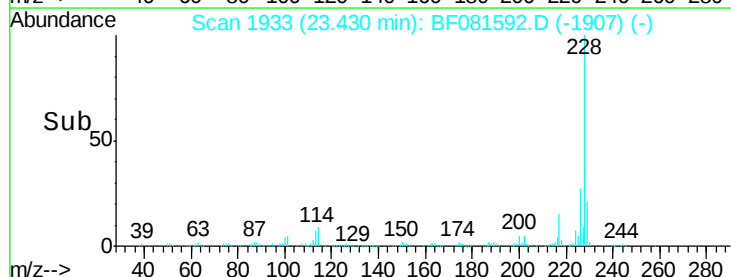
229 21.2 15.6 23.4

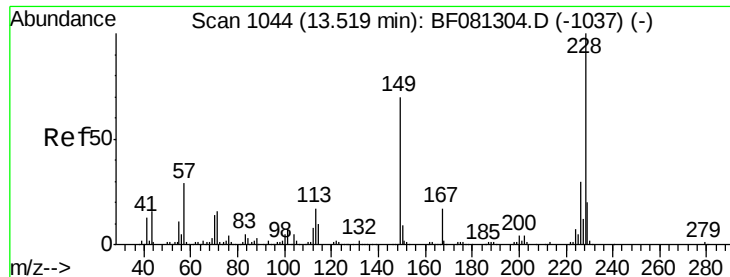


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

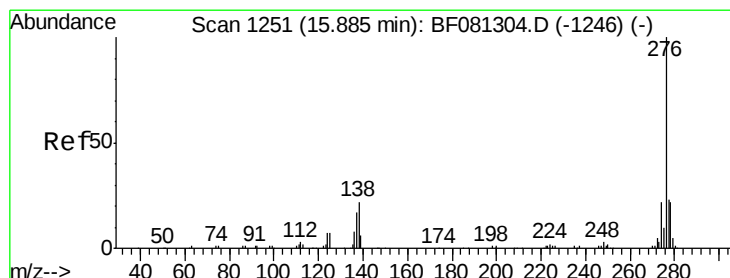
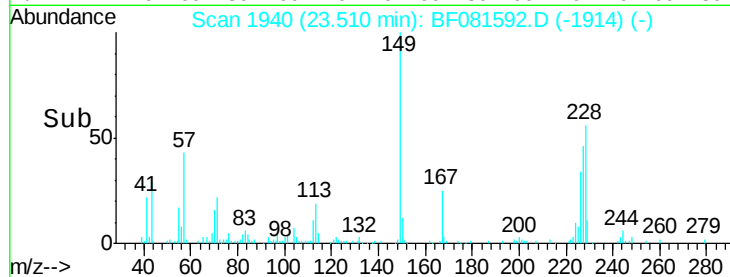
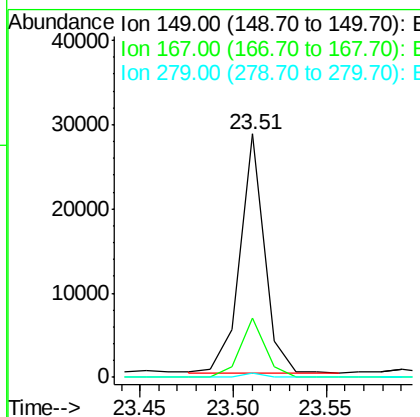
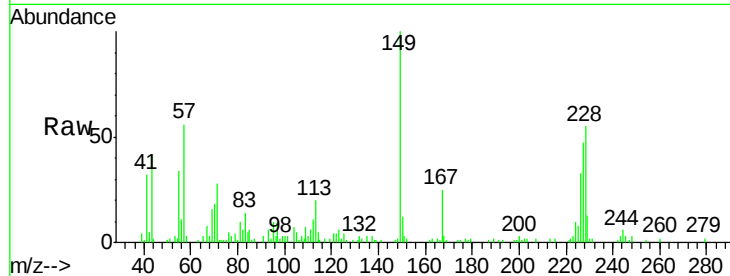




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.83 ng
 RT: 23.51 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: BF081592.D
 Acq: 11 Sep 2015 19:56

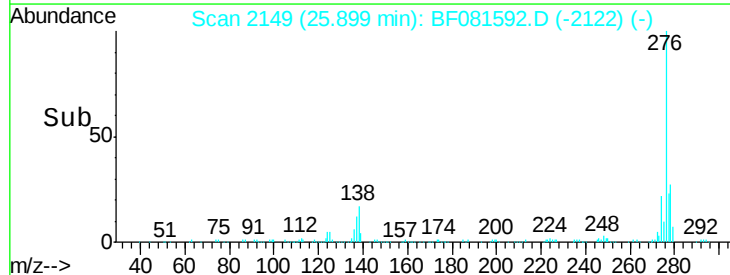
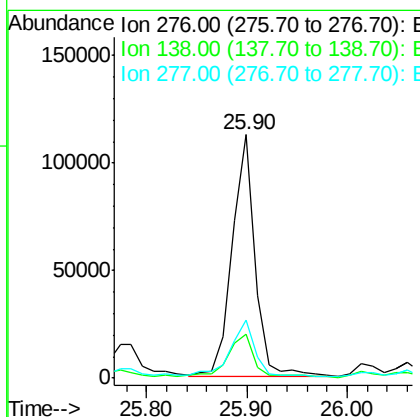
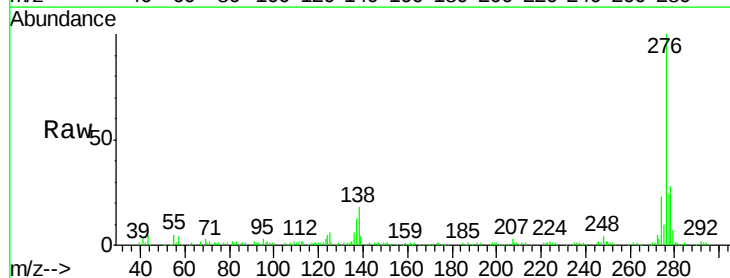
Instrument :
 BNA_F
 ClientSampleId :
 SB-03(0-0.16)

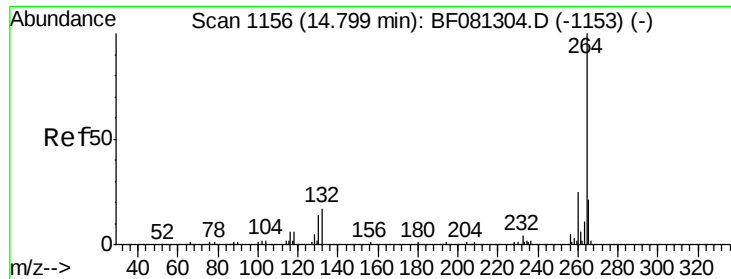
Tgt Ion:149 Resp: 25984
 Ion Ratio Lower Upper
 149 100
 167 24.6 24.2 36.2
 279 2.0 3.8 5.6#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 40.98 ng
 RT: 25.90 min Scan# 2149
 Delta R.T. 0.01 min
 Lab File: BF081592.D
 Acq: 11 Sep 2015 19:56

Tgt Ion:276 Resp: 179972
 Ion Ratio Lower Upper
 276 100
 138 20.5 25.7 38.5#
 277 25.4 15.6 23.4#



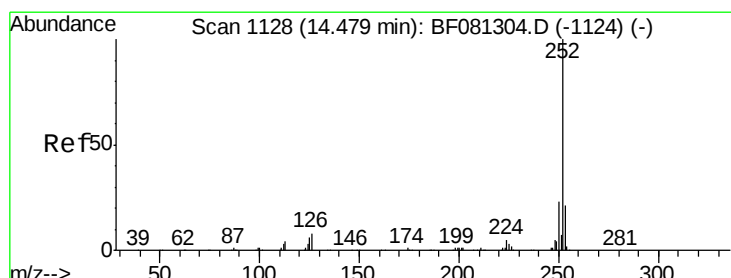
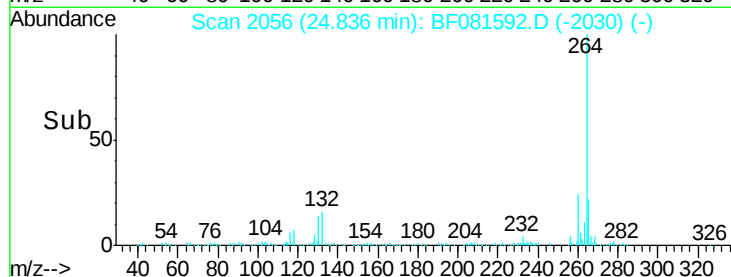
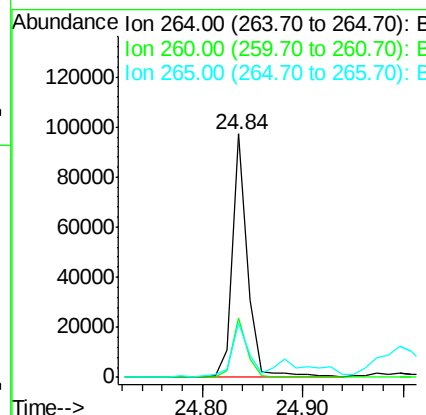
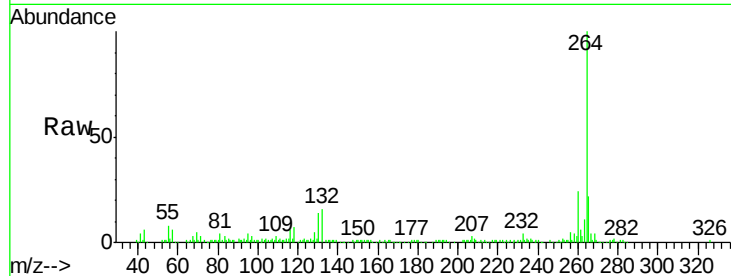


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BF081592.D
Acq: 11 Sep 2015 19:56

Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

Tgt Ion: 264 Resp: 102171

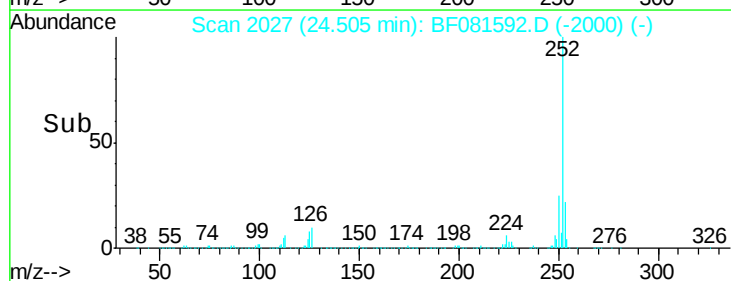
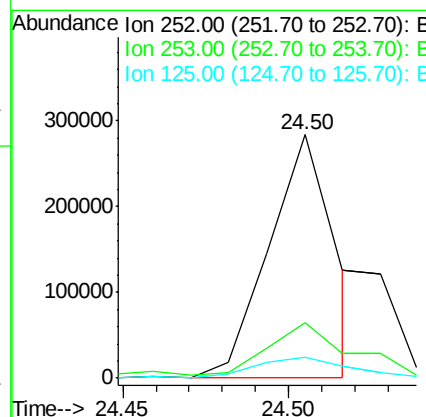
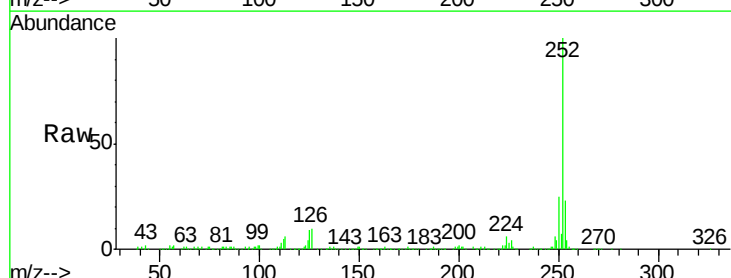
Ion	Ratio	Lower	Upper
264	100		
260	24.4	16.7	25.1
265	22.1	17.2	25.8

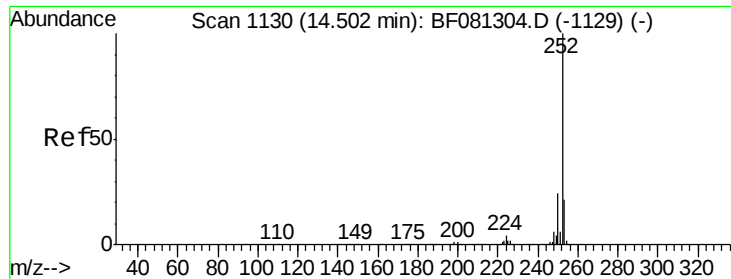


#87
Benzo(b)fluoranthene
Concen: 54.16 ng m
RT: 24.50 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF081592.D
Acq: 11 Sep 2015 19:56

Tgt Ion: 252 Resp: 395065

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	8.8	17.1	25.7#





#88

Benzo(k)fluoranthene

Concen: 14.44 ng m

RT: 24.52 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

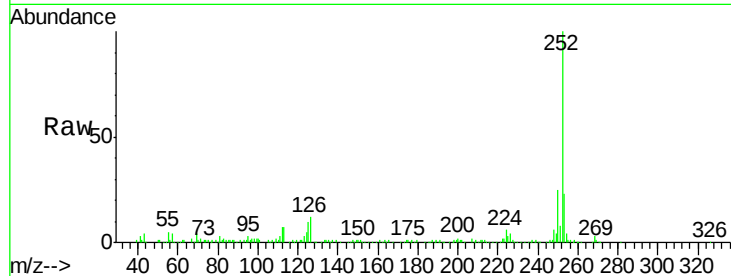
Tgt Ion:252 Resp: 87388

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.4

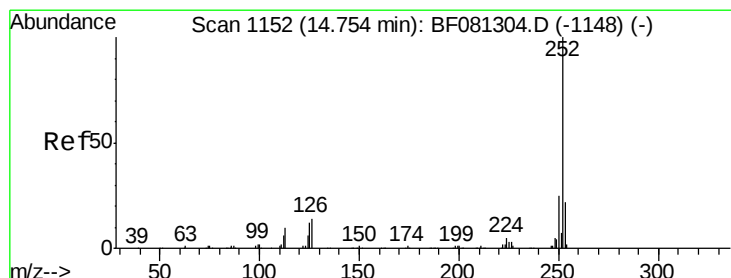
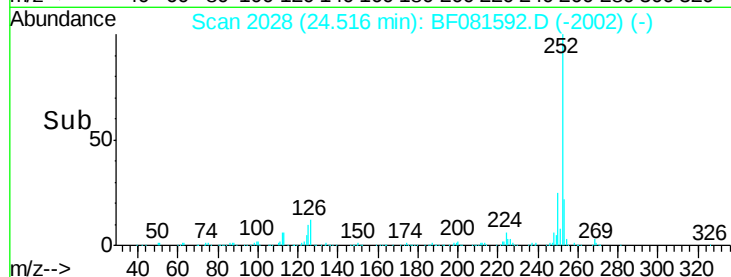
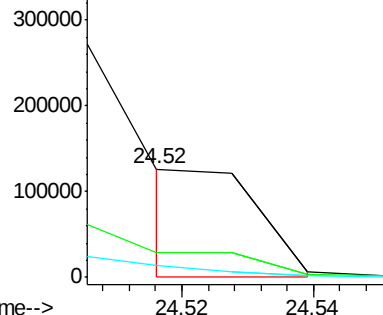
125 10.5 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 38.96 ng

RT: 24.79 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

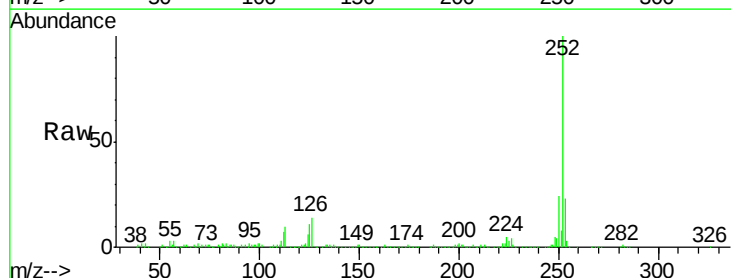
Tgt Ion:252 Resp: 240837

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

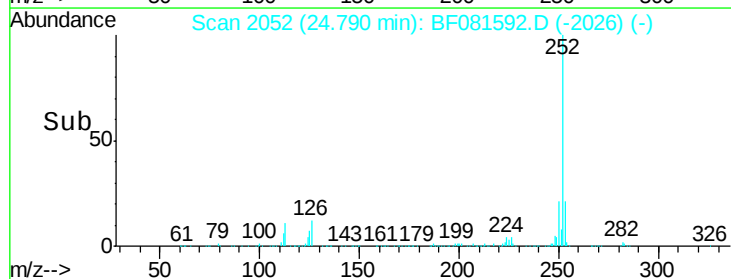
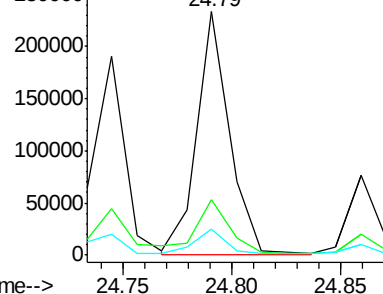
125 10.8 18.0 27.0#

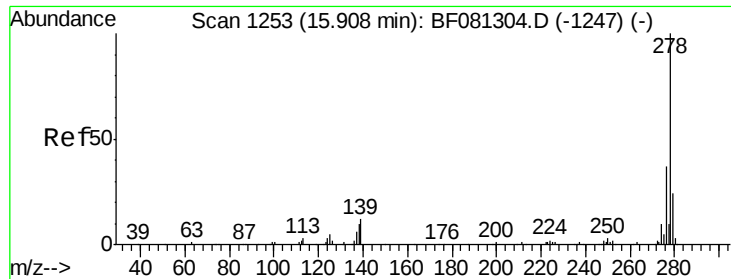


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 10.20 ng m

RT: 25.90 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

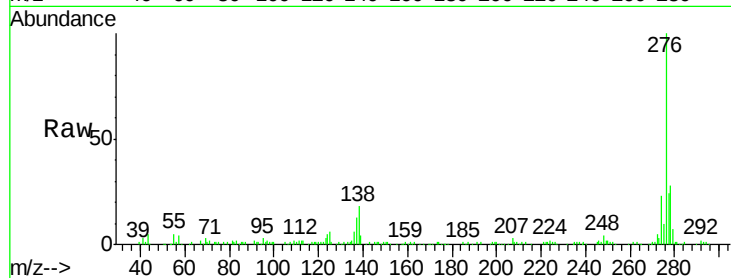
Tgt Ion:278 Resp: 48706

Ion Ratio Lower Upper

278 100

139 15.4 26.3 39.5#

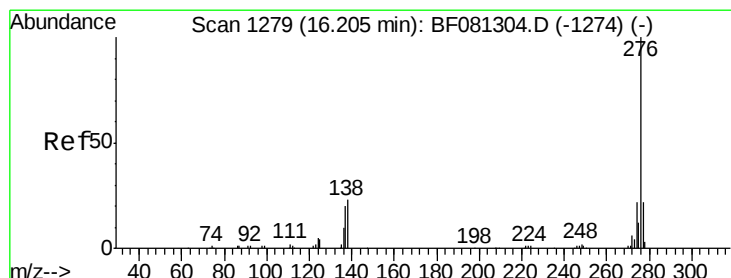
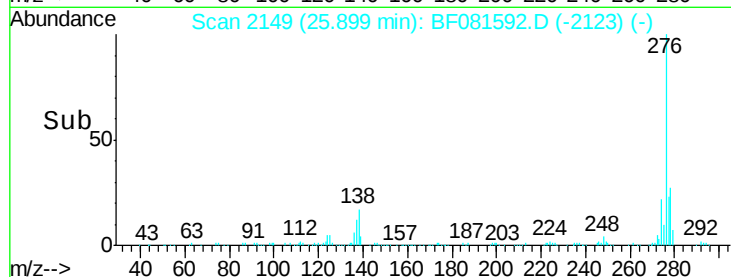
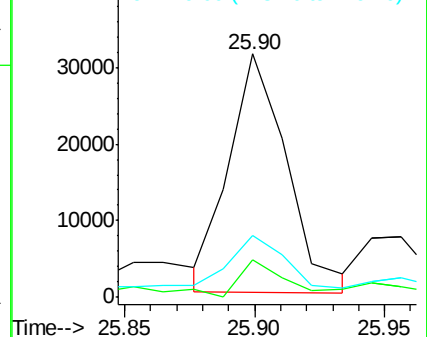
279 25.7 18.2 27.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 35.31 ng

RT: 26.21 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF081592.D

Acq: 11 Sep 2015 19:56

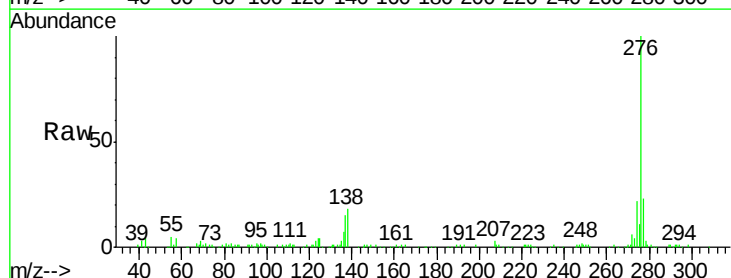
Tgt Ion:276 Resp: 160959

Ion Ratio Lower Upper

276 100

277 23.1 17.8 26.6

138 18.2 34.6 51.8#



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

