

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083259.D
 Acq On : 25 Nov 2015 2:05
 Operator : UM/IZ
 Sample : G4412-07RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C1

Quant Time: Nov 25 02:41:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

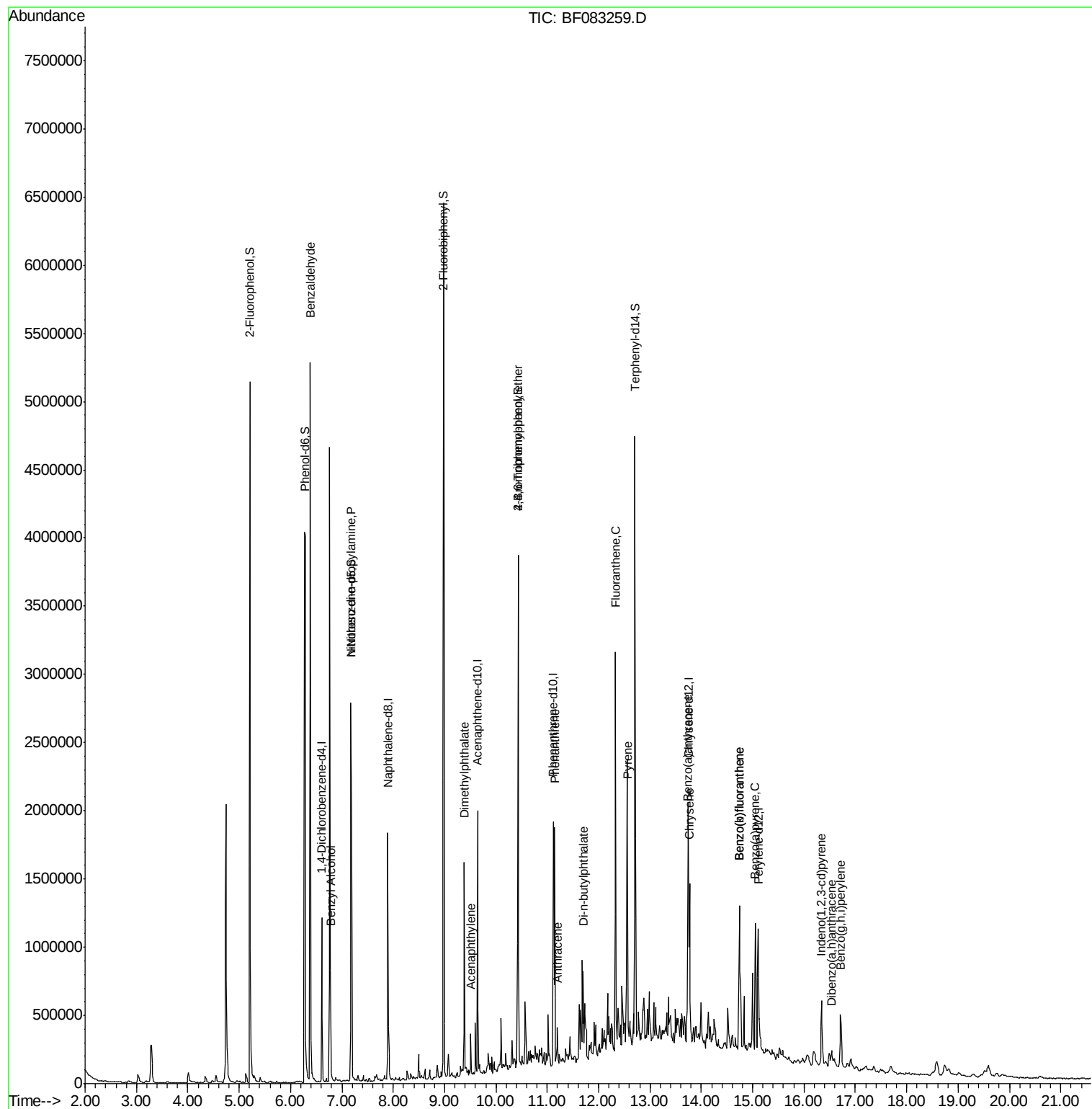
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	187621	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	754534	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	379418	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	662700	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	449335	20.00	ng	-0.06
86) Perylene-d12	15.11	264	436142	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1501605	121.00	ng	-0.07
7) Phenol-d6	6.28	99	2146789	133.70	ng	-0.06
23) Nitrobenzene-d5	7.18	82	1274800	77.20	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	402258	103.63	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	1973291	72.52	ng	-0.05
78) Terphenyl-d14	12.71	244	1499770	78.60	ng	-0.06
Target Compounds						Qvalue
9) Benzaldehyde	6.39	77	39850	3.00	ng	83
15) Benzyl Alcohol	6.78	79	70940	5.29	ng	96
19) n-Nitroso-di-n-propylamine	7.18	70	172301	15.42	ng	# 82
48) Acenaphthylene	9.51	152	116027	2.95	ng	99
49) Dimethylphthalate	9.38	163	577206	19.76	ng	98
66) 4-Bromophenyl-phenylether	10.43	248	26959	3.67	ng	# 1
70) Phenanthrene	11.14	178	662398	17.35	ng	99
71) Anthracene	11.20	178	115340	2.96	ng	97
73) Di-n-butylphthalate	11.70	149	245642	5.81	ng	98
74) Fluoranthene	12.33	202	1212670	31.03	ng	99
77) Pyrene	12.56	202	1094087	35.64	ng	96
80) Benzo(a)anthracene	13.74	228	538102	19.36	ng	94
82) Chrysene	13.77	228	396658	15.39	ng	98
85) Indeno(1,2,3-cd)pyrene	16.34	276	308692	13.17	ng	98
87) Benzo(b)fluoranthene	14.74	252	711974	23.89	ng	# 96
88) Benzo(k)fluoranthene	14.74	252	711974	32.07	ng	# 98
89) Benzo(a)pyrene	15.05	252	385000	15.65	ng	# 94
90) Dibenzo(a,h)anthracene	16.54	278	65930	2.95	ng	93
91) Benzo(g,h,i)perylene	16.71	276	303618	13.92	ng	# 92

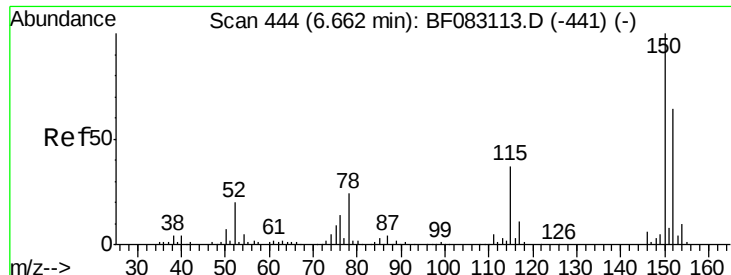
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 25 02:41:08 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration

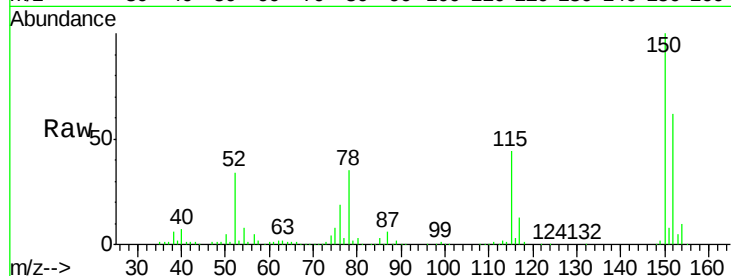




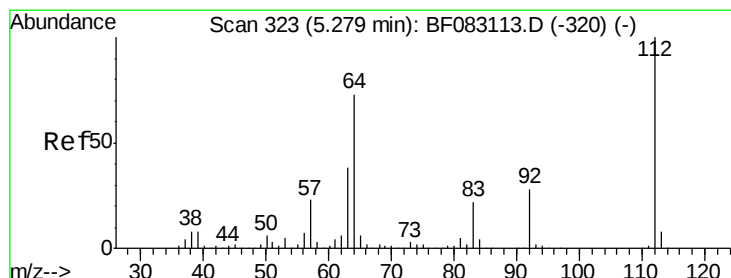
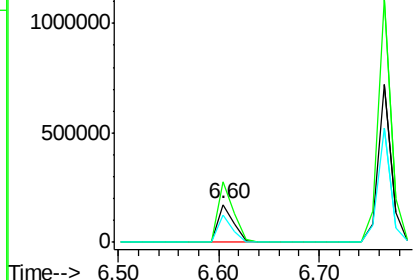
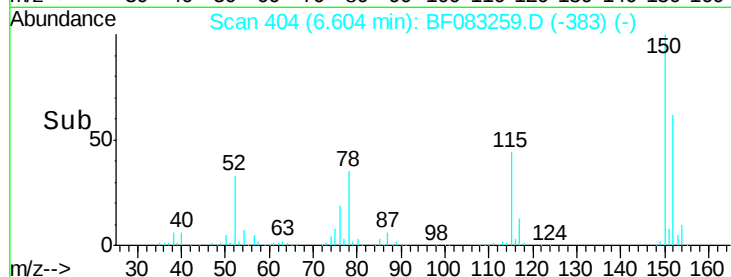
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 404
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Instrument :
 BNA_F
 ClientSampleID :
 TEC-C1

Tgt Ion:152 Resp: 187621
 Ion Ratio Lower Upper
 152 100
 150 160.2 125.8 188.8
 115 70.9 46.9 70.3#

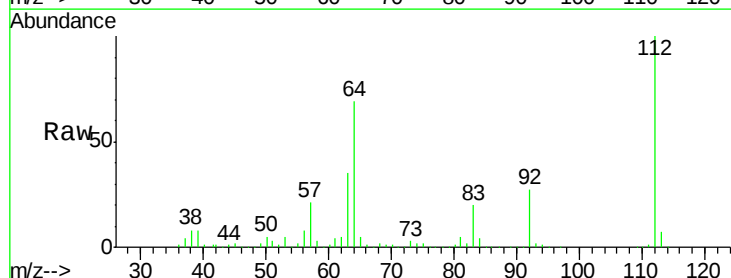


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

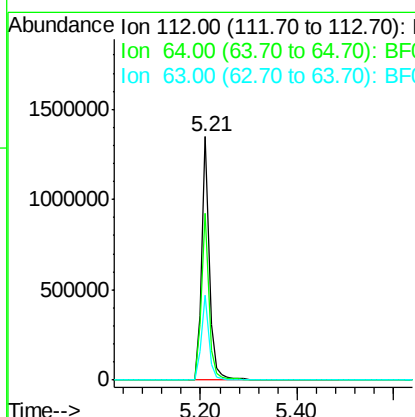
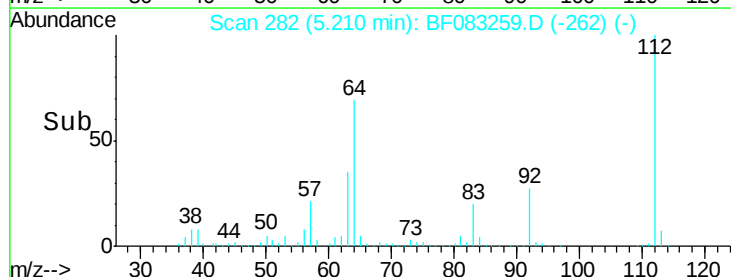


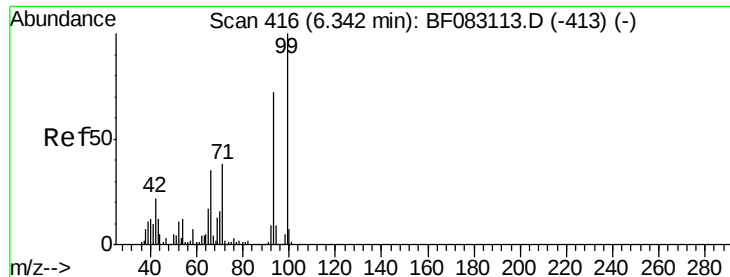
#5
 2-Fluorophenol
 Concen: 121.00 ng
 RT: 5.21 min Scan# 282
 Delta R.T. -0.07 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion:112 Resp: 1501605
 Ion Ratio Lower Upper
 112 100
 64 68.7 58.4 87.6
 63 34.9 30.0 45.0



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: 133.70 ng

RT: 6.28 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

Instrument :

BNA_F

ClientSampleId :

TEC-C1

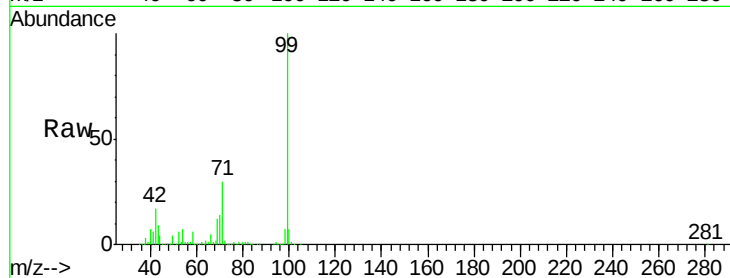
Tgt Ion: 99 Resp: 2146789

Ion Ratio Lower Upper

99 100

42 16.7 17.7 26.5#

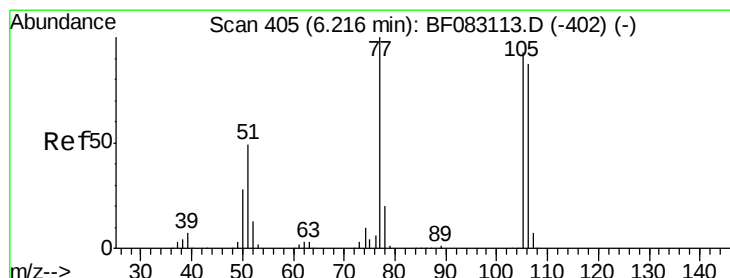
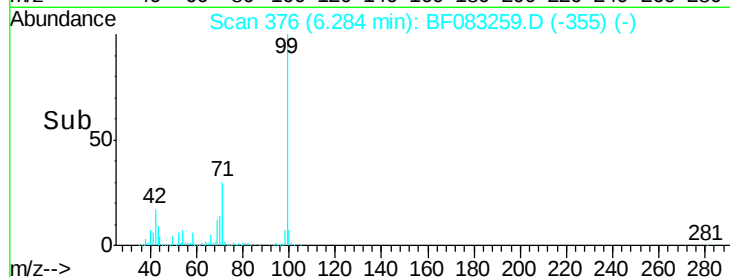
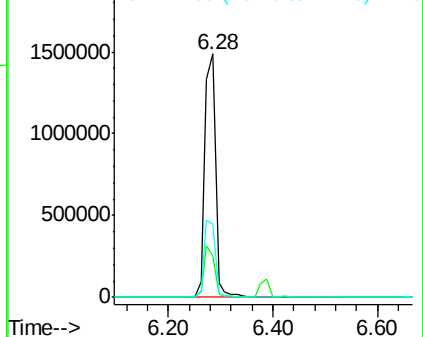
71 30.1 30.2 45.4#



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



#9

Benzaldehyde

Concen: 3.00 ng

RT: 6.39 min Scan# 385

Delta R.T. 0.17 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

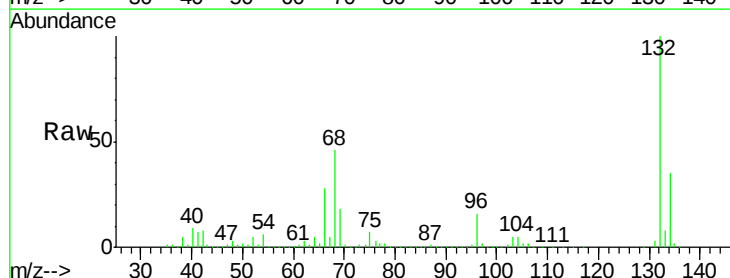
Tgt Ion: 77 Resp: 39850

Ion Ratio Lower Upper

77 100

105 78.0 73.4 113.4

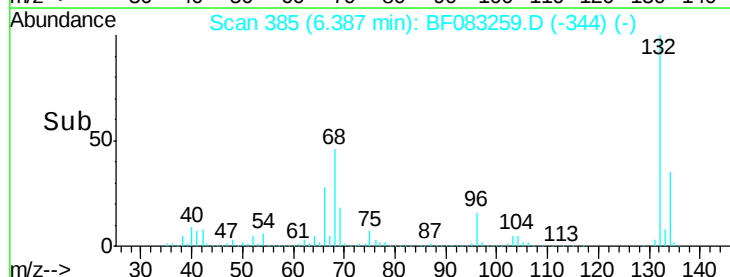
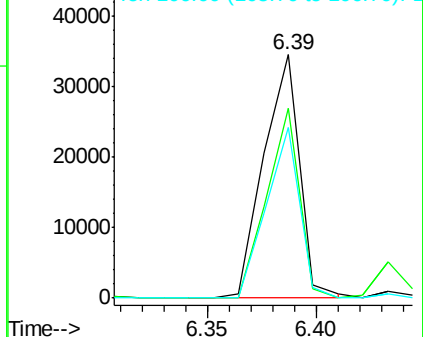
106 69.9 67.5 107.5

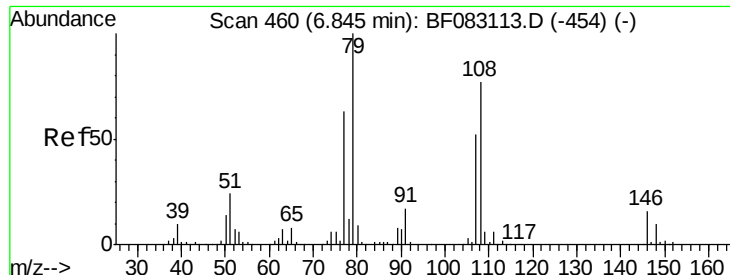


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

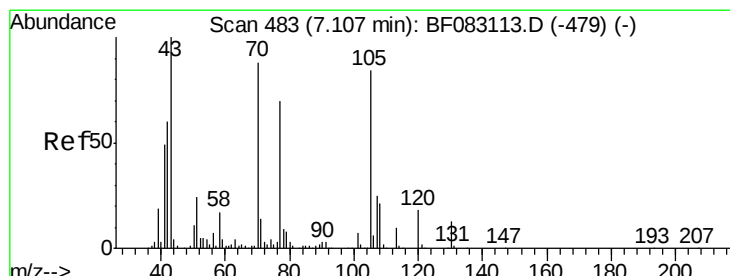
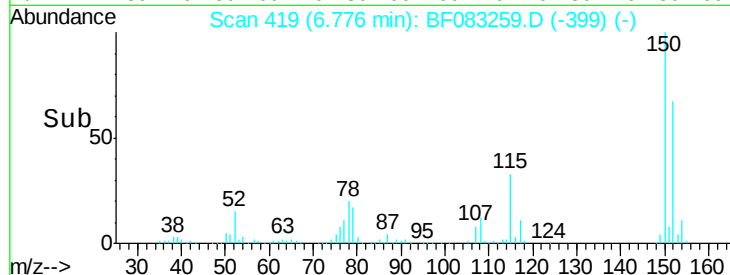
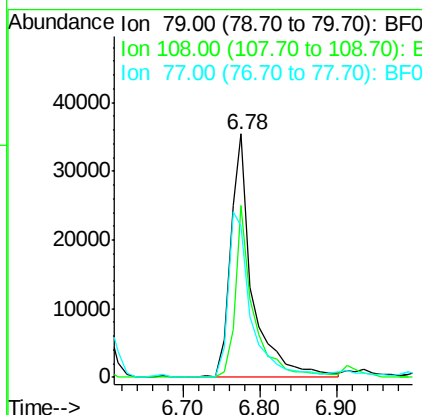
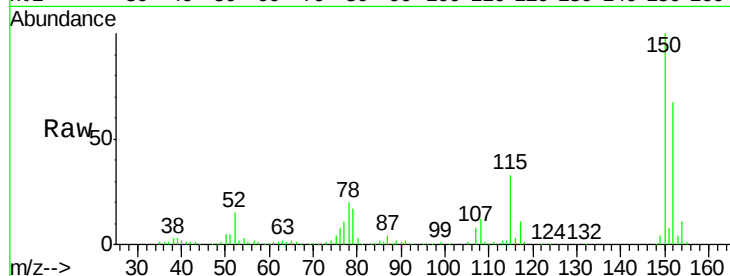




#15
Benzyl Alcohol
Concen: 5.29 ng
RT: 6.78 min Scan# 419
Delta R.T. -0.07 min
Lab File: BF083259.D
Acq: 25 Nov 2015 2:05

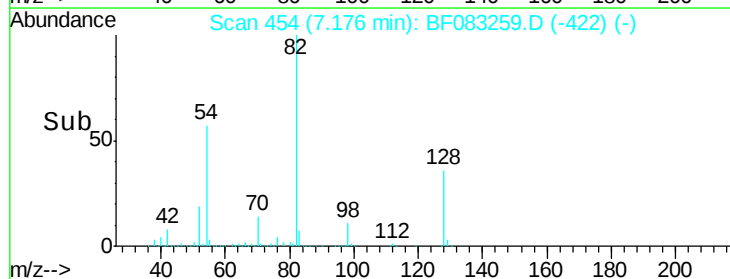
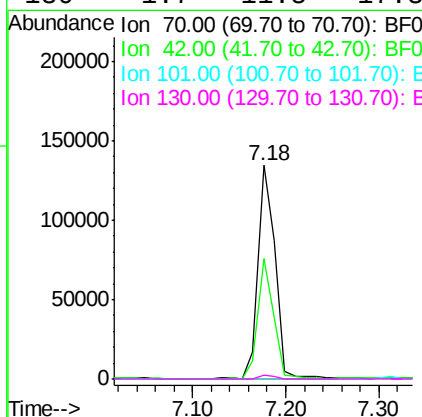
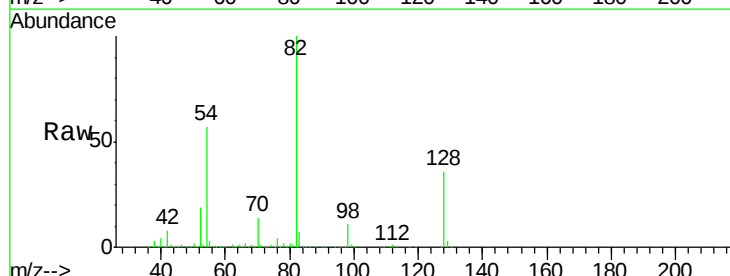
Instrument :
BNA_F
ClientSampled :
TEC-C1

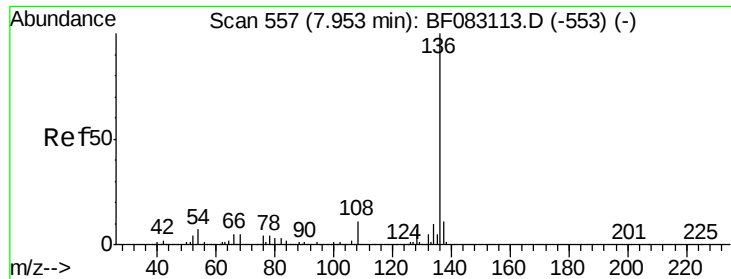
Tgt Ion:	79	Resp:	70940
Ion Ratio	Lower	Upper	
79	100		
108	70.8	61.4	92.2
77	62.3	50.5	75.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.42 ng
RT: 7.18 min Scan# 454
Delta R.T. 0.07 min
Lab File: BF083259.D
Acq: 25 Nov 2015 2:05

Tgt Ion:	70	Resp:	172301
Ion Ratio	Lower	Upper	
70	100		
42	56.2	54.5	81.7
101	0.0	6.6	9.8#
130	1.7	11.5	17.3#

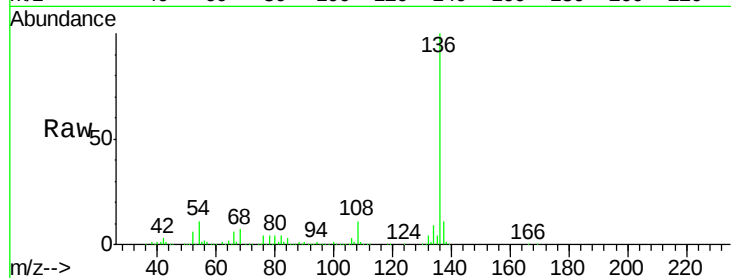




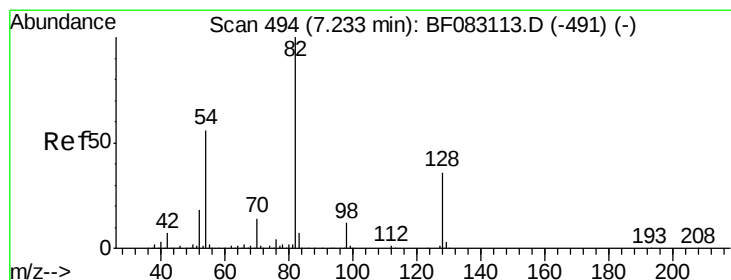
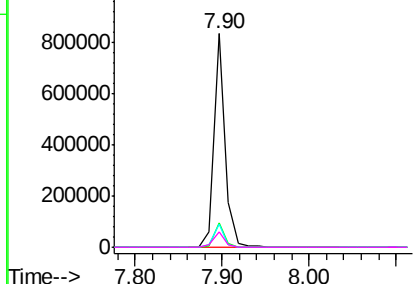
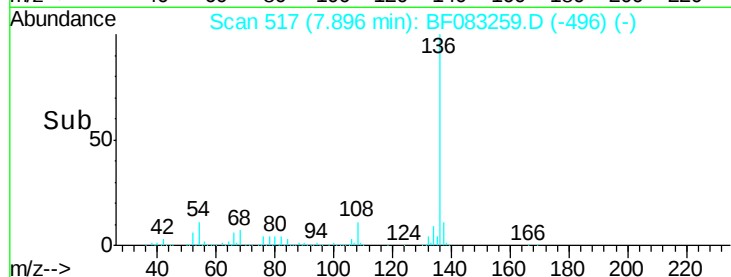
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.06 min
Lab File: BF083259.D
Acq: 25 Nov 2015 2:05

Instrument :
BNA_F
ClientSampleId :
TEC-C1

Tgt Ion:	136	Resp:	754534
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	11.0	5.8	8.6#
68	7.4	3.8	5.8#

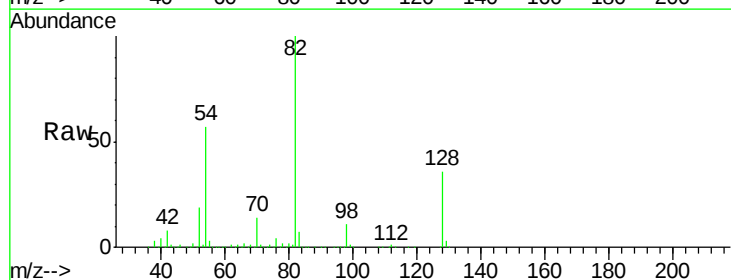


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

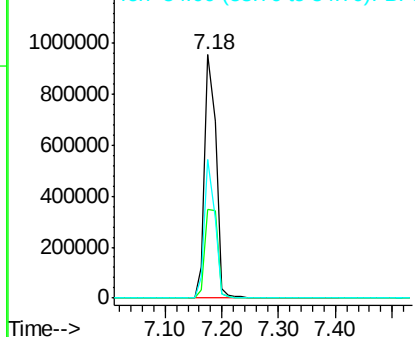
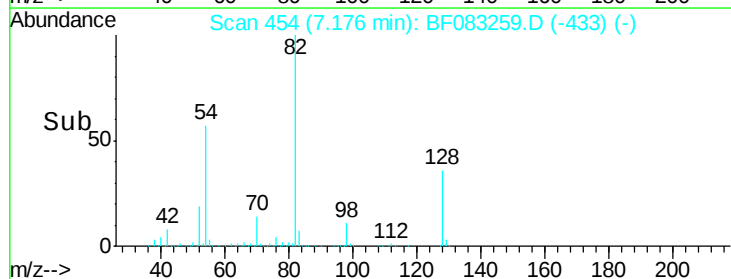


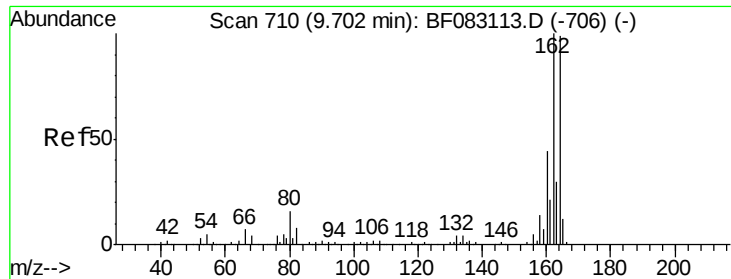
#23
Nitrobenzene-d5
Concen: 77.20 ng
RT: 7.18 min Scan# 454
Delta R.T. -0.06 min
Lab File: BF083259.D
Acq: 25 Nov 2015 2:05

Tgt Ion:	82	Resp:	1274800
Ion	Ratio	Lower	Upper
82	100		
128	36.3	28.5	42.7
54	57.2	44.6	67.0



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 670

Delta R.T. -0.06 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

Instrument :

BNA_F

ClientSampled :

TEC-C1

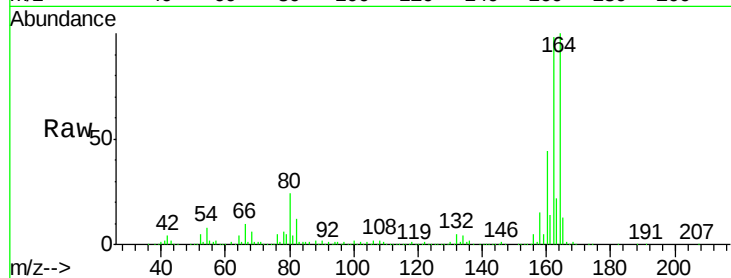
Tgt Ion:164 Resp: 379418

Ion Ratio Lower Upper

164 100

162 98.4 81.2 121.8

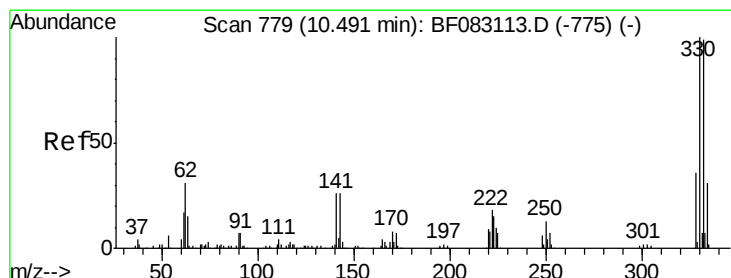
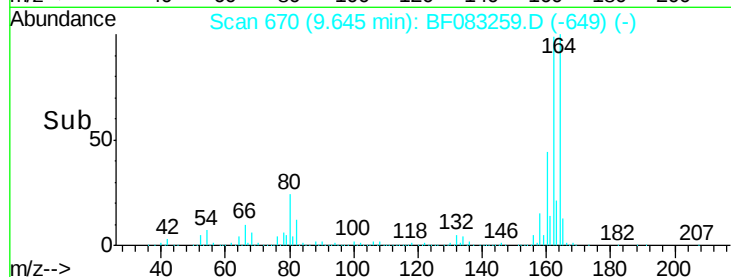
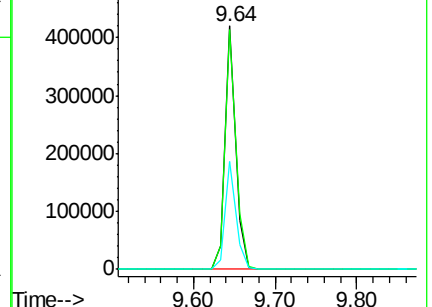
160 44.4 35.6 53.4



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: 103.63 ng

RT: 10.43 min Scan# 739

Delta R.T. -0.06 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

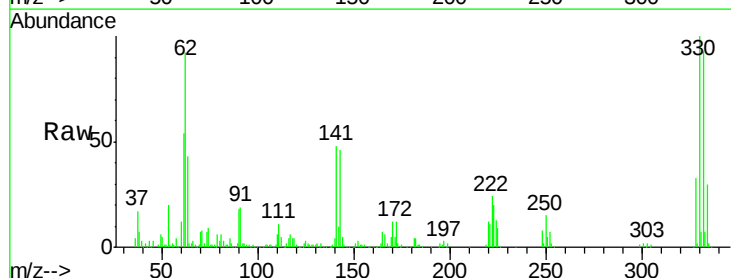
Tgt Ion:330 Resp: 402258

Ion Ratio Lower Upper

330 100

332 94.3 77.7 116.5

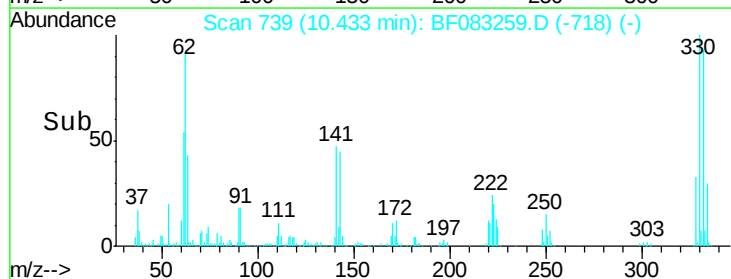
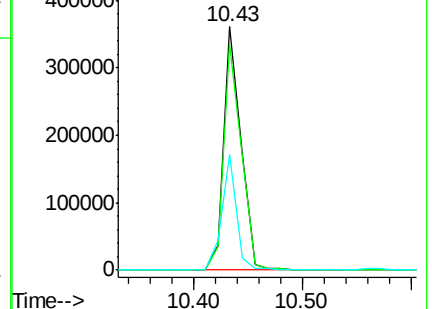
141 40.5 29.7 44.5

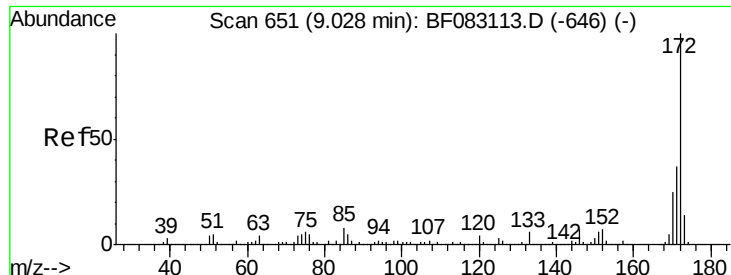


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

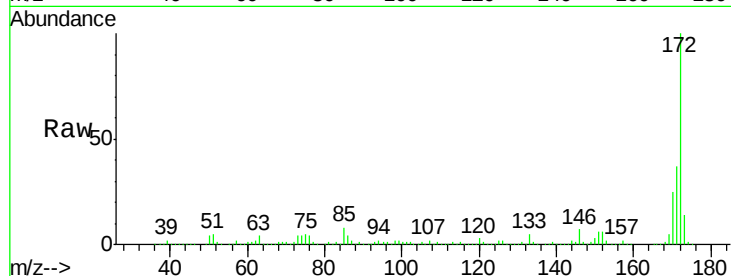




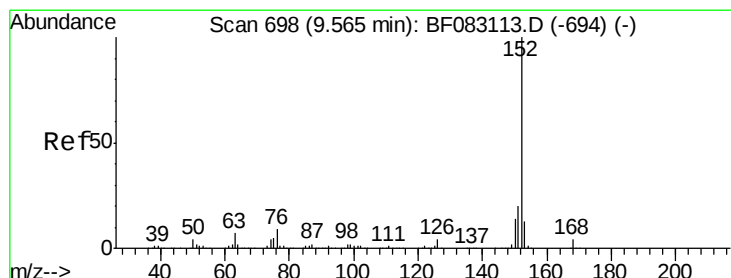
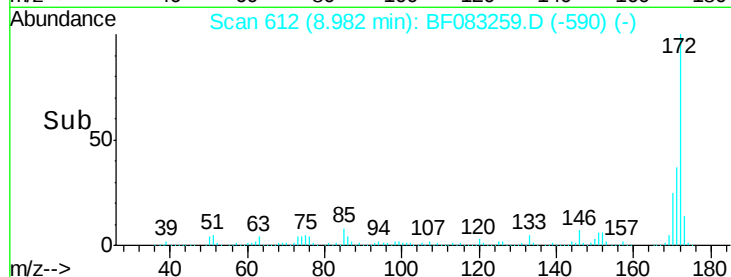
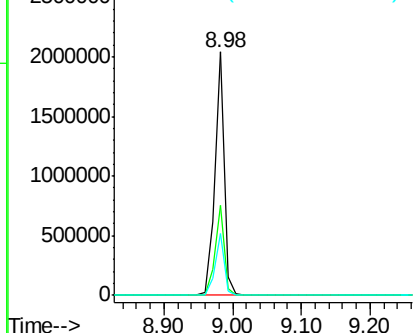
#44
 2-Fluorobiphenyl
 Concen: 72.52 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C1

Tgt Ion:172 Resp: 1973291
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.5 44.3
 170 25.4 19.9 29.9

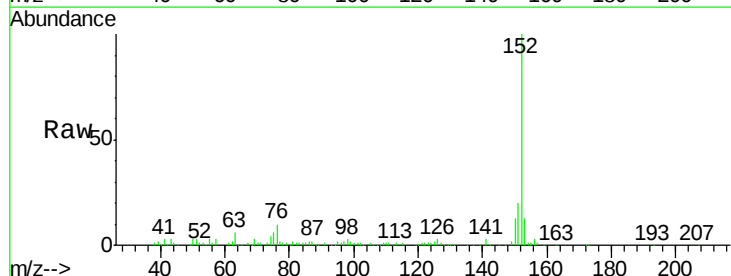


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

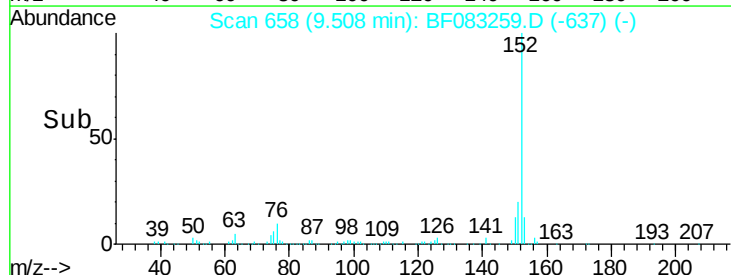
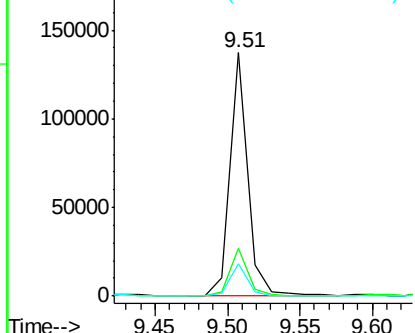


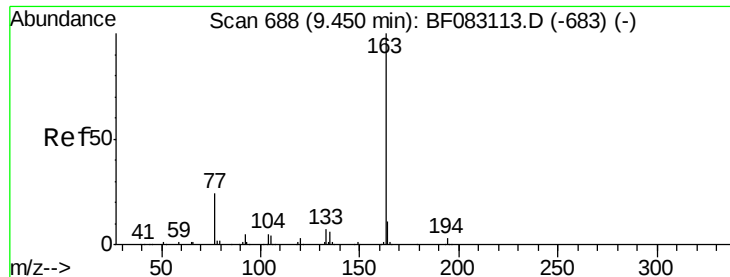
#48
 Acenaphthylene
 Concen: 2.95 ng
 RT: 9.51 min Scan# 658
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion:152 Resp: 116027
 Ion Ratio Lower Upper
 152 100
 151 19.8 16.3 24.5
 153 13.5 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

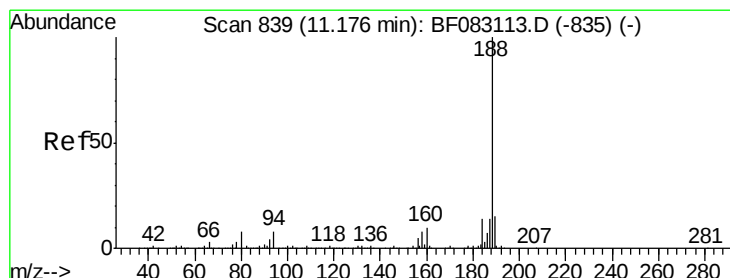
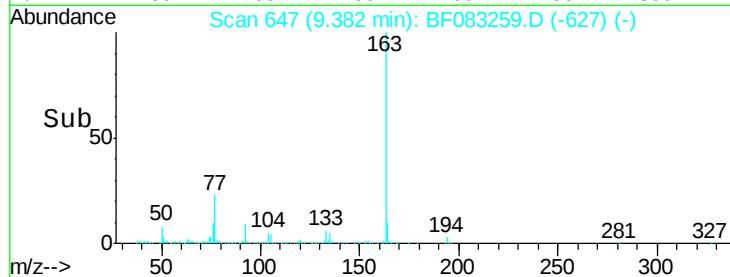
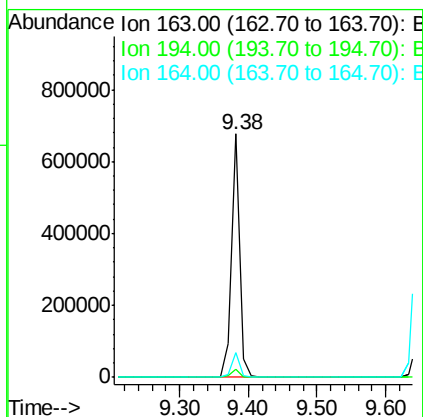
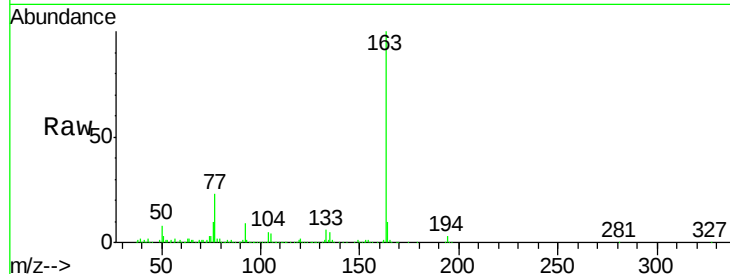




#49
Dimethylphthalate
Concen: 19.76 ng
RT: 9.38 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF083259.D
Acq: 25 Nov 2015 2:05

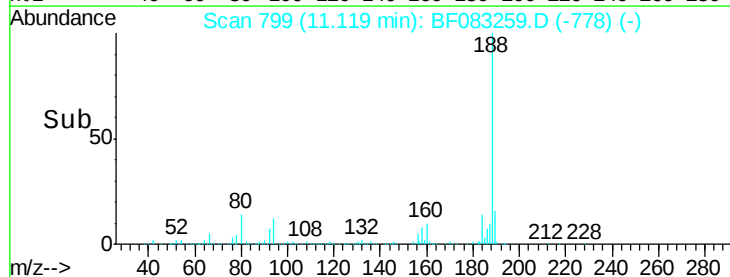
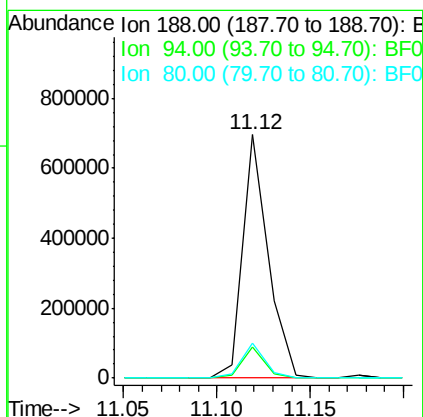
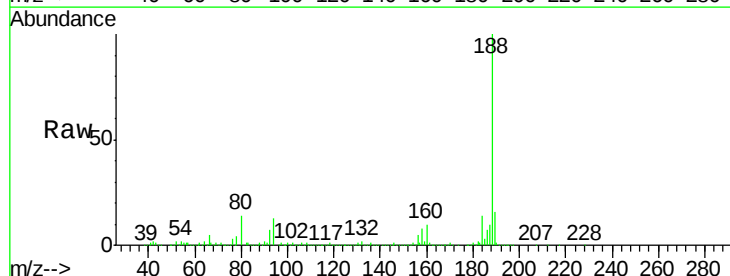
Instrument :
BNA_F
ClientSampleId :
TEC-C1

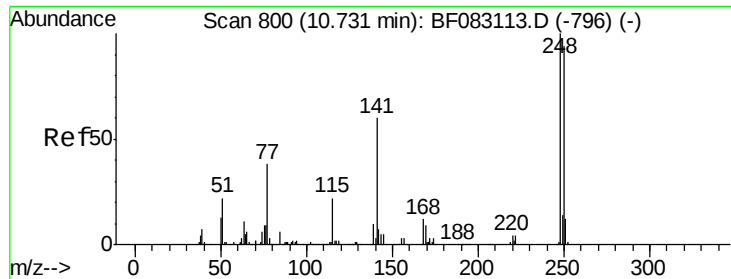
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.0	8.6	12.8



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.06 min
Lab File: BF083259.D
Acq: 25 Nov 2015 2:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.5	6.0	9.0#
80	14.2	6.7	10.1#

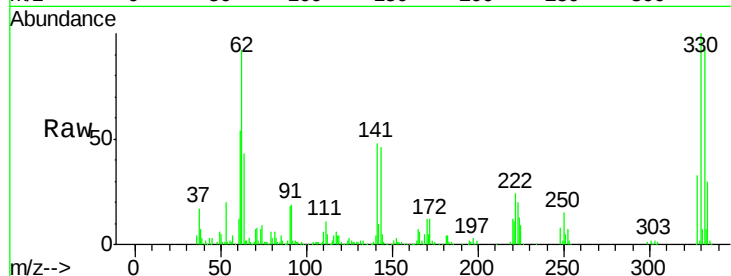




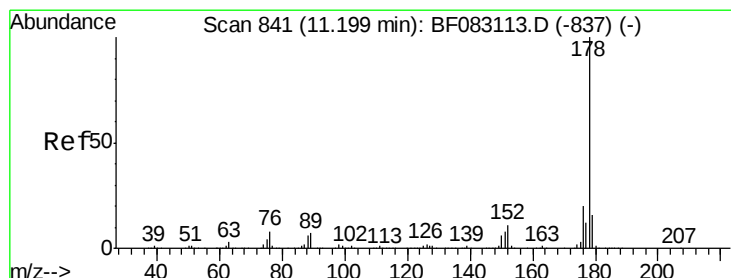
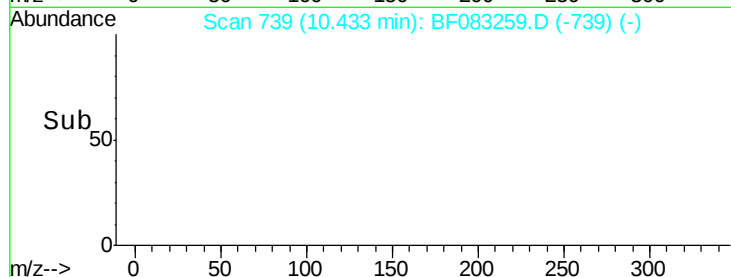
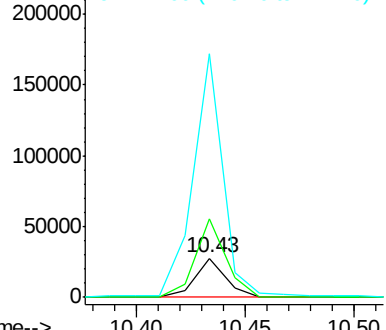
#66
 4-Bromophenyl-phenylether
 Concen: 3.67 ng
 RT: 10.43 min Scan# 739
 Delta R.T. -0.30 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C1

Tgt Ion: 248 Resp: 26959
 Ion Ratio Lower Upper
 248 100
 250 197.9 75.4 113.2#
 141 617.4 48.1 72.1#

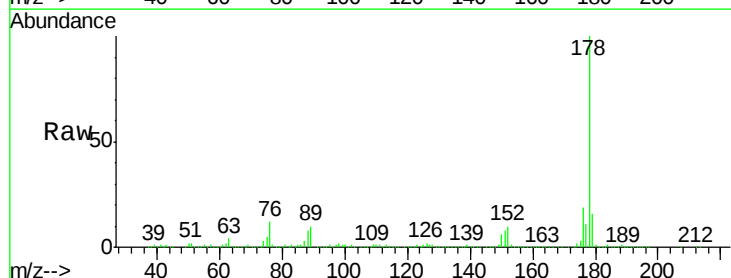


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

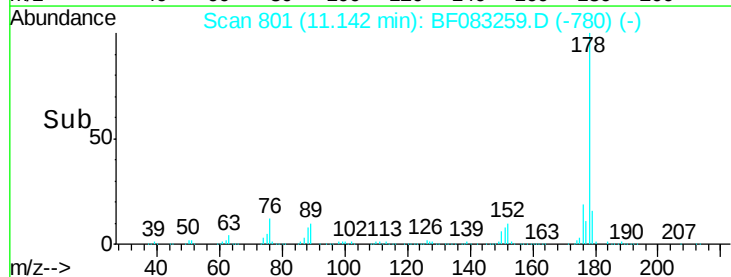
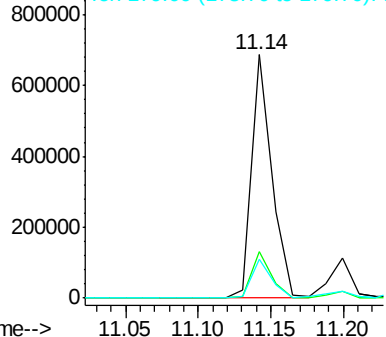


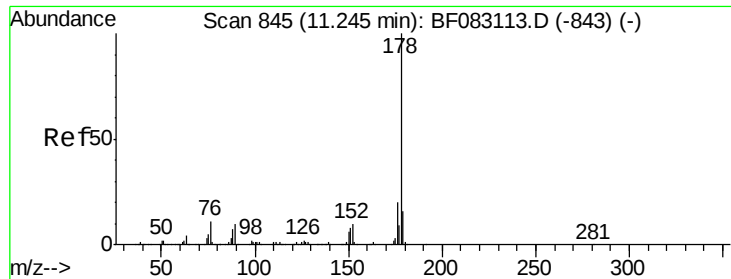
#70
 Phenanthrene
 Concen: 17.35 ng
 RT: 11.14 min Scan# 801
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion: 178 Resp: 662398
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.2
 179 16.1 12.8 19.2



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

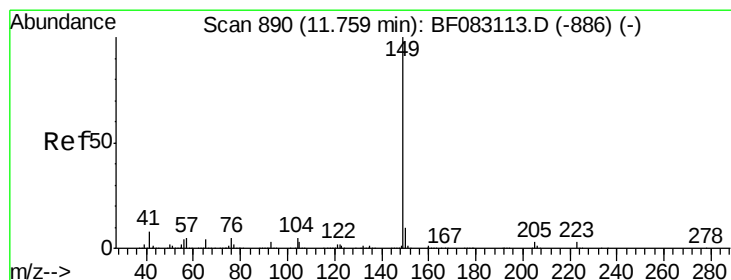
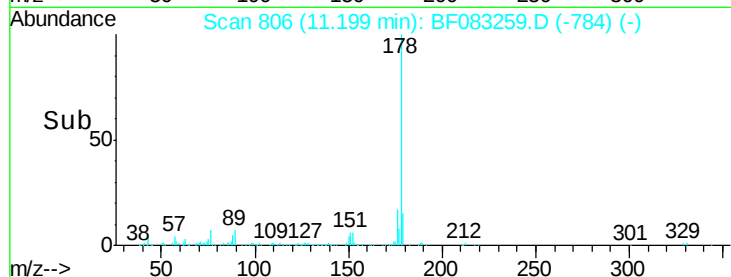
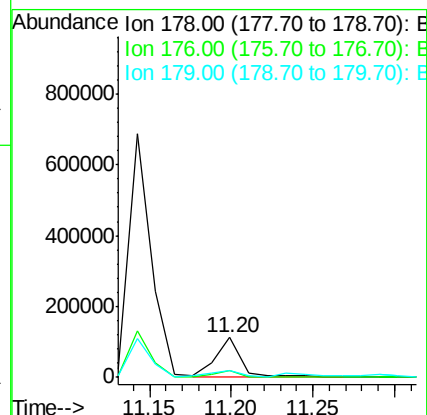
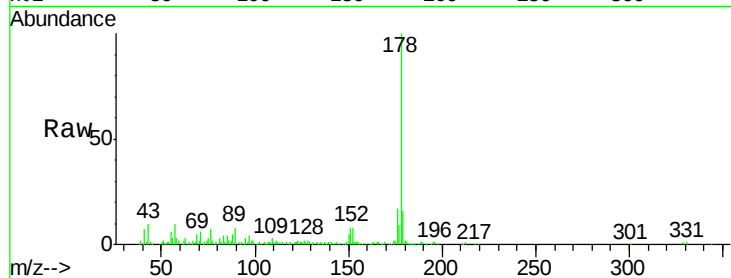




#71
 Anthracene
 Concen: 2.96 ng
 RT: 11.20 min Scan# 806
 Delta R.T. -0.05 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

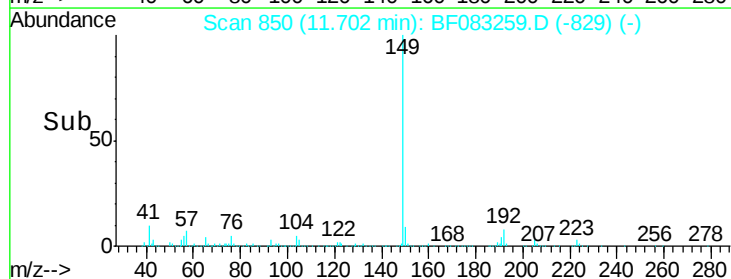
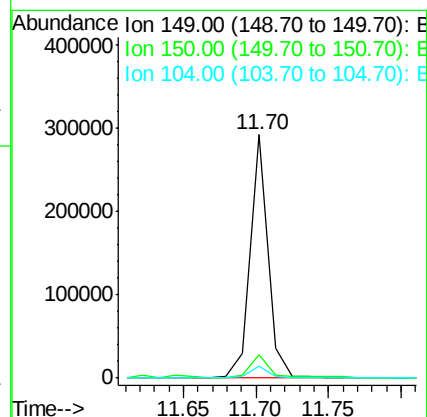
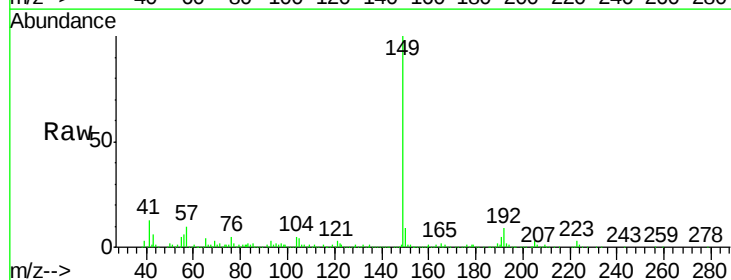
Instrument :
 BNA_F
 ClientSampleId :
 TEC-C1

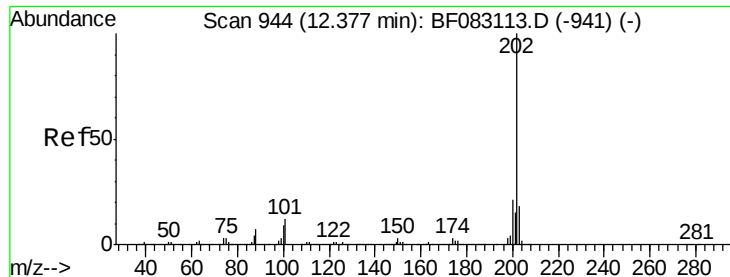
Tgt Ion:178 Resp: 115340
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.6 23.4
 179 15.9 13.2 19.8



#73
 Di-n-butylphthalate
 Concen: 5.81 ng
 RT: 11.70 min Scan# 850
 Delta R.T. -0.06 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Tgt Ion:149 Resp: 245642
 Ion Ratio Lower Upper
 149 100
 150 9.4 8.0 12.0
 104 5.0 4.4 6.6





#74

Fluoranthene

Concen: 31.03 ng

RT: 12.33 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

Instrument :

BNA_F

ClientSampleId :

TEC-C1

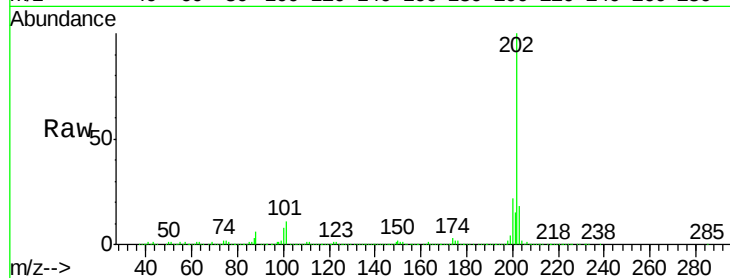
Tgt Ion:202 Resp: 1212670

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.3

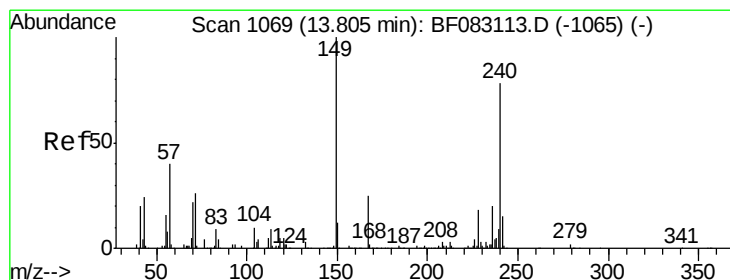
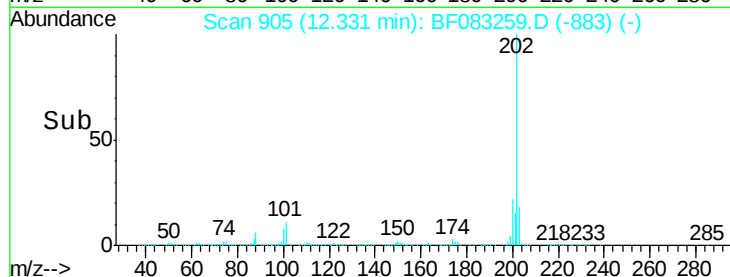
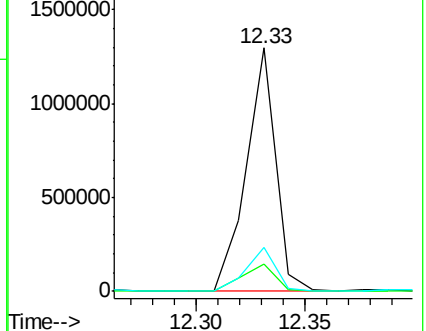
203 18.2 0.0 38.4



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# 1029

Delta R.T. -0.06 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

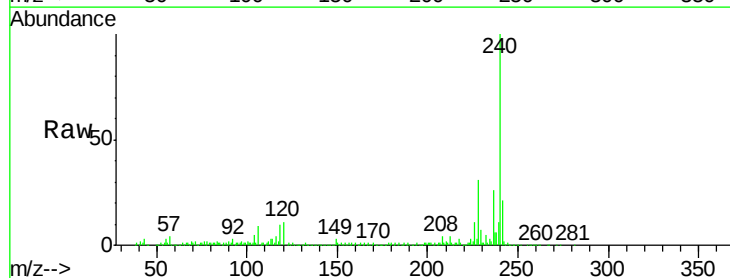
Tgt Ion:240 Resp: 449335

Ion Ratio Lower Upper

240 100

120 11.5 5.4 8.2#

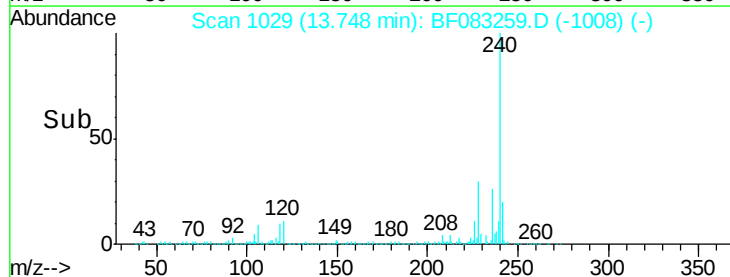
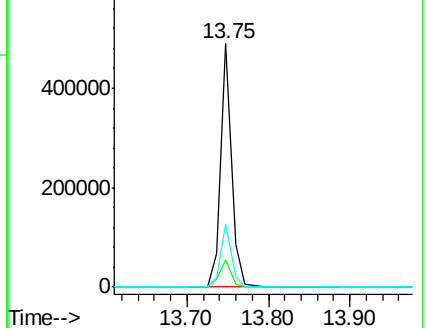
236 25.9 20.6 31.0

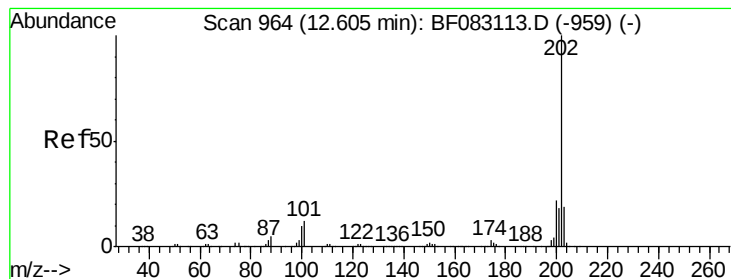


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 35.64 ng

RT: 12.56 min Scan# 925

Delta R.T. -0.05 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

Instrument :

BNA_F

ClientSampleId :

TEC-C1

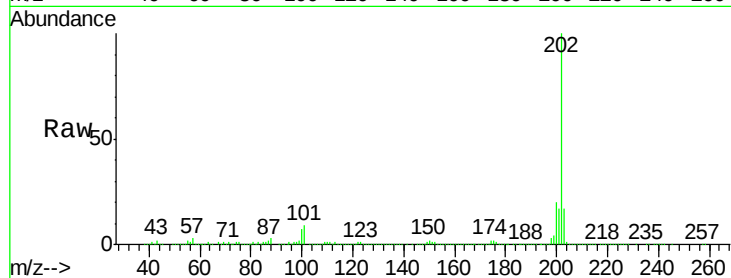
Tgt Ion:202 Resp: 1094087

Ion Ratio Lower Upper

202 100

200 20.4 17.8 26.6

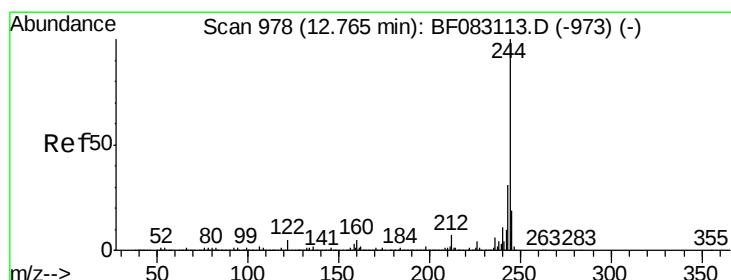
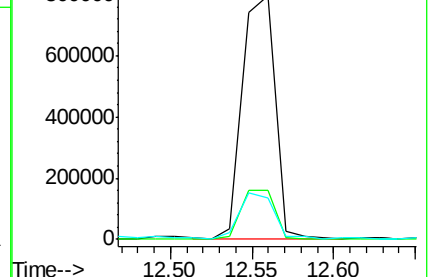
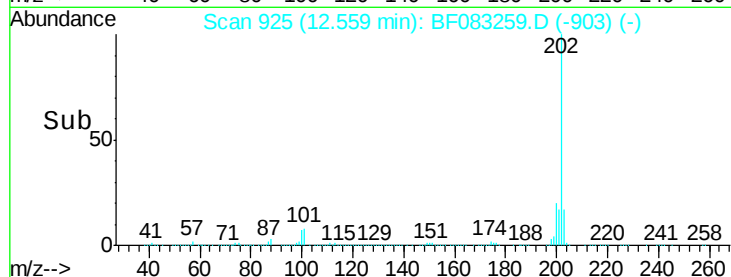
203 17.0 15.0 22.4



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: 78.60 ng

RT: 12.71 min Scan# 938

Delta R.T. -0.06 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

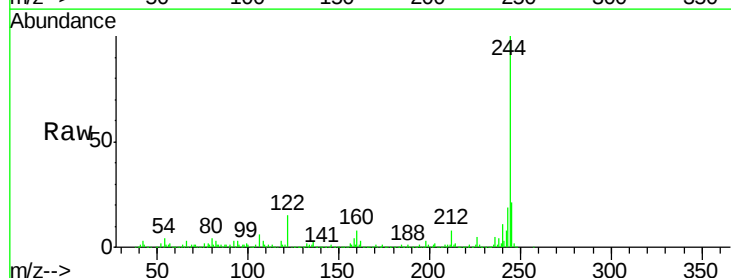
Tgt Ion:244 Resp: 1499770

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.2

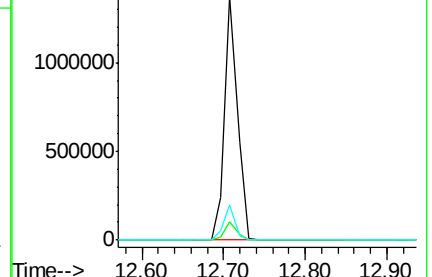
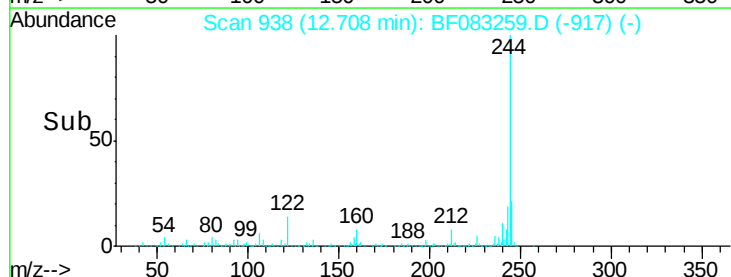
122 14.5 4.3 6.5#

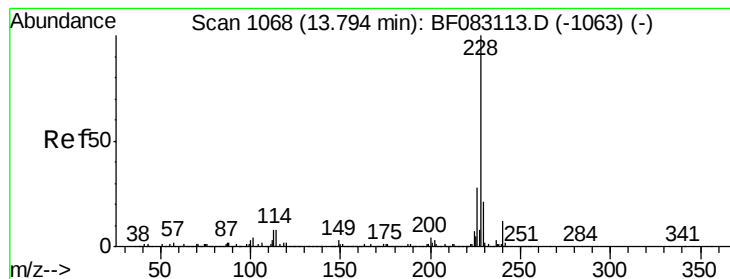


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 19.36 ng

RT: 13.74 min Scan# 1028

Delta R.T. -0.06 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

Instrument :

BNA_F

ClientSampleId :

TEC-C1

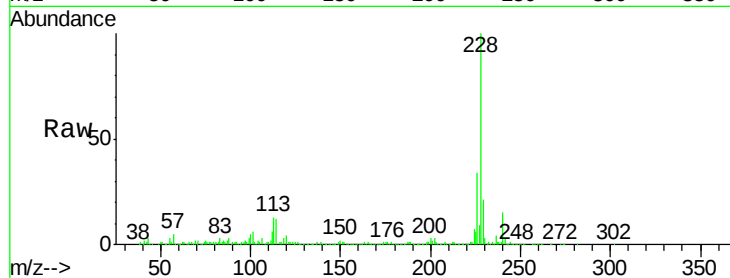
Tgt Ion:228 Resp: 538102

Ion Ratio Lower Upper

228 100

226 33.7 22.6 33.8

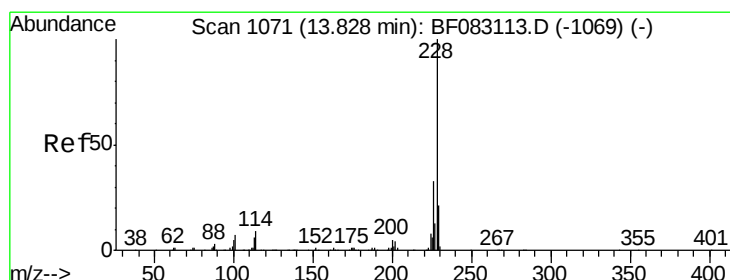
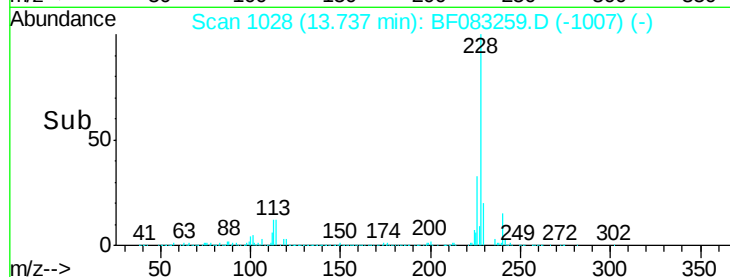
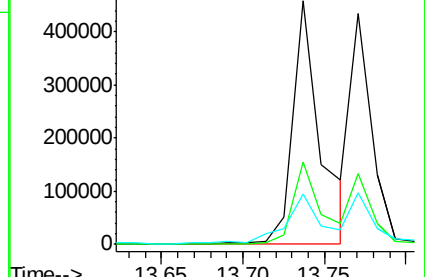
229 20.6 16.6 24.8



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: 15.39 ng

RT: 13.77 min Scan# 1031

Delta R.T. -0.06 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

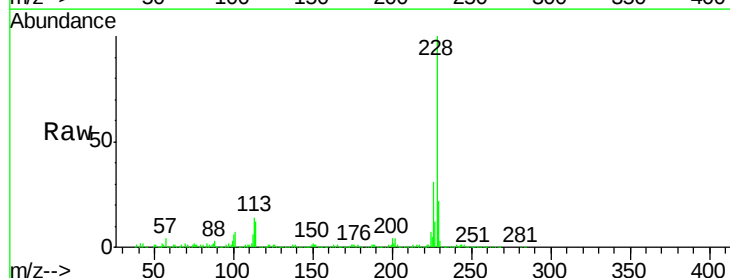
Tgt Ion:228 Resp: 396658

Ion Ratio Lower Upper

228 100

226 30.7 25.5 38.3

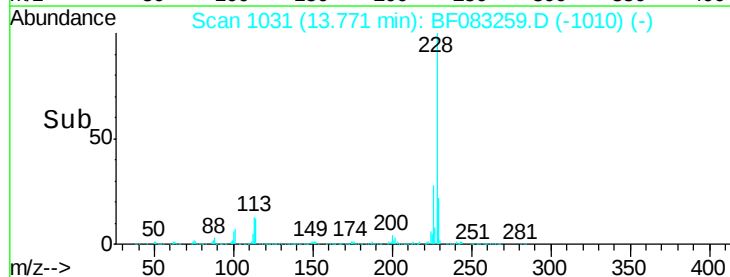
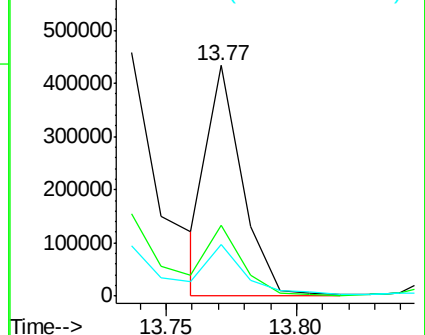
229 22.1 16.6 25.0

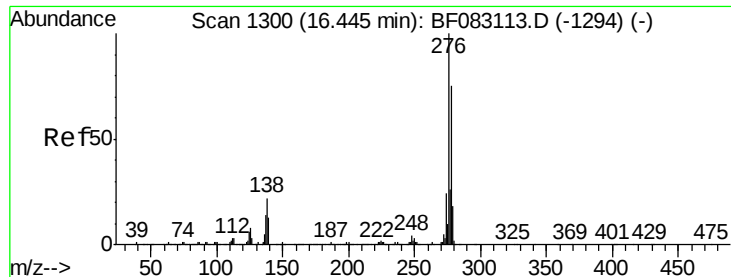


Abundance Ion 228.00 (227.70 to 228.70): E

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: 13.17 ng

RT: 16.34 min Scan# 1256

Delta R.T. -0.10 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

Instrument :

BNA_F

ClientSampleId :

TEC-C1

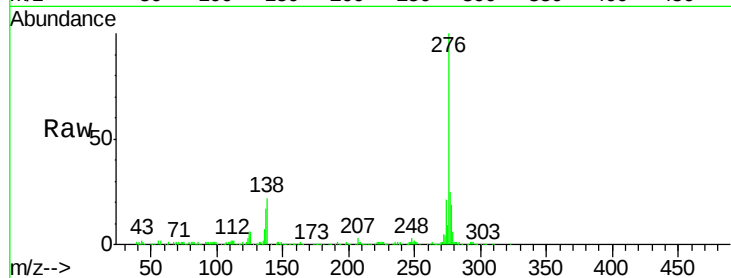
Tgt Ion: 276 Resp: 308692

Ion Ratio Lower Upper

276 100

138 21.0 18.0 27.0

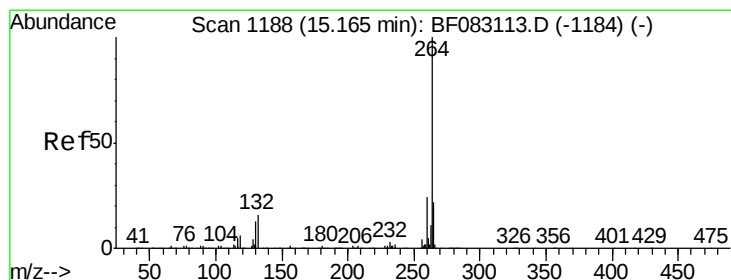
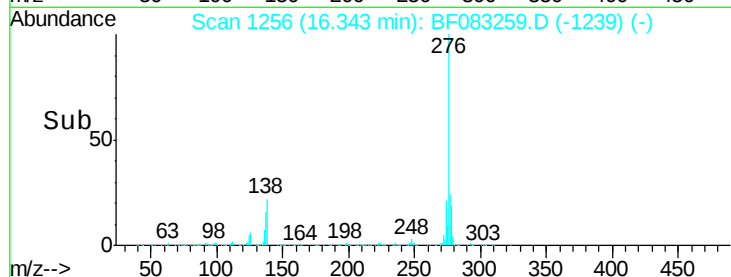
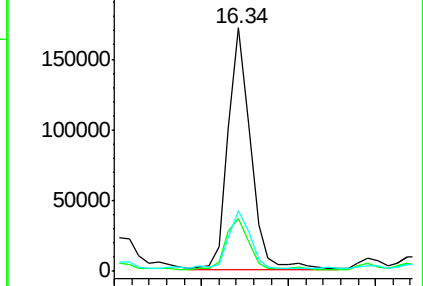
277 26.0 20.2 30.4



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: 15.11 min Scan# 1148

Delta R.T. -0.06 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

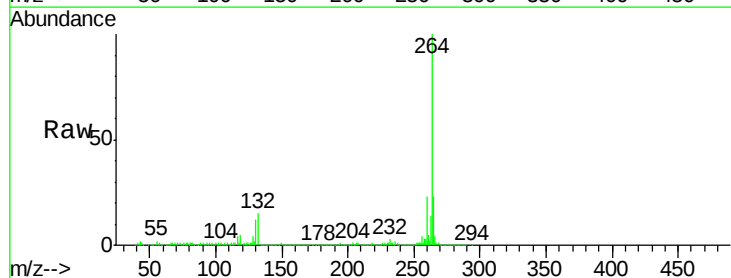
Tgt Ion: 264 Resp: 436142

Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

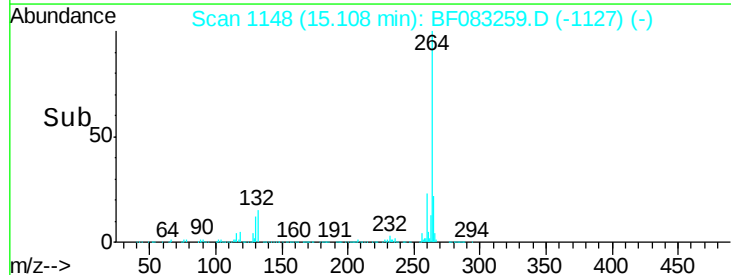
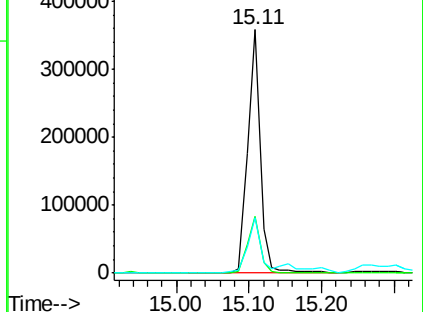
265 22.5 18.2 27.4

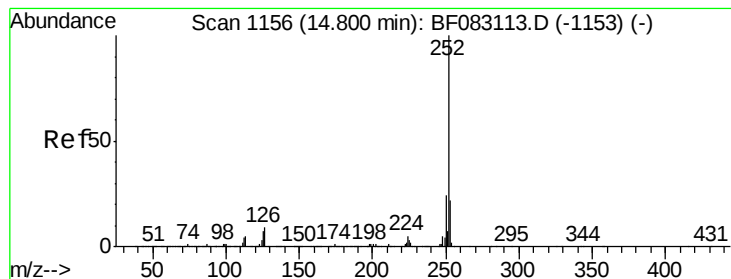


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 23.89 ng

RT: 14.74 min Scan# 1116

Delta R.T. -0.06 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

Instrument :

BNA_F

ClientSampleId :

TEC-C1

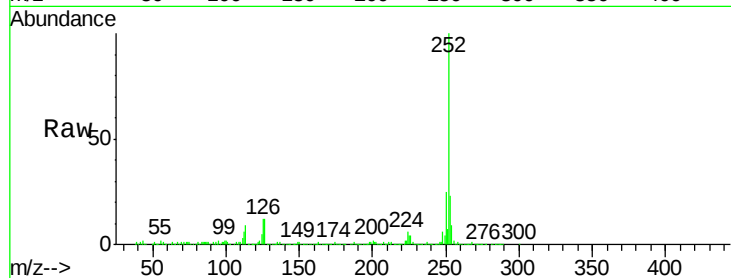
Tgt Ion:252 Resp: 711974

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

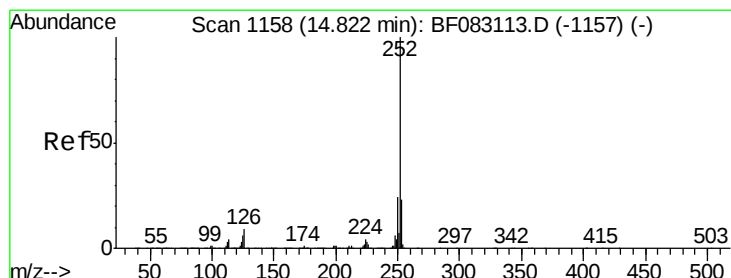
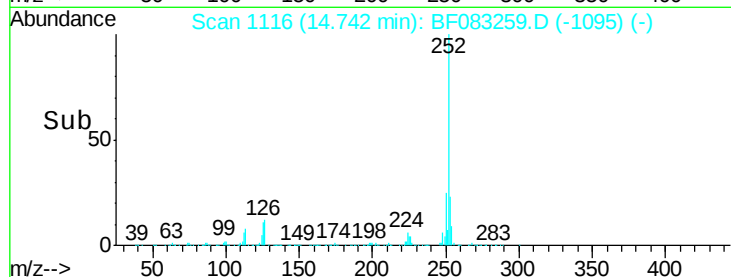
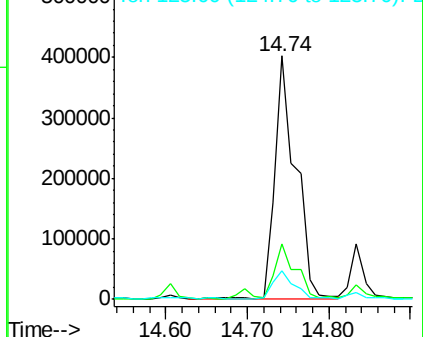
125 11.6 5.6 8.4#



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



#88

Benzo(k)fluoranthene

Concen: 32.07 ng

RT: 14.74 min Scan# 1116

Delta R.T. -0.08 min

Lab File: BF083259.D

Acq: 25 Nov 2015 2:05

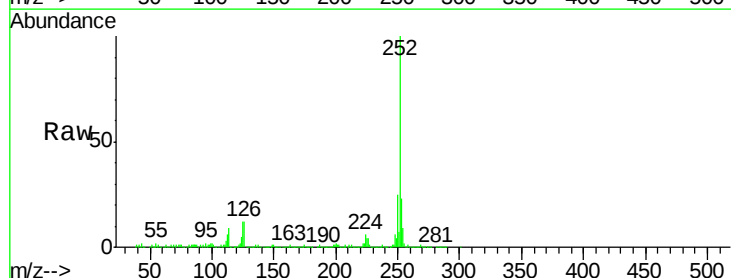
Tgt Ion:252 Resp: 711974

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

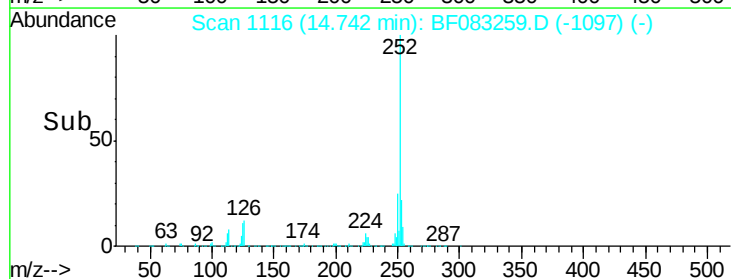
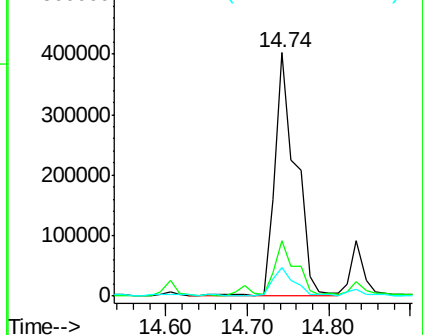
125 11.6 6.8 10.2#

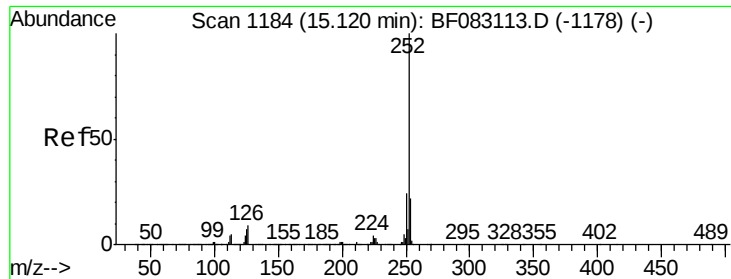


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

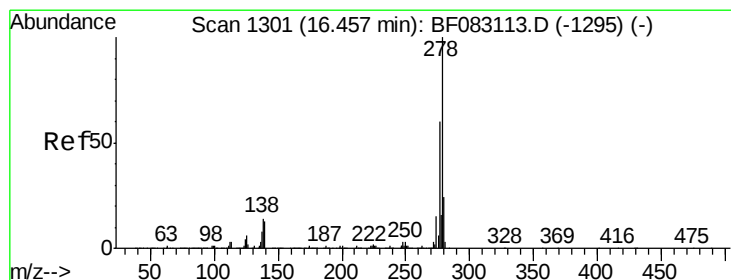
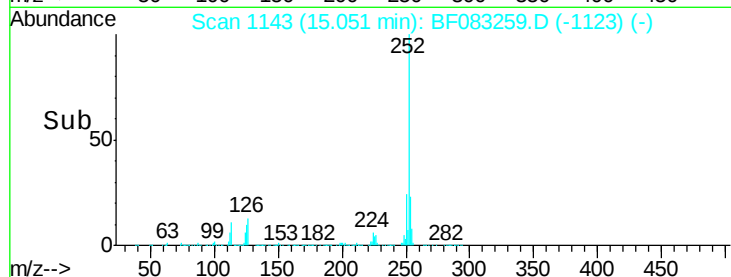
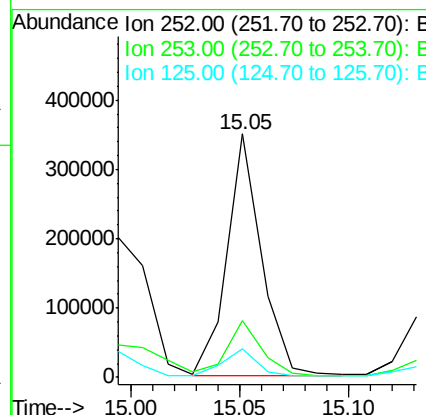
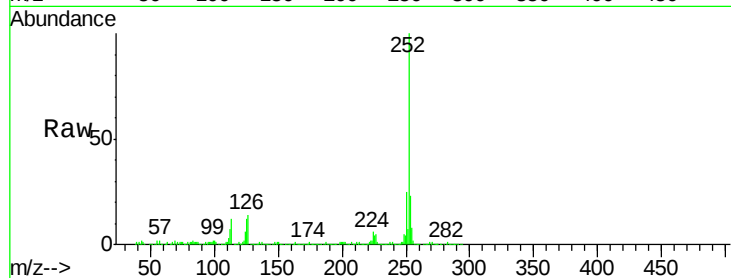




#89
Benzo(a)pyrene
Concen: 15.65 ng
RT: 15.05 min Scan# 1143
Delta R.T. -0.07 min
Lab File: BF083259.D
Acq: 25 Nov 2015 2:05

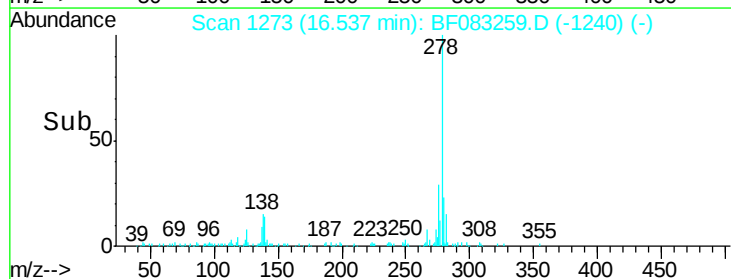
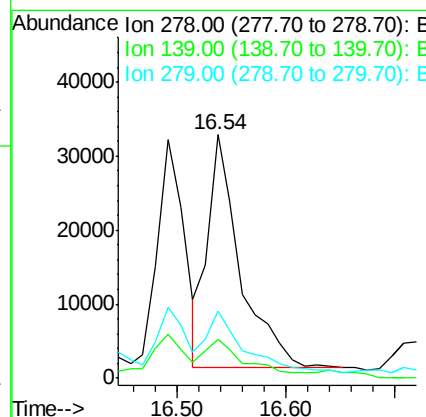
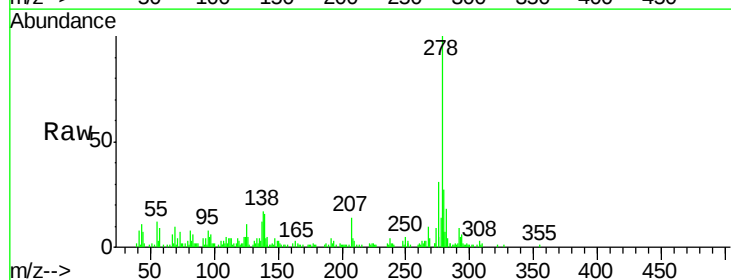
Instrument :
BNA_F
ClientSampleId :
TEC-C1

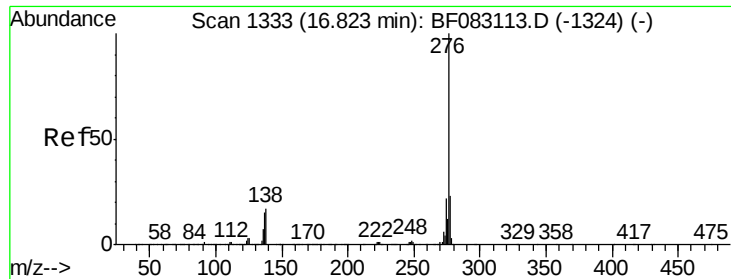
Tgt Ion: 252 Resp: 385000
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.7 5.4 8.0#



#90
Dibenzo(a,h)anthracene
Concen: 2.95 ng
RT: 16.54 min Scan# 1273
Delta R.T. 0.08 min
Lab File: BF083259.D
Acq: 25 Nov 2015 2:05

Tgt Ion: 278 Resp: 65930
Ion Ratio Lower Upper
278 100
139 16.0 10.7 16.1
279 27.4 19.3 28.9





#91
 Benzo(g,h,i)perylene
 Concen: 13.92 ng
 RT: 16.71 min Scan# 1288
 Delta R.T. -0.11 min
 Lab File: BF083259.D
 Acq: 25 Nov 2015 2:05

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.7	28.1
138	23.3	13.9	20.9

