

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111815\
 Data File : BF083025.D
 Acq On : 18 Nov 2015 23:23
 Operator : UM/IZ
 Sample : G4440-04 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V1S4

Quant Time: Nov 19 01:52:55 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	84305	20.00	ng	0.15
21) Naphthalene-d8	8.02	136	442095	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	207808	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	322382	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	240235	20.00	ng	-0.01
86) Perylene-d12	15.27	264	225346	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	176832	32.64	ng	-0.01
7) Phenol-d6	6.37	99	230473	32.00	ng	-0.02
23) Nitrobenzene-d5	7.29	82	144214	14.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	37047	15.55	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	246483	17.00	ng	-0.01
78) Terphenyl-d14	12.83	244	181966	17.97	ng	-0.01

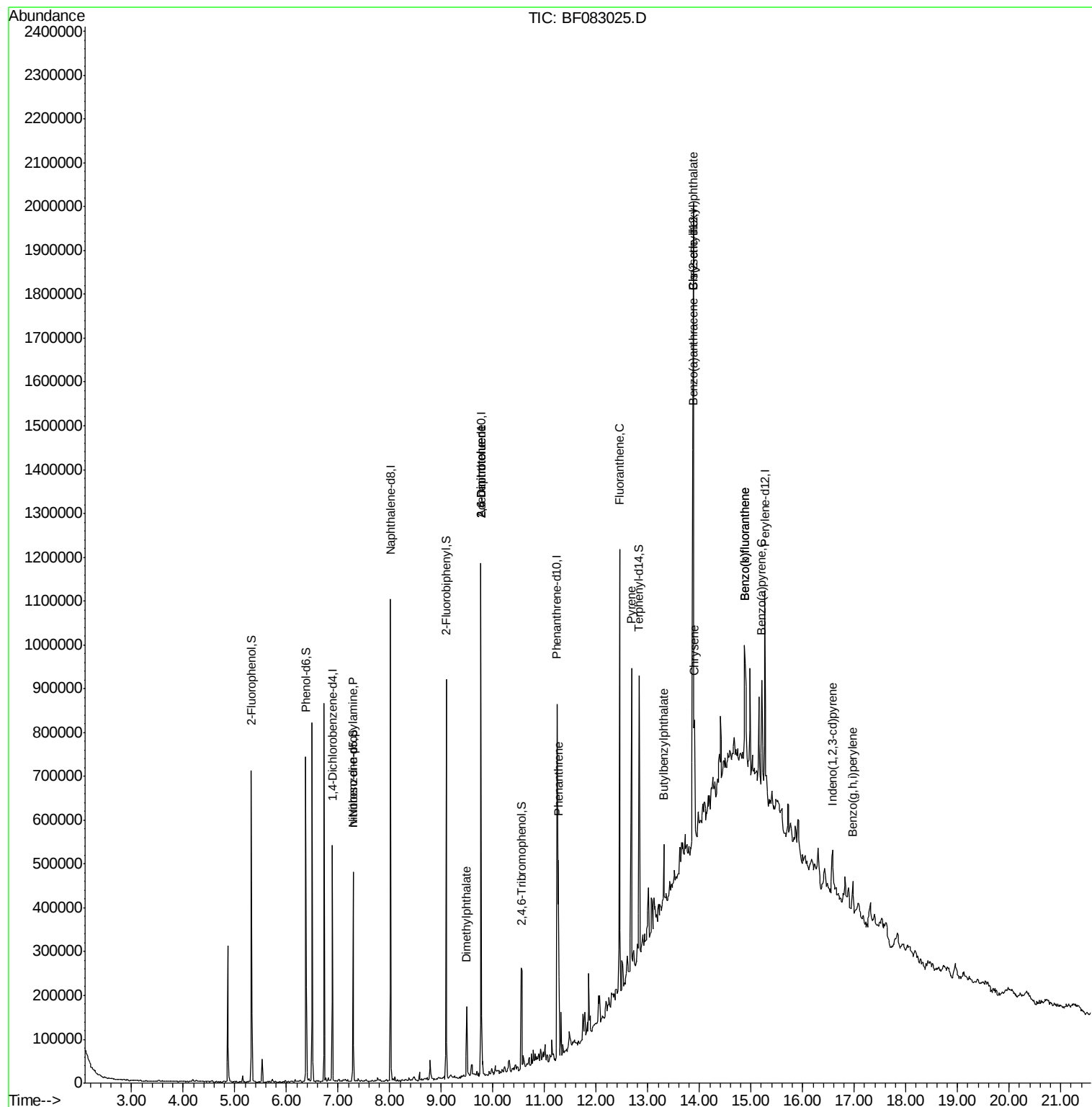
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	19084	3.60	ng	# 76
49) Dimethylphthalate	9.49	163	59610	3.50	ng	# 96
50) 2,6-Dinitrotoluene	9.77	165	26951	7.42	ng	# 17
56) 2,4-Dinitrotoluene	9.77	165	26951	5.47	ng	# 15
70) Phenanthrene	11.26	178	181050	9.67	ng	97
74) Fluoranthene	12.45	202	384059	19.12	ng	98
77) Pyrene	12.68	202	316267	19.17	ng	95
79) Butylbenzylphthalate	13.31	149	30043	4.12	ng	96
80) Benzo(a)anthracene	13.87	228	138509	9.22	ng	98
82) Chrysene	13.91	228	135063	9.82	ng	97
83) Bis(2-ethylhexyl)phthalate	13.88	149	258434	25.91	ng	98
85) Indeno(1,2,3-cd)pyrene	16.58	276	58820	4.96	ng	# 91
87) Benzo(b)fluoranthene	14.88	252	218035	15.07	ng	# 94
88) Benzo(k)fluoranthene	14.88	252	217668	16.96	ng	# 94
89) Benzo(a)pyrene	15.21	252	102709	8.20	ng	# 92
91) Benzo(g,h,i)perylene	16.97	276	59553	5.86	ng	# 95

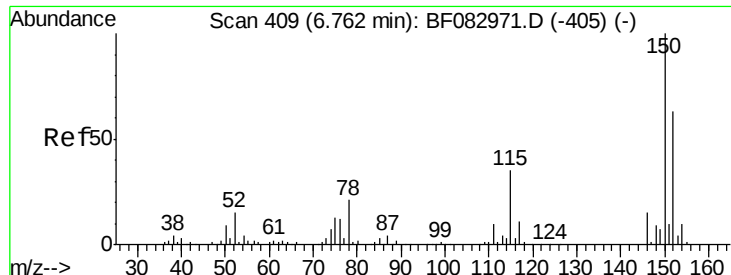
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. 0.15 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Instrument :

BNA_F

ClientSampleId :

V1S4

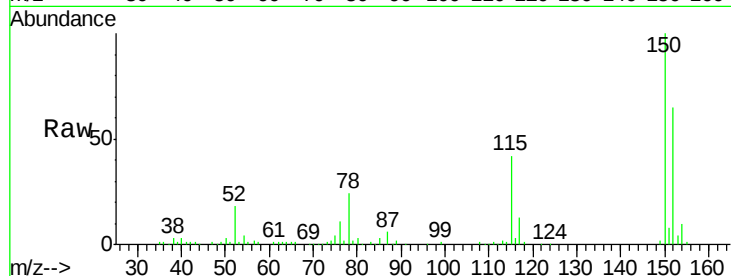
Tot Ion:152 Resp: 84305

Ion Ratio Lower Upper

152 100

150 153.4 127.0 190.4

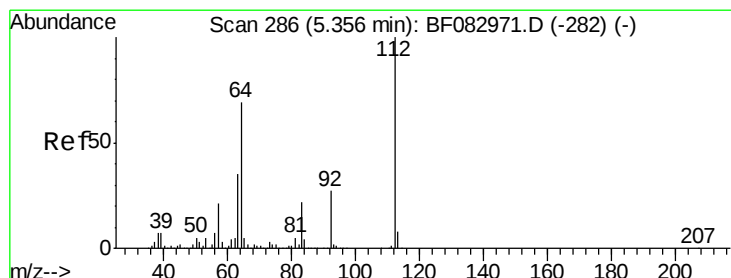
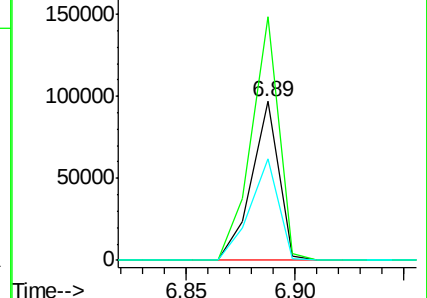
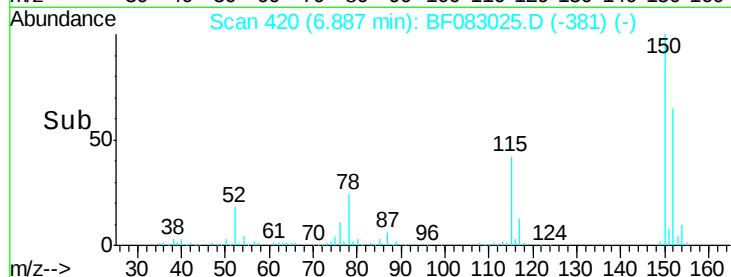
115 64.3 47.0 70.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 32.64 ng

RT: 5.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

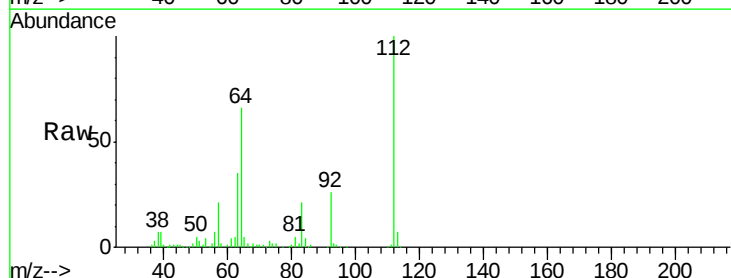
Tgt Ion:112 Resp: 176832

Ion Ratio Lower Upper

112 100

64 66.1 48.9 73.3

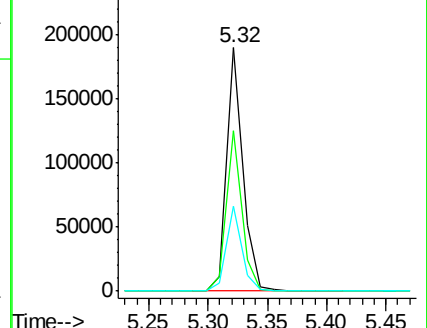
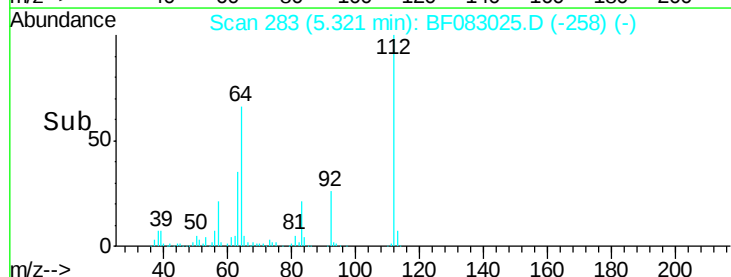
63 34.6 28.1 42.1

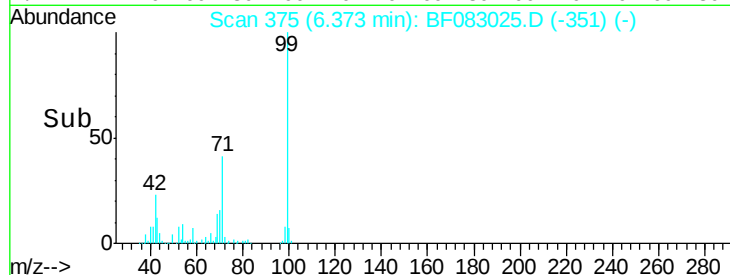
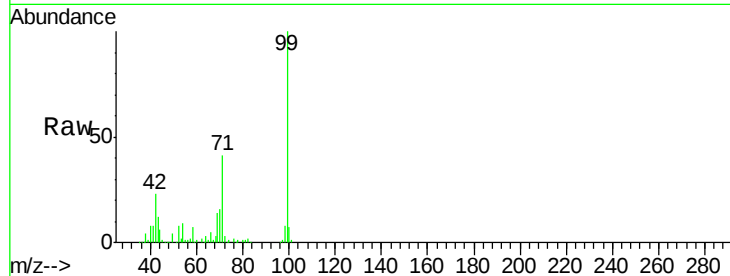
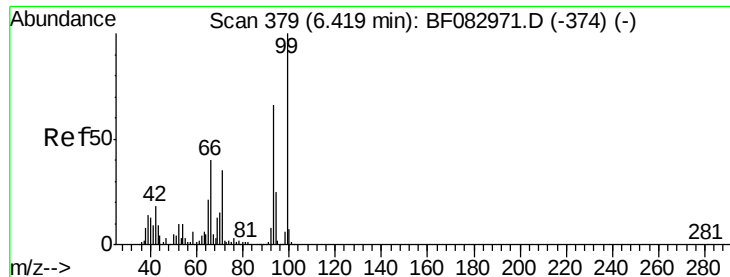


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.00 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Instrument :

BNA_F

ClientSampleId :

V1S4

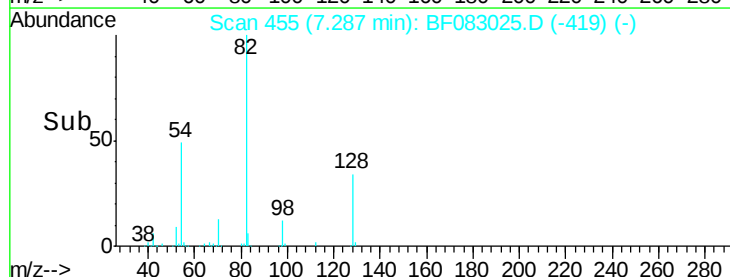
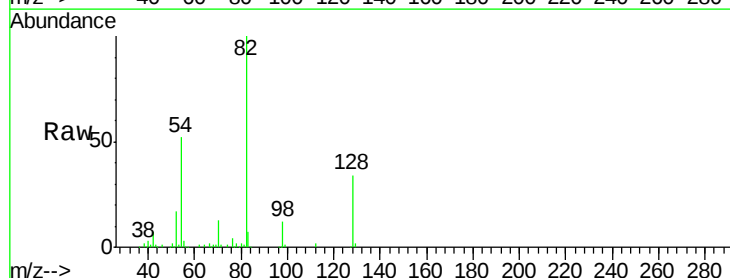
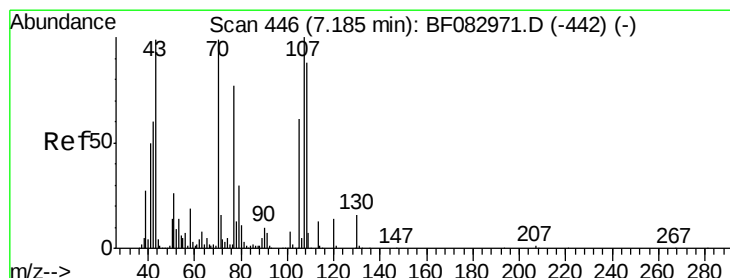
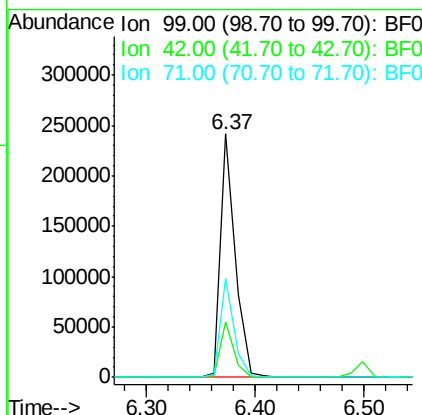
Tot Ion: 99 Resp: 230473

Ion Ratio Lower Upper

99 100

42 22.5 19.2 28.8

71 40.8 35.0 52.4



#19

n-Nitroso-di-n-propylamine

Concen: 3.60 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.11 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Tgt Ion: 70 Resp: 19084

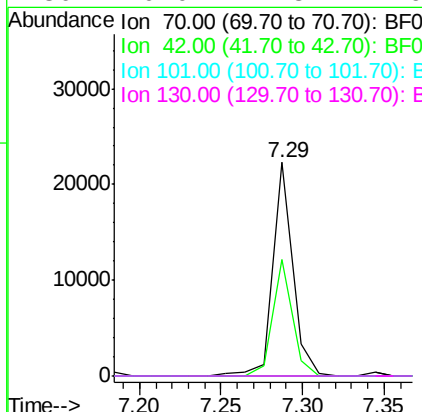
Ion Ratio Lower Upper

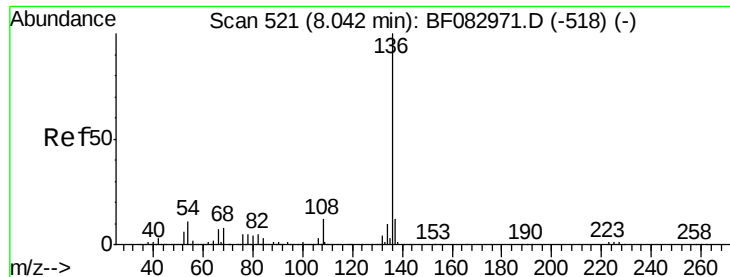
70 100

42 54.3 57.7 86.5#

101 0.0 7.0 10.6#

130 0.0 11.8 17.6#

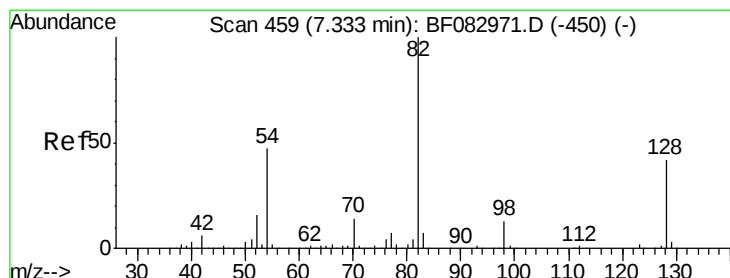
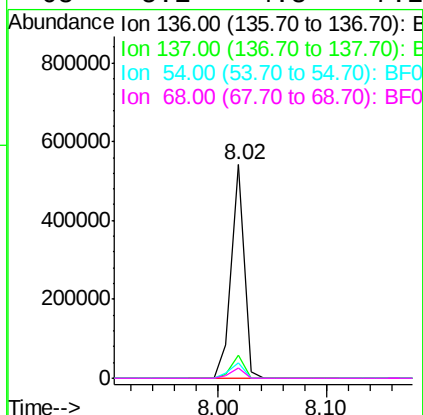
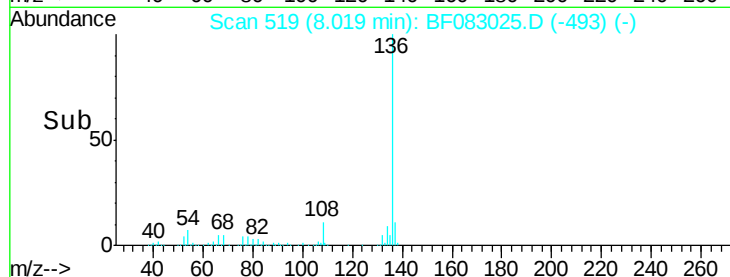
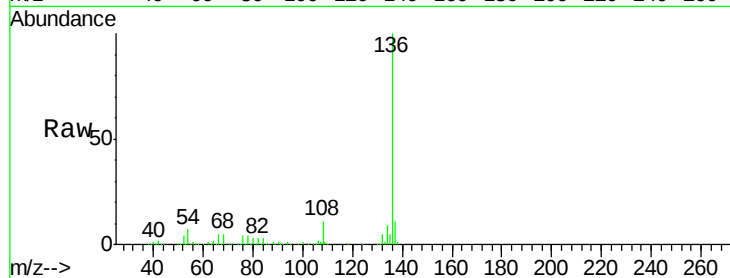




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

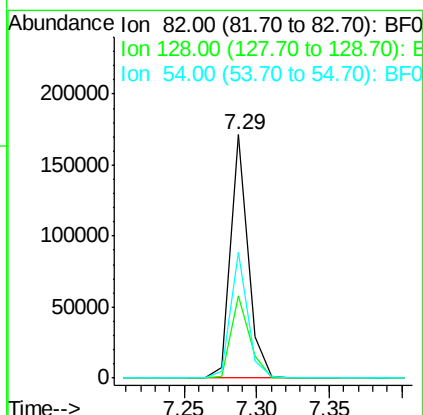
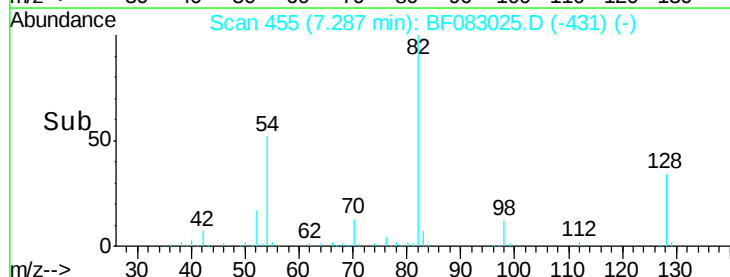
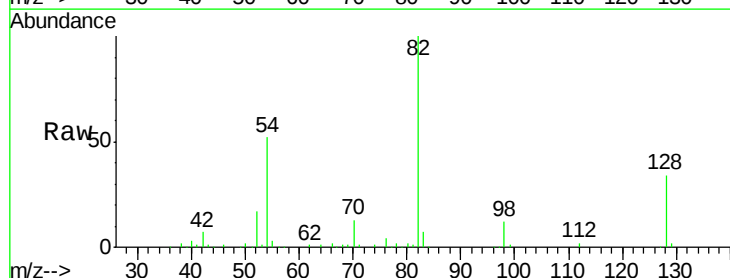
Instrument :
BNA_F
ClientSampleId :
V1S4

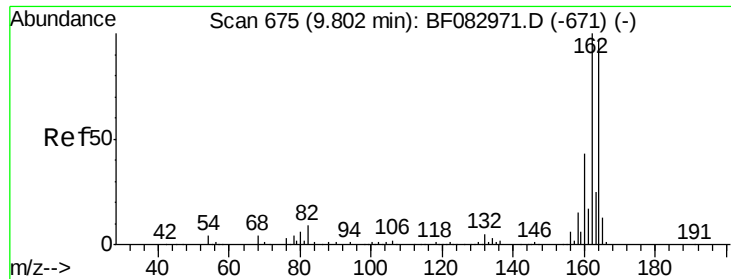
Tot Ion:136	Resp:	442095
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.1 13.7
54	7.4	9.1 13.7#
68	5.1	4.8 7.2



#23
Nitrobenzene-d5
Concen: 14.19 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Tgt Ion: 82	Resp:	144214
Ion Ratio	Lower	Upper
82	100	
128	33.8	26.8 40.2
54	51.8	45.7 68.5

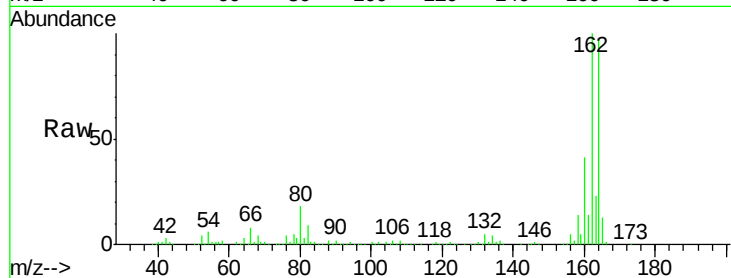




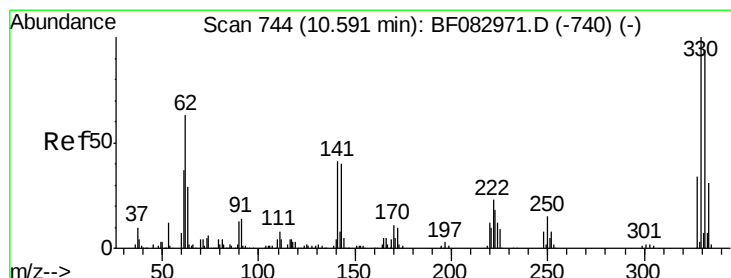
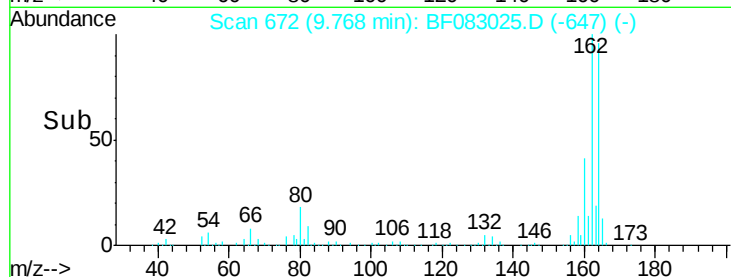
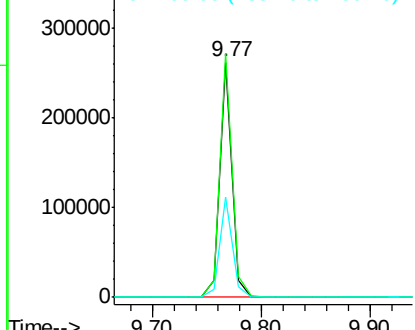
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Instrument :
BNA_F
ClientSampleId :
V1S4

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	84.9	127.3
160	42.9	37.5	56.3

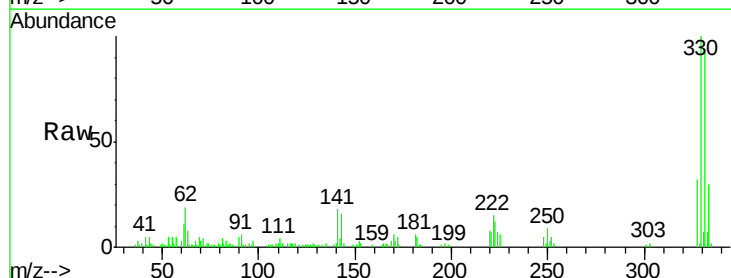


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

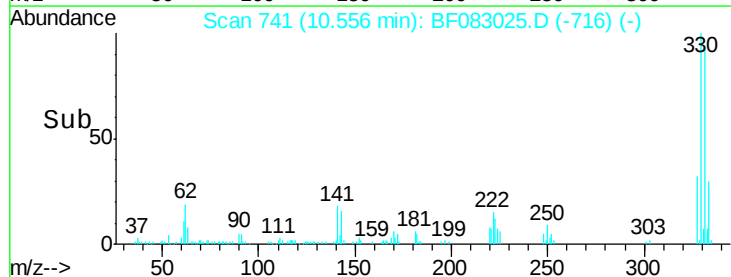
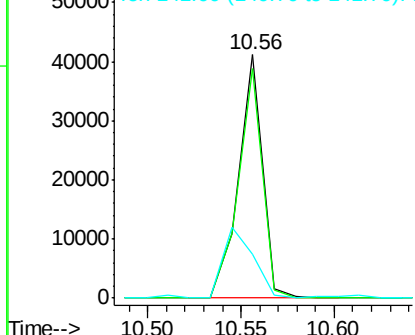


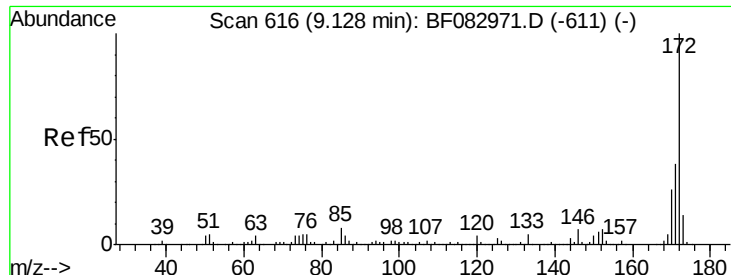
#41
2,4,6-Tribromophenol
Concen: 15.55 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	114.8
141	37.7	41.2	61.8#



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

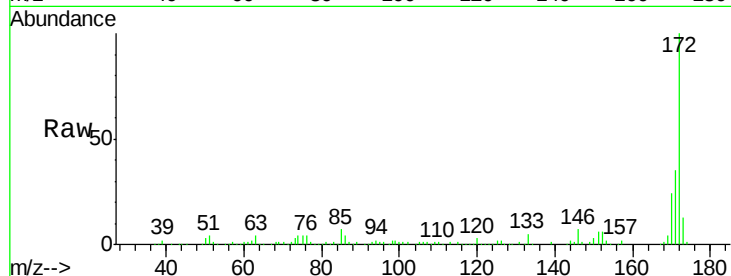




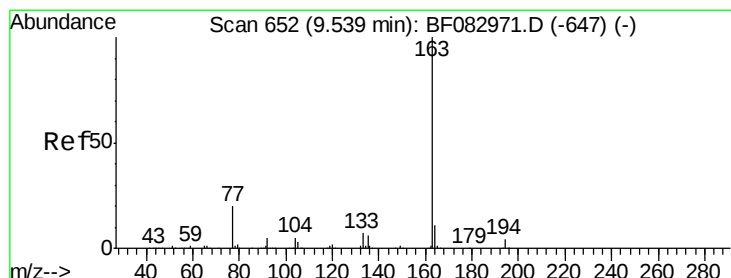
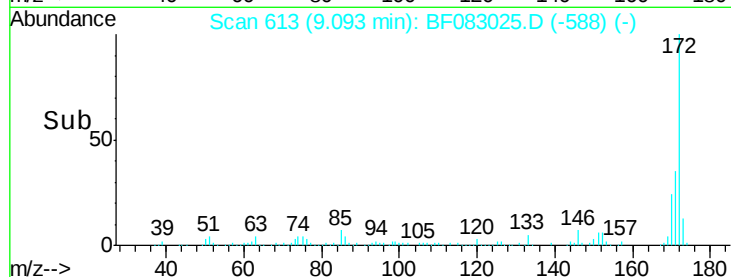
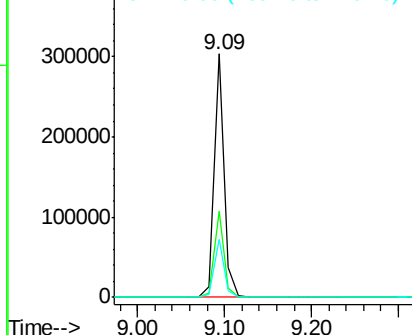
#44
2-Fluorobiphenyl
Concen: 17.00 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Instrument :
BNA_F
ClientSampleId :
V1S4

Tot Ion:172 Resp: 246483
Ion Ratio Lower Upper
172 100
171 35.3 30.8 46.2
170 23.7 21.2 31.8

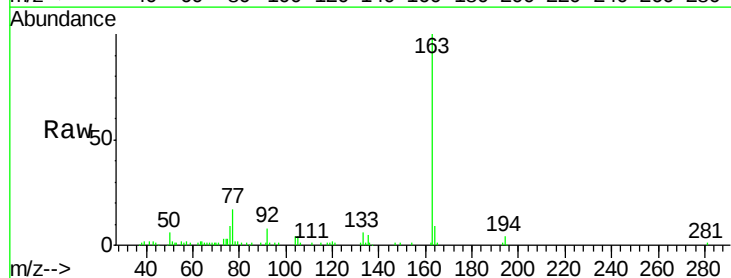


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

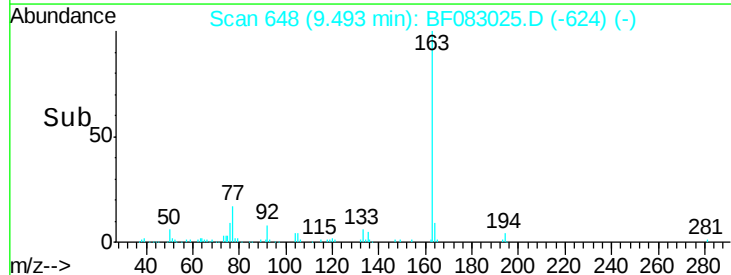
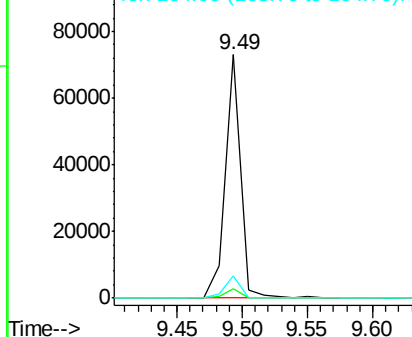


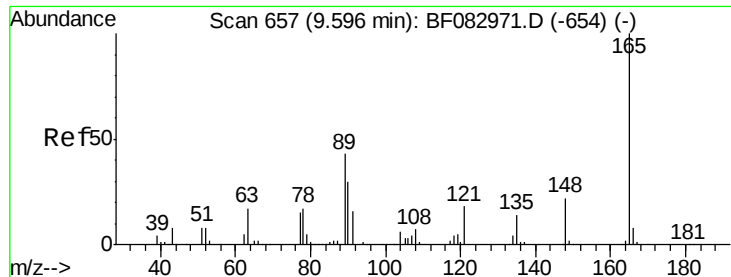
#49
Dimethylphthalate
Concen: 3.50 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Tgt Ion:163 Resp: 59610
Ion Ratio Lower Upper
163 100
194 4.0 2.6 4.0#
164 9.3 8.7 13.1



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

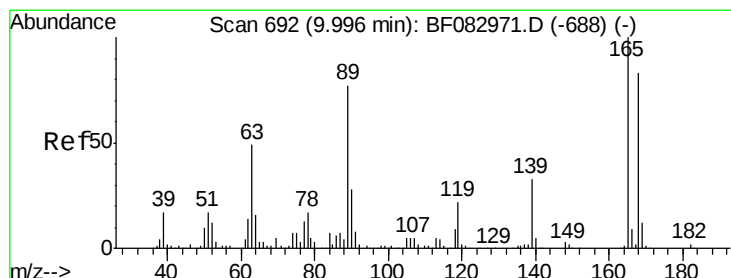
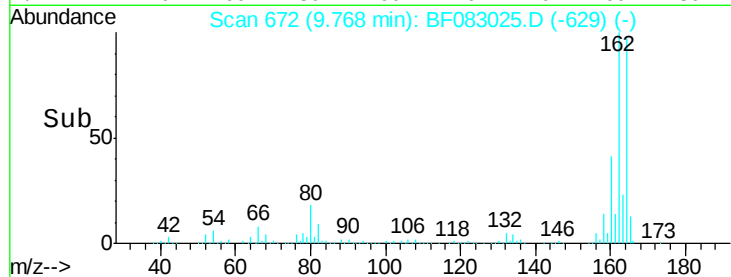
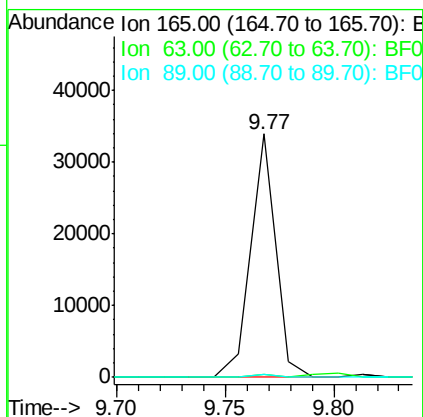
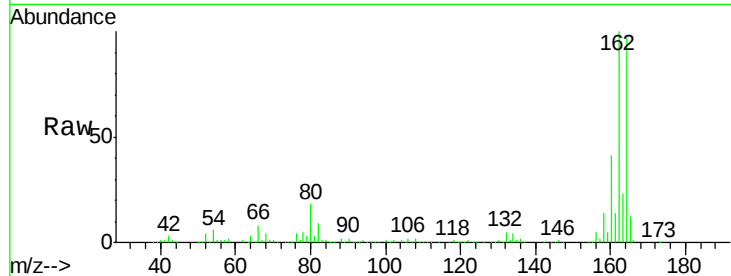




#50
 2,6-Dinitrotoluene
 Concen: 7.42 ng
 RT: 9.77 min Scan# 672
 Delta R.T. 0.19 min
 Lab File: BF083025.D
 Acq: 18 Nov 2015 23:23

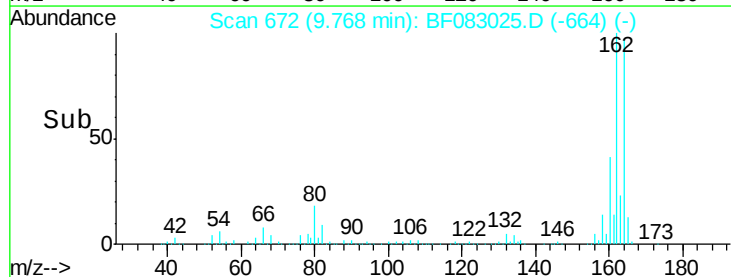
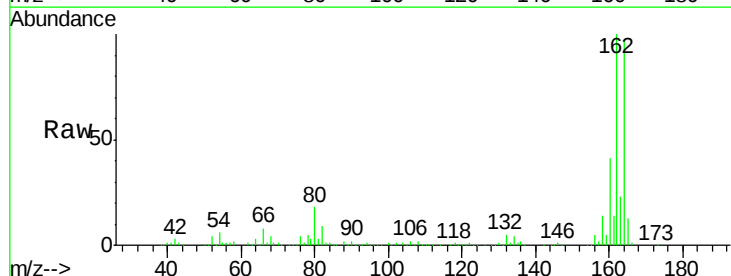
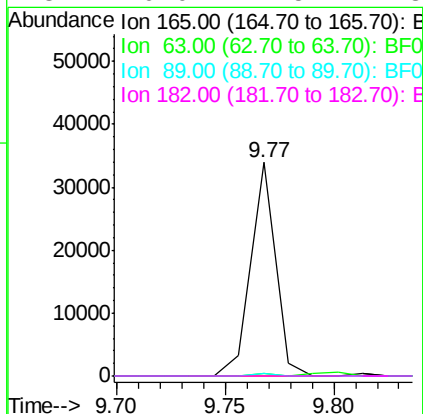
Instrument :
 BNA_F
 ClientSampleId :
 V1S4

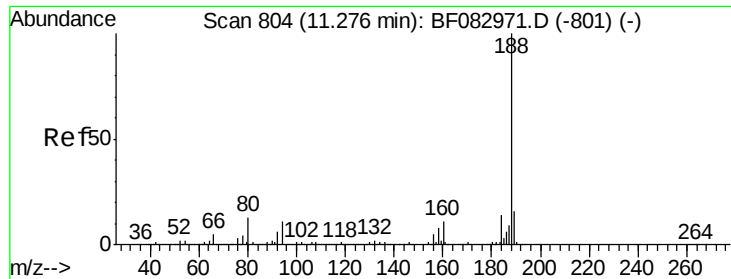
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	55.5	83.3#
89	1.4	55.0	82.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.47 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.21 min
 Lab File: BF083025.D
 Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.4	65.0#
89	1.4	70.6	106.0#
182	0.0	1.5	2.3#

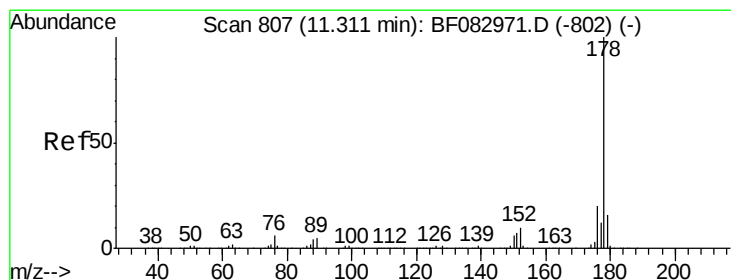
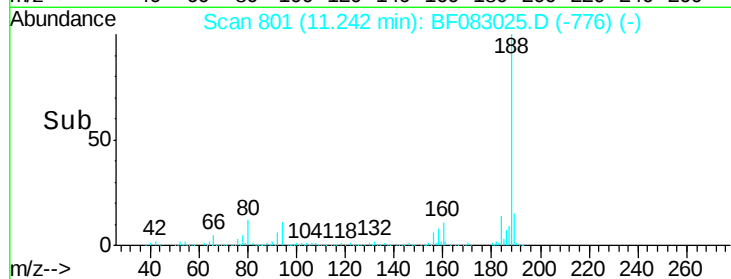
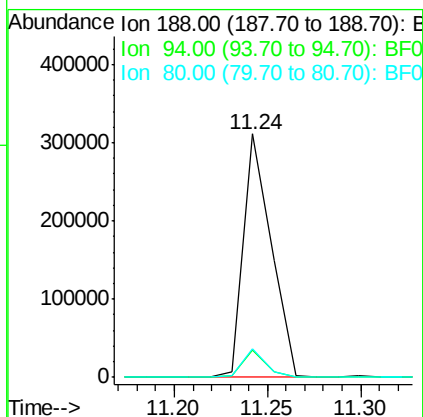
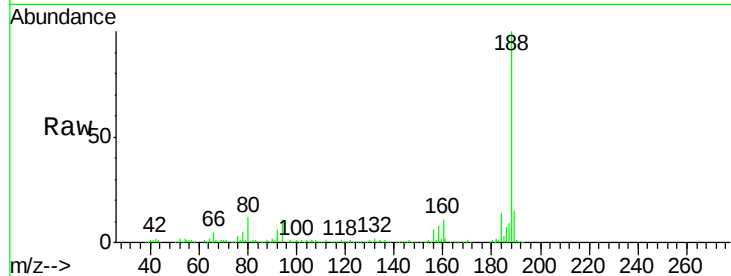




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

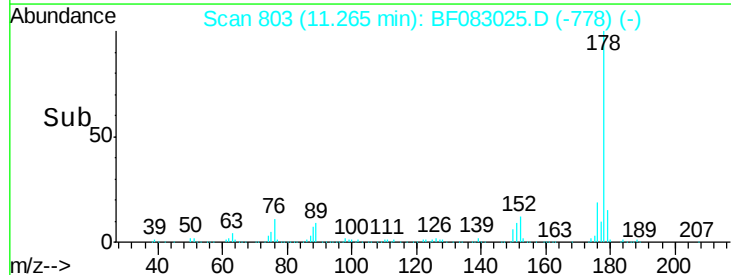
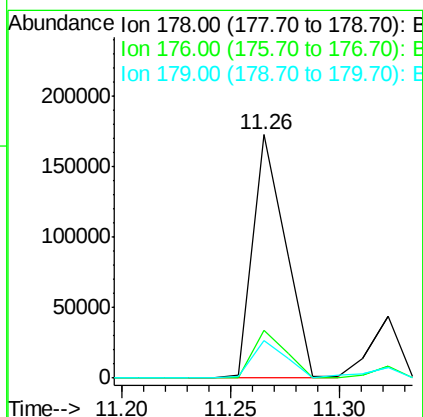
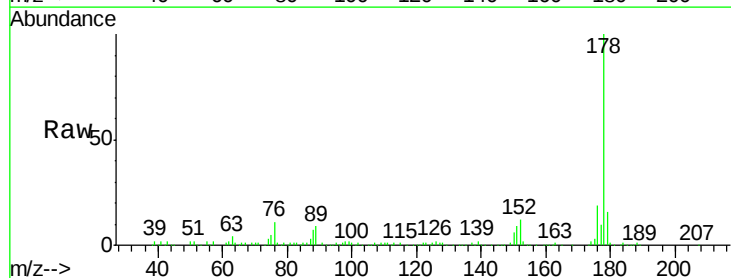
Instrument :
BNA_F
ClientSampleId :
V1S4

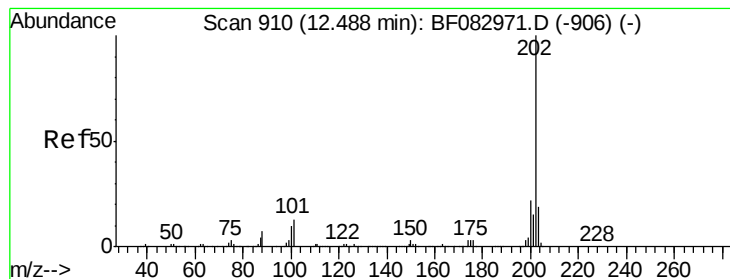
Tot Ion:188 Resp: 322382
Ion Ratio Lower Upper
188 100
94 11.1 6.1 9.1#
80 12.0 7.0 10.6#



#70
Phenanthrene
Concen: 9.67 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Tgt Ion:178 Resp: 181050
Ion Ratio Lower Upper
178 100
176 19.4 17.0 25.4
179 15.5 13.4 20.0





#74

Fluoranthene

Concen: 19.12 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Instrument :

BNA_F

ClientSampleId :

V1S4

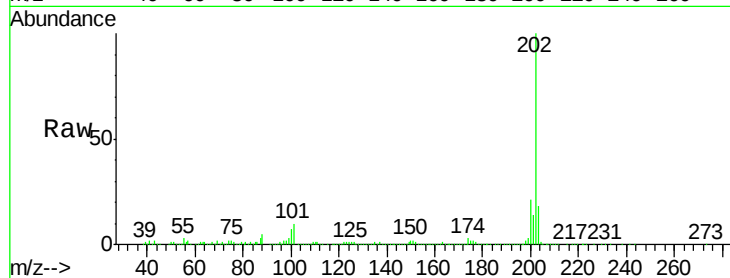
Tot Ion:202 Resp: 384059

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.5

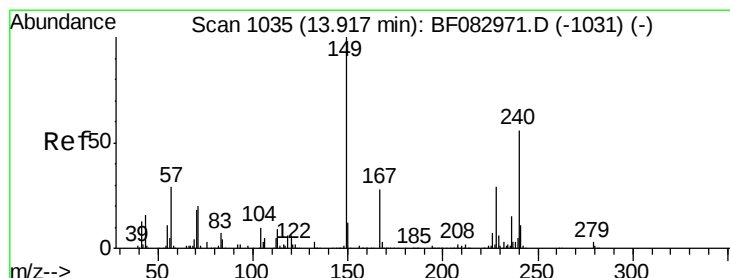
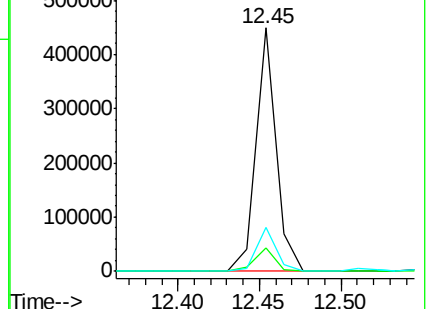
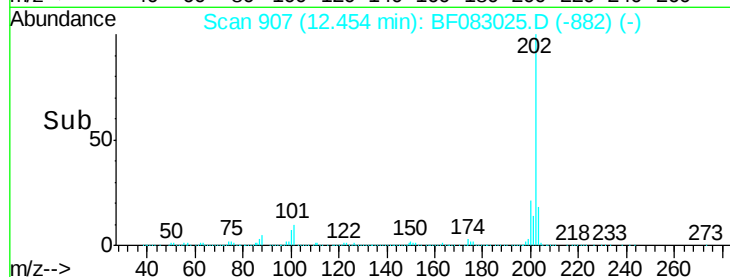
203 18.0 0.0 38.5



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: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

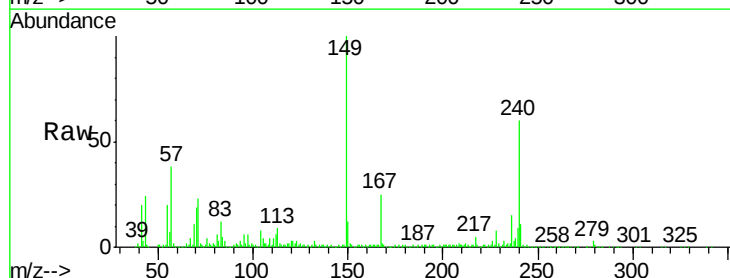
Tgt Ion:240 Resp: 240235

Ion Ratio Lower Upper

240 100

120 5.1 10.9 16.3#

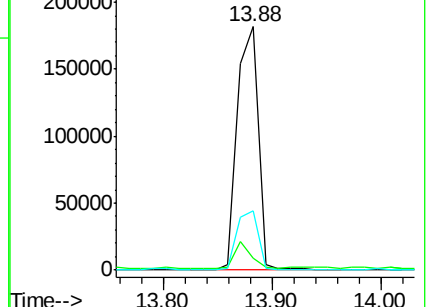
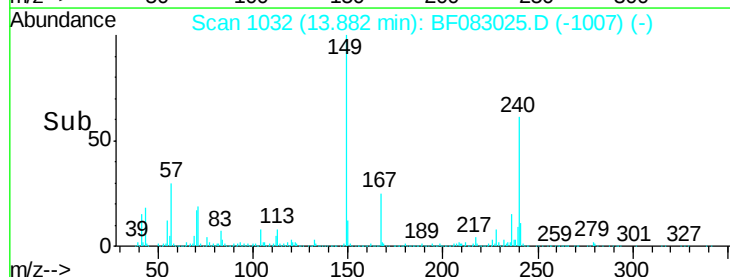
236 24.6 21.6 32.4

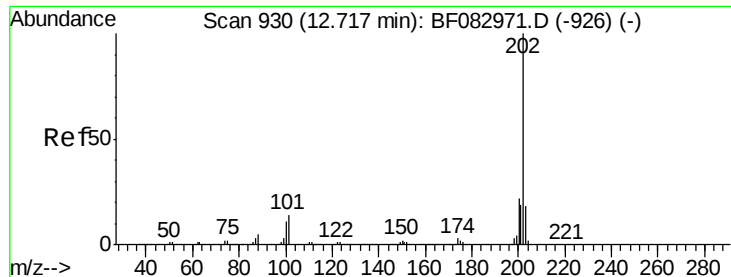


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.17 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Instrument :

BNA_F

ClientSampleId :

V1S4

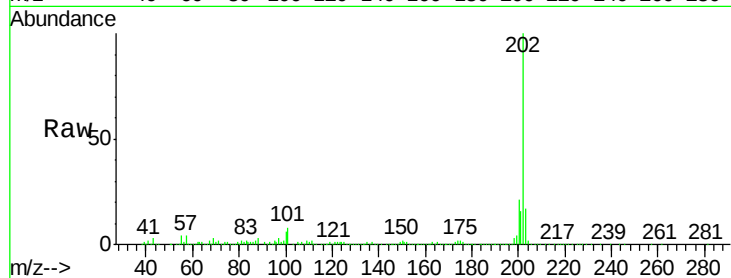
Tot Ion:202 Resp: 316267

Ion Ratio Lower Upper

202 100

200 20.7 18.7 28.1

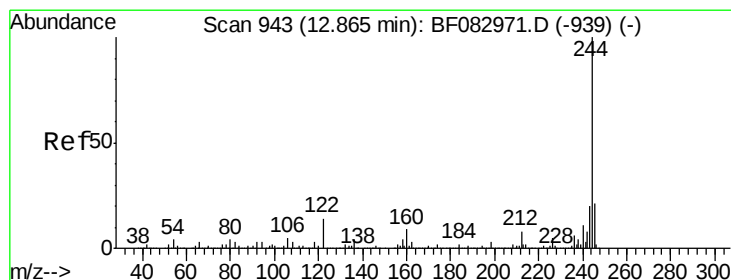
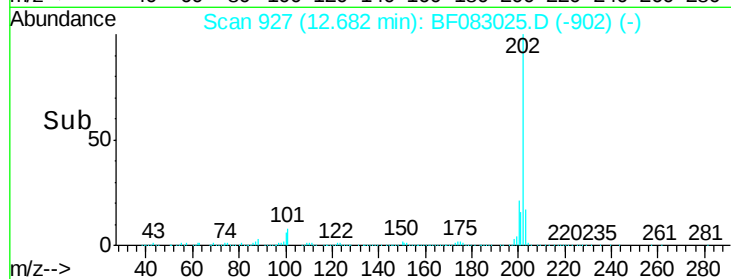
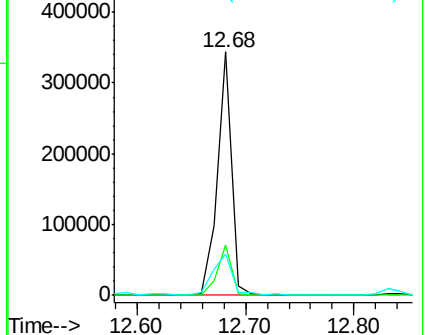
203 17.0 14.8 22.2



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: 17.97 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

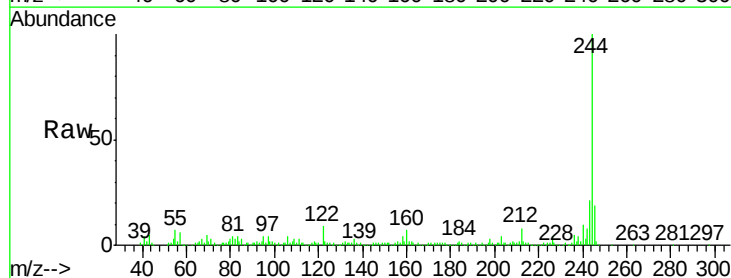
Tgt Ion:244 Resp: 181966

Ion Ratio Lower Upper

244 100

212 7.7 7.6 11.4

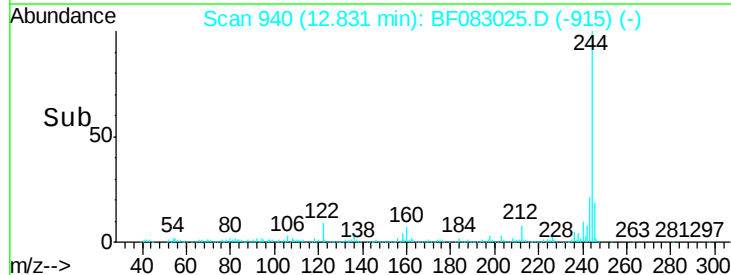
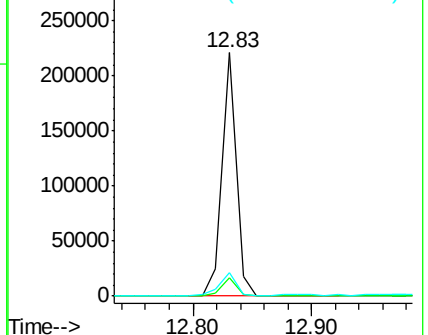
122 9.4 11.3 16.9#

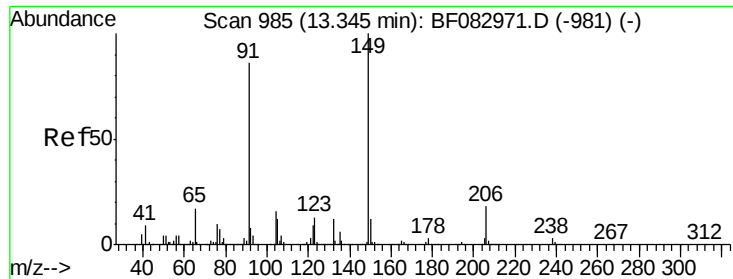


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

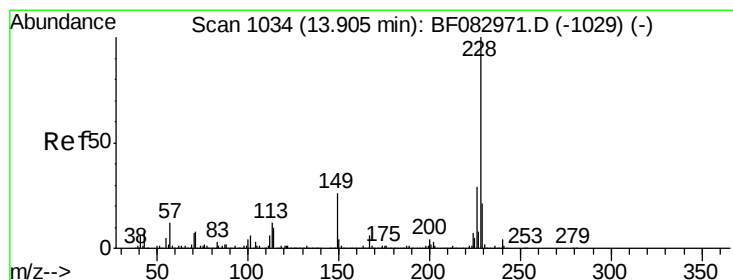
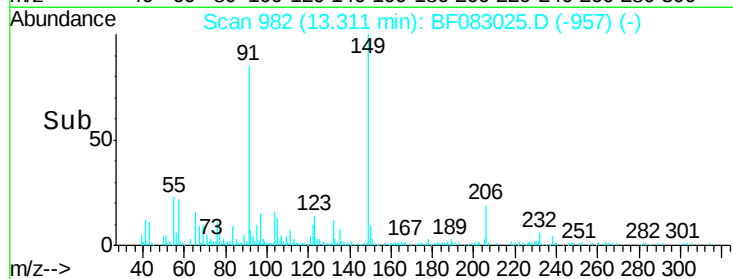
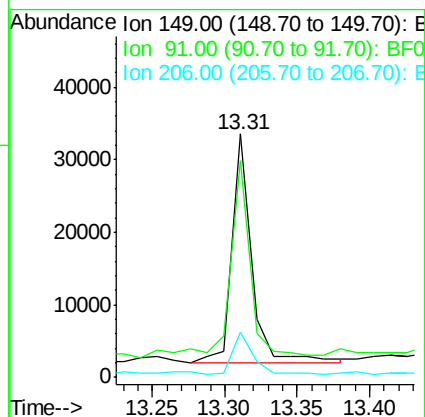
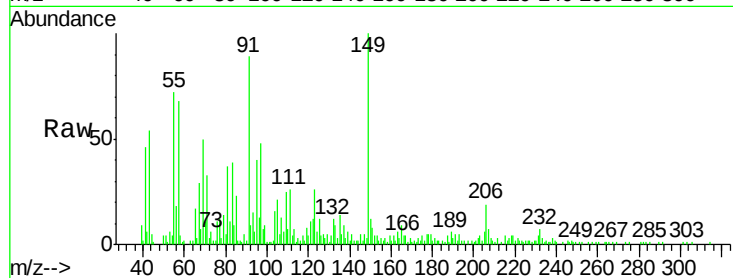




#79
Butylbenzylphthalate
Concen: 4.12 ng
RT: 13.31 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

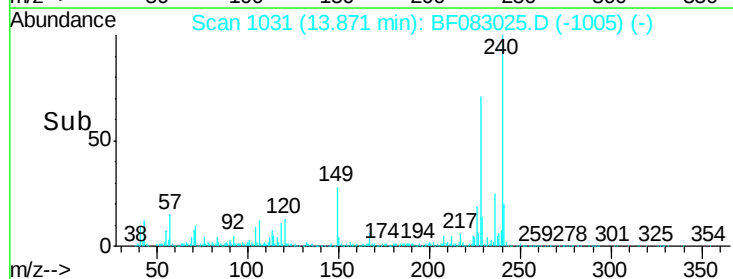
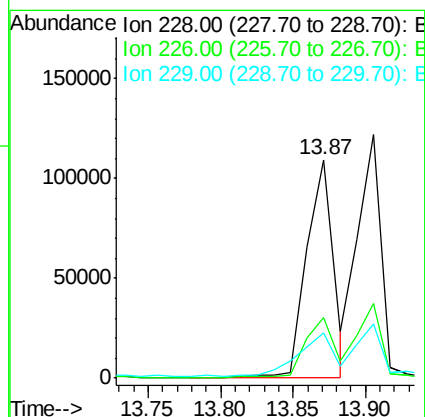
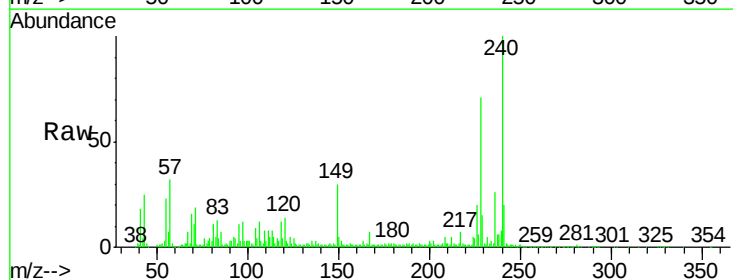
Instrument :
BNA_F
ClientSampleId :
V1S4

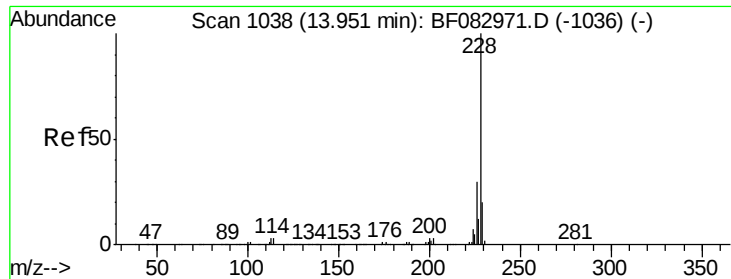
Tot Ion:149 Resp: 30043
Ion Ratio Lower Upper
149 100
91 88.9 67.7 101.5
206 18.8 14.6 22.0



#80
Benzo(a)anthracene
Concen: 9.22 ng
RT: 13.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Tgt Ion:228 Resp: 138509
Ion Ratio Lower Upper
228 100
226 27.6 23.4 35.2
229 20.6 16.3 24.5





#82

Chrysene

Concen: 9.82 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Instrument :

BNA_F

ClientSampleId :

V1S4

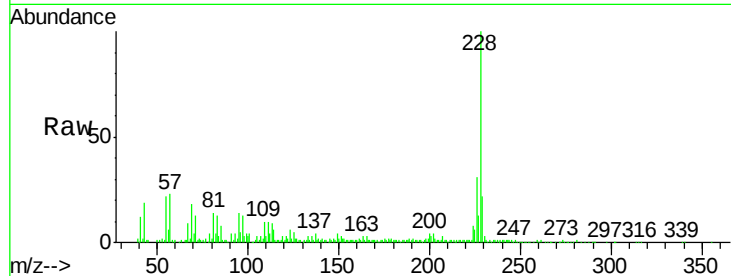
Tot Ion:228 Resp: 135063

Ion Ratio Lower Upper

228 100

226 30.8 25.5 38.3

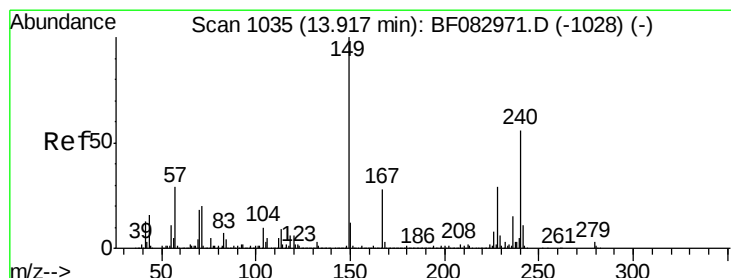
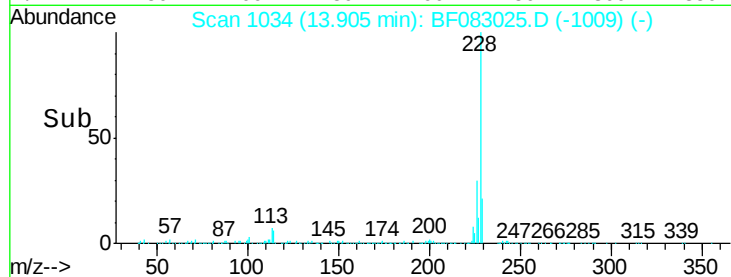
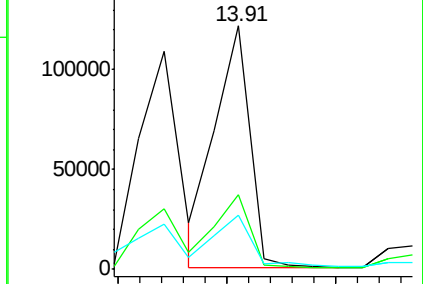
229 22.3 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 25.91 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

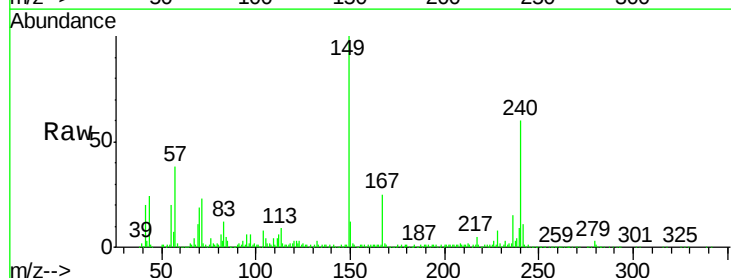
Tgt Ion:149 Resp: 258434

Ion Ratio Lower Upper

149 100

167 25.3 21.2 31.8

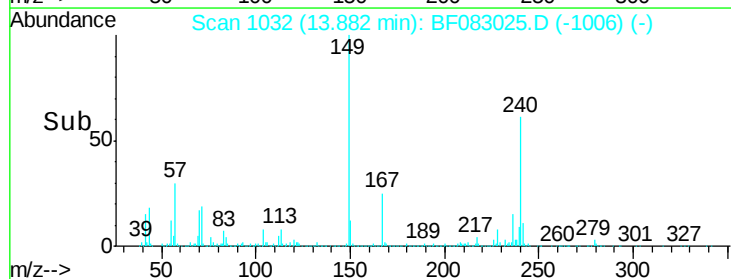
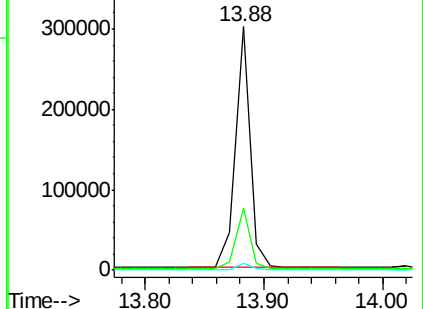
279 2.6 2.2 3.2

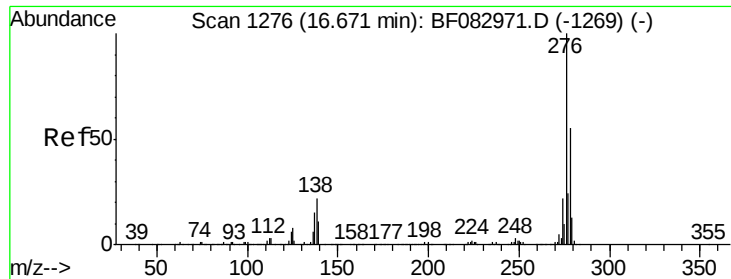


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

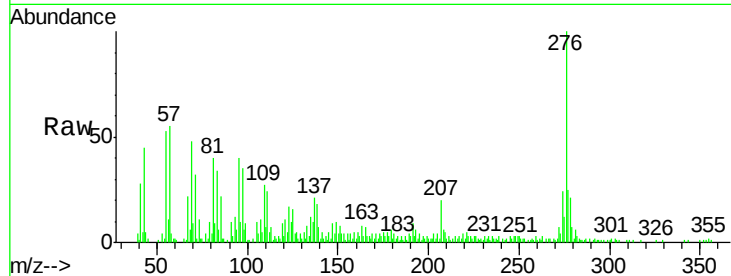




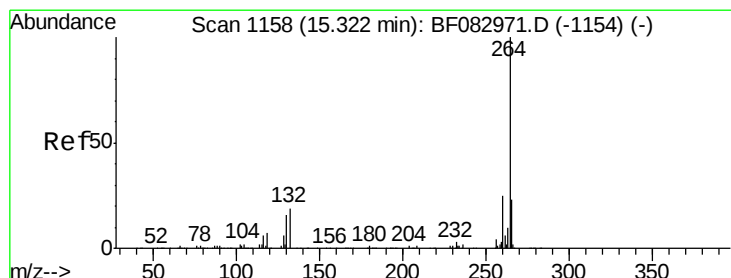
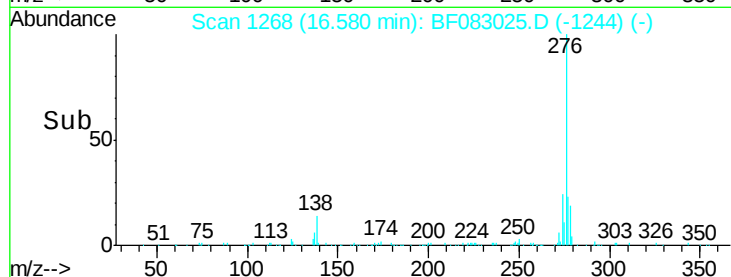
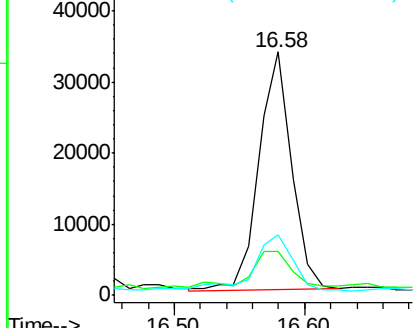
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.96 ng
 RT: 16.58 min Scan# 1268
 Delta R.T. -0.02 min
 Lab File: BF083025.D
 Acq: 18 Nov 2015 23:23

Instrument :
 BNA_F
 ClientSampleId :
 V1S4

Tot Ion:276 Resp: 58820
 Ion Ratio Lower Upper
 276 100
 138 20.1 15.3 22.9
 277 32.0 20.2 30.4#

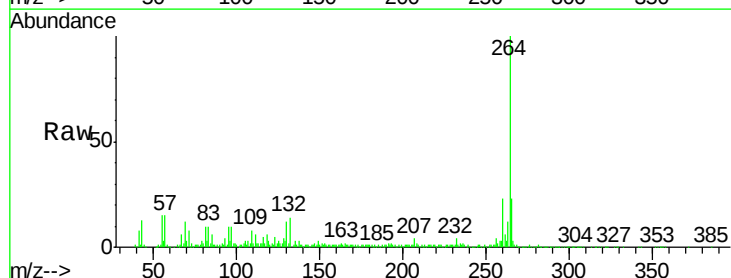


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

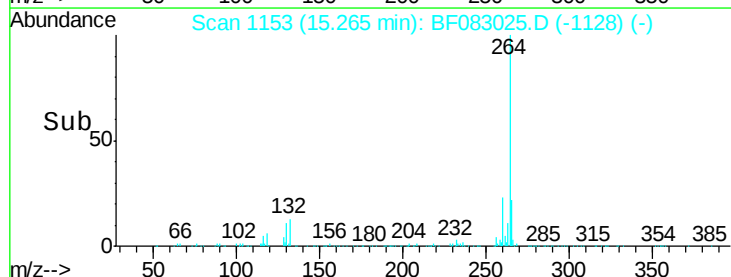
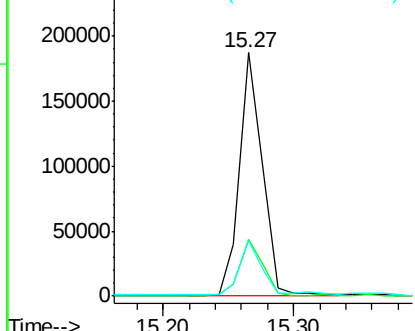


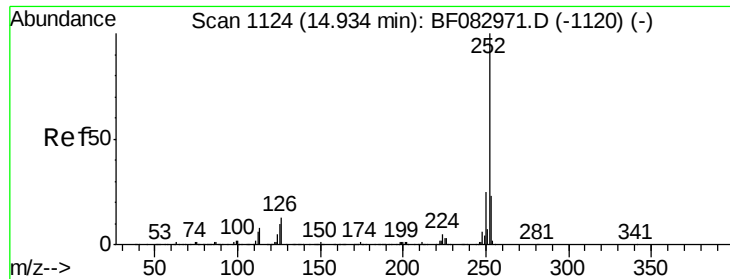
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF083025.D
 Acq: 18 Nov 2015 23:23

Tgt Ion:264 Resp: 225346
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.8 29.6
 265 22.7 17.4 26.0



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: 15.07 ng

RT: 14.88 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Instrument :

BNA_F

ClientSampleId :

V1S4

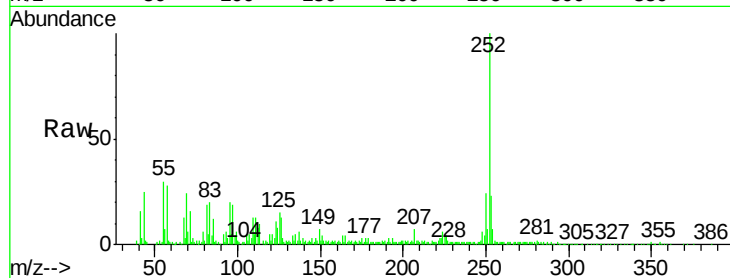
Tot Ion:252 Resp: 218035

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

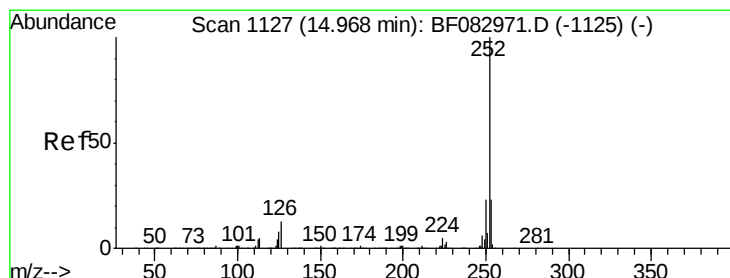
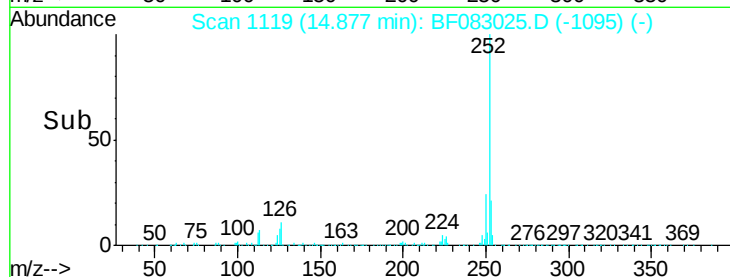
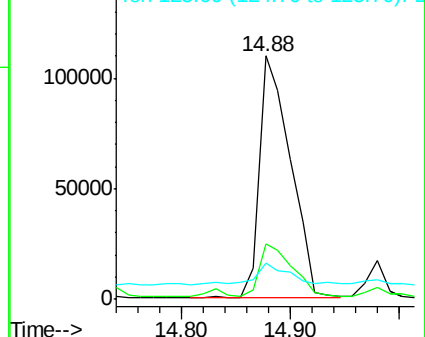
125 15.0 5.4 8.2#



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



#88

Benzo(k)fluoranthene

Concen: 16.96 ng

RT: 14.88 min Scan# 1119

Delta R.T. -0.05 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

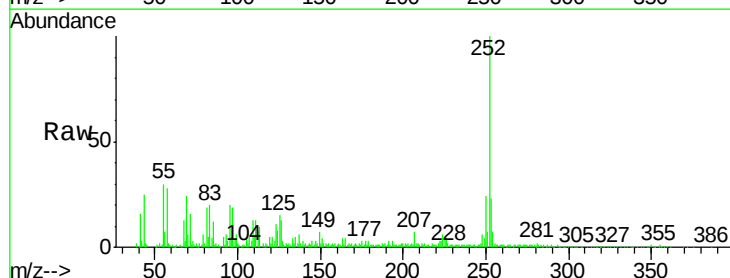
Tgt Ion:252 Resp: 217668

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

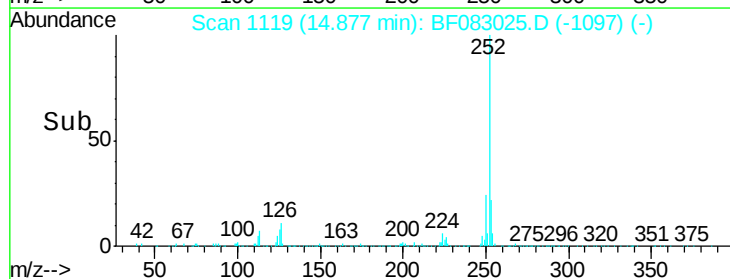
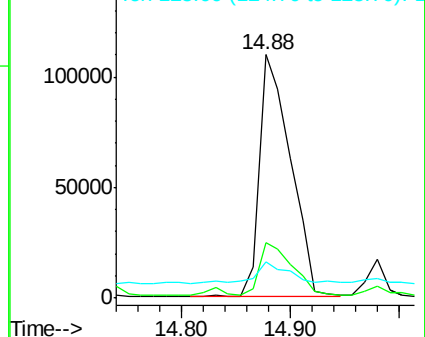
125 15.0 3.5 5.3#

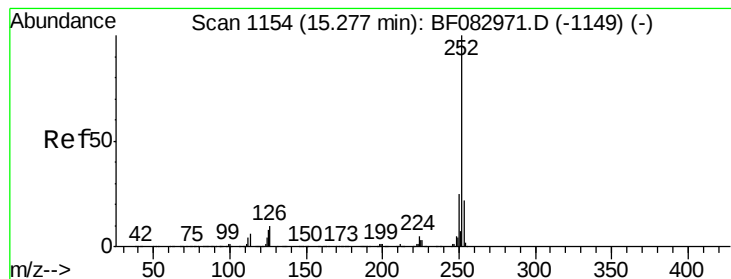


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.20 ng

RT: 15.21 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Instrument :

BNA_F

ClientSampleId :

V1S4

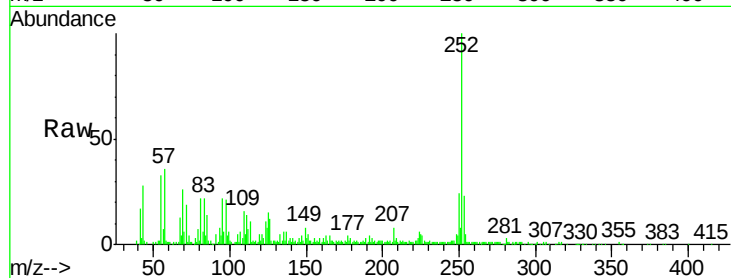
Tot Ion:252 Resp: 102709

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

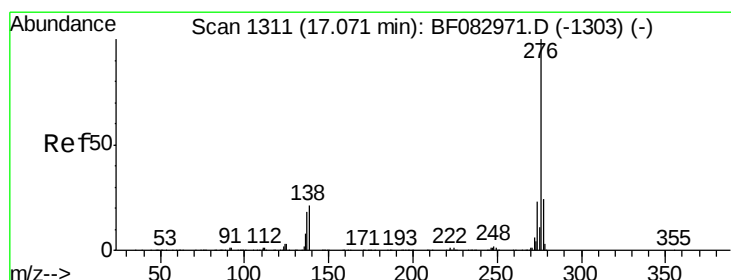
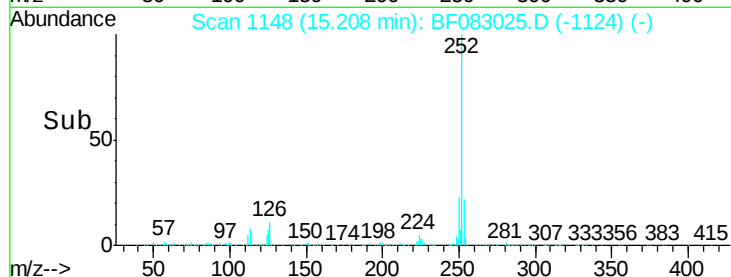
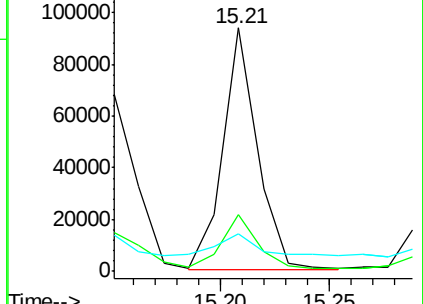
125 15.2 7.1 10.7#



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: 5.86 ng

RT: 16.97 min Scan# 1302

Delta R.T. -0.03 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

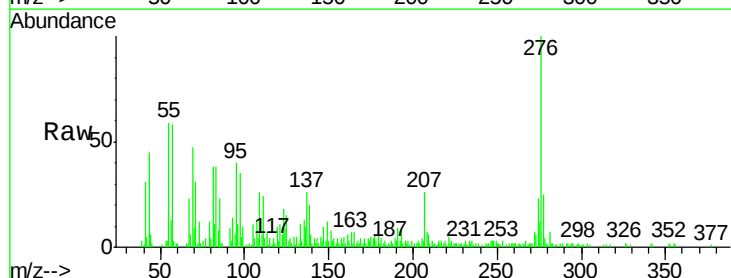
Tgt Ion:276 Resp: 59553

Ion Ratio Lower Upper

276 100

277 25.3 19.2 28.8

138 19.8 13.1 19.7#



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

