

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086935.D
 Acq On : 12 May 2016 17:26
 Operator : UM/SJ
 Sample : H2968-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FT

Quant Time: May 13 00:48:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

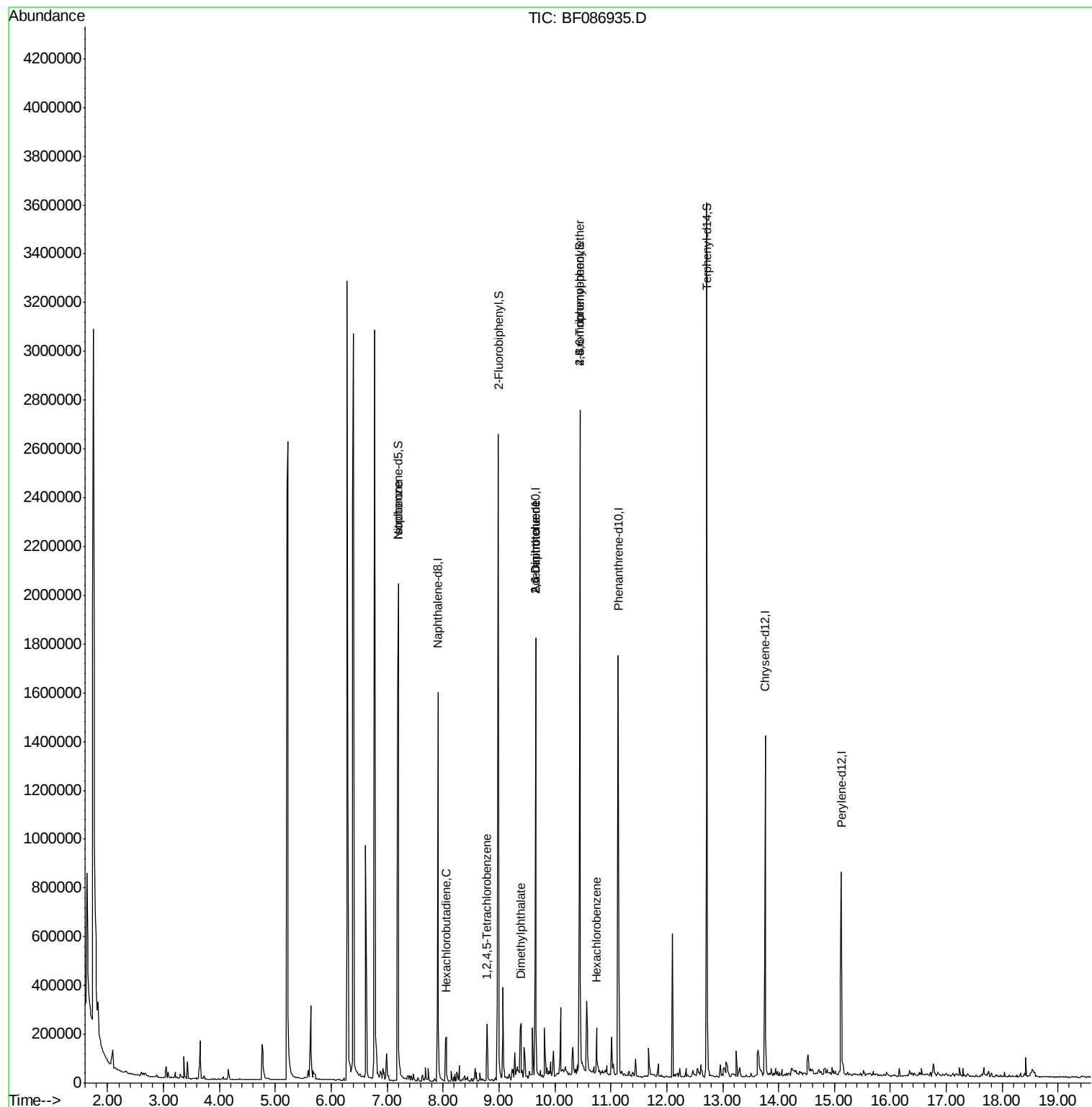
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.69
21) Naphthalene-d8	7.91	136	680861	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	342962	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	605756	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	477875	20.00	ng	-0.08
86) Perylene-d12	15.12	264	345325	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	976626	0.00	ng	-0.07
7) Phenol-d6	6.28	99	1180311	0.00	ng	-0.08
23) Nitrobenzene-d5	7.20	82	882073	65.05	ng	-0.07
41) 2,4,6-Tribromophenol	10.44	330	298486	82.21	ng	-0.08
44) 2-Fluorobiphenyl	8.99	172	1266085	62.04	ng	-0.07
78) Terphenyl-d14	12.72	244	1022618	45.40	ng	-0.08
Target Compounds						
25) Isophorone	7.20	82	853662	33.93	ng	# 68
34) Hexachlorobutadiene	8.06	225	29089	4.88	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.79	216	38634	3.87	ng	96
49) Dimethylphthalate	9.39	163	108331	4.14	ng	97
50) 2,6-Dinitrotoluene	9.66	165	44520	8.08	ng	# 21
56) 2,4-Dinitrotoluene	9.66	165	44517	6.53	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	18402	3.00	ng	# 1
67) Hexachlorobenzene	10.74	284	23969	3.34	ng	# 67

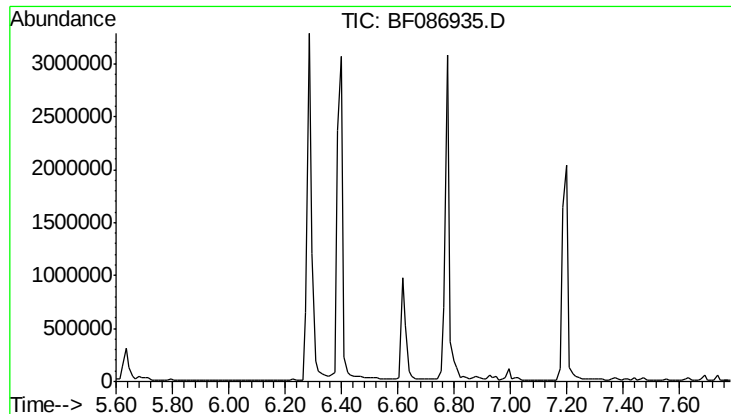
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 6.69 min

Lab File: BF086935.D

Acq: 12 May 2016 17:26

Instrument :

BNA_F

ClientSampleId :

TP40-4FT

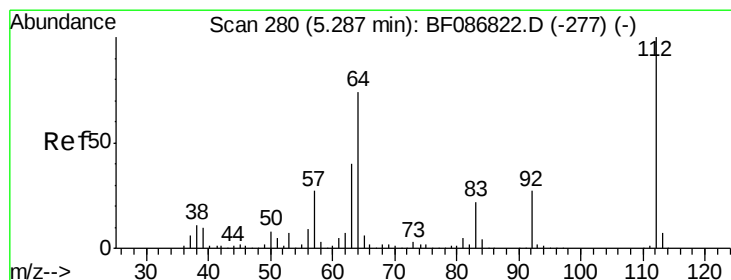
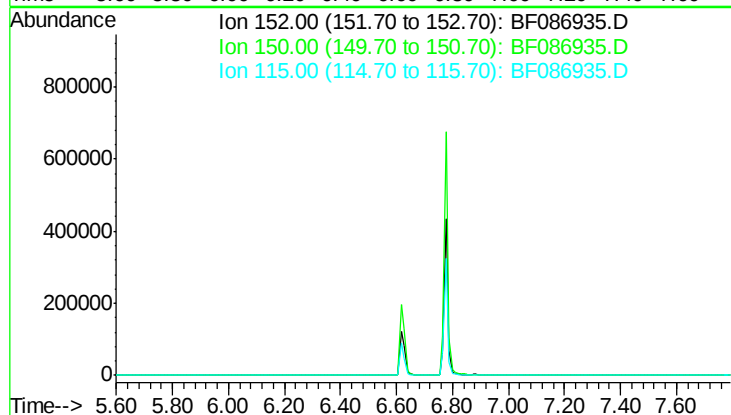
Tgt Ion: 152

Sig Exp Ratio

152 100

150 157.2

115 64.4



#5

2-Fluorophenol

Concen: 0.00 ng

RT: 5.22 min Scan# 318

Delta R.T. -0.07 min

Lab File: BF086935.D

Acq: 12 May 2016 17:26

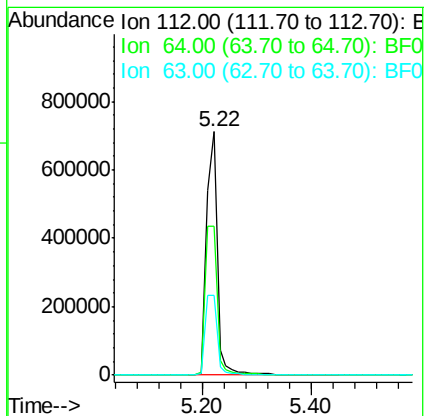
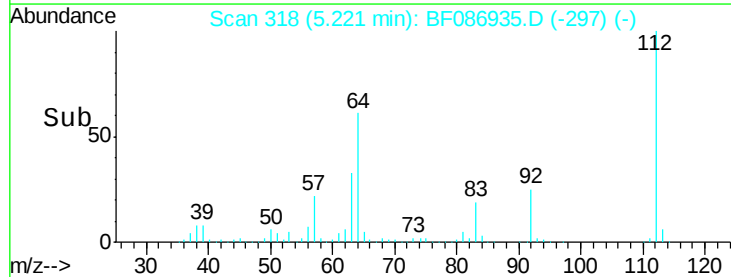
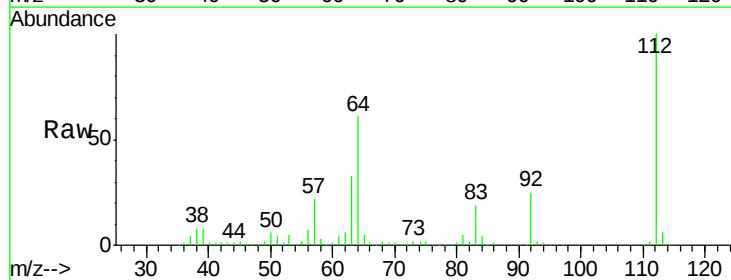
Tgt Ion:112 Resp: 976626

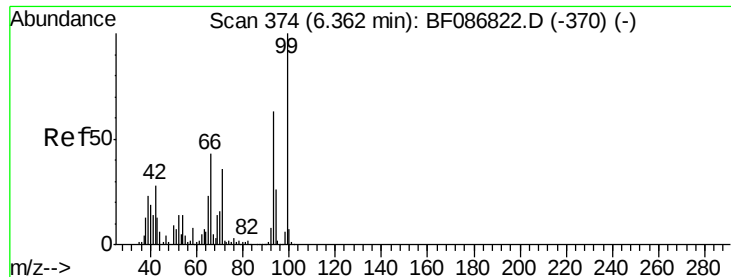
Ion Ratio Lower Upper

112 100

64 60.9 52.1 78.1

63 32.7 25.7 38.5





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF086935.D

Acq: 12 May 2016 17:26

Instrument :

BNA_F

ClientSampleId :

TP40-4FT

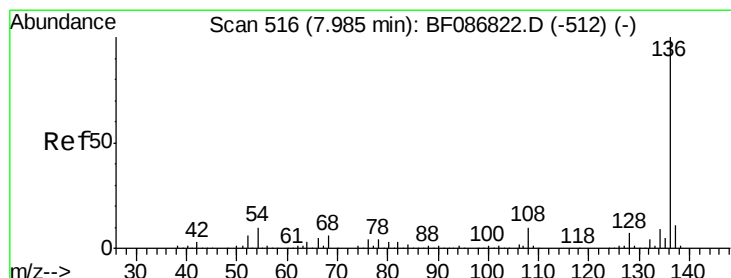
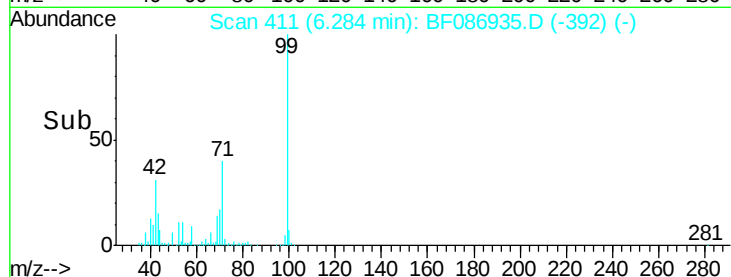
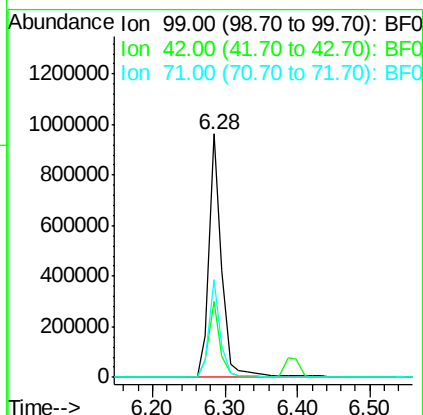
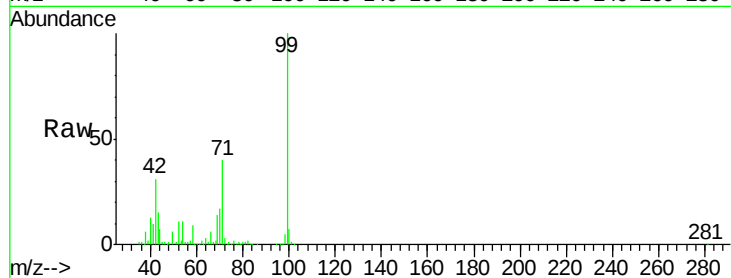
Tgt Ion: 99 Resp: 1180311

Ion Ratio Lower Upper

99 100

42 31.4 13.6 20.4#

71 40.0 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF086935.D

Acq: 12 May 2016 17:26

Tgt Ion: 136 Resp: 680861

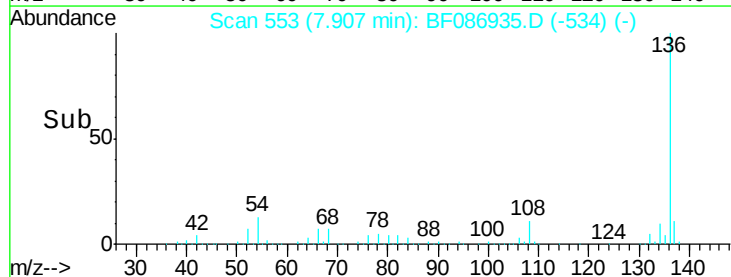
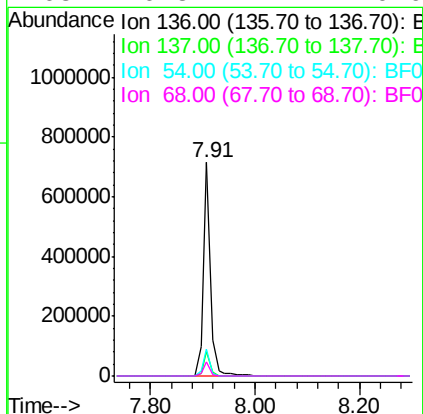
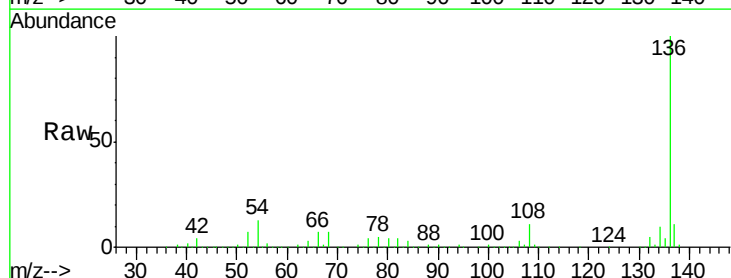
Ion Ratio Lower Upper

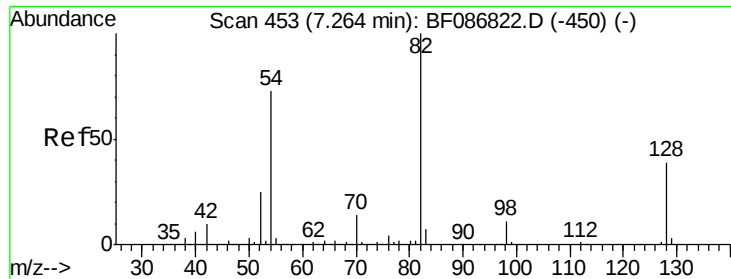
136 100

137 11.3 8.8 13.2

54 12.6 5.0 7.4#

68 6.8 4.4 6.6#

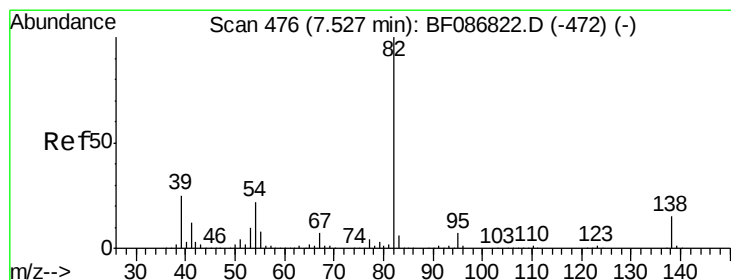
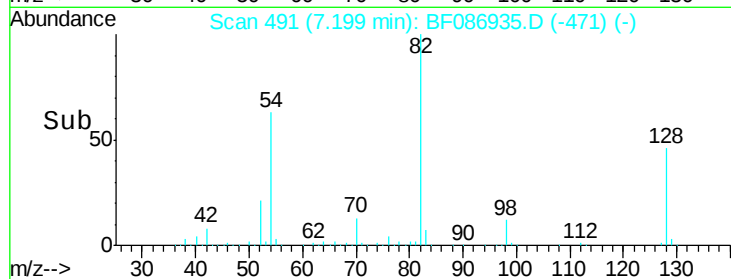
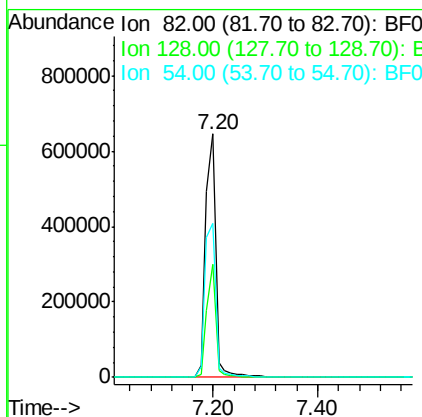
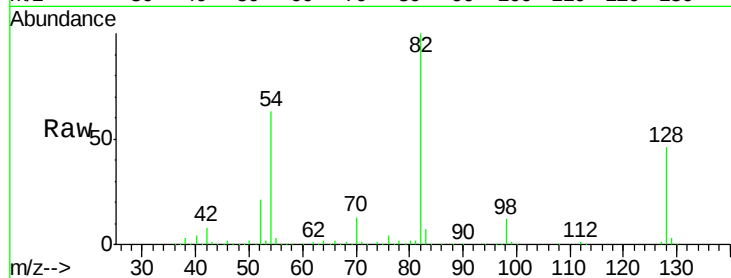




#23
 Nitrobenzene-d5
 Concen: 65.05 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.07 min
 Lab File: BF086935.D
 Acq: 12 May 2016 17:26

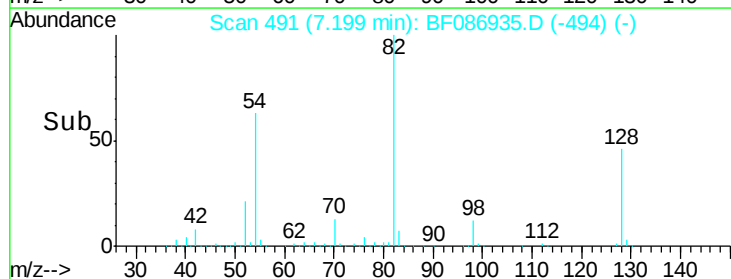
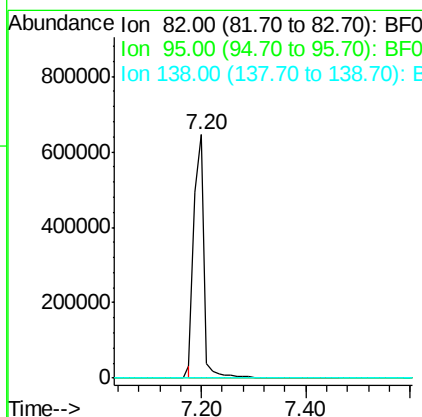
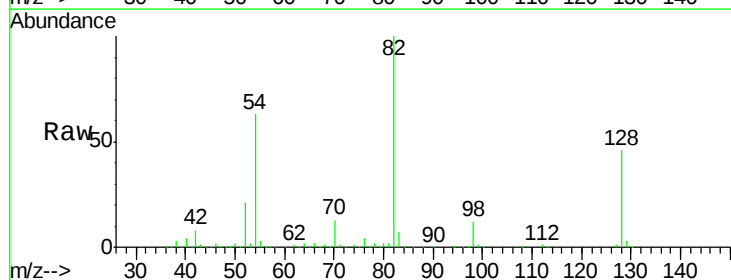
Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FT

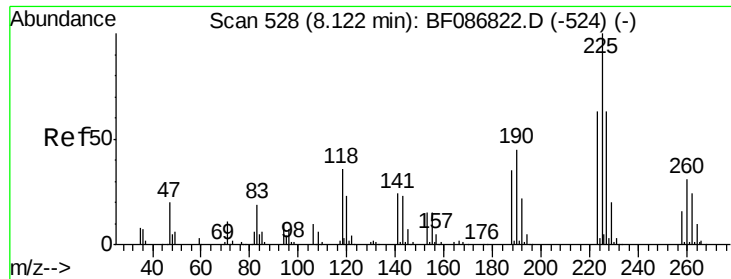
Tgt Ion:	82	Resp:	882073
Ion	Ratio	Lower	Upper
82	100		
128	46.3	40.6	61.0
54	63.2	38.1	57.1#



#25
 Isophorone
 Concen: 33.93 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.33 min
 Lab File: BF086935.D
 Acq: 12 May 2016 17:26

Tgt Ion:	82	Resp:	853662
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#

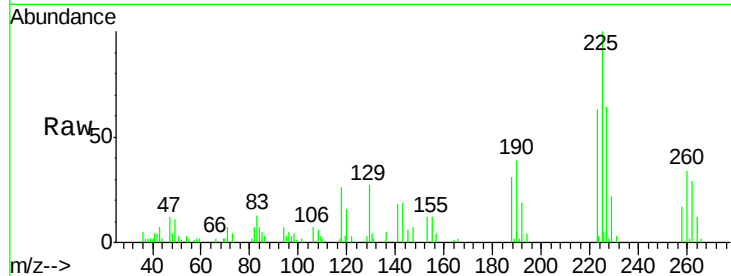




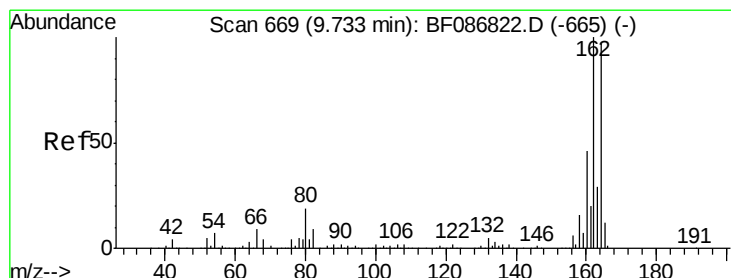
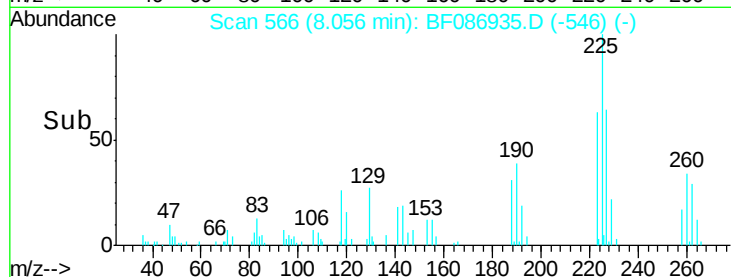
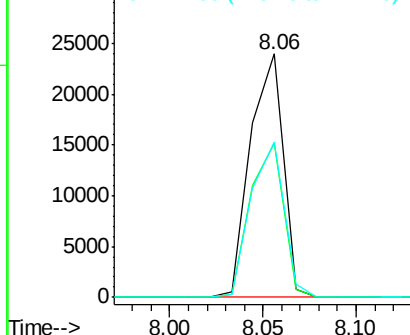
#34
Hexachlorobutadiene
Concen: 4.88 ng
RT: 8.06 min Scan# 566
Delta R.T. -0.07 min
Lab File: BF086935.D
Acq: 12 May 2016 17:26

Instrument :
BNA_F
ClientSampleId :
TP40-4FT

Tgt Ion: 225 Resp: 29089
Ion Ratio Lower Upper
225 100
223 63.2 51.5 77.3
227 63.8 52.2 78.2

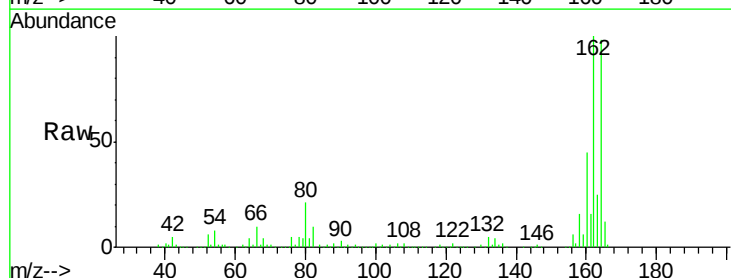


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

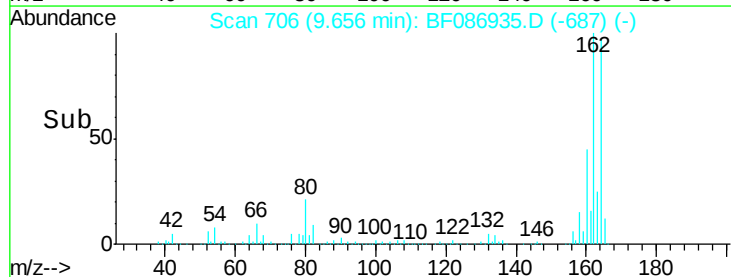
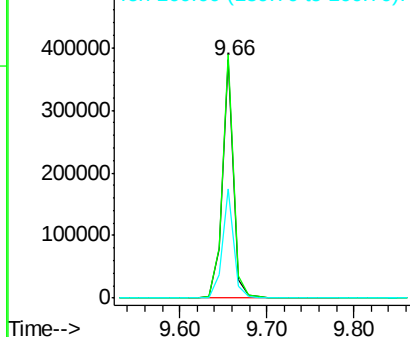


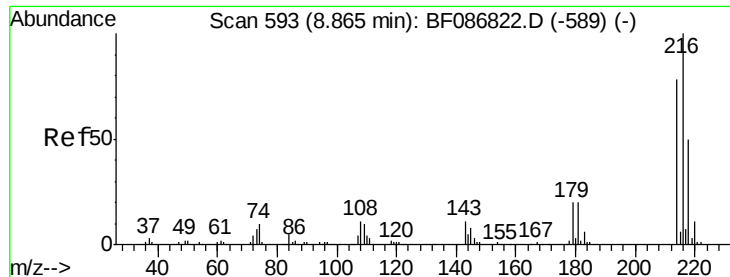
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.08 min
Lab File: BF086935.D
Acq: 12 May 2016 17:26

Tgt Ion: 164 Resp: 342962
Ion Ratio Lower Upper
164 100
162 102.3 82.8 124.2
160 46.1 36.9 55.3



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

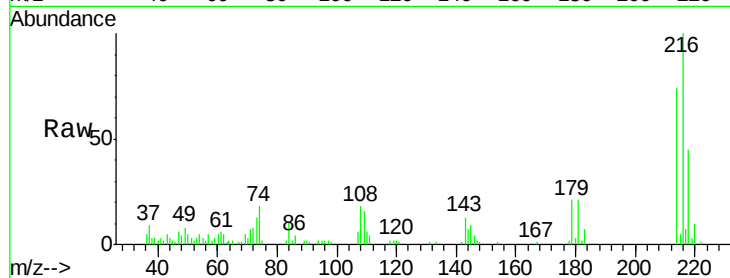




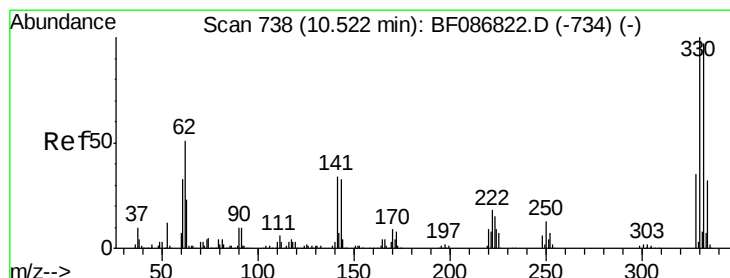
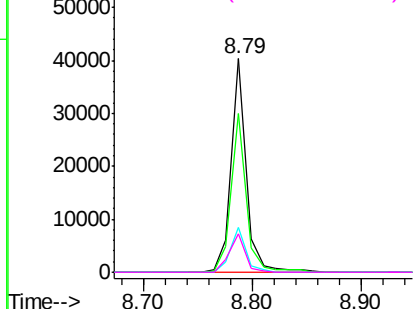
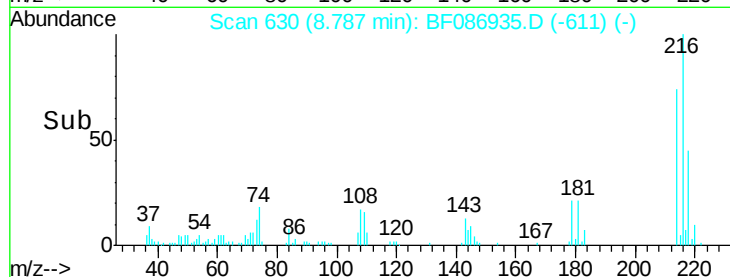
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.87 ng
 RT: 8.79 min Scan# 630
 Delta R.T. -0.08 min
 Lab File: BF086935.D
 Acq: 12 May 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FT

Tgt Ion:	216	Resp:	38634
Ion	Ratio	Lower	Upper
216	100		
214	75.0	62.6	93.8
179	21.3	18.2	27.4
108	19.3	17.5	26.3

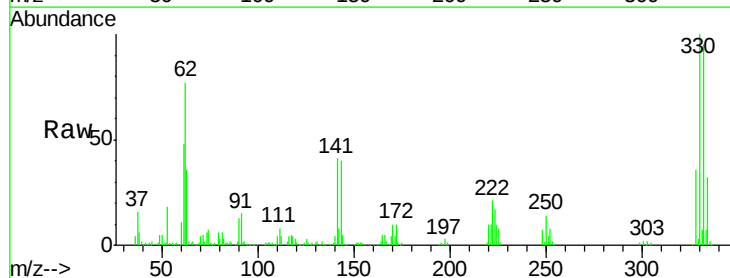


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

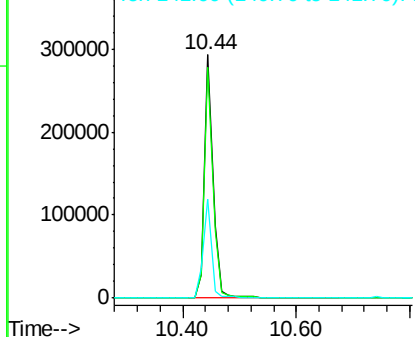
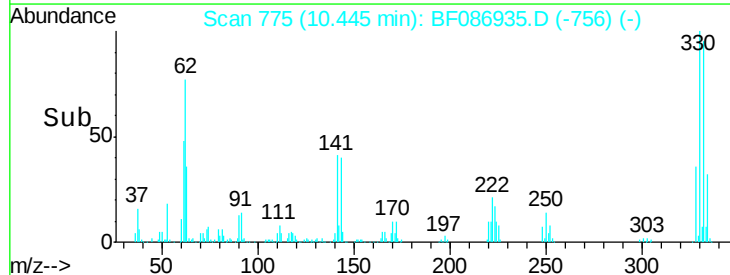


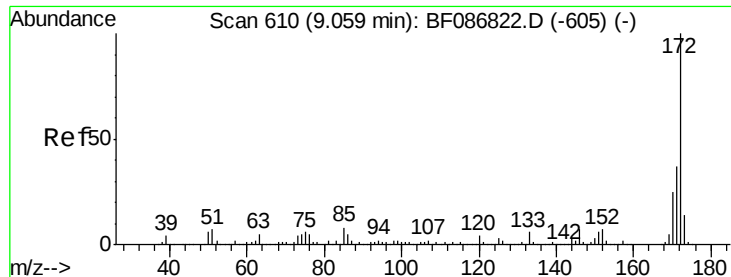
#41
 2,4,6-Tribromophenol
 Concen: 82.21 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF086935.D
 Acq: 12 May 2016 17:26

Tgt Ion:	330	Resp:	298486
Ion	Ratio	Lower	Upper
330	100		
332	94.1	79.0	118.4
141	39.8	31.2	46.8



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

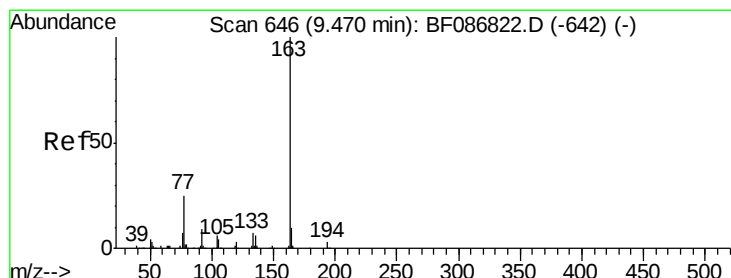
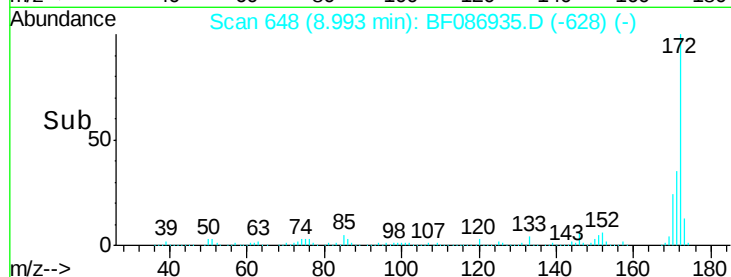
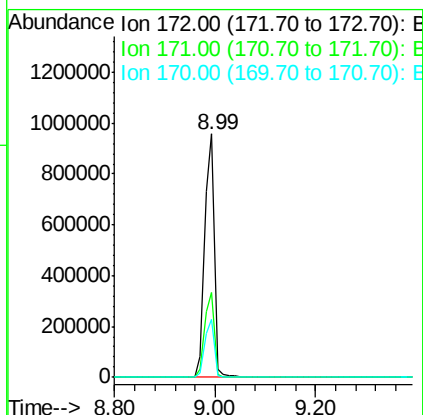
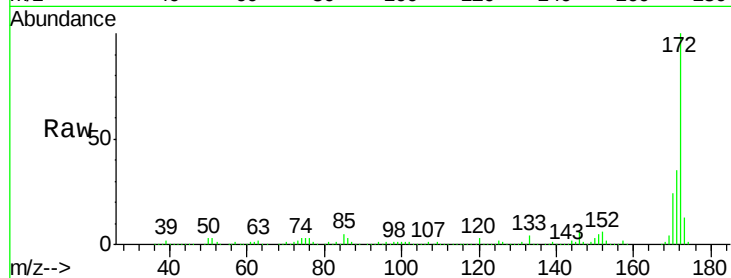




#44
 2-Fluorobiphenyl
 Concen: 62.04 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.07 min
 Lab File: BF086935.D
 Acq: 12 May 2016 17:26

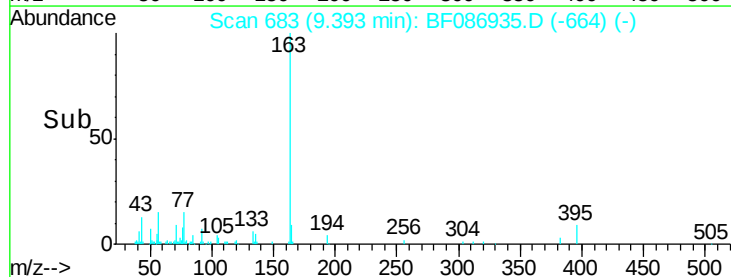
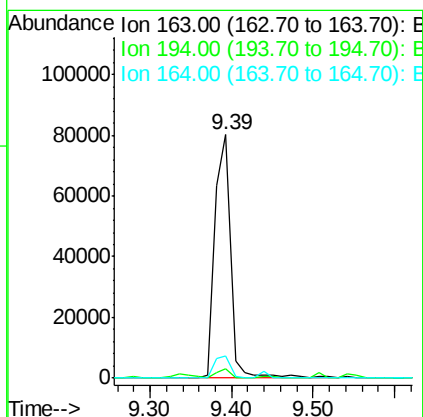
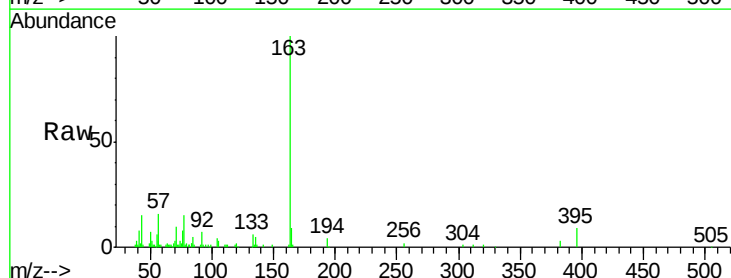
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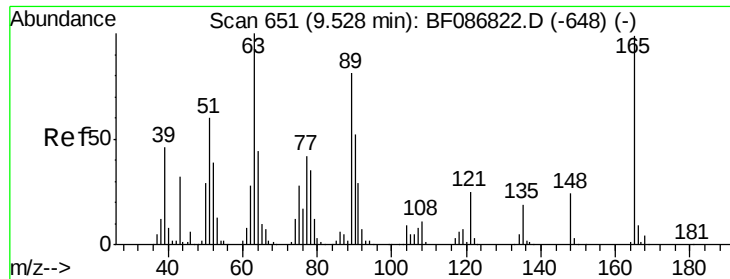
Tgt Ion:172 Resp: 1266085
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.0 43.6
 170 23.6 19.8 29.8



#49
 Dimethylphthalate
 Concen: 4.14 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.08 min
 Lab File: BF086935.D
 Acq: 12 May 2016 17:26

Tgt Ion:163 Resp: 108331
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.6 4.0
 164 8.8 8.2 12.4

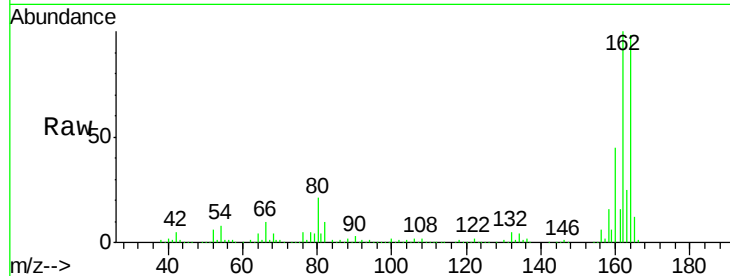




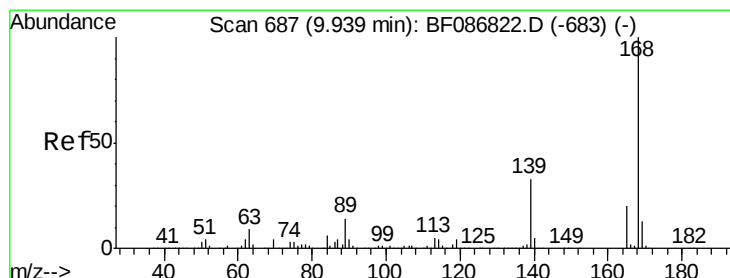
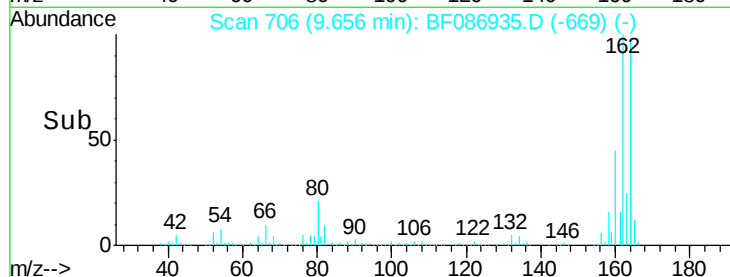
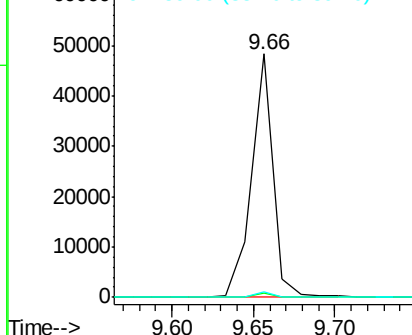
#50
2,6-Dinitrotoluene
Concen: 8.08 ng
RT: 9.66 min Scan# 706
Delta R.T. 0.13 min
Lab File: BF086935.D
Acq: 12 May 2016 17:26

Instrument :
BNA_F
ClientSampleId :
TP40-4FT

Tgt Ion:165 Resp: 44520
Ion Ratio Lower Upper
165 100
63 1.9 51.8 77.8#
89 2.1 50.7 76.1#

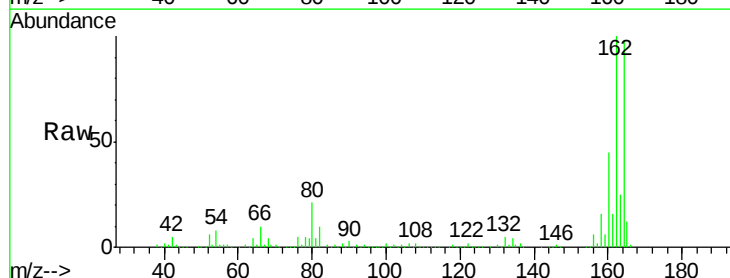


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

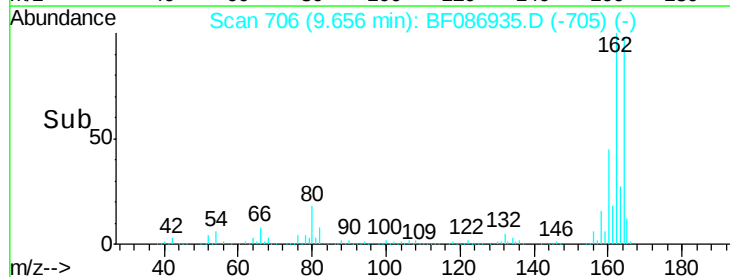
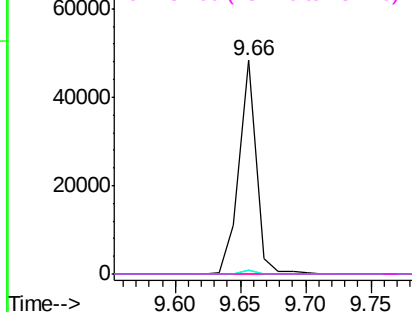


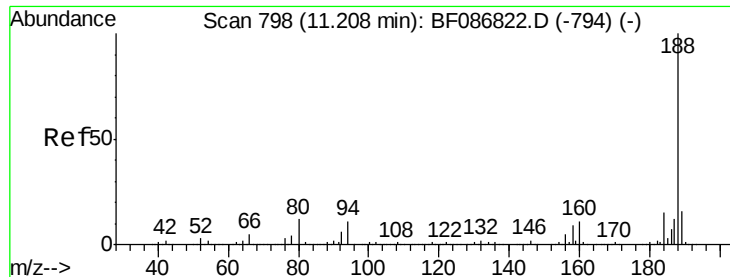
#56
2,4-Dinitrotoluene
Concen: 6.53 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.28 min
Lab File: BF086935.D
Acq: 12 May 2016 17:26

Tgt Ion:165 Resp: 44517
Ion Ratio Lower Upper
165 100
63 1.9 44.3 66.5#
89 2.1 70.0 105.0#
182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

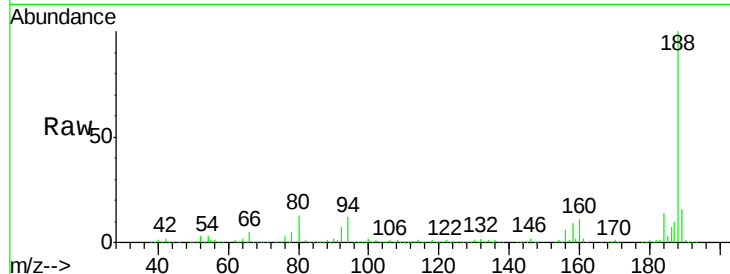




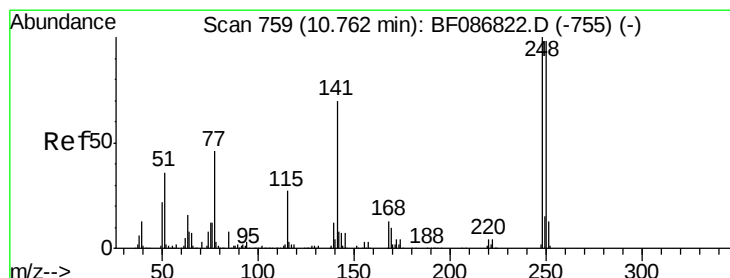
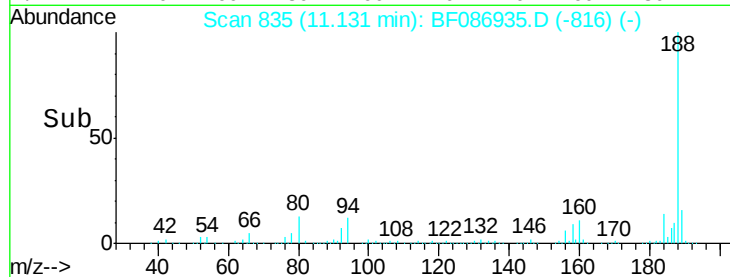
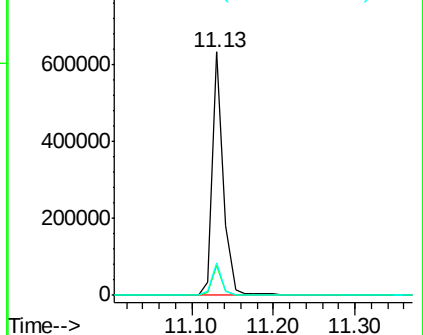
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.08 min
 Lab File: BF086935.D
 Acq: 12 May 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FT

Tgt Ion:188 Resp: 605756
 Ion Ratio Lower Upper
 188 100
 94 12.1 6.8 10.2#
 80 13.1 7.1 10.7#

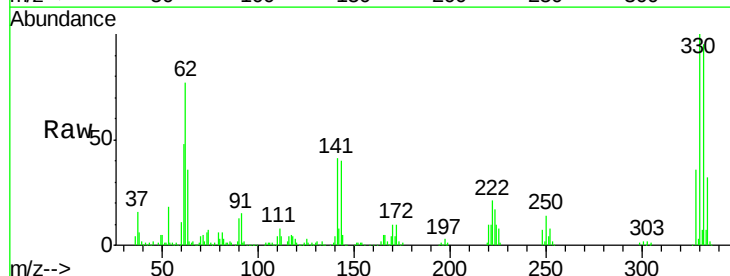


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

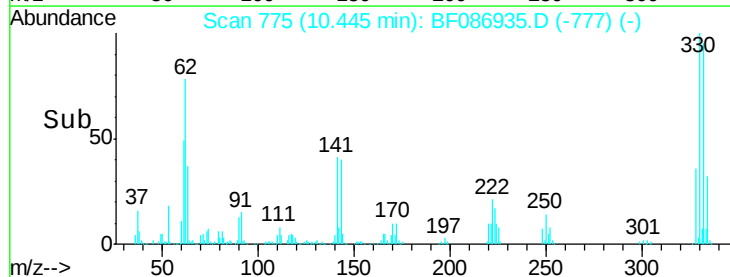
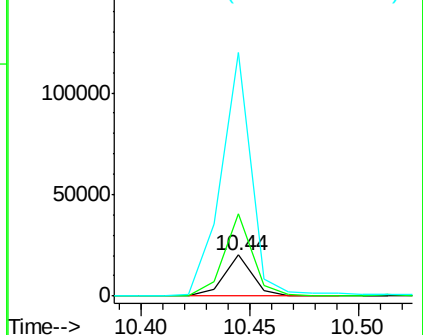


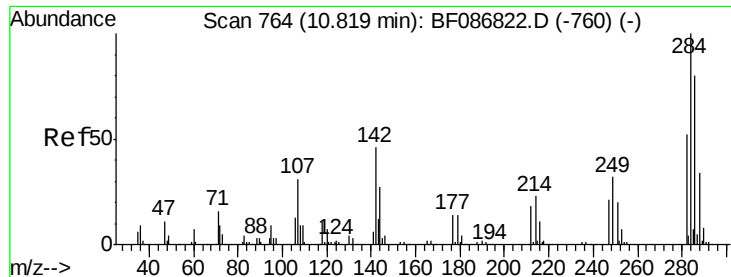
#66
 4-Bromophenyl-phenylether
 Concen: 3.00 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.32 min
 Lab File: BF086935.D
 Acq: 12 May 2016 17:26

Tgt Ion:248 Resp: 18402
 Ion Ratio Lower Upper
 248 100
 250 199.8 78.6 117.8#
 141 594.9 76.0 114.0#



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

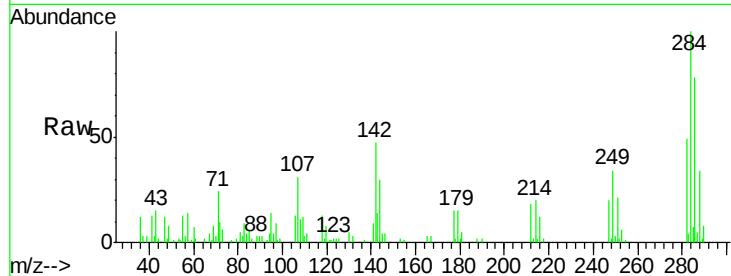




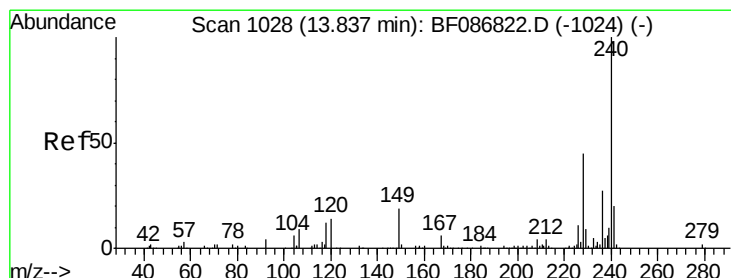
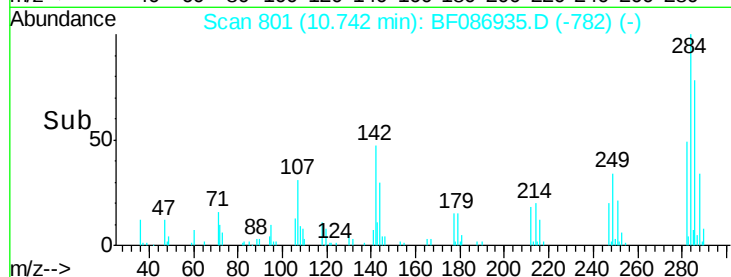
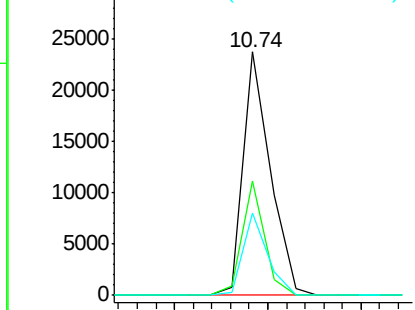
#67
Hexachlorobenzene
Concen: 3.34 ng
RT: 10.74 min Scan# 801
Delta R.T. -0.08 min
Lab File: BF086935.D
Acq: 12 May 2016 17:26

Instrument :
BNA_F
ClientSampleId :
TP40-4FT

Tgt Ion:284 Resp: 23969
Ion Ratio Lower Upper
284 100
142 47.2 16.7 25.1#
249 34.0 21.3 31.9#

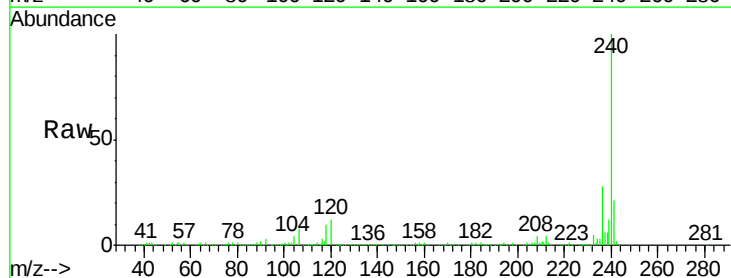


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

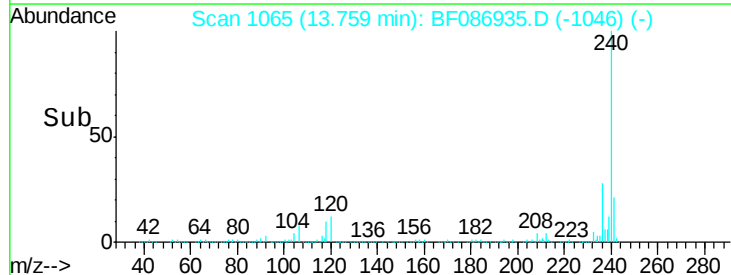
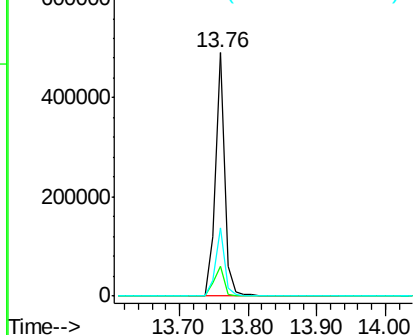


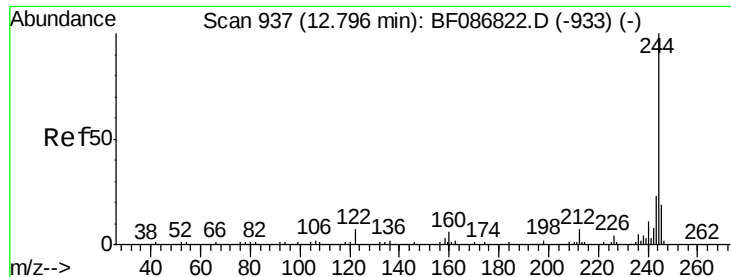
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.08 min
Lab File: BF086935.D
Acq: 12 May 2016 17:26

Tgt Ion:240 Resp: 477875
Ion Ratio Lower Upper
240 100
120 12.0 11.2 16.8
236 28.2 21.2 31.8



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

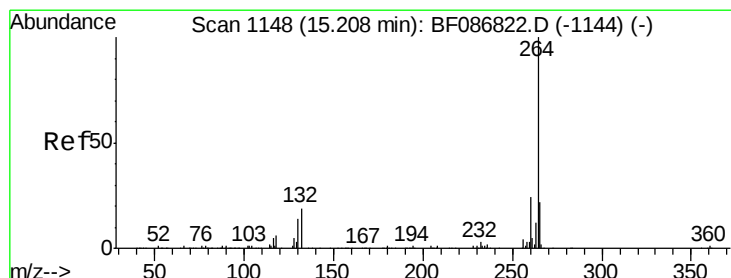
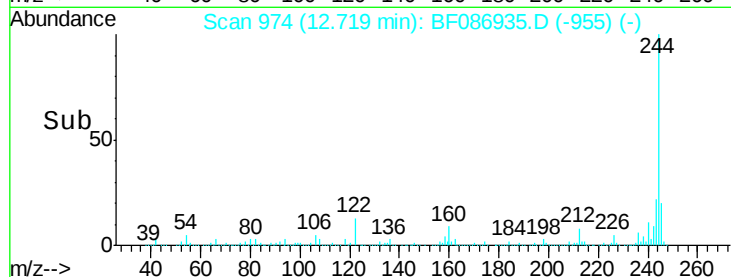
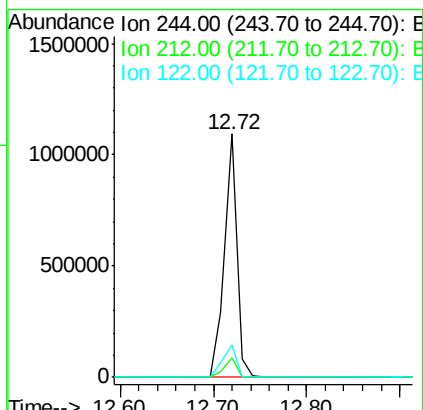
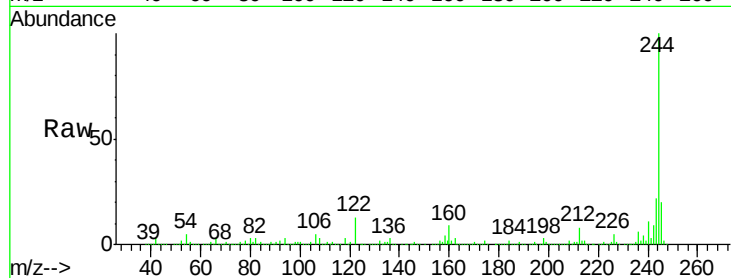




#78
 Terphenyl-d14
 Concen: 45.40 ng
 RT: 12.72 min Scan# 974
 Delta R.T. -0.08 min
 Lab File: BF086935.D
 Acq: 12 May 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 TP40-4FT

Tgt Ion:244 Resp: 1022618
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.2 9.2
 122 13.2 12.0 18.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1184
 Delta R.T. -0.09 min
 Lab File: BF086935.D
 Acq: 12 May 2016 17:26

Tgt Ion:264 Resp: 345325
 Ion Ratio Lower Upper
 264 100
 260 26.3 19.5 29.3
 265 23.0 17.3 25.9

