

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089875.D
 Acq On : 24 Aug 2016 15:35
 Operator : UM/SJ
 Sample : H4551-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-6

Quant Time: Aug 25 12:17:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	426783	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1768061	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	794676	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1351991	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	1140943	20.00	ng	-0.01
86) Perylene-d12	15.38	264	959022	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	2732735	109.81	ng	-0.01
7) Phenol-d6	6.31	99	3673879	120.26	ng	-0.01
23) Nitrobenzene-d5	7.23	82	2078578	73.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	743393	98.43	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	3880484	85.82	ng	-0.01
78) Terphenyl-d14	12.78	244	2765975	54.84	ng	-0.01

Target Compounds

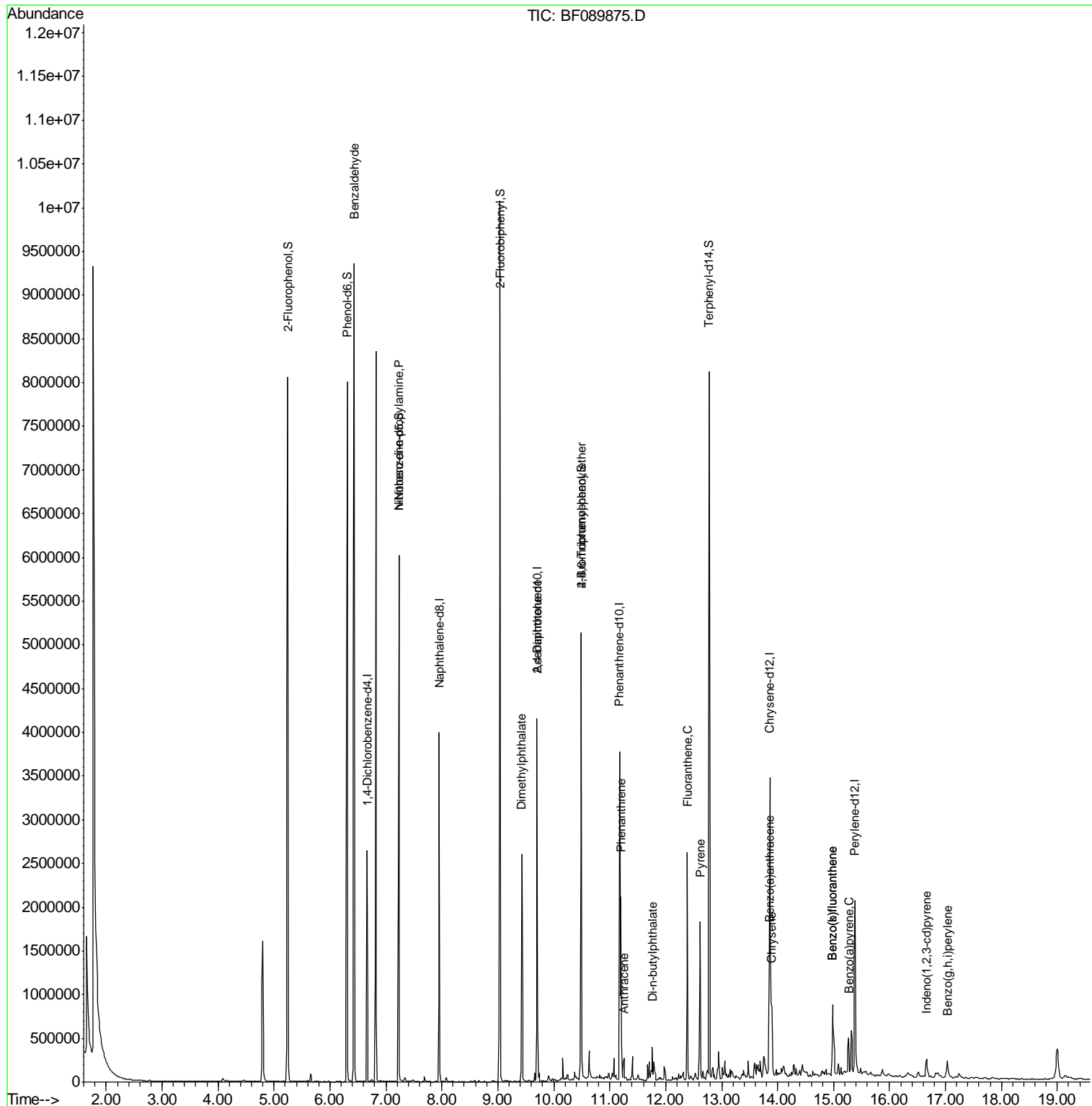
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	65410	3.29	ng	88
19) n-Nitroso-di-n-propylamine	7.23	70	282653	14.47	ng	# 73
49) Dimethylphthalate	9.43	163	1144567	20.46	ng	99
56) 2,4-Dinitrotoluene	9.70	165	103579	6.18	ng	# 35
66) 4-Bromophenyl-phenylether	10.49	248	47233	3.33	ng	# 1
70) Phenanthrene	11.20	178	755972	11.07	ng	99
71) Anthracene	11.26	178	140512	2.02	ng	97
73) Di-n-butylphthalate	11.76	149	172182	2.21	ng	98
74) Fluoranthene	12.39	202	1133249	17.45	ng	98
77) Pyrene	12.62	202	950402	10.23	ng	98
80) Benzo(a)anthracene	13.85	228	485001	7.42	ng	99
82) Chrysene	13.90	228	406608	7.26	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	164720	2.30	ng	93
87) Benzo(b)fluoranthene	14.98	252	615703	11.67	ng	98
88) Benzo(k)fluoranthene	14.98	252	615703	12.86	ng	98
89) Benzo(a)pyrene	15.27	252	214459	4.29	ng	97
91) Benzo(g,h,i)perylene	17.04	276	155346	2.72	ng	94

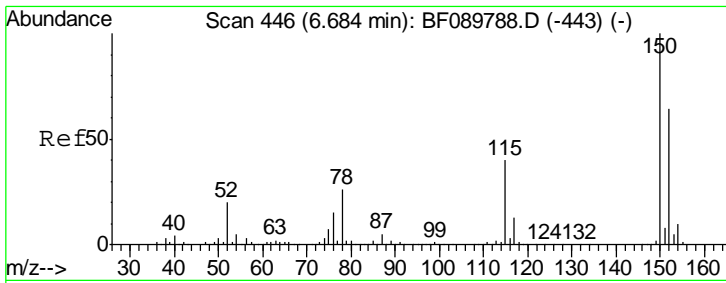
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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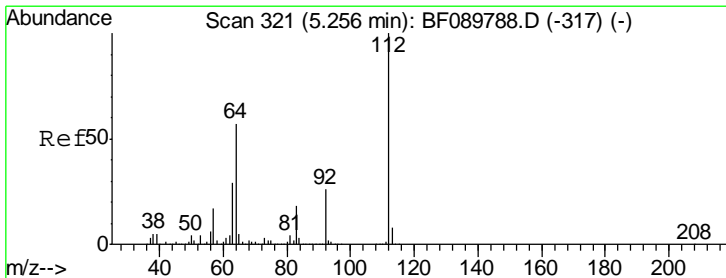
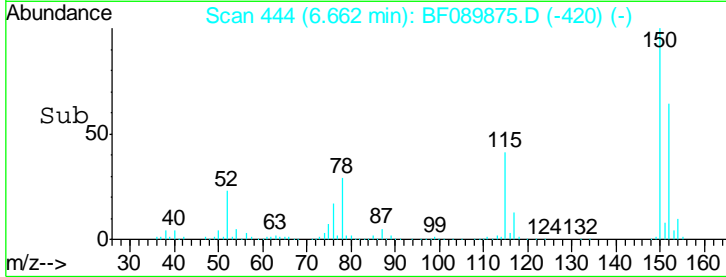
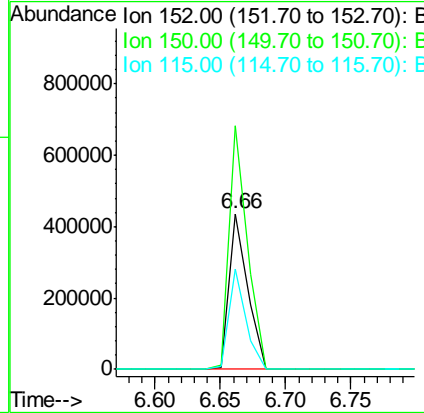
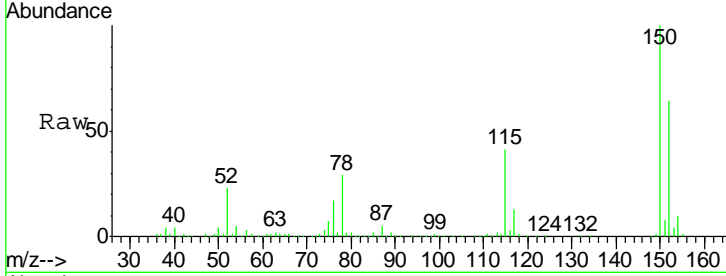




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.66 min Scan# 444
 Delta R.T. -0.02 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

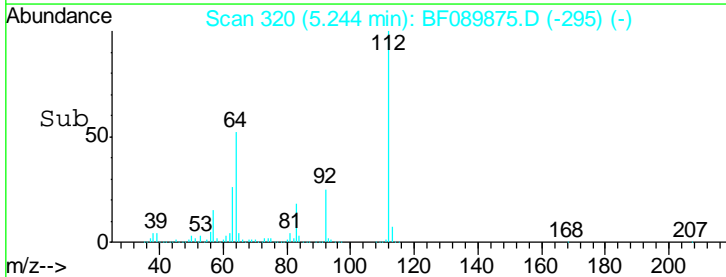
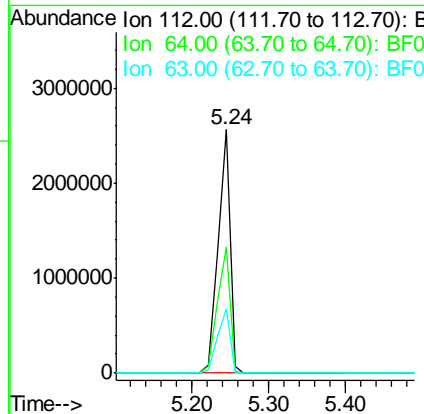
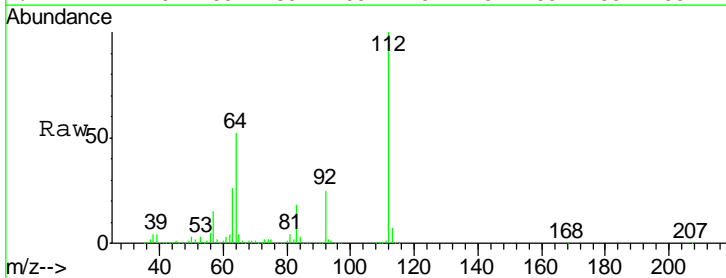
Instrument :
 BNA_F
 ClientSampled :
 AST-6

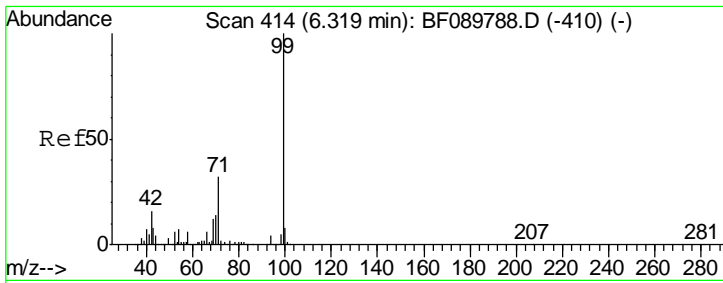
Tgt Ion	Resp	Lower	Upper
152	426783		
150	156.8	125.3	187.9
115	64.7	40.9	61.3



#5
 2-Fluorophenol
 Concen: 109.81 ng
 RT: 5.24 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Resp	Lower	Upper
112	2732735		
64	51.5	45.0	67.4
63	26.4	23.1	34.7



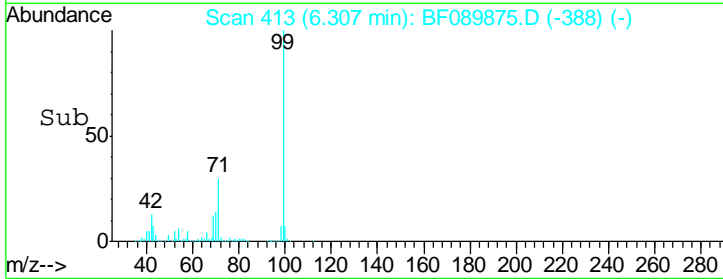
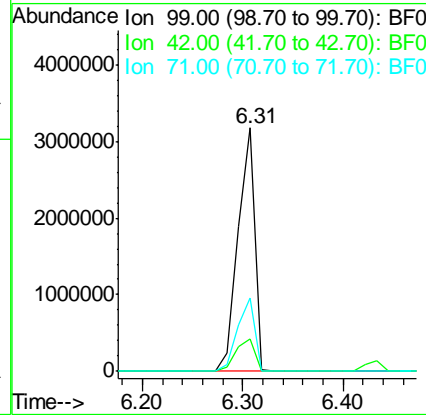
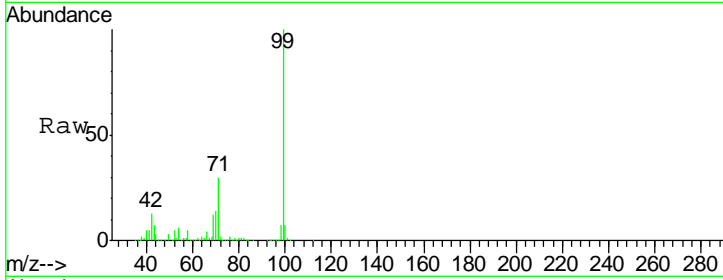


#7
 Phenol-d6
 Concen: 120.26 ng
 RT: 6.31 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Instrument :
 BNA_F
 ClientSampled :
 AST-6

Tgt Ion: 99 Resp: 3673879

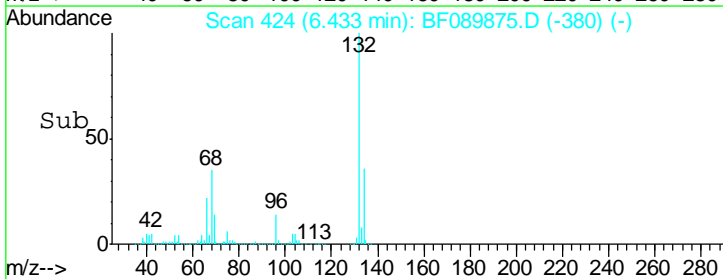
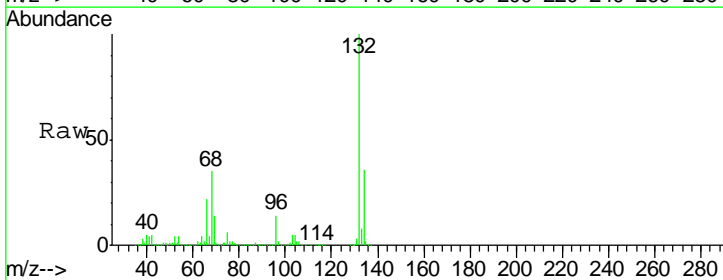
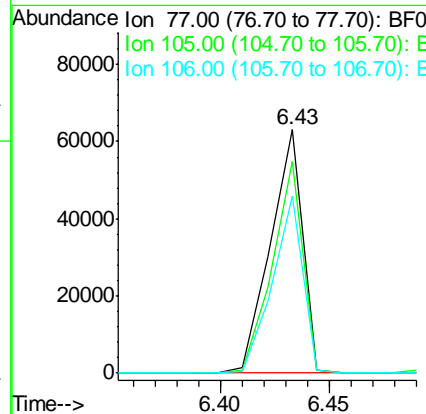
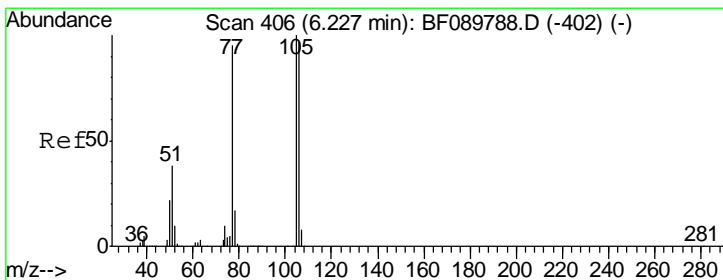
Ion	Ratio	Lower	Upper
99	100		
42	13.5	12.2	18.4
71	30.3	23.8	35.8

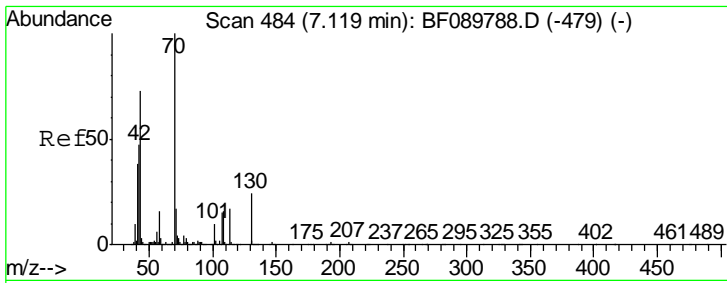


#9
 Benzaldehyde
 Concen: 3.29 ng
 RT: 6.43 min Scan# 424
 Delta R.T. 0.21 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion: 77 Resp: 65410

Ion	Ratio	Lower	Upper
77	100		
105	87.0	73.3	113.3
106	72.5	68.6	108.6

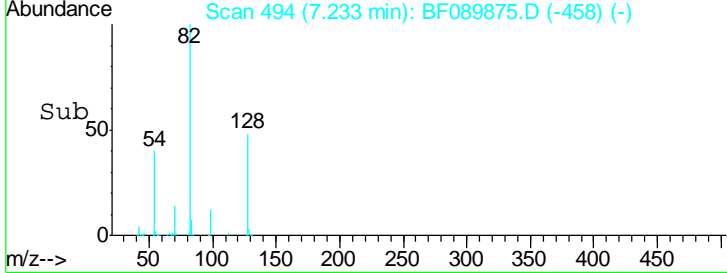
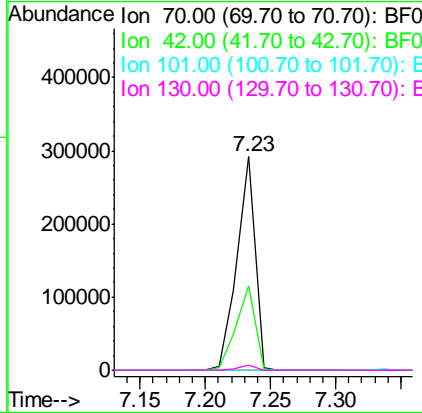
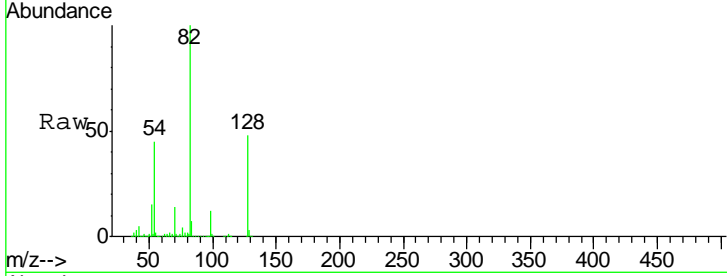




#19
 n-Nitroso-di-n-propylamine
 Concen: 14.47 ng
 RT: 7.23 min Scan# 494
 Delta R.T. 0.11 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

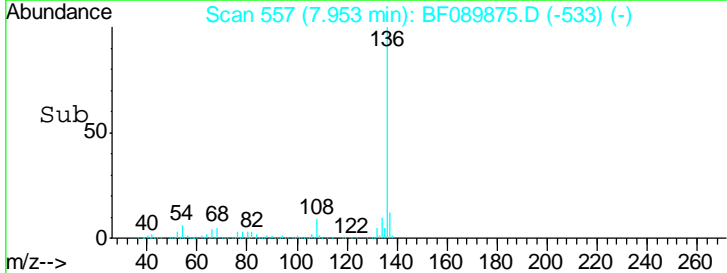
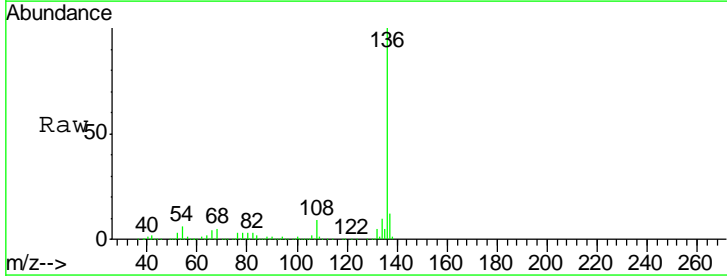
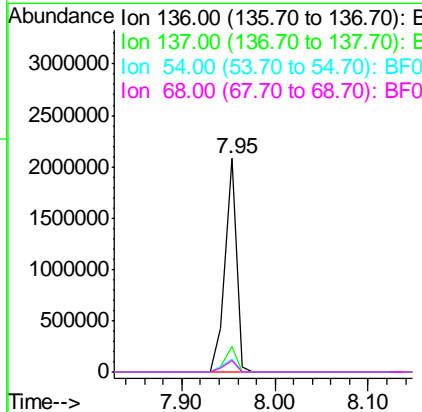
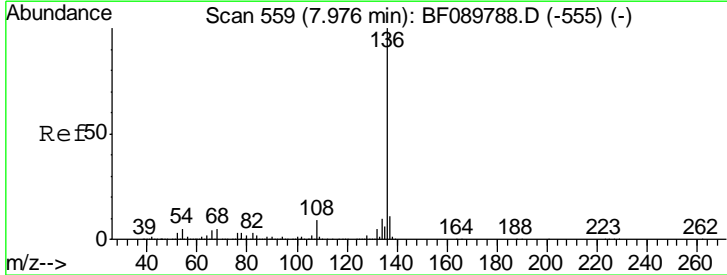
Instrument :
 BNA_F
 ClientSampled :
 AST-6

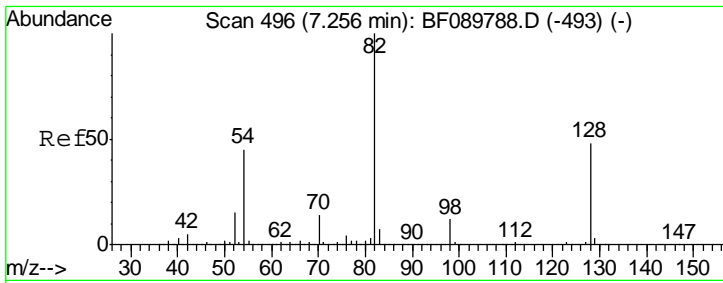
Tgt Ion	Resp	Lower	Upper
70	100		
42	39.4	46.3	69.5#
101	0.0	7.0	10.6#
130	2.5	14.4	21.6#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.95 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Resp	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	5.8	7.2	10.8#
68	5.4	5.8	8.8#



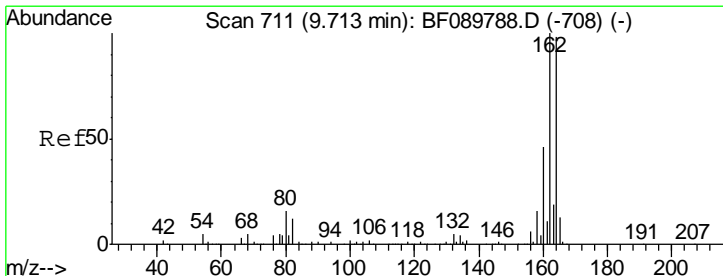
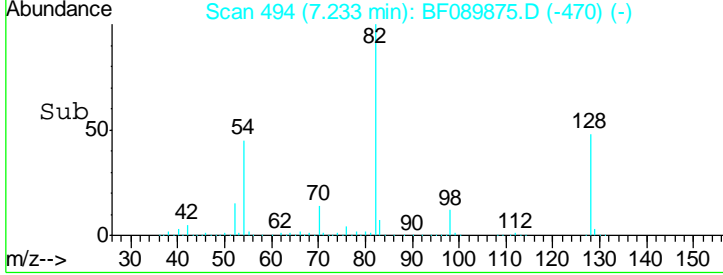
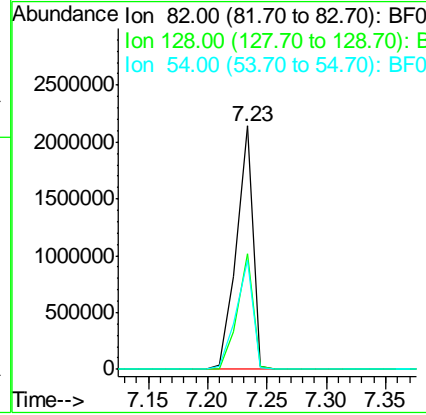
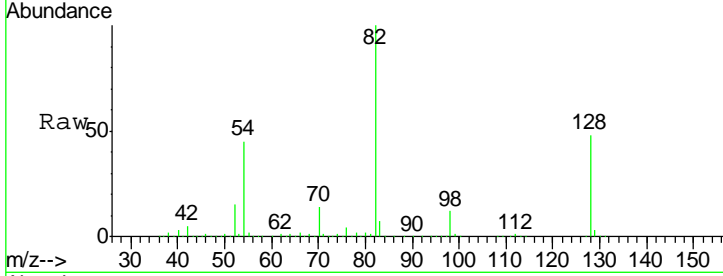


#23
 Nitrobenzene-d5
 Concen: 73.04 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Instrument :
 BNA_F
 ClientSampleID :
 AST-6

Tgt Ion: 82 Resp: 2078578

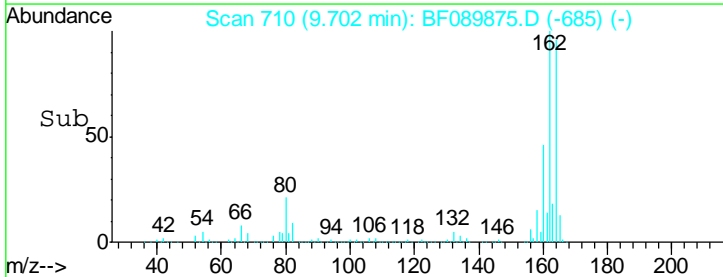
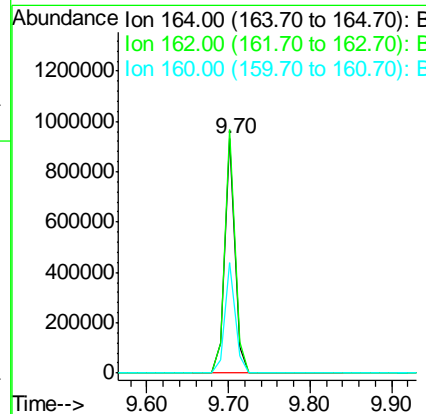
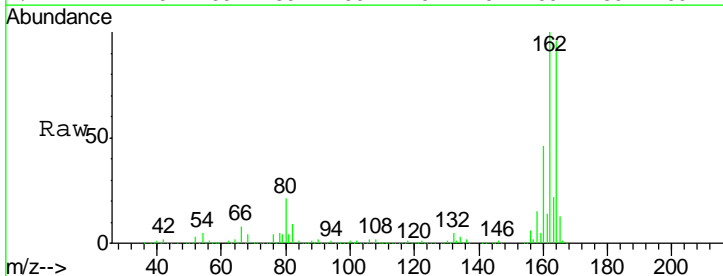
Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.4	51.6
54	44.7	40.3	60.5

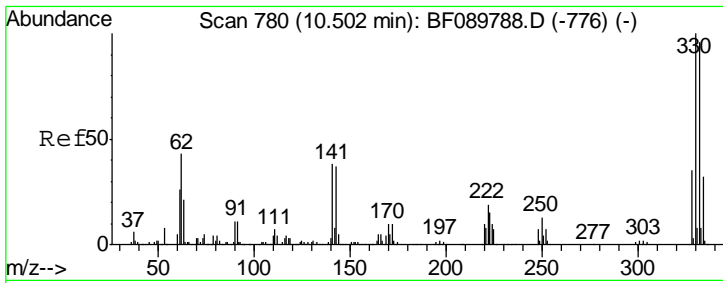


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion: 164 Resp: 794676

Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.4	122.2
160	47.3	37.8	56.6

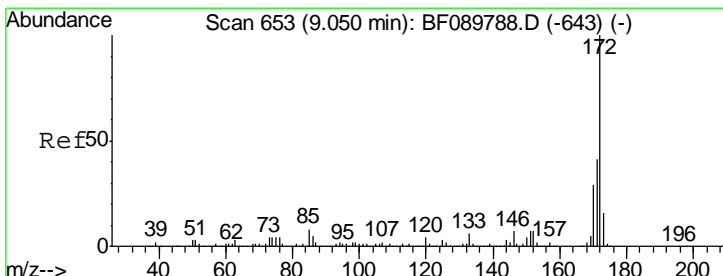
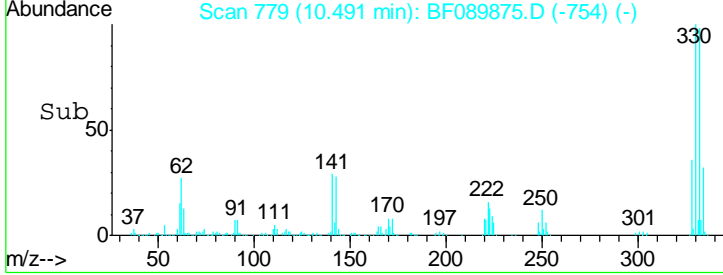
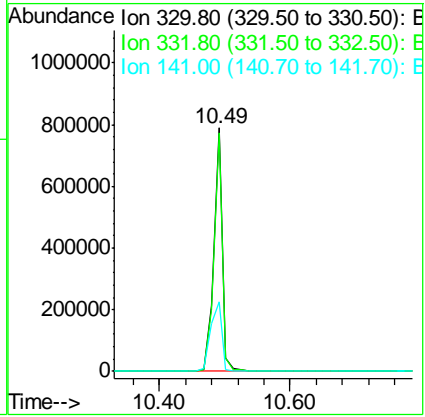
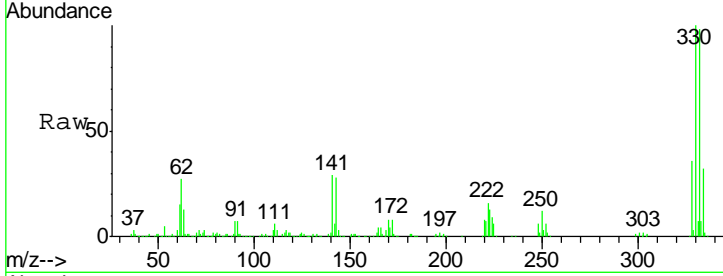




#41
 2,4,6-Tribromophenol
 Concen: 98.43 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

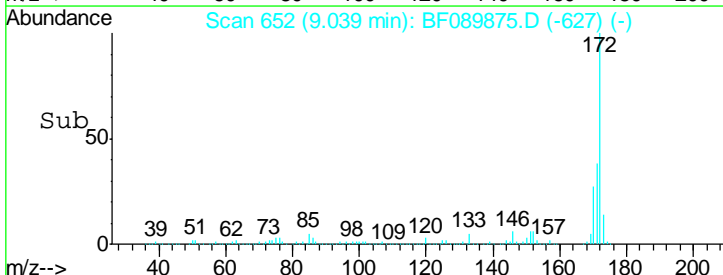
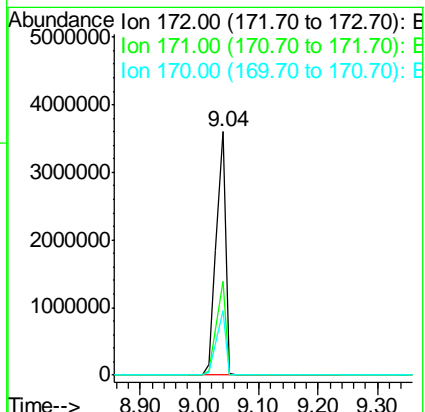
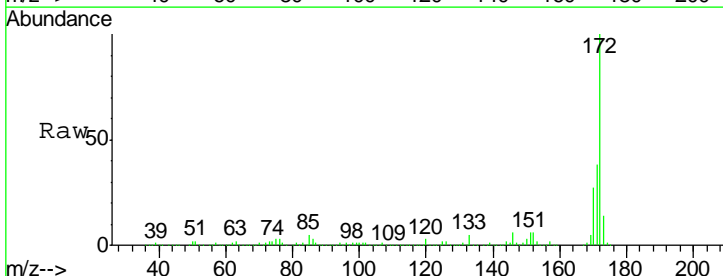
Instrument :
 BNA_F
ClientSampled :
 AST-6

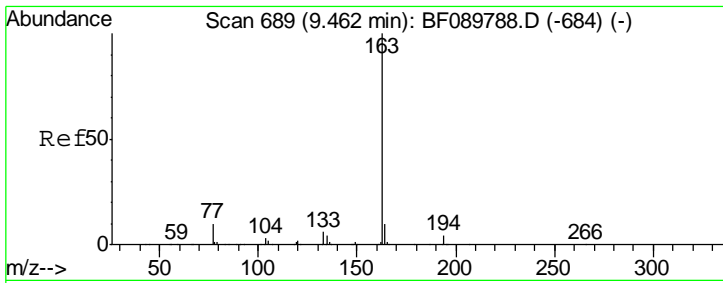
Tgt Ion	Resp	Lower	Upper
330	100		
332	97.3	76.7	115.1
141	37.4	30.2	45.2



#44
 2-Fluorobiphenyl
 Concen: 85.82 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Resp	Lower	Upper
172	100		
171	38.3	30.5	45.7
170	26.6	20.6	31.0



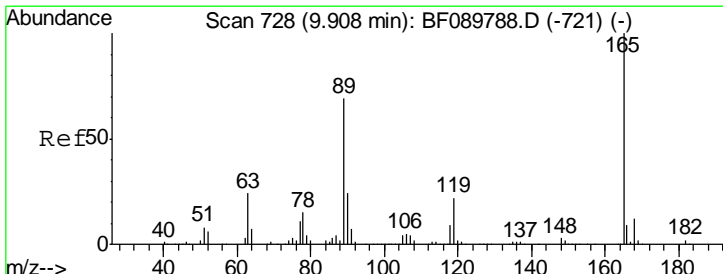
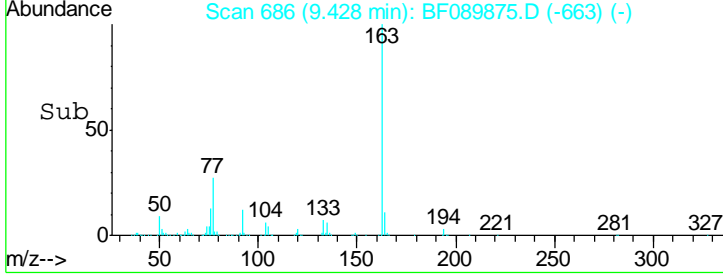
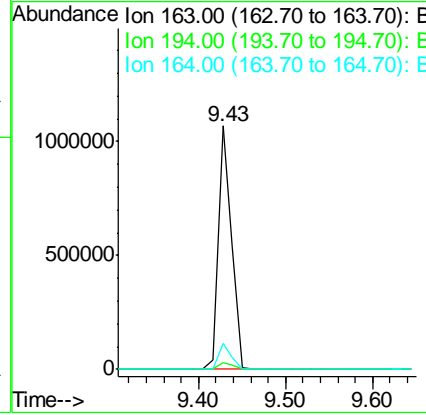
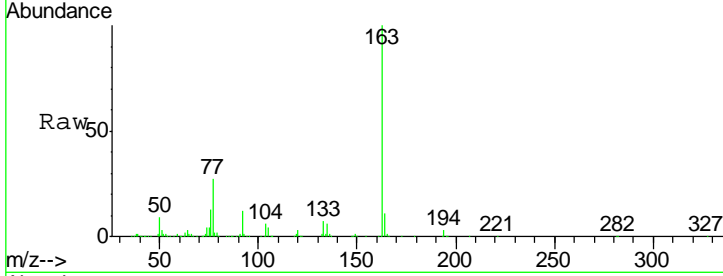


#49
 Dimethylphthalate
 Concen: 20.46 ng
 RT: 9.43 min Scan# 686
 Delta R.T. -0.03 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Instrument :
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 ClientSampled :
 AST-6

Tgt Ion:163 Resp: 1144567

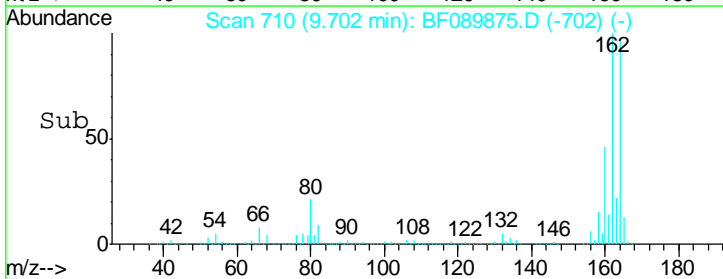
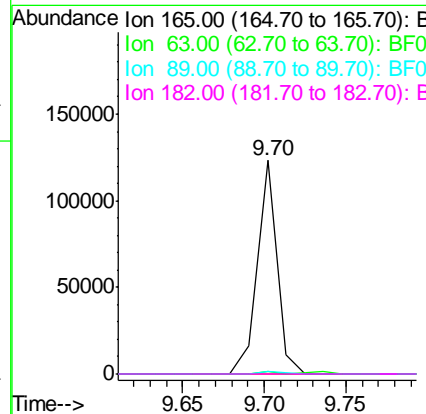
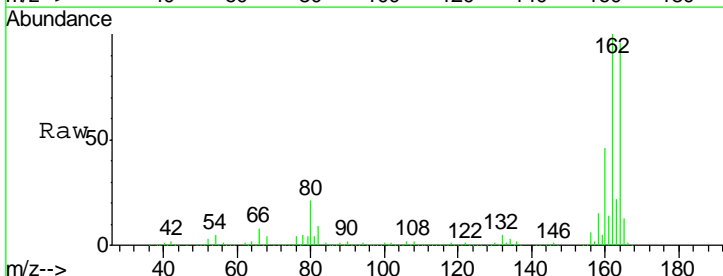
Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.6	3.8
164	10.9	8.6	12.8

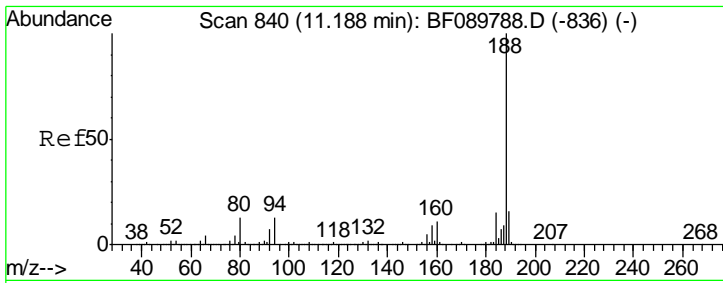


#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.21 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion:165 Resp: 103579

Ion	Ratio	Lower	Upper
165	100		
63	1.2	23.7	35.5#
89	1.0	44.0	66.0#
182	0.0	2.0	3.0#

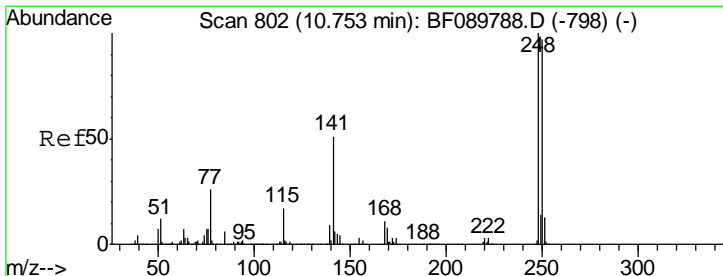
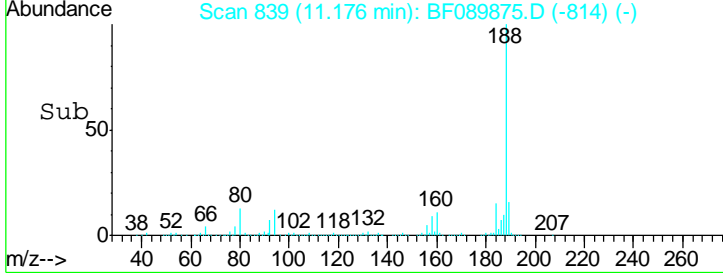
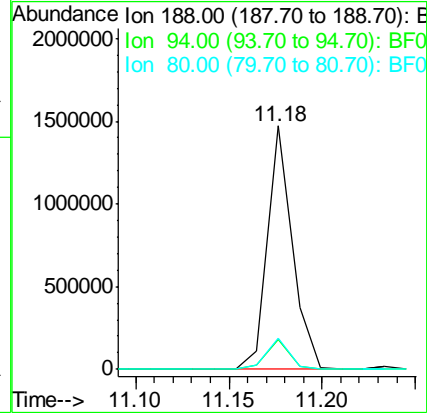
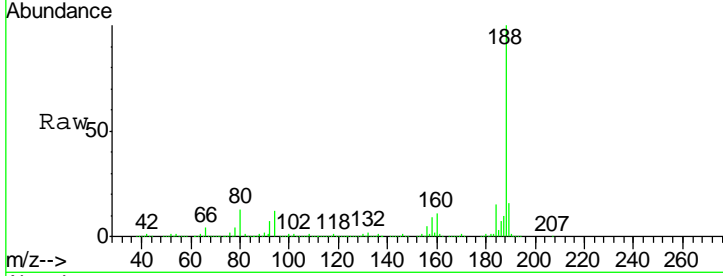




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

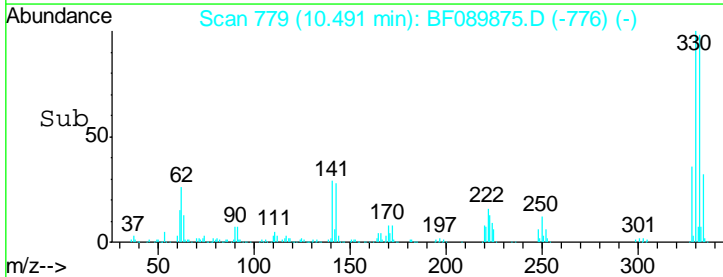
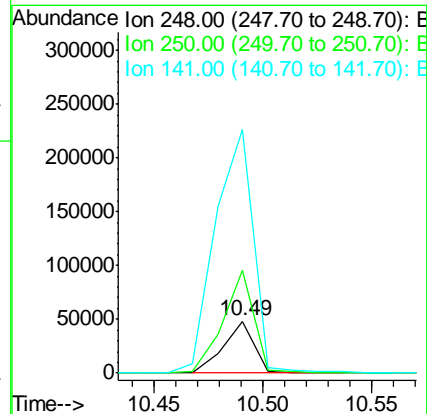
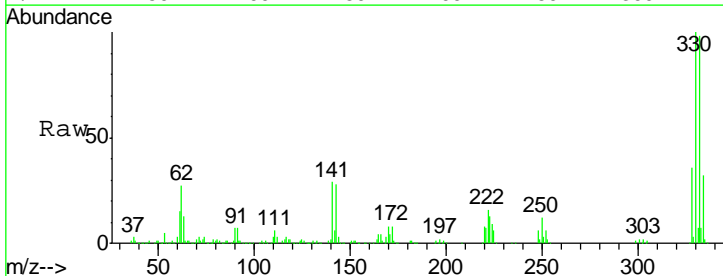
Instrument :
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 AST-6

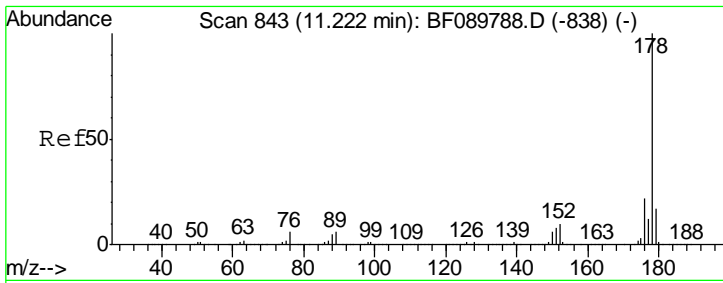
Tgt Ion	Resp	Lower	Upper
188	1351991		
94	12.2	10.2	15.2
80	12.6	10.9	16.3



#66
 4-Bromophenyl-phenylether
 Concen: 3.33 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.26 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Resp	Lower	Upper
248	47233		
250	200.5	78.6	117.8#
141	471.9	31.4	47.2#



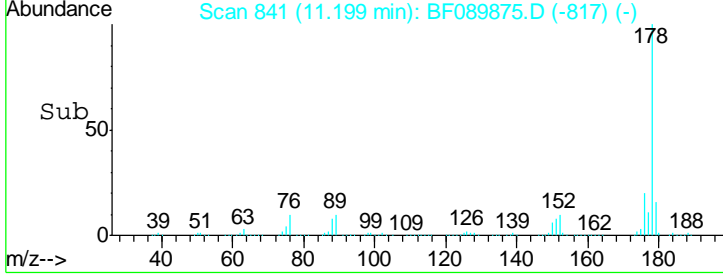
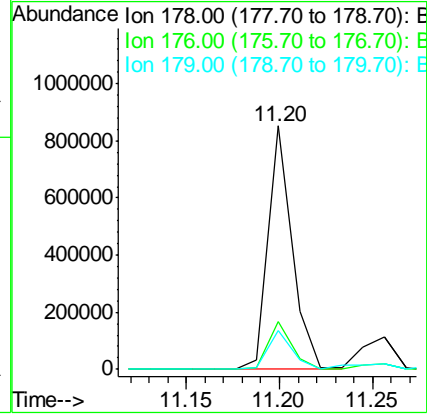
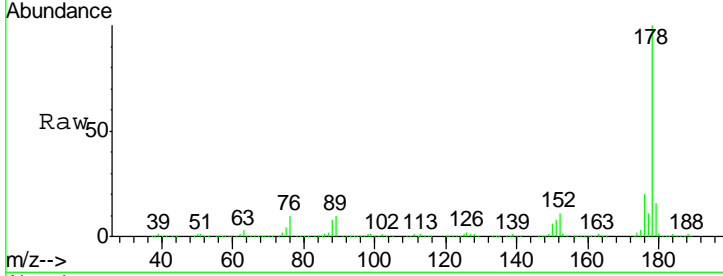


#70
 Phenanthrene
 Concen: 11.07 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.02 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Instrument :
 BNA_F
 ClientSampled :
 AST-6

Tgt Ion:178 Resp: 755972

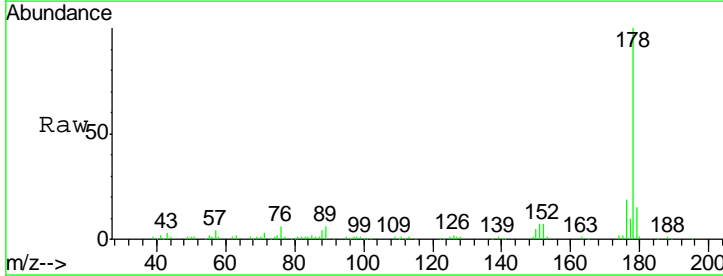
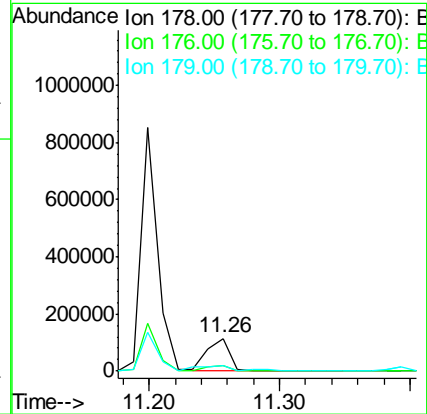
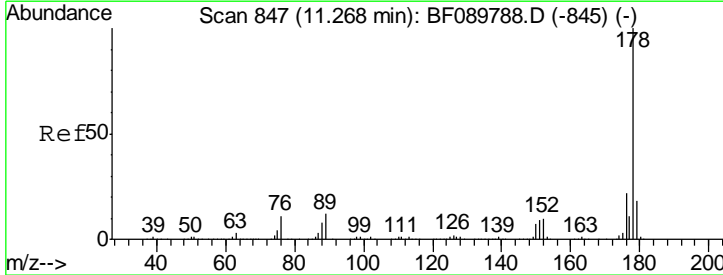
Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.4	24.6
179	16.0	12.5	18.7

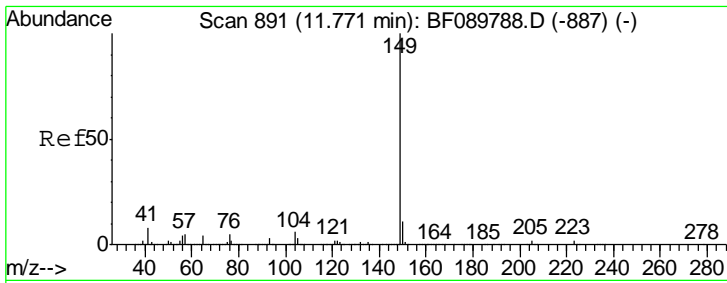


#71
 Anthracene
 Concen: 2.02 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion:178 Resp: 140512

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.4	24.6
179	15.1	13.1	19.7

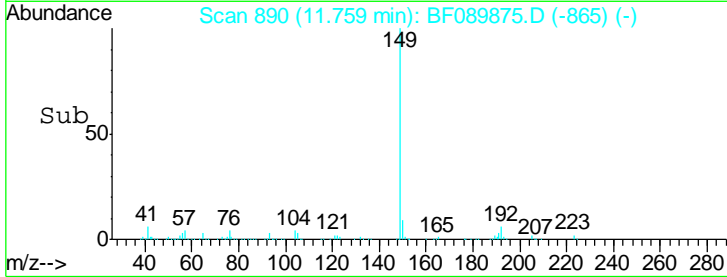
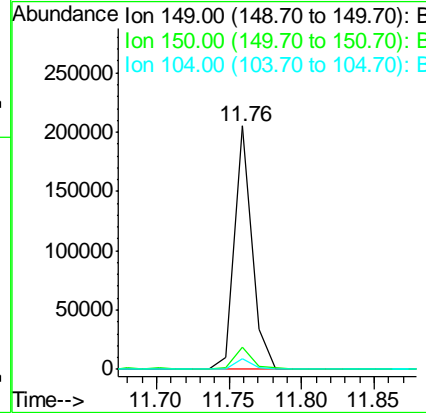
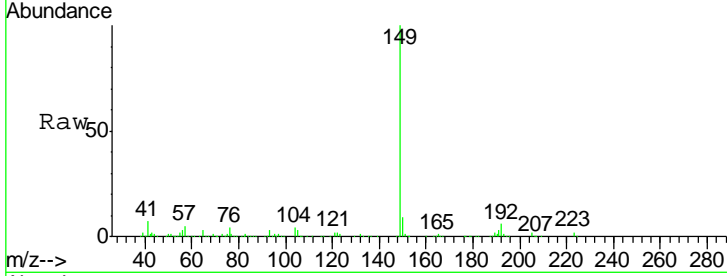




#73
 Di-n-butylphthalate
 Concen: 2.21 ng
 RT: 11.76 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

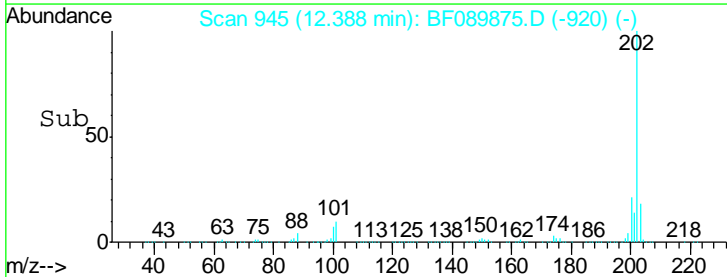
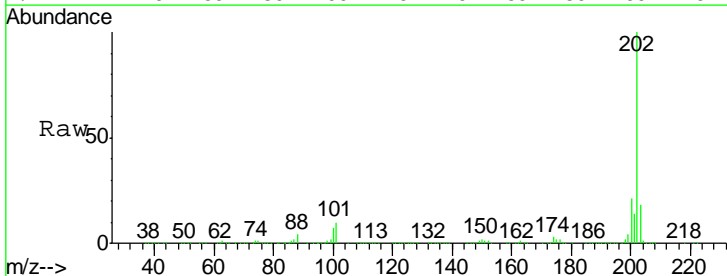
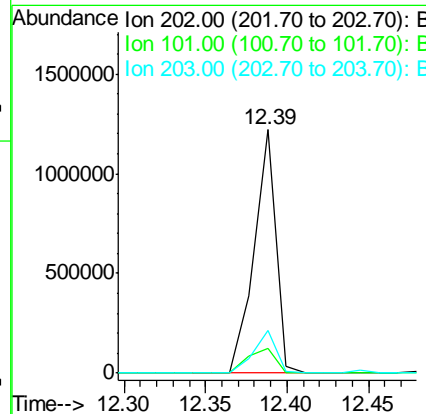
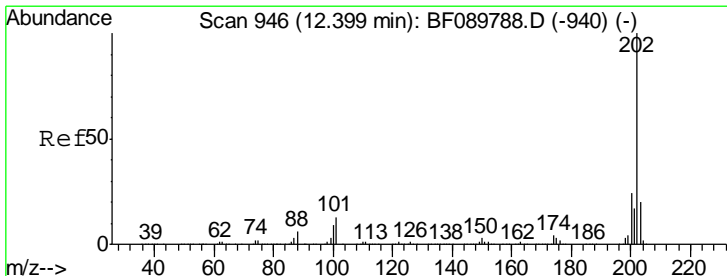
Instrument :
 BNA_F
ClientSampled :
 AST-6

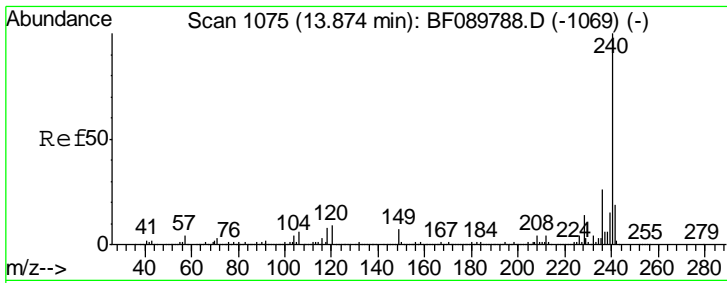
Tgt Ion	Resp	Lower	Upper
149	172182		
150	9.1	7.9	11.9
104	4.5	4.3	6.5



#74
 Fluoranthene
 Concen: 17.45 ng
 RT: 12.39 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Resp	Lower	Upper
202	1133249		
101	10.0	0.0	31.2
203	17.7	0.0	38.1



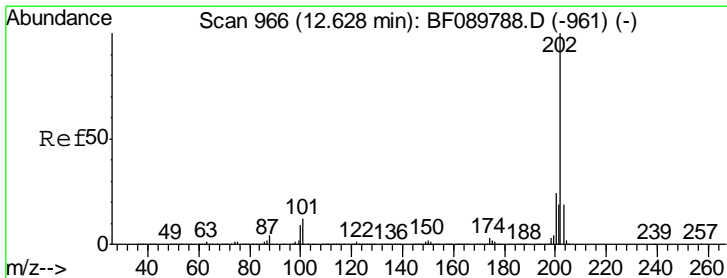
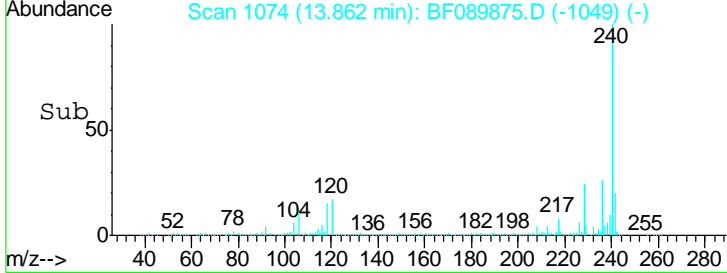
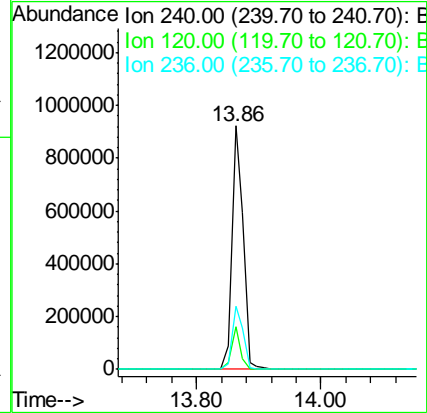
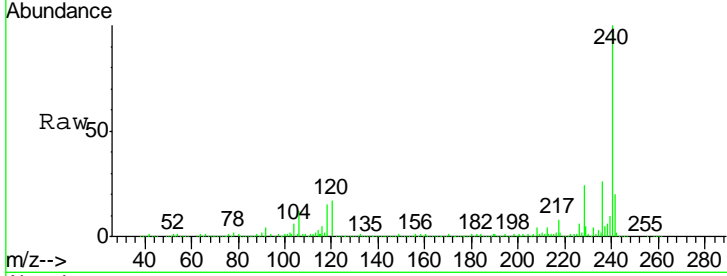


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.86 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Instrument :
 BNA_F
 ClientSampleId :
 AST-6

Tgt Ion: 240 Resp: 1140943

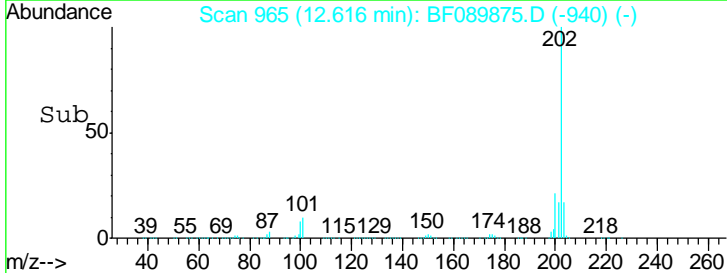
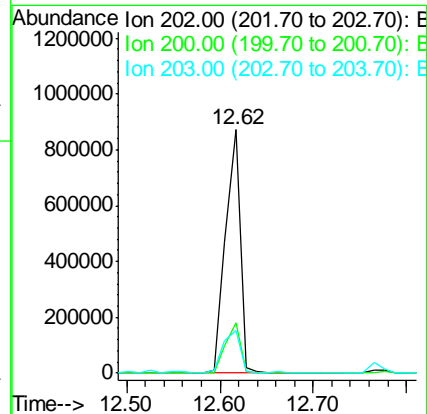
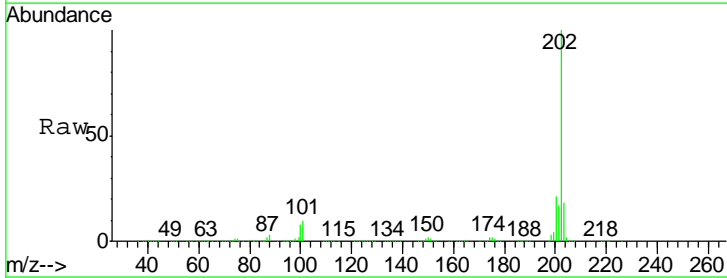
Ion	Ratio	Lower	Upper
240	100		
120	17.4	8.3	12.5#
236	26.2	21.3	31.9

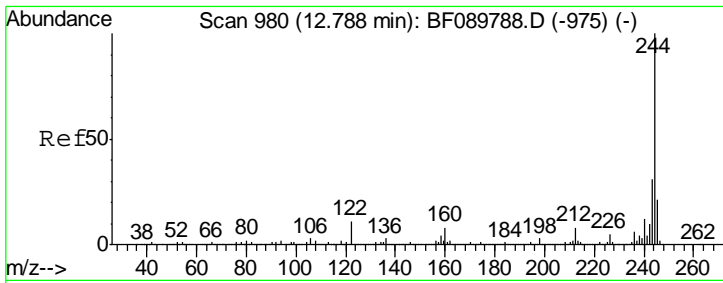


#77
 Pyrene
 Concen: 10.23 ng
 RT: 12.62 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion: 202 Resp: 950402

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.8	26.6
203	17.6	14.2	21.4

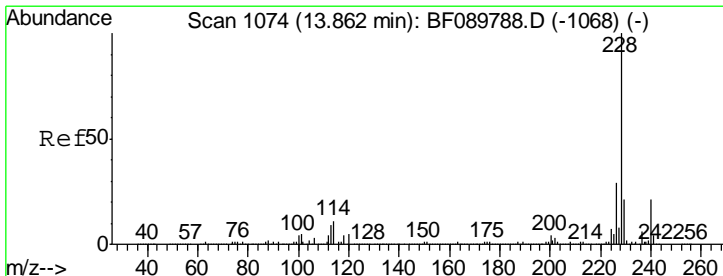
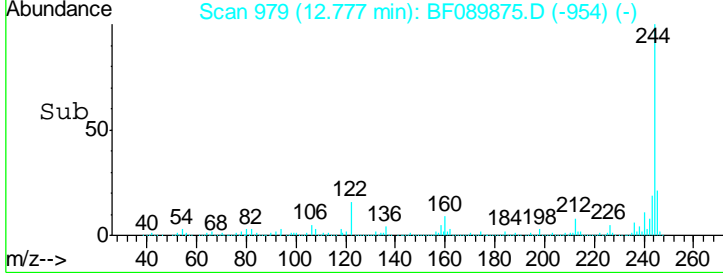
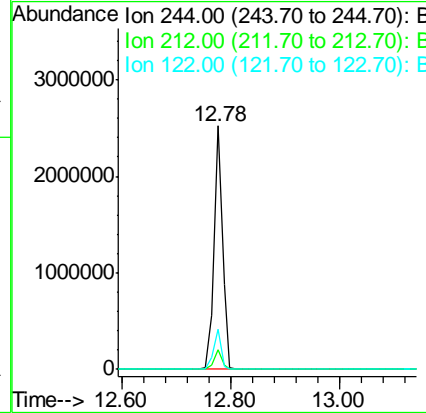
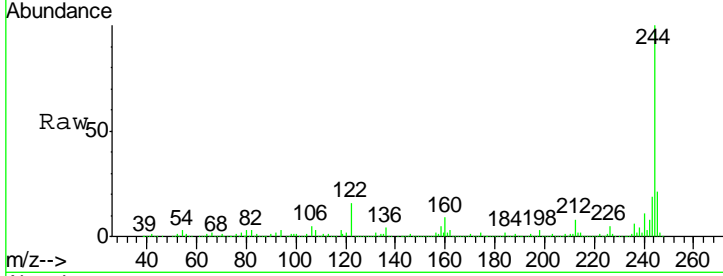




#78
 Terphenyl-d14
 Concen: 54.84 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

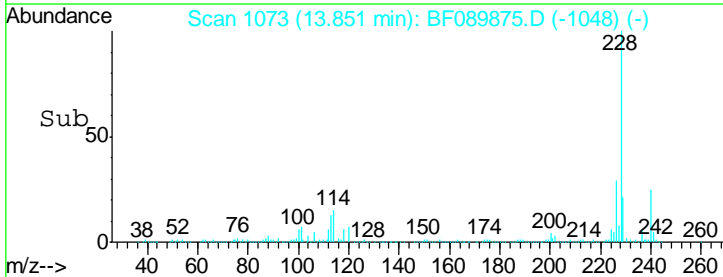
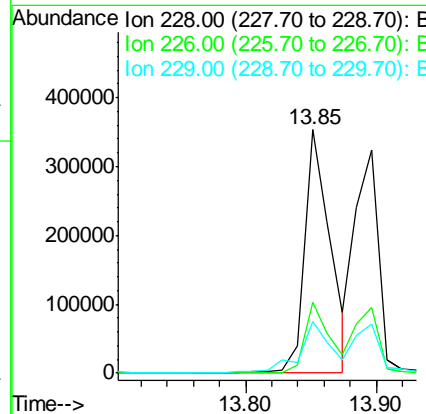
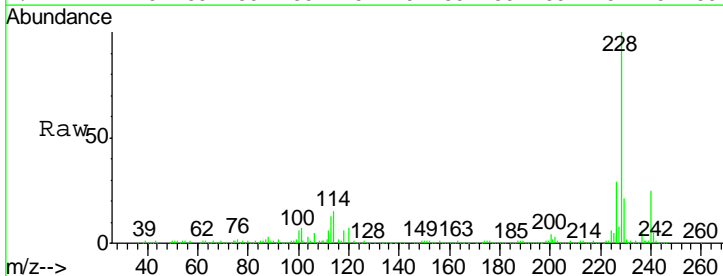
Instrument :
 BNA_F
 ClientSampled :
 AST-6

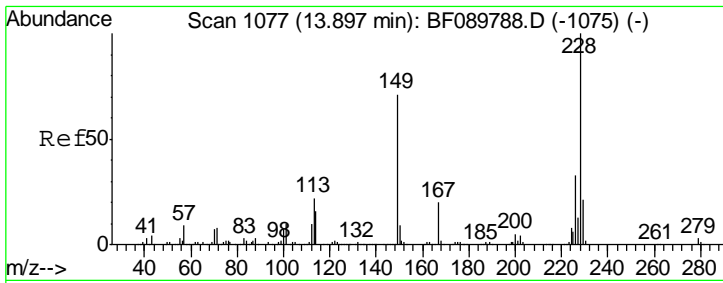
Tgt Ion	Resp	Lower	Upper
244	100		
212	8.1	6.3	9.5
122	16.2	12.0	18.0



#80
 Benzo(a)anthracene
 Concen: 7.42 ng
 RT: 13.85 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Resp	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	21.2	16.2	24.4

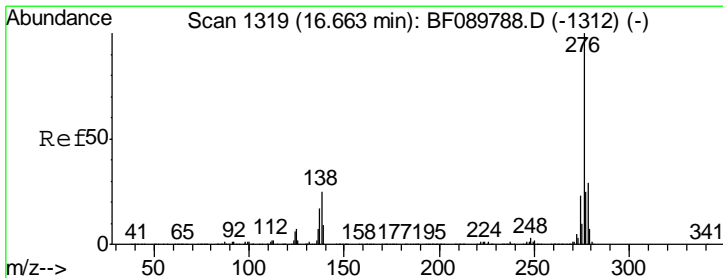
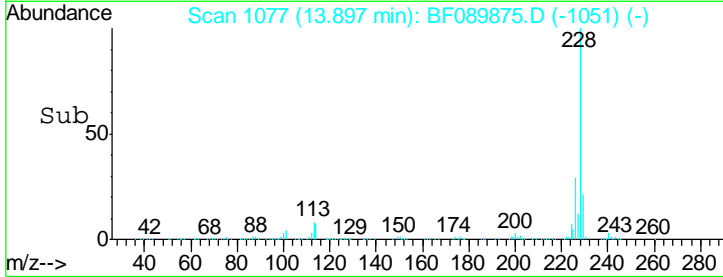
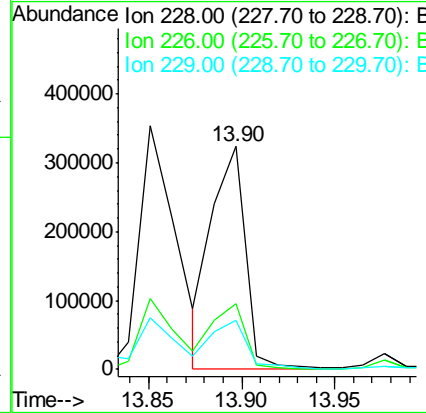
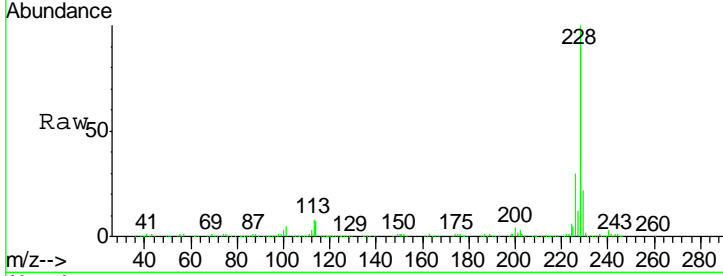




#82
 Chrysene
 Concen: 7.26 ng
 RT: 13.90 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

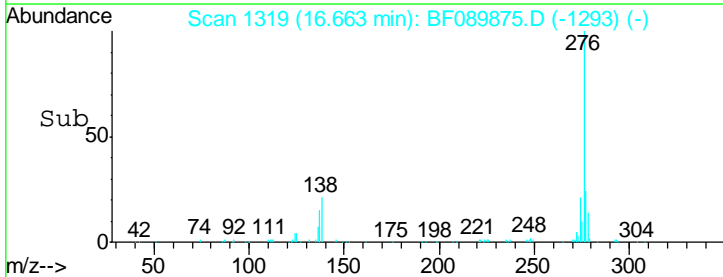
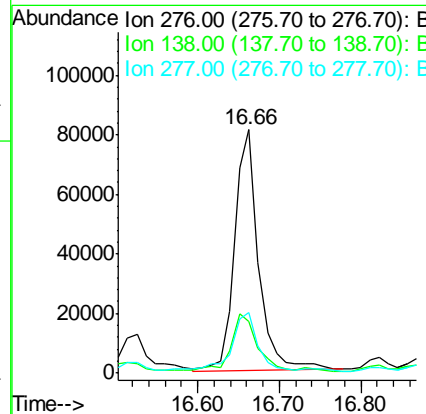
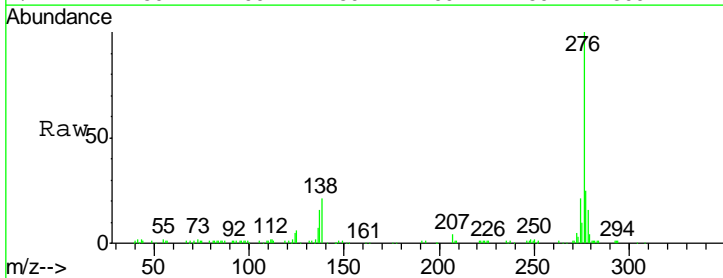
Instrument :
 BNA_F
 ClientSampled :
 AST-6

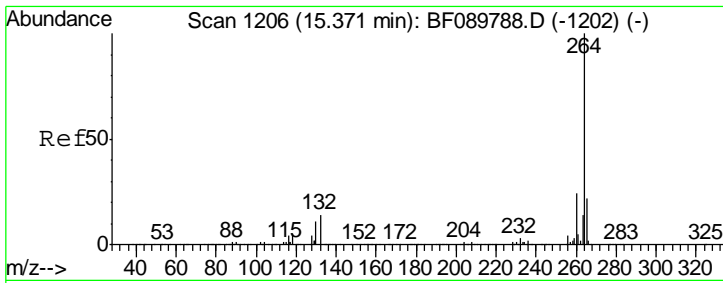
Tgt Ion	Resp	Lower	Upper
228	100		
226	29.6	25.4	38.0
229	21.8	16.5	24.7



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.30 ng
 RT: 16.66 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Resp	Lower	Upper
276	100		
138	25.2	24.6	36.8
277	27.1	20.4	30.6

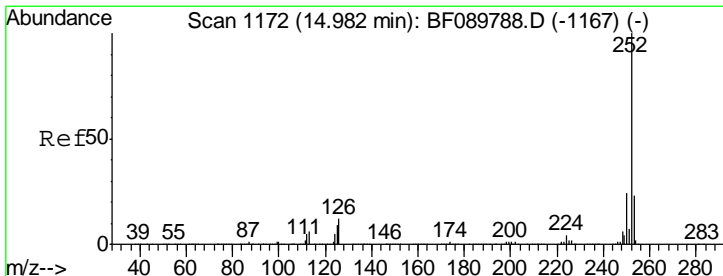
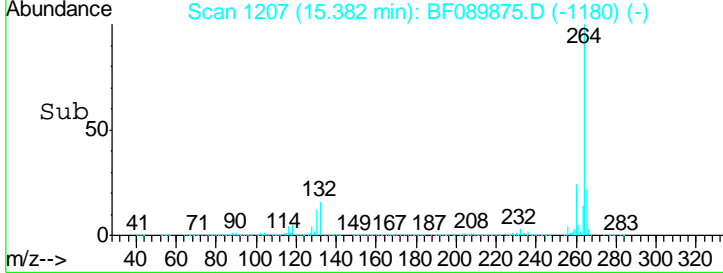
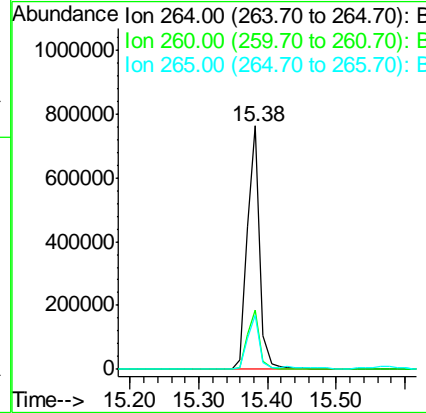
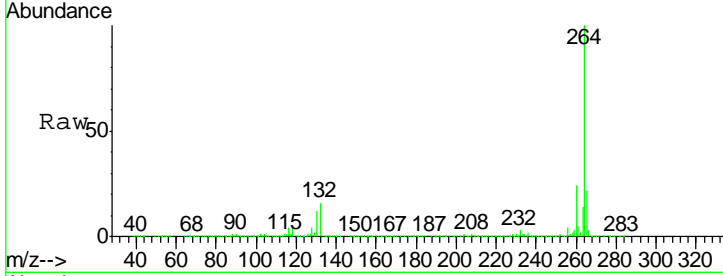




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

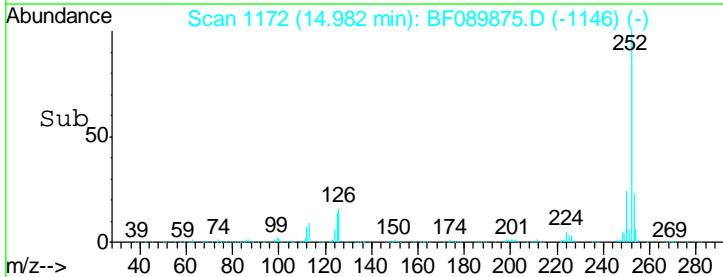
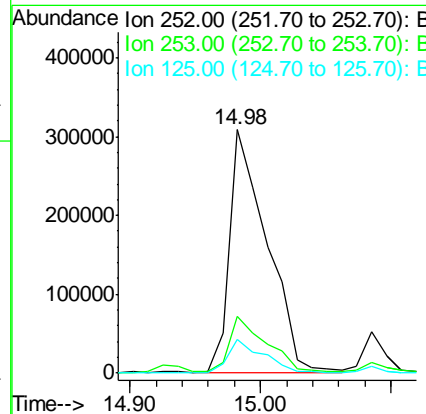
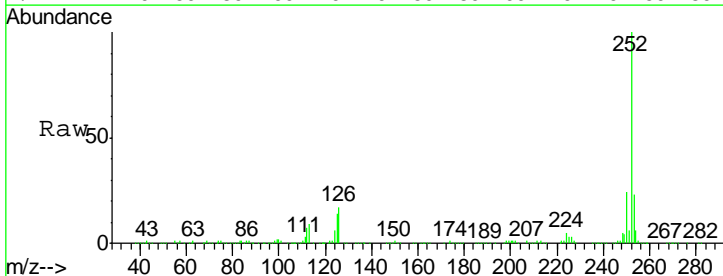
Instrument :
 BNA_F
 ClientSampled :
 AST-6

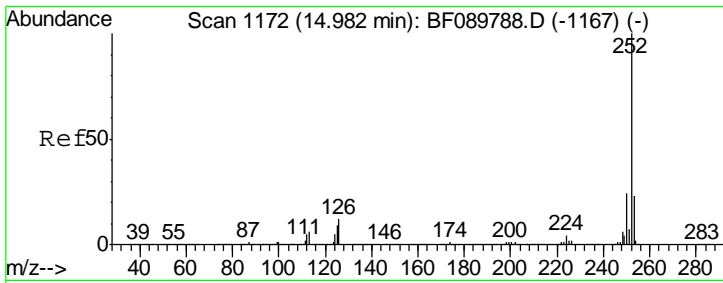
Tgt Ion	Resp	Lower	Upper
264	100		
260	24.2	20.2	30.2
265	22.0	17.4	26.2



#87
 Benzo(b)fluoranthene
 Concen: 11.67 ng
 RT: 14.98 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	13.7	11.4	17.2

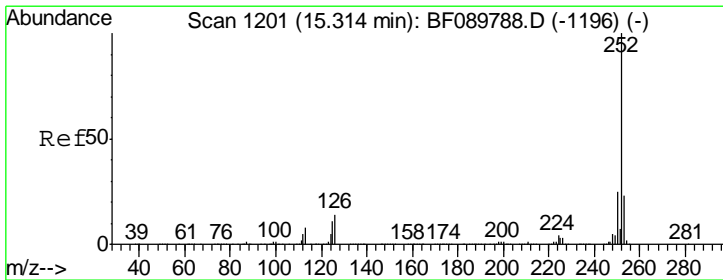
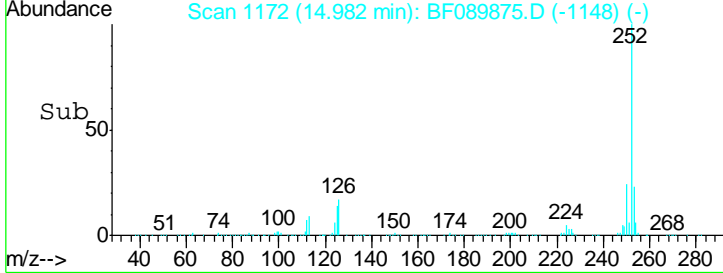
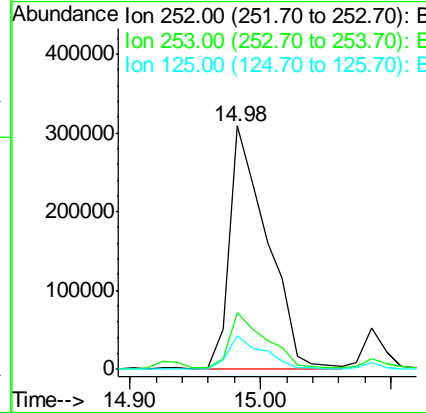
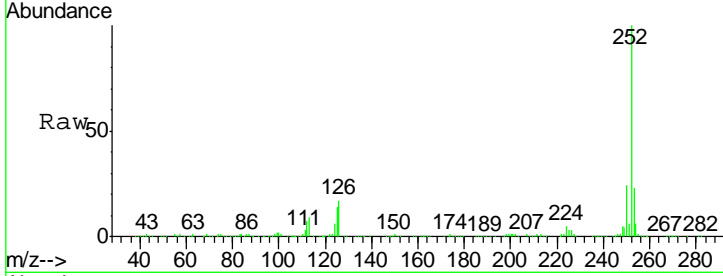




#88
 Benzo(k)fluoranthene
 Concen: 12.86 ng
 RT: 14.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

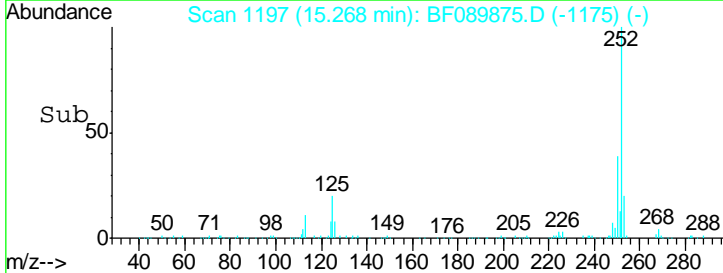
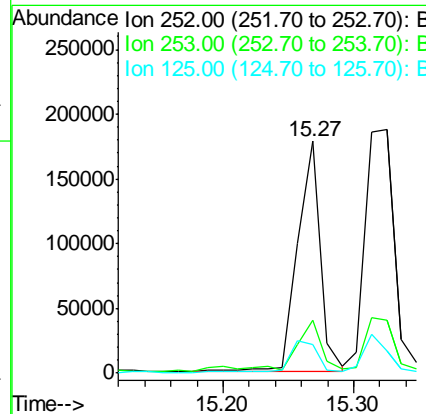
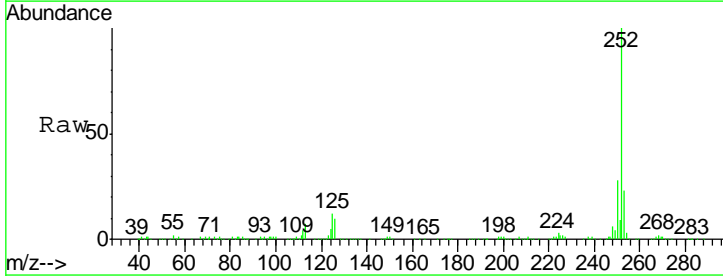
Instrument :
 BNA_F
 ClientSampled :
 AST-6

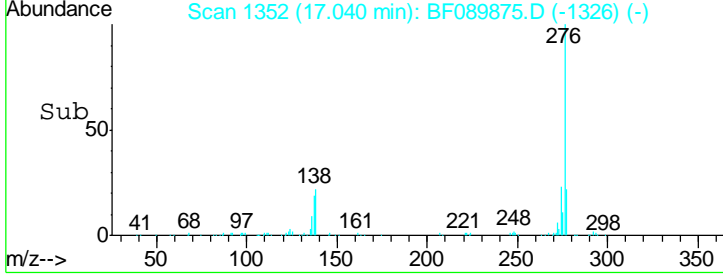
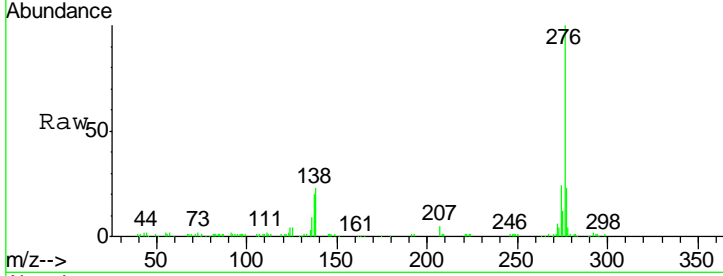
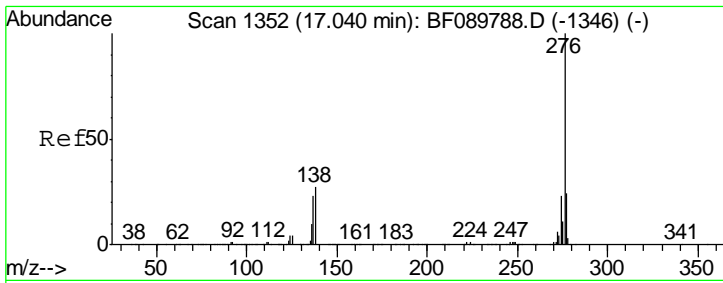
Tgt Ion	Resp	Lower	Upper
252	615703		
253	23.2	18.4	27.6
125	13.7	9.8	14.6



#89
 Benzo(a)pyrene
 Concen: 4.29 ng
 RT: 15.27 min Scan# 1197
 Delta R.T. -0.05 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Resp	Lower	Upper
252	214459		
253	22.7	17.8	26.8
125	12.4	11.7	17.5





#91
 Benzo(g,h,i)perylene
 Concen: 2.72 ng
 RT: 17.04 min Scan# 1352
 Delta R.T. -0.00 min
 Lab File: BF089875.D
 Acq: 24 Aug 2016 15:35

Instrument :
 BNA_F
 ClientSampled :
 AST-6

Tgt Ion: 276 Resp: 155346

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	22.5	22.1	33.1

