

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095645.D
 Acq On : 2 Jun 2017 21:09
 Operator : SJ/MA
 Sample : I3441-11 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-RO-17273-060117

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Quant Time: Jun 03 04:25:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	81365	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	307254	20.00	ng	0.00
38) Acenaphthene-d10	12.39	164	114952	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	176961	20.00	ng	0.00
75) Chrysene-d12	18.49	240	174434	20.00	ng	0.00
86) Perylene-d12	20.17	264	129583	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	81009	16.60	ng	0.04
7) Phenol-d6	7.13	99	107752	18.40	ng	0.03
23) Nitrobenzene-d5	8.47	82	56890	11.68	ng	0.00
41) 2,4,6-Tribromophenol	13.71	330	14480	15.38	ng	0.01
44) 2-Fluorobiphenyl	11.35	172	123085	15.41	ng	0.00
78) Terphenyl-d14	17.14	244	85908	10.85	ng	-0.01
Target Compounds						
31) Naphthalene	9.60	128	88377	5.72	ng	97
37) 2-Methylnaphthalene	10.73	142	44232	4.36	ng	94
51) Acenaphthene	12.45	154	23412	3.20	ng	98
54) Dibenzofuran	12.75	168	29181	2.88	ng	97
57) Fluorene	13.29	166	46690	5.31	ng	97
70) Phenanthrene	14.83	178	224509	22.08	ng	98
71) Anthracene	14.93	178	50416	4.85	ng	95
72) Carbazole	15.23	167	20362	2.15	ng	97
74) Fluoranthene	16.60	202	134719	12.92	ng	97
77) Pyrene	16.90	202	132769	10.18	ng	98
80) Benzo(a)anthracene	18.49	228	43489m	4.28	ng	
82) Chrysene	18.53	228	45662	4.65	ng	97
87) Benzo(b)fluoranthene	19.77	252	29194m	3.65	ng	
89) Benzo(a)pyrene	20.12	252	25443	3.44	ng	# 87
91) Benzo(a,h,i)perylene	21.79	276	14375	2.40	ng	# 89

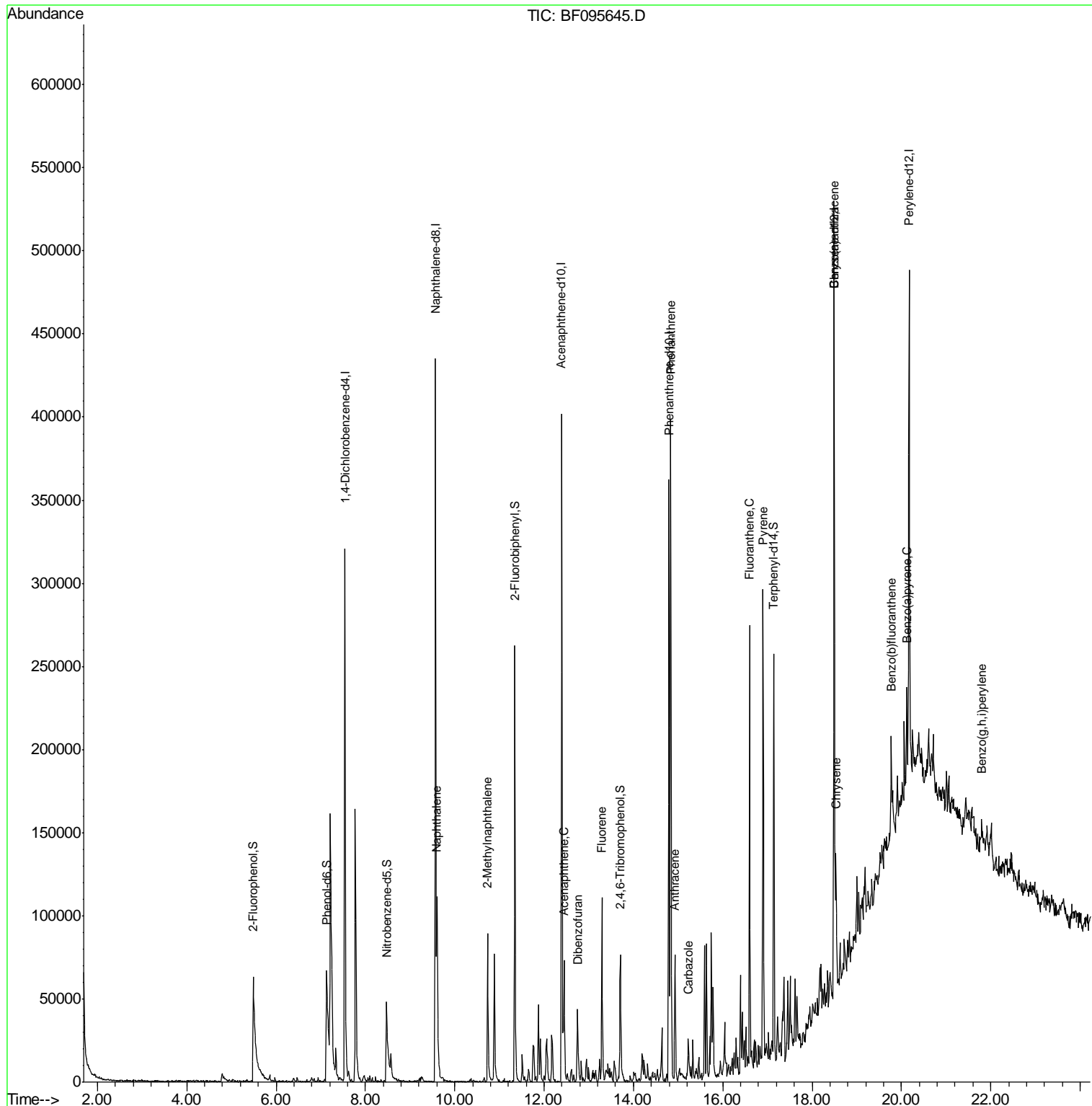
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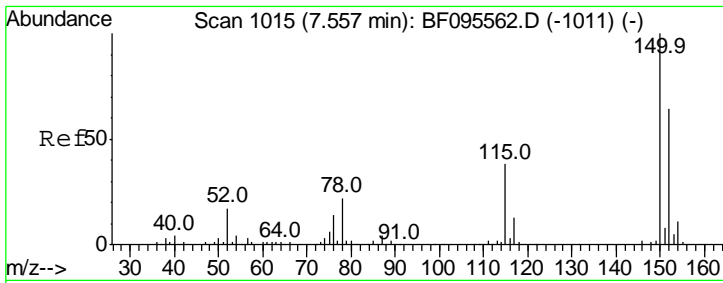
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
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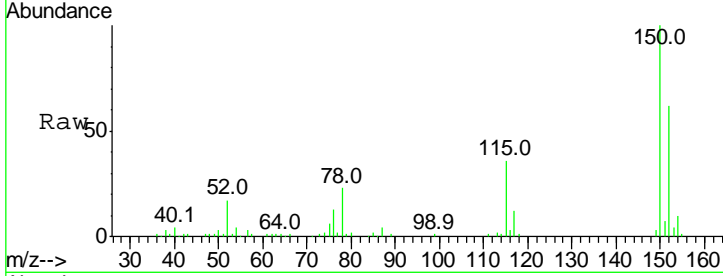
Quant Time: Jun 03 04:25:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.54 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

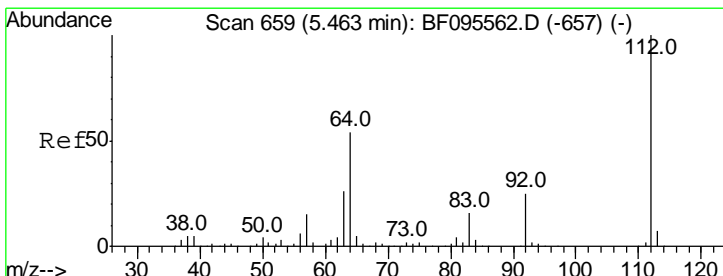
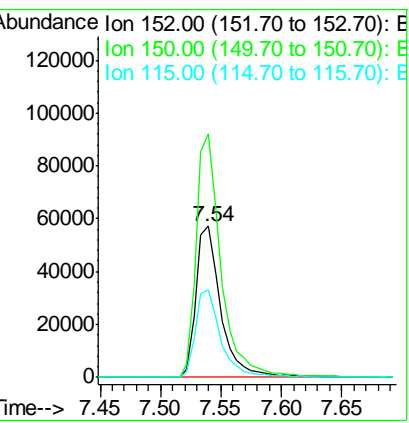
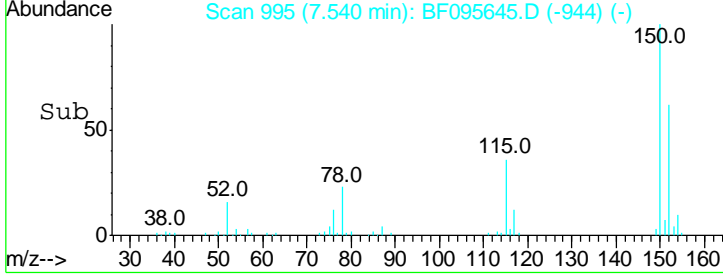
Instrument :
 BNA_F
ClientSampleId :
 OR-RO-17273-060117



Tgt Ion: 152 Resp: 81365

Ion	Ratio	Lower	Upper
152	100		
150	160.9	126.2	189.2
115	57.6	52.2	78.2

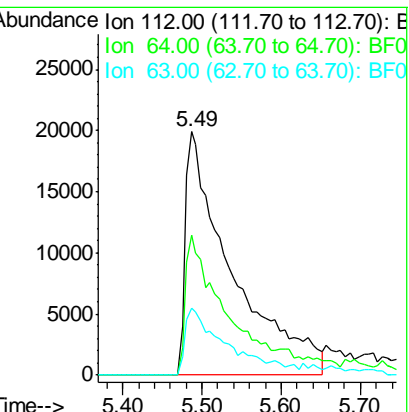
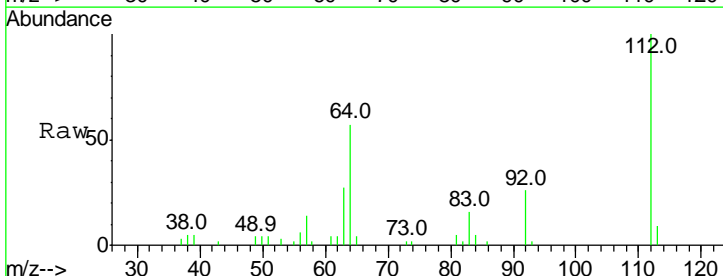
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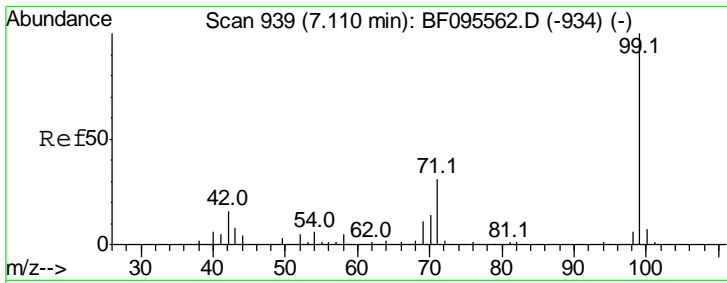


#5
 2-Fluorophenol
 Concen: 16.60 ng
 RT: 5.49 min Scan# 646
 Delta R.T. 0.04 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Tgt Ion: 112 Resp: 81009

Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.0	69.0
63	27.4	23.4	35.0



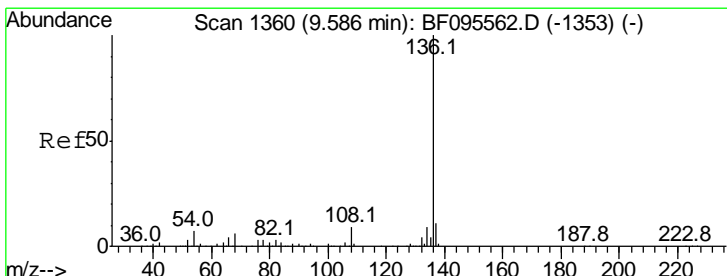
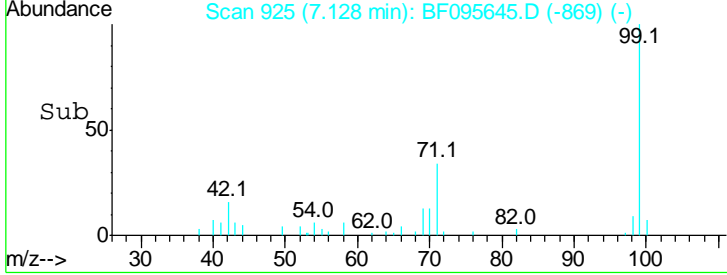
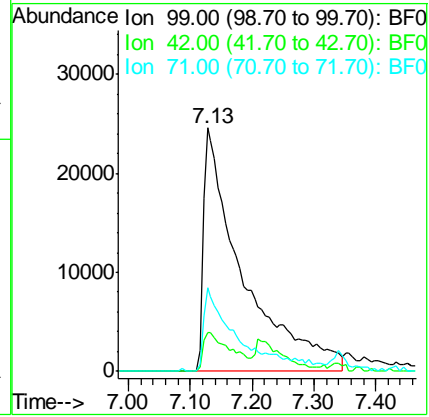
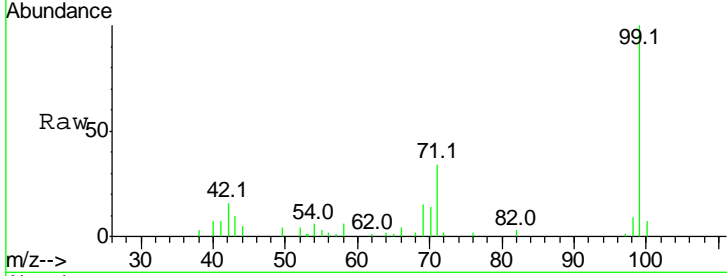


#7
 Phenol-d6
 Concen: 18.40 ng
 RT: 7.13 min Scan# 925
 Delta R.T. 0.03 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Instrument :
 BNA_F
ClientSampled :
 OR-RO-17273-060117

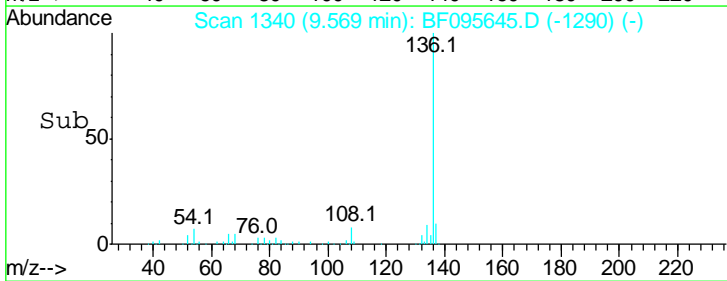
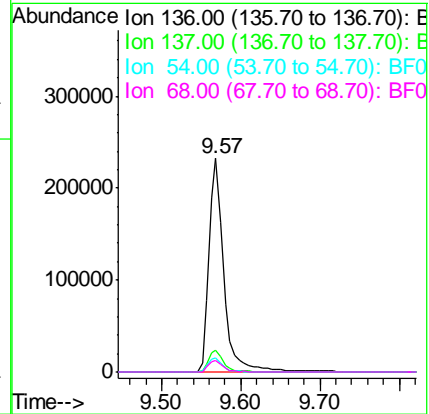
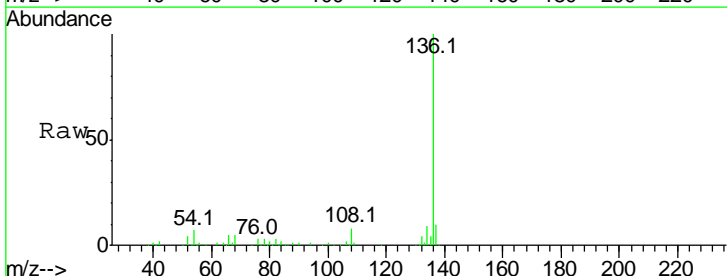
Tgt Ion	Resp	Lower	Upper
99	107752		
99	100		
42	16.1	13.5	20.3
71	34.2	24.5	36.7

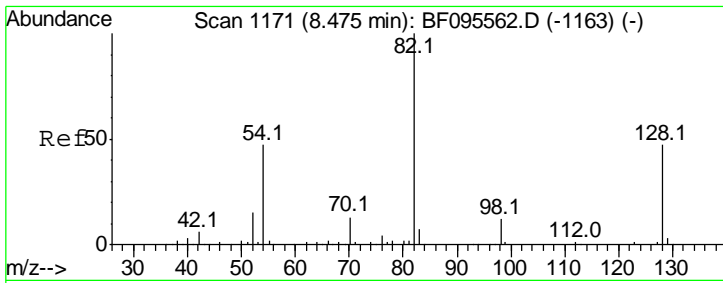
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#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 9.57 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Tgt Ion	Resp	Lower	Upper
136	307254		
136	100		
137	10.3	8.5	12.7
54	6.8	4.9	7.3
68	5.3	4.1	6.1





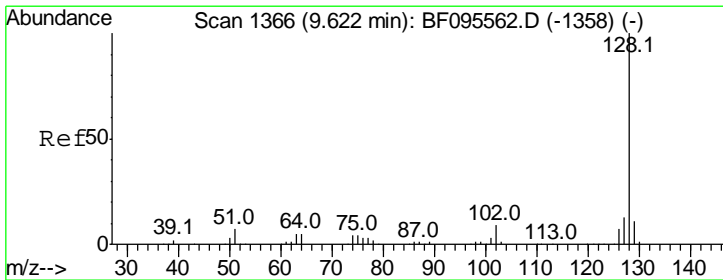
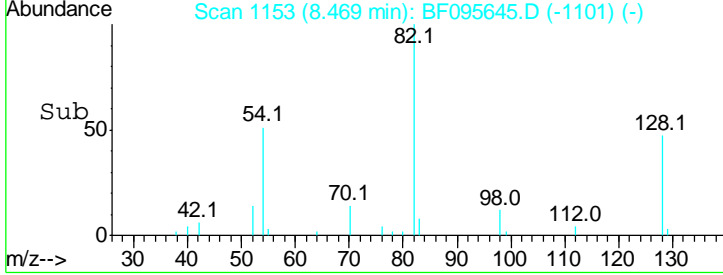
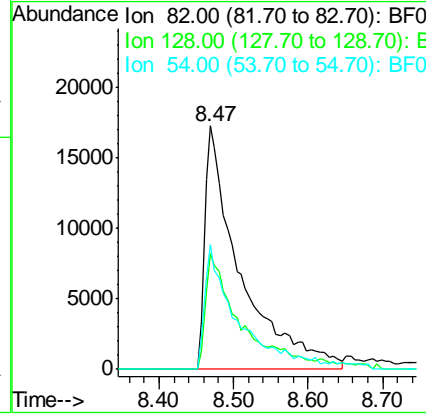
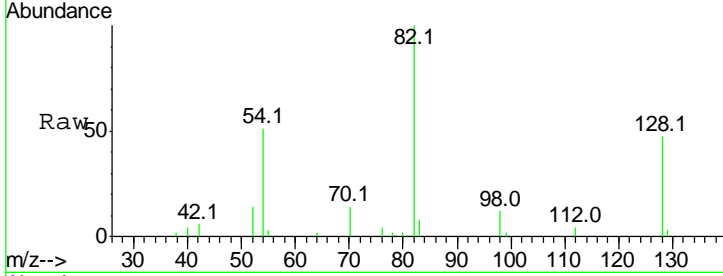
#23
 Nitrobenzene-d5
 Concen: 11.68 ng
 RT: 8.47 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Instrument :
 BNA_F
ClientSampled :
 OR-RO-17273-060117

Tgt Ion	Resp	Lower	Upper
82	100		
128	47.3	34.0	51.0
54	51.4	42.2	63.2

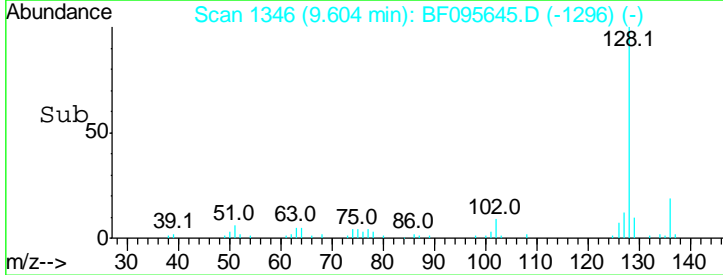
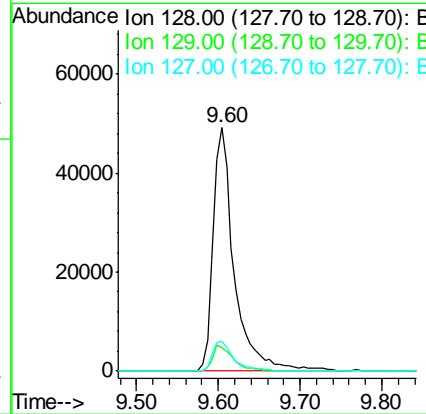
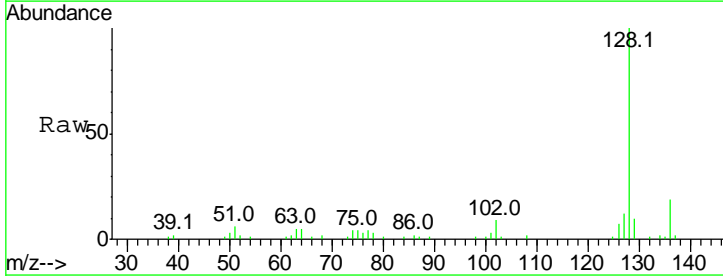
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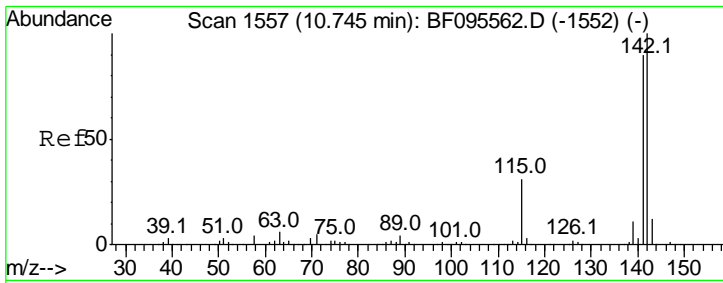
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#31
 Naphthalene
 Concen: 5.72 ng
 RT: 9.60 min Scan# 1346
 Delta R.T. -0.01 min
 Lab File: BF095645.D
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Tgt Ion	Resp	Lower	Upper
128	100		
129	9.8	9.0	13.6
127	12.4	10.8	16.2



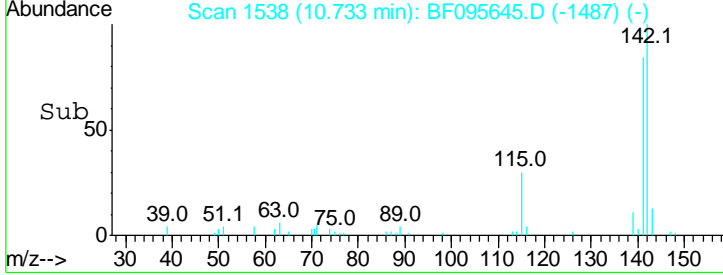
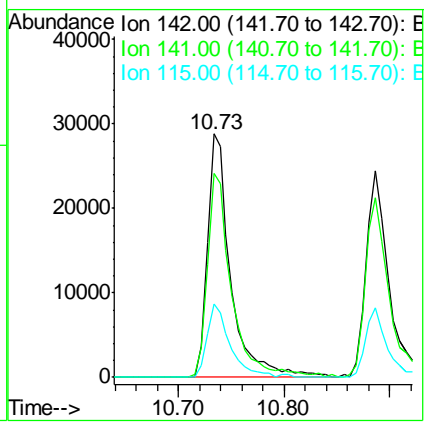
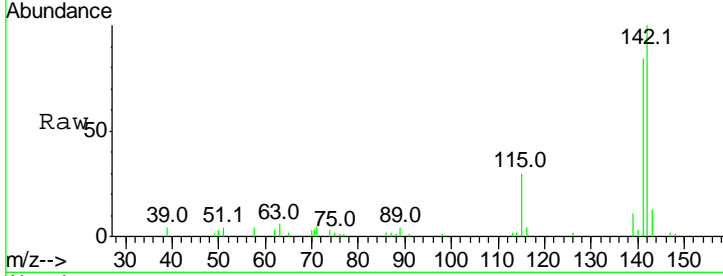


#37
 2-Methylnaphthalene
 Concen: 4.36 ng
 RT: 10.73 min Scan# 1538
 Delta R.T. 0.00 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Instrument :
 BNA_F
ClientSampled :
 OR-RO-17273-060117

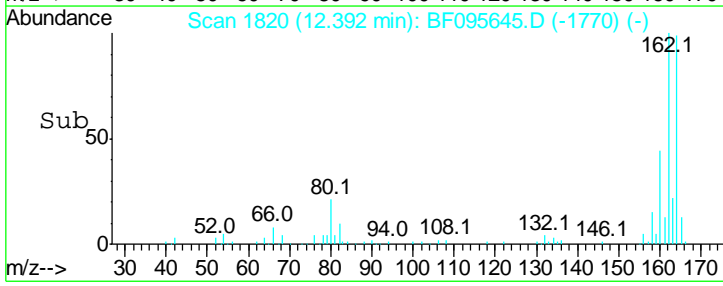
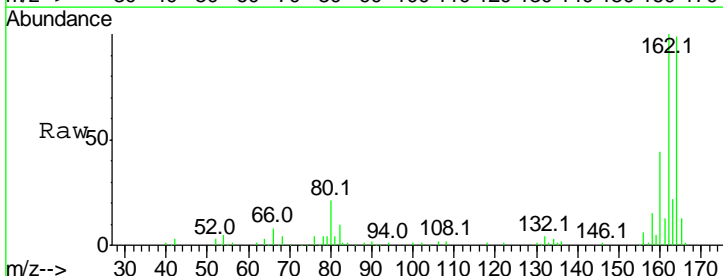
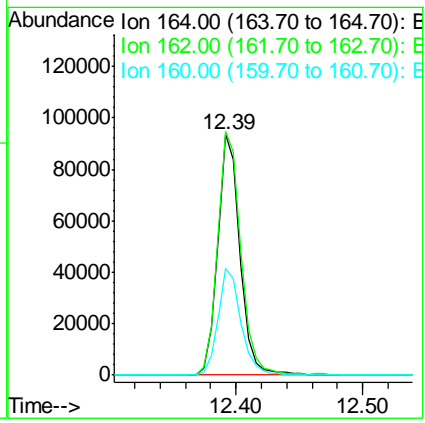
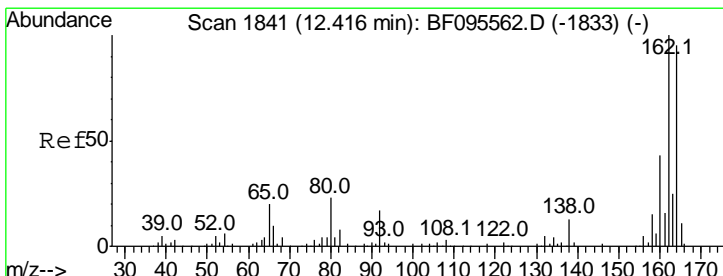
Tgt Ion	Resp	Lower	Upper
142	100		
141	83.7	71.3	106.9
115	30.3	27.1	40.7

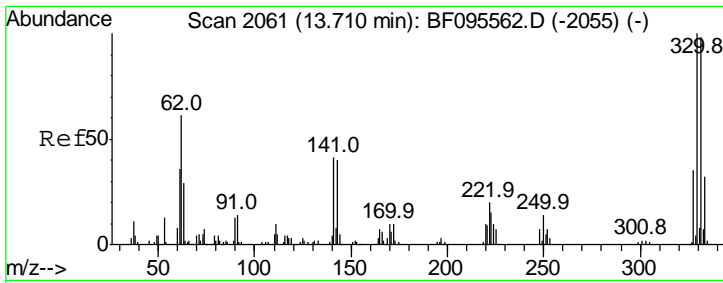
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.39 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

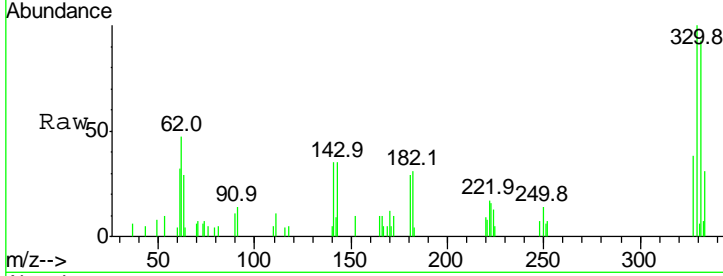
Tgt Ion	Resp	Lower	Upper
164	100		
162	101.1	82.6	123.8
160	44.2	36.2	54.2





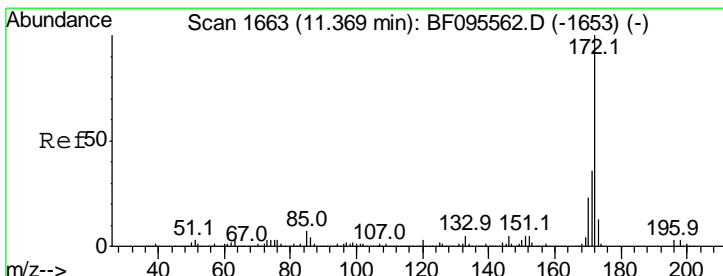
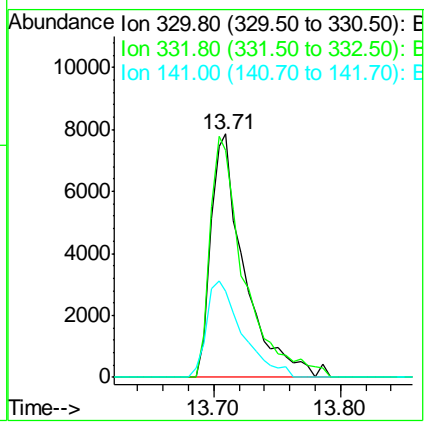
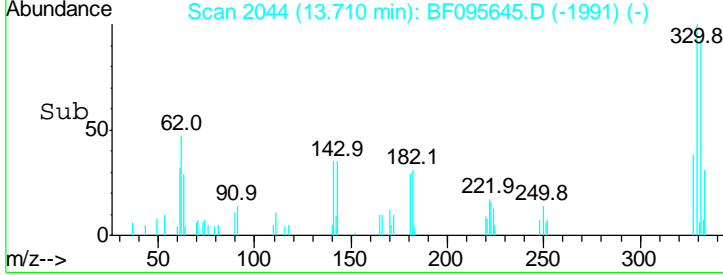
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 2,4,6-Tribromophenol
 Concen: 15.38 ng
 RT: 13.71 min Scan# 2044
 Delta R.T. 0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Instrument :
 BNA_F
 ClientSampleId :
 OR-RO-17273-060117

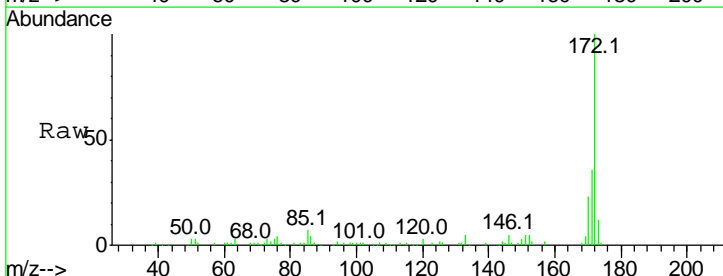


Tgt Ion	Resp	Lower	Upper
330	100		
332	101.1	76.6	115.0
141	41.9	31.4	47.2

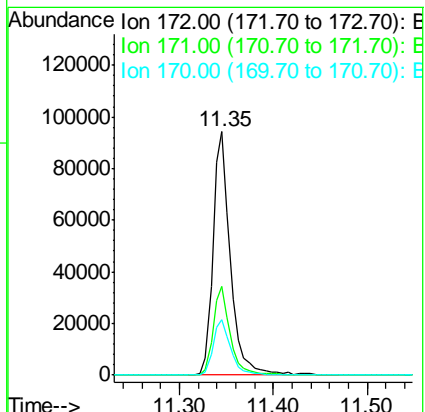
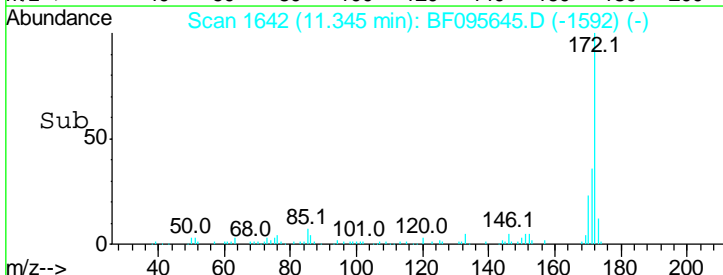
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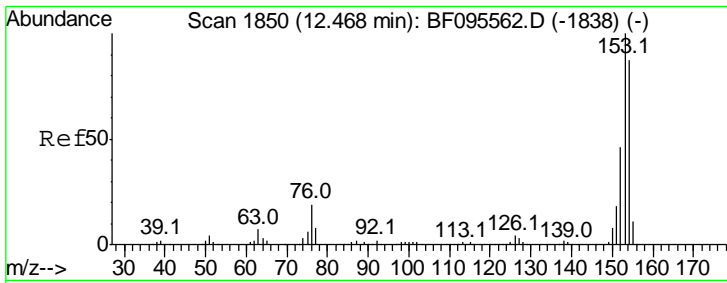


#44
 2-Fluorobiphenyl
 Concen: 15.41 ng
 RT: 11.35 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09



Tgt Ion	Resp	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	22.8	19.8	29.8





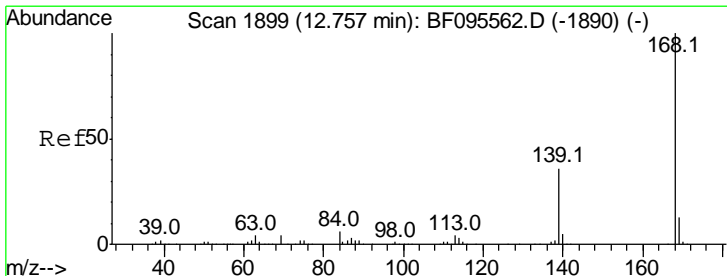
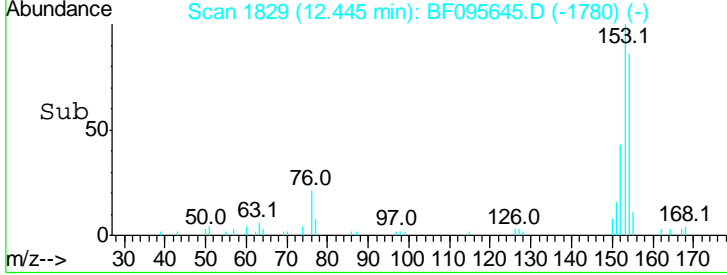
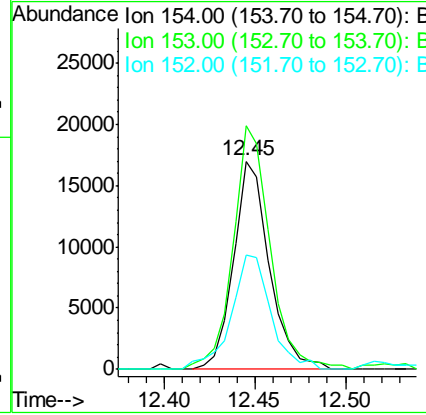
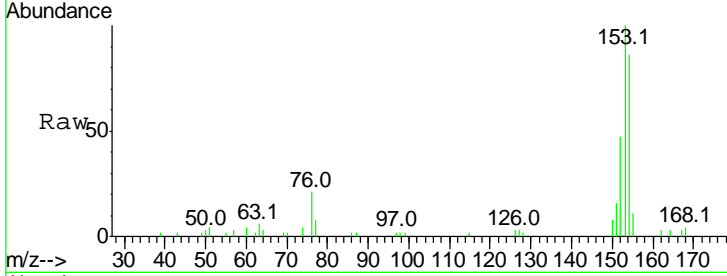
#51
 Acenaphthene
 Concen: 3.20 ng
 RT: 12.45 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Instrument :
 BNA_F
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 OR-RO-17273-060117

Tgt Ion	Resp	Lower	Upper
154	100		
153	116.8	90.5	135.7
152	54.7	43.6	65.4

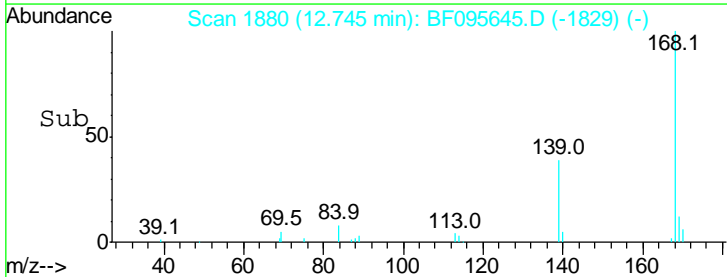
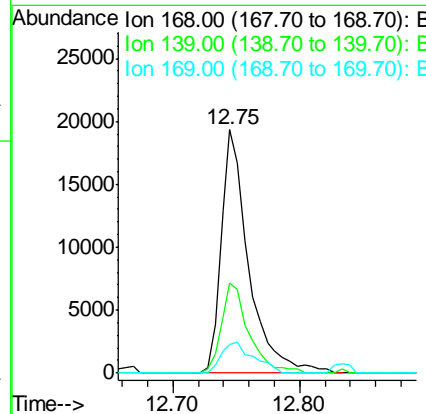
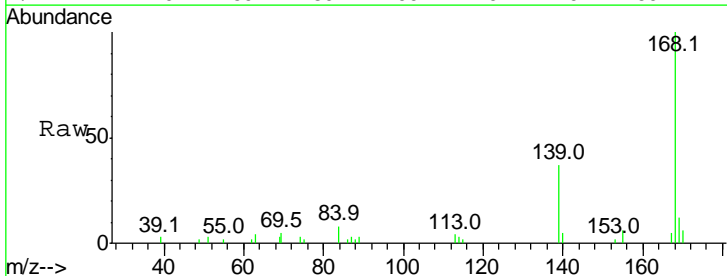
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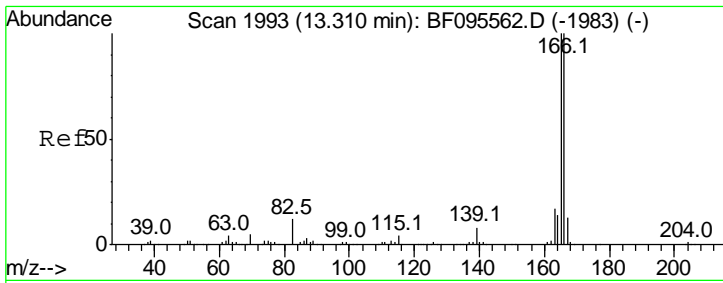
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#54
 Dibenzofuran
 Concen: 2.88 ng
 RT: 12.75 min Scan# 1880
 Delta R.T. 0.00 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Tgt Ion	Resp	Lower	Upper
168	100		
139	37.0	30.6	45.8
169	11.9	10.8	16.2



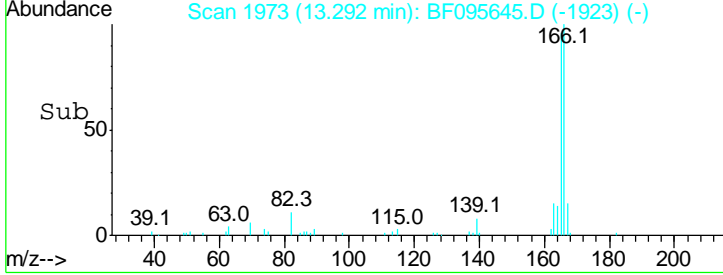
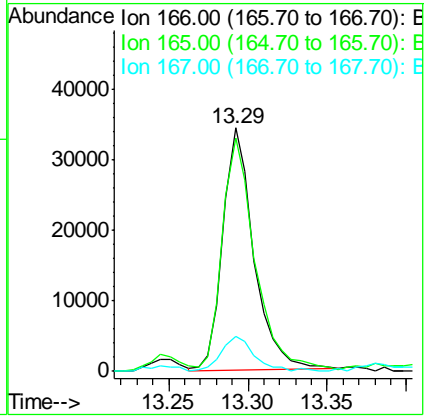
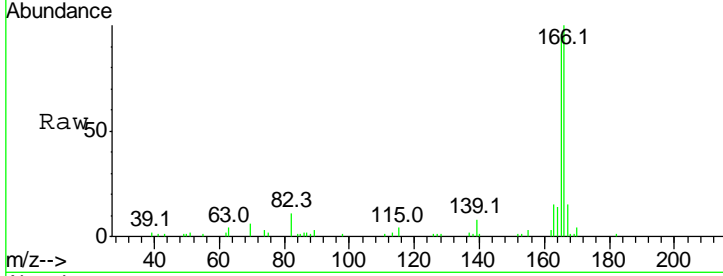


#57
 Fluorene
 Concen: 5.31 ng
 RT: 13.29 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Instrument :
 BNA_F
 ClientSampled :
 OR-RO-17273-060117

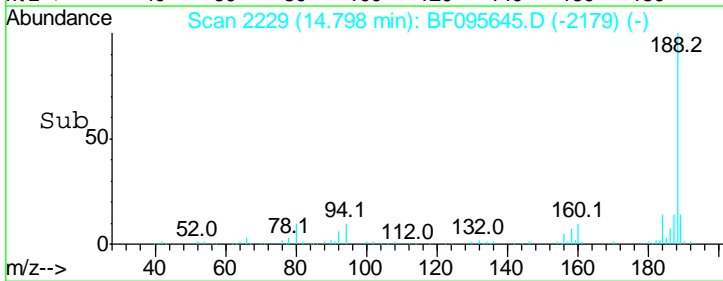
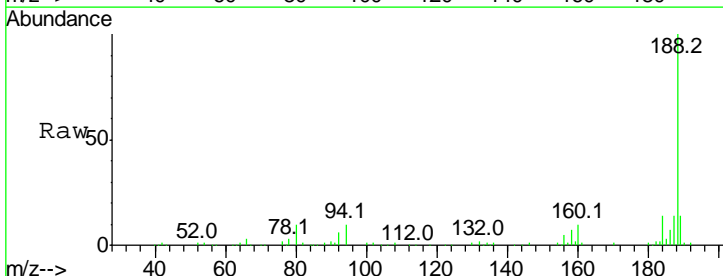
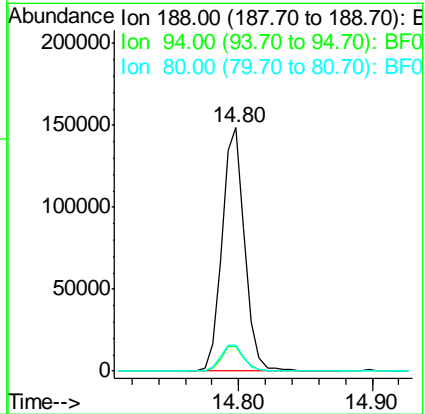
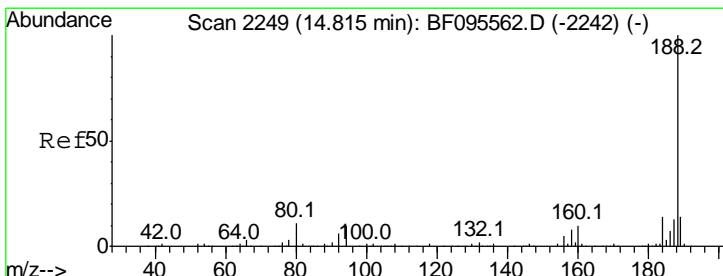
Tgt Ion	Resp	Lower	Upper
166	100		
165	95.8	78.8	118.2
167	14.5	10.6	16.0

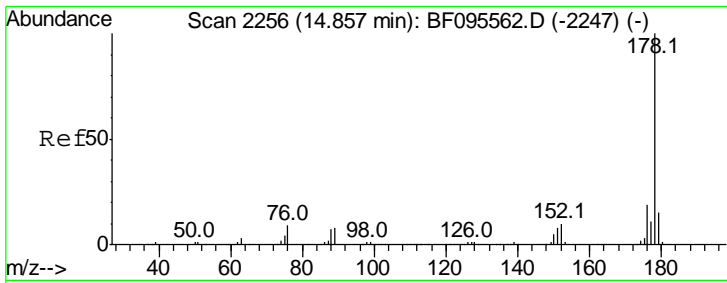
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Tgt Ion	Resp	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	10.5	10.2	15.2



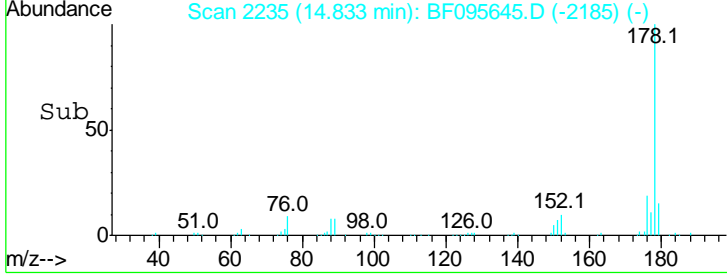
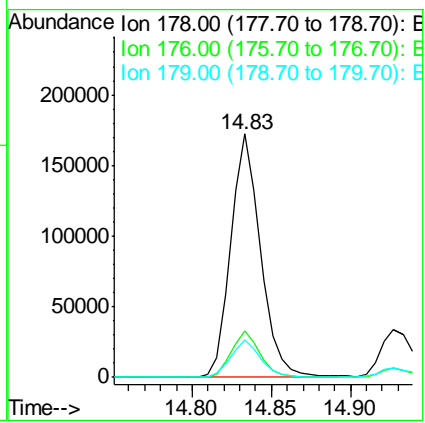
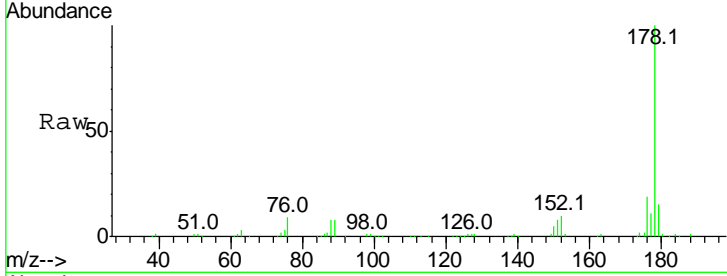


#70
 Phenanthrene
 Concen: 22.08 ng
 RT: 14.83 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Instrument :
 BNA_F
ClientSampled :
 OR-RO-17273-060117

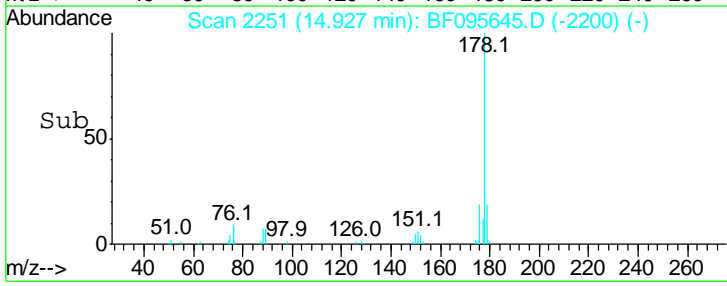
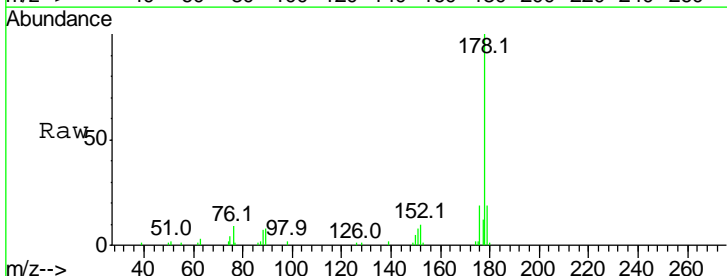
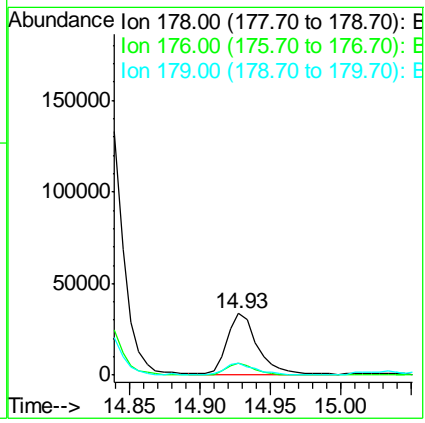
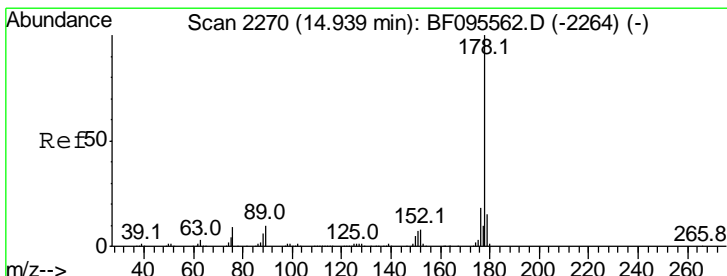
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.2	12.6	19.0

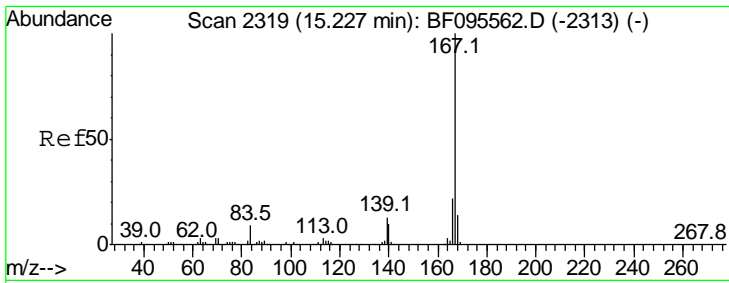
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#71
 Anthracene
 Concen: 4.85 ng
 RT: 14.93 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Tgt Ion	Resp	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	19.0	12.7	19.1





#72
 Carbazole
 Concen: 2.15 ng
 RT: 15.23 min Scan# 2303
 Delta R.T. 0.02 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

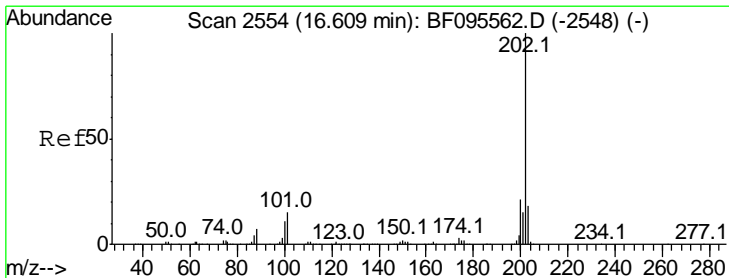
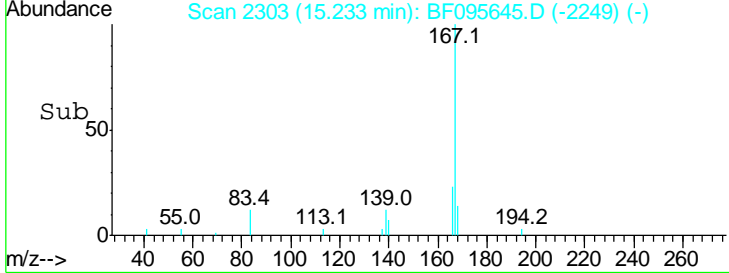
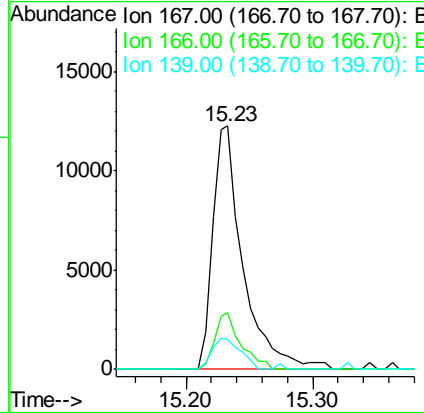
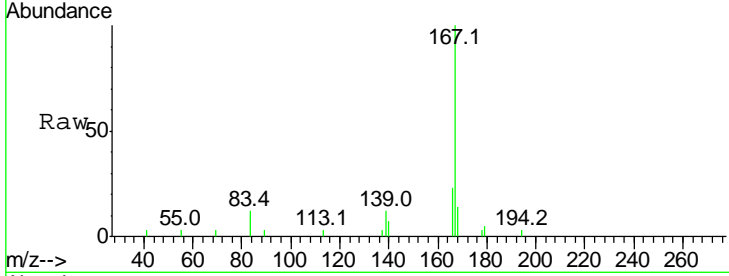
Instrument :
 BNA_F
ClientSampled :
 OR-RO-17273-060117

Tgt Ion: 167 Resp: 20362

Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.1	27.1
139	12.4	11.7	17.5

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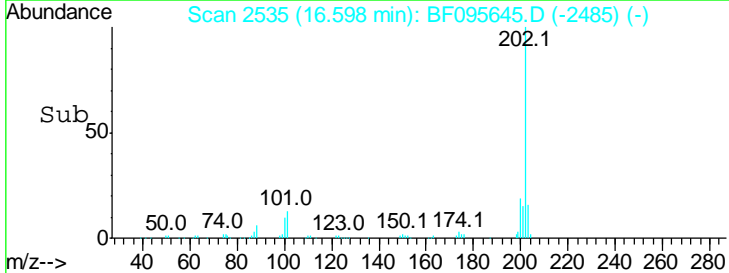
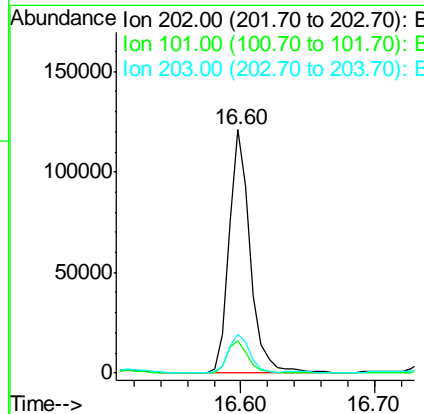
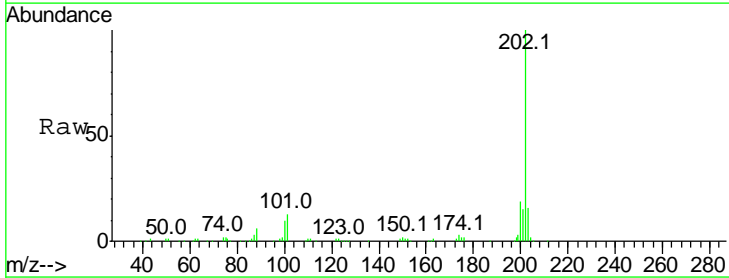
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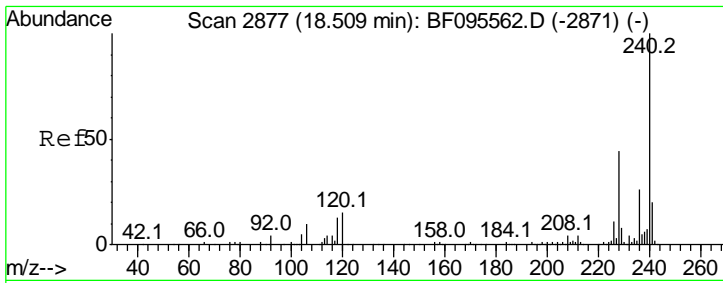


#74
 Fluoranthene
 Concen: 12.92 ng
 RT: 16.60 min Scan# 2535
 Delta R.T. -0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Tgt Ion: 202 Resp: 134719

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	16.1	0.0	38.1



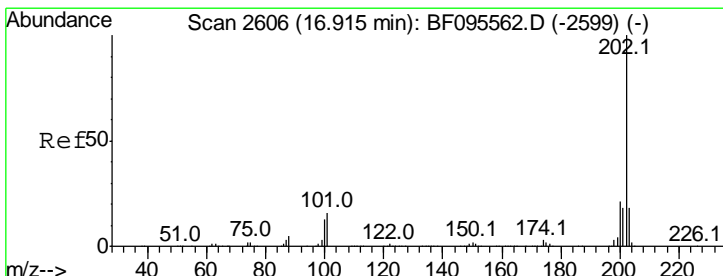
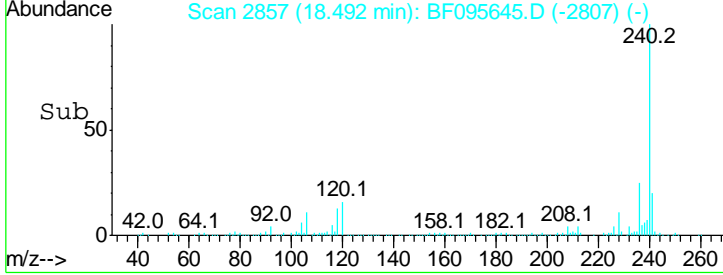
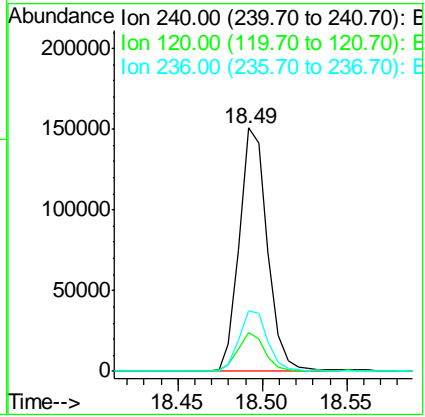
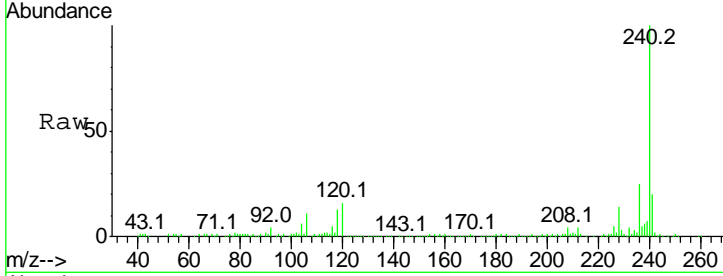


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.49 min Scan# 2857
 Delta R.T. -0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Instrument :
 BNA_F
ClientSampled :
 OR-RO-17273-060117

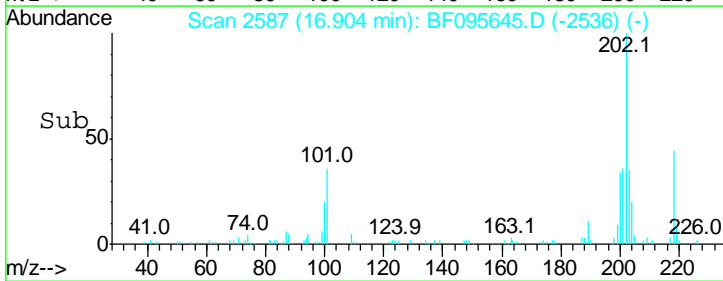
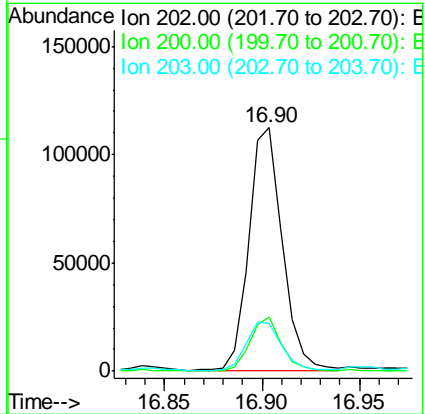
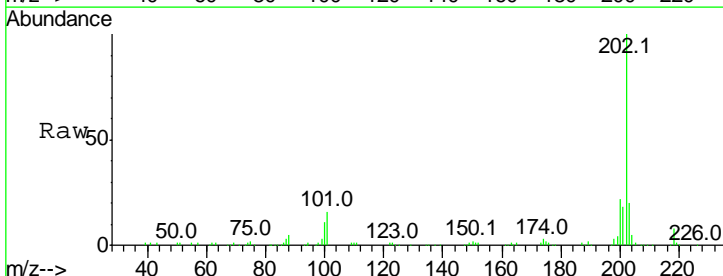
Tgt Ion	Resp	Lower	Upper
240	100		
120	15.8	5.8	8.8#
236	25.1	20.5	30.7

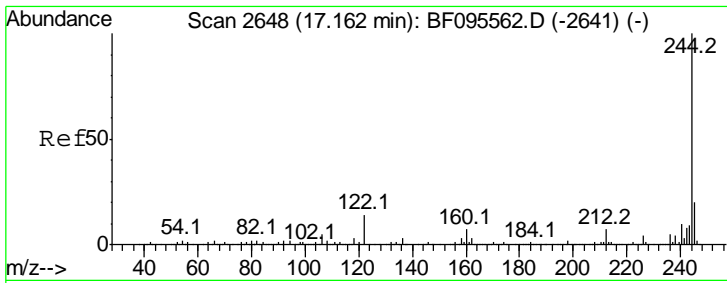
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#77
 Pyrene
 Concen: 10.18 ng
 RT: 16.90 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

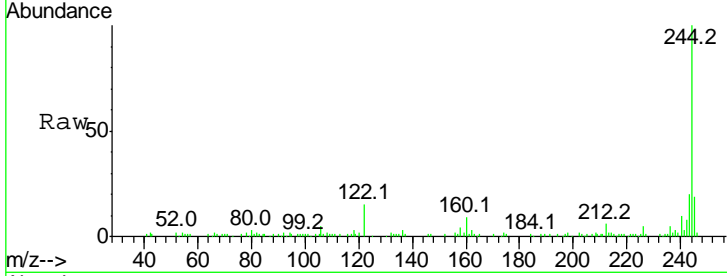
Tgt Ion	Resp	Lower	Upper
202	100		
200	22.4	17.6	26.4
203	19.6	14.4	21.6





#78
 Terphenyl-d14
 Concen: 10.85 ng
 RT: 17.14 min Scan# 2627
 Delta R.T. -0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

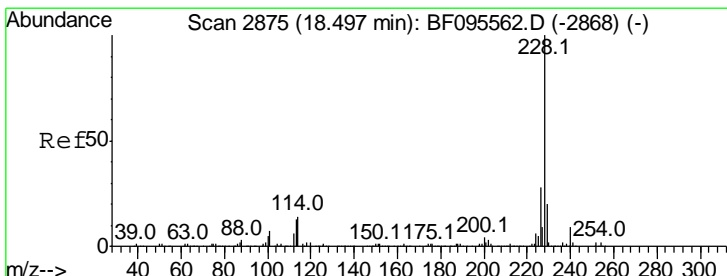
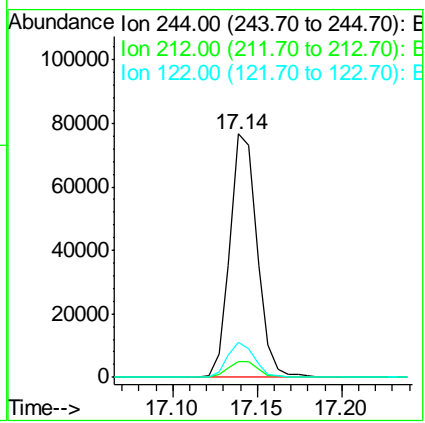
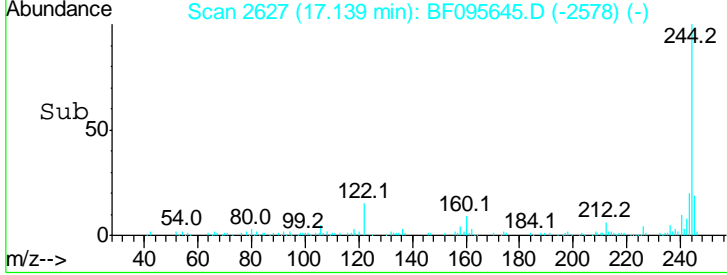
Instrument :
 BNA_F
ClientSampled :
 OR-RO-17273-060117



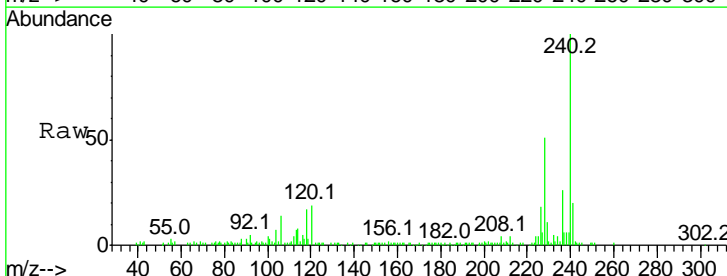
Tgt Ion: 244 Resp: 85908

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	14.6	10.3	15.5

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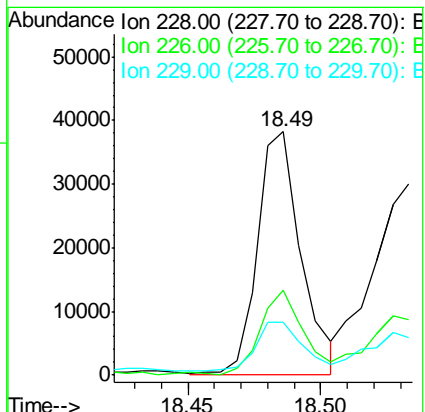
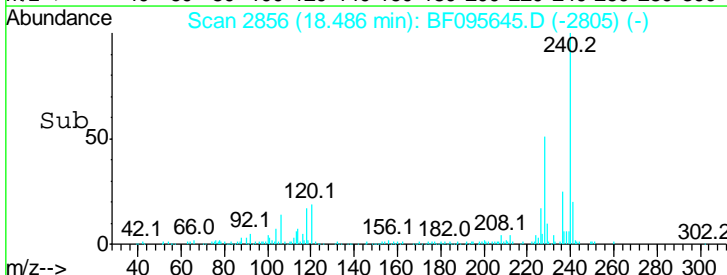


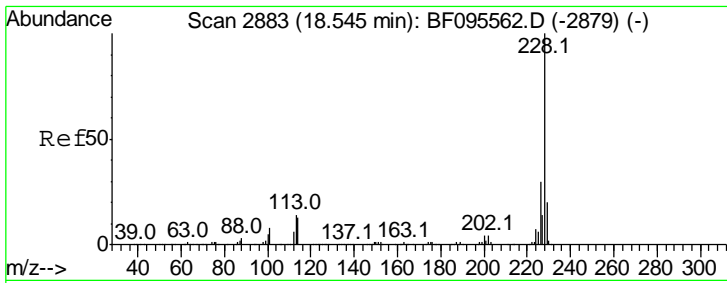
#80
 Benzo(a)anthracene
 Concen: 4.28 ng m
 RT: 18.49 min Scan# 2856
 Delta R.T. 0.00 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09



Tgt Ion: 228 Resp: 43489

Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.6	33.8#
229	21.7	16.3	24.5



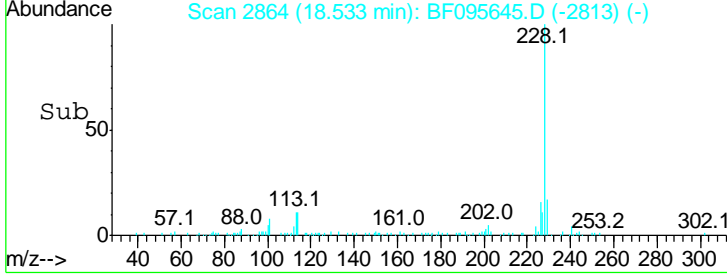
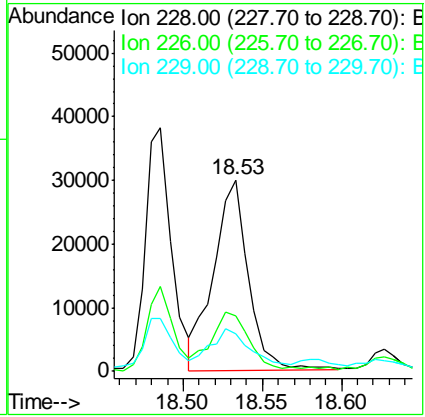
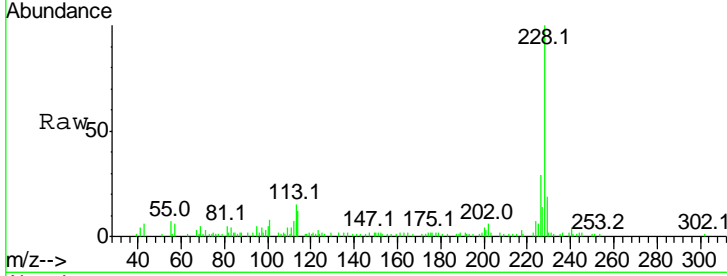


#82
 Chrysene
 Concen: 4.65 ng
 RT: 18.53 min Scan# 2864
 Delta R.T. 0.00 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Instrument :
 BNA_F
 ClientSampled :
 OR-RO-17273-060117

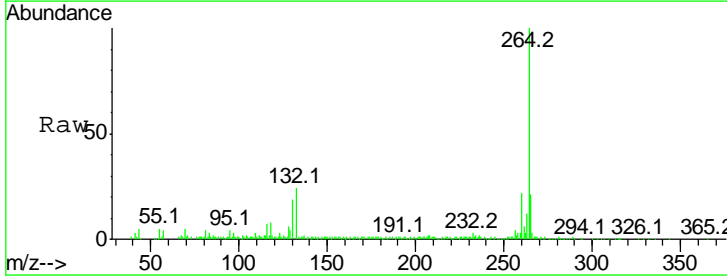
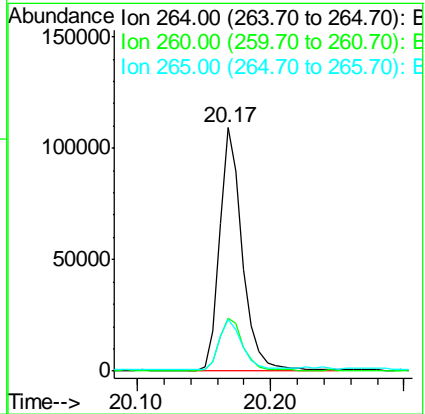
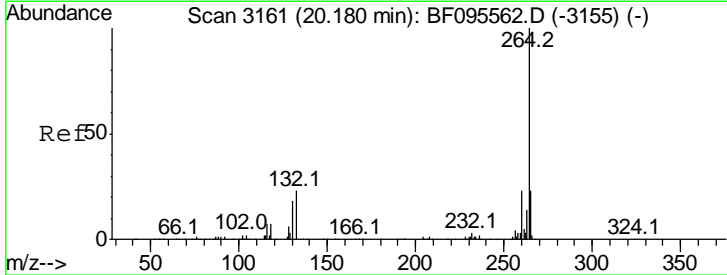
Tgt Ion	Resp	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	19.3	15.8	23.6

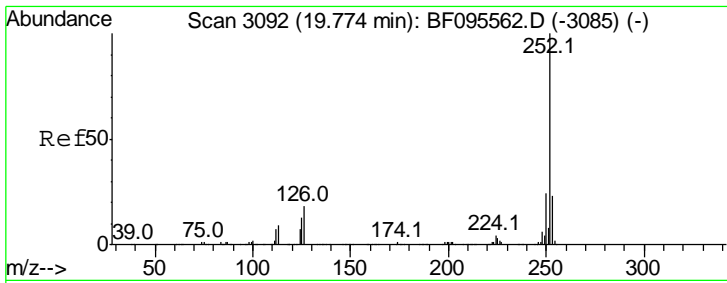
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.17 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

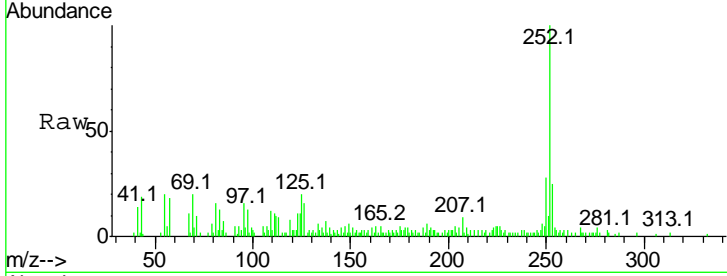
Tgt Ion	Resp	Lower	Upper
264	100		
260	21.6	19.5	29.3
265	21.1	17.2	25.8





#87
 Benzo(b)fluoranthene
 Concen: 3.65 ng m
 RT: 19.77 min Scan# 3075
 Delta R.T. 0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

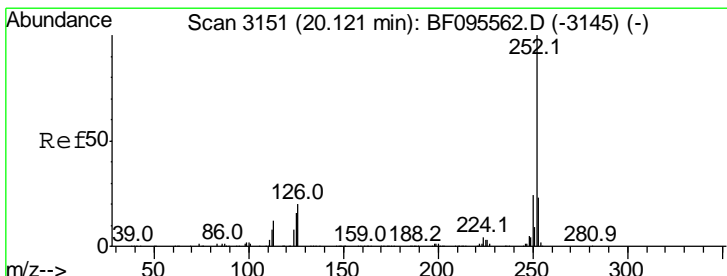
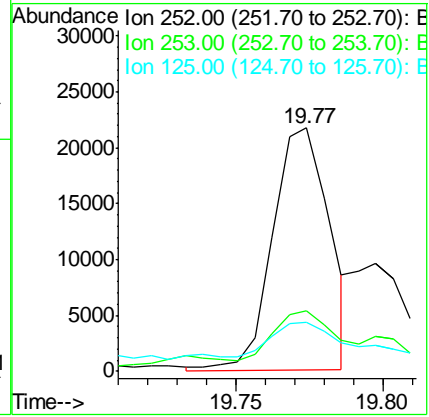
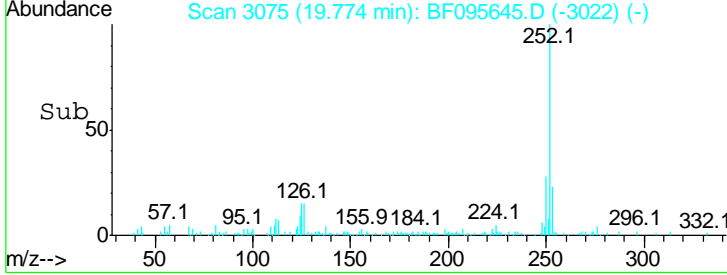
Instrument :
 BNA_F
 ClientSampled :
 OR-RO-17273-060117



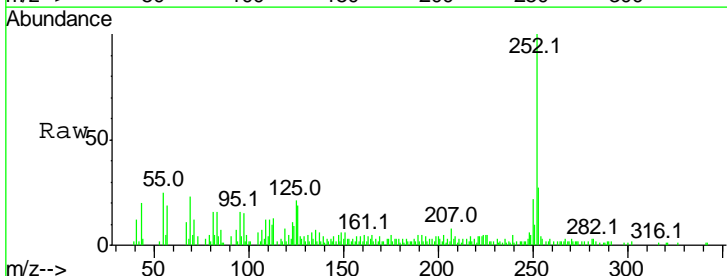
Tgt Ion: 252 Resp: 29194

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	19.9	9.8	14.8#

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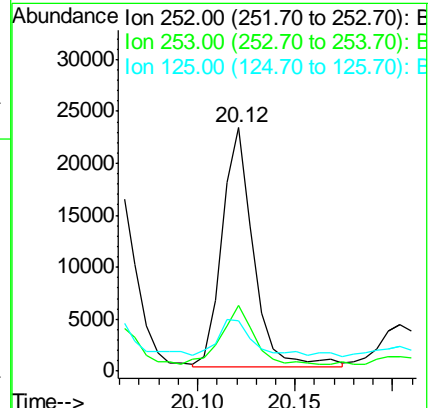
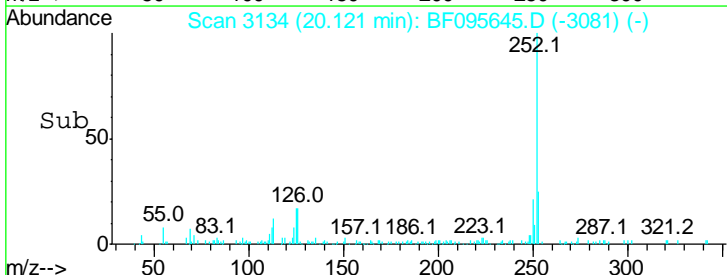


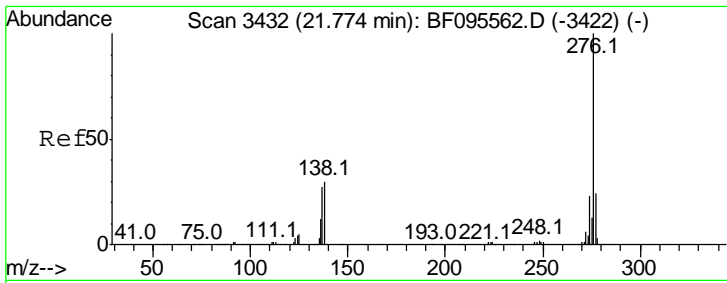
#89
 Benzo(a)pyrene
 Concen: 3.44 ng
 RT: 20.12 min Scan# 3134
 Delta R.T. 0.01 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09



Tgt Ion: 252 Resp: 25443

Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.5	26.3#
125	20.8	11.0	16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.40 ng
 RT: 21.79 min Scan# 3418
 Delta R.T. 0.04 min
 Lab File: BF095645.D
 Acq: 2 Jun 2017 21:09

Instrument :
 BNA_F
ClientSampled :
 OR-RO-17273-060117

Tot Ion	Resp	Lower	Upper
276	100		
277	30.5	18.6	28.0#
138	36.7	25.4	38.0

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