

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095651.D
 Acq On : 3 Jun 2017 00:22
 Operator : SJ/MA
 Sample : I3441-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-RO-5004-060117

Manual Integrations
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mohammad
 6/6/2017 8:49:21 AM

Quant Time: Jun 05 05:14:24 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	82569	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	316231	20.00	ng	0.00
38) Acenaphthene-d10	12.40	164	121886	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	186960	20.00	ng	0.00
75) Chrysene-d12	18.50	240	170376	20.00	ng	0.00
86) Perylene-d12	20.17	264	120323	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	69217	13.98	ng	0.04
7) Phenol-d6	7.13	99	103656	17.44	ng	0.03
23) Nitrobenzene-d5	8.47	82	57276	11.42	ng	0.00
41) 2,4,6-Tribromophenol	13.71	330	15277	15.30	ng	0.01
44) 2-Fluorobiphenyl	11.35	172	129537	15.30	ng	0.00
78) Terphenyl-d14	17.14	244	88822	11.48	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.60	128	39369	2.48	ng	95
37) 2-Methylnaphthalene	10.74	142	25023	2.40	ng	96
57) Fluorene	13.30	166	28929	3.10	ng	95
70) Phenanthrene	14.84	178	156790	14.60	ng	97
71) Anthracene	14.93	178	41672	3.80	ng	94
74) Fluoranthene	16.60	202	149590	13.58	ng	98
77) Pyrene	16.90	202	156044	12.25	ng	97
80) Benzo(a)anthracene	18.49	228	58506m	5.90	ng	
82) Chrysene	18.53	228	57682m	6.02	ng	
85) Indeno(1,2,3-cd)pyrene	21.43	276	19413	2.49	ng	94
87) Benzo(b)fluoranthene	19.77	252	50071m	6.73	ng	
88) Benzo(k)fluoranthene	19.80	252	15230m	2.12	ng	
89) Benzo(a)pyrene	20.12	252	35507	5.18	ng	# 91
91) Benzo(a,h,i)perylene	21.80	276	20247	3.64	ng	# 94

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

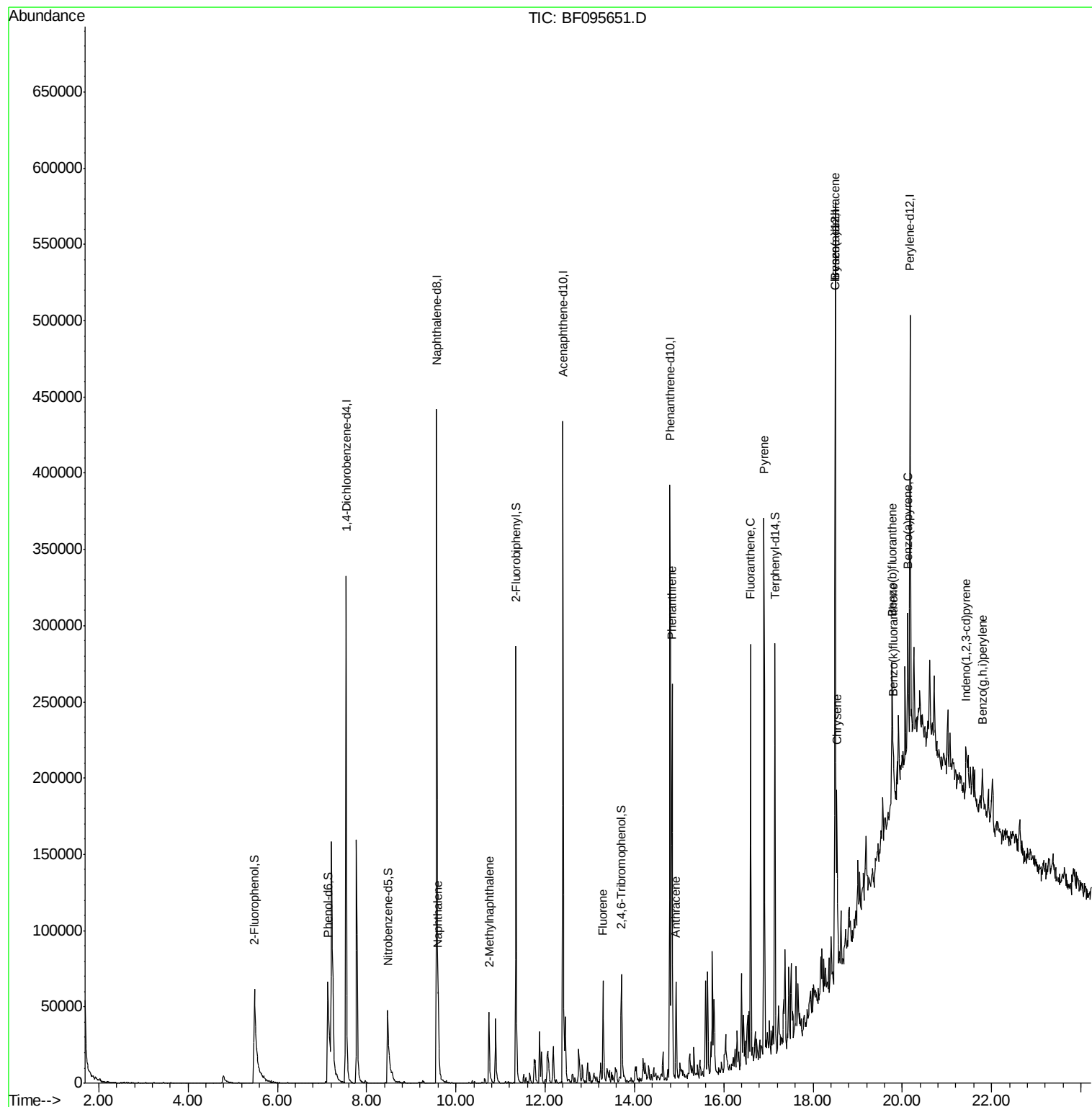
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
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ALS Vial : 21 Sample Multiplier: 1

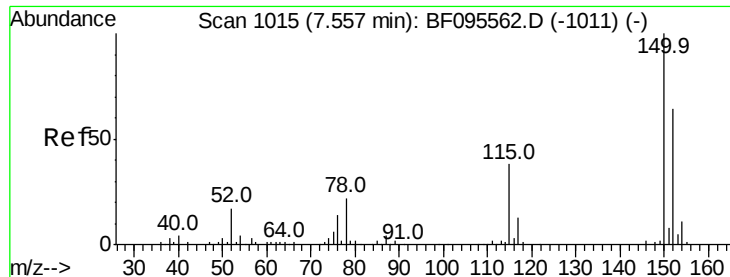
Instrument :
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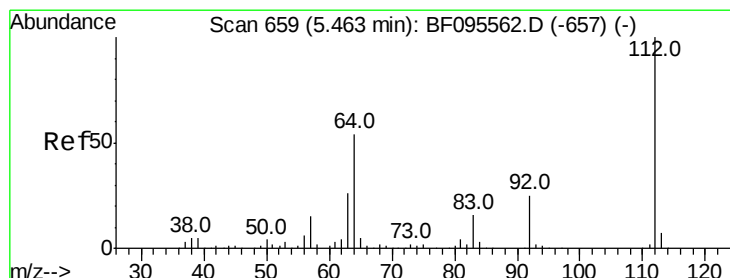
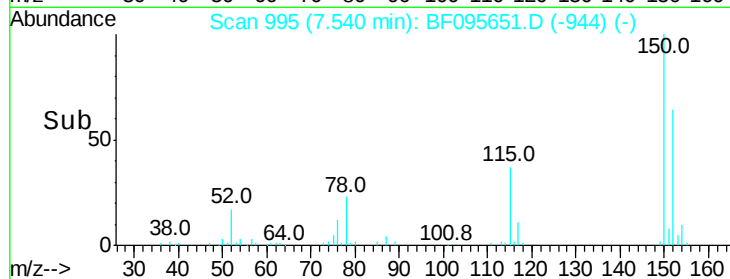
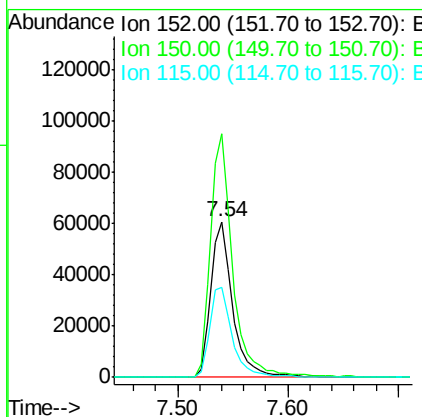
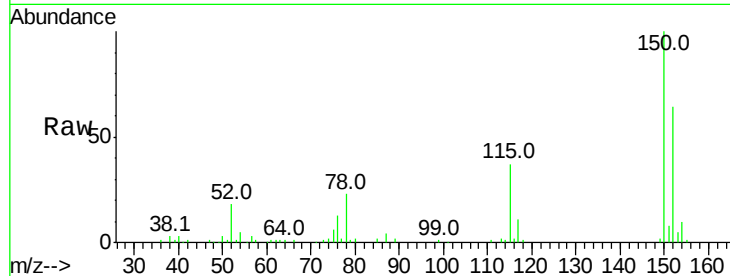
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.54 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: BF095651.D
 Acq: 3 Jun 2017 00:22

Instrument :
 BNA_F
 ClientSampleId :
 OR-RO-5004-060117

Tot Ion:	152	Resp:	82569
Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.2	189.2
115	57.7	52.2	78.2

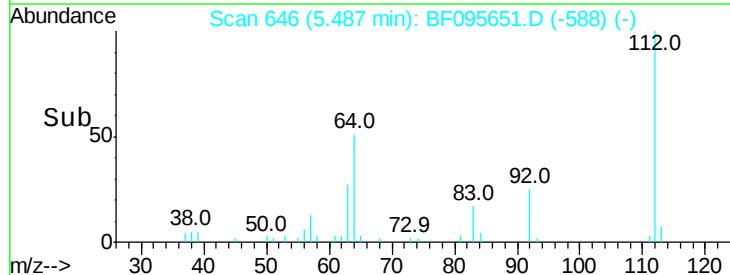
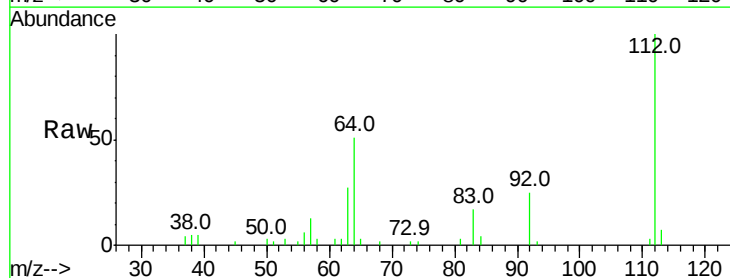
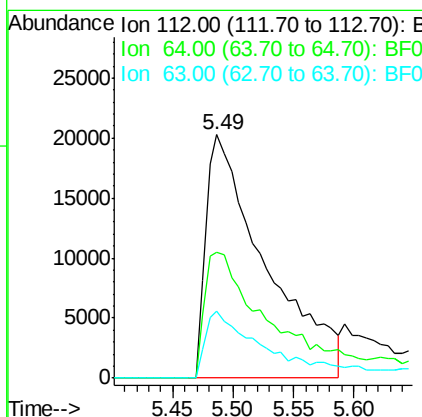
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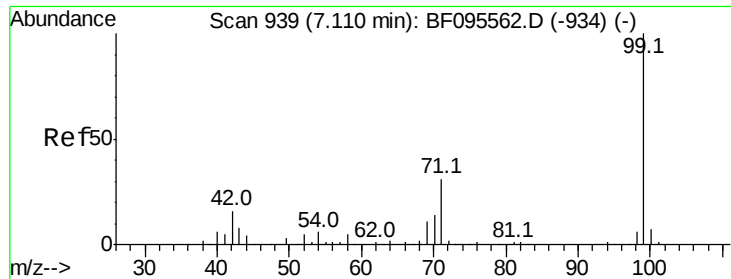
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#5
 2-Fluorophenol
 Concen: 13.98 ng
 RT: 5.49 min Scan# 646
 Delta R.T. 0.04 min
 Lab File: BF095651.D
 Acq: 3 Jun 2017 00:22

Tgt Ion:	112	Resp:	69217
Ion	Ratio	Lower	Upper
112	100		
64	51.5	46.0	69.0
63	27.3	23.4	35.0





#7

Phenol-d6

Concen: 17.44 ng

RT: 7.13 min Scan# 925

Delta R.T. 0.03 min

Lab File: BF095651.D

Acq: 3 Jun 2017 00:22

Instrument :

BNA_F

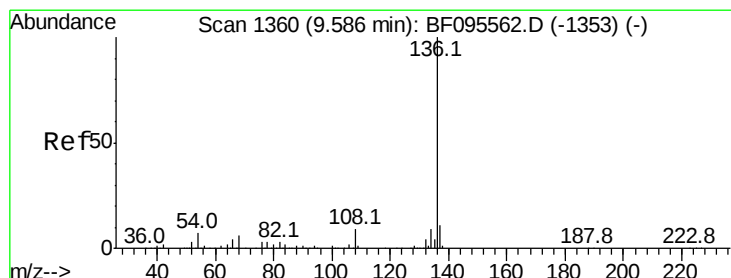
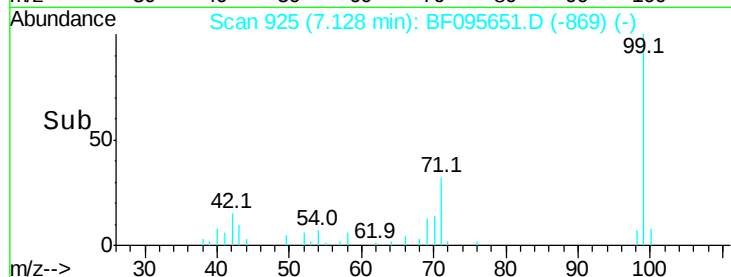
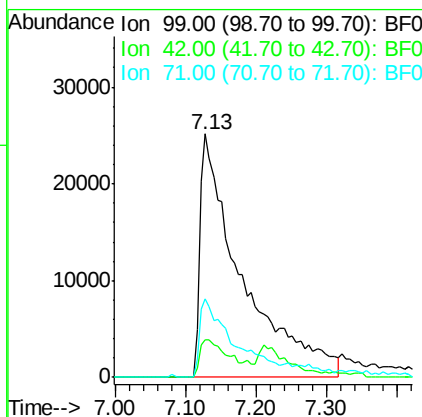
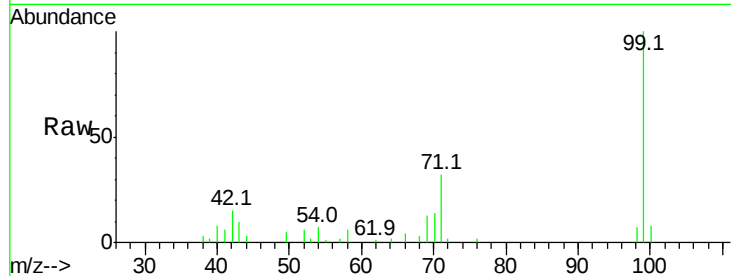
ClientSampleId :

OR-RO-5004-060117

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		103656		
42	15.5	13.5	20.3		
71	32.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

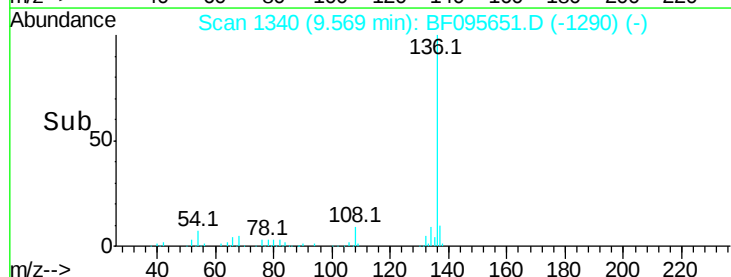
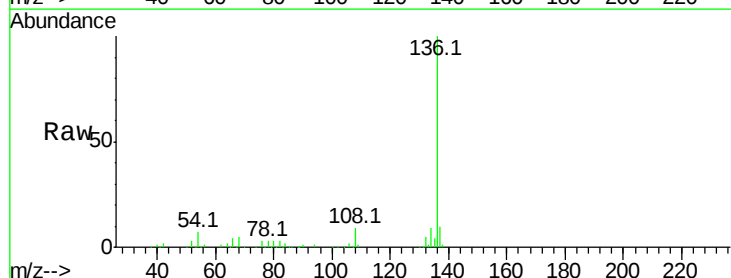
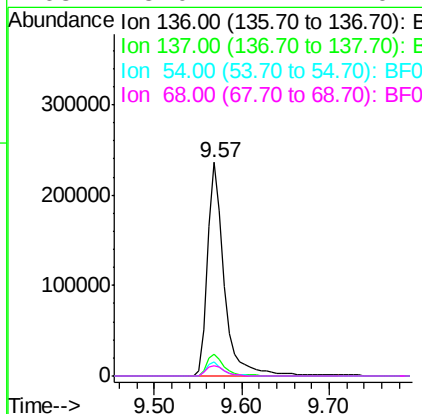
RT: 9.57 min Scan# 1340

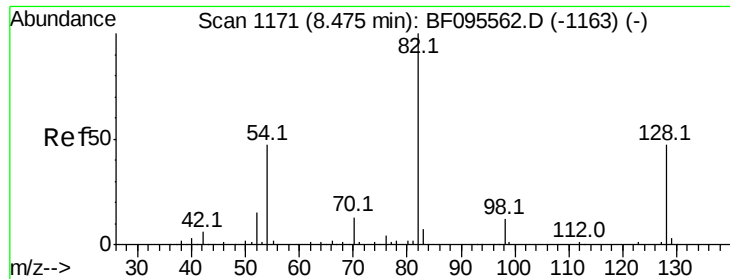
Delta R.T. -0.01 min

Lab File: BF095651.D

Acq: 3 Jun 2017 00:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		316231		
137	10.1	8.5	12.7		
54	6.5	4.9	7.3		
68	5.0	4.1	6.1		





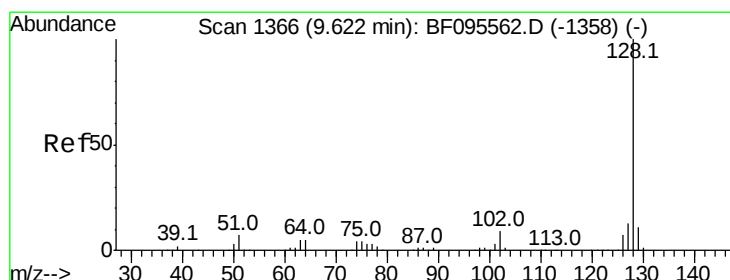
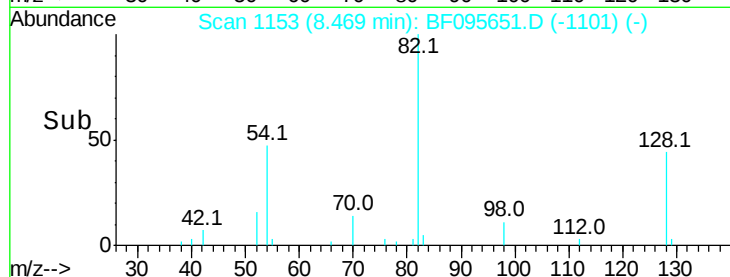
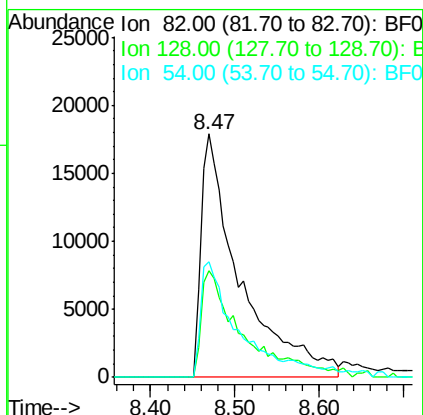
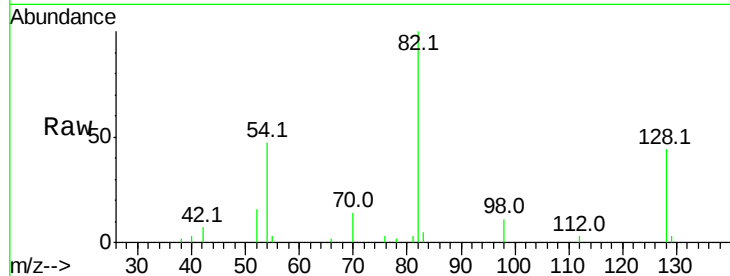
#23
Nitrobenzene-d5
Concen: 11.42 ng
RT: 8.47 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Instrument :
BNA_F
ClientSampleId :
OR-RO-5004-060117

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.0	51.0
54	47.4	42.2	63.2

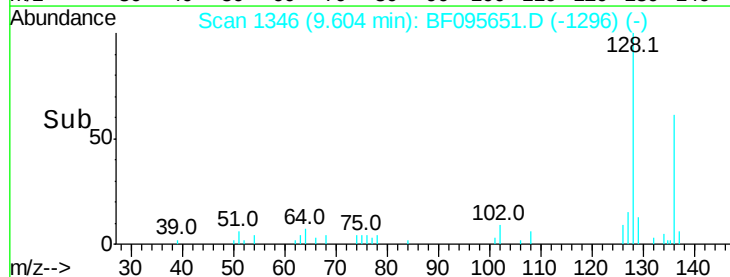
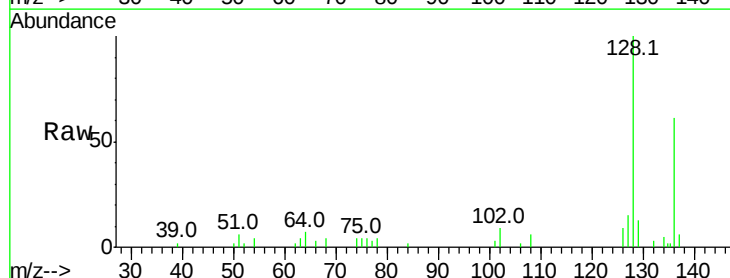
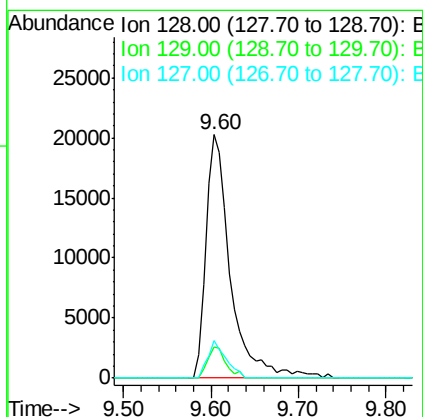
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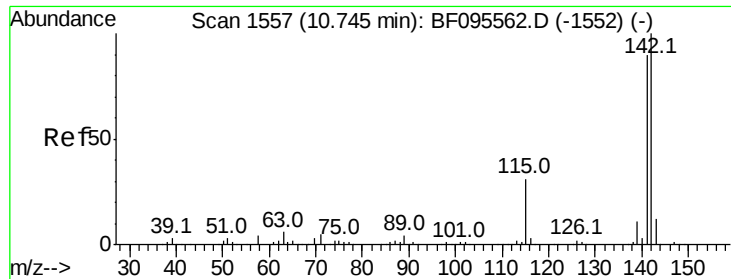
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#31
Naphthalene
Concen: 2.48 ng
RT: 9.60 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.0	9.0	13.6
127	15.5	10.8	16.2





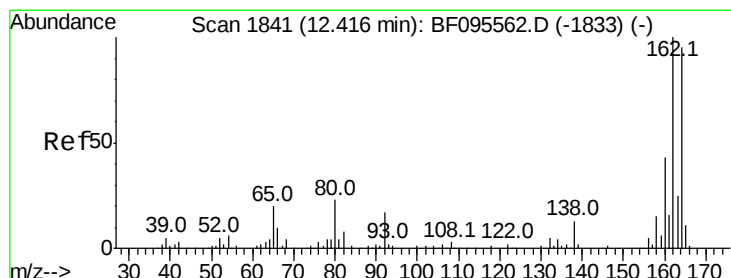
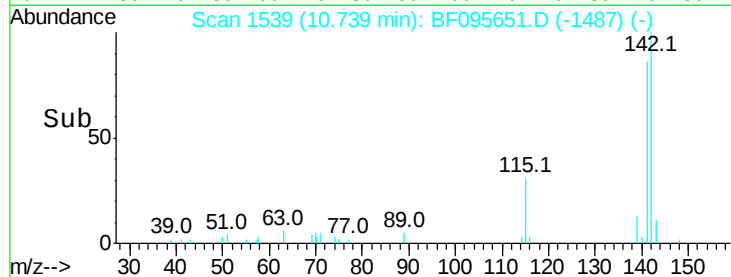
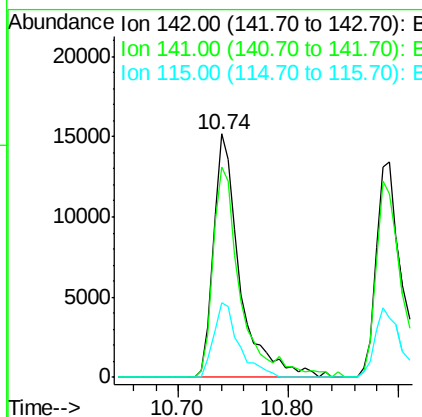
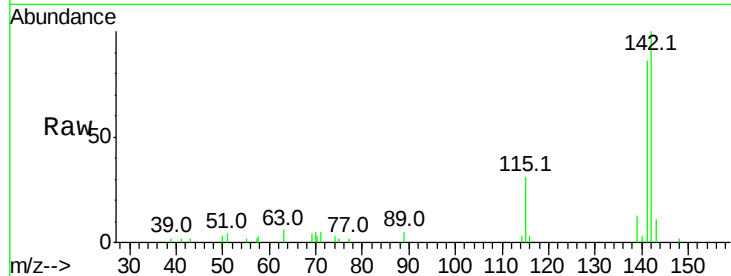
#37
2-Methylnaphthalene
Concen: 2.40 ng
RT: 10.74 min Scan# 1539
Delta R.T. 0.01 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Instrument :
BNA_F
ClientSampleId :
OR-RO-5004-060117

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.4	71.3	106.9
115	30.6	27.1	40.7

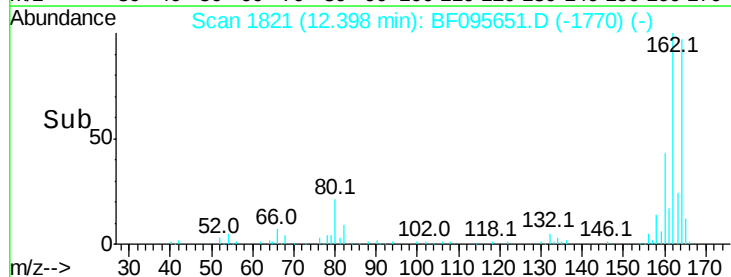
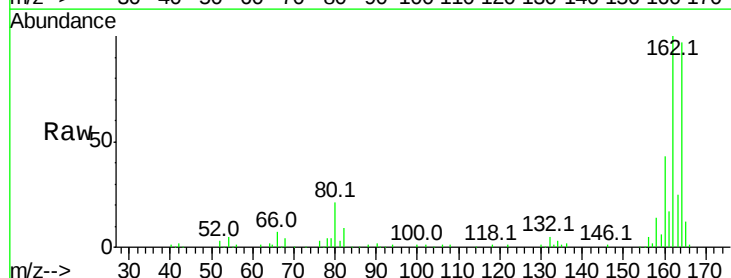
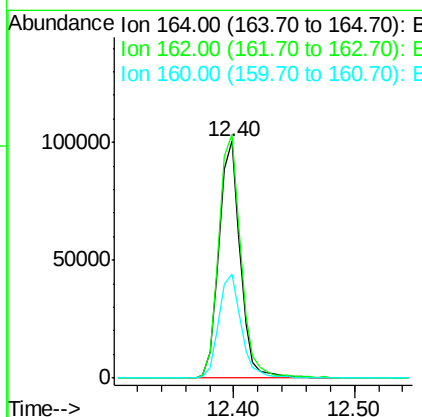
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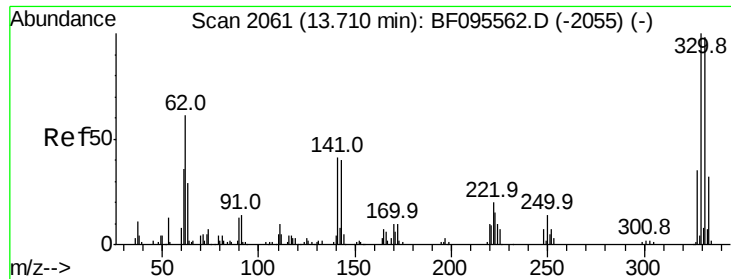
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.40 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.6	123.8
160	44.1	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 15.30 ng

RT: 13.71 min Scan# 2044

Delta R.T. 0.01 min

Lab File: BF095651.D

Acq: 3 Jun 2017 00:22

Instrument :

BNA_F

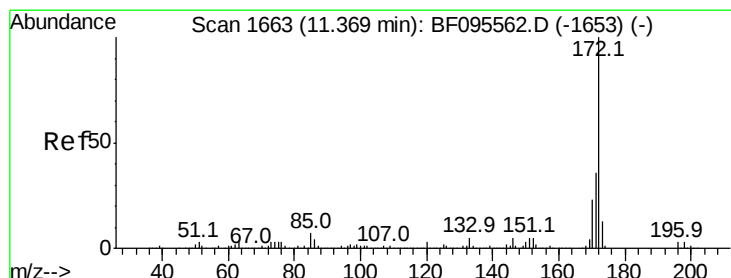
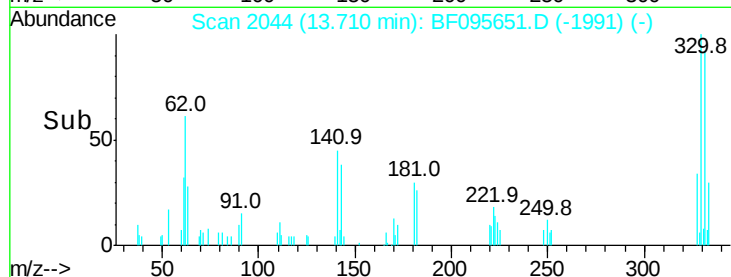
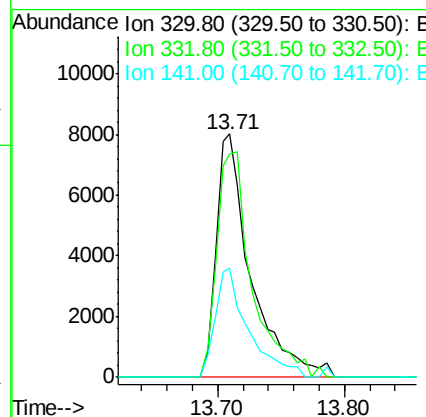
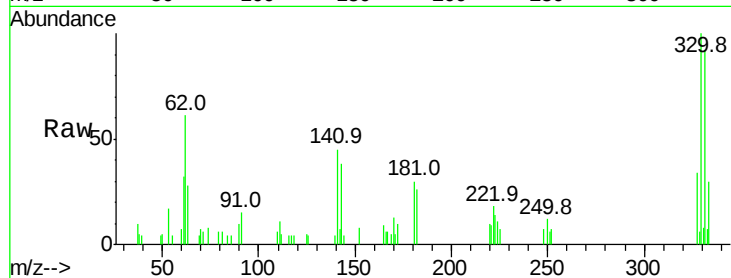
ClientSampleId :

OR-RO-5004-060117

Tot Ion:	330	Resp:	15277
Ion Ratio	Lower	Upper	
330	100		
332	94.8	76.6	115.0
141	42.7	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 15.30 ng

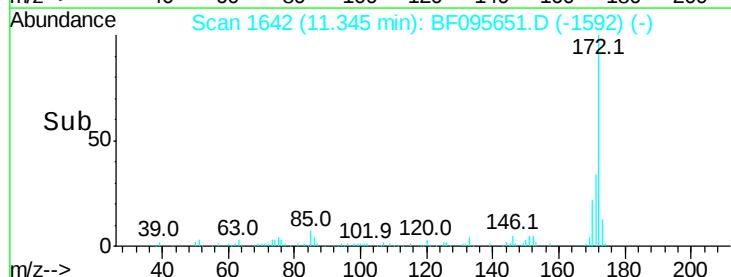
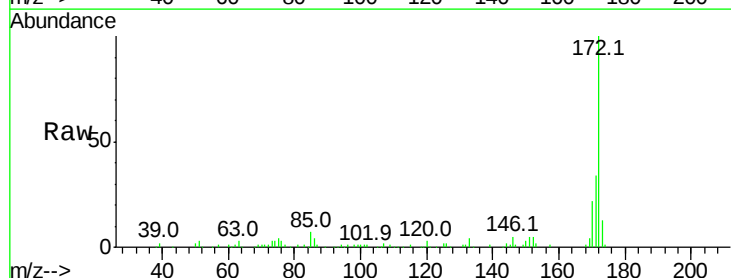
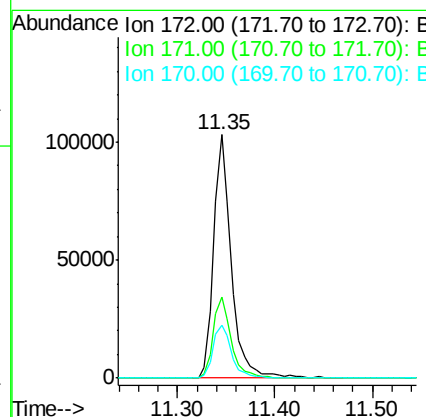
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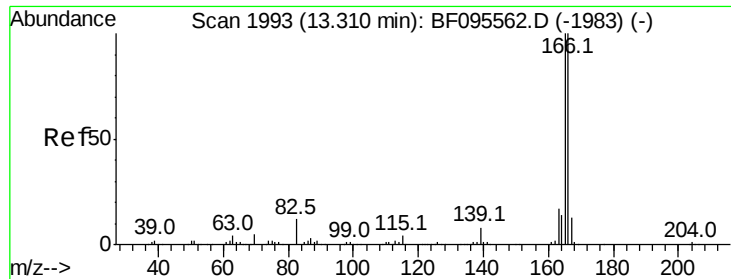
Delta R.T. -0.01 min

Lab File: BF095651.D

Acq: 3 Jun 2017 00:22

Tgt Ion:	172	Resp:	129537
Ion Ratio	Lower	Upper	
172	100		
171	33.5	29.6	44.4
170	21.9	19.8	29.8





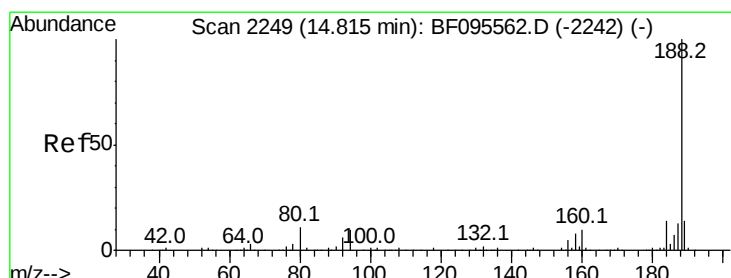
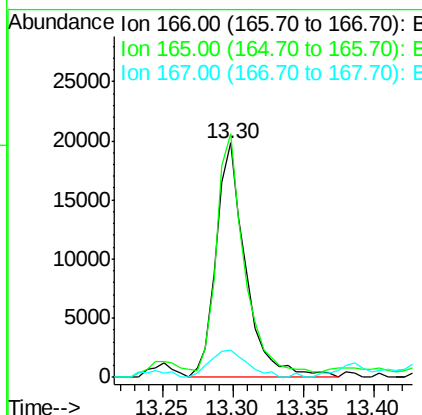
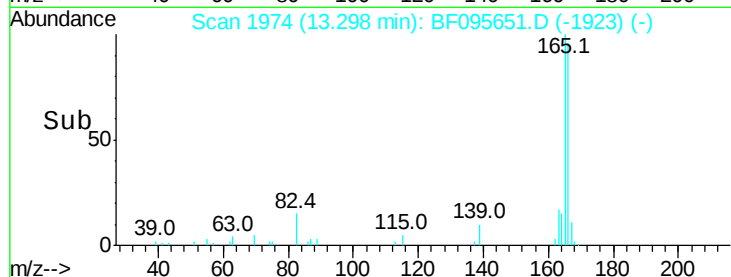
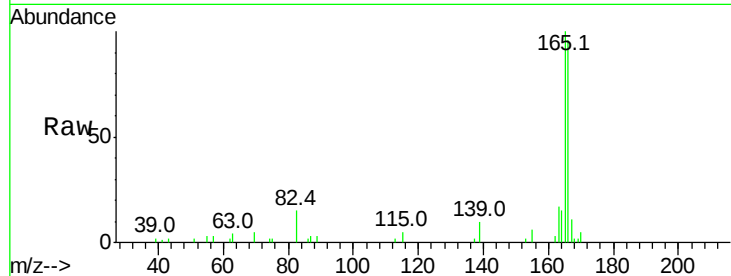
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 Fluorene
 Concen: 3.10 ng
 RT: 13.30 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: BF095651.D
 Acq: 3 Jun 2017 00:22

Instrument :
 BNA_F
 ClientSampleId :
 OR-RO-5004-060117

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.9	78.8	118.2
167	11.5	10.6	16.0

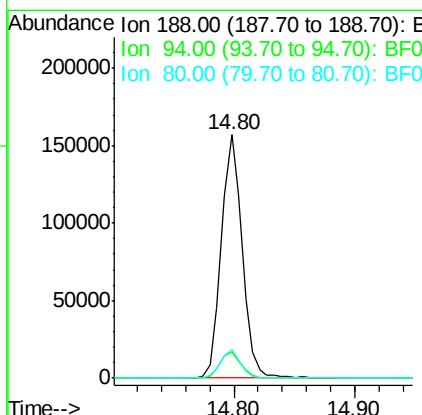
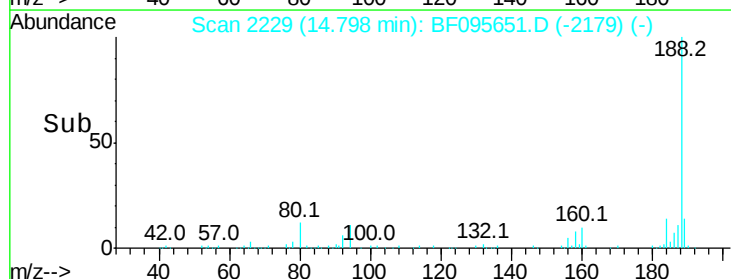
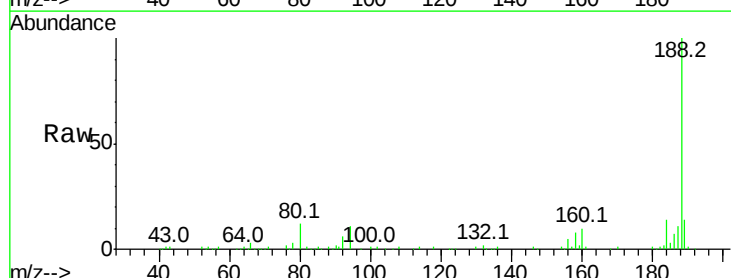
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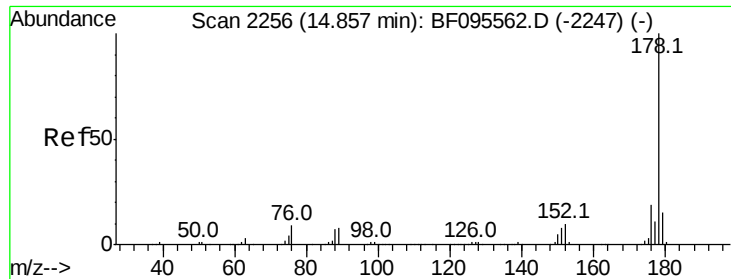
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BF095651.D
 Acq: 3 Jun 2017 00:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	11.6	10.2	15.2





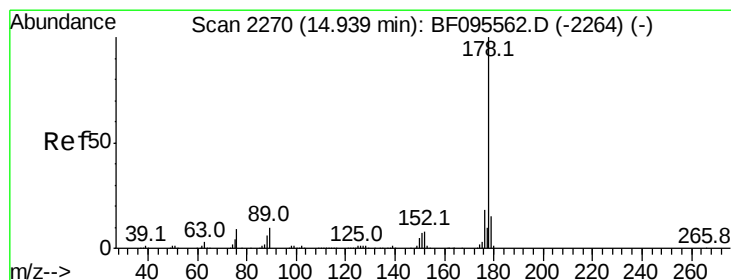
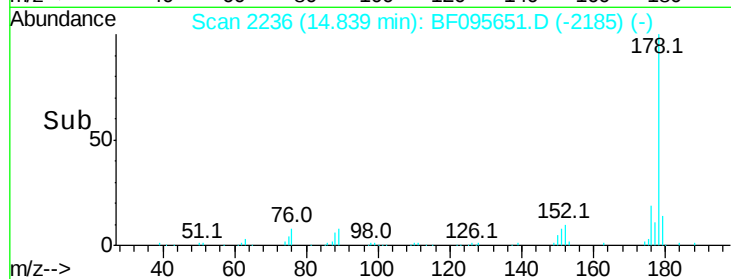
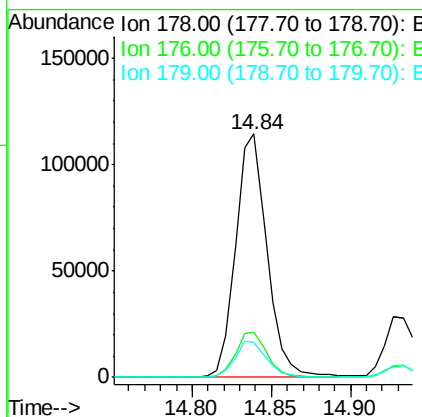
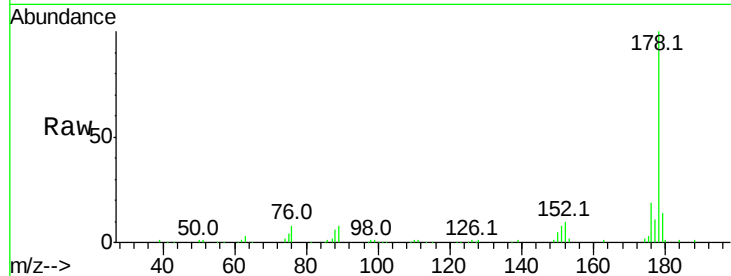
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Phenanthrene
Concen: 14.60 ng
RT: 14.84 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Instrument :
BNA_F
ClientSampleId :
OR-RO-5004-060117

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	14.5	12.6	19.0

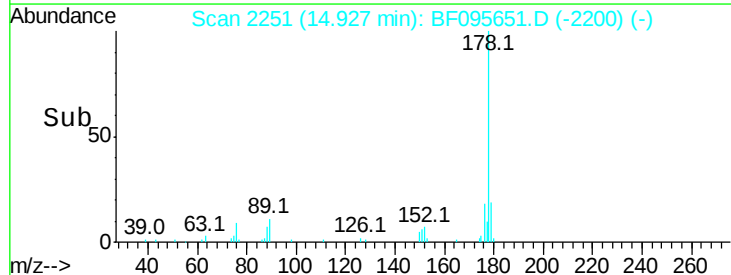
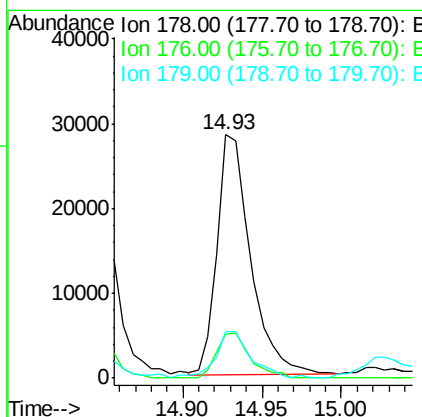
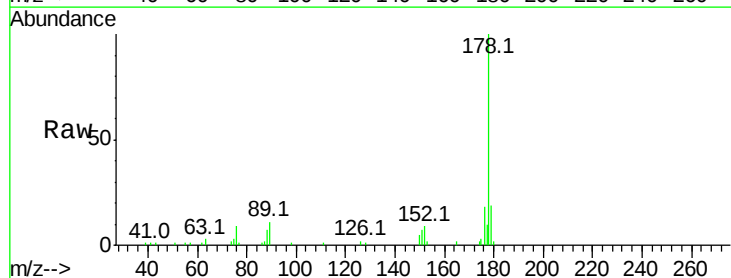
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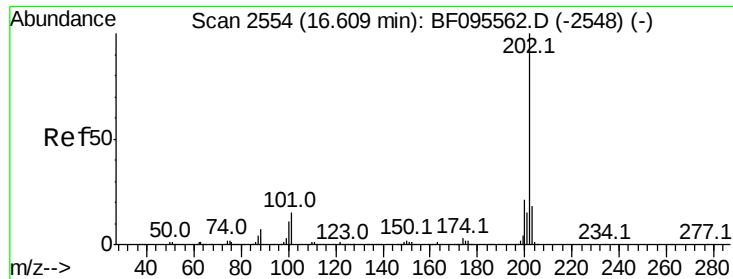
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#71
Anthracene
Concen: 3.80 ng
RT: 14.93 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	18.9	12.7	19.1





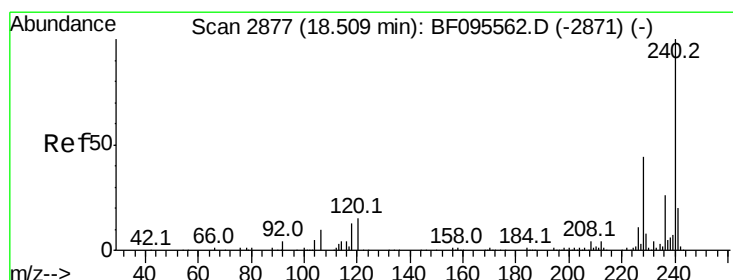
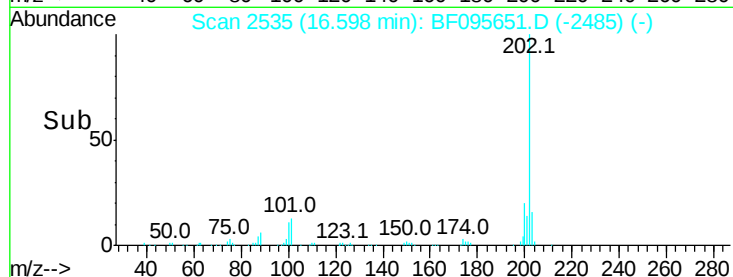
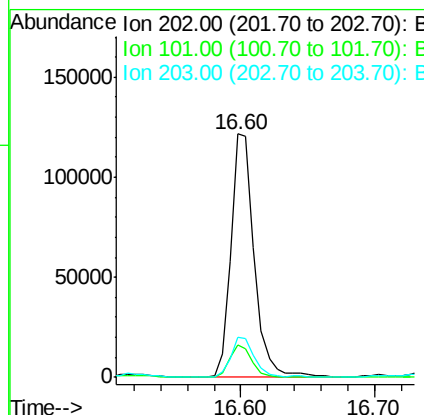
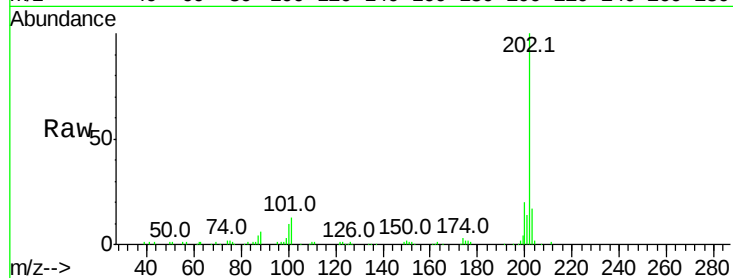
#74
Fluoranthene
Concen: 13.58 ng
RT: 16.60 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Instrument :
BNA_F
ClientSampleId :
OR-RO-5004-060117

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.3	0.0	33.2
203	16.6	0.0	38.1

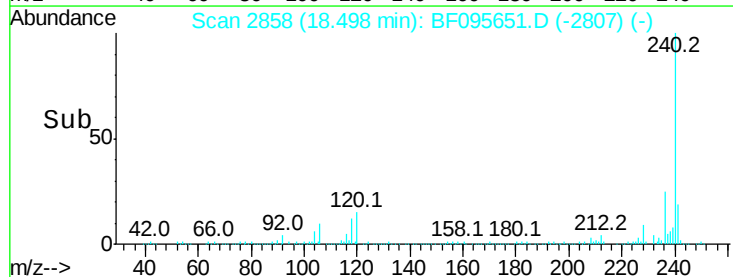
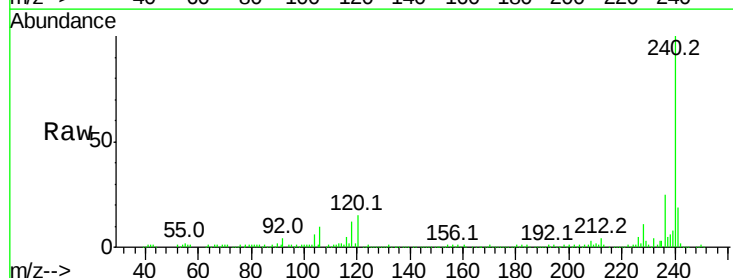
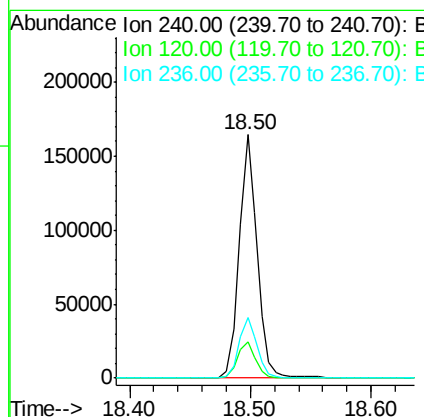
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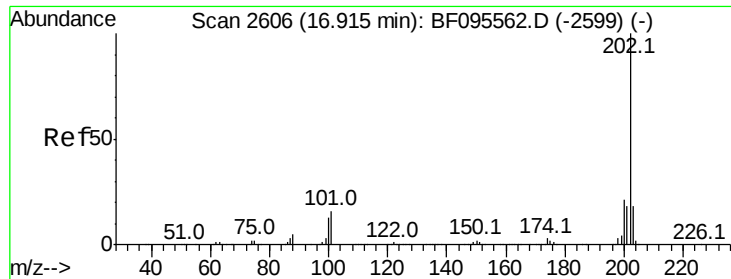
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.50 min Scan# 2858
Delta R.T. 0.00 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	25.1	20.5	30.7





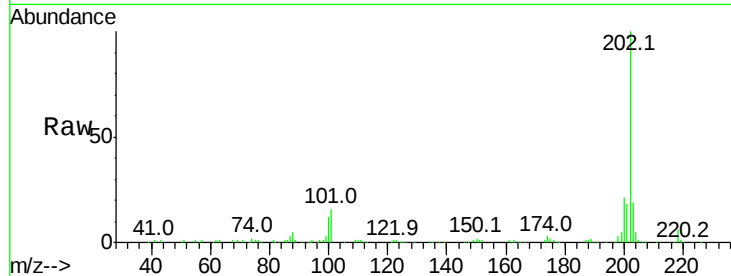
#77
Pvrene
Concen: 12.25 ng
RT: 16.90 min Scan# 2587
Delta R.T. 0.00 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Instrument :
BNA_F
ClientSampleId :
OR-RO-5004-060117

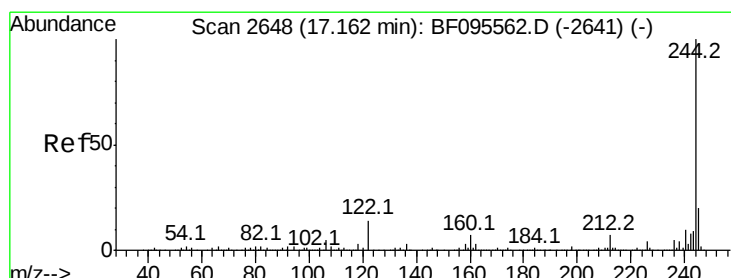
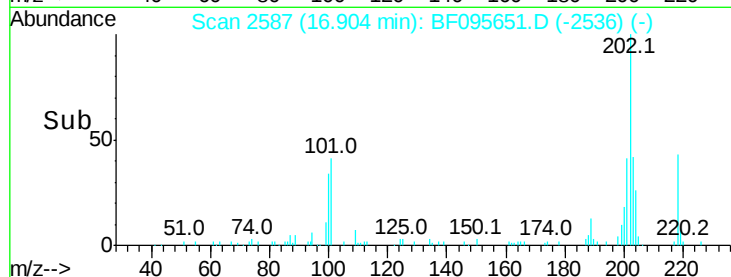
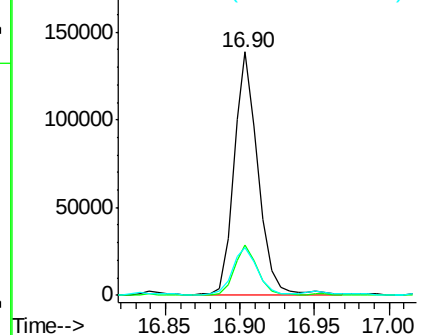
Tot Ion	Ratio	Resp	Lower	Upper
202	100	156044		
200	20.7		17.6	26.4
203	19.4		14.4	21.6

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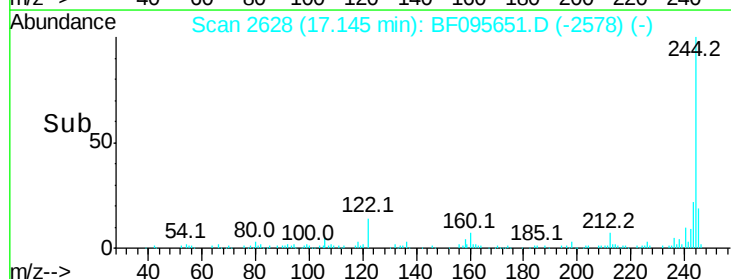
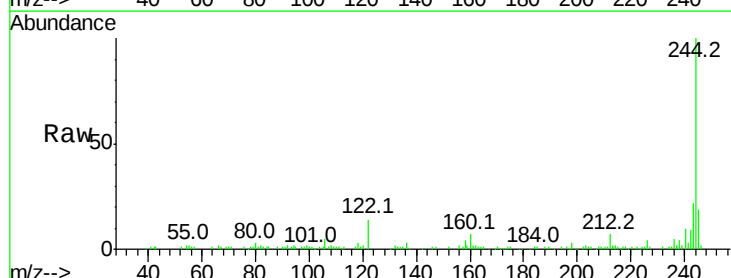
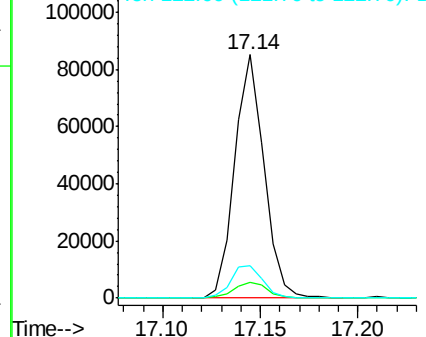
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

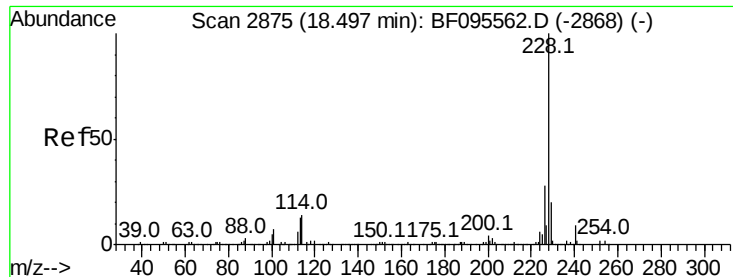


#78
Terphenyl-d14
Concen: 11.48 ng
RT: 17.14 min Scan# 2628
Delta R.T. -0.01 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	88822		
212	6.7		6.0	9.0
122	13.5		10.3	15.5

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





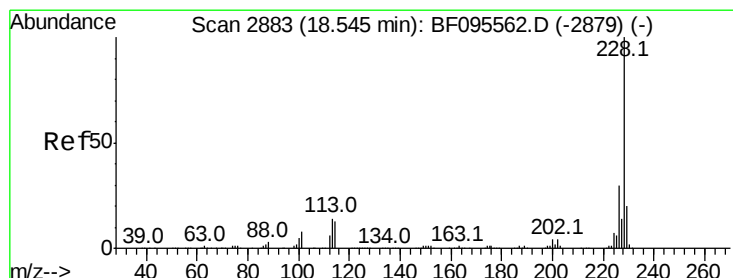
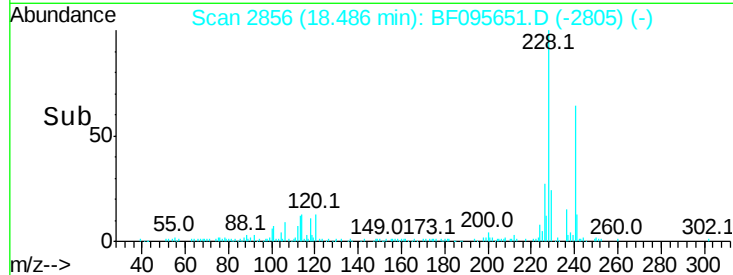
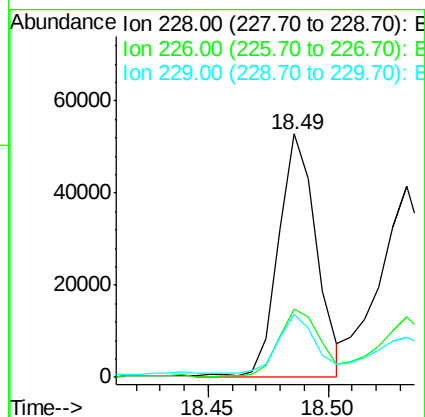
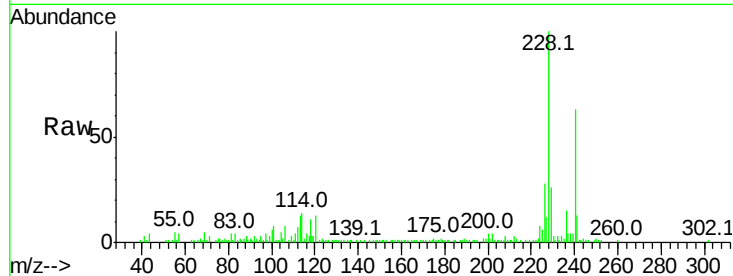
#80
Benzo(a)anthracene
Concen: 5.90 ng m
RT: 18.49 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Instrument :
BNA_F
ClientSampleId :
OR-RO-5004-060117

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	26.0	16.3	24.5

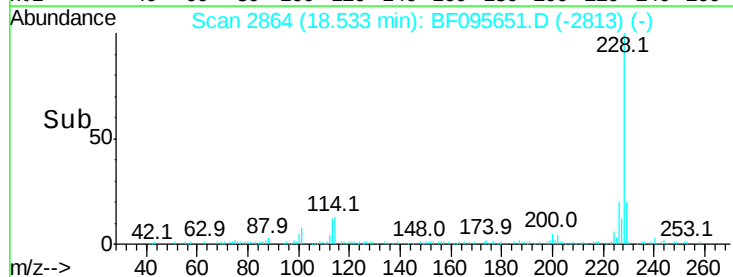
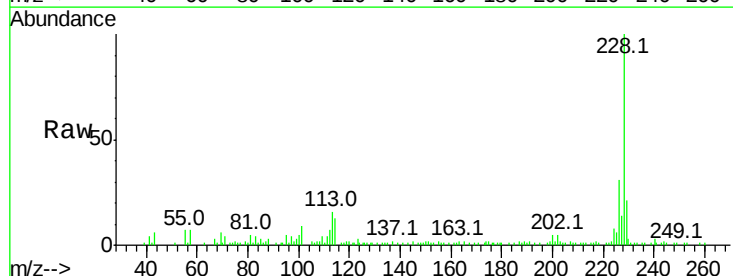
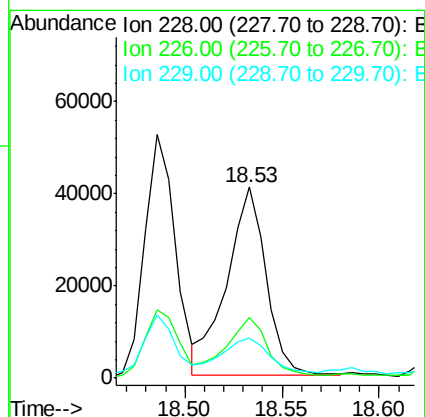
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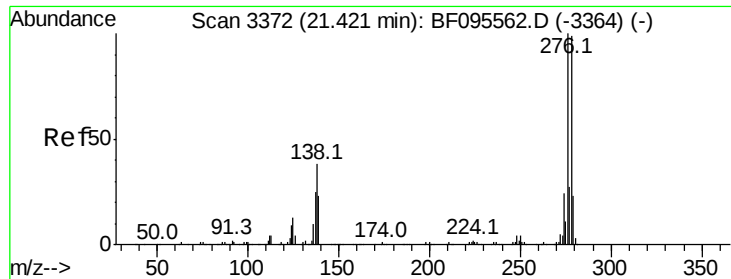
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#82
Chrysene
Concen: 6.02 ng m
RT: 18.53 min Scan# 2864
Delta R.T. 0.00 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3
229	21.3	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.49 ng

RT: 21.43 min Scan# 3357

Delta R.T. 0.02 min

Lab File: BF095651.D

Acq: 3 Jun 2017 00:22

Instrument :

BNA_F

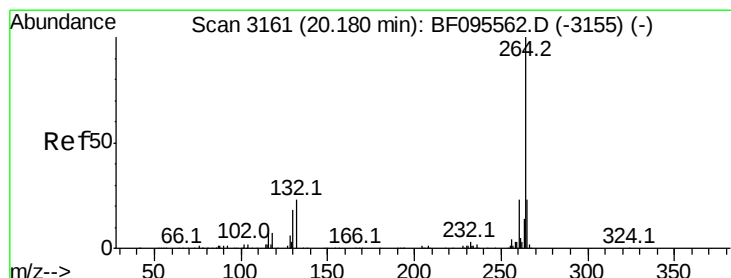
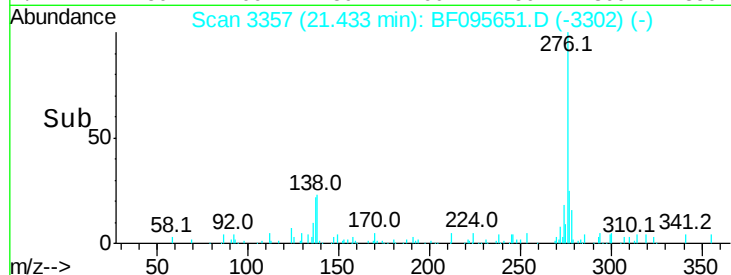
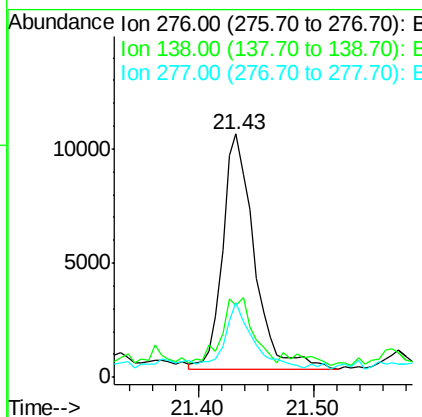
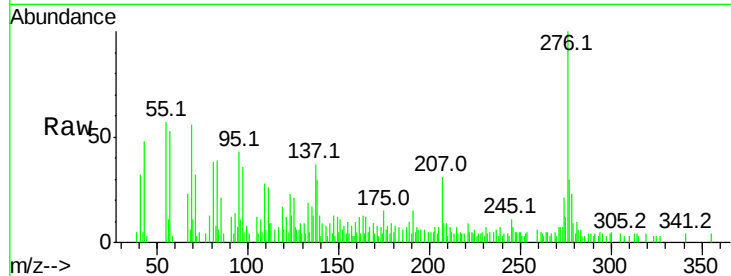
ClientSampleId :

OR-RO-5004-060117

Tot Ion:	276	Resp:	19413
Ion Ratio	Lower	Upper	
276	100		
138	28.8	27.8	41.6
277	25.1	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

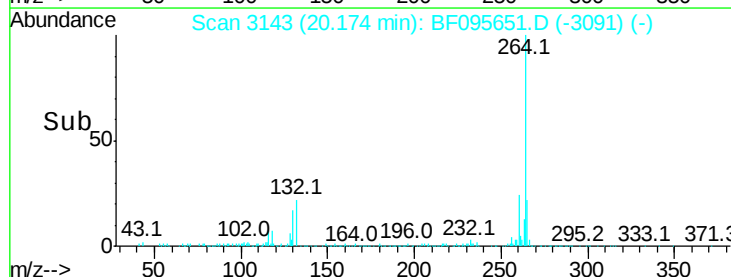
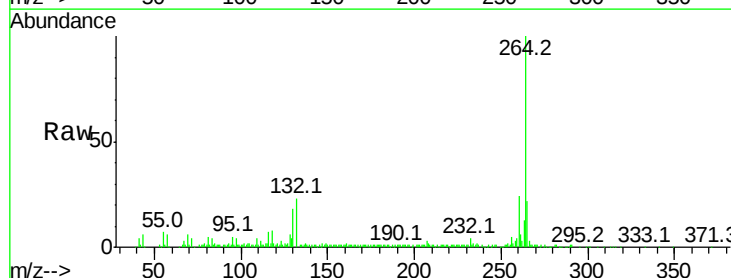
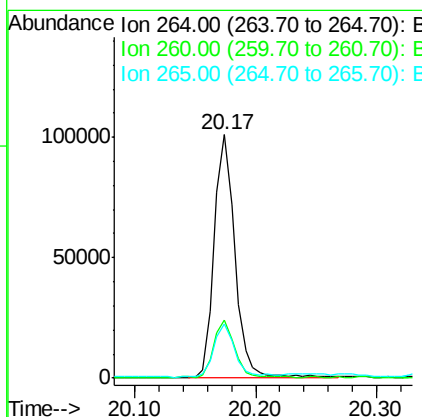
RT: 20.17 min Scan# 3143

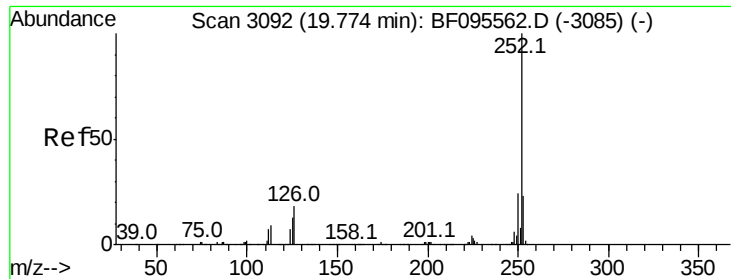
Delta R.T. 0.01 min

Lab File: BF095651.D

Acq: 3 Jun 2017 00:22

Tgt Ion:	264	Resp:	120323
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	22.3	17.2	25.8





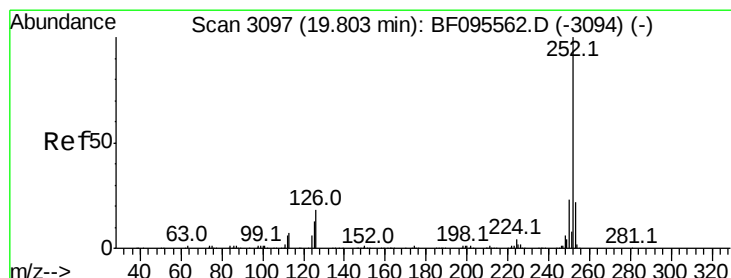
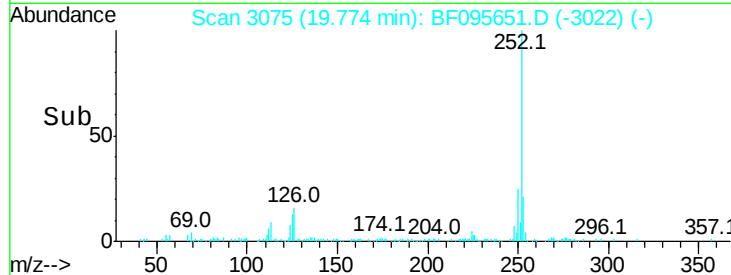
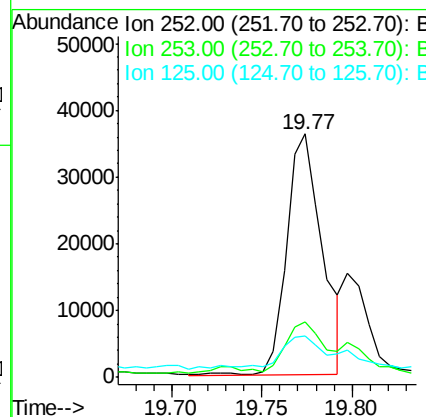
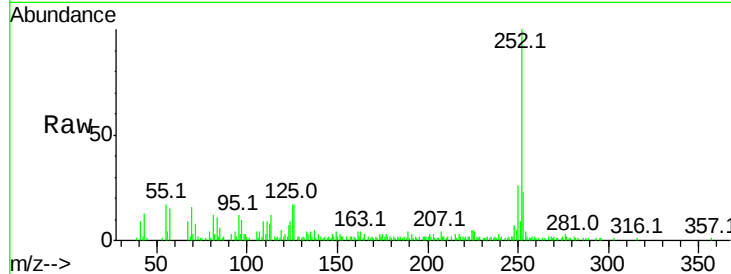
#87
Benzo(b)fluoranthene
Concen: 6.73 ng m
RT: 19.77 min Scan# 3075
Delta R.T. 0.01 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Instrument :
BNA_F
ClientSampleId :
OR-RO-5004-060117

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	16.8	9.8	14.8

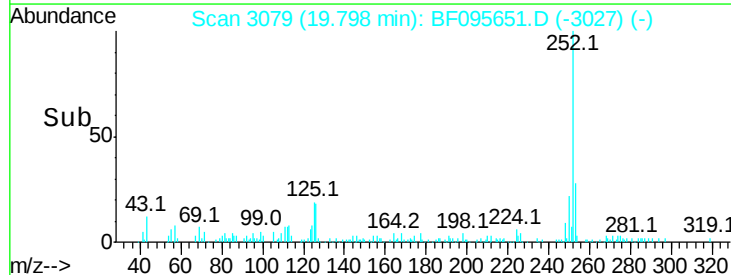
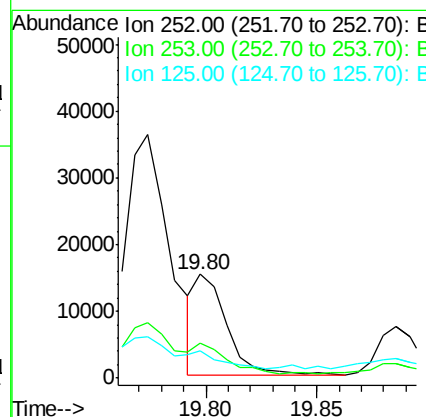
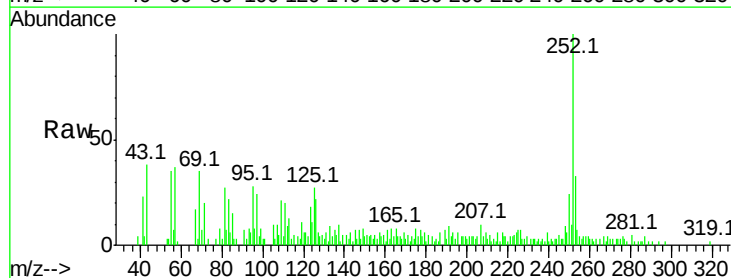
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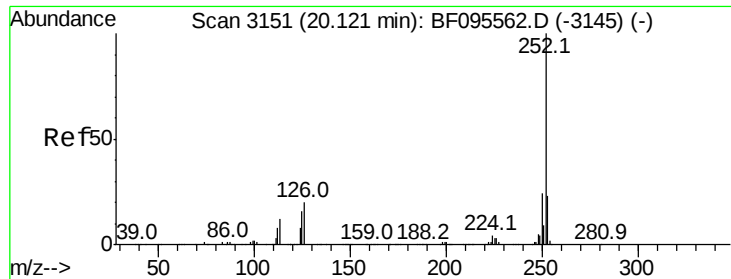
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#88
Benzo(k)fluoranthene
Concen: 2.12 ng m
RT: 19.80 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.2	18.4	27.6
125	26.8	13.1	19.7





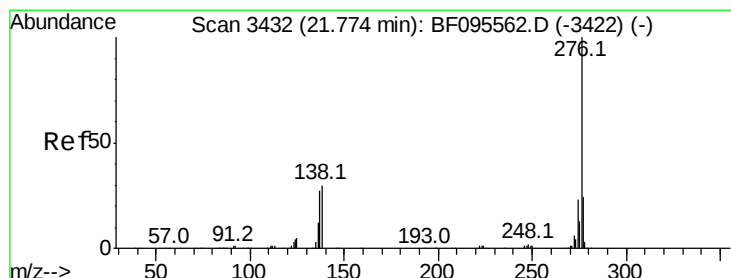
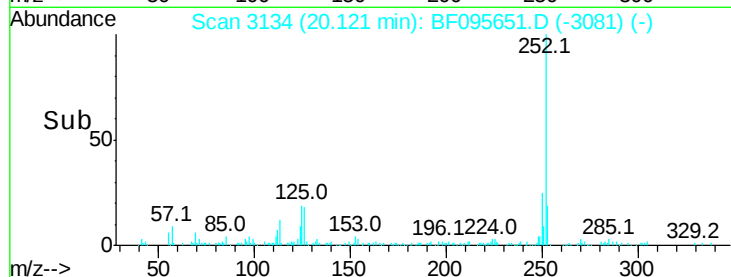
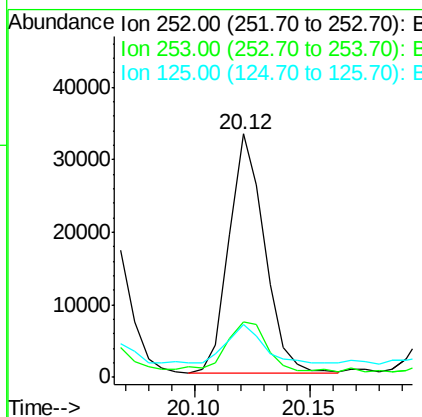
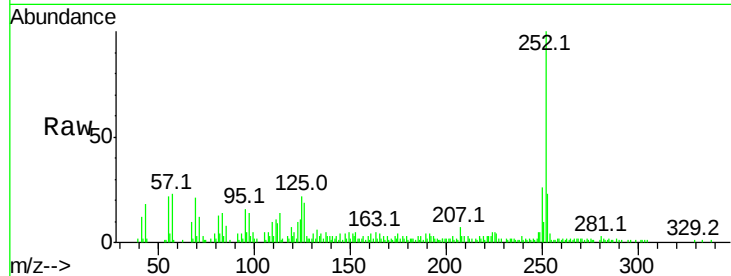
#89
Benzo(a)pyrene
Concen: 5.18 ng
RT: 20.12 min Scan# 3134
Delta R.T. 0.01 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Instrument :
BNA_F
ClientSampleId :
OR-RO-5004-060117

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	21.9	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 3.64 ng
RT: 21.80 min Scan# 3419
Delta R.T. 0.04 min
Lab File: BF095651.D
Acq: 3 Jun 2017 00:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.0	18.6	28.0
138	32.5	25.4	38.0

