

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096979.D
 Acq On : 22 Jul 2017 9:14
 Operator : SJ/JU
 Sample : I4305-03 5X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-BASE

Manual Integrations
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 7/24/2017 3:05:36 PM

Quant Time: Jul 24 05:02:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	111325	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	414443	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	139260	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	211136	20.00	ng	-0.04
75) Chrysene-d12	13.69	240	225491	20.00	ng	-0.05
86) Perylene-d12	15.06	264	192591	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	187868	25.37	ng	-0.02
7) Phenol-d6	6.23	99	213249	24.00	ng	-0.02
23) Nitrobenzene-d5	7.12	82	126066	18.84	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	22907	19.27	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	199440	22.63	ng	-0.05
78) Terphenyl-d14	12.64	244	135278	10.40	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	7.86	128	197930	10.081	ng	98
37) 2-Methylnaphthalene	8.56	142	787698	62.932	ng	98
45) 1,1'-Biphenyl	9.02	154	37781	3.163	ng	98
51) Acenaphthene	9.62	154	19816	2.394	ng	91
57) Fluorene	10.13	166	28245	3.295	ng	# 92
59) Diethylphthalate	10.02	149	23211	2.274	ng	95
70) Phenanthrene	11.09	178	73641	6.415	ng	97
74) Fluoranthene	12.27	202	101069	9.198	ng	98
77) Pyrene	12.49	202	97439	4.761	ng	98
80) Benzo(a)anthracene	13.68	228	45940	3.270	ng	98
82) Chrysene	13.72	228	48026	3.472	ng	98
85) Indeno(1,2,3-cd)pyrene	16.32	276	19089	4.763	ng	96
87) Benzo(b)fluoranthene	14.68	252	54587m	4.700	ng	
89) Benzo(a)pyrene	15.00	252	38067	3.573	ng	# 88

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

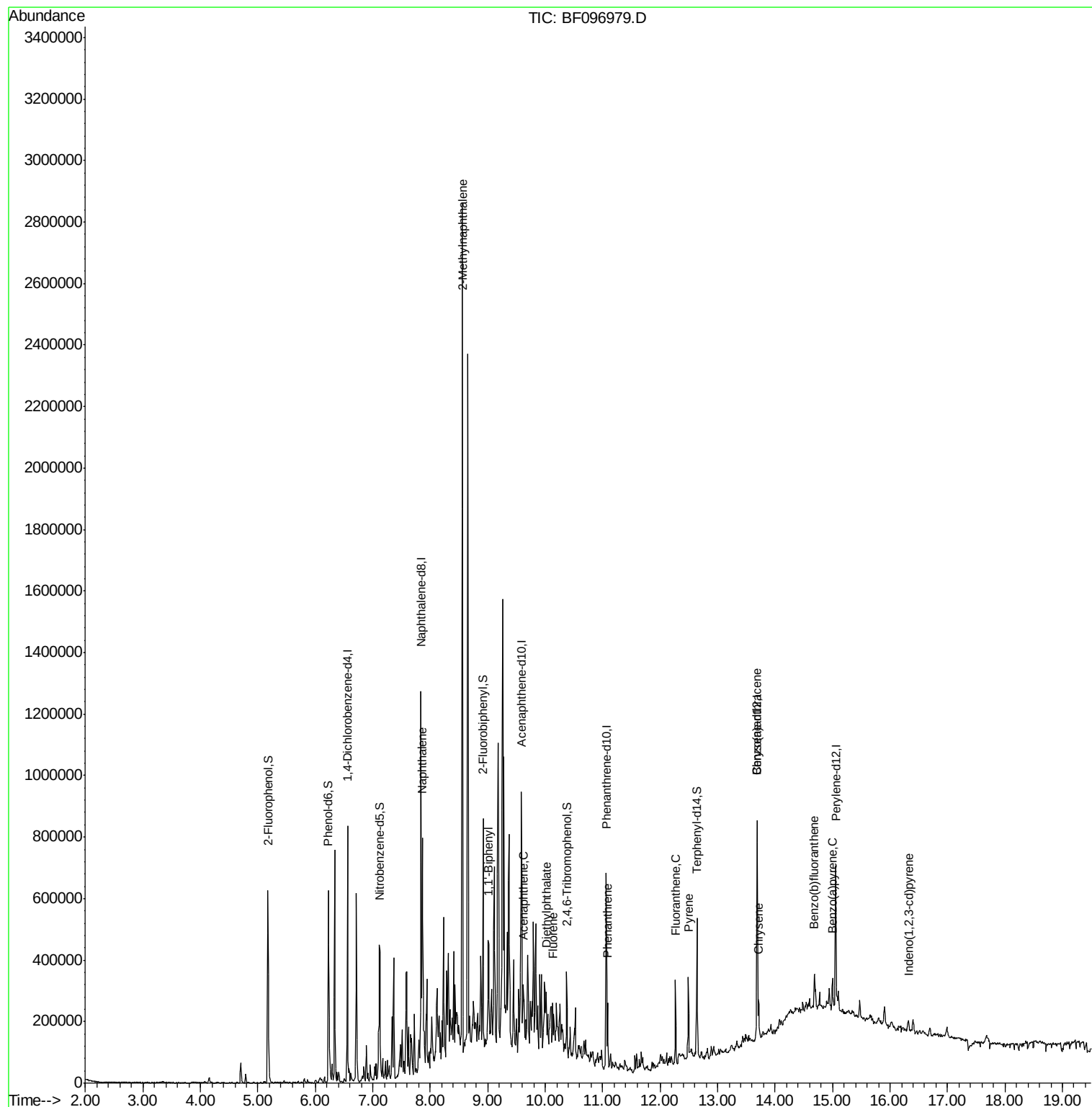
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096979.D
Acq On : 22 Jul 2017 9:14
Operator : SJ/JU
Sample : I4305-03 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

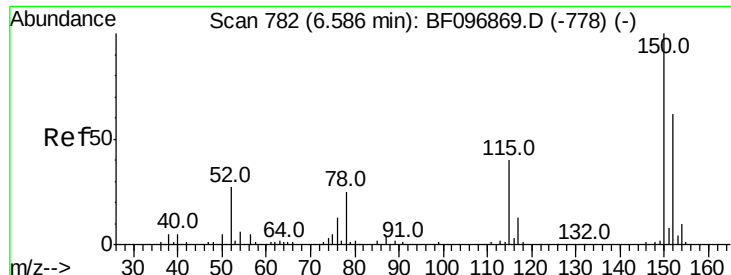
Instrument :
BNA_F
ClientSampleId :
E2-N5-BASE

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
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#1

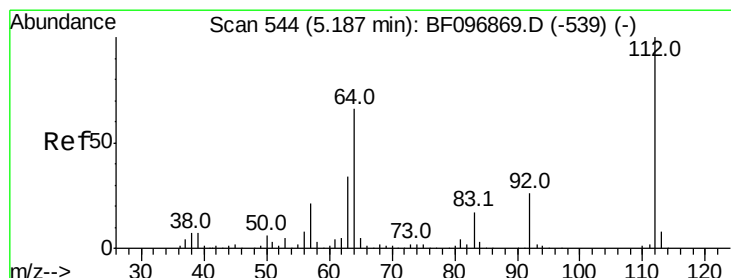
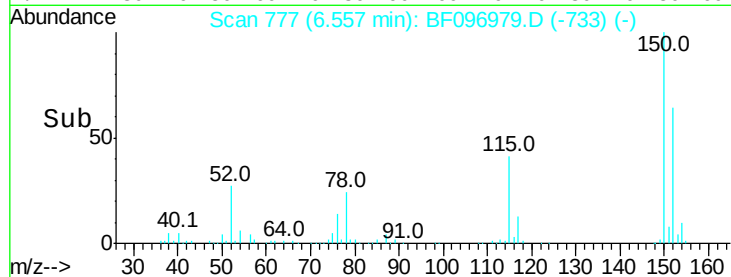
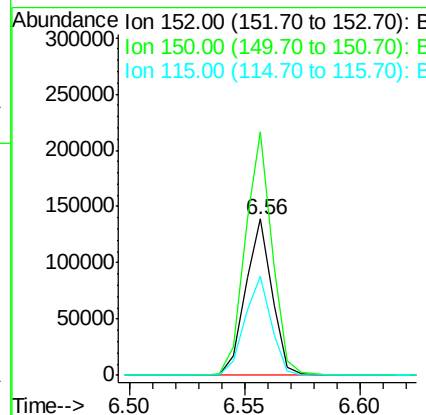
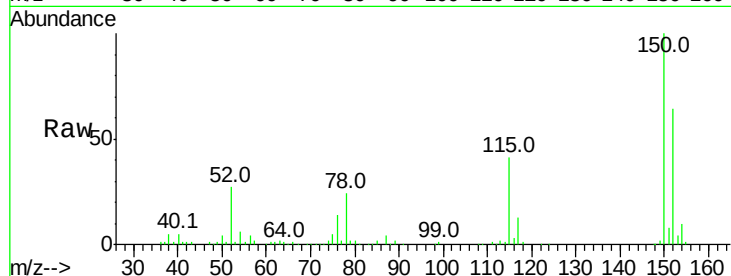
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.56 min Scan# 777
Delta R.T. -0.04 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Instrument :
BNA_F
ClientSampleId :
E2-N5-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	63.2	52.2	78.2

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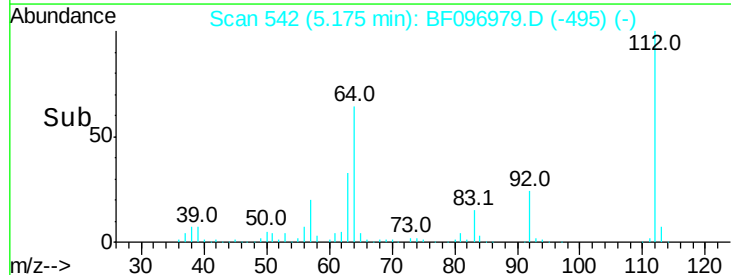
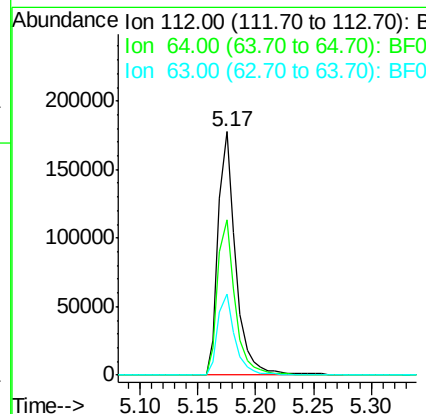
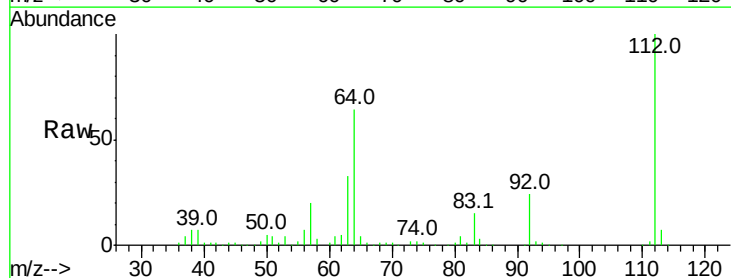
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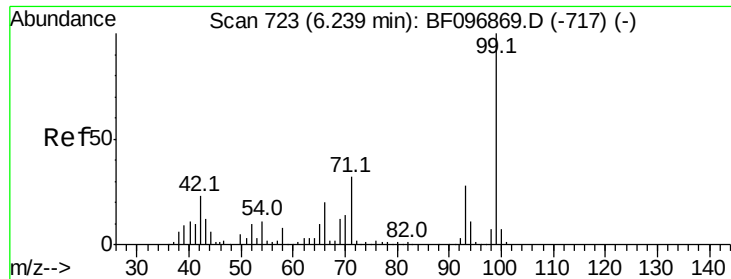


#5

2-Fluorophenol
Concen: 25.374 ng
RT: 5.17 min Scan# 542
Delta R.T. -0.02 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	46.0	69.0
63	33.1	23.4	35.0





#7

Phenol-d6

Concen: 24.001 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096979.D

Acq: 22 Jul 2017 9:14

Instrument :

BNA_F

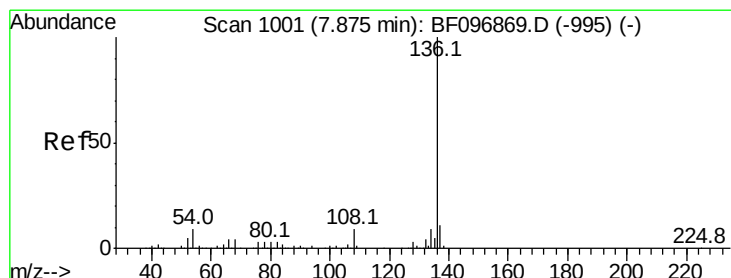
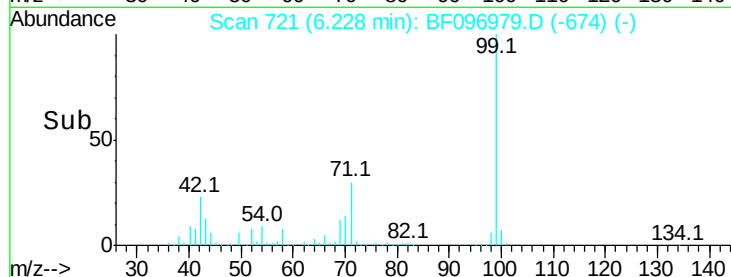
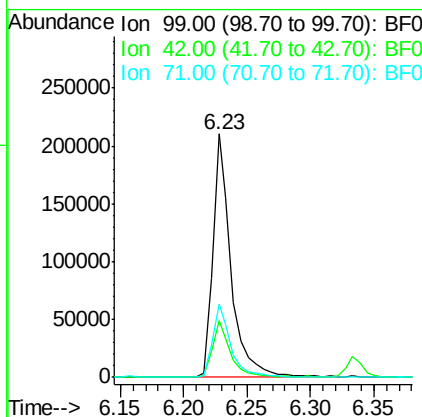
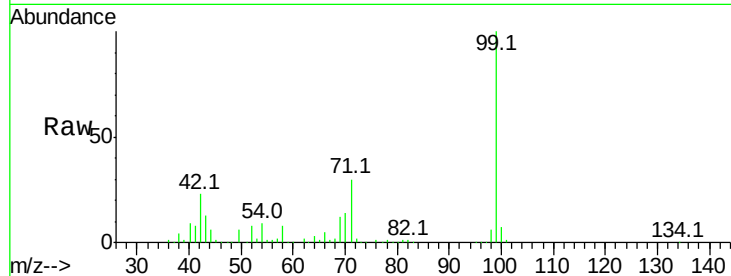
ClientSampled :

E2-N5-BASE

Tot Ion:	99	Resp:	213249
Ion Ratio	Lower	Upper	
99	100		
42	23.2	13.5	20.3#
71	30.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

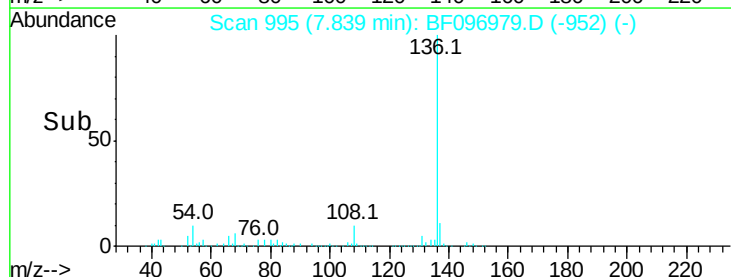
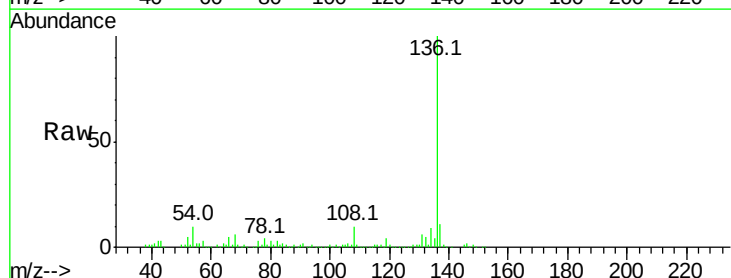
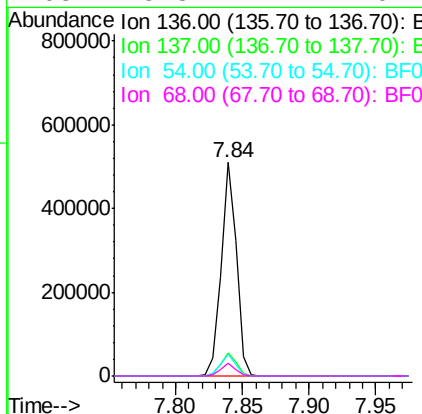
RT: 7.84 min Scan# 995

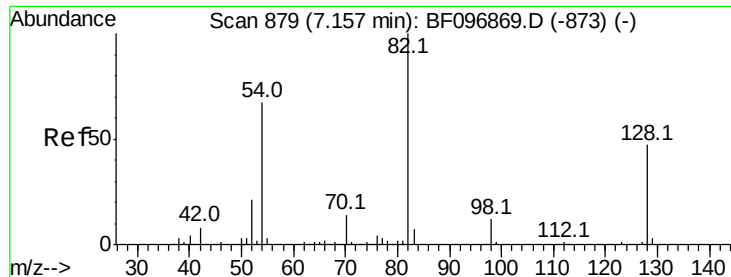
Delta R.T. -0.05 min

Lab File: BF096979.D

Acq: 22 Jul 2017 9:14

Tgt Ion:	136	Resp:	414443
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	10.4	4.9	7.3#
68	5.8	4.1	6.1





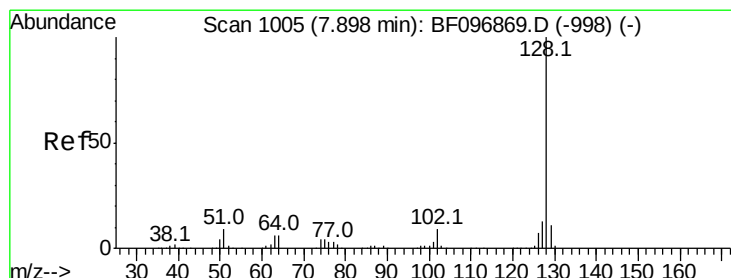
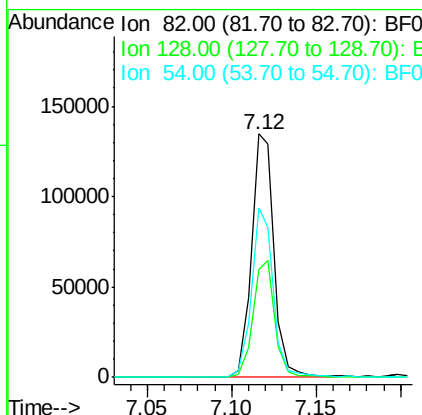
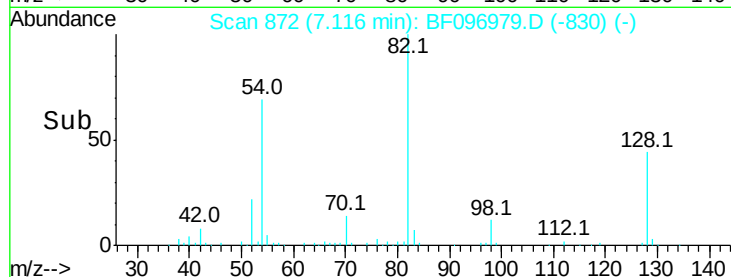
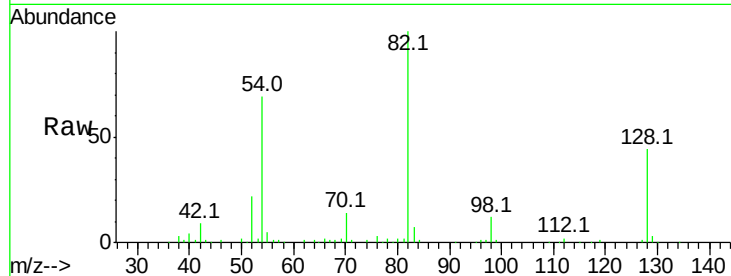
#23
Nitrobenzene-d5
Concen: 18.841 ng
RT: 7.12 min Scan# 872
Delta R.T. -0.05 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Instrument :
BNA_F
ClientSampleId :
E2-N5-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.0	51.0
54	69.4	42.2	63.2

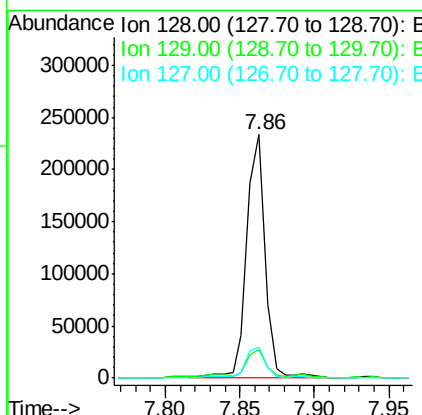
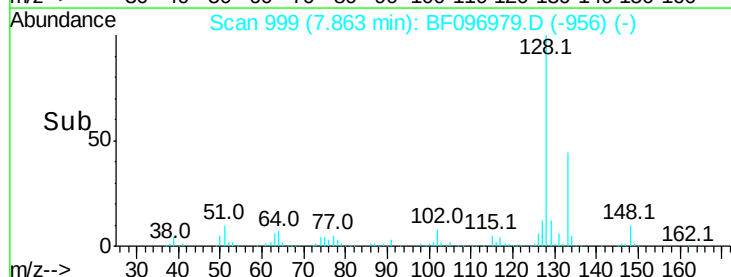
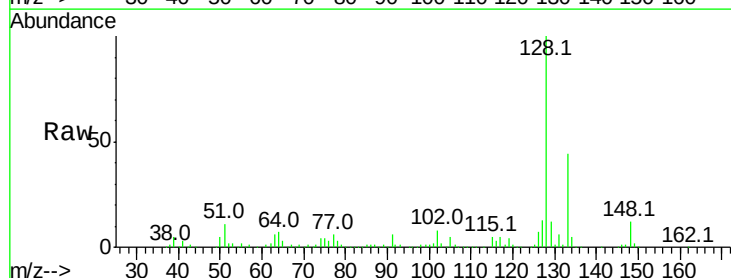
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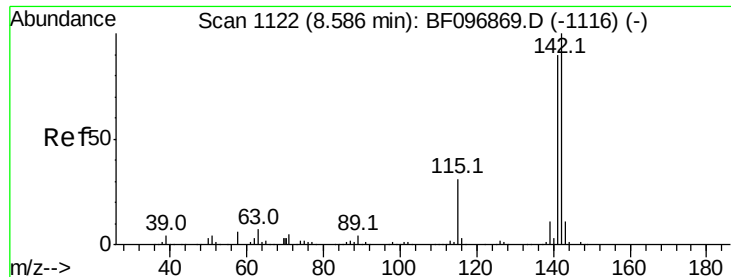
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#31
Naphthalene
Concen: 10.081 ng
RT: 7.86 min Scan# 999
Delta R.T. -0.05 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	12.6	10.8	16.2





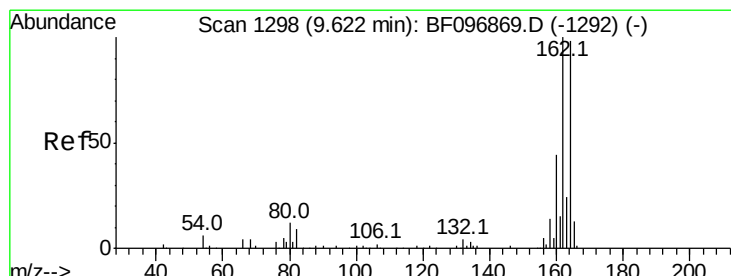
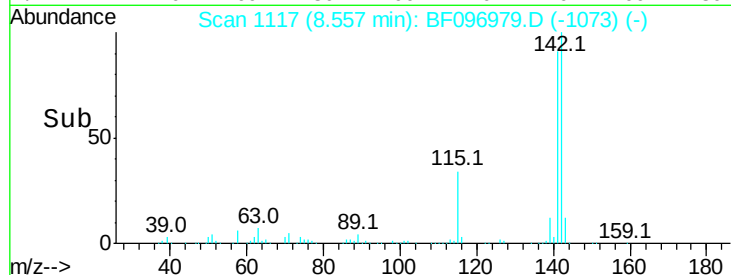
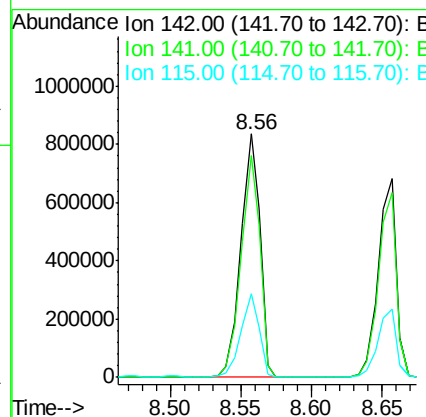
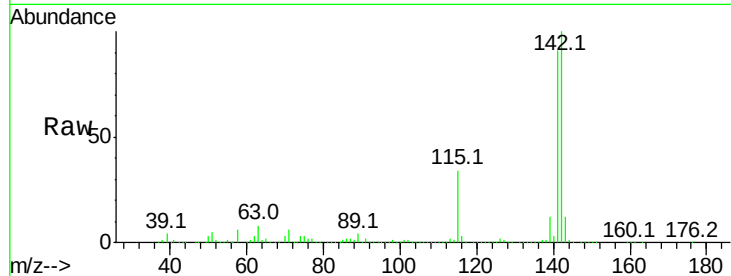
#37
2-Methylnaphthalene
Concen: 62.932 ng
RT: 8.56 min Scan# 1117
Delta R.T. -0.04 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Instrument :
BNA_F
ClientSampled :
E2-N5-BASE

Tot Ion	Ratio	Resp	Lower	Upper
142	100	787698		
141	91.3		71.3	106.9
115	34.2		27.1	40.7

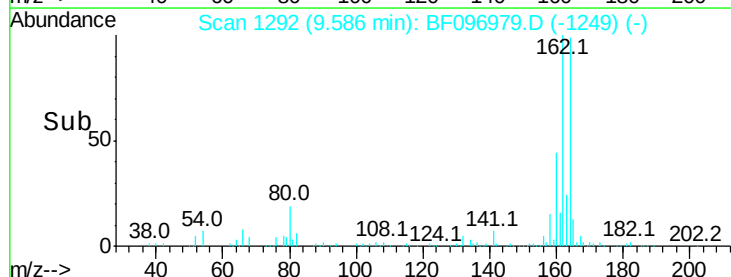
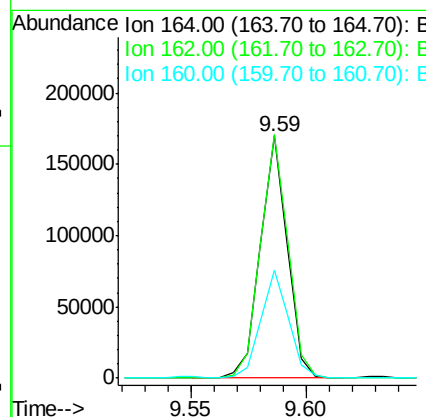
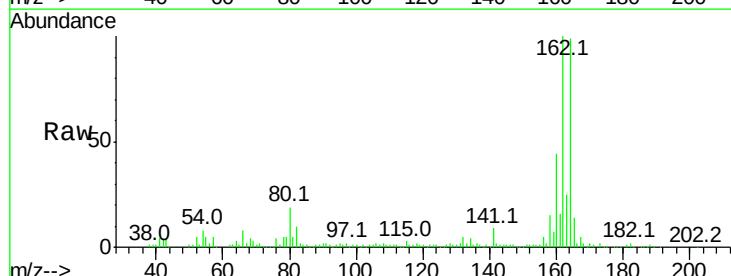
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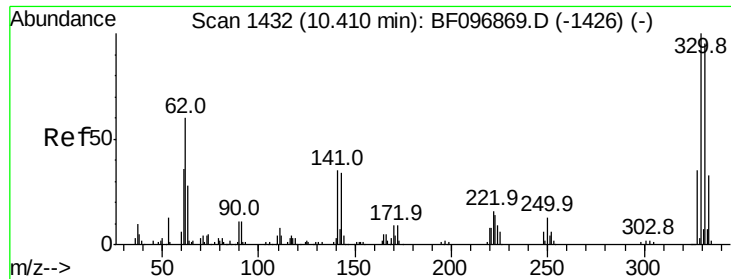
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.59 min Scan# 1292
Delta R.T. -0.05 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139260		
162	100.6		82.6	123.8
160	44.7		36.2	54.2





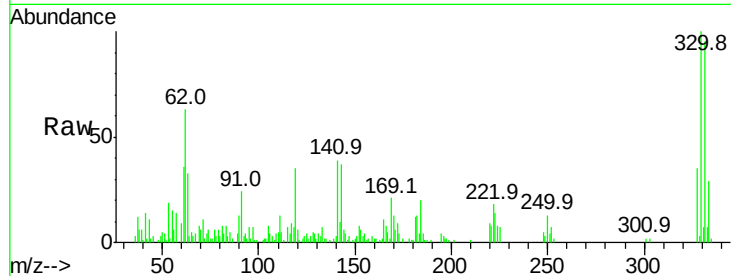
#41
 2,4,6-Tribromophenol
 Concen: 19.271 ng
 RT: 10.37 min Scan# 1426
 Delta R.T. -0.05 min
 Lab File: BF096979.D
 Acq: 22 Jul 2017 9:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-BASE

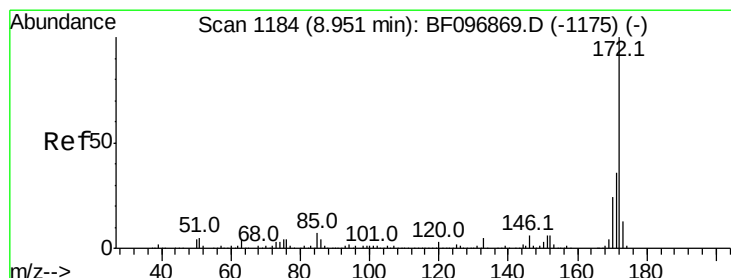
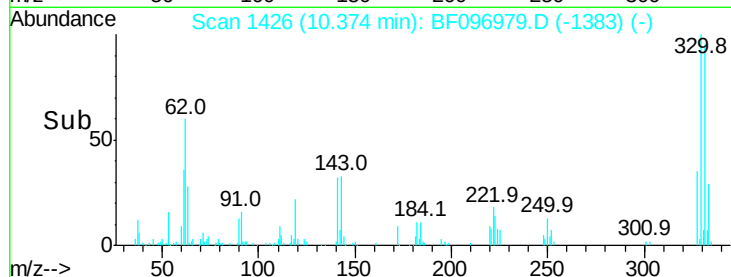
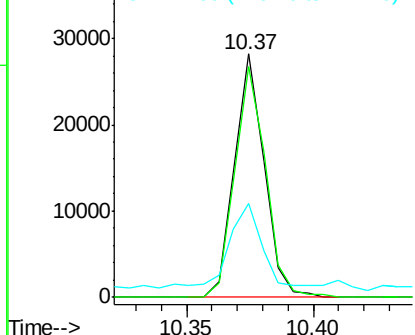
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	115.0
141	41.0	31.4	47.2

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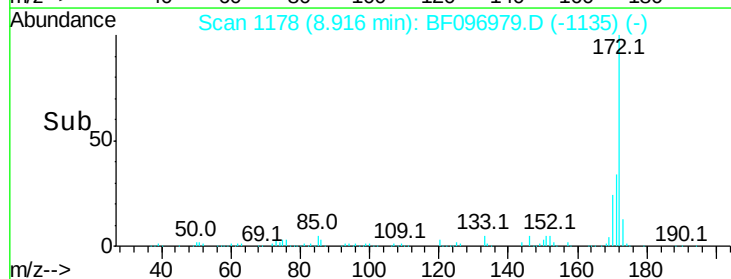
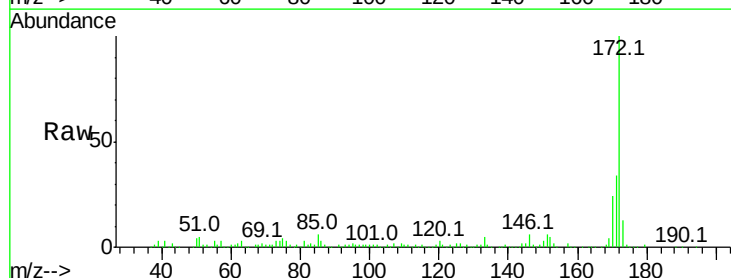
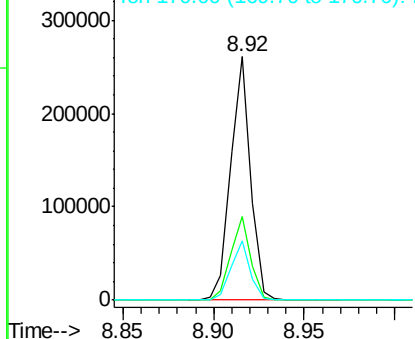
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

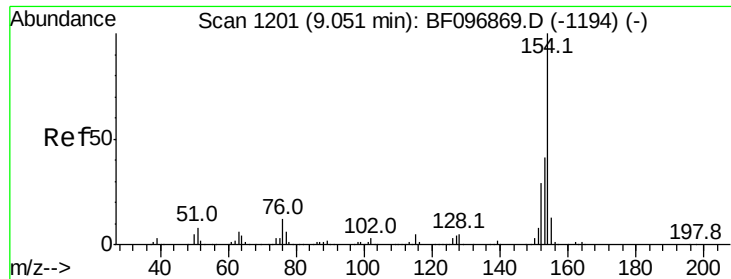


#44
 2-Fluorobiphenyl
 Concen: 22.627 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF096979.D
 Acq: 22 Jul 2017 9:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.6	44.4
170	24.2	19.8	29.8

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





#45

1,1'-Biphenyl

Concen: 3.163 ng

RT: 9.02 min Scan# 1195

Delta R.T. -0.05 min

Lab File: BF096979.D

Acq: 22 Jul 2017 9:14

Instrument :

BNA_F

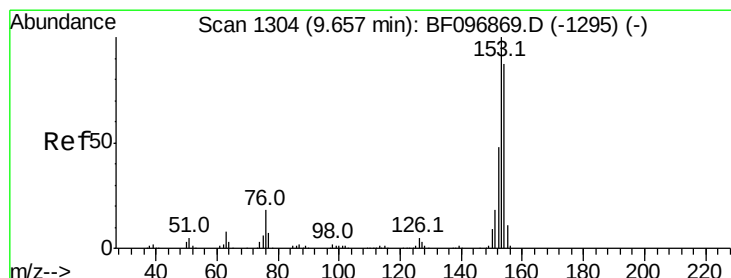
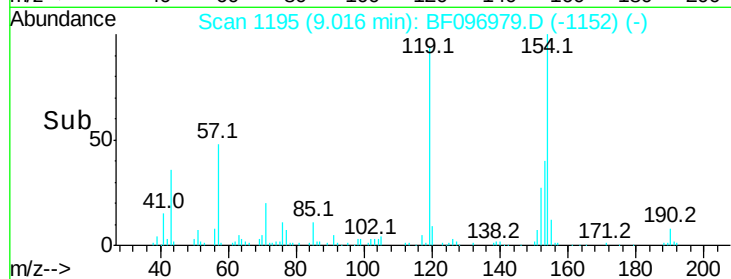
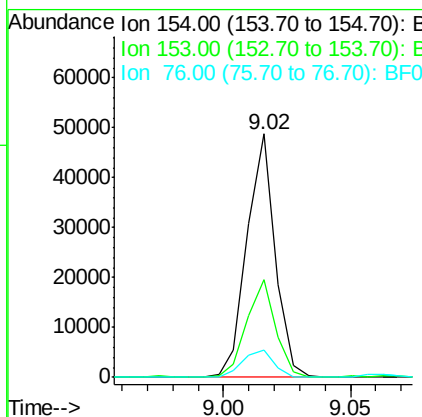
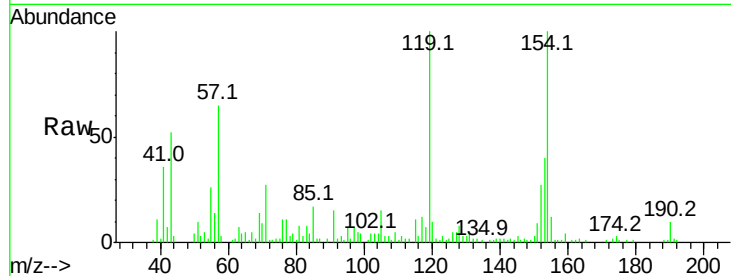
ClientSampleId :

E2-N5-BASE

Tot Ion:	154	Resp:	37781
Ion Ratio	Lower	Upper	
154	100		
153	40.0	21.2	61.2
76	11.1	0.0	29.9

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#51

Acenaphthene

Concen: 2.394 ng

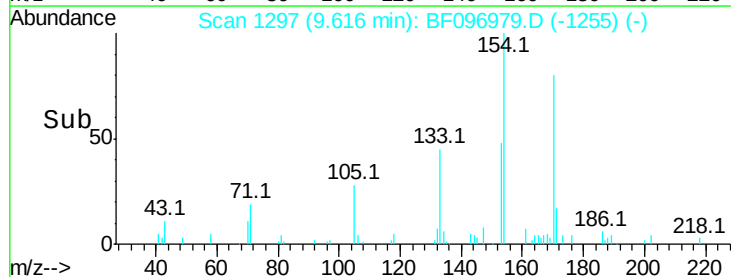
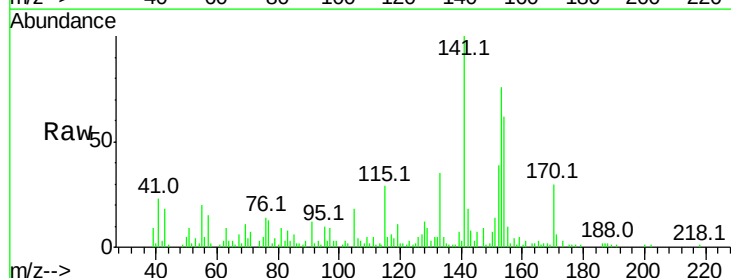
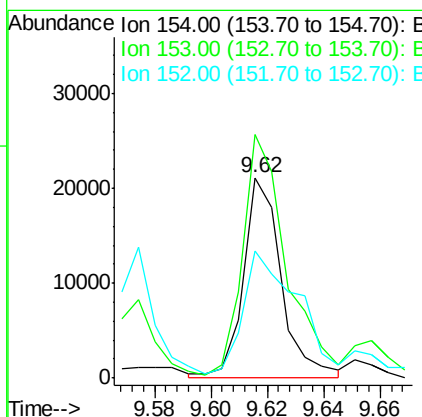
RT: 9.62 min Scan# 1297

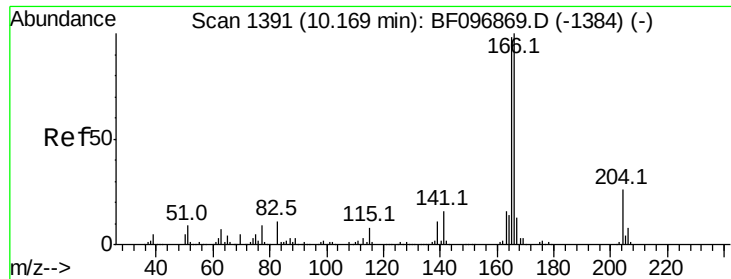
Delta R.T. -0.05 min

Lab File: BF096979.D

Acq: 22 Jul 2017 9:14

Tgt Ion:	154	Resp:	19816
Ion Ratio	Lower	Upper	
154	100		
153	121.3	90.5	135.7
152	63.0	43.6	65.4





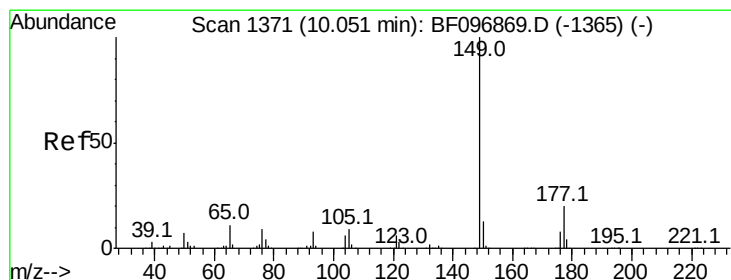
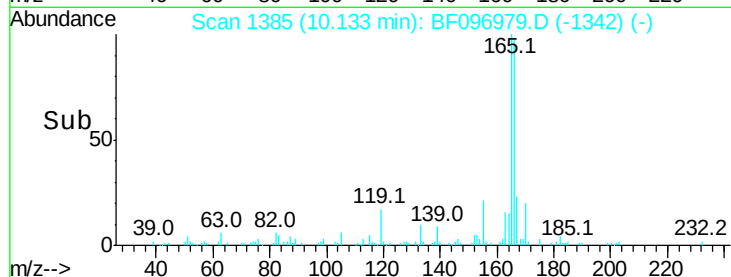
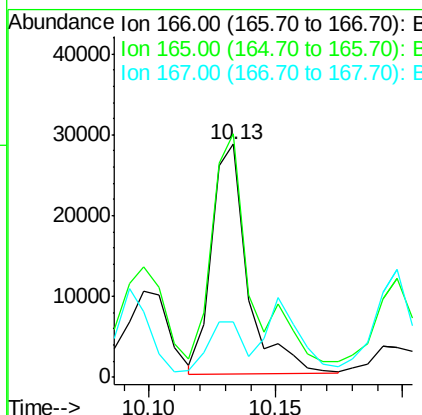
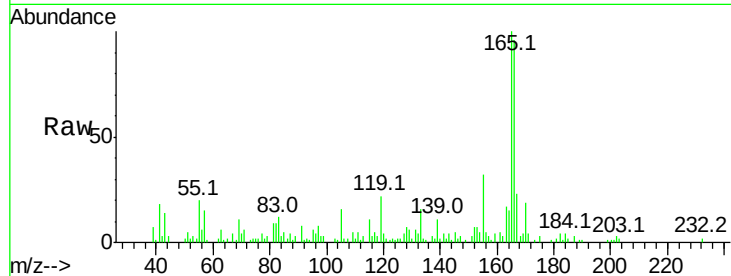
#57
Fluorene
Concen: 3.295 ng
RT: 10.13 min Scan# 1385
Delta R.T. -0.05 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Instrument :
BNA_F
ClientSampleId :
E2-N5-BASE

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.4	78.8	118.2
167	23.7	10.6	16.0

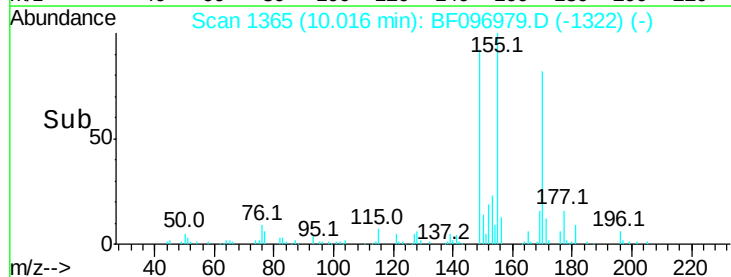
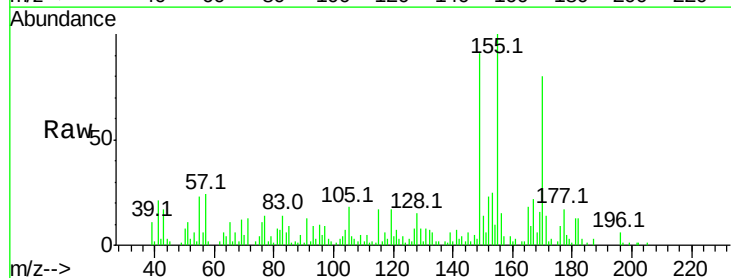
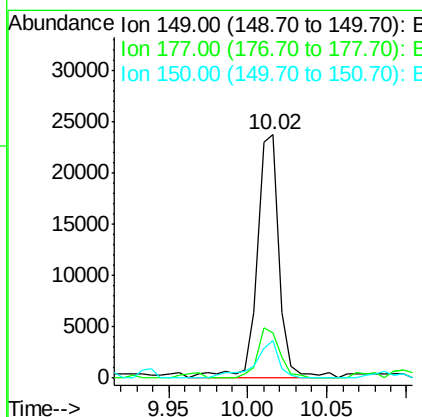
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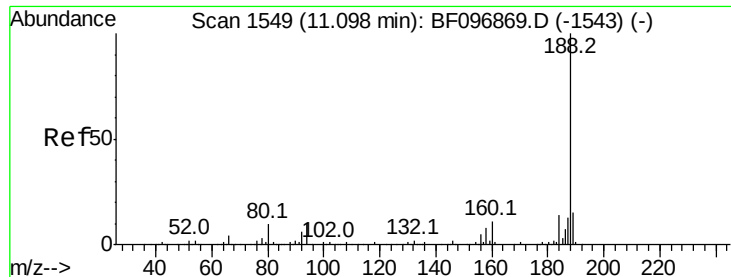
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#59
Diethylphthalate
Concen: 2.274 ng
RT: 10.02 min Scan# 1365
Delta R.T. -0.05 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Tgt Ion	Ratio	Lower	Upper
149	100		
177	18.7	16.7	25.1
150	15.2	10.2	15.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.06 min Scan# 1543

Delta R.T. -0.04 min

Lab File: BF096979.D

Acq: 22 Jul 2017 9:14

Instrument :

BNA_F

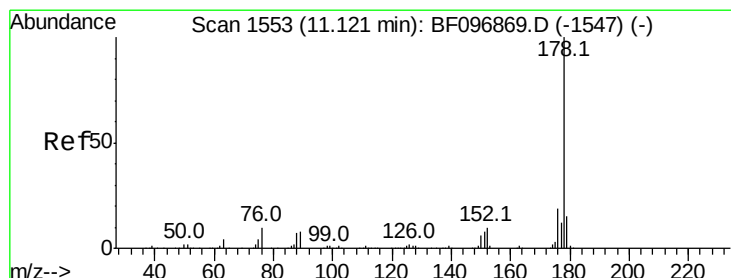
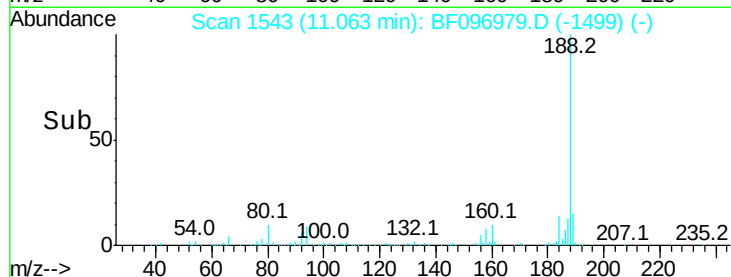
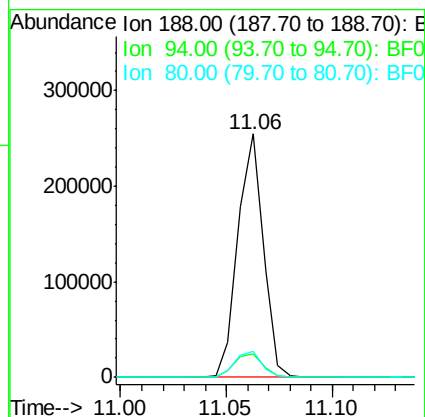
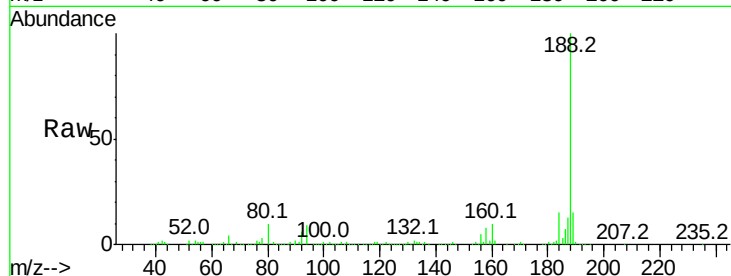
ClientSampleId :

E2-N5-BASE

Tot Ion:	188	Resp:	211136
Ion Ratio	Lower	Upper	
188	100		
94	9.4	9.4	14.2#
80	10.4	10.2	15.2

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#70

Phenanthrene

Concen: 6.415 ng

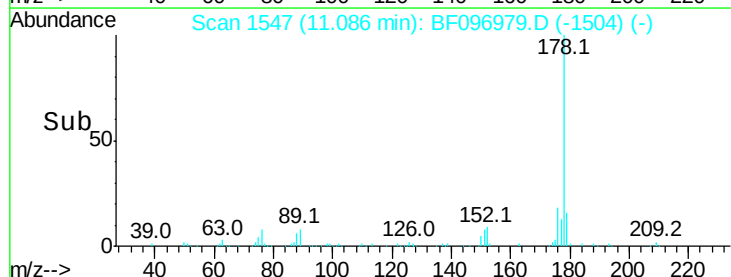
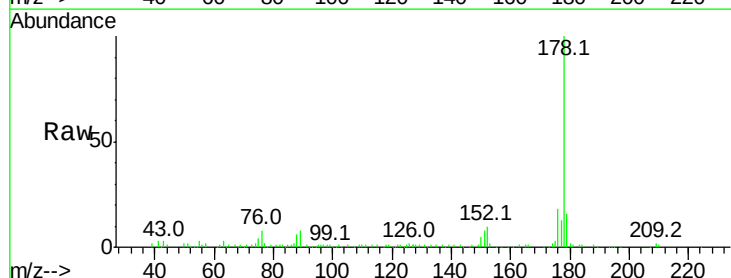
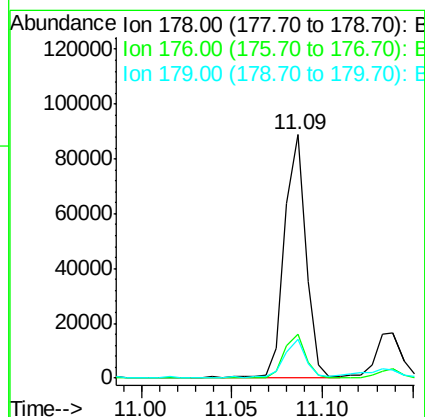
RT: 11.09 min Scan# 1547

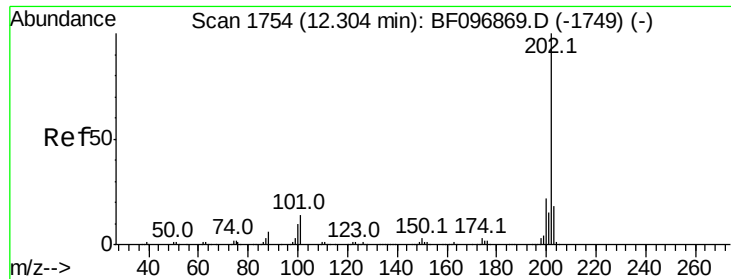
Delta R.T. -0.05 min

Lab File: BF096979.D

Acq: 22 Jul 2017 9:14

Tgt Ion:	178	Resp:	73641
Ion Ratio	Lower	Upper	
178	100		
176	18.3	16.2	24.4
179	16.1	12.6	19.0





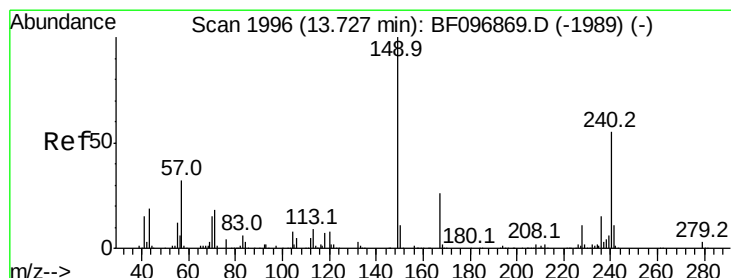
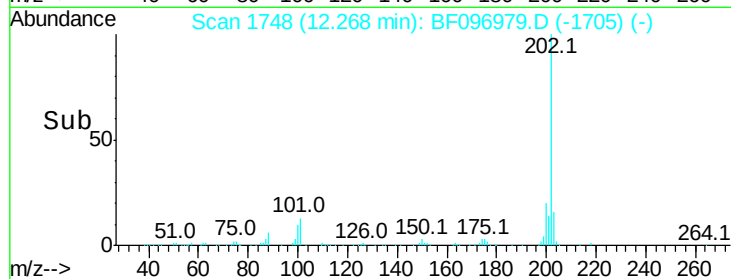
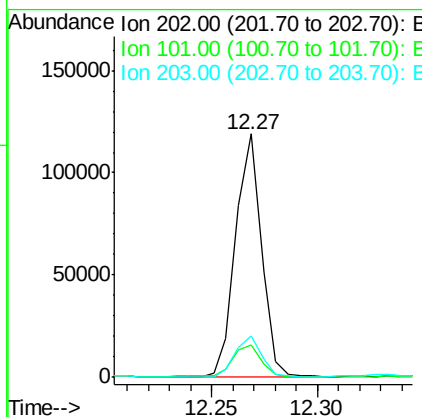
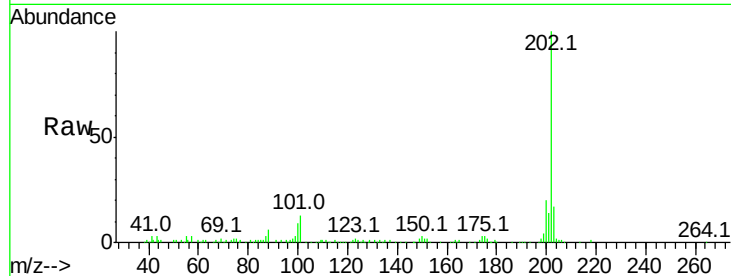
#74
Fluoranthene
Concen: 9.198 ng
RT: 12.27 min Scan# 1748
Delta R.T. -0.05 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Instrument :
BNA_F
ClientSampleId :
E2-N5-BASE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	33.2
203	16.8	0.0	38.1

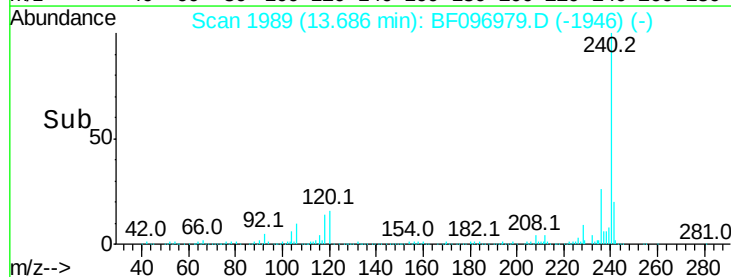
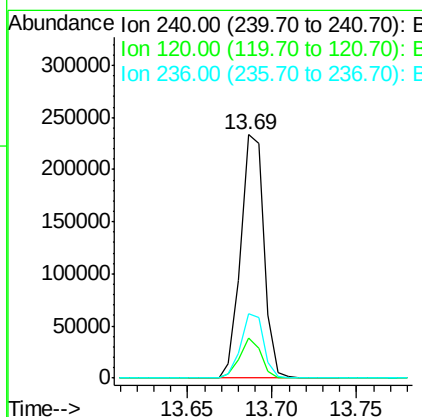
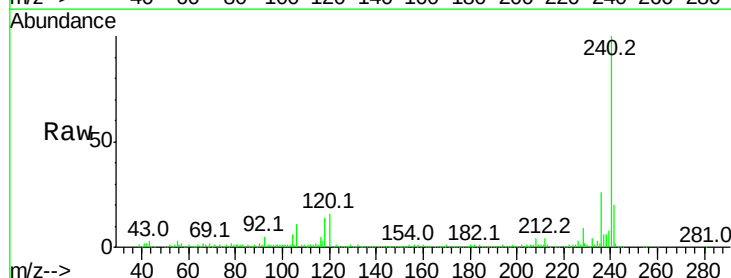
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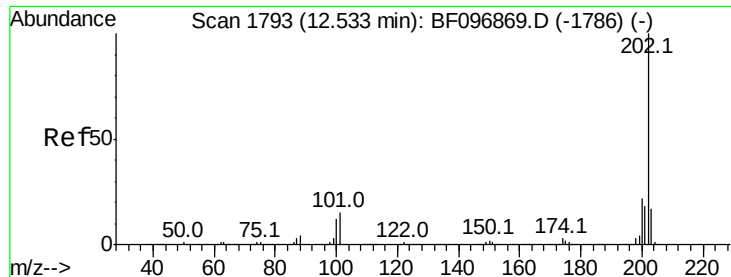
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.69 min Scan# 1989
Delta R.T. -0.05 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.5	5.8	8.8#
236	26.5	20.5	30.7





#77

Pvrene

Concen: 4.761 ng

RT: 12.49 min Scan# 1786

Delta R.T. -0.05 min

Lab File: BF096979.D

Acq: 22 Jul 2017 9:14

Instrument :

BNA_F

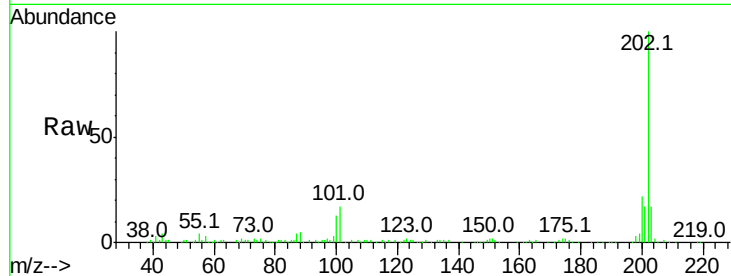
ClientSampleId :

E2-N5-BASE

Tot Ion:	202	Resp:	97439
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.6	26.4
203	16.8	14.4	21.6

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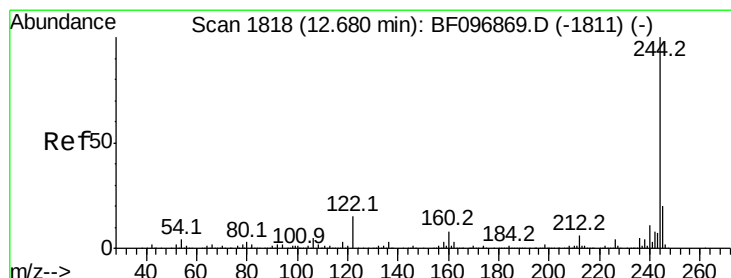
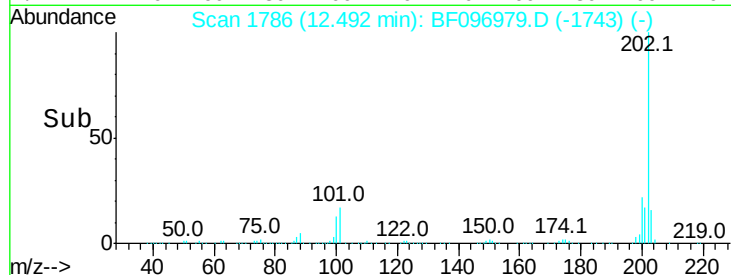
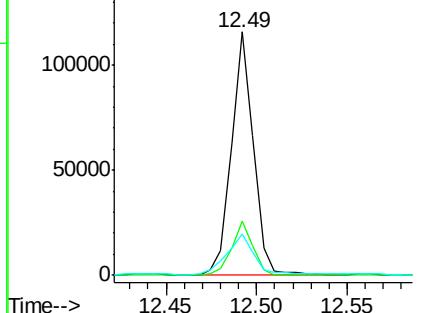
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 10.404 ng

RT: 12.64 min Scan# 1812

Delta R.T. -0.05 min

Lab File: BF096979.D

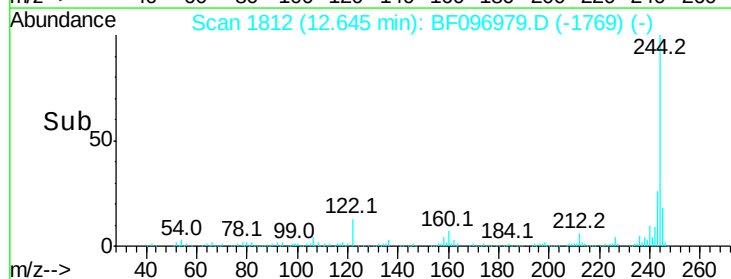
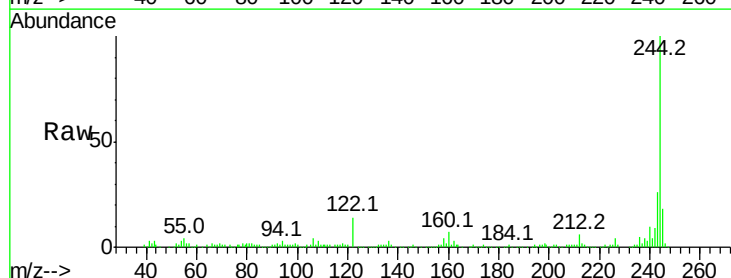
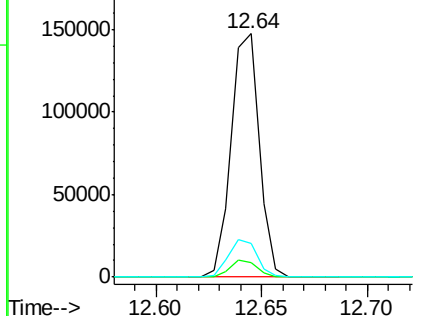
Acq: 22 Jul 2017 9:14

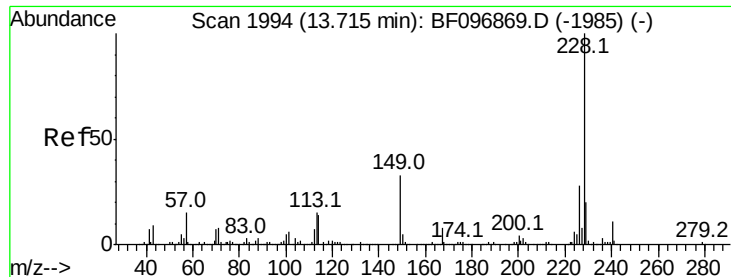
Tgt Ion:	244	Resp:	135278
Ion Ratio	Lower	Upper	
244	100		
212	5.8	6.0	9.0#
122	13.9	10.3	15.5

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





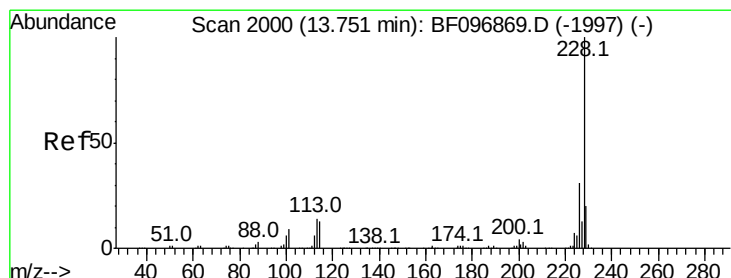
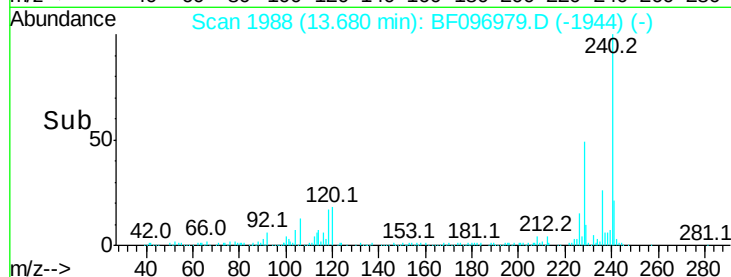
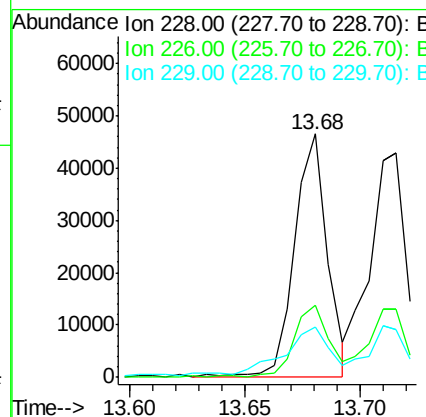
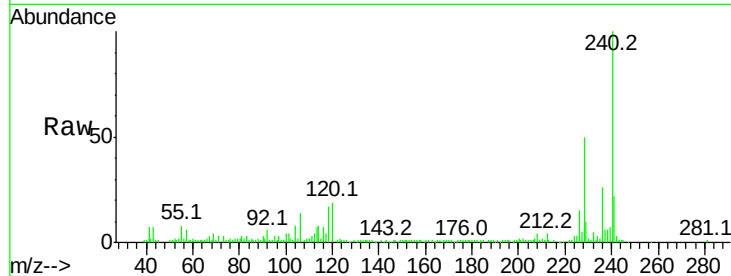
#80
Benzo(a)anthracene
Concen: 3.270 ng
RT: 13.68 min Scan# 1988
Delta R.T. -0.04 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Instrument :
BNA_F
ClientSampleId :
E2-N5-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	20.6	16.3	24.5

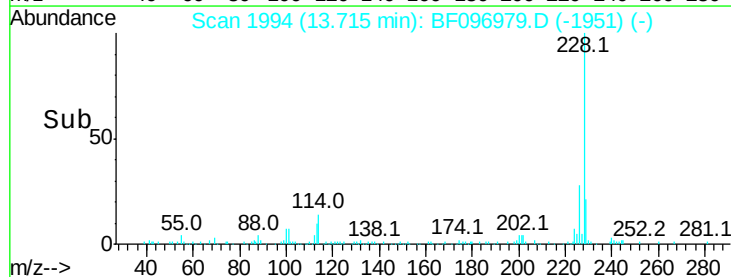
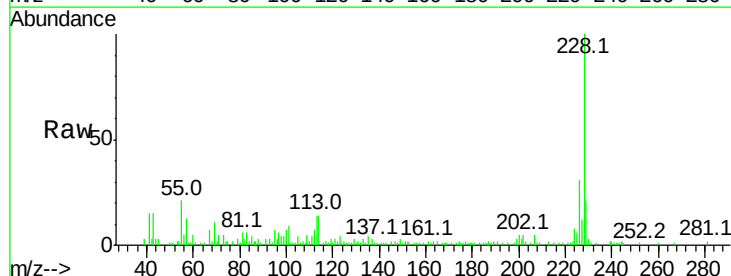
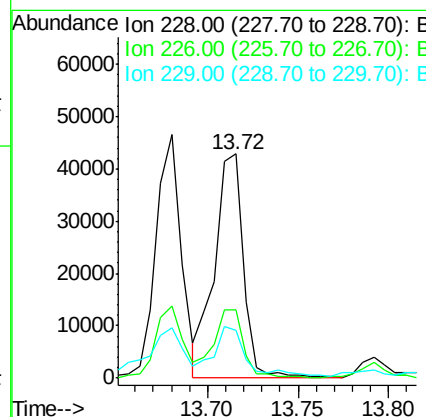
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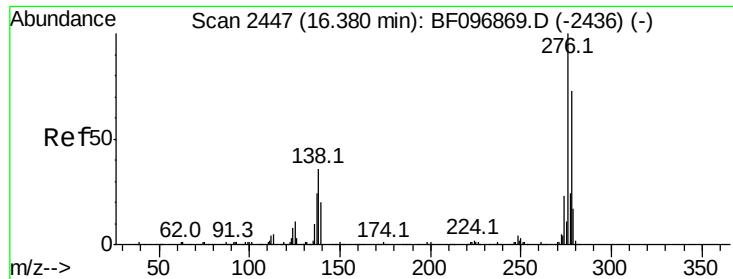
Sohil
7/24/2017 3:05:36 PM



#82
Chrysene
Concen: 3.472 ng
RT: 13.72 min Scan# 1994
Delta R.T. -0.05 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	21.3	15.8	23.6





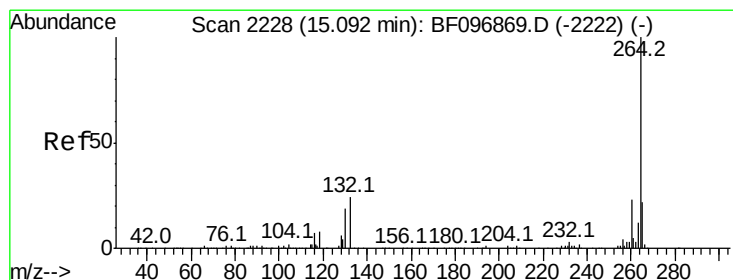
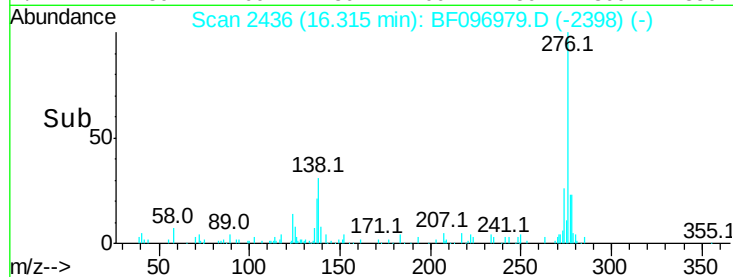
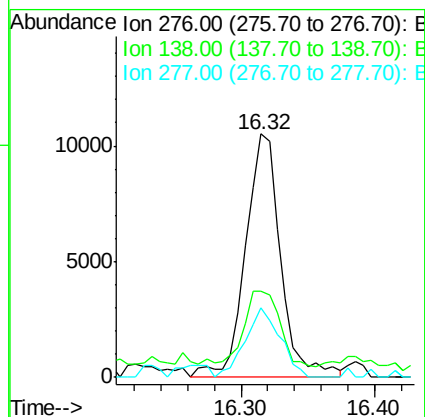
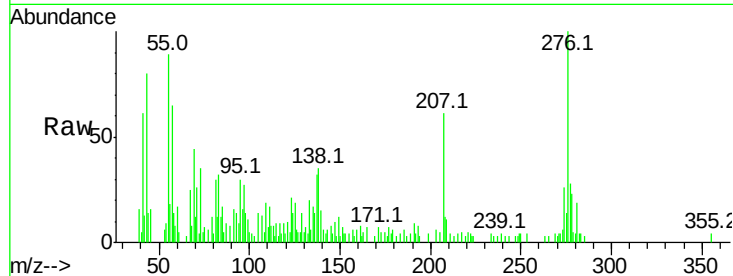
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.763 ng
 RT: 16.32 min Scan# 2436
 Delta R.T. -0.08 min
 Lab File: BF096979.D
 Acq: 22 Jul 2017 9:14

Instrument :
 BNA_F
 ClientSampled :
 E2-N5-BASE

Tot Ion:	276	Resp:	19089
Ion Ratio	Lower	Upper	
276	100		
138	33.0	27.8	41.6
277	28.3	20.2	30.4

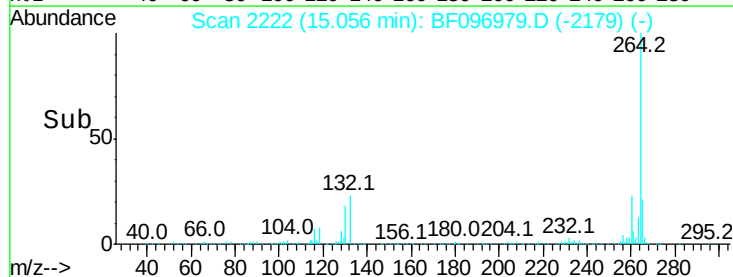
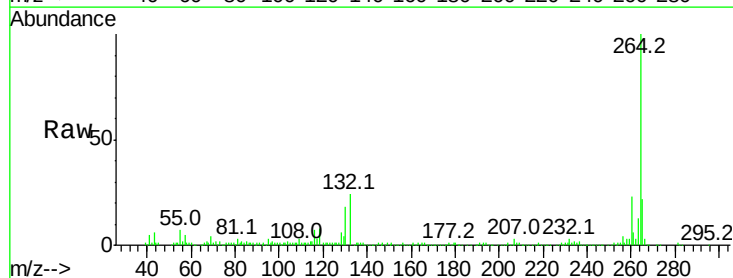
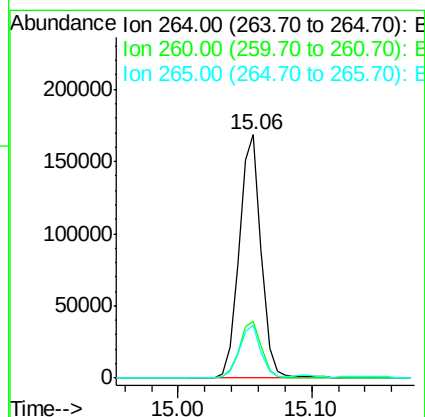
Manual Integrations
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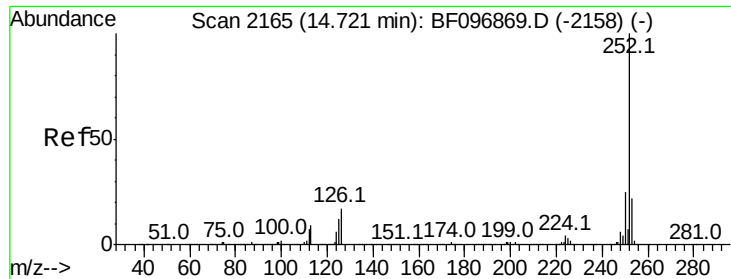
Sohil
 7/24/2017 3:05:36 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.06 min Scan# 2222
 Delta R.T. -0.05 min
 Lab File: BF096979.D
 Acq: 22 Jul 2017 9:14

Tgt Ion:	264	Resp:	192591
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.5	29.3
265	21.6	17.2	25.8





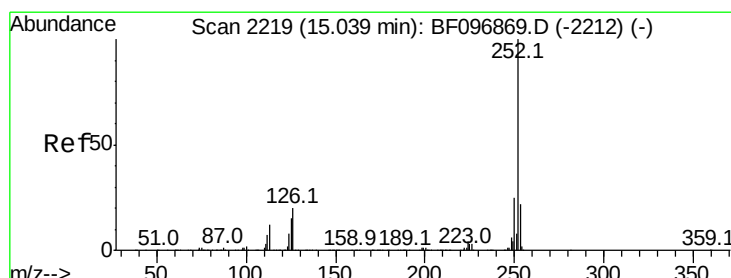
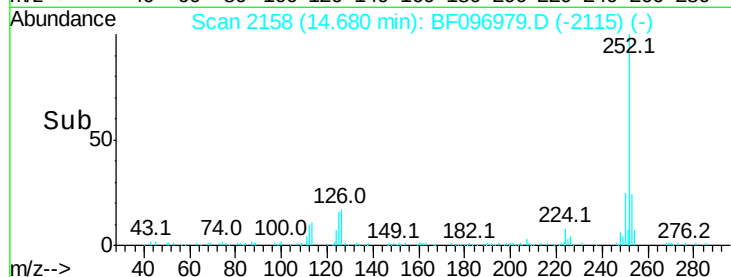
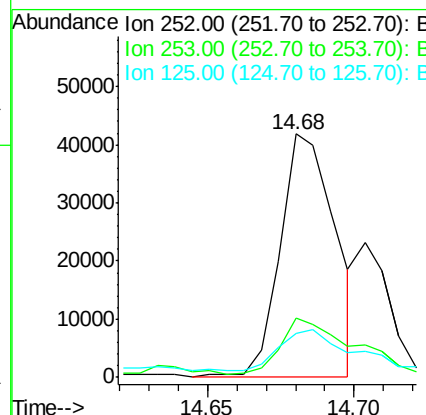
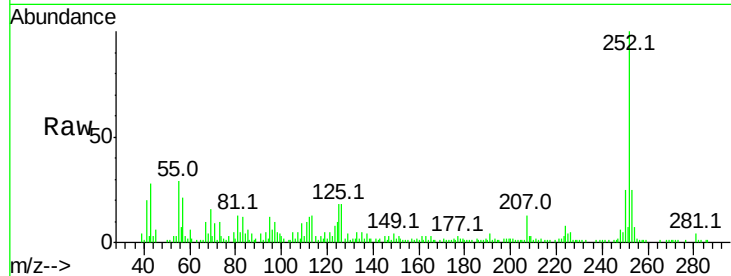
#87
Benzo(b)fluoranthene
Concen: 4.700 ng m
RT: 14.68 min Scan# 2158
Delta R.T. -0.05 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Instrument :
BNA_F
ClientSampled :
E2-N5-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	18.1	9.8	14.8

Manual Integrations
APPROVED

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7/24/2017 3:05:36 PM



#89
Benzo(a)pyrene
Concen: 3.573 ng
RT: 15.00 min Scan# 2212
Delta R.T. -0.05 min
Lab File: BF096979.D
Acq: 22 Jul 2017 9:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.5	26.3
125	20.3	11.0	16.4

