

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096980.D
 Acq On : 22 Jul 2017 9:42
 Operator : SJ/JU
 Sample : I4305-04 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-BASE

Manual Integrations
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Quant Time: Jul 24 05:04:42 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	114833	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	408146	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	140789	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	195253	20.00	ng	-0.04
75) Chrysene-d12	13.69	240	212526	20.00	ng	-0.05
86) Perylene-d12	15.05	264	175191	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	167806	21.97	ng	-0.02
7) Phenol-d6	6.23	99	187051	20.41	ng	-0.02
23) Nitrobenzene-d5	7.12	82	90814	13.78	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	18288	15.22	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	145785	16.36	ng	-0.05
78) Terphenyl-d14	12.64	244	89822	7.33	ng	-0.05
Target Compounds						
70) Phenanthrene	11.09	178	57465	5.413	ng	99
74) Fluoranthene	12.27	202	64408	6.338	ng	98
77) Pyrene	12.49	202	58743	3.046	ng	98
80) Benzo(a)anthracene	13.68	228	35205	2.659	ng	98
82) Chrysene	13.71	228	32073	2.460	ng	94
85) Indeno(1,2,3-cd)pyrene	16.32	276	8997	4.046	ng	# 87
87) Benzo(b)fluoranthene	14.68	252	33637m	3.184	ng	
89) Benzo(a)pyrene	15.00	252	22512	2.323	ng	# 89

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

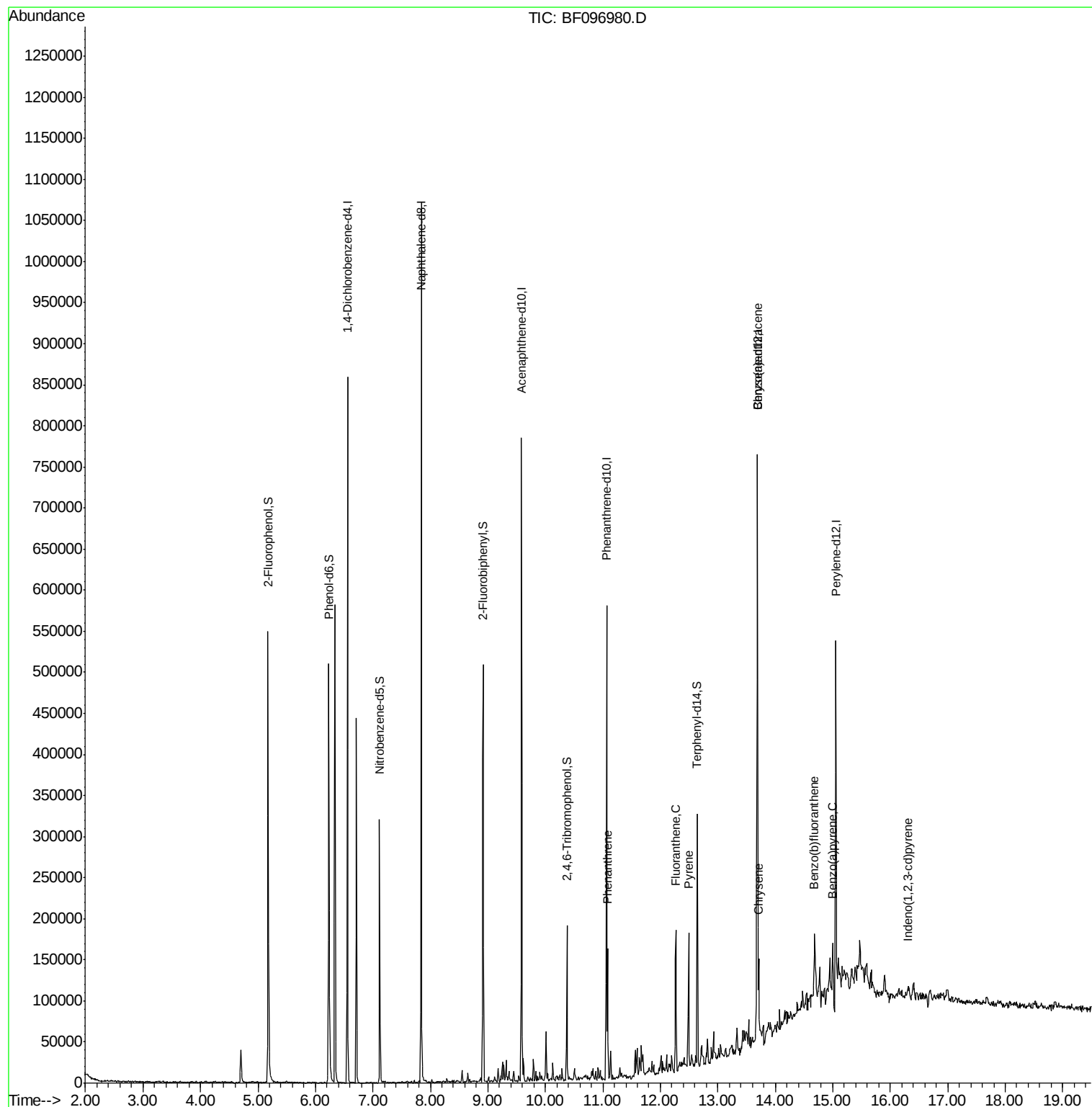
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096980.D
Acq On : 22 Jul 2017 9:42
Operator : SJ/JU
Sample : I4305-04 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

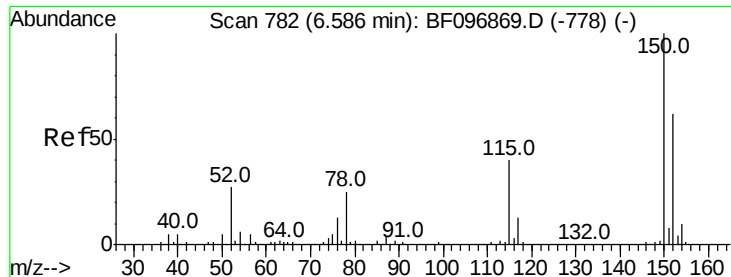
Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

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Quant Time: Jul 24 05:04:42 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

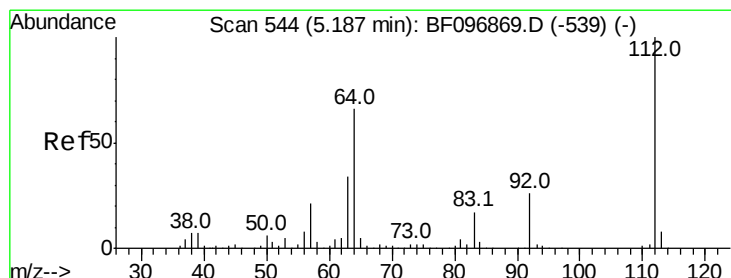
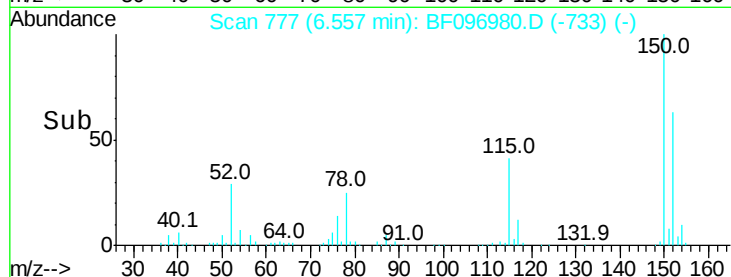
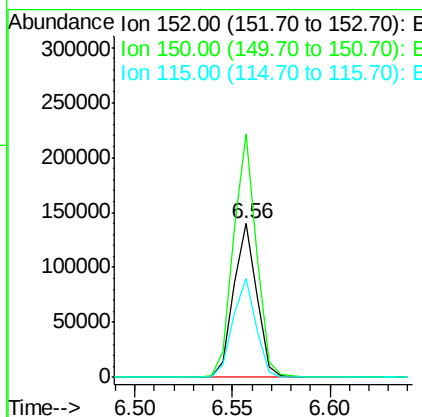
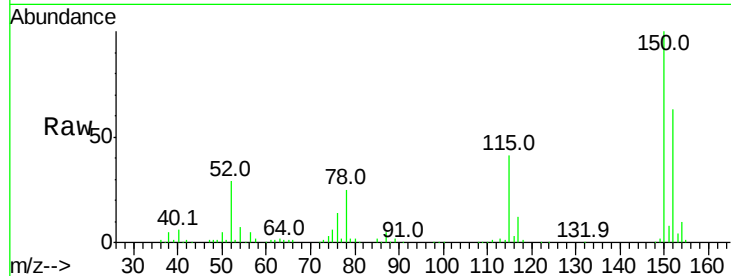
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.56 min Scan# 777
Delta R.T. -0.04 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	64.3	52.2	78.2

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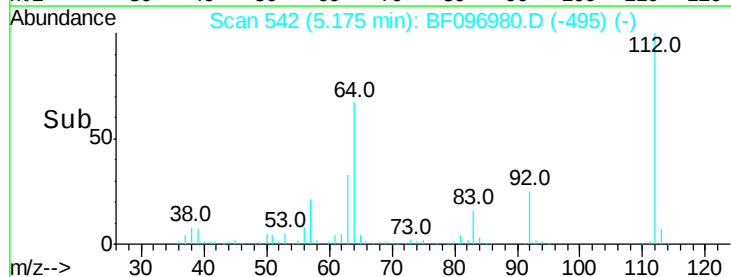
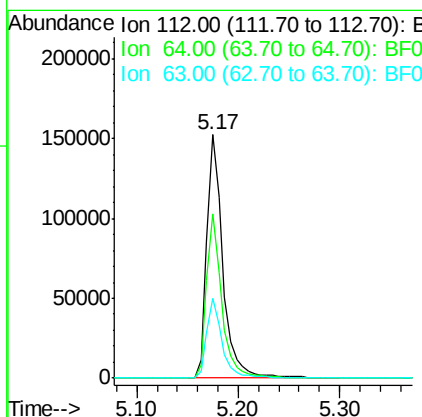
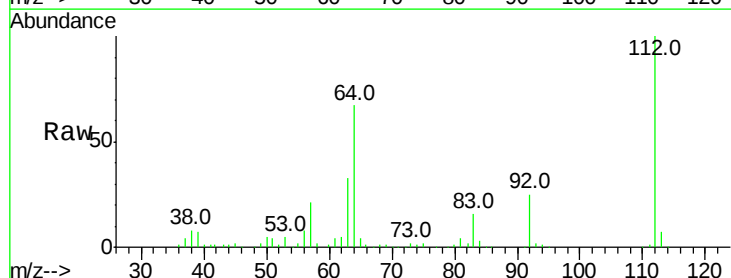
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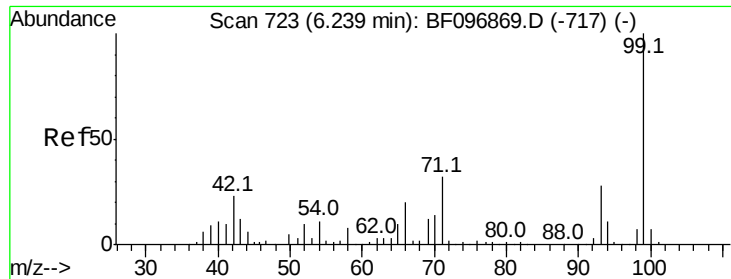


#5

2-Fluorophenol
Concen: 21.972 ng
RT: 5.17 min Scan# 542
Delta R.T. -0.02 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	46.0	69.0
63	32.6	23.4	35.0





#7

Phenol-d6

Concen: 20.409 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

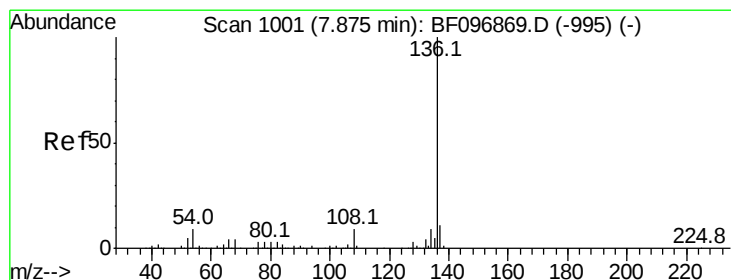
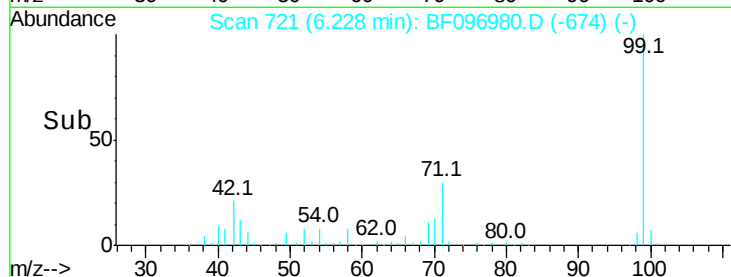
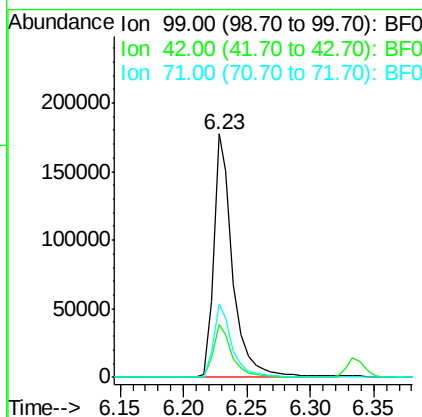
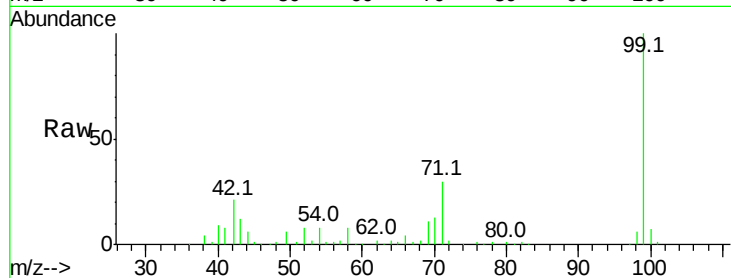
ClientSampleId :

E2-M5-BASE

Tot Ion:	99	Resp:	187051
Ion Ratio	Lower	Upper	
99	100		
42	21.5	13.5	20.3#
71	29.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

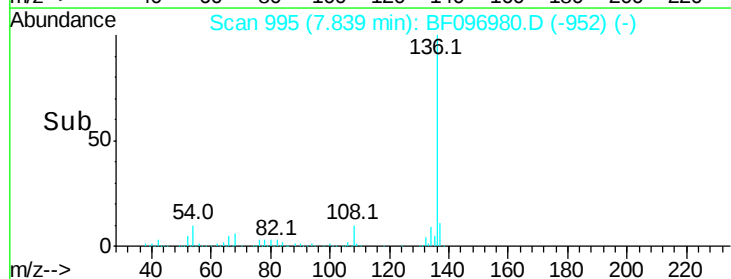
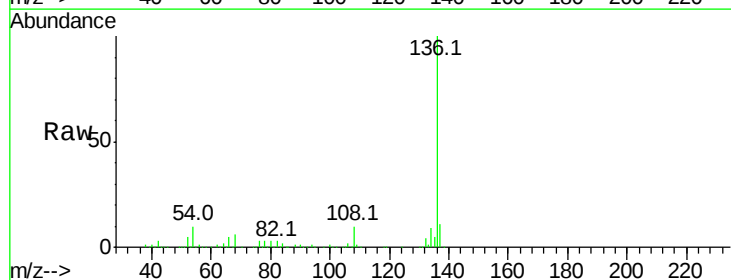
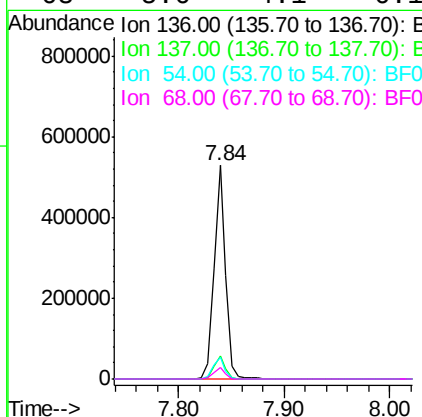
RT: 7.84 min Scan# 995

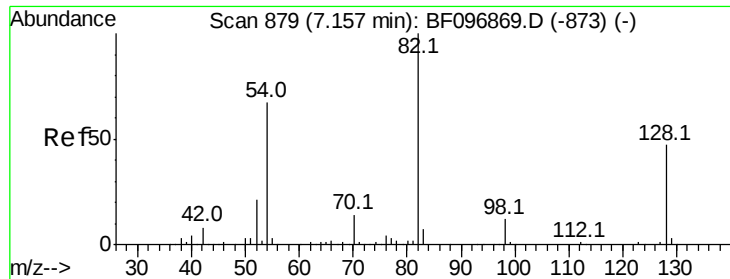
Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Tgt Ion:	136	Resp:	408146
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	10.2	4.9	7.3#
68	5.6	4.1	6.1





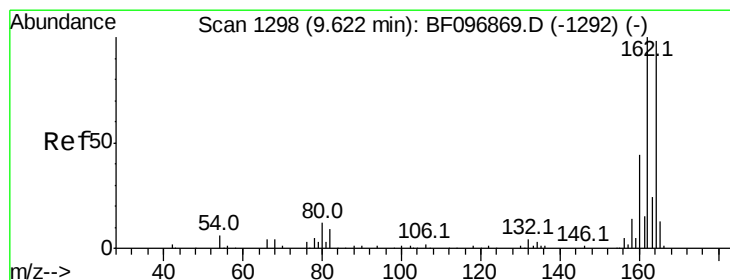
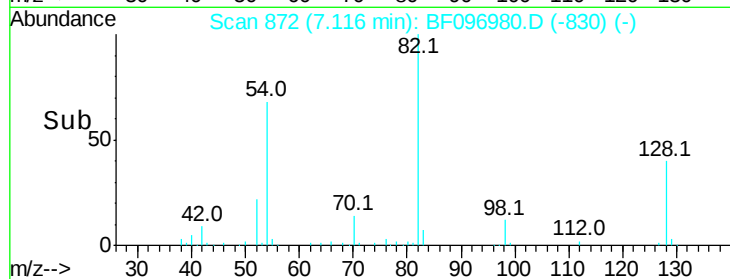
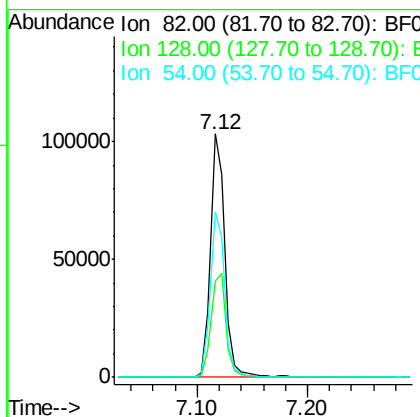
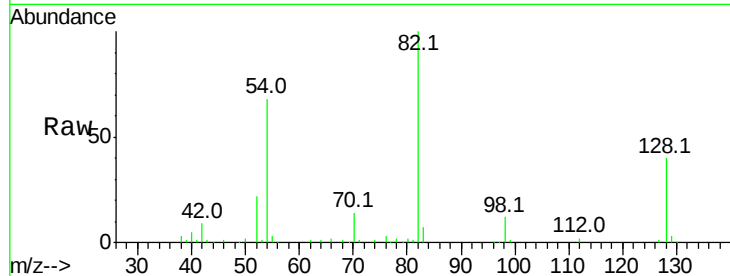
#23
Nitrobenzene-d5
Concen: 13.782 ng
RT: 7.12 min Scan# 872
Delta R.T. -0.05 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.7	34.0	51.0
54	68.0	42.2	63.2#

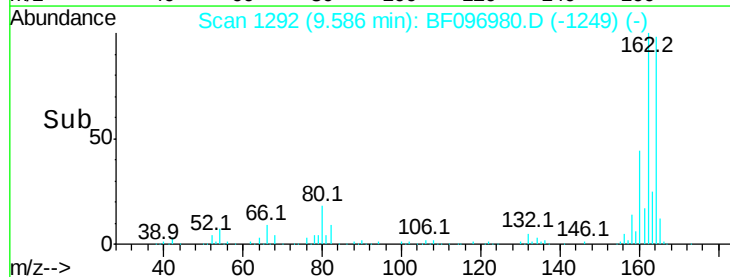
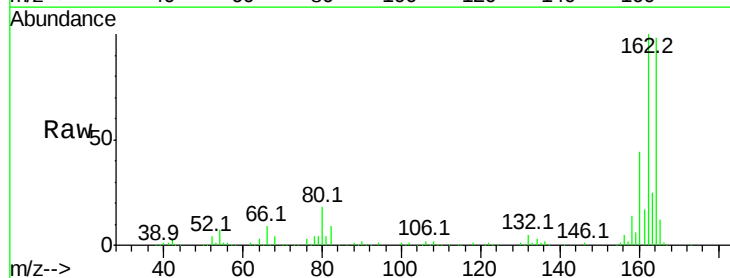
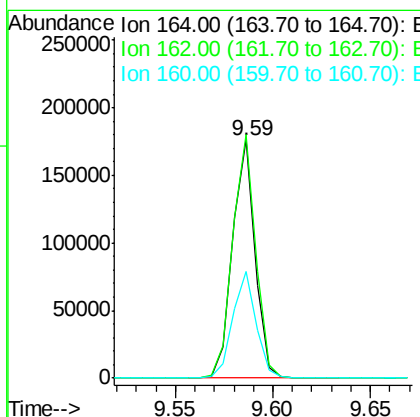
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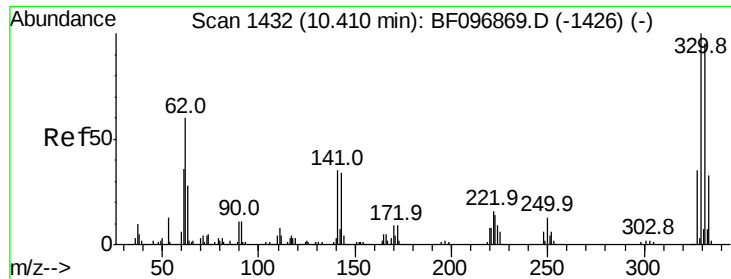
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.59 min Scan# 1292
Delta R.T. -0.05 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	44.7	36.2	54.2





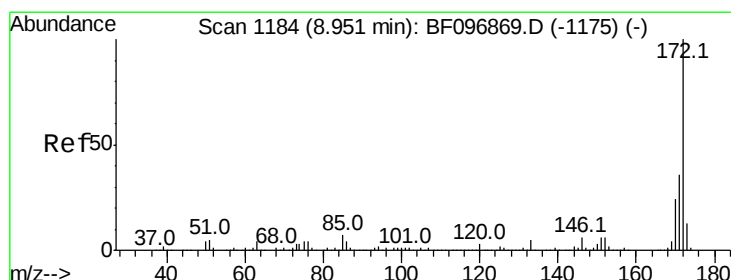
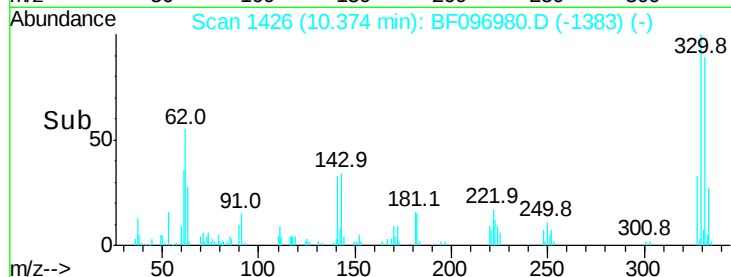
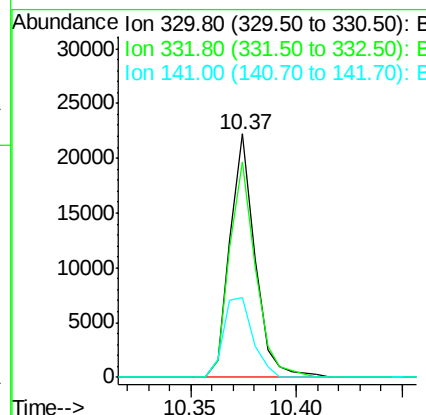
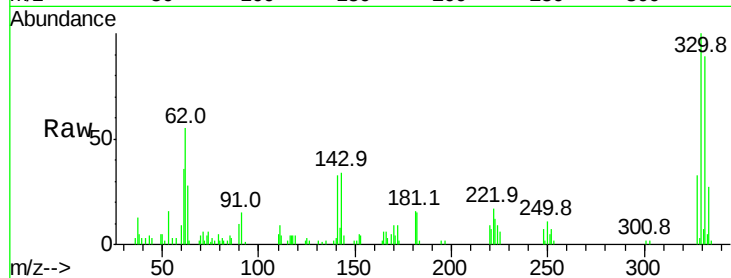
#41
 2,4,6-Tribromophenol
 Concen: 15.218 ng
 RT: 10.37 min Scan# 1426
 Delta R.T. -0.05 min
 Lab File: BF096980.D
 Acq: 22 Jul 2017 9:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.4	76.6	115.0	
141	38.6	31.4	47.2	

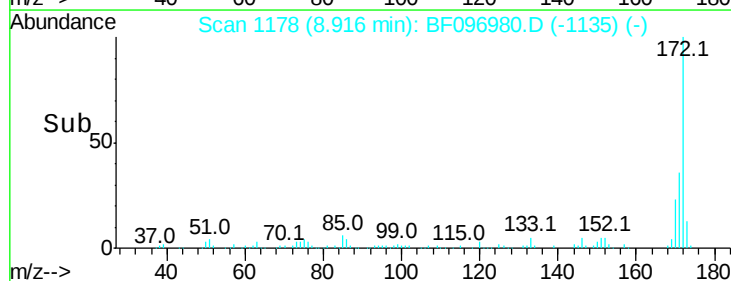
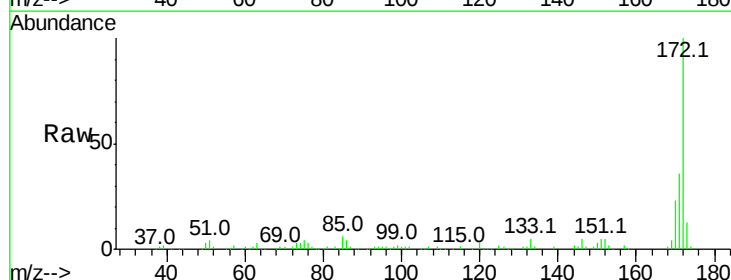
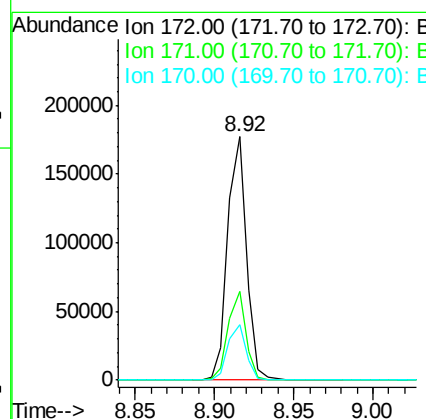
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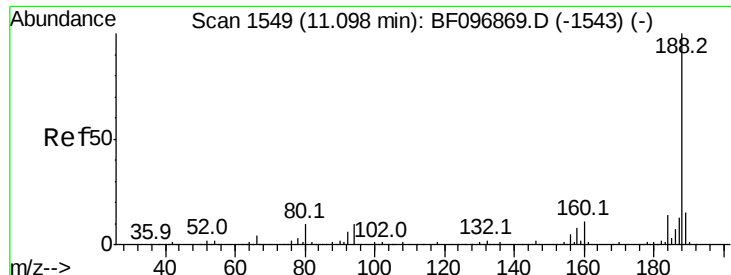
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#44
 2-Fluorobiphenyl
 Concen: 16.360 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF096980.D
 Acq: 22 Jul 2017 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.6	44.4	
170	22.9	19.8	29.8	





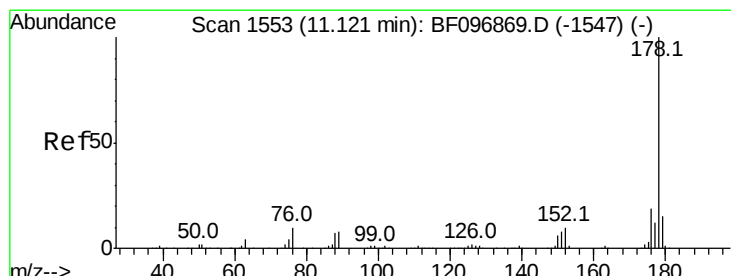
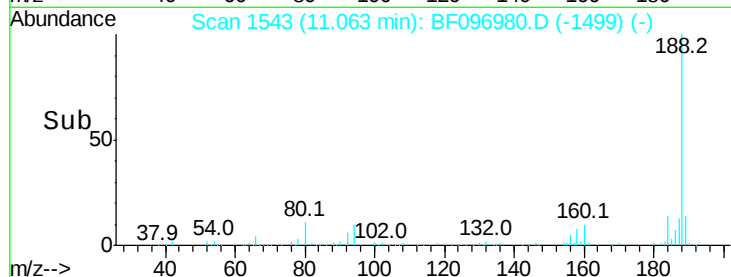
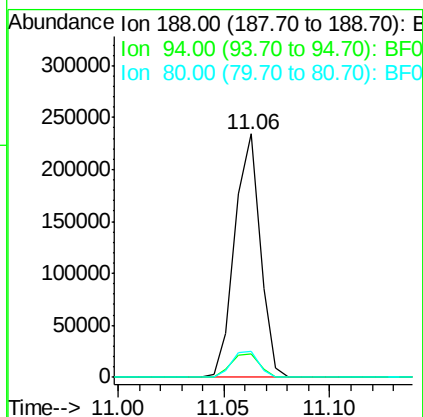
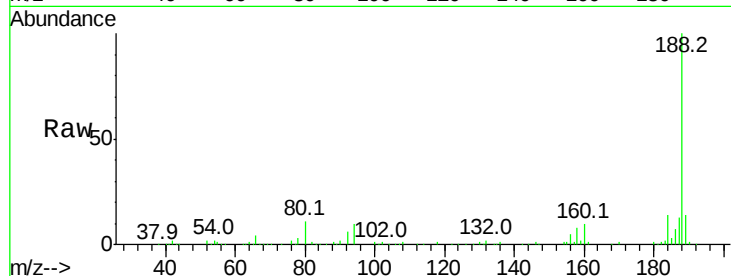
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.06 min Scan# 1543
Delta R.T. -0.04 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

Tot Ion:	188	Resp:	195253
Ion Ratio	Lower	Upper	
188	100		
94	9.9	9.4	14.2
80	10.7	10.2	15.2

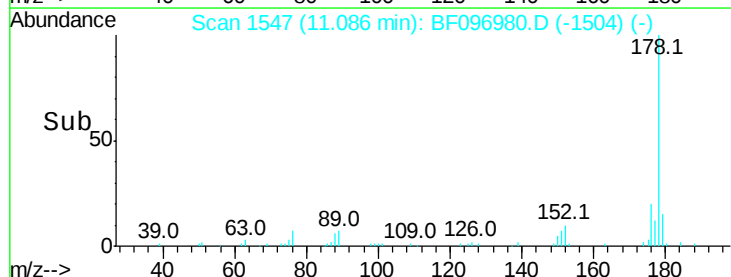
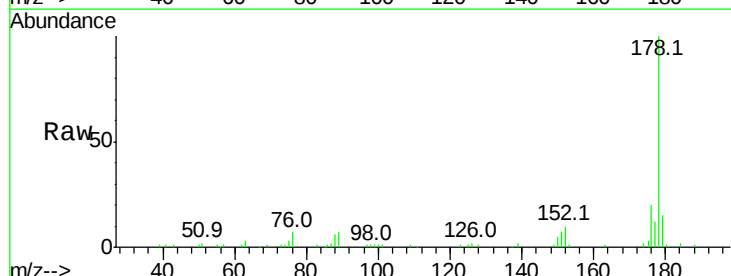
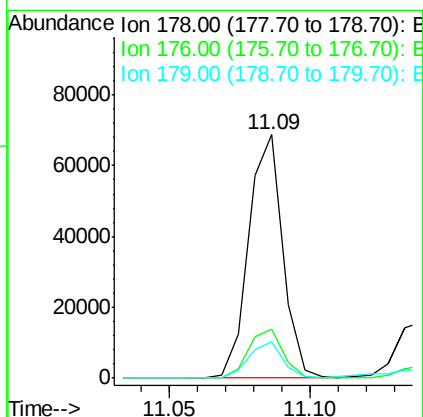
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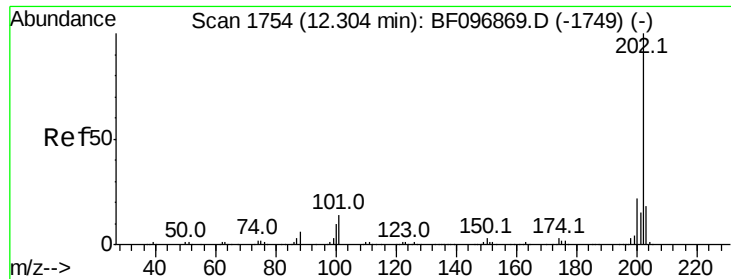
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#70
Phenanthrene
Concen: 5.413 ng
RT: 11.09 min Scan# 1547
Delta R.T. -0.05 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Tgt Ion:	178	Resp:	57465
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.2	24.4
179	14.7	12.6	19.0





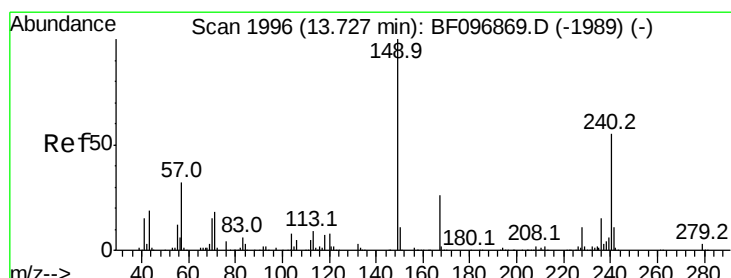
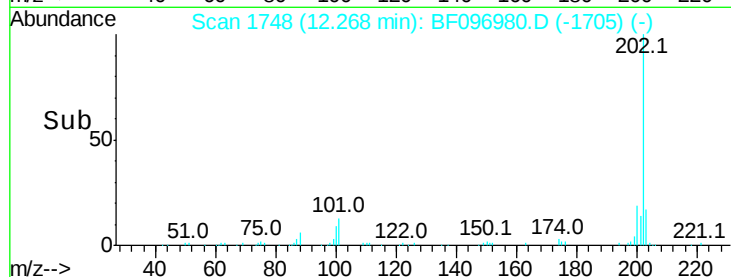
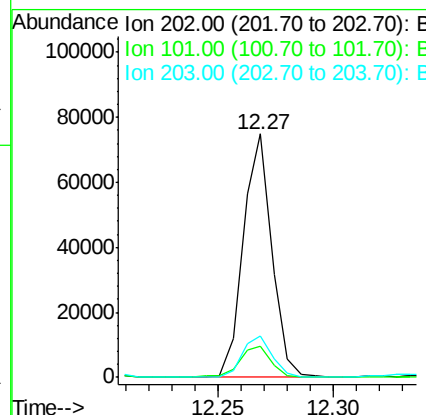
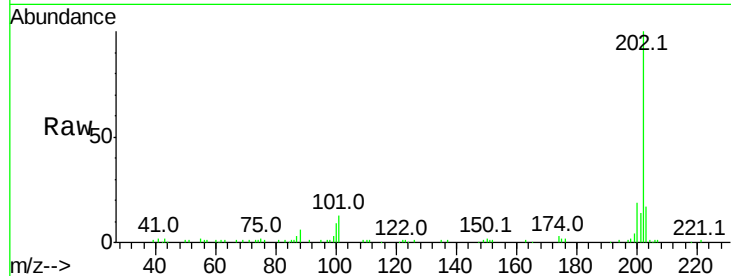
#74
 Fluoranthene
 Concen: 6.338 ng
 RT: 12.27 min Scan# 1748
 Delta R.T. -0.05 min
 Lab File: BF096980.D
 Acq: 22 Jul 2017 9:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-BASE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.0	0.0	38.1

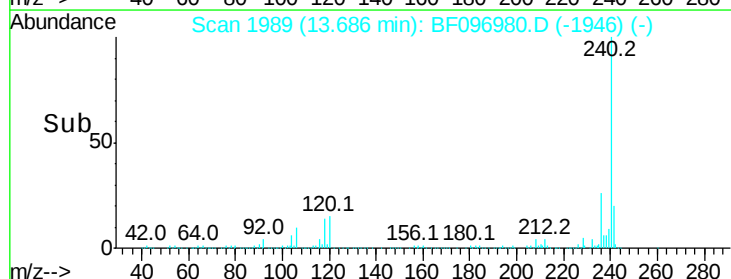
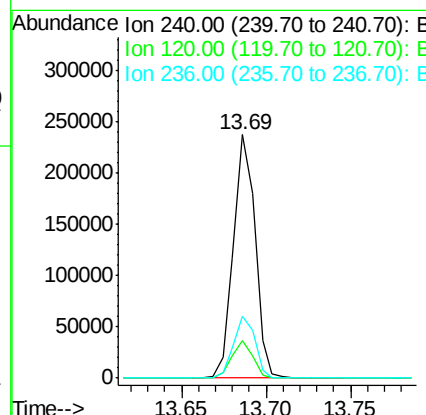
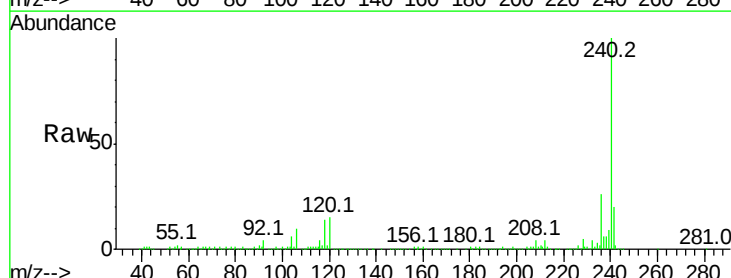
Manual Integrations
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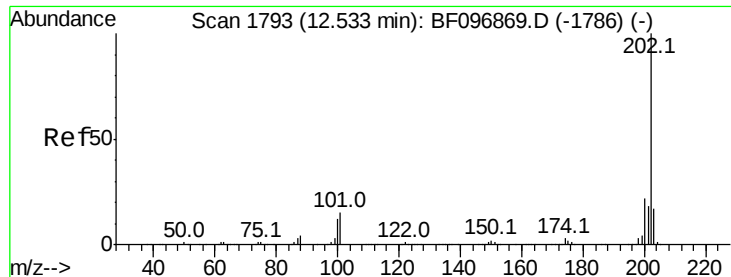
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.69 min Scan# 1989
 Delta R.T. -0.05 min
 Lab File: BF096980.D
 Acq: 22 Jul 2017 9:42

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.4	5.8	8.8#
236	25.5	20.5	30.7





#77

Pvrene

Concen: 3.046 ng

RT: 12.49 min Scan# 1786

Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

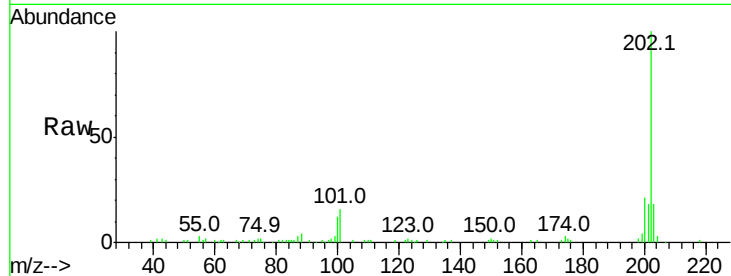
ClientSampleId :

E2-M5-BASE

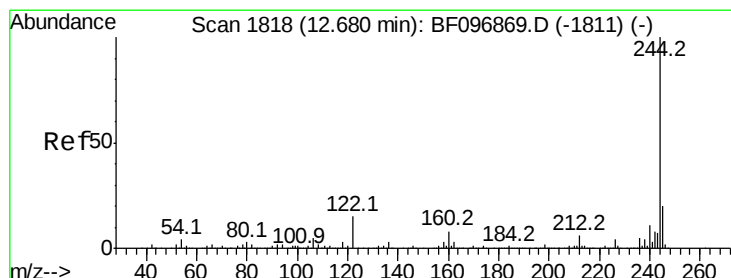
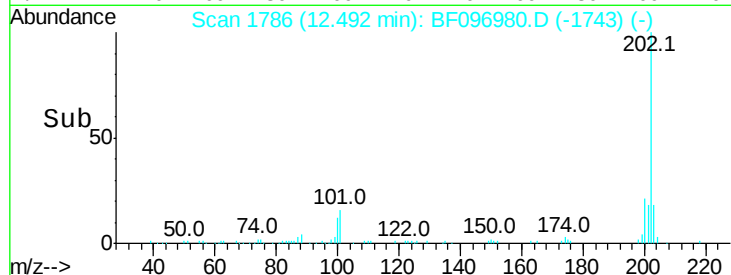
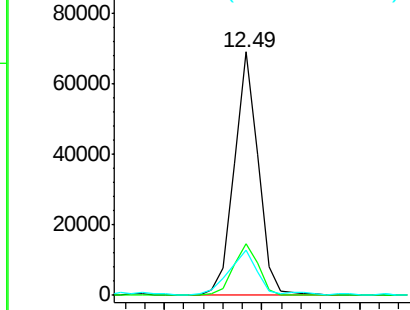
Tot Ion:	202	Resp:	58743
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.6	26.4
203	18.4	14.4	21.6

Manual Integrations
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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: 7.330 ng

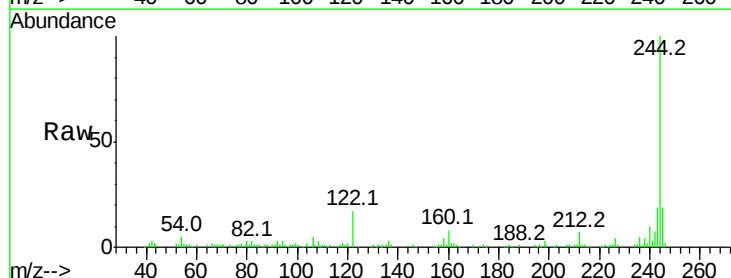
RT: 12.64 min Scan# 1811

Delta R.T. -0.05 min

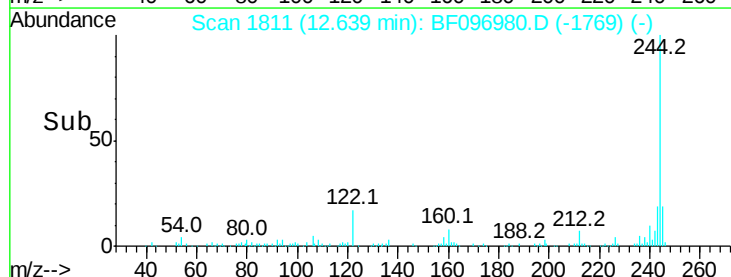
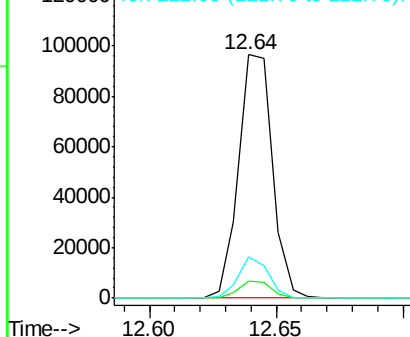
Lab File: BF096980.D

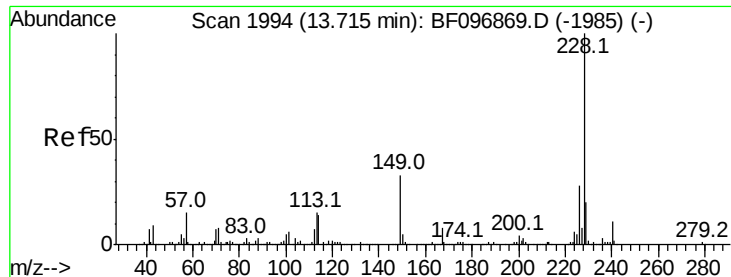
Acq: 22 Jul 2017 9:42

Tgt Ion:	244	Resp:	89822
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	16.9	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: 2.659 ng

RT: 13.68 min Scan# 1988

Delta R.T. -0.04 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

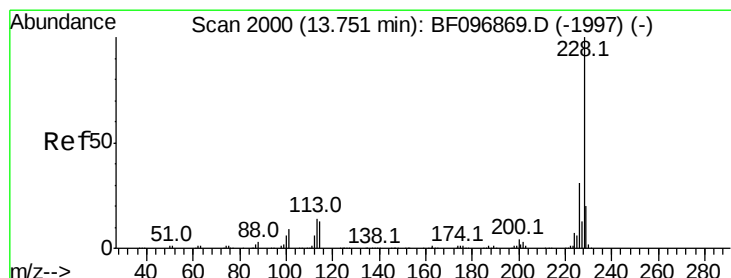
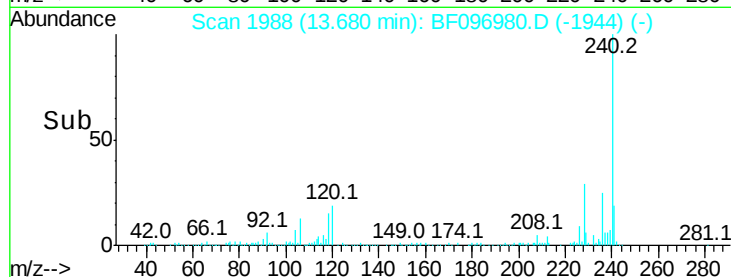
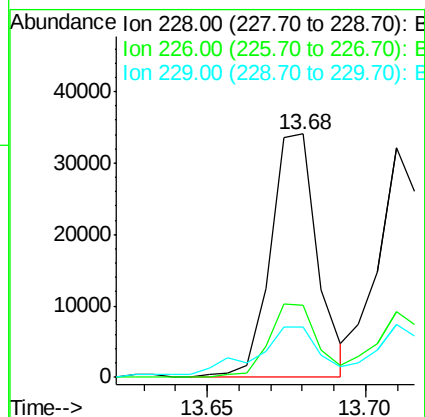
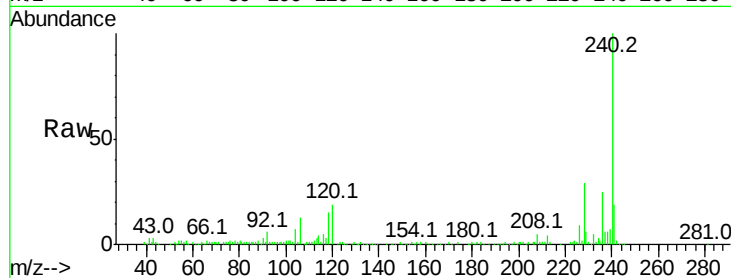
ClientSampleId :

E2-M5-BASE

Tot Ion:	228	Resp:	35205
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.6	33.8
229	20.9	16.3	24.5

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#82

Chrysene

Concen: 2.460 ng

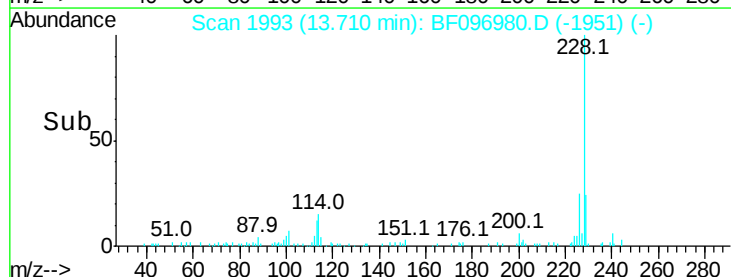
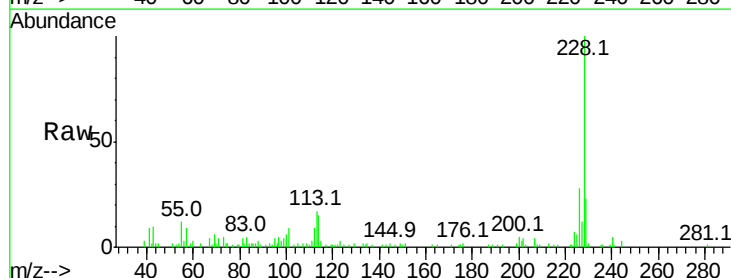
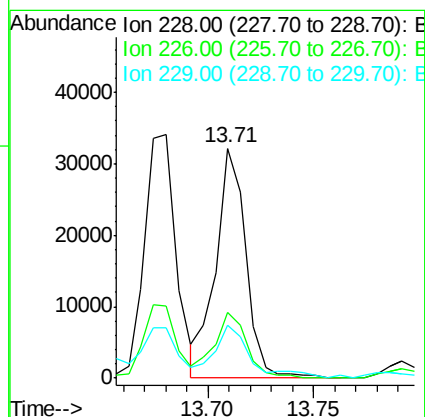
RT: 13.71 min Scan# 1993

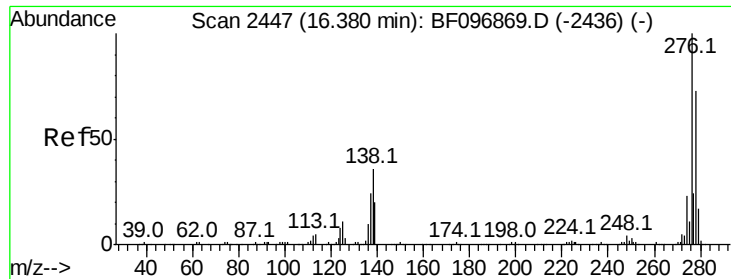
Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Tgt Ion:	228	Resp:	32073
Ion Ratio	Lower	Upper	
228	100		
226	28.4	24.9	37.3
229	23.0	15.8	23.6





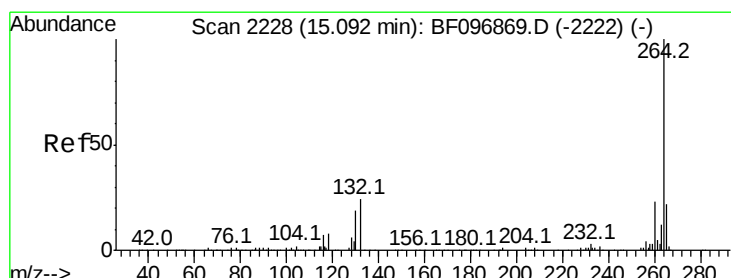
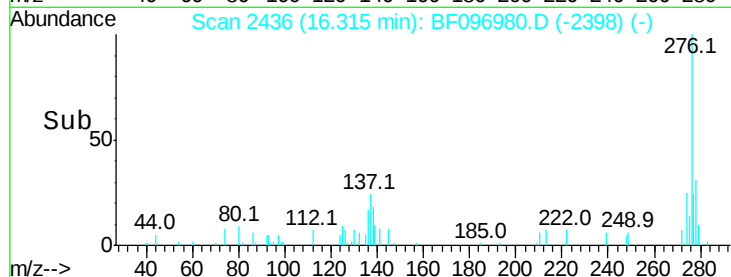
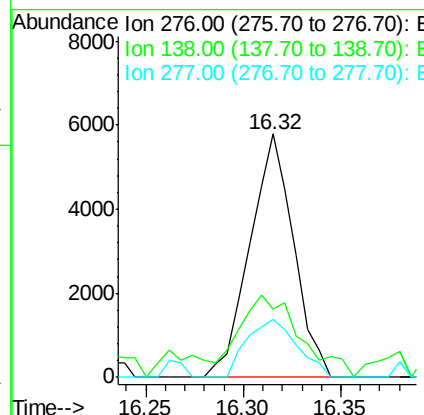
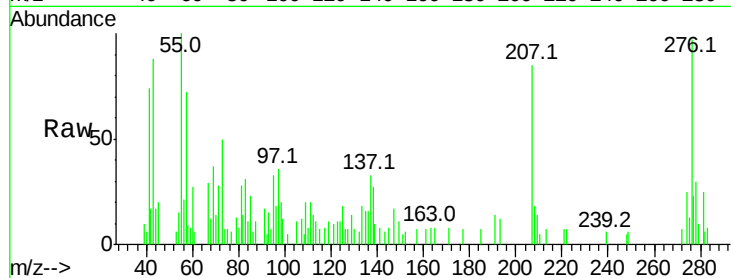
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.046 ng
RT: 16.32 min Scan# 2436
Delta R.T. -0.08 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	46.4	27.8	41.6#
277	27.2	20.2	30.4

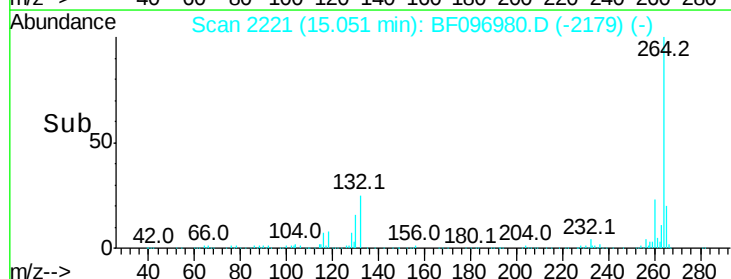
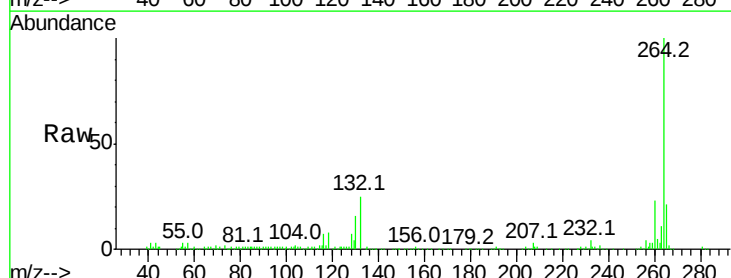
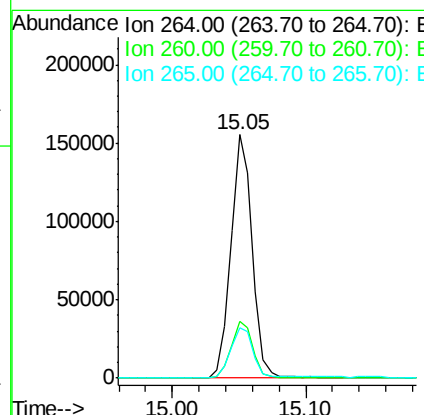
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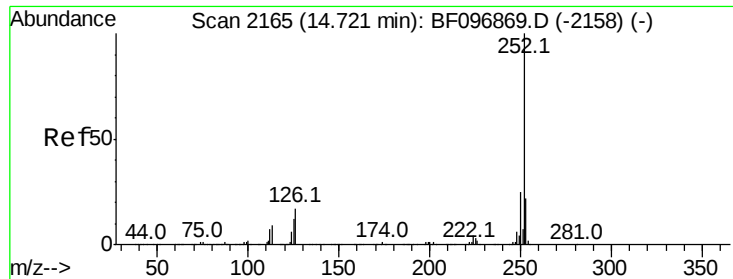
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.05 min Scan# 2221
Delta R.T. -0.05 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	20.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 3.184 ng

RT: 14.68 min Scan# 2158

Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

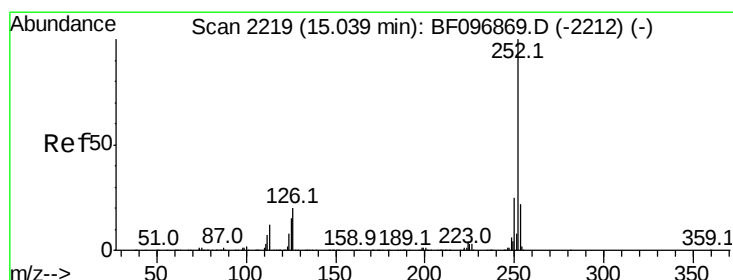
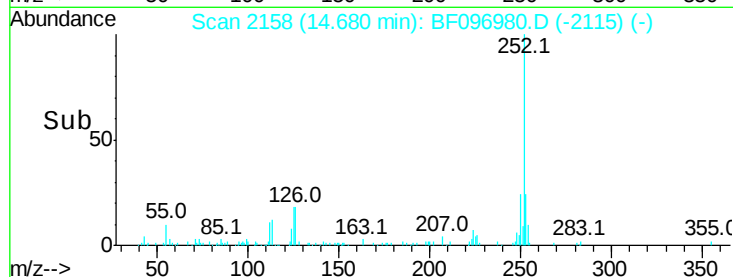
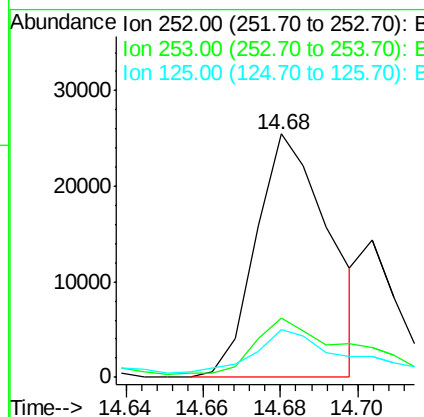
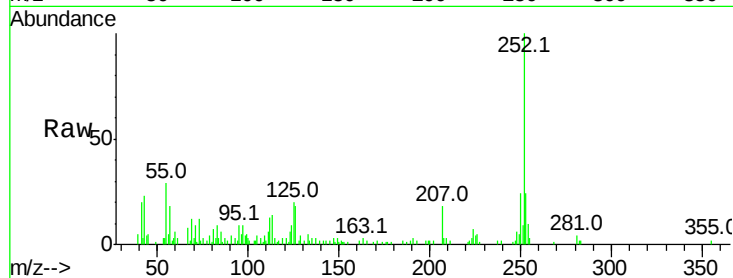
ClientSampleId :

E2-M5-BASE

Tot Ion:	252	Resp:	33637
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.1	27.1
125	19.6	9.8	14.8#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 2.323 ng

RT: 15.00 min Scan# 2212

Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Tgt Ion:	252	Resp:	22512
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.5	26.3#
125	18.9	11.0	16.4#

