

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096259.D
 Acq On : 28 Jun 2017 19:47
 Operator : SJ/MA
 Sample : I3852-12 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-39-1.5-3

Manual Integrations
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Quant Time: Jun 29 04:52:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	149587	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	585076	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	227308	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	377638	20.00	ng	0.00
75) Chrysene-d12	13.93	240	369414	20.00	ng	0.01
86) Perylene-d12	15.36	264	287952	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	219197	21.11	ng	0.00
7) Phenol-d6	6.40	99	257517	20.48	ng	0.01
23) Nitrobenzene-d5	7.33	82	127883	15.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	44346	24.79	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	227746	18.35	ng	-0.01
78) Terphenyl-d14	12.87	244	189011	12.77	ng	0.00
Target Compounds						Qvalue
74) Fluoranthene	12.50	202	115922	5.53	ng	97
77) Pyrene	12.73	202	108608	3.58	ng	96
80) Benzo(a)anthracene	13.92	228	57190	2.54	ng	94
82) Chrysene	13.95	228	65212	2.80	ng	93
87) Benzo(b)fluoranthene	14.94	252	75494m	3.99	ng	
88) Benzo(k)fluoranthene	14.94	252	94741	5.49	ng	# 87
89) Benzo(a)pyrene	15.29	252	39205	2.35	ng	# 75

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

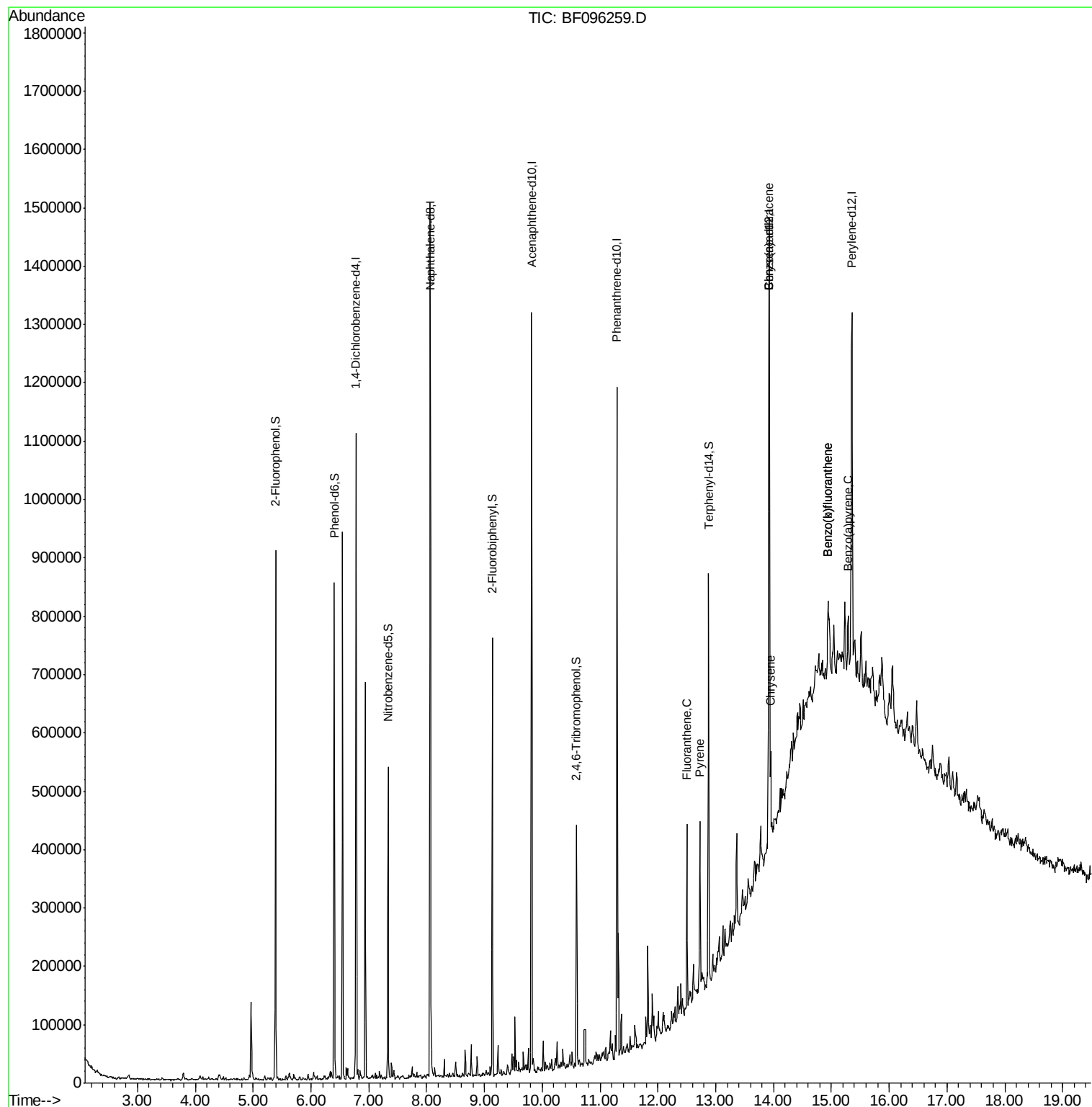
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
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Acq On : 28 Jun 2017 19:47
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G-39-1.5-3

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QLast Update : Wed Jun 28 15:41:49 2017
Response via : Initial Calibration

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#1

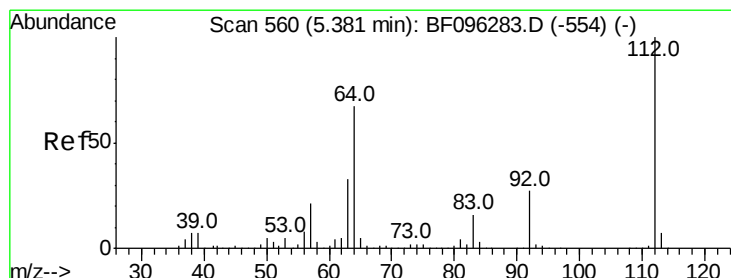
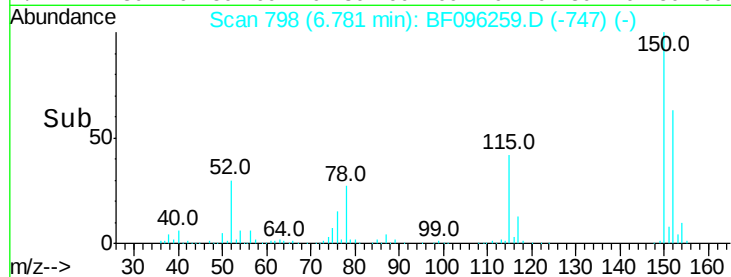
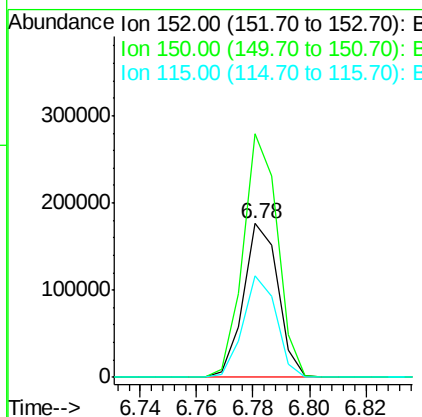
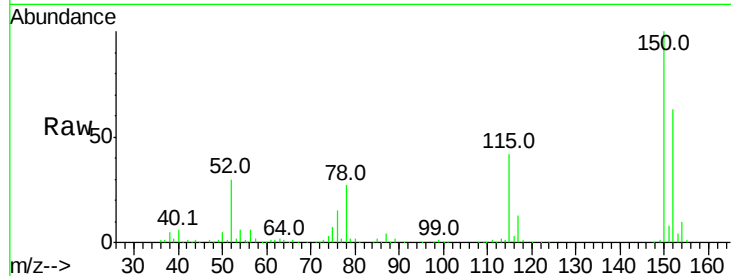
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Instrument :
BNA_F
ClientSampleId :
G-39-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	65.9	52.2	78.2

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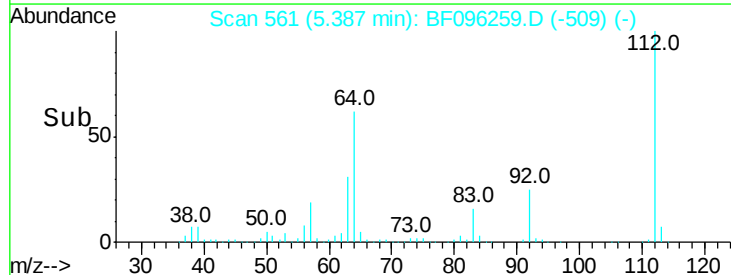
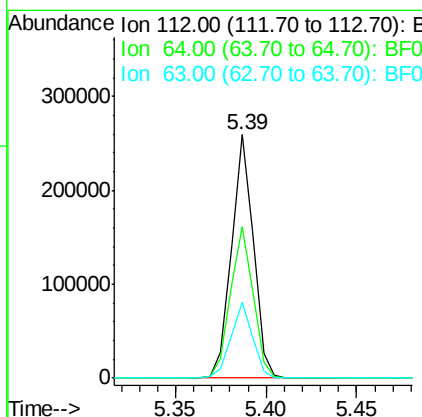
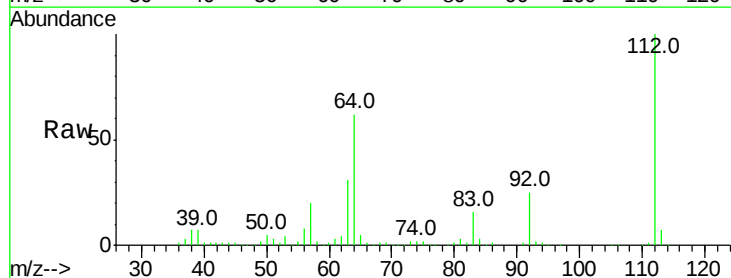
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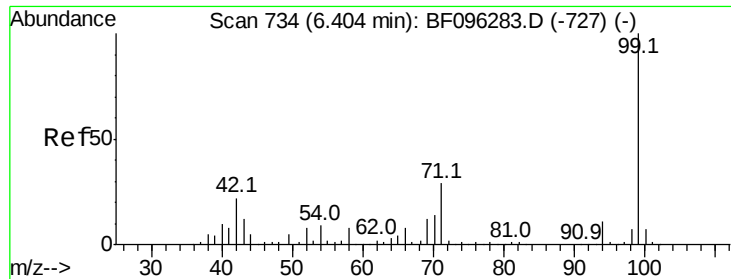


#5

2-Fluorophenol
Concen: 21.11 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	46.0	69.0
63	31.0	23.4	35.0





#7

Phenol-d6

Concen: 20.48 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Instrument :

BNA_F

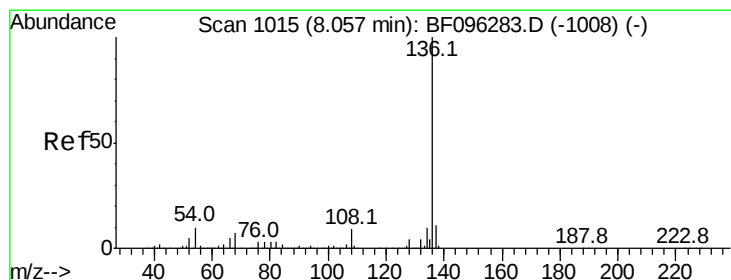
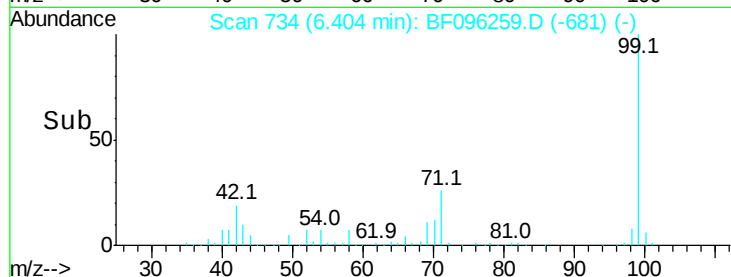
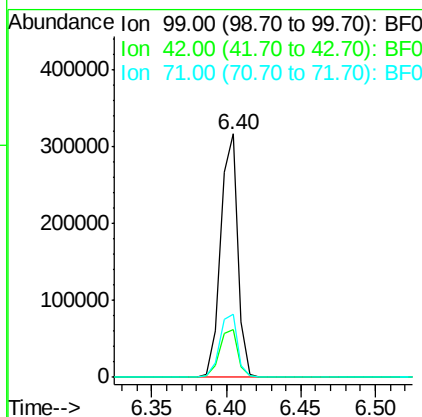
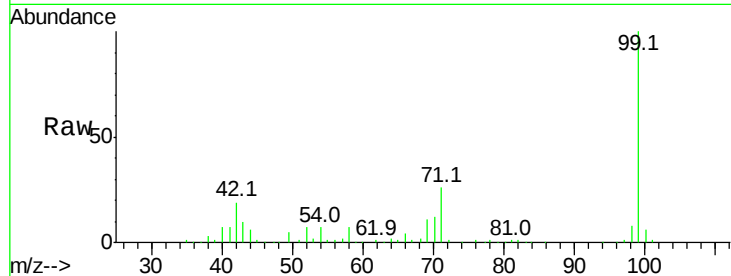
ClientSampleId :

G-39-1.5-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		257517		
42	19.4	13.5	20.3		
71	25.9	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

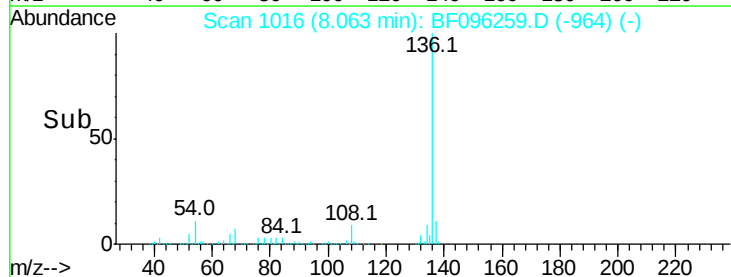
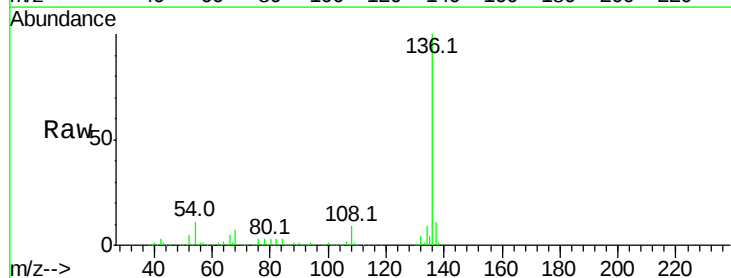
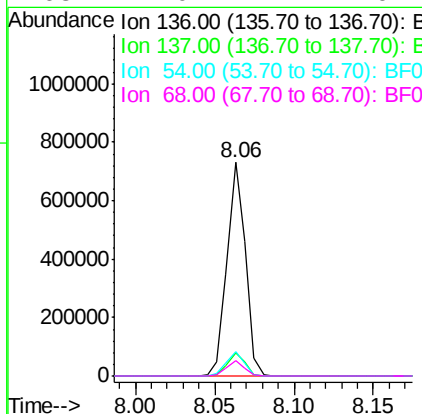
RT: 8.06 min Scan# 1016

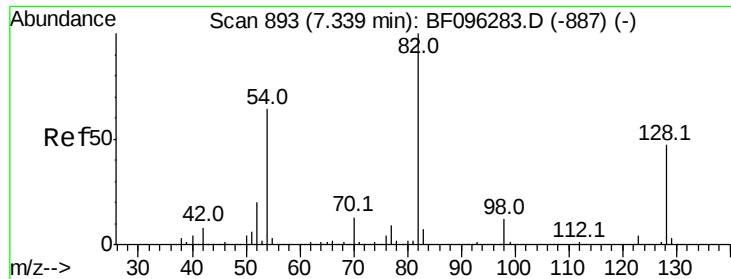
Delta R.T. 0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		585076		
137	10.9	8.5	12.7		
54	11.1	4.9	7.3#		
68	7.0	4.1	6.1#		





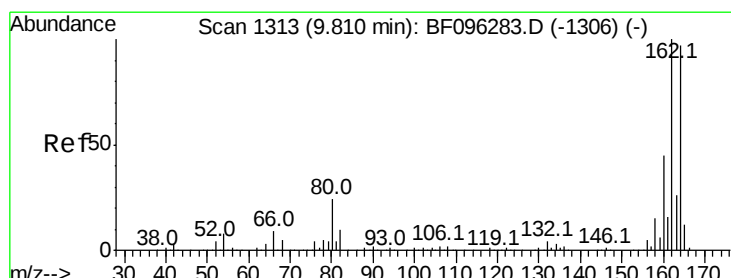
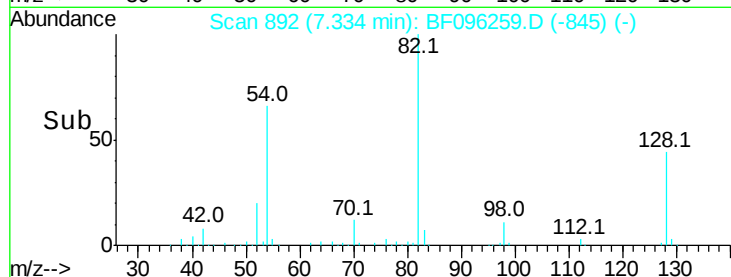
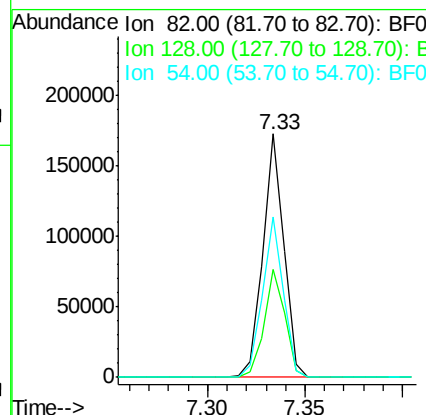
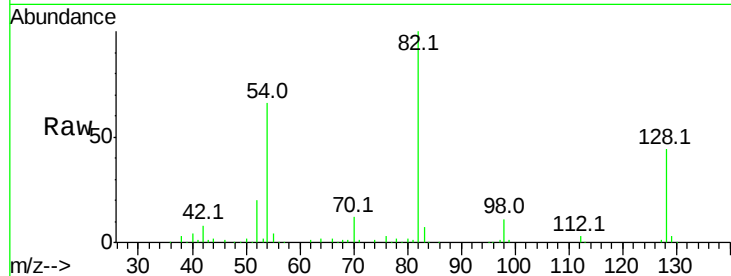
#23
Nitrobenzene-d5
Concen: 15.13 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Instrument :
BNA_F
ClientSampleId :
G-39-1.5-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.0	51.0
54	65.8	42.2	63.2

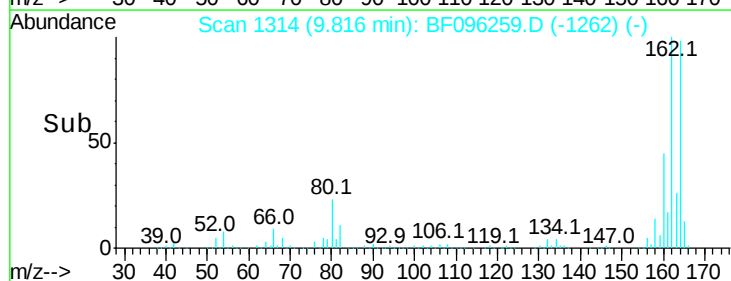
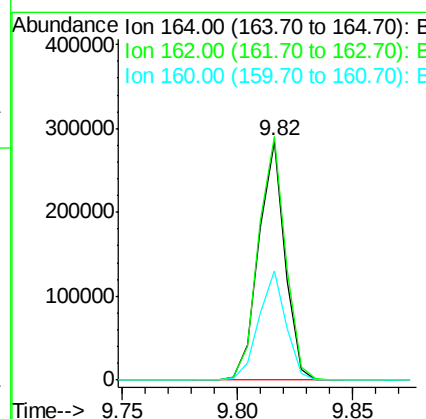
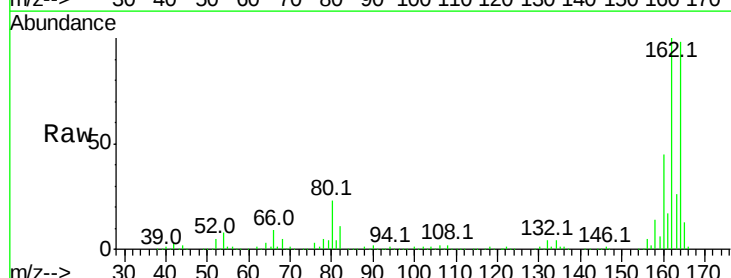
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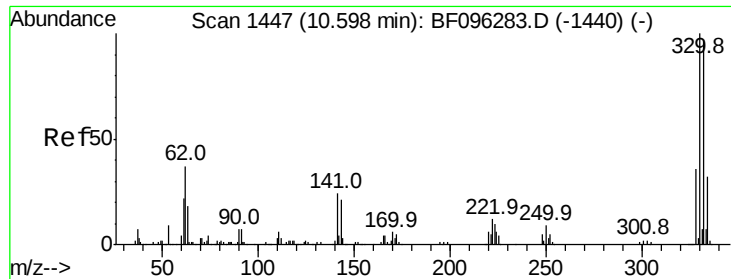
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	45.6	36.2	54.2





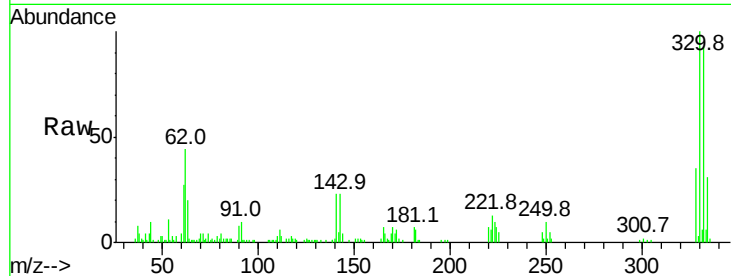
#41
 2,4,6-Tribromophenol
 Concen: 24.79 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096259.D
 Acq: 28 Jun 2017 19:47

Instrument :
 BNA_F
 ClientSampleId :
 G-39-1.5-3

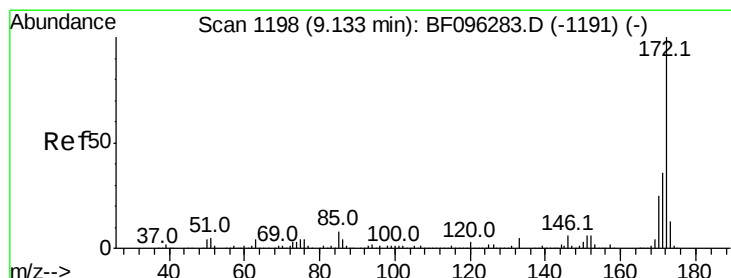
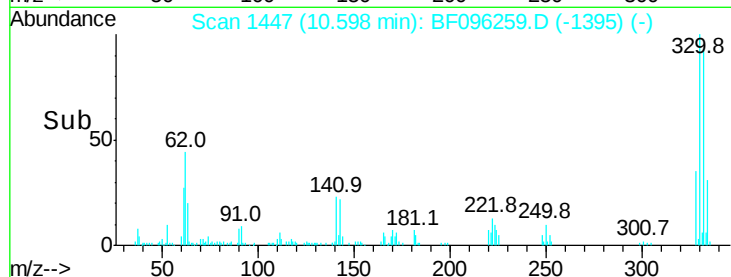
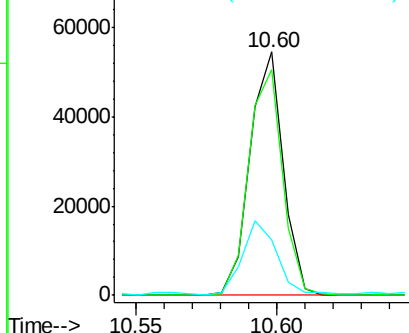
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.6	115.0
141	33.0	31.4	47.2

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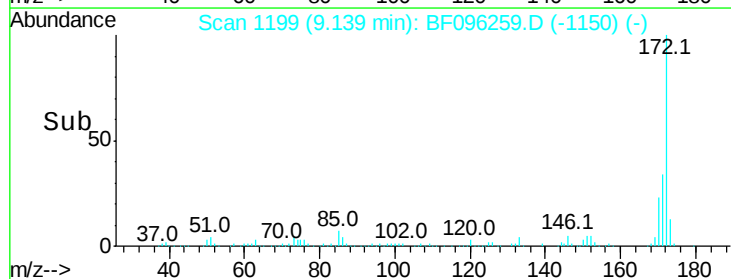
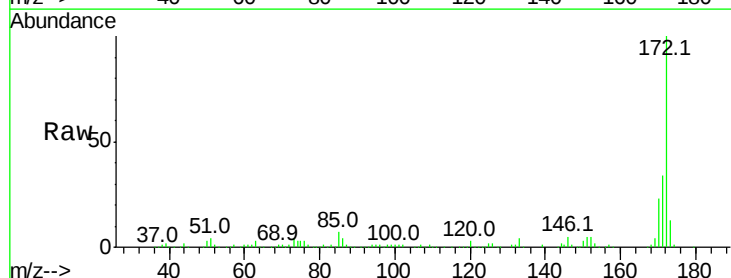
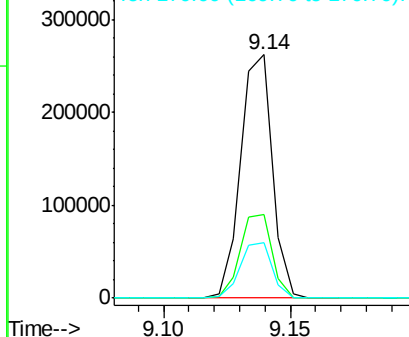
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

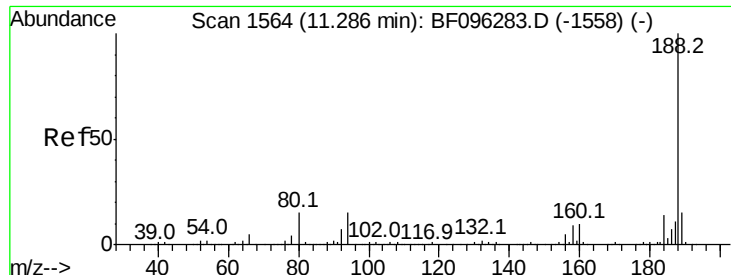


#44
 2-Fluorobiphenyl
 Concen: 18.35 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096259.D
 Acq: 28 Jun 2017 19:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.6	44.4
170	22.7	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





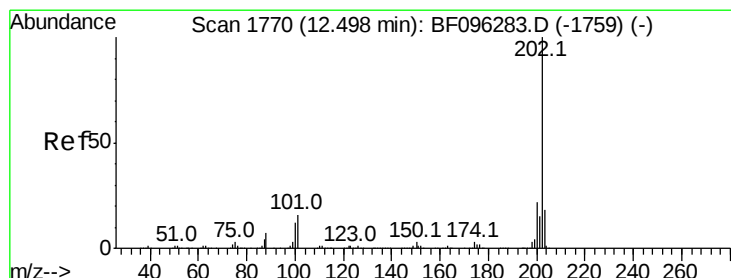
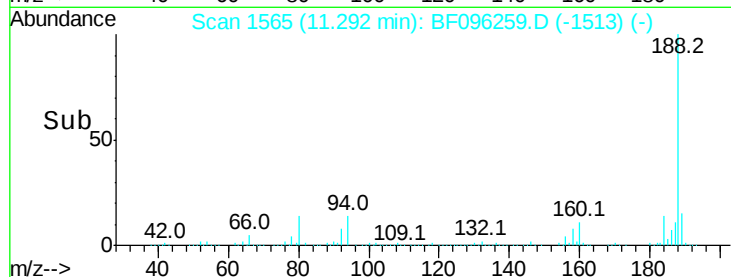
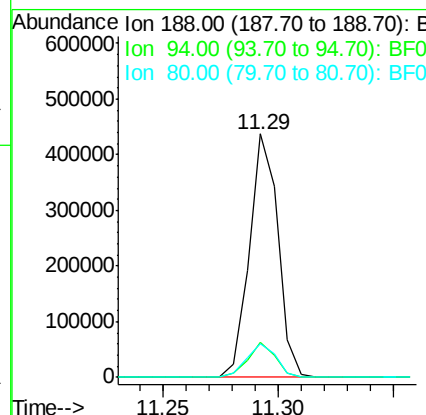
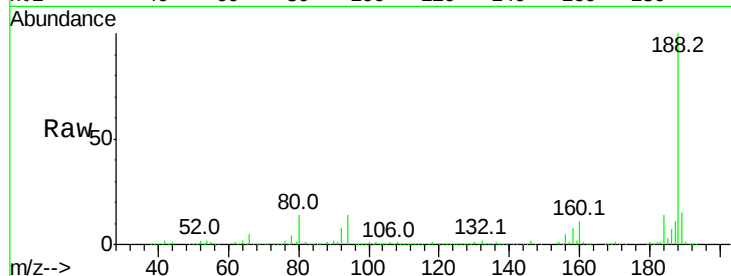
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.01 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Instrument :
BNA_F
ClientSampleId :
G-39-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	14.4	9.4	14.2#
80	14.0	10.2	15.2

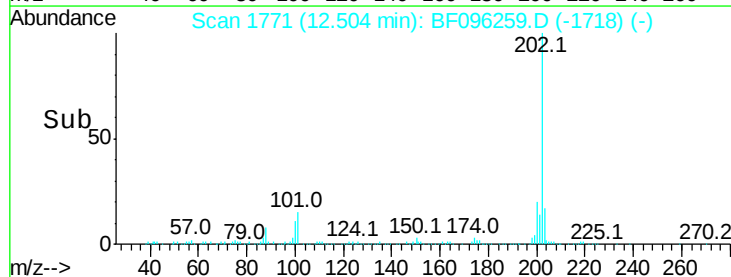
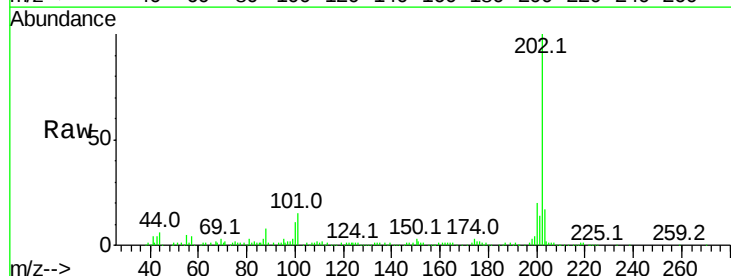
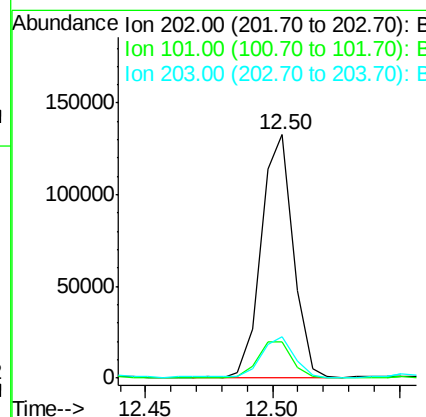
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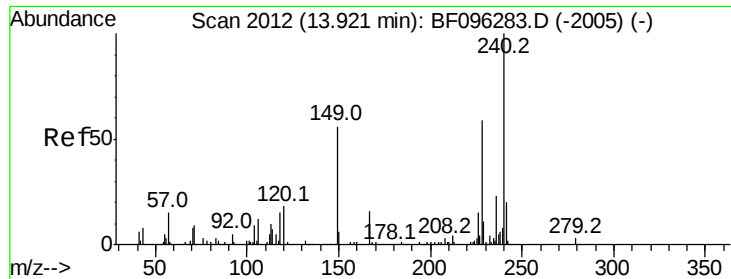
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#74
Fluoranthene
Concen: 5.53 ng
RT: 12.50 min Scan# 1771
Delta R.T. 0.01 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	14.8	0.0	33.2
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Instrument :

BNA_F

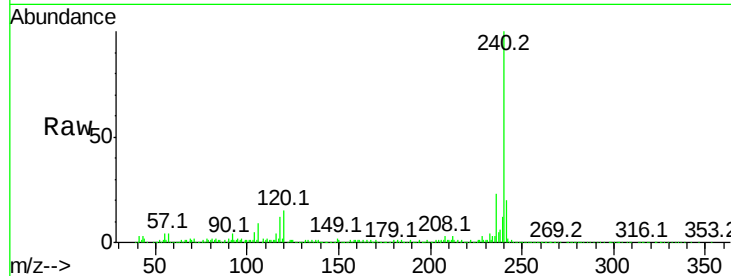
ClientSampleId :

G-39-1.5-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	23.4	20.5	30.7

Manual Integrations
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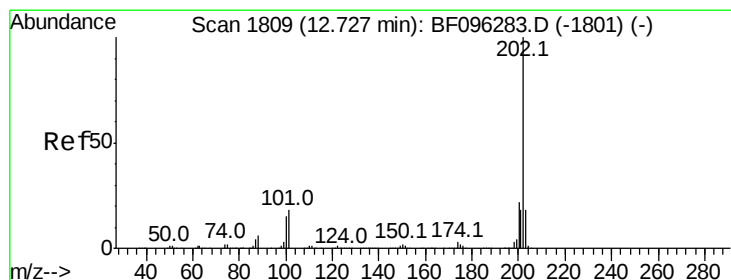
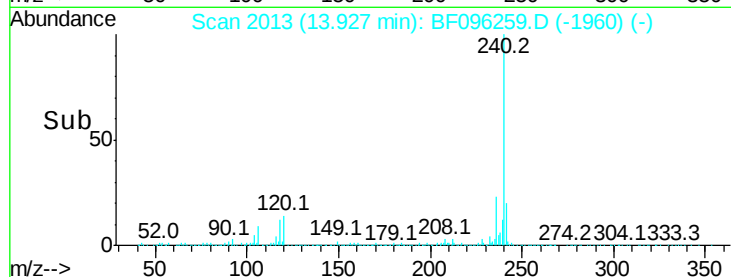
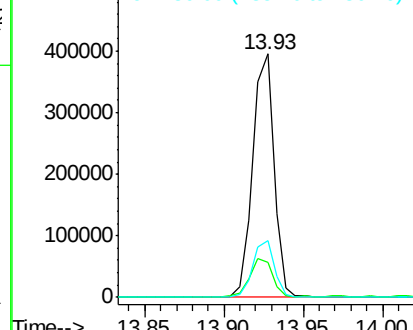
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.58 ng

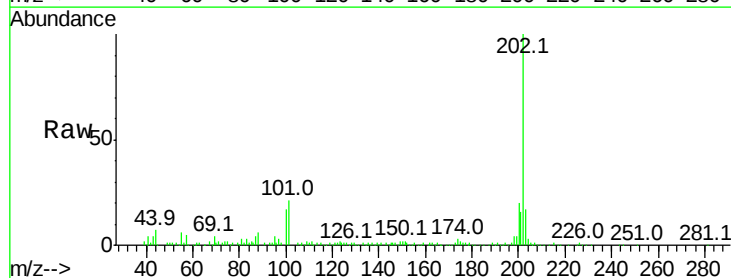
RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

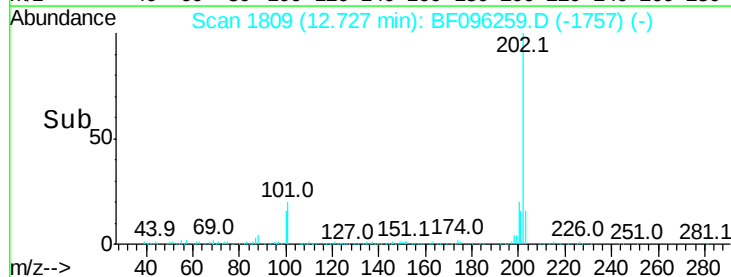
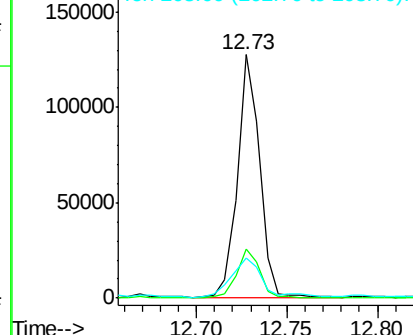
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.6	26.4
203	16.6	14.4	21.6

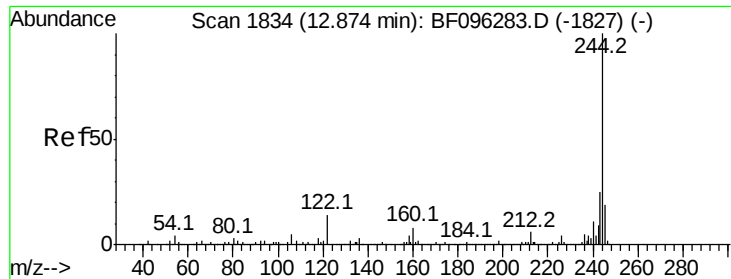


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





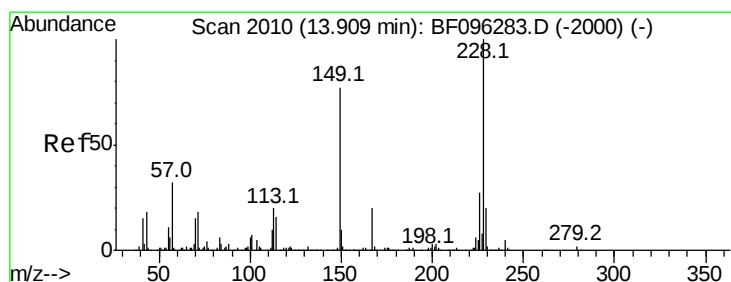
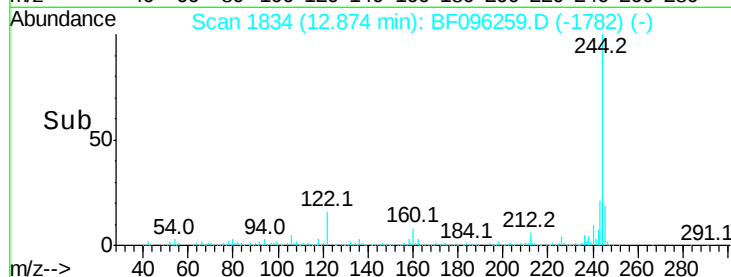
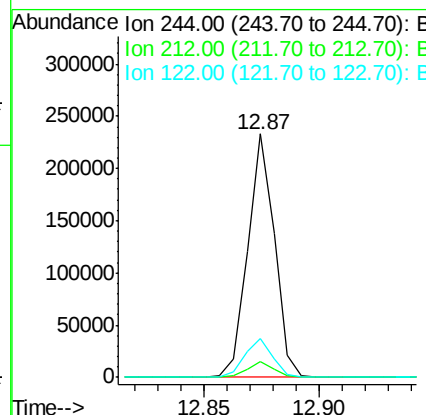
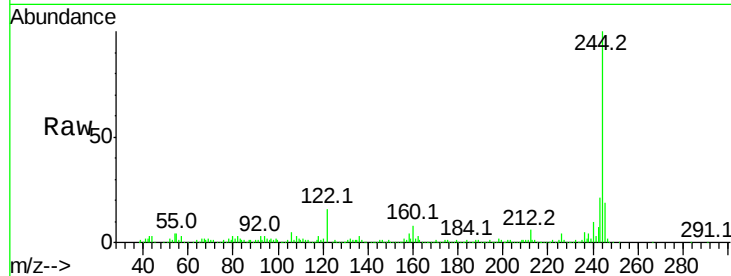
#78
 Terphenyl-d14
 Concen: 12.77 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. 0.01 min
 Lab File: BF096259.D
 Acq: 28 Jun 2017 19:47

Instrument :
 BNA_F
 ClientSampleId :
 G-39-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.4	6.0	9.0	
122	16.1	10.3	15.5	

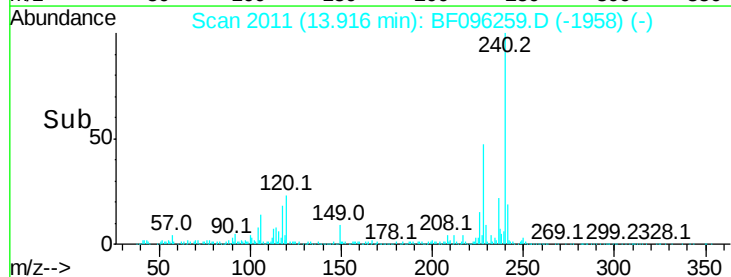
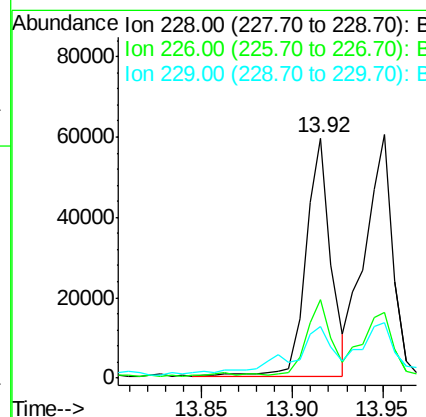
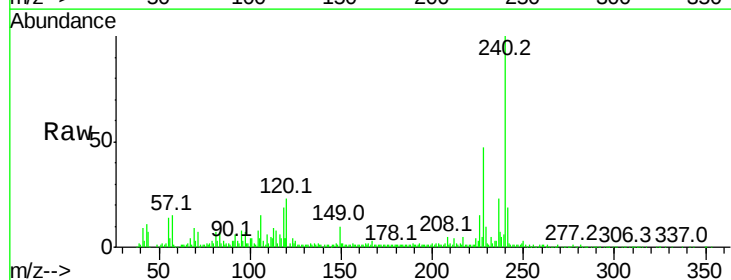
Manual Integrations
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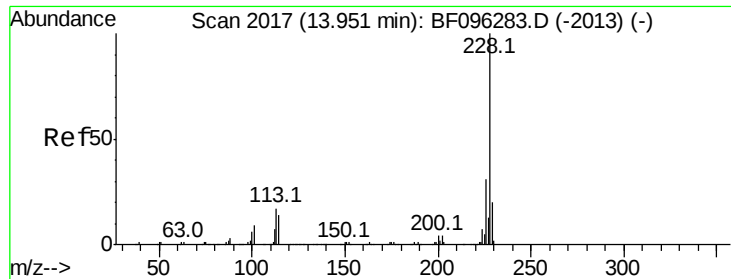
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#80
 Benzo(a)anthracene
 Concen: 2.54 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. 0.01 min
 Lab File: BF096259.D
 Acq: 28 Jun 2017 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	32.6	22.6	33.8	
229	21.4	16.3	24.5	





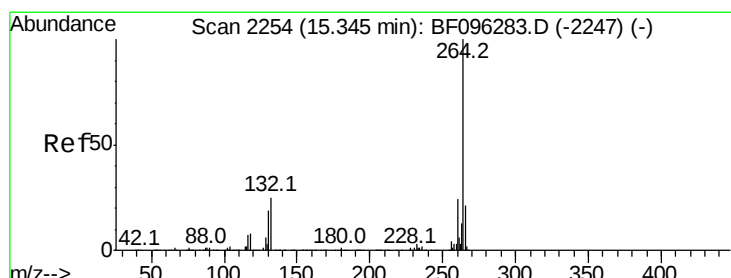
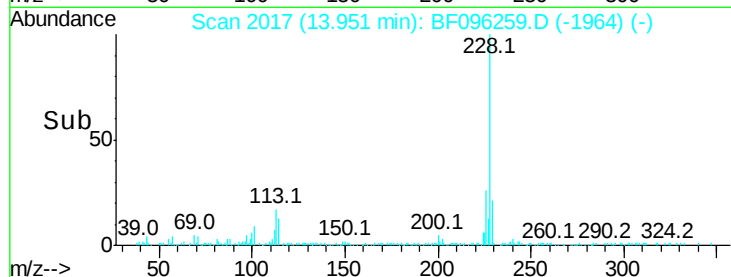
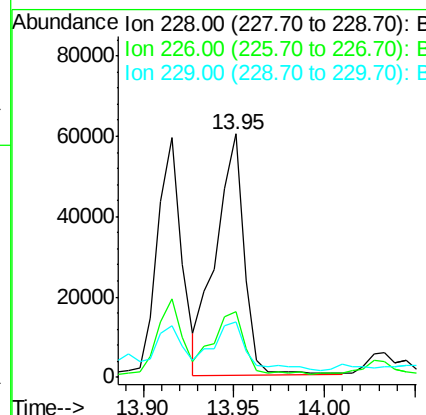
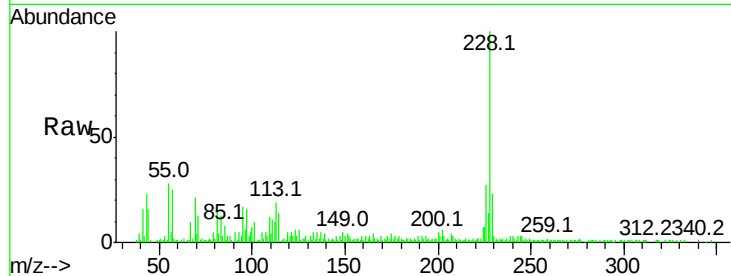
#82
Chrysene
Concen: 2.80 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Instrument :
BNA_F
ClientSampleId :
G-39-1.5-3

Tot Ion:	228	Resp:	65212
Ion Ratio	Lower	Upper	
228	100		
226	26.9	24.9	37.3
229	22.9	15.8	23.6

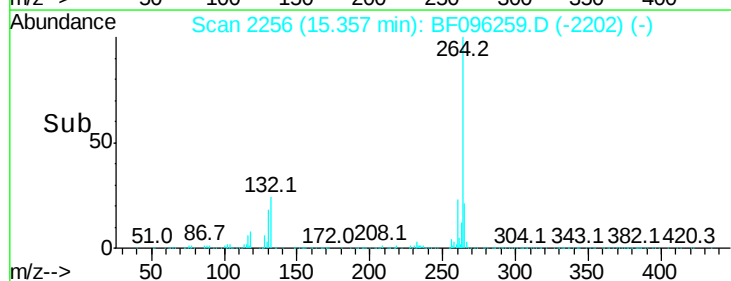
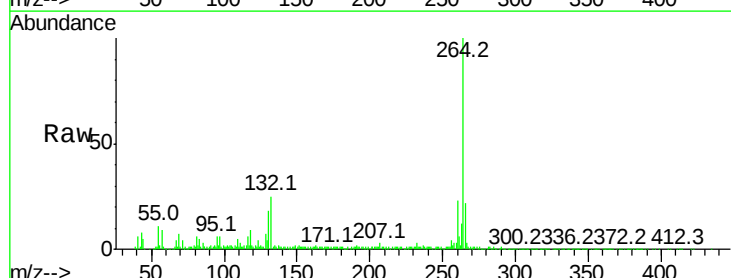
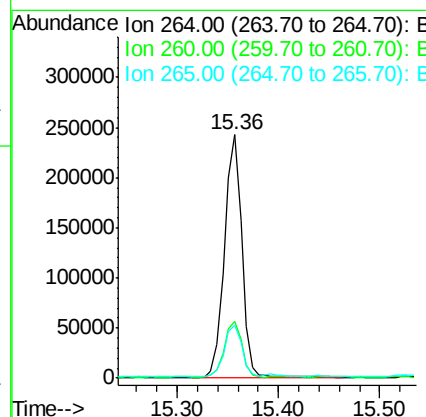
Manual Integrations
APPROVED

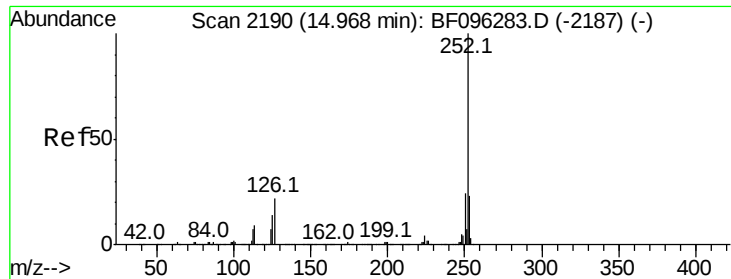
mohammad
6/29/2017 5:59:42 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.02 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Tgt Ion:	264	Resp:	287952
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 3.99 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Instrument :

BNA_F

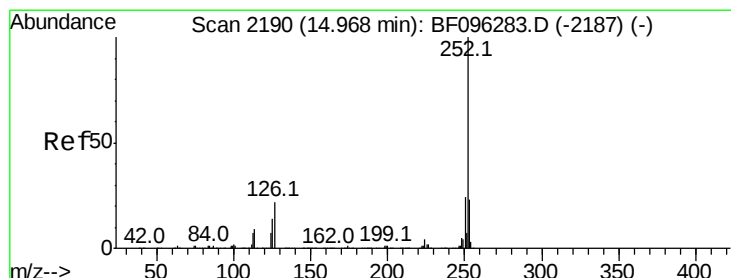
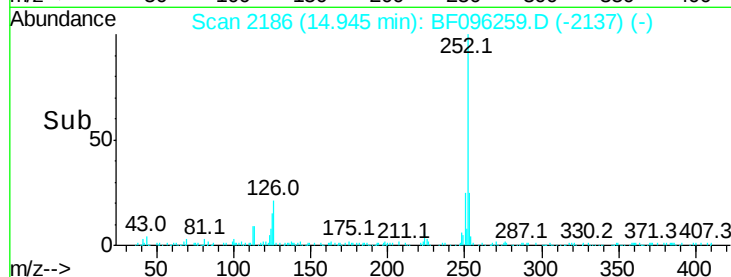
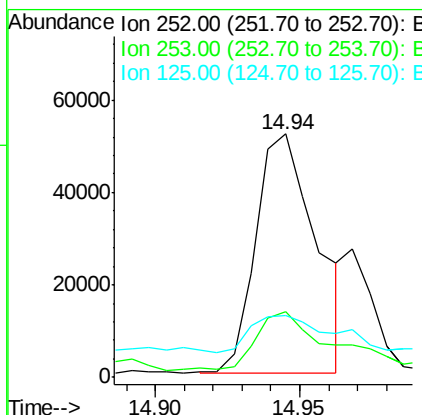
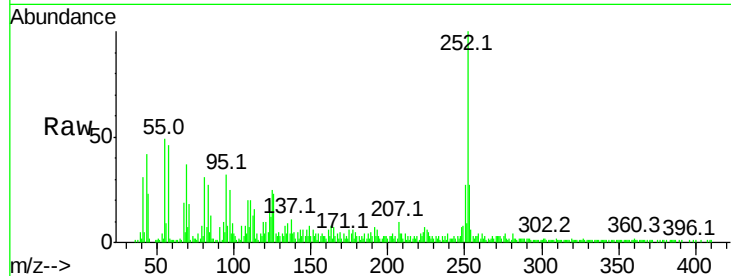
ClientSampleId :

G-39-1.5-3

Tot Ion:252	Resp:	75494
Ion Ratio	Lower	Upper
252	100	
253	26.8	18.1 27.1
125	25.2	9.8 14.8#

Manual Integrations
APPROVED

mohammad
6/29/2017 5:59:42 PM



#88

Benzo(k)fluoranthene

Concen: 5.49 ng

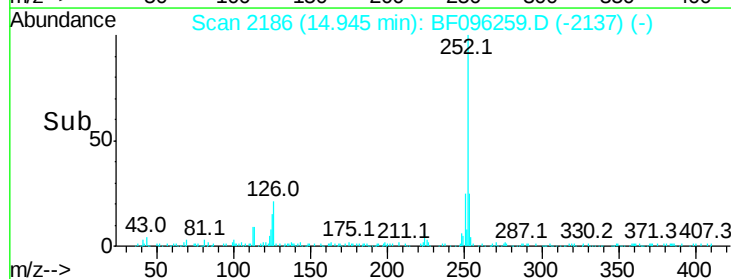
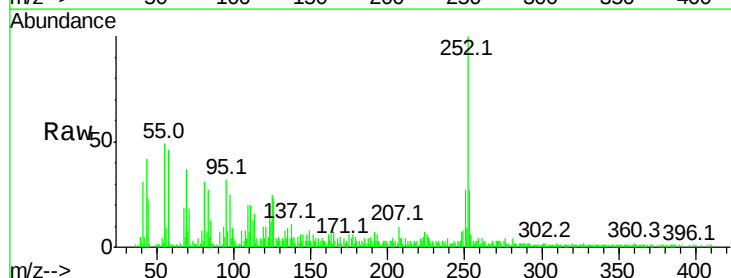
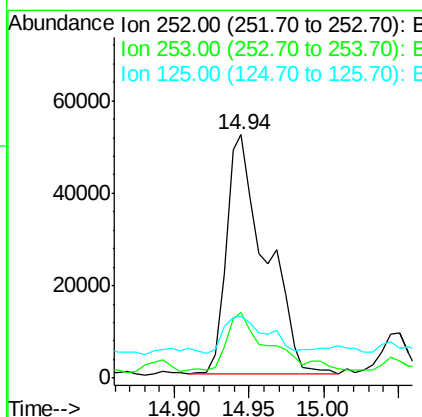
RT: 14.94 min Scan# 2186

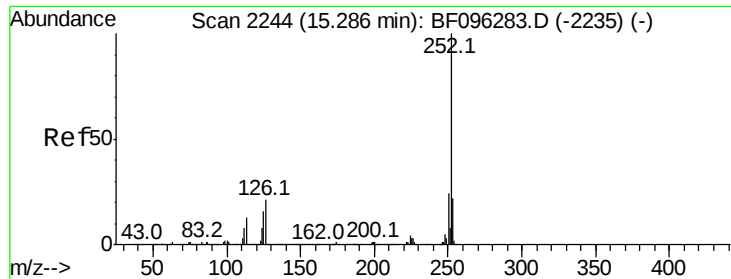
Delta R.T. -0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Tgt Ion:252	Resp:	94741
Ion Ratio	Lower	Upper
252	100	
253	26.8	18.4 27.6
125	25.2	13.1 19.7#





#89
 Benzo(a)pyrene
 Concen: 2.35 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.02 min
 Lab File: BF096259.D
 Acq: 28 Jun 2017 19:47

Instrument :
 BNA_F
 ClientSampleId :
 G-39-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	28.9	17.5	26.3#
125	30.7	11.0	16.4#

Manual Integrations
 APPROVED

mohammad
 6/29/2017 5:59:42 PM

