

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096196.D
 Acq On : 24 Jun 2017 18:20
 Operator : SJ/MA
 Sample : I3851-04 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-30-1.5-3

Manual Integrations
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Quant Time: Jun 26 02:51:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	61374	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	243426	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	98369	20.00	ng	-0.04
63) Phenanthrene-d10	14.52	188	163275	20.00	ng	-0.02
75) Chrysene-d12	18.26	240	138892	20.00	ng	-0.02
86) Perylene-d12	19.93	264	99163	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	26937	6.99	ng	0.03
7) Phenol-d6	6.91	99	59538	12.91	ng	0.04
23) Nitrobenzene-d5	8.22	82	35846	9.15	ng	0.00
41) 2,4,6-Tribromophenol	13.44	330	10856	12.47	ng	-0.01
44) 2-Fluorobiphenyl	11.07	172	82421	11.66	ng	-0.04
78) Terphenyl-d14	16.90	244	62697	11.20	ng	-0.03
Target Compounds						
70) Phenanthrene	14.56	178	23879	2.53	ng	99
74) Fluoranthene	16.35	202	37131	3.98	ng	96
77) Pyrene	16.66	202	34125	3.29	ng	99
82) Chrysene	18.29	228	19877	2.46	ng	# 94
87) Benzo(b)fluoranthene	19.53	252	19769m	3.18	ng	

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

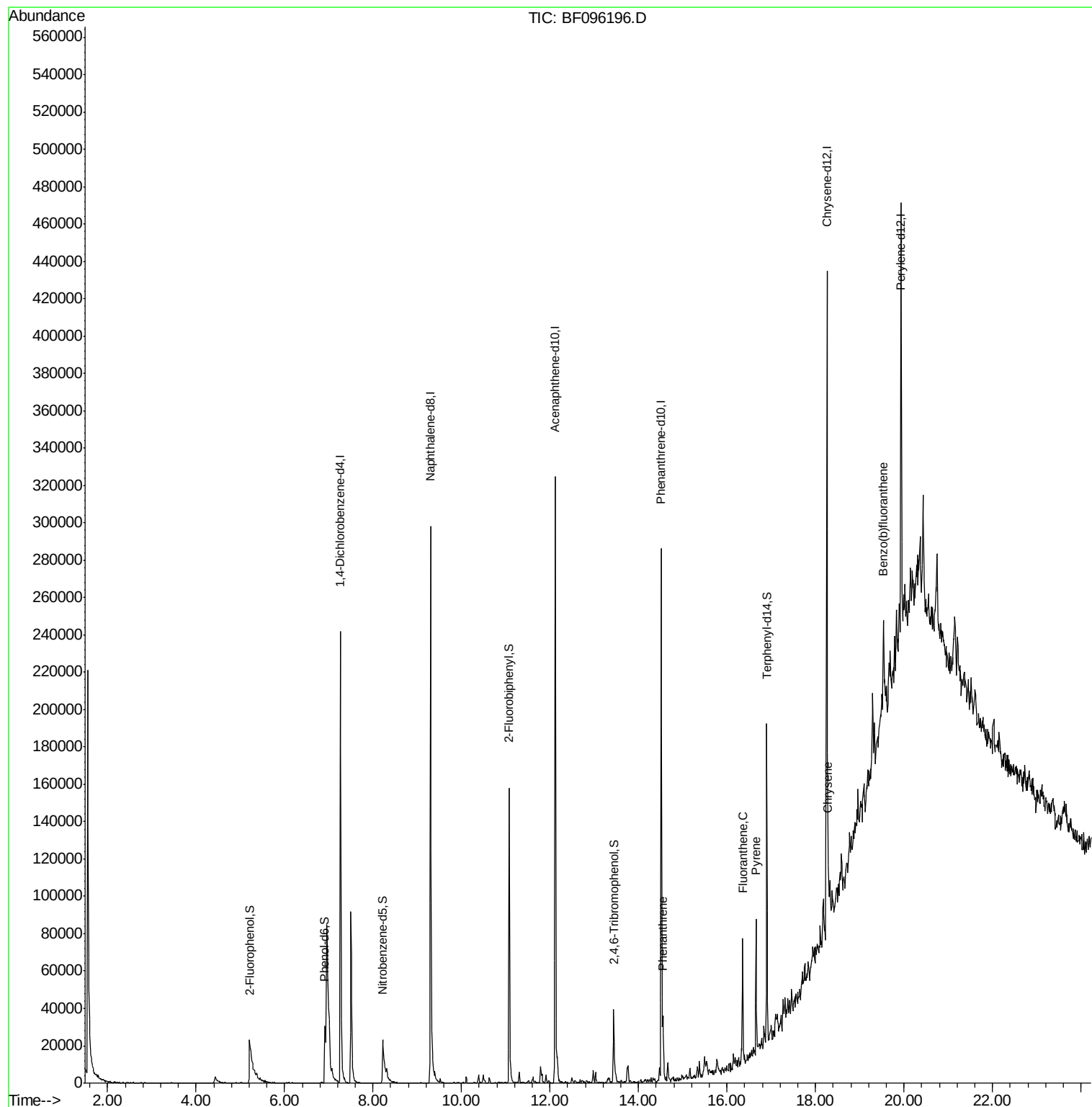
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096196.D
Acq On : 24 Jun 2017 18:20
Operator : SJ/MA
Sample : I3851-04 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

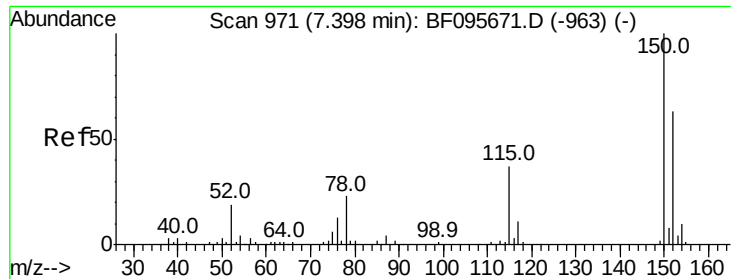
Instrument :
BNA_F
ClientSampleId :
G-30-1.5-3

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Quant Time: Jun 26 02:51:52 2017
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#1

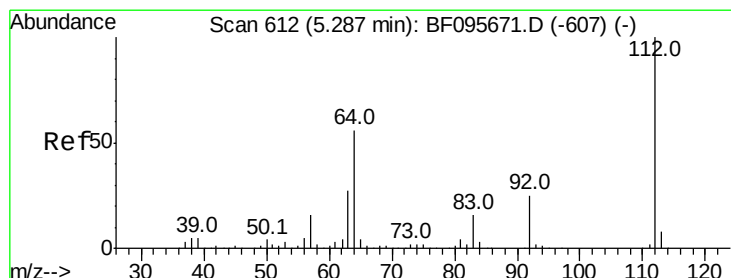
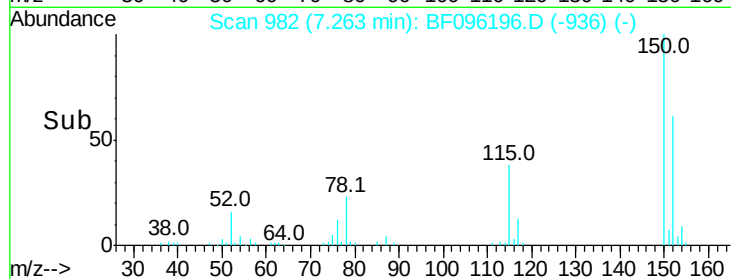
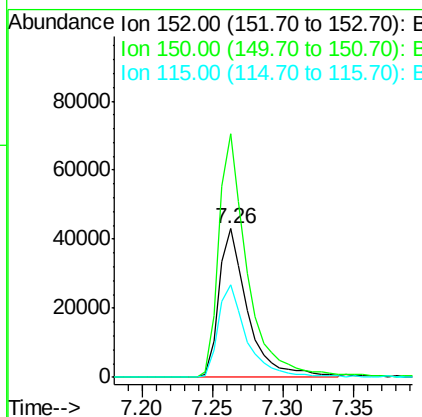
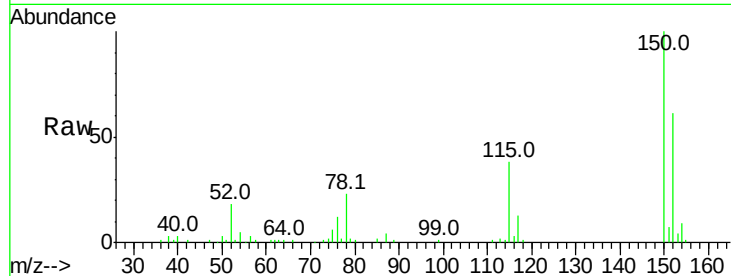
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

Instrument :
BNA_F
ClientSampleId :
G-30-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.0	126.2	189.2
115	62.3	52.2	78.2

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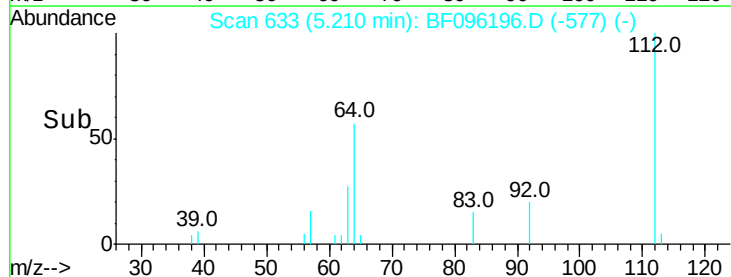
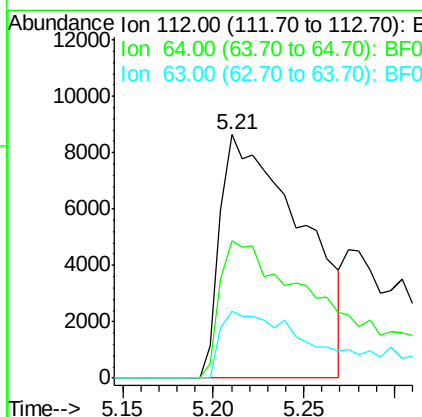
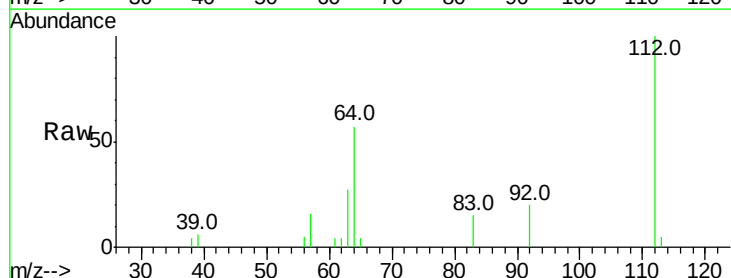
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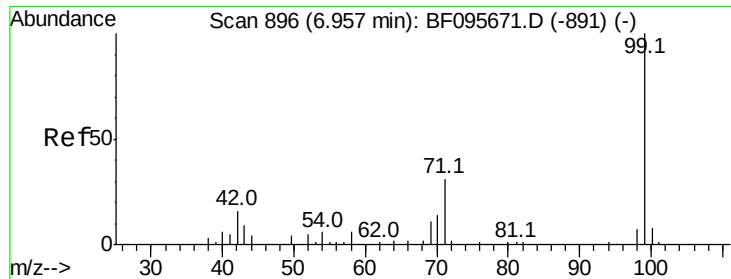


#5

2-Fluorophenol
Concen: 6.99 ng
RT: 5.21 min Scan# 633
Delta R.T. 0.03 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.0	69.0
63	27.3	23.4	35.0





#7

Phenol-d6

Concen: 12.91 ng

RT: 6.91 min Scan# 922

Delta R.T. 0.04 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

Instrument :

BNA_F

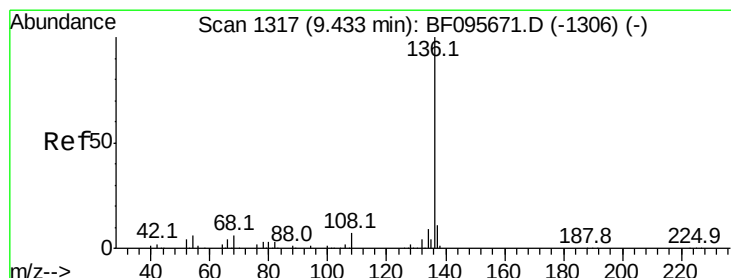
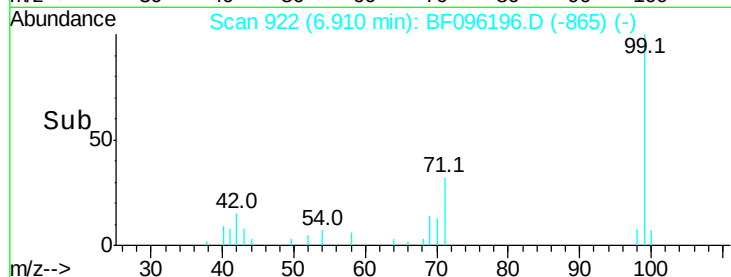
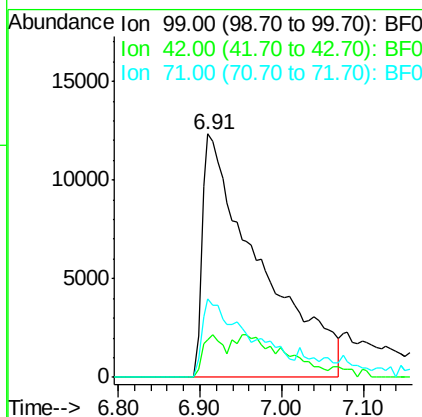
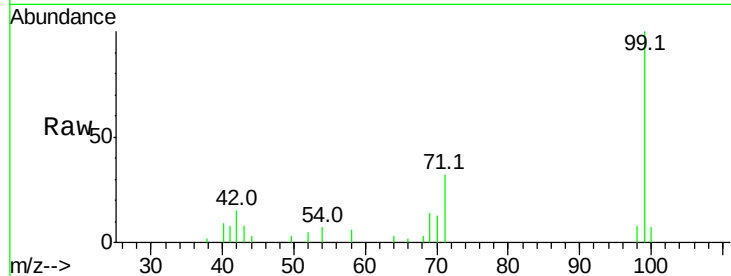
ClientSampleId :

G-30-1.5-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		59538		
42	15.3	13.5	20.3		
71	32.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

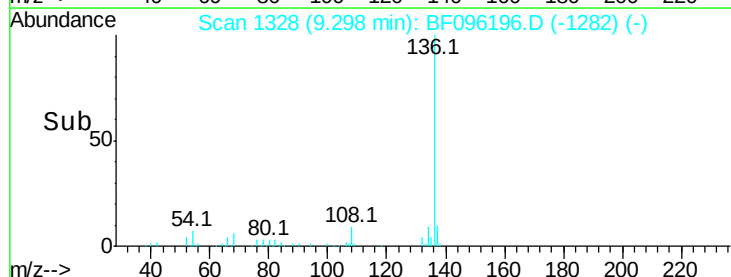
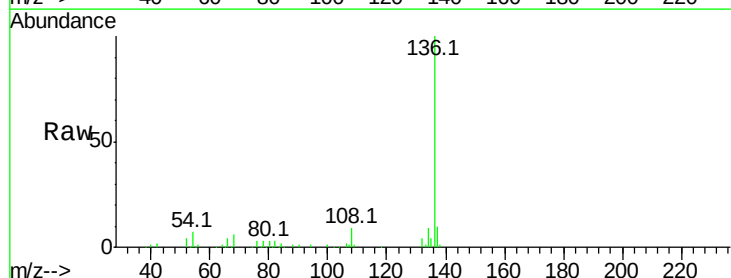
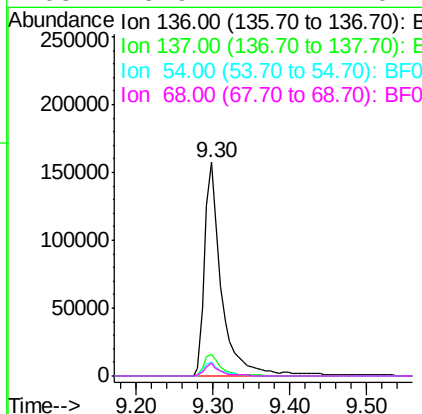
RT: 9.30 min Scan# 1328

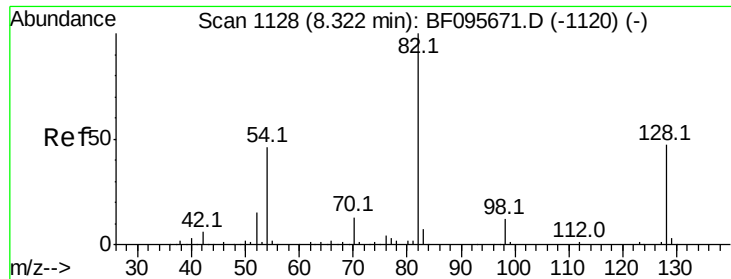
Delta R.T. -0.03 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		243426		
137	10.4	8.5	12.7		
54	6.7	4.9	7.3		
68	5.9	4.1	6.1		





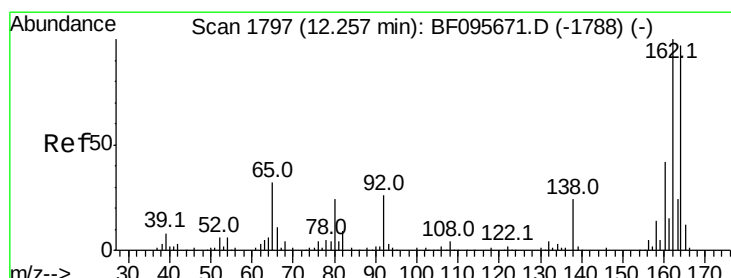
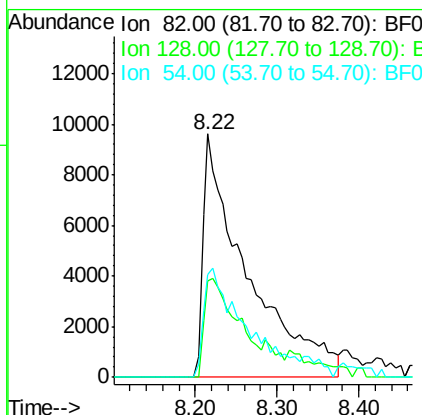
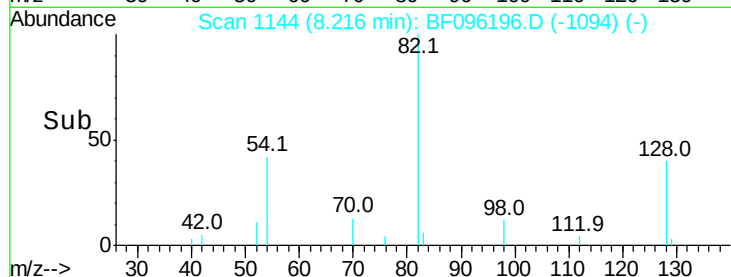
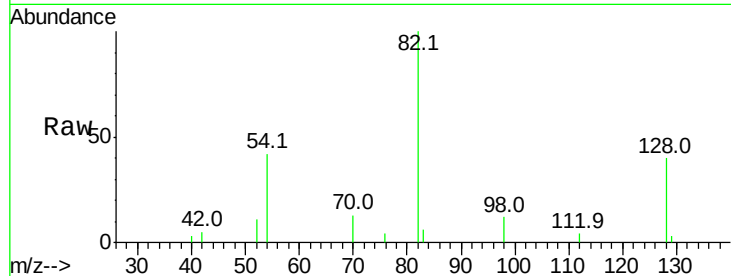
#23
Nitrobenzene-d5
Concen: 9.15 ng
RT: 8.22 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

Instrument :
BNA_F
ClientSampleId :
G-30-1.5-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.0	51.0
54	42.5	42.2	63.2

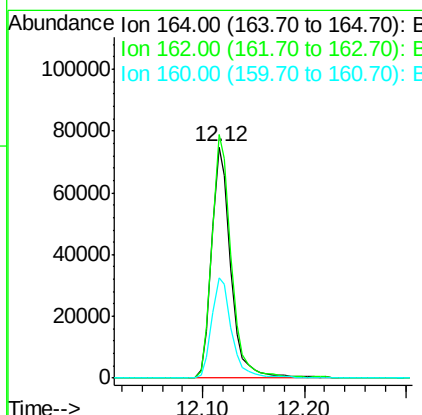
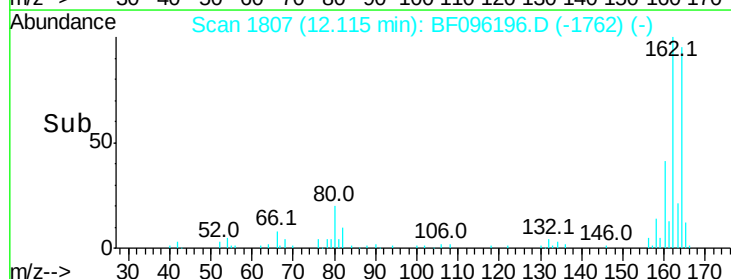
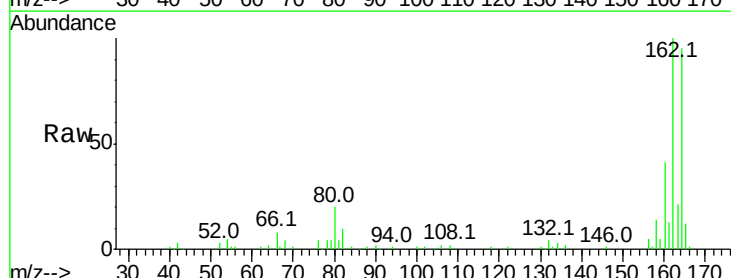
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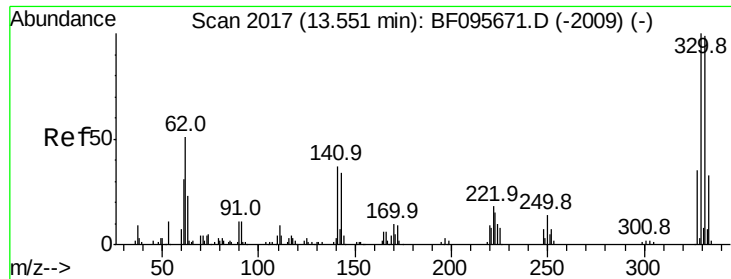
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.12 min Scan# 1807
Delta R.T. -0.04 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	82.6	123.8
160	43.6	36.2	54.2





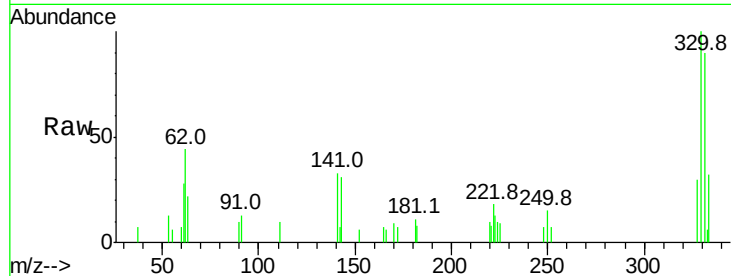
#41
 2,4,6-Tribromophenol
 Concen: 12.47 ng
 RT: 13.44 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF096196.D
 Acq: 24 Jun 2017 18:20

Instrument :
 BNA_F
 ClientSampleId :
 G-30-1.5-3

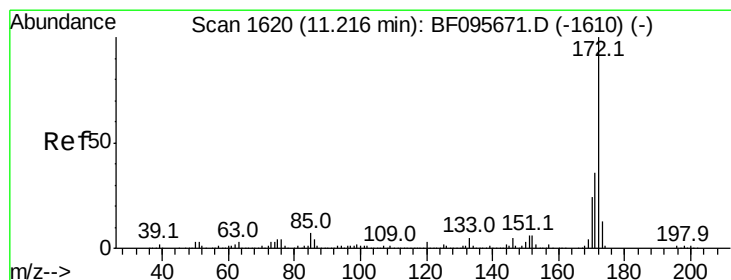
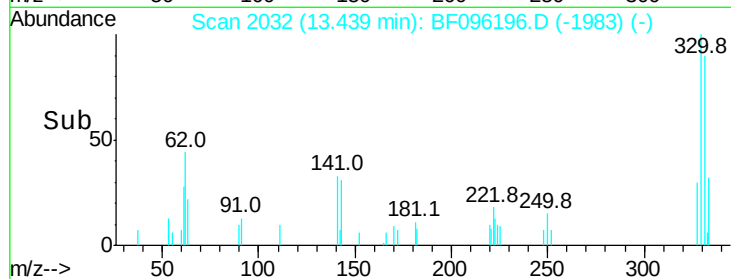
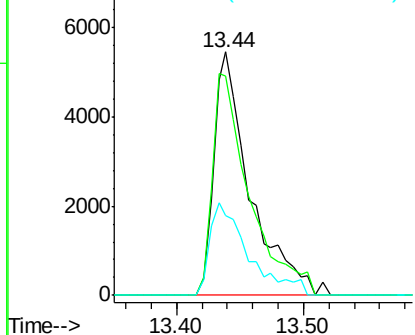
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	76.6	115.0
141	40.7	31.4	47.2

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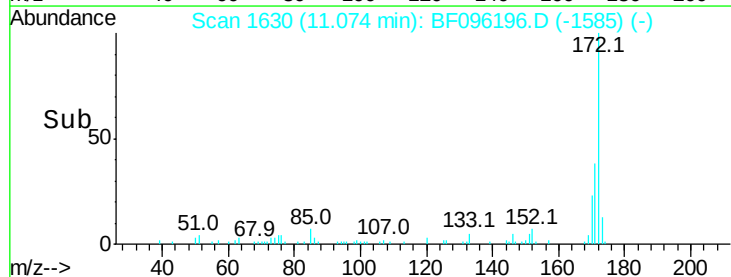
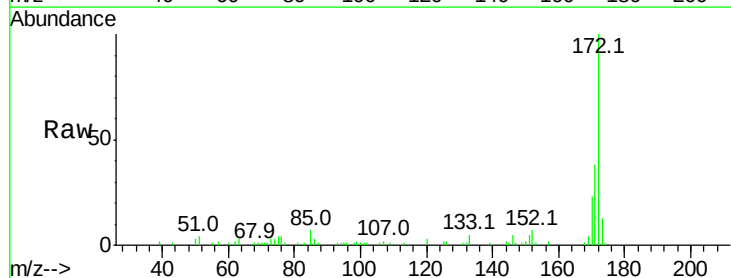
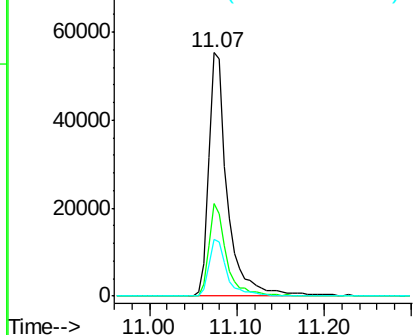
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

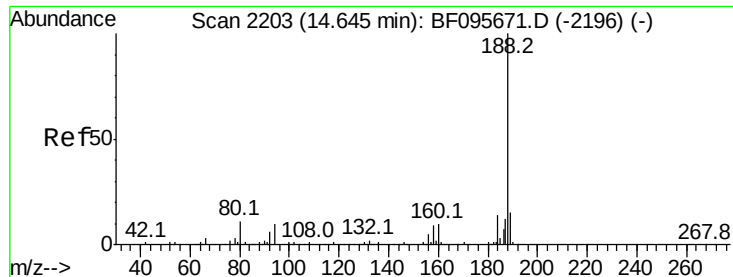


#44
 2-Fluorobiphenyl
 Concen: 11.66 ng
 RT: 11.07 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF096196.D
 Acq: 24 Jun 2017 18:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	29.6	44.4
170	23.2	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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.52 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

Instrument :

BNA_F

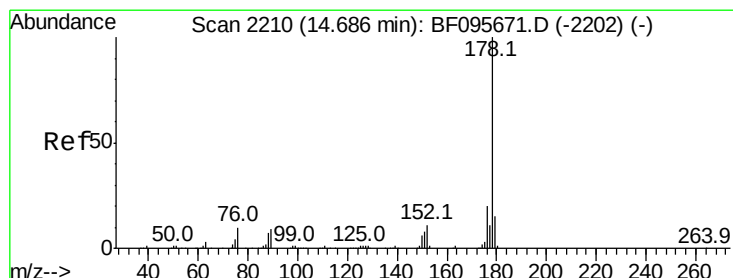
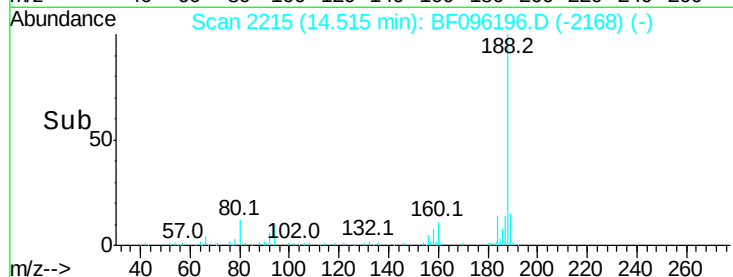
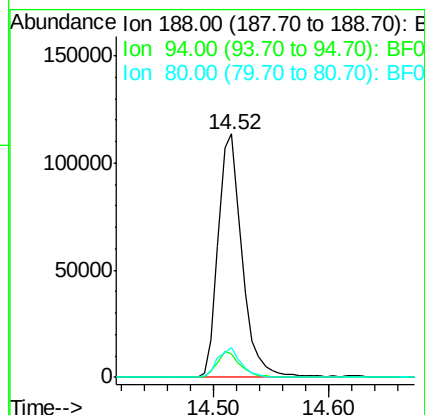
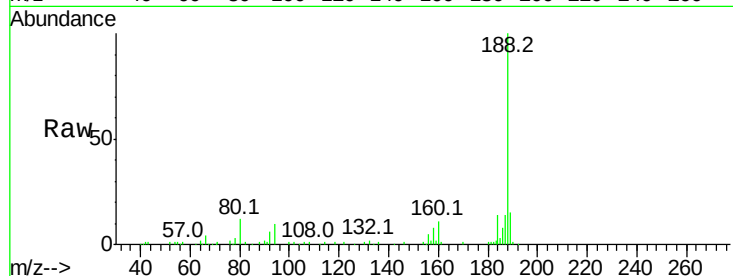
ClientSampleId :

G-30-1.5-3

Tot Ion:	188	Resp:	163275
Ion Ratio	Lower	Upper	
188	100		
94	9.8	9.4	14.2
80	12.0	10.2	15.2

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#70

Phenanthrene

Concen: 2.53 ng

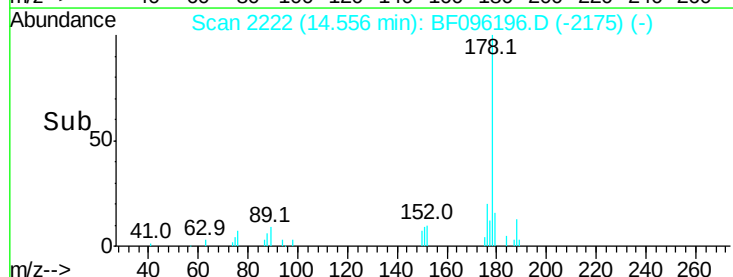
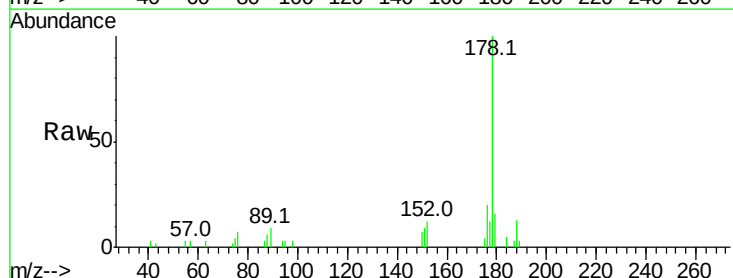
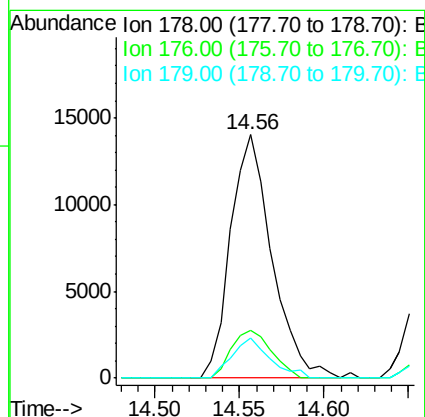
RT: 14.56 min Scan# 2222

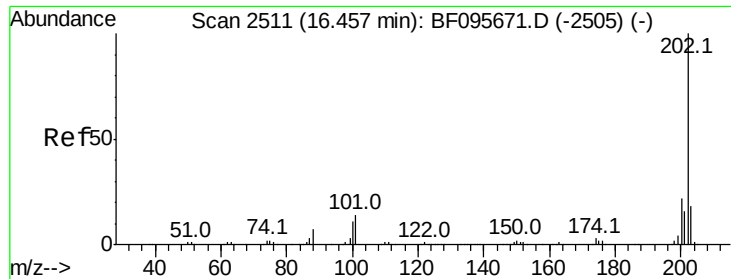
Delta R.T. -0.02 min

Lab File: BF096196.D

Acq: 24 Jun 2017 18:20

Tgt Ion:	178	Resp:	23879
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.2	24.4
179	16.3	12.6	19.0





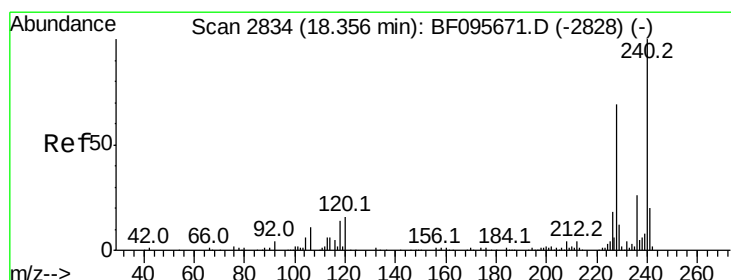
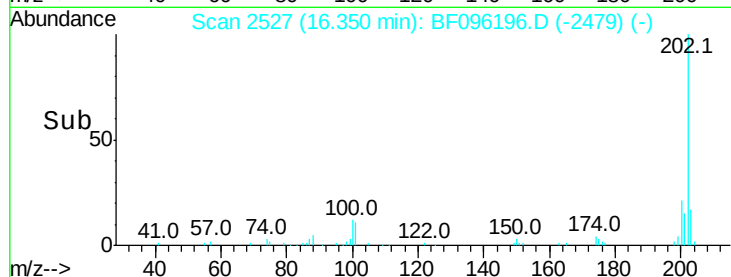
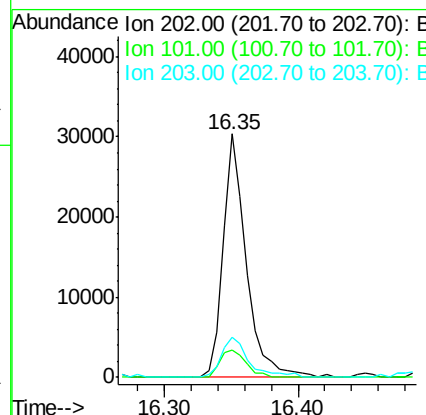
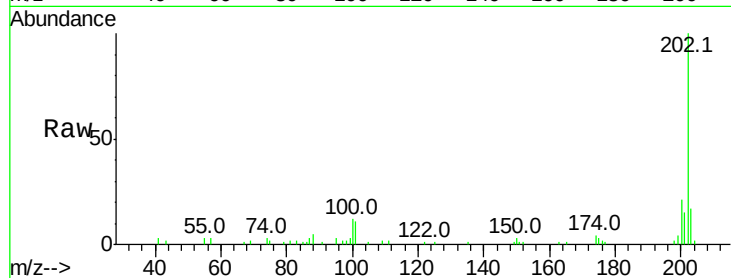
#74
 Fluoranthene
 Concen: 3.98 ng
 RT: 16.35 min Scan# 2527
 Delta R.T. -0.02 min
 Lab File: BF096196.D
 Acq: 24 Jun 2017 18:20

Instrument :
 BNA_F
 ClientSampleId :
 G-30-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	33.2
203	16.7	0.0	38.1

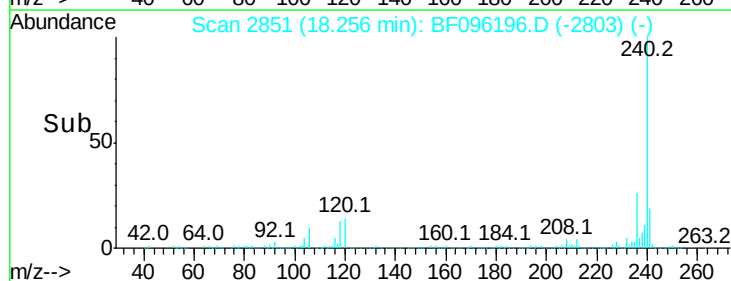
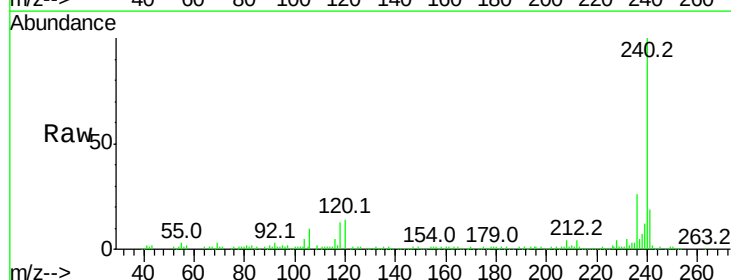
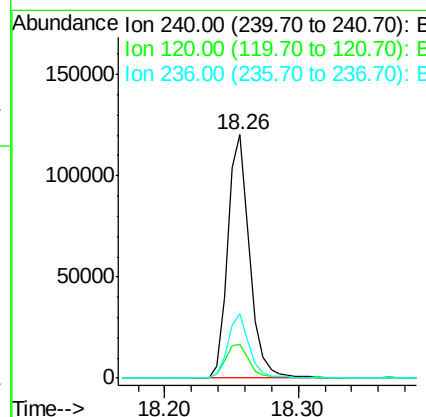
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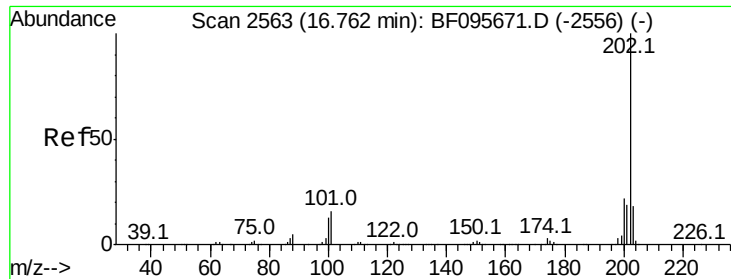
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.02 min
 Lab File: BF096196.D
 Acq: 24 Jun 2017 18:20

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	26.3	20.5	30.7





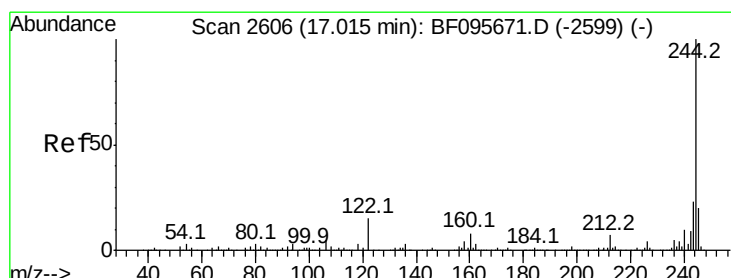
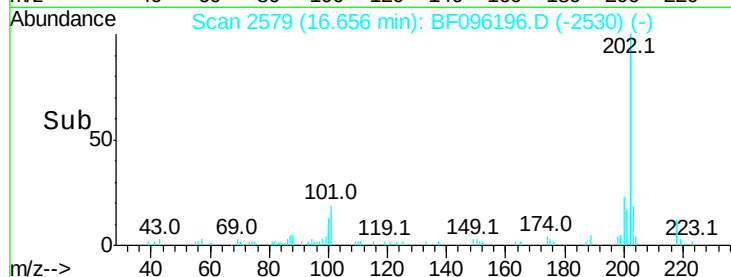
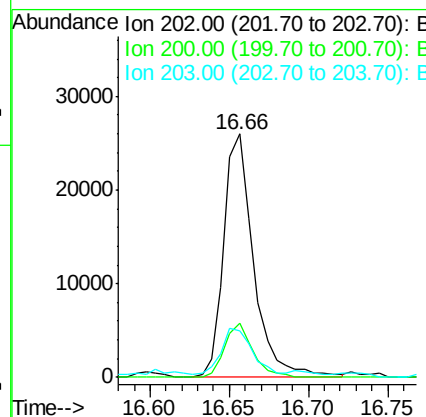
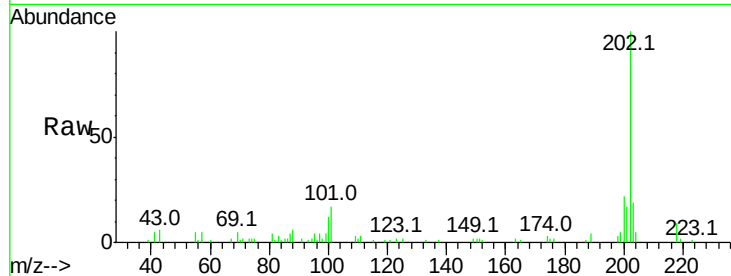
#77
Pvrene
Concen: 3.29 ng
RT: 16.66 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

Instrument :
BNA_F
ClientSampleId :
G-30-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.0		17.6	26.4
203	18.8		14.4	21.6

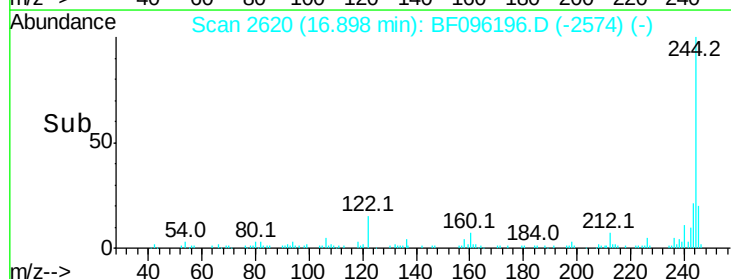
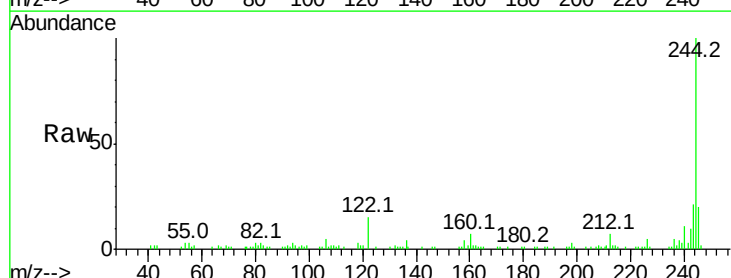
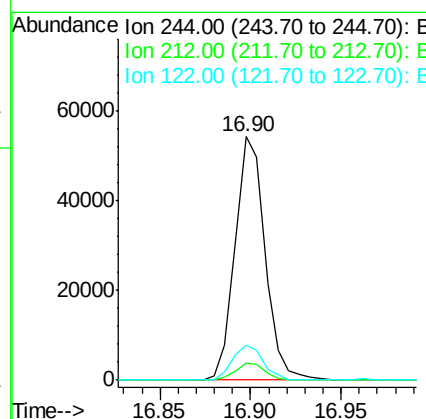
Manual Integrations
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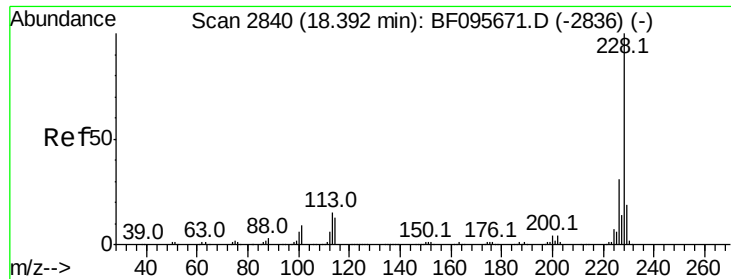
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#78
Terphenyl-d14
Concen: 11.20 ng
RT: 16.90 min Scan# 2620
Delta R.T. -0.03 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.3		6.0	9.0
122	14.6		10.3	15.5





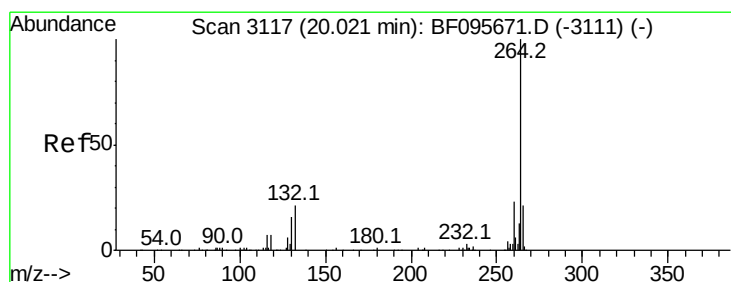
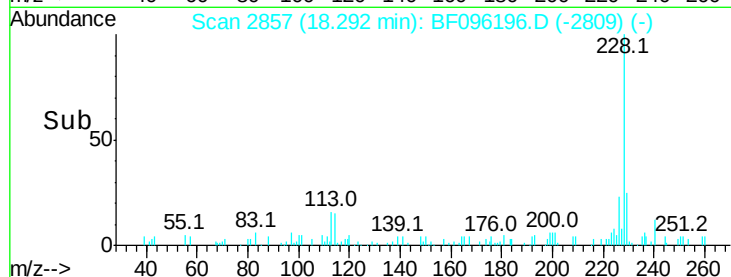
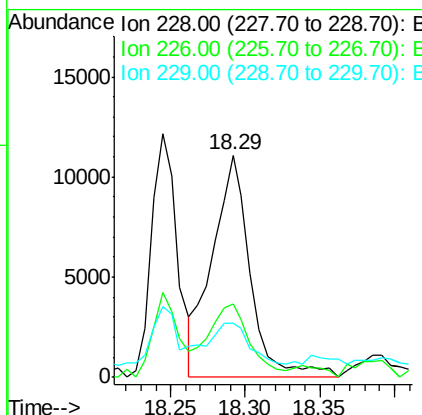
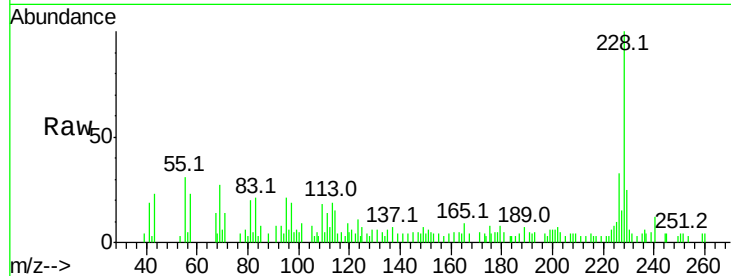
#82
Chrysene
Concen: 2.46 ng
RT: 18.29 min Scan# 2857
Delta R.T. -0.02 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

Instrument :
BNA_F
ClientSampleId :
G-30-1.5-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.9	37.3
229	24.7	15.8	23.6

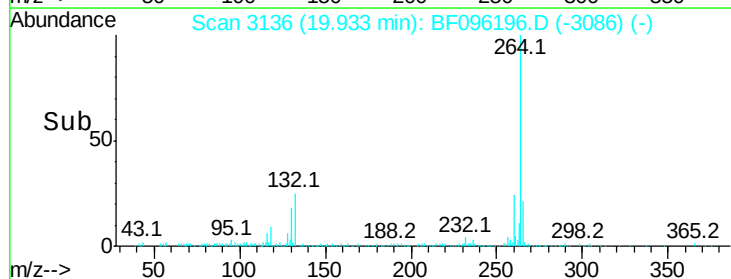
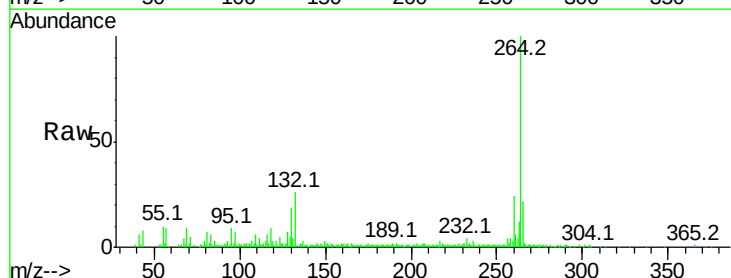
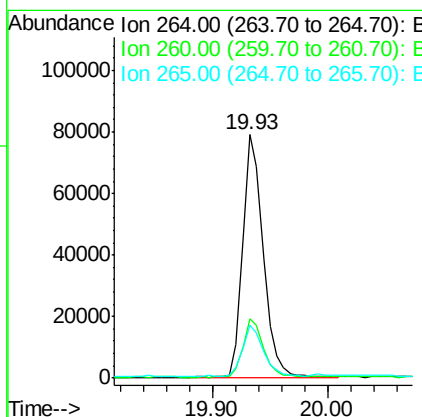
Manual Integrations
APPROVED

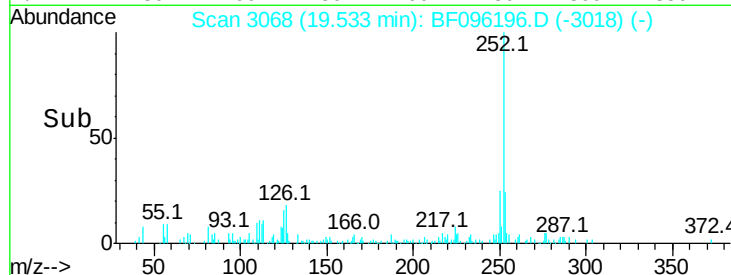
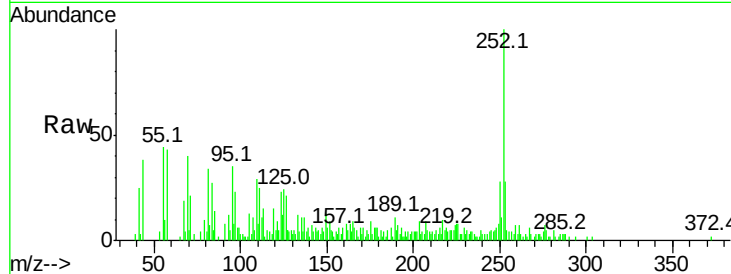
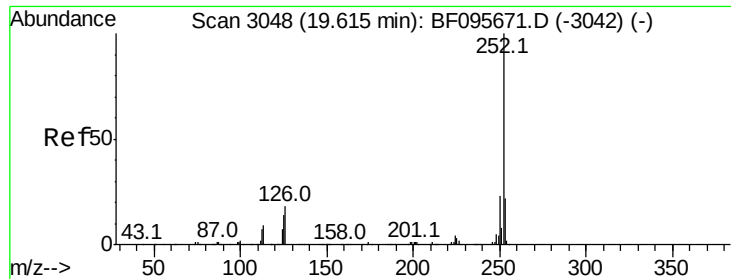
mohammad
6/29/2017 3:45:06 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 19.93 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BF096196.D
Acq: 24 Jun 2017 18:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.0	17.2	25.8





#87
 Benzo(b)fluoranthene
 Concen: 3.18 ng m
 RT: 19.53 min Scan# 3068
 Delta R.T. -0.01 min
 Lab File: BF096196.D
 Acq: 24 Jun 2017 18:20

Instrument :
 BNA_F
 ClientSampleId :
 G-30-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.1	27.1#
125	24.4	9.8	14.8#

Manual Integrations
 APPROVED

mohammad
 6/29/2017 3:45:06 PM

