

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099122.D
 Acq On : 6 Oct 2017 00:02
 Operator : SJ/JU
 Sample : I5585-15 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G70-2.5-5

Manual Integrations
 APPROVED

Sohil
 10/6/2017 5:35:05 PM

Quant Time: Oct 06 03:57:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	117833	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	491764	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	218061	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	368869	20.00	ng	0.00
75) Chrysene-d12	14.02	240	219639	20.00	ng	-0.01
86) Perylene-d12	15.50	264	227162	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	211265	28.54	ng	0.00
7) Phenol-d6	6.48	99	258094	28.26	ng	-0.02
23) Nitrobenzene-d5	7.42	82	148233	19.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	44083	24.71	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	289599	22.17	ng	-0.01
78) Terphenyl-d14	12.96	244	204376	21.16	ng	-0.01
Target Compounds						Qvalue
74) Fluoranthene	12.60	202	40039	2.003	ng	98
77) Pyrene	12.83	202	43599	2.603	ng	98
80) Benzo(a)anthracene	14.02	228	29810	2.241	ng	93
82) Chrysene	14.05	228	33566	2.651	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	29592	2.922	ng	98
87) Benzo(b)fluoranthene	15.06	252	75120m	5.378	ng	
89) Benzo(a)pyrene	15.43	252	31667	2.470	ng	100
91) Benzo(g,h,i)perylene	17.42	276	25137	2.478	ng	# 91

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

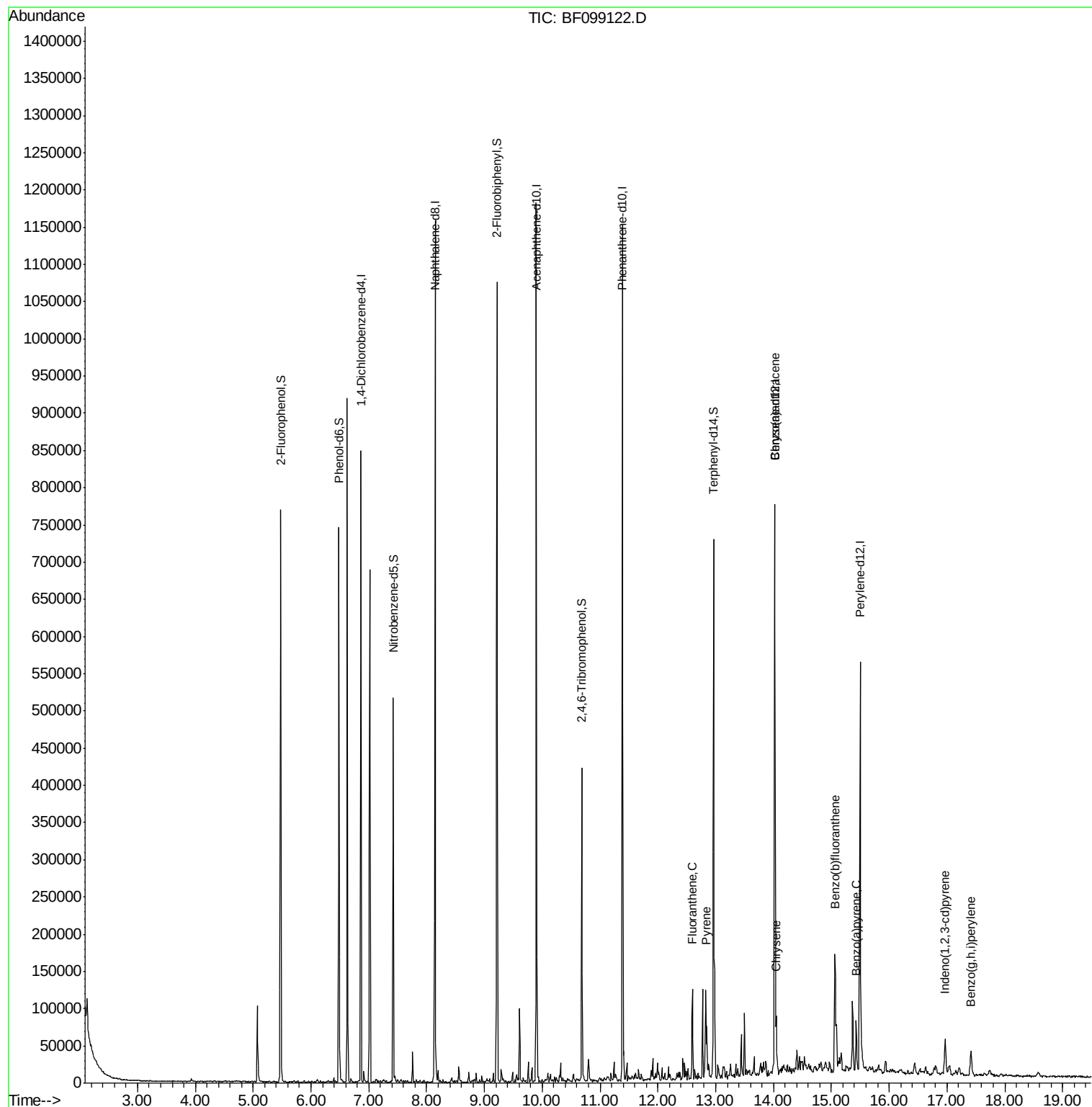
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
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Acq On : 6 Oct 2017 00:02
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Sample : I5585-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

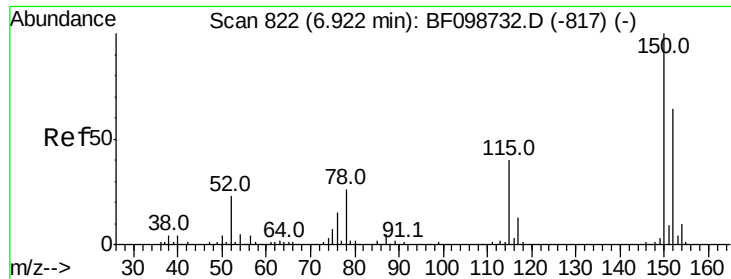
Instrument :
BNA_F
ClientSampleId :
G70-2.5-5

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Quant Time: Oct 06 03:57:33 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

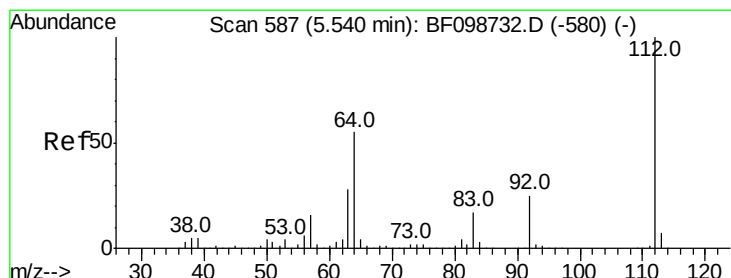
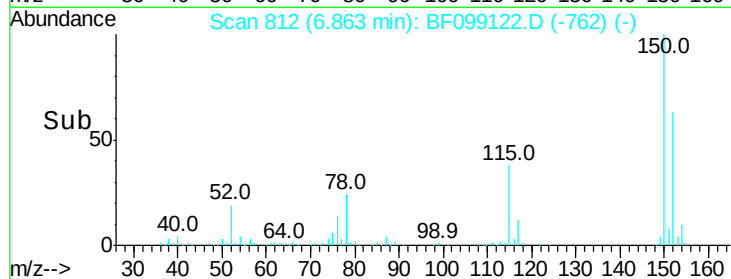
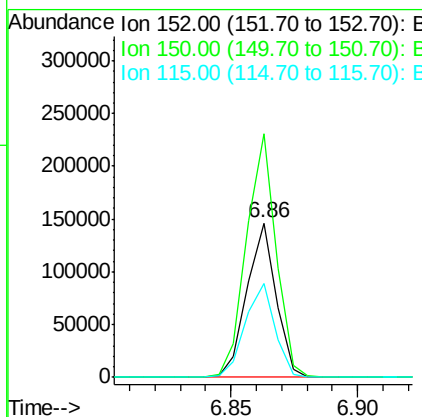
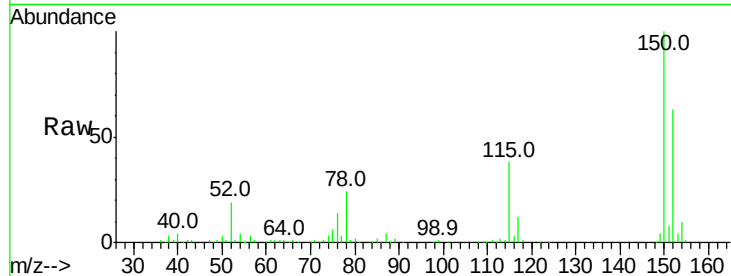
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Instrument :
BNA_F
ClientSampleId :
G70-2.5-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	60.5	50.1	75.1

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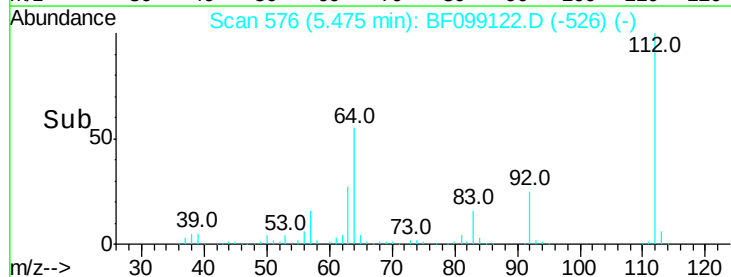
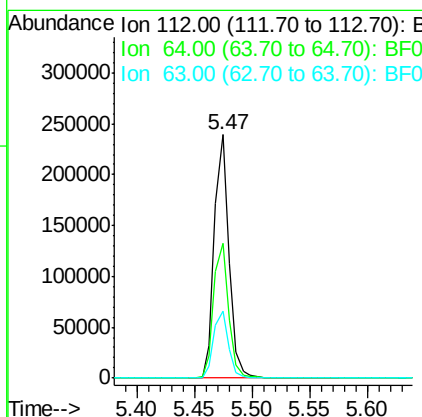
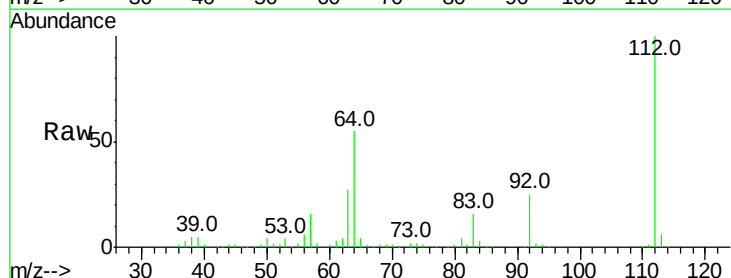
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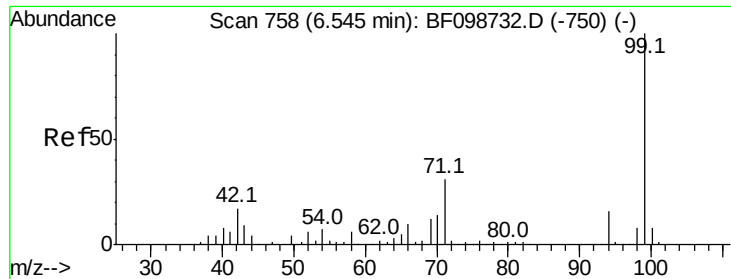


#5

2-Fluorophenol
Concen: 28.541 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.9	71.9
63	27.3	23.7	35.5





#7

Phenol-d6

Concen: 28.265 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

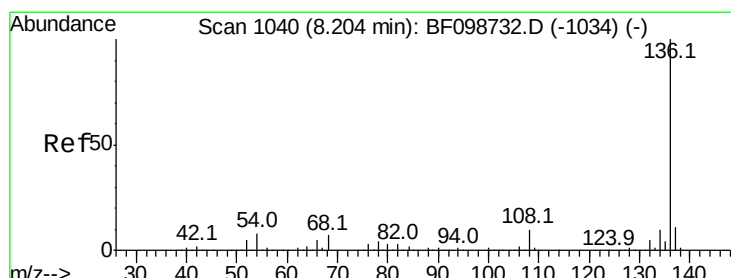
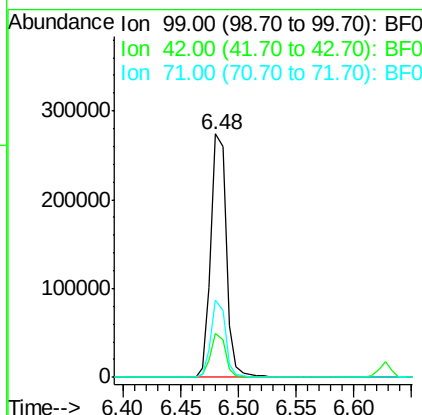
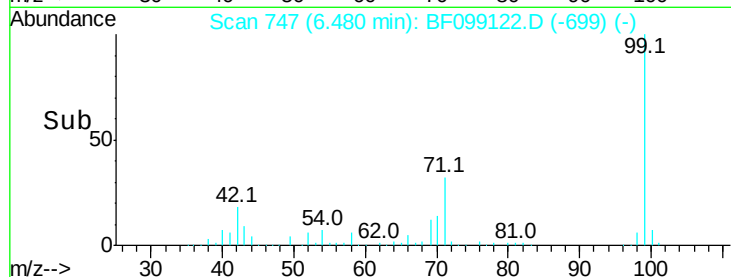
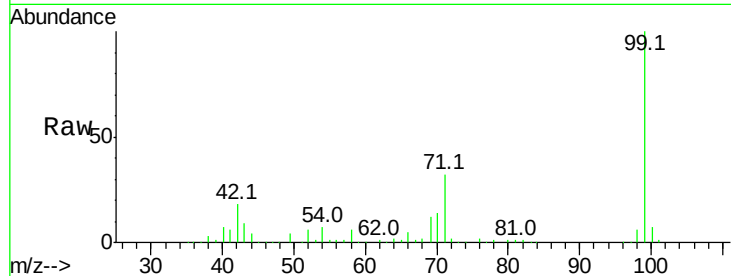
ClientSampleId :

G70-2.5-5

Tot Ion:	99	Resp:	258094
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.5	21.7
71	31.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

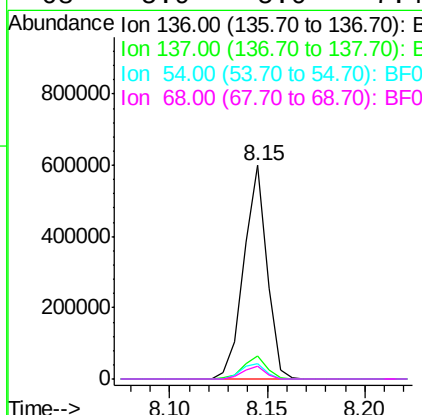
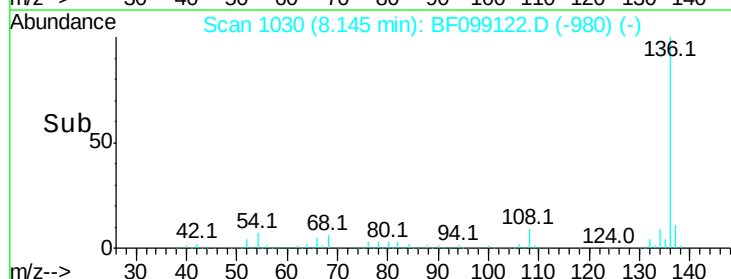
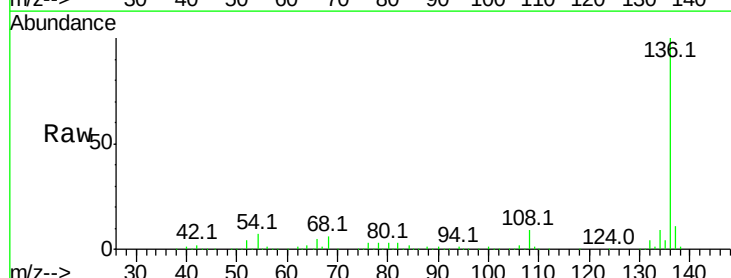
RT: 8.15 min Scan# 1030

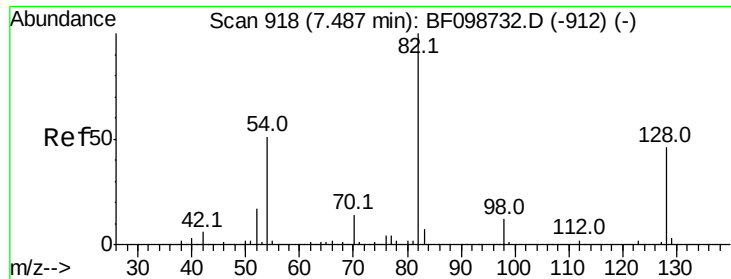
Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Tgt Ion:	136	Resp:	491764
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	7.1	6.6	9.8
68	5.9	5.0	7.4





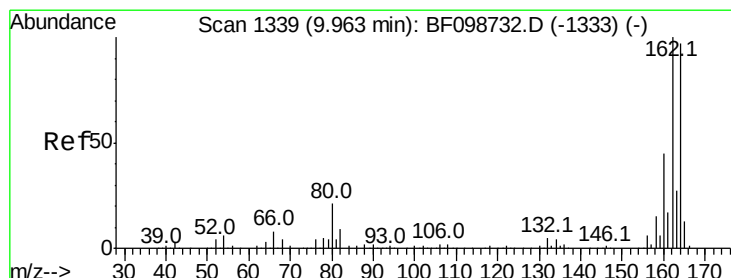
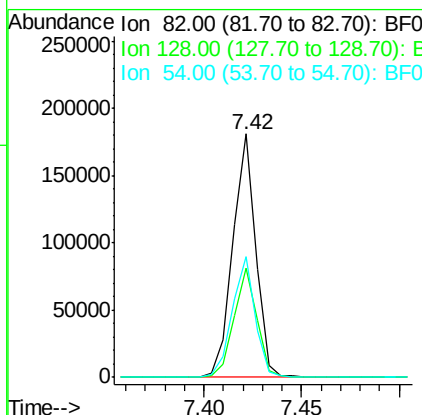
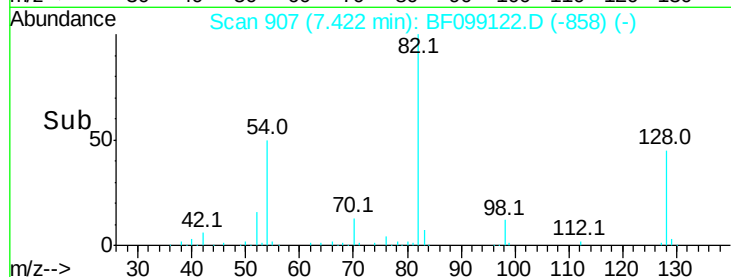
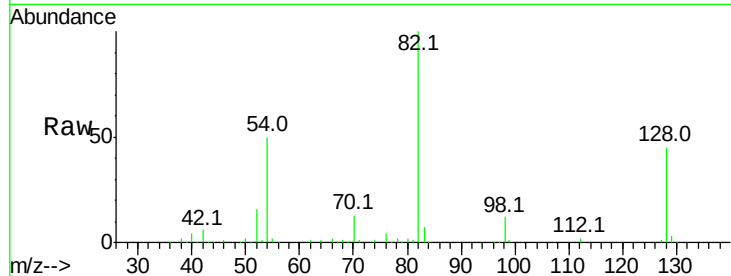
#23
Nitrobenzene-d5
Concen: 19.331 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Instrument :
BNA_F
ClientSampled :
G70-2.5-5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	36.1	54.1	
54	49.6	41.4	62.2	

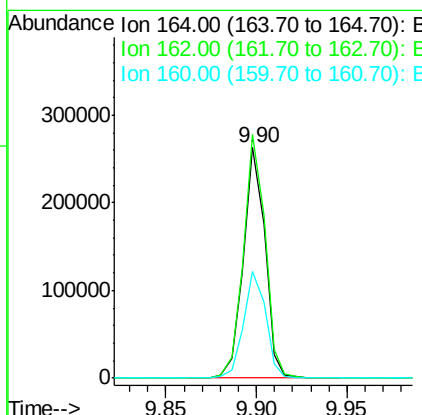
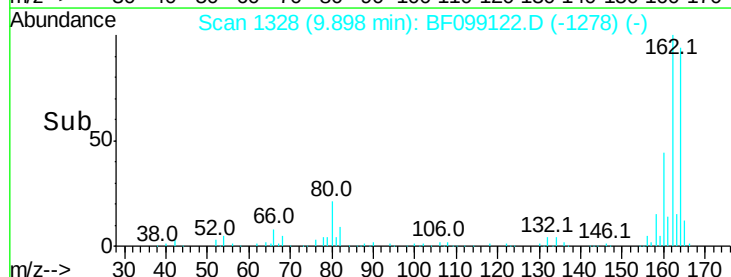
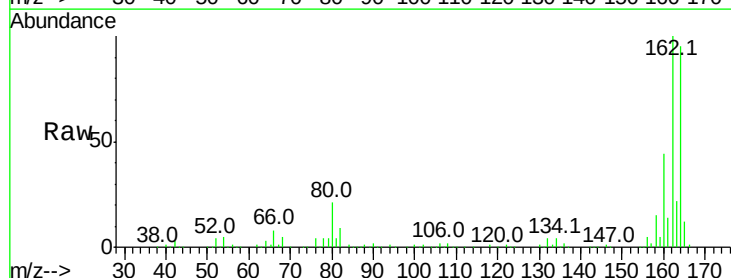
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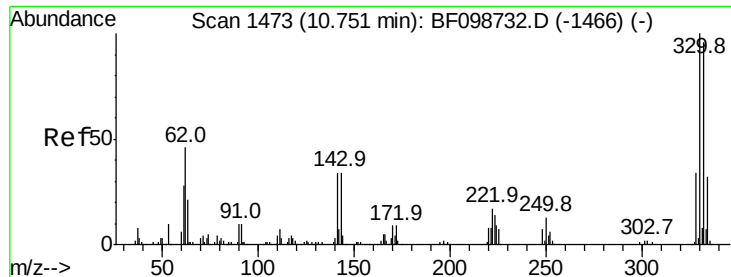
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.5	86.1	129.1	
160	46.0	38.3	57.5	





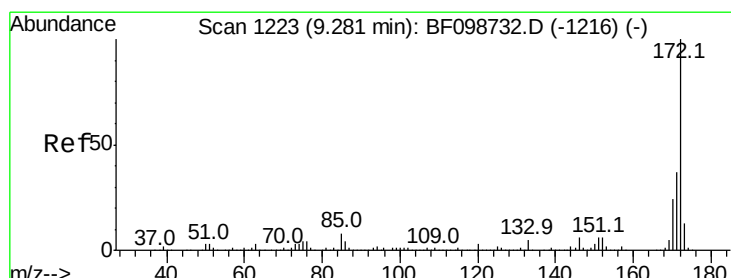
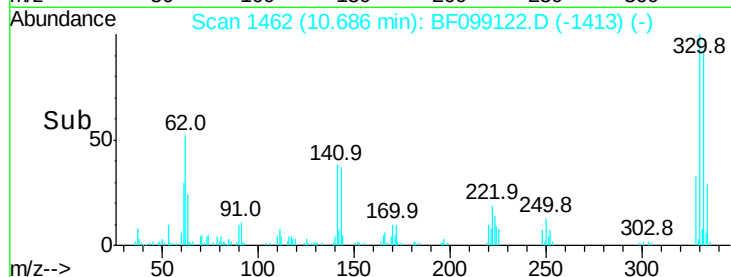
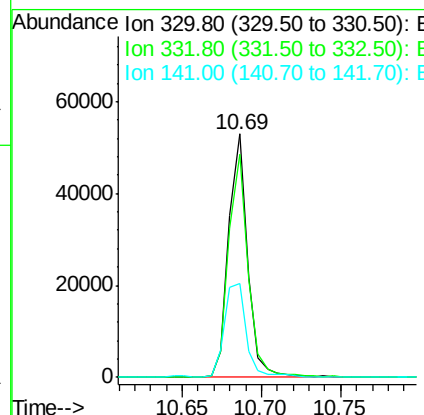
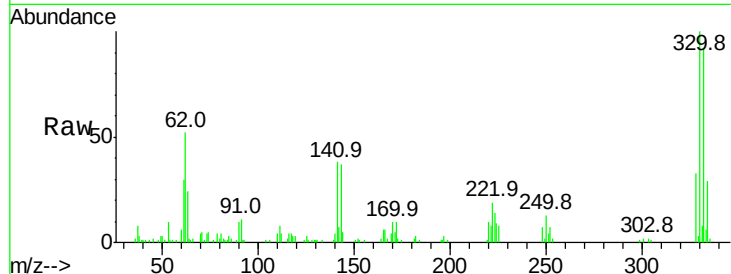
#41
 2,4,6-Tribromophenol
 Concen: 24.706 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Instrument :
 BNA_F
 ClientSampleId :
 G70-2.5-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	77.0	115.6	
141	44.8	29.9	44.9	

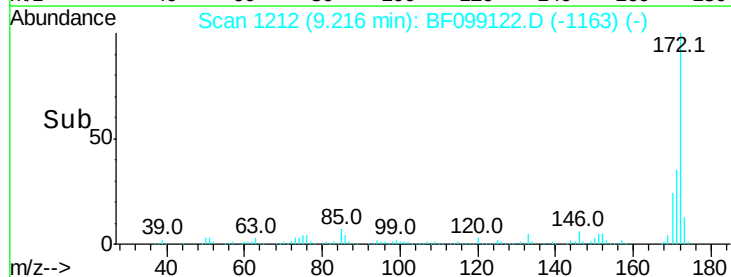
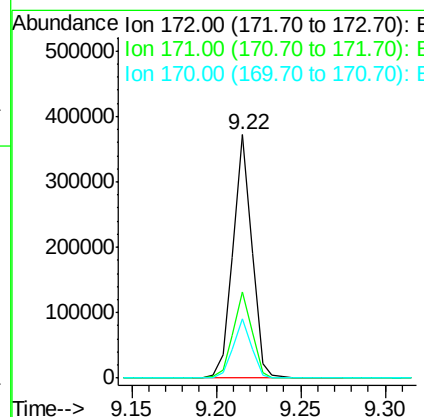
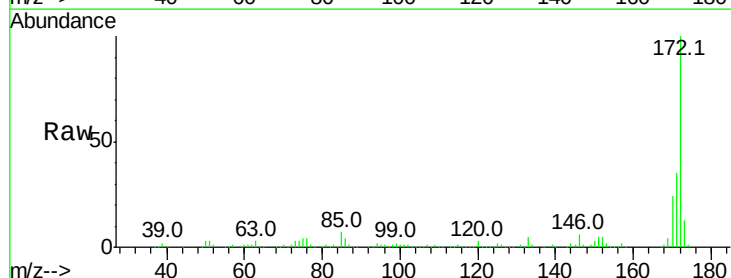
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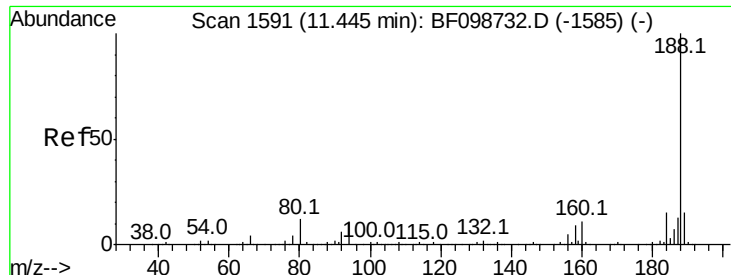
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#44
 2-Fluorobiphenyl
 Concen: 22.171 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	29.7	44.5	
170	24.2	19.6	29.4	





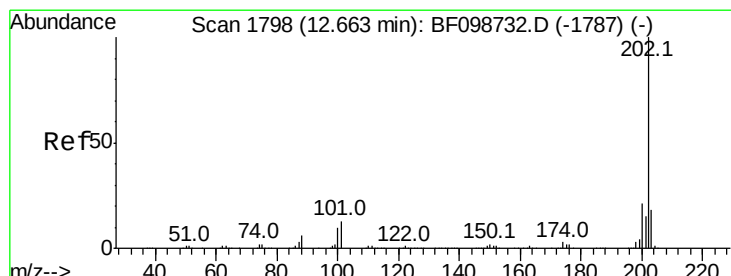
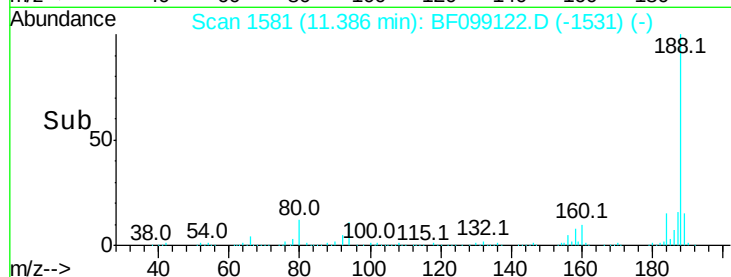
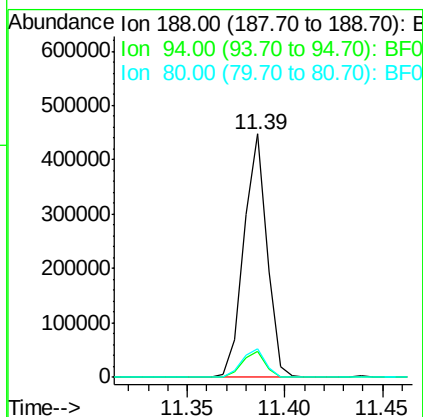
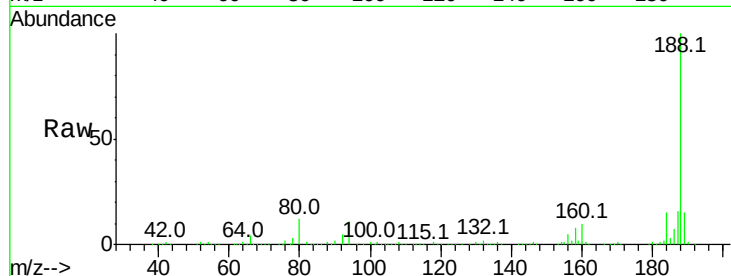
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Instrument :
BNA_F
ClientSampleId :
G70-2.5-5

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.9	9.2	13.8

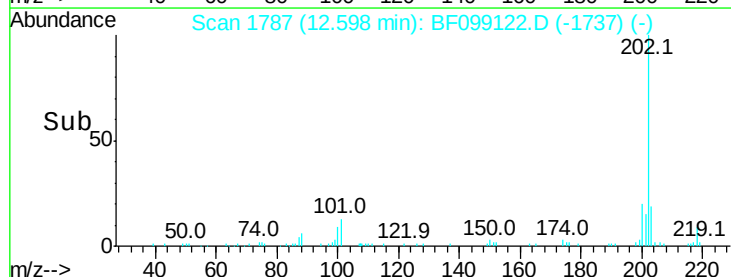
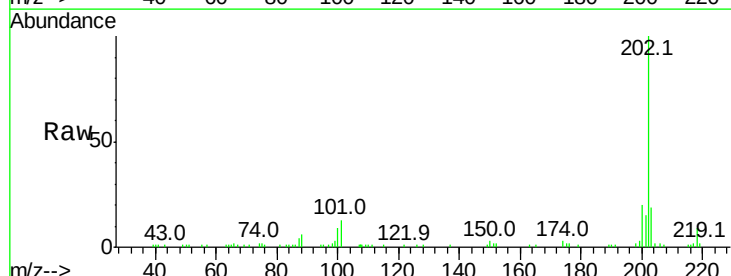
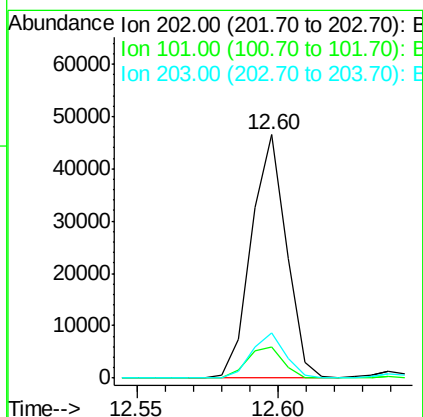
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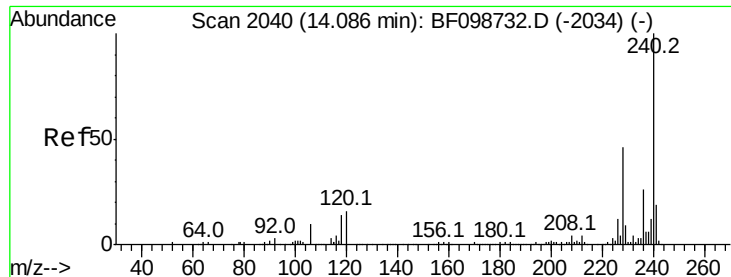
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#74
Fluoranthene
Concen: 2.003 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	0.0	34.1
203	18.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

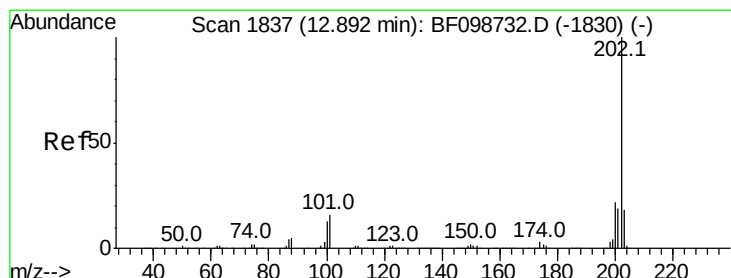
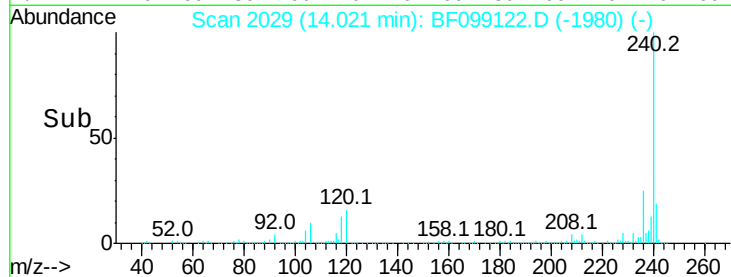
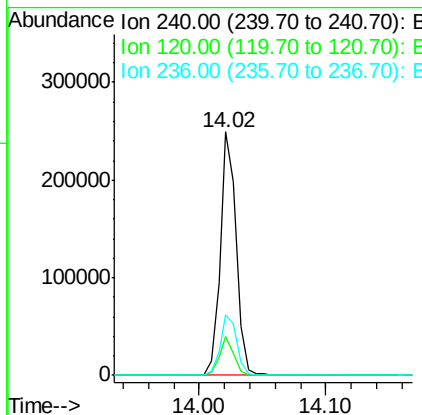
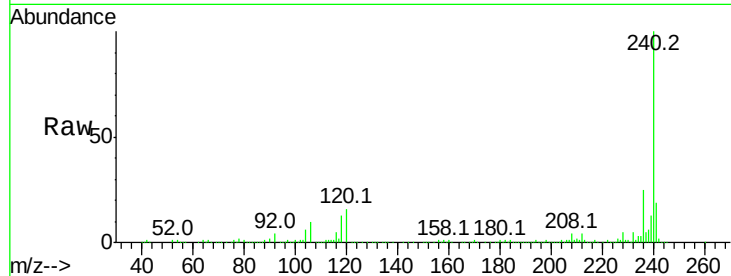
ClientSampleId :

G70-2.5-5

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.7	9.5	14.3
236	24.9	20.7	31.1

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#77

Pyrene

Concen: 2.603 ng

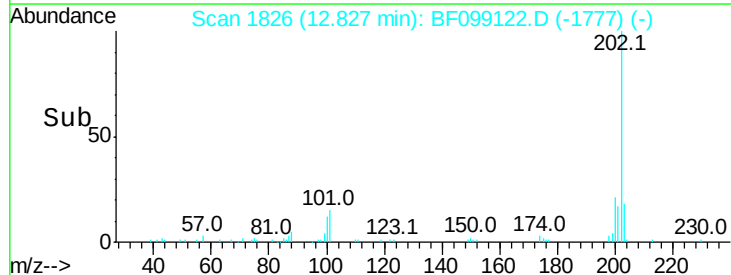
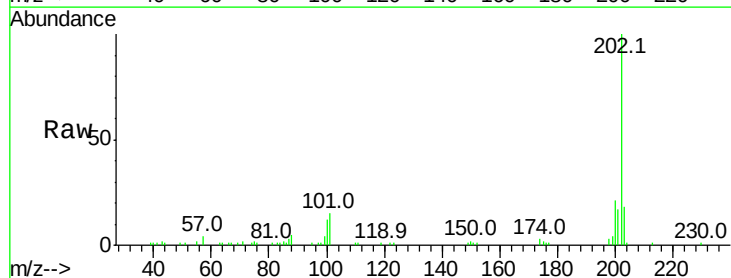
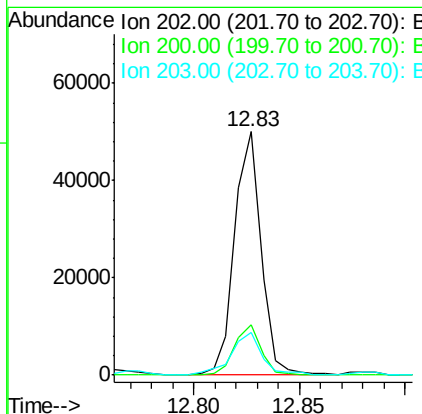
RT: 12.83 min Scan# 1826

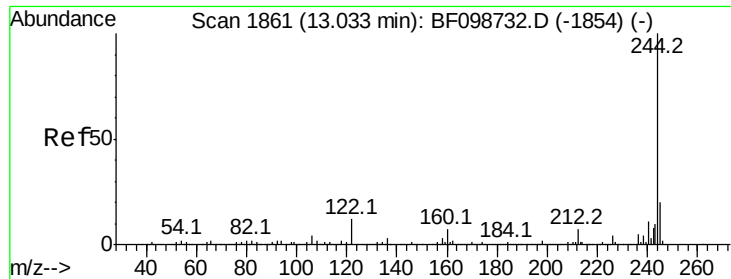
Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.5	14.3	21.5





#78

Terphenyl-d14

Concen: 21.162 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

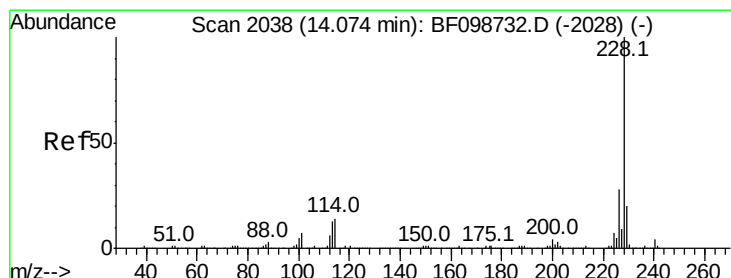
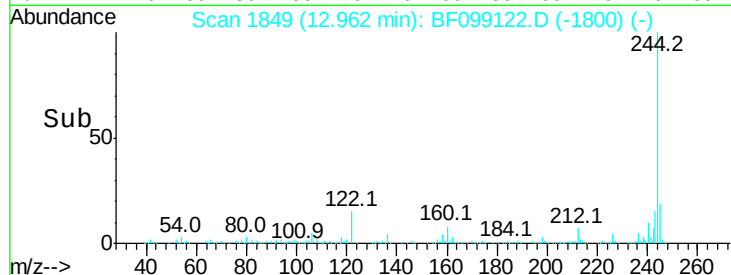
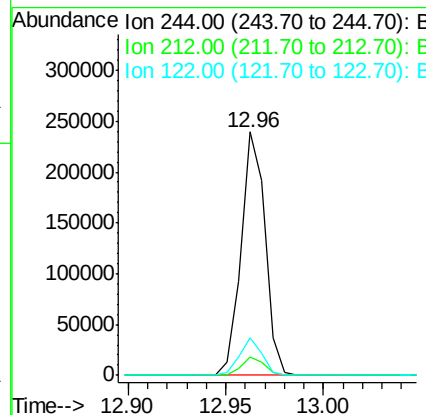
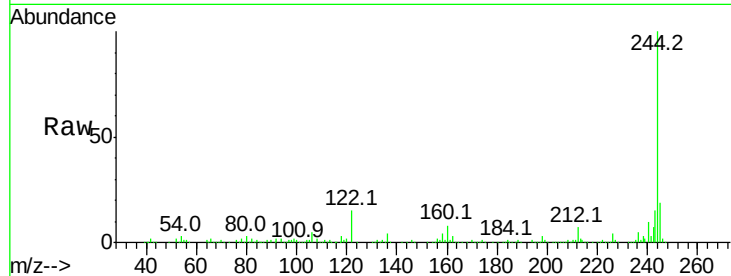
ClientSampleId :

G70-2.5-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	15.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 2.241 ng

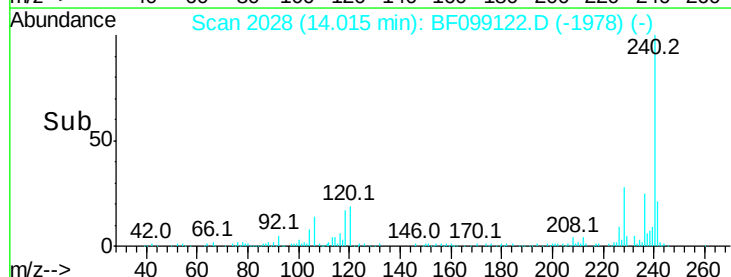
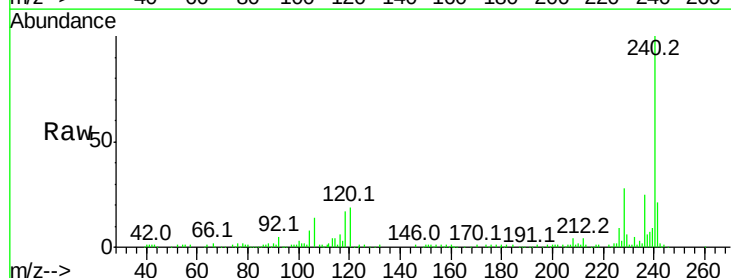
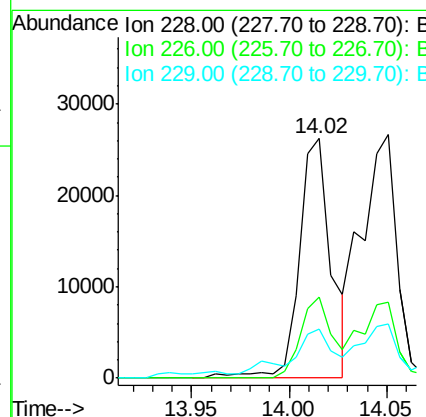
RT: 14.02 min Scan# 2028

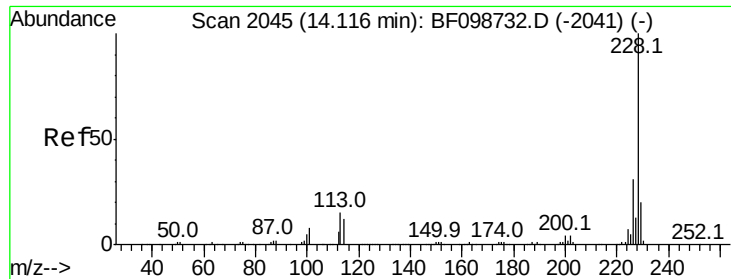
Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.6	33.8
229	20.7	15.8	23.6





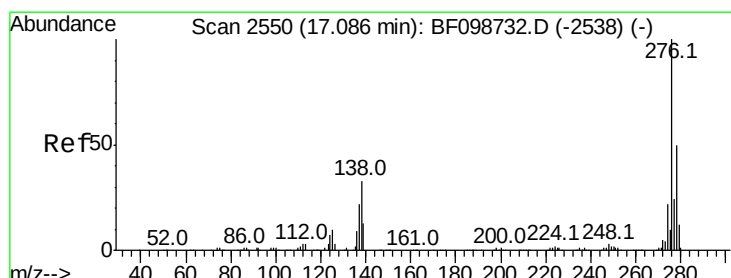
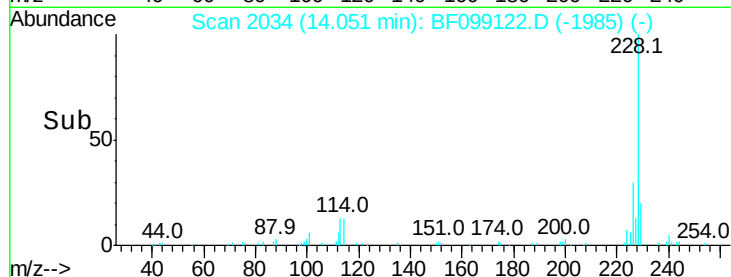
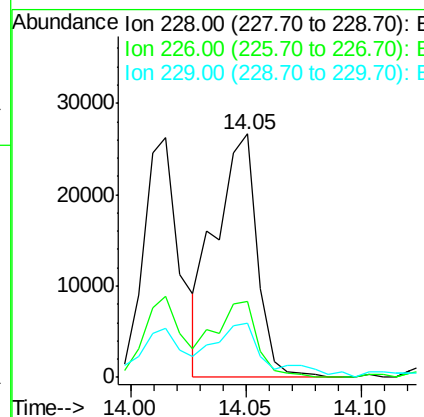
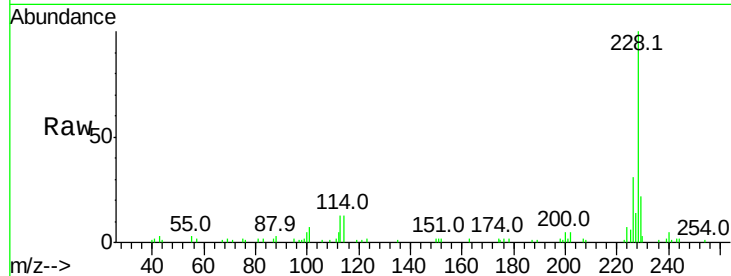
#82
Chrysene
Concen: 2.651 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Instrument :
BNA_F
ClientSampled :
G70-2.5-5

Tot Ion:	228	Resp:	33566
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	22.1	16.2	24.4

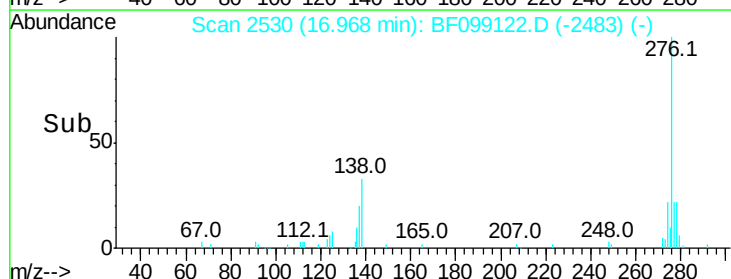
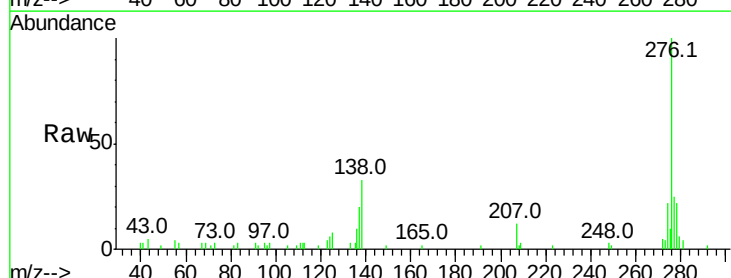
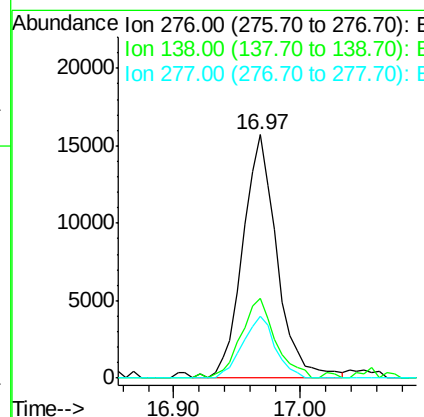
Manual Integrations
APPROVED

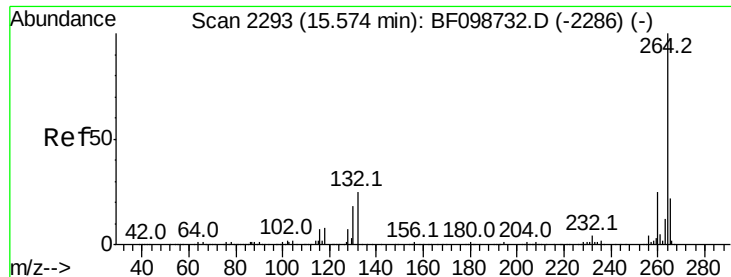
Sohil
10/6/2017 5:35:05 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.922 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion:	276	Resp:	29592
Ion Ratio	Lower	Upper	
276	100		
138	32.8	25.0	37.6
277	24.1	20.1	30.1





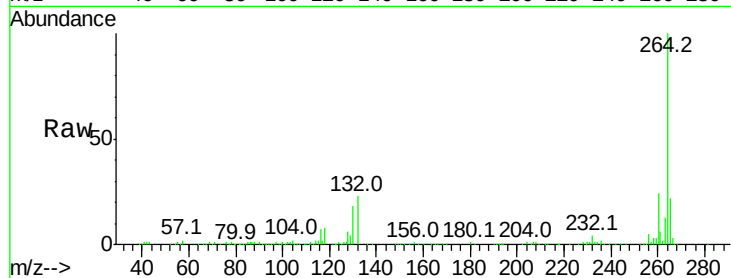
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Instrument :
BNA_F
ClientSampled :
G70-2.5-5

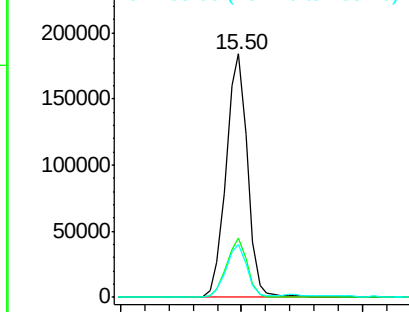
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.7	17.5	26.3

Manual Integrations
APPROVED

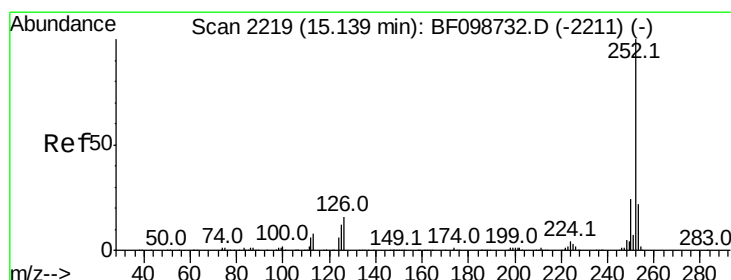
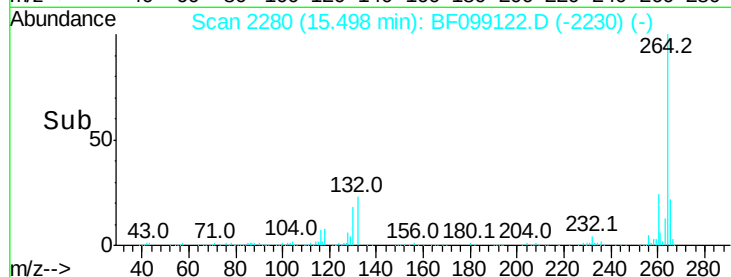
Sohil
10/6/2017 5:35:05 PM



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

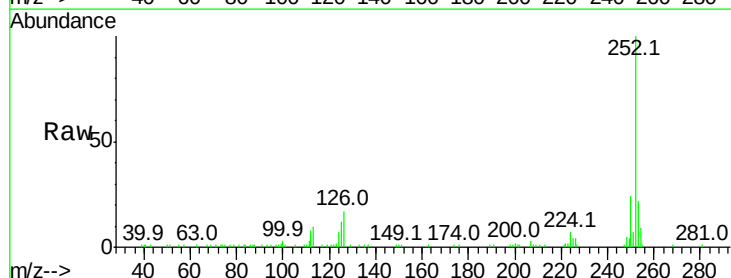


Time--> 15.40 15.50 15.60

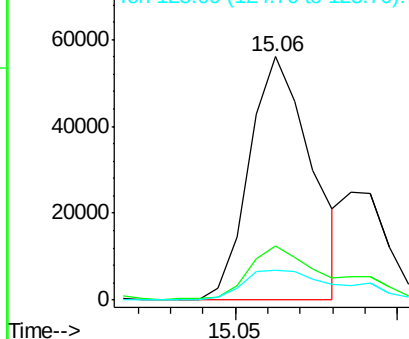


#87
Benzo(b)fluoranthene
Concen: 5.378 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

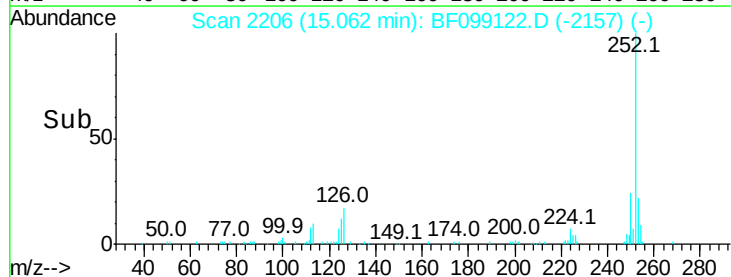
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	12.1	9.0	13.6

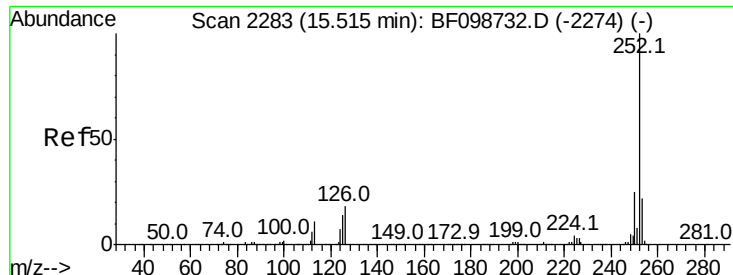


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 15.05





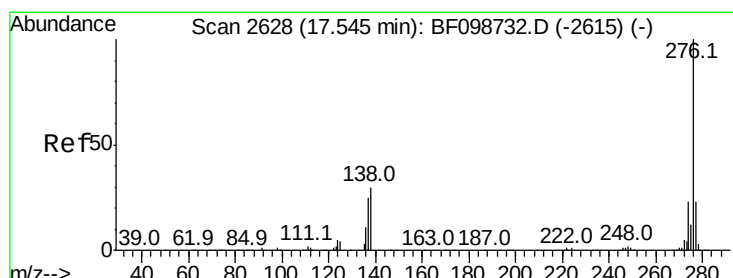
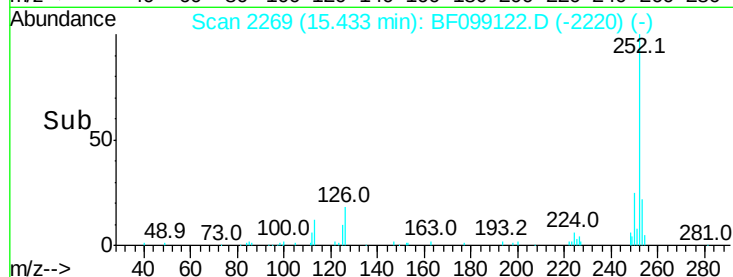
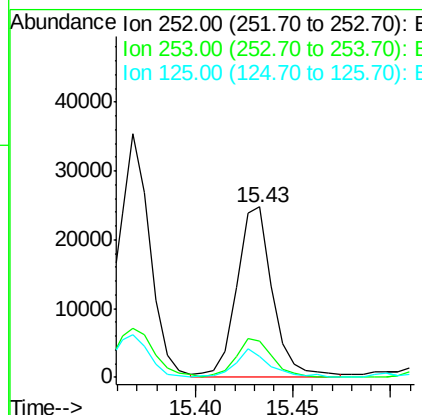
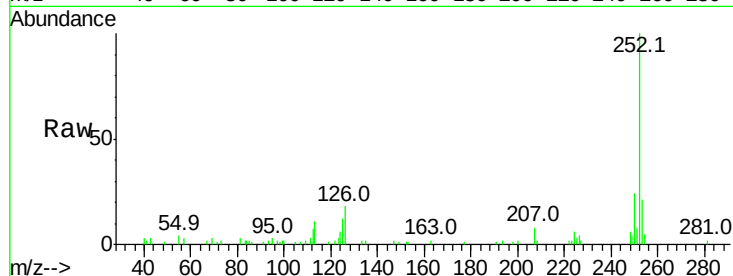
#89
Benzo(a)pyrene
Concen: 2.470 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Instrument :
BNA_F
ClientSampled :
G70-2.5-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	12.4	9.8	14.6

Manual Integrations
APPROVED

Sohil
10/6/2017 5:35:05 PM



#91
Benzo(g,h,i)perylene
Concen: 2.478 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.03 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	34.0	21.8	32.8#

