

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099659.D
 Acq On : 19 Oct 2017 11:30
 Operator : SJ/JU
 Sample : I5931-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BR-01-101617

Manual Integrations
 APPROVED

Sohil
 10/19/2017 6:15:56 PM

Quant Time: Oct 19 17:42:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 15:18:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	88117	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	311900	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	112506	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	182196	20.00	ng	0.00
75) Chrysene-d12	13.99	240	188540	20.00	ng	0.00
86) Perylene-d12	15.46	264	141154	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	679952	122.84	ng	0.02
7) Phenol-d6	6.47	99	696985	102.07	ng	0.00
23) Nitrobenzene-d5	7.39	82	472846	97.22	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	126748	137.68	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	802212	119.04	ng	0.00
78) Terphenyl-d14	12.93	244	652905	78.75	ng	0.00
Target Compounds						
31) Naphthalene	8.13	128	167759	11.452	ng	100
37) 2-Methylnaphthalene	8.82	142	30575m	3.211	ng	
51) Acenaphthene	9.89	154	38560	5.477	ng	99
54) Dibenzofuran	10.07	168	38313	4.087	ng	94
57) Fluorene	10.41	166	28778	3.820	ng	97
70) Phenanthrene	11.37	178	49673	5.093	ng	97

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

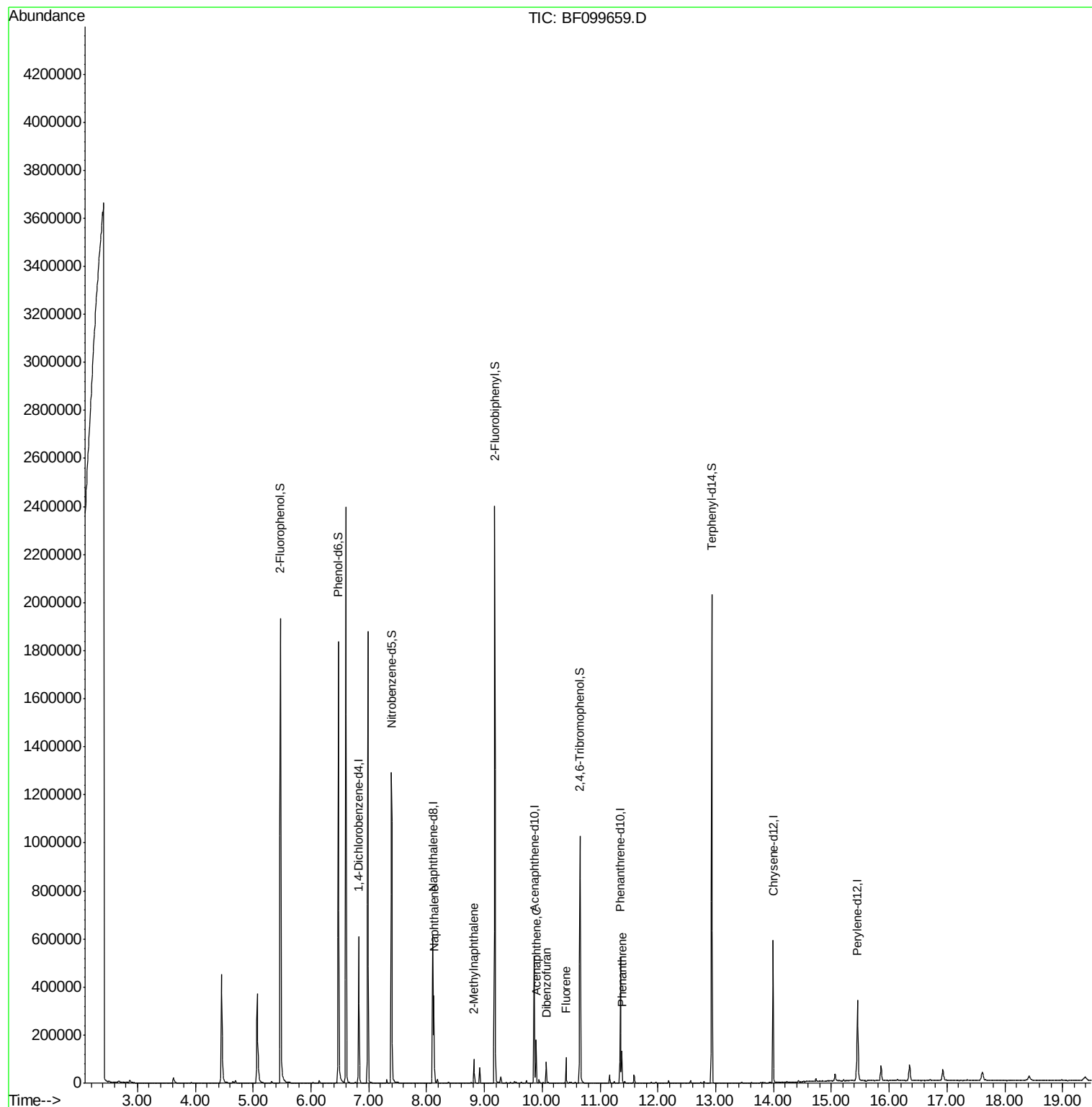
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099659.D
Acq On : 19 Oct 2017 11:30
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ALS Vial : 40 Sample Multiplier: 1

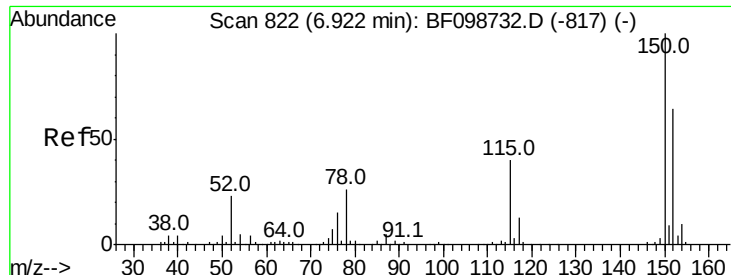
Instrument :
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BR-01-101617

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Quant Time: Oct 19 17:42:33 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

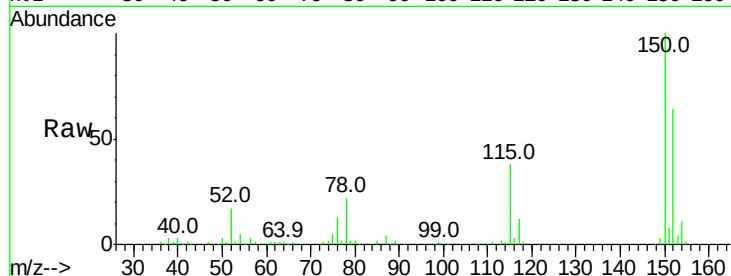
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099659.D
Acq: 19 Oct 2017 11:30

Instrument :
BNA_F
ClientSampleId :
BR-01-101617

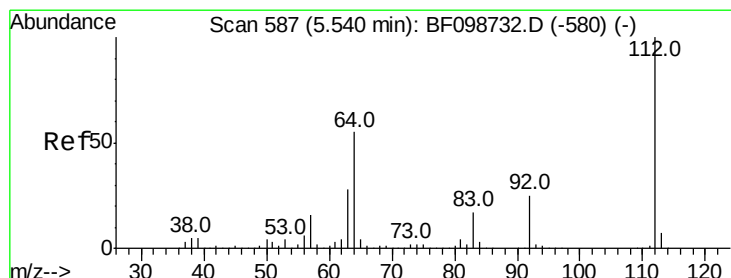
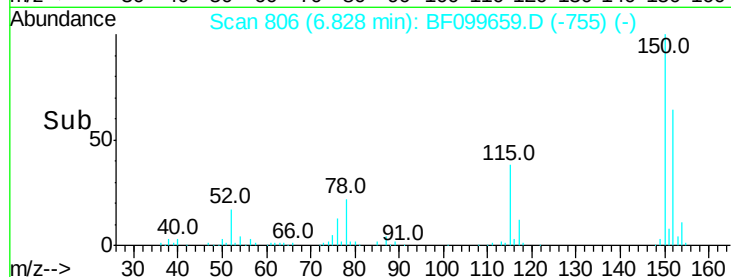
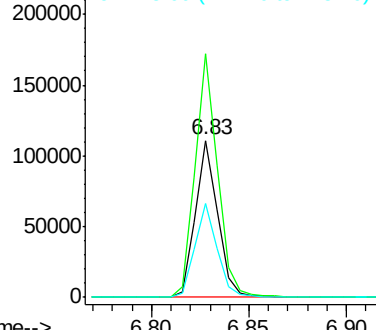
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	59.6	50.1	75.1

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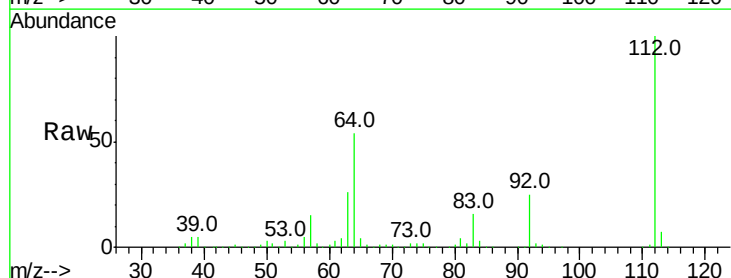
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



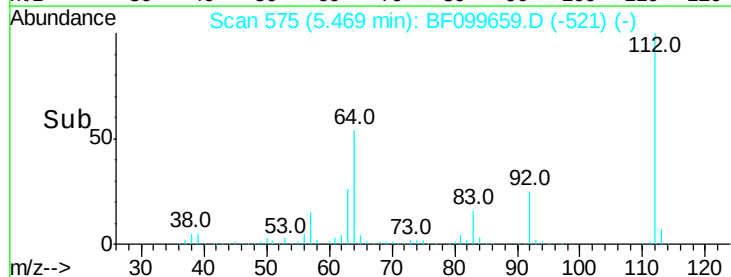
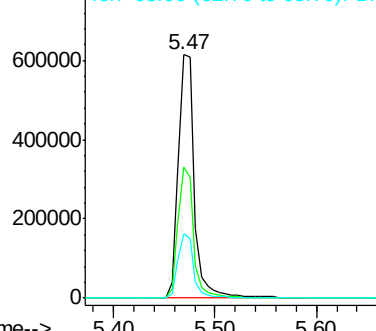
#5

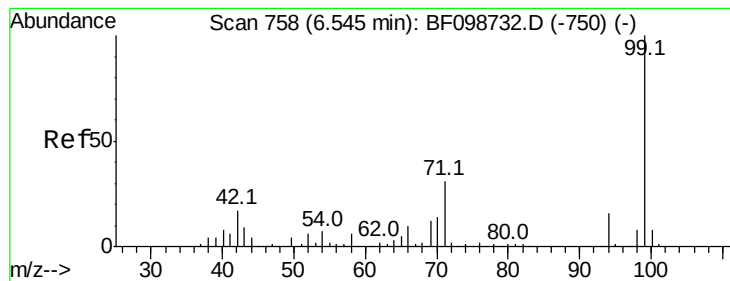
2-Fluorophenol
Concen: 122.839 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.02 min
Lab File: BF099659.D
Acq: 19 Oct 2017 11:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	47.9	71.9
63	26.3	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.071 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099659.D

Acq: 19 Oct 2017 11:30

Instrument :

BNA_F

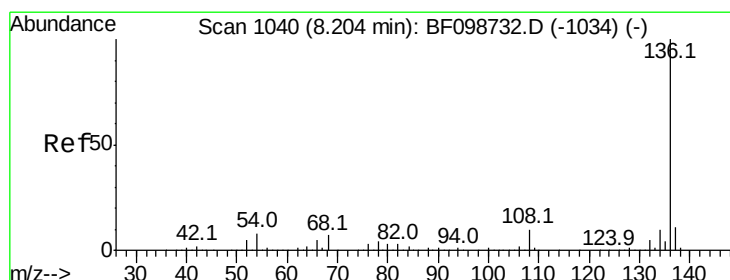
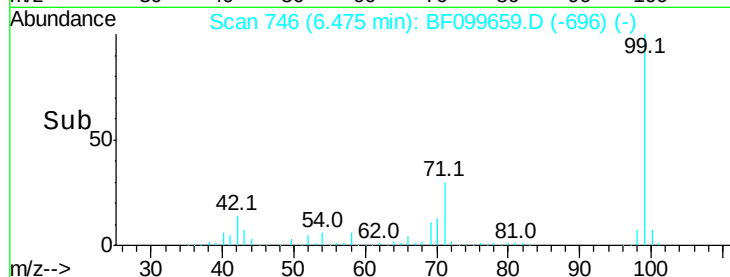
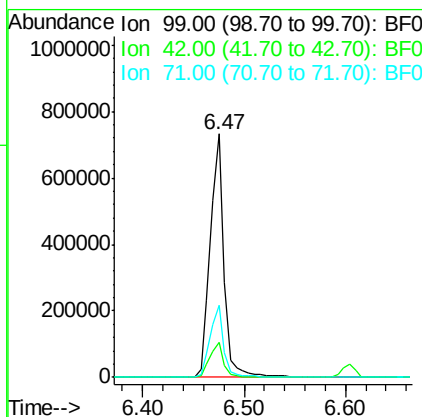
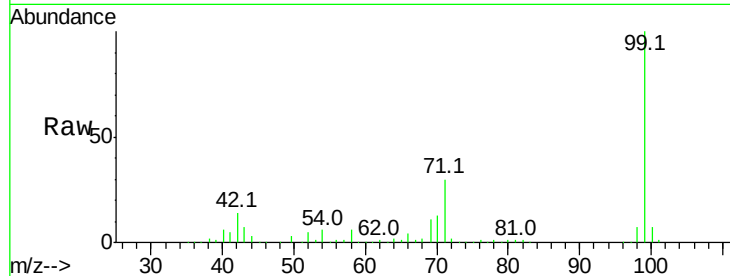
ClientSampled :

BR-01-101617

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		696985		
42	14.3	14.5	21.7#		
71	29.6	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

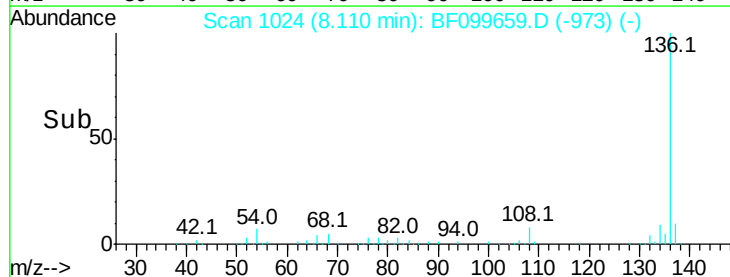
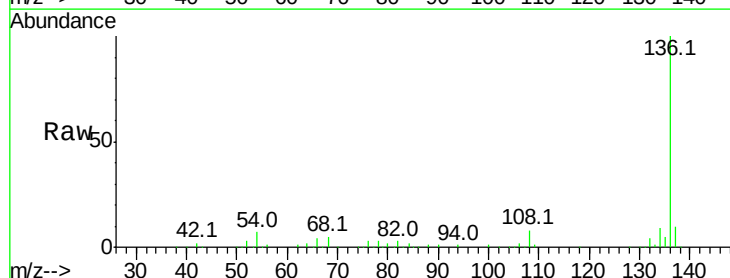
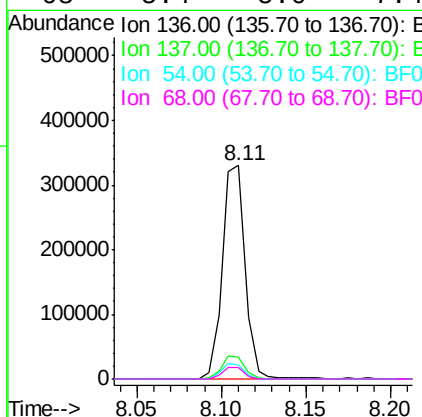
RT: 8.11 min Scan# 1024

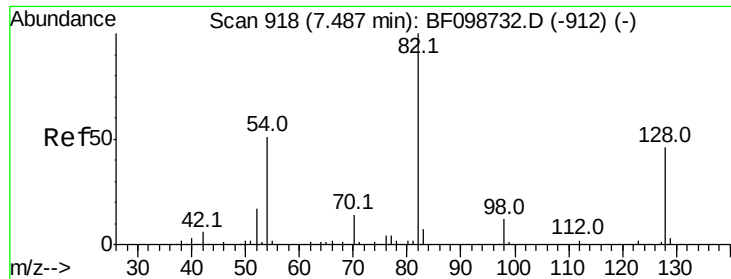
Delta R.T. 0.00 min

Lab File: BF099659.D

Acq: 19 Oct 2017 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		311900		
137	10.4	8.9	13.3		
54	6.5	6.6	9.8#		
68	5.4	5.0	7.4		





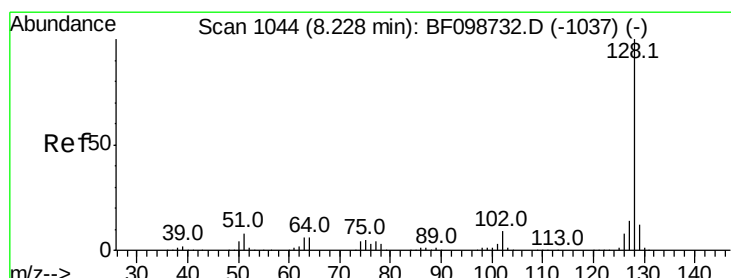
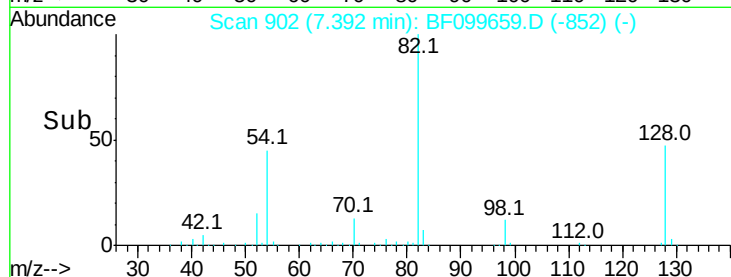
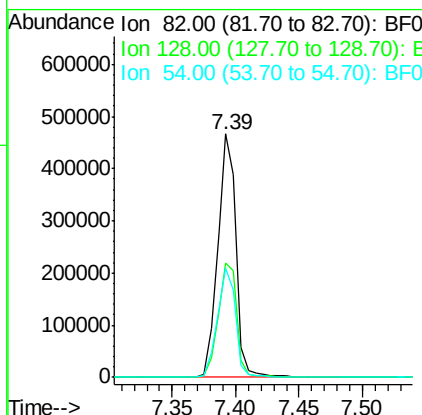
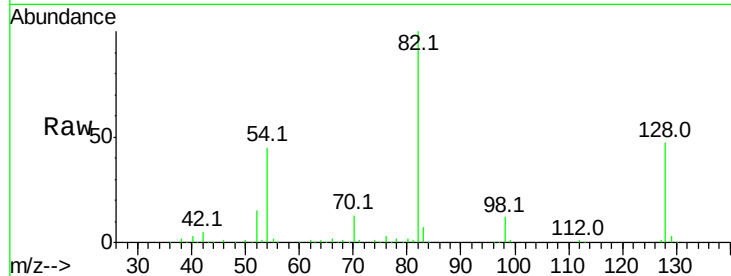
#23
Nitrobenzene-d5
Concen: 97.222 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099659.D
Acq: 19 Oct 2017 11:30

Instrument :
BNA_F
ClientSampleId :
BR-01-101617

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.1	54.1
54	45.0	41.4	62.2

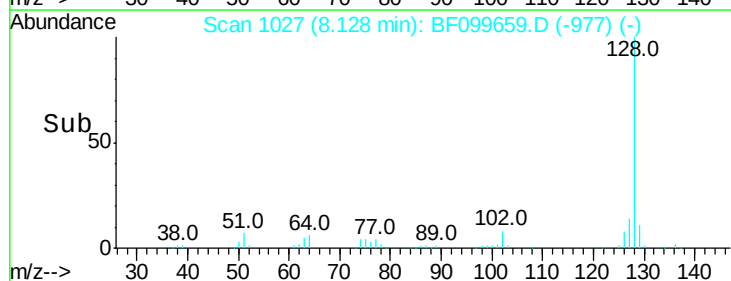
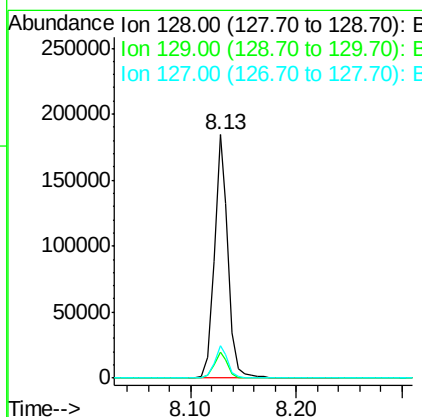
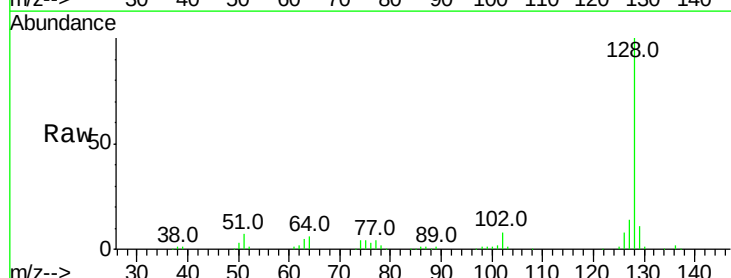
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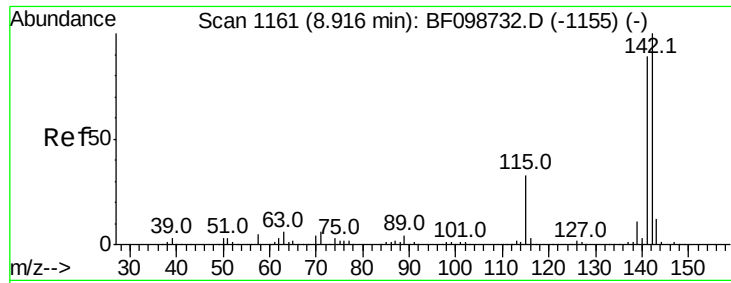
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#31
Naphthalene
Concen: 11.452 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099659.D
Acq: 19 Oct 2017 11:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.5	10.9	16.3





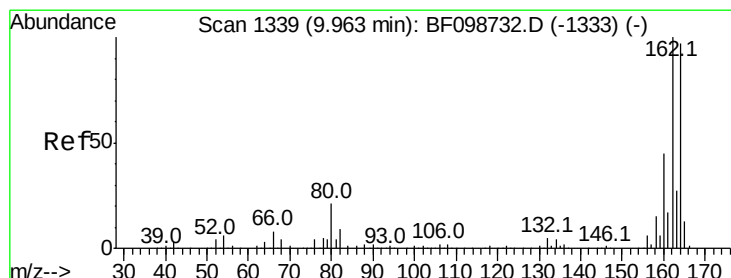
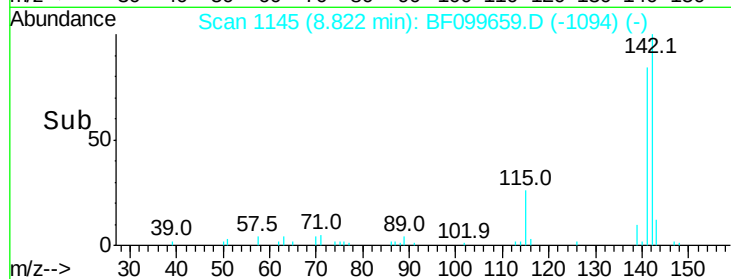
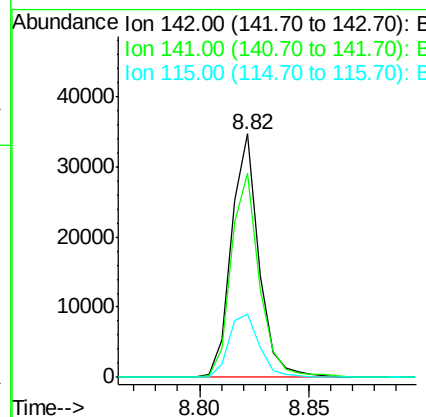
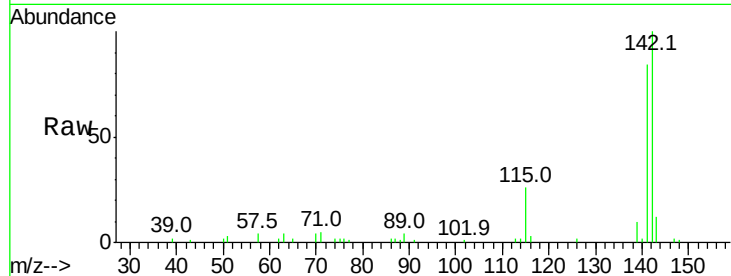
#37
2-Methylnaphthalene
Concen: 3.211 ng m
RT: 8.82 min Scan# 1145
Delta R.T. 0.00 min
Lab File: BF099659.D
Acq: 19 Oct 2017 11:30

Instrument :
BNA_F
ClientSampleId :
BR-01-101617

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.8	70.8	106.2
115	26.1	26.1	39.1#

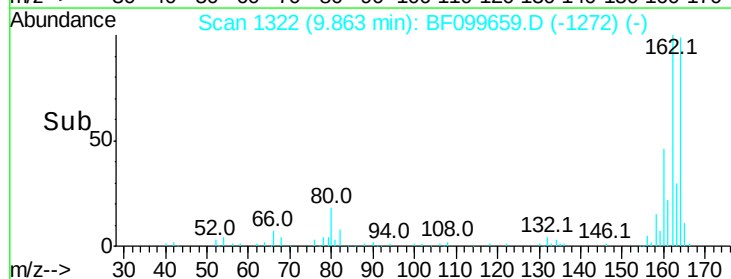
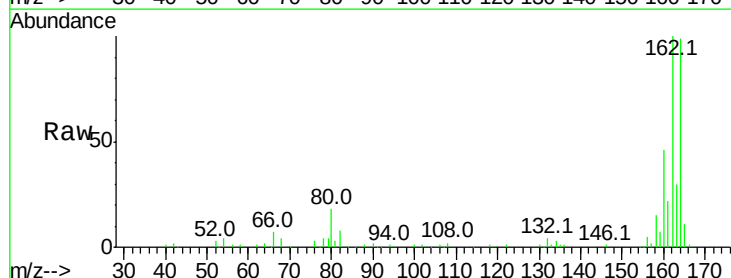
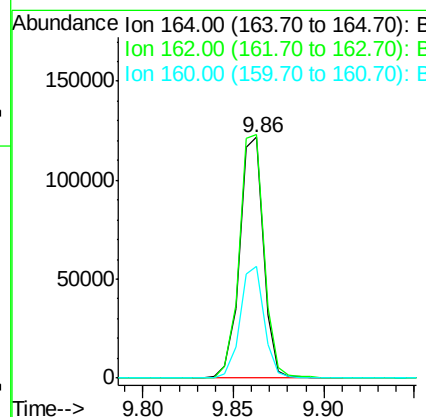
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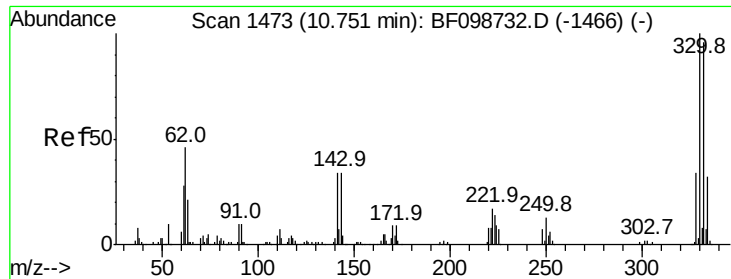
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF099659.D
Acq: 19 Oct 2017 11:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	46.5	38.3	57.5





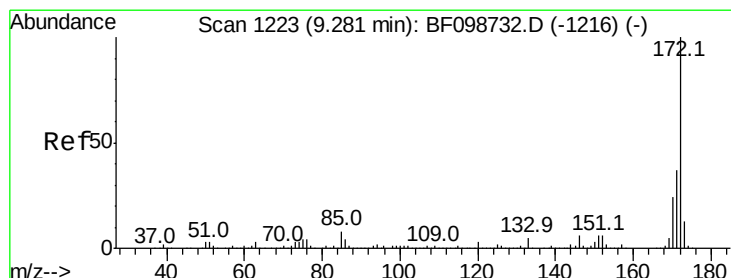
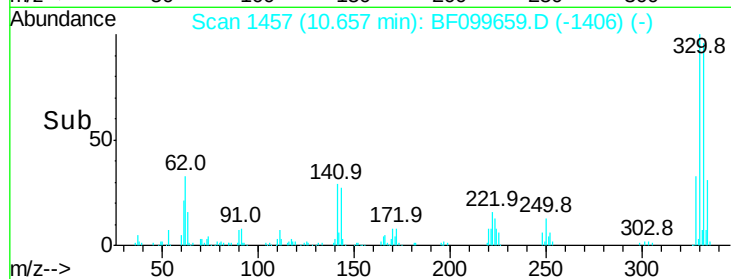
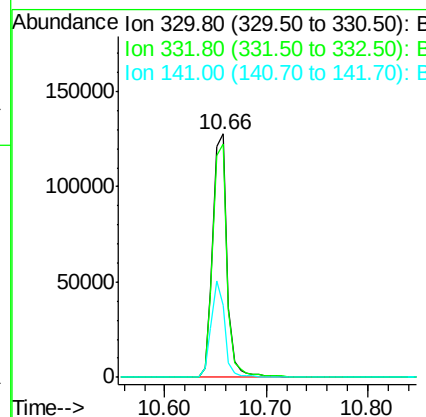
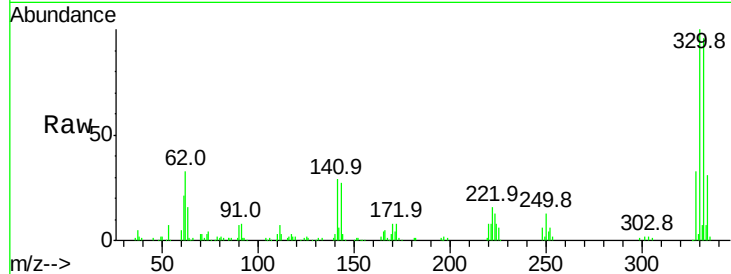
#41
 2,4,6-Tribromophenol
 Concen: 137.679 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099659.D
 Acq: 19 Oct 2017 11:30

Instrument :
 BNA_F
 ClientSampleId :
 BR-01-101617

Tot Ion	Ratio	Resp	Lower	Upper
330	100	126748		
332	96.4	77.0	115.6	
141	37.2	29.9	44.9	

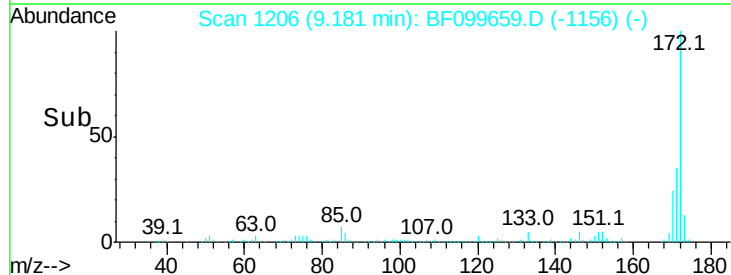
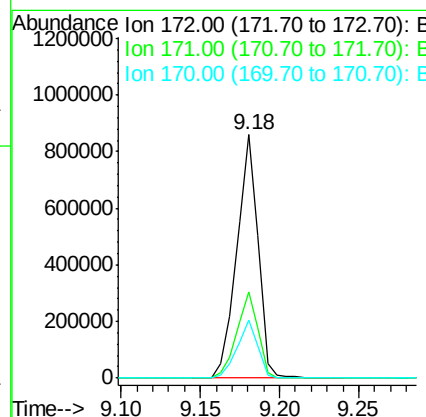
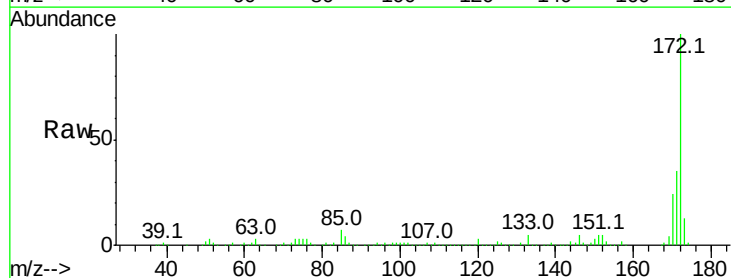
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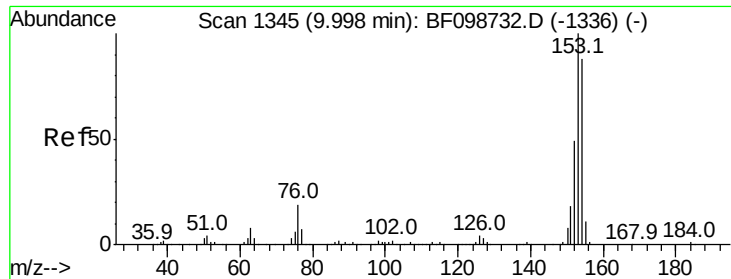
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#44
 2-Fluorobiphenyl
 Concen: 119.036 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099659.D
 Acq: 19 Oct 2017 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	802212		
171	35.4	29.7	44.5	
170	23.6	19.6	29.4	





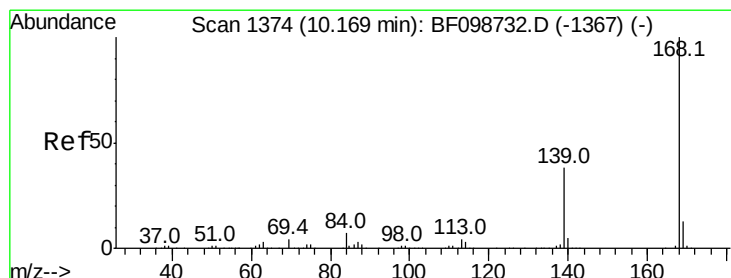
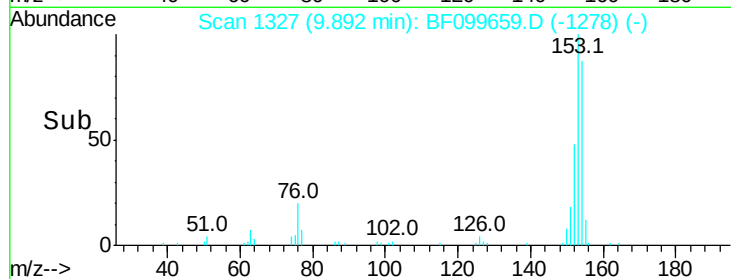
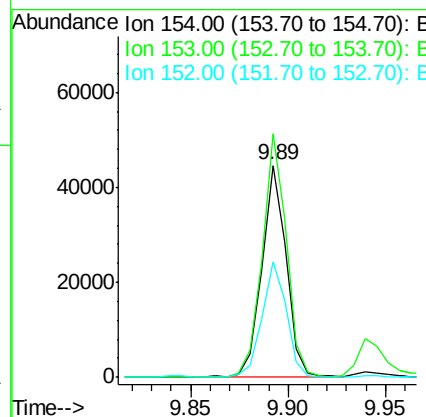
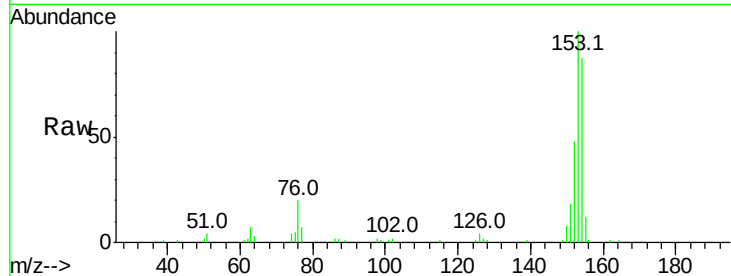
#51
Acenaphthene
Concen: 5.477 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF099659.D
Acq: 19 Oct 2017 11:30

Instrument :
BNA_F
ClientSampleId :
BR-01-101617

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.0	91.2	136.8
152	54.8	43.8	65.8

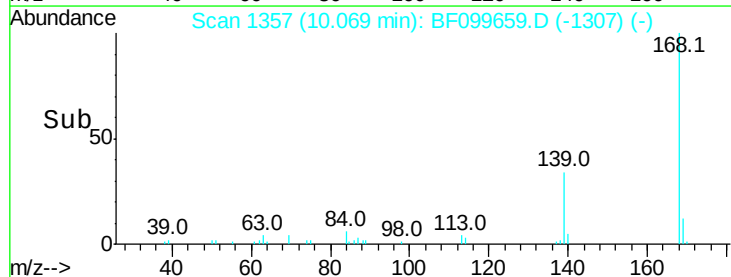
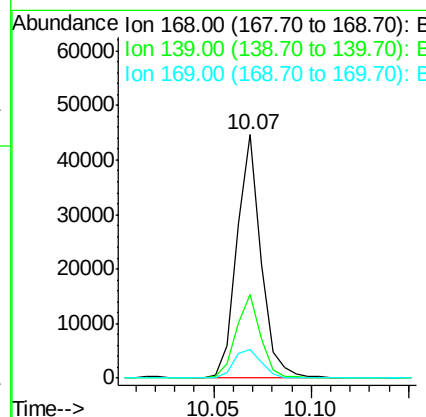
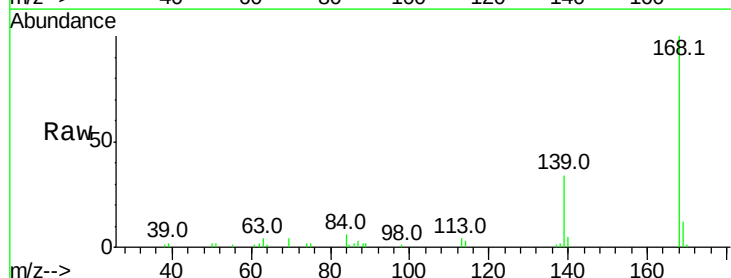
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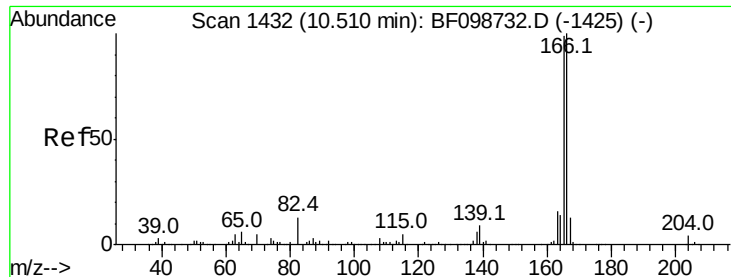
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#54
Dibenzofuran
Concen: 4.087 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF099659.D
Acq: 19 Oct 2017 11:30

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.1	30.1	45.1
169	11.7	10.9	16.3





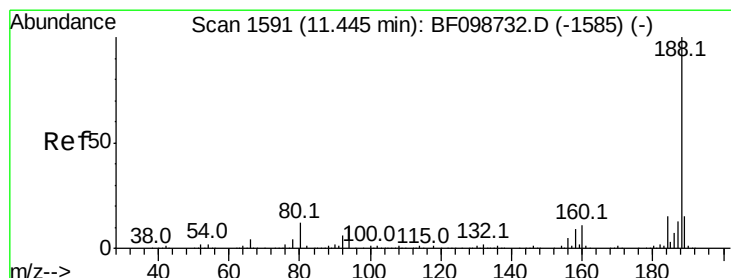
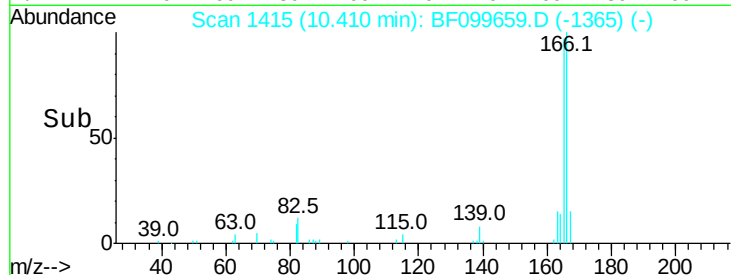
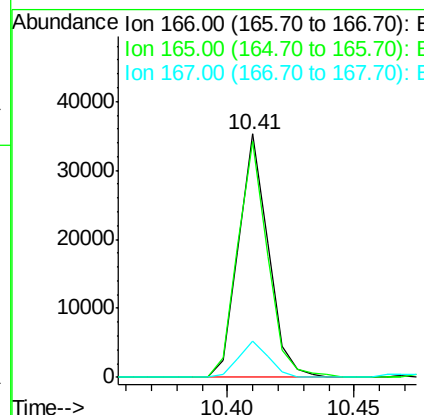
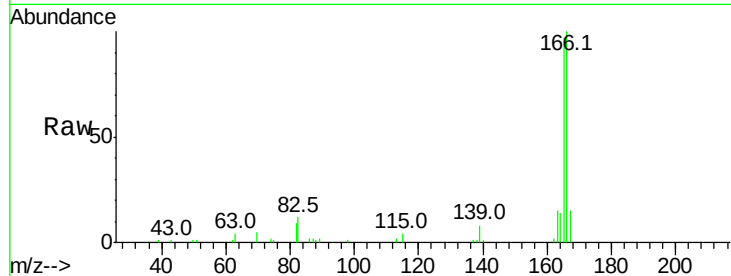
#57
Fluorene
 Concen: 3.820 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF099659.D
 Acq: 19 Oct 2017 11:30

Instrument :
 BNA_F
 ClientSampleId :
 BR-01-101617

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.8	119.8
167	14.9	10.6	16.0

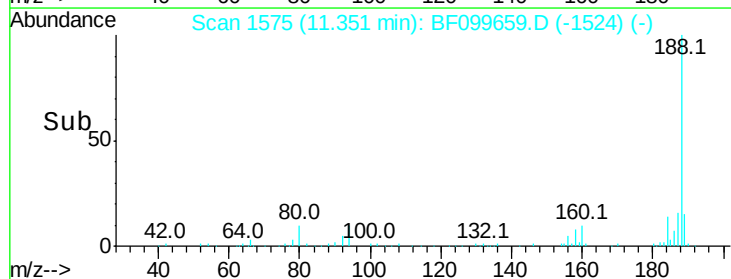
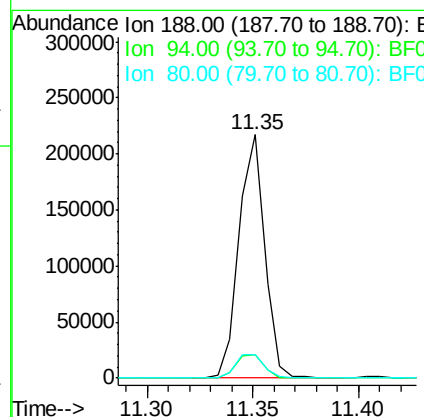
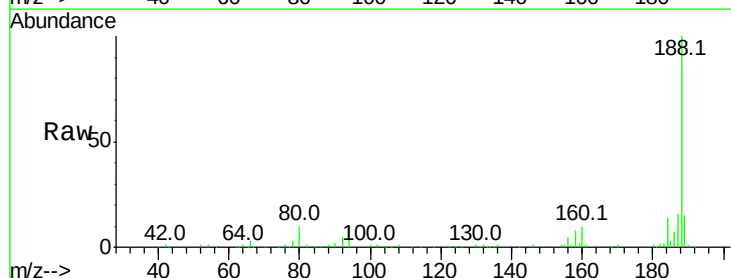
Manual Integrations
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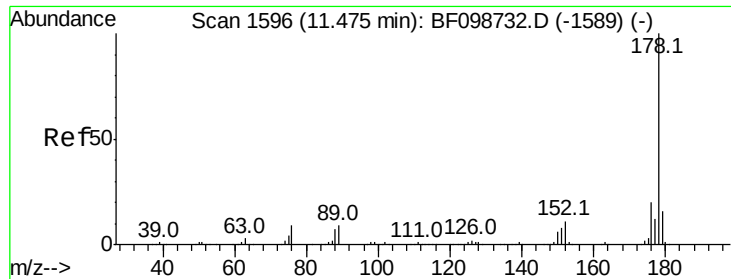
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099659.D
 Acq: 19 Oct 2017 11:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	9.8	9.2	13.8





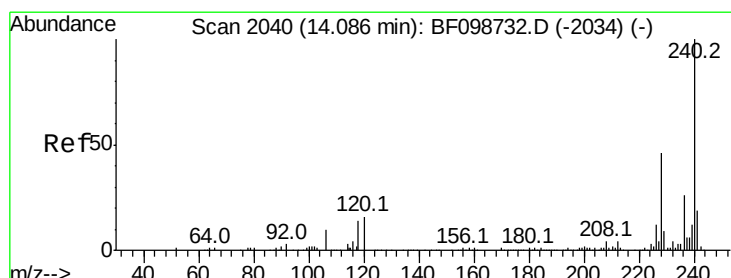
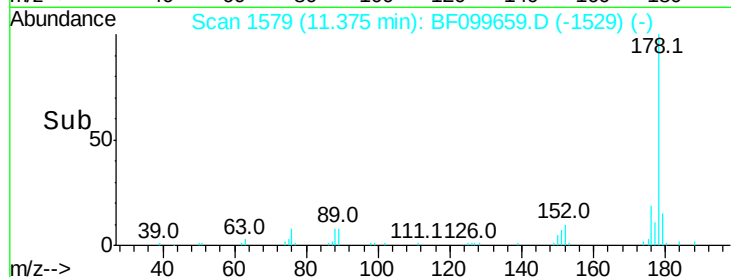
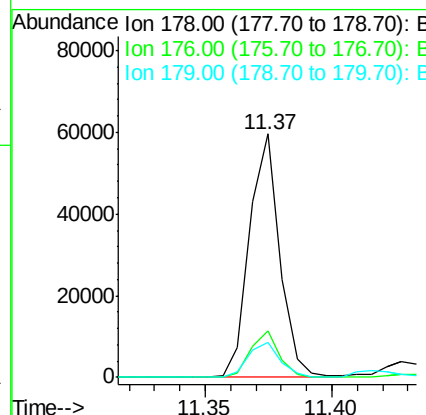
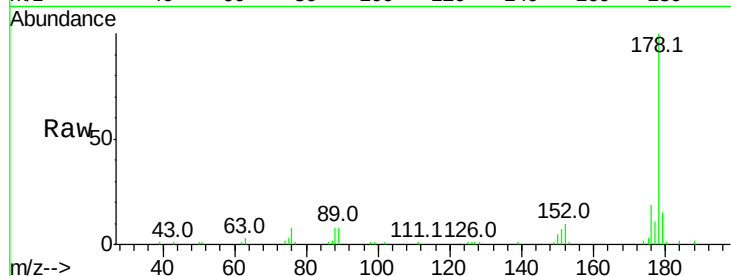
#70
Phenanthrene
Concen: 5.093 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF099659.D
Acq: 19 Oct 2017 11:30

Instrument :
BNA_F
ClientSampleId :
BR-01-101617

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	14.5	13.0	19.6

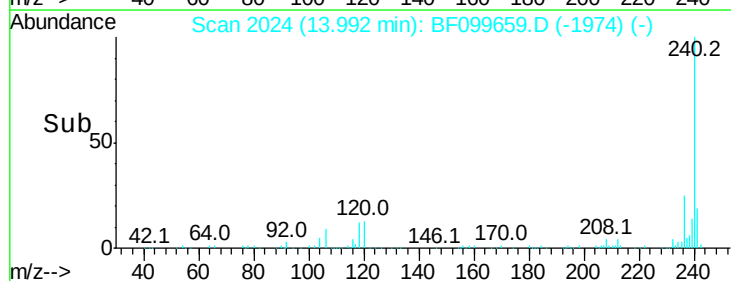
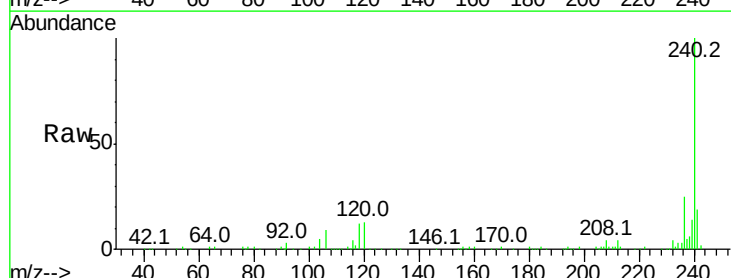
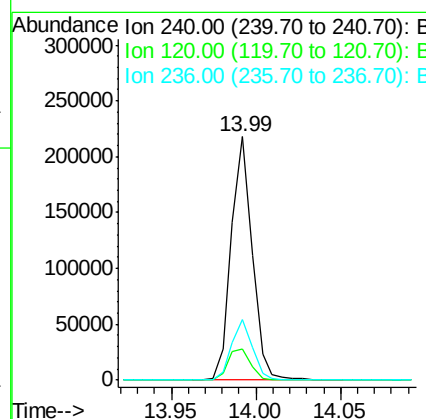
Manual Integrations
APPROVED

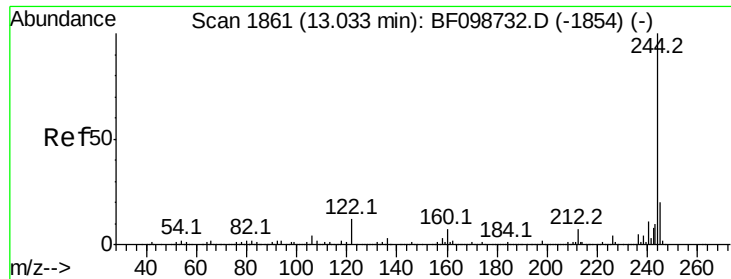
Sohil
10/19/2017 6:15:56 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF099659.D
Acq: 19 Oct 2017 11:30

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.1	20.7	31.1





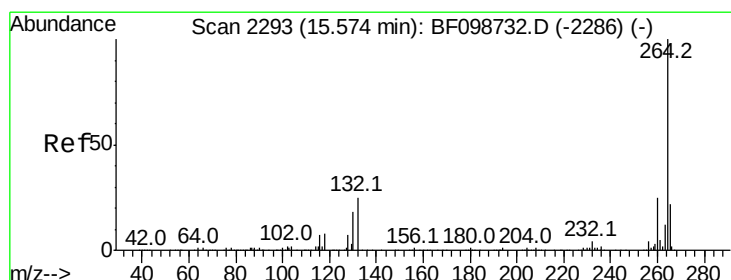
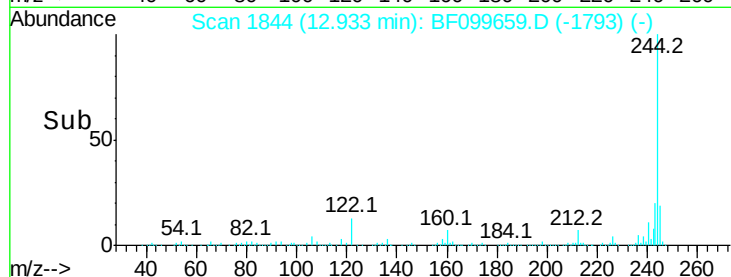
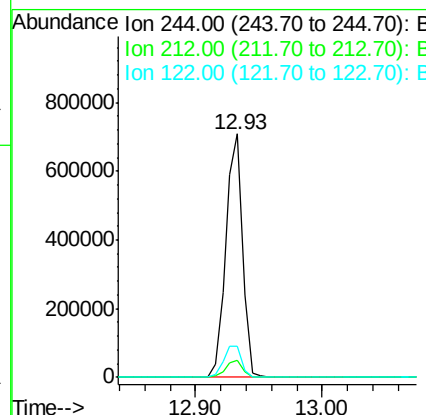
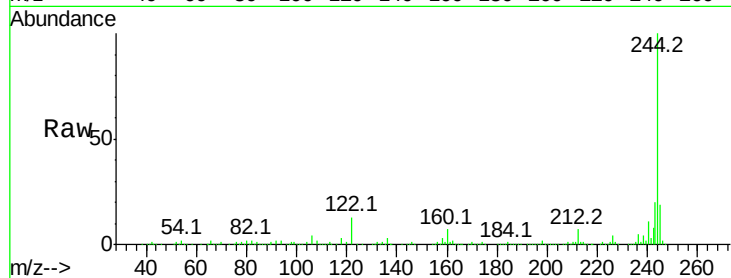
#78
 Terphenyl-d14
 Concen: 78.755 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF099659.D
 Acq: 19 Oct 2017 11:30

Instrument :
 BNA_F
 ClientSampleId :
 BR-01-101617

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.0	11.0	16.4

Manual Integrations
 APPROVED

Sohil
 10/19/2017 6:15:56 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: BF099659.D
 Acq: 19 Oct 2017 11:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	19.8	17.5	26.3

