

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101806.D
 Acq On : 28 Dec 2017 16:58
 Operator : SJ/JU
 Sample : I6970-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S1-10-15

Manual Integrations
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 12/29/2017 11:55:16 AM

Quant Time: Dec 28 18:17:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	155313	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	601224	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	244762	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	387600	20.00	ng	0.00
75) Chrysene-d12	13.96	240	304060	20.00	ng	0.00
86) Perylene-d12	15.43	264	290494	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1027404	98.54	ng	0.00
7) Phenol-d6	6.43	99	1222084	94.18	ng	0.00
23) Nitrobenzene-d5	7.36	82	756549	70.05	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	219240	92.96	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1162396	73.67	ng	0.00
78) Terphenyl-d14	12.89	244	861545	68.31	ng	0.00
Target Compounds						
10) Phenol	6.45	94	46091	3.116	ng	# 64
25) Isophorone	7.36	82	756549	34.918	ng	# 64
49) Dimethylphthalate	9.54	163	59129	3.003	ng	98
57) Fluorene	10.37	166	43465	2.565	ng	96
70) Phenanthrene	11.34	178	492620	22.854	ng	98
71) Anthracene	11.39	178	136996	6.222	ng	97
74) Fluoranthene	12.53	202	393017	17.371	ng	97
77) Pyrene	12.76	202	443512	19.436	ng	99
80) Benzo(a)anthracene	13.95	228	183931	9.161	ng	97
82) Chrysene	13.99	228	167981	8.861	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	60278m	3.571	ng	
87) Benzo(b)fluoranthene	15.01	252	150776m	8.515	ng	
88) Benzo(k)fluoranthene	15.03	252	53913m	3.132	ng	
89) Benzo(a)pyrene	15.38	252	131278	8.043	ng	98
91) Benzo(a,h,i)perylene	17.38	276	60284	4.344	ng	# 93

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

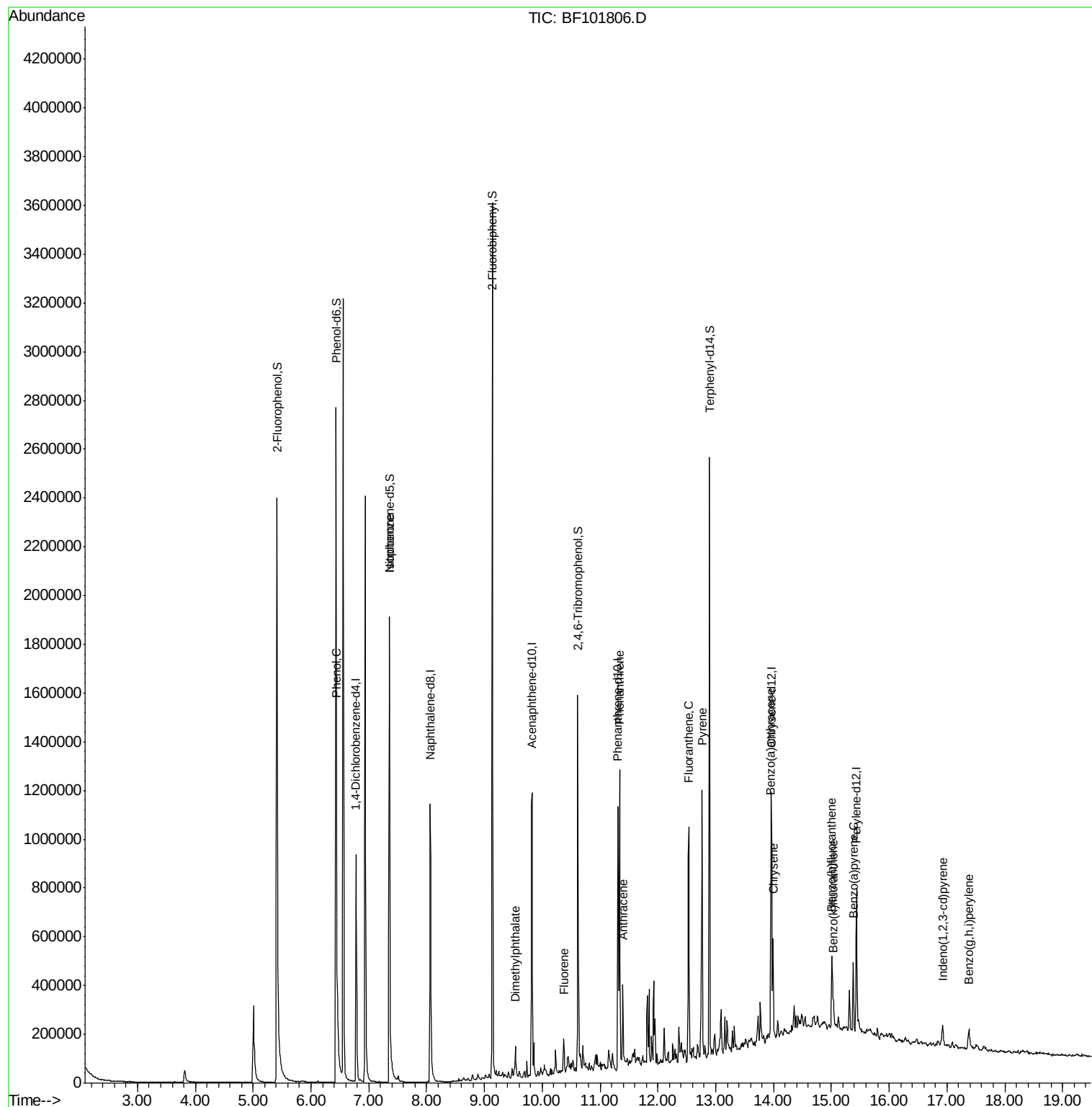
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101806.D
Acq On : 28 Dec 2017 16:58
Operator : SJ/JU
Sample : I6970-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

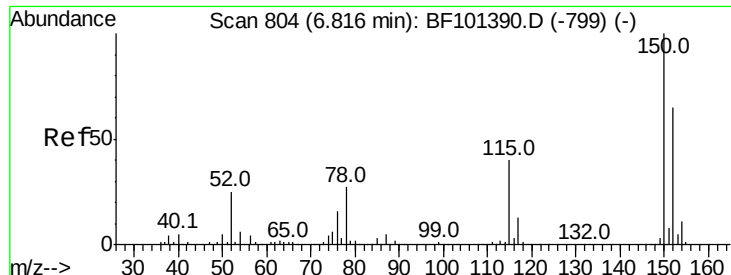
Instrument :
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Quant Time: Dec 28 18:17:09 2017
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#1

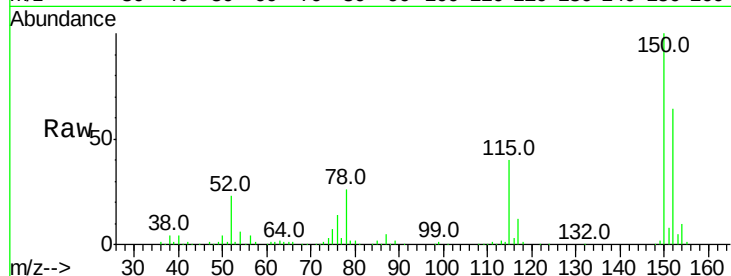
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF101806.D
 Acq: 28 Dec 2017 16:58

Instrument :
 BNA_F
 ClientSampleId :
 S1-10-15

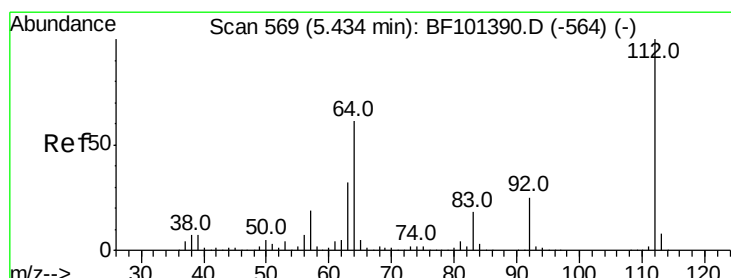
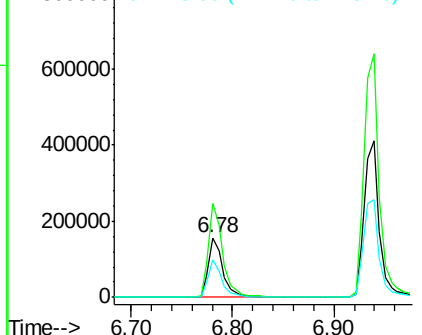
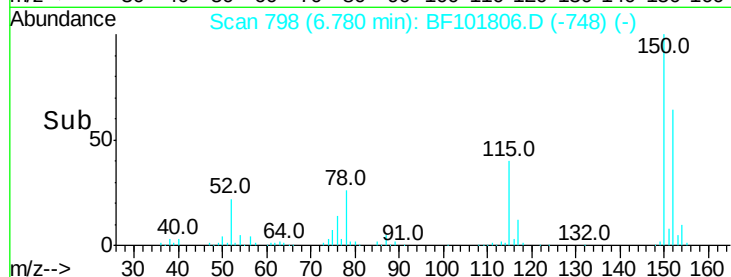
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	62.4	50.1	75.1

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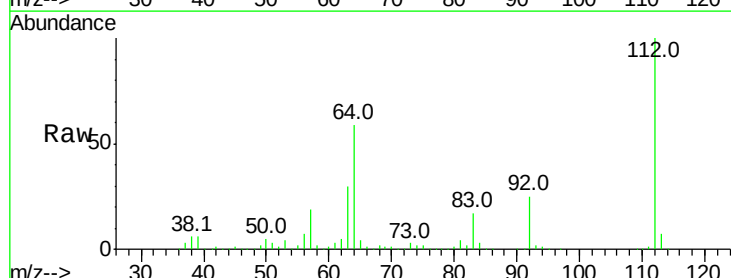
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



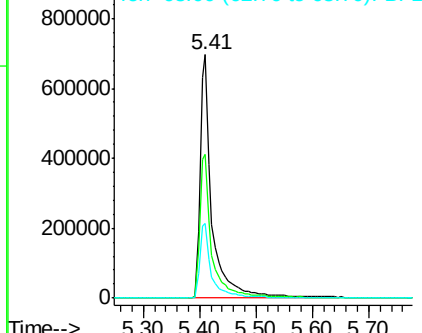
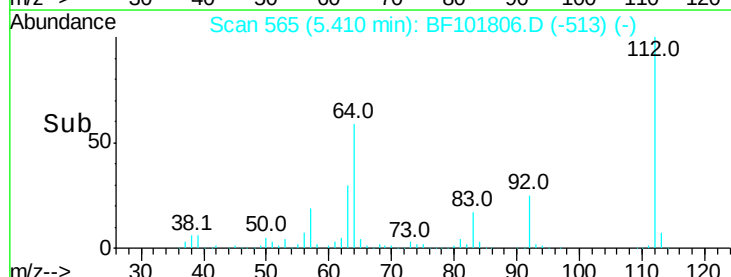
#5

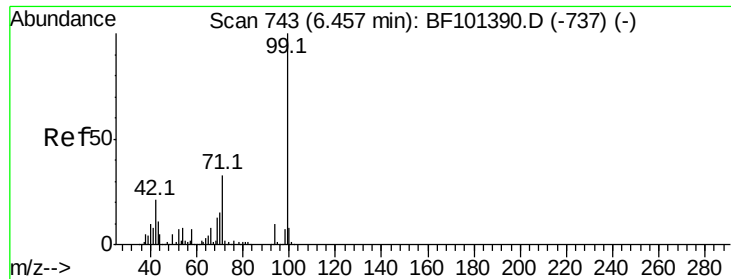
2-Fluorophenol
 Concen: 98.536 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF101806.D
 Acq: 28 Dec 2017 16:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.9	71.9
63	30.4	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.178 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

ClientSampled :

S1-10-15

Tot Ion: 99 Resp: 1222084

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

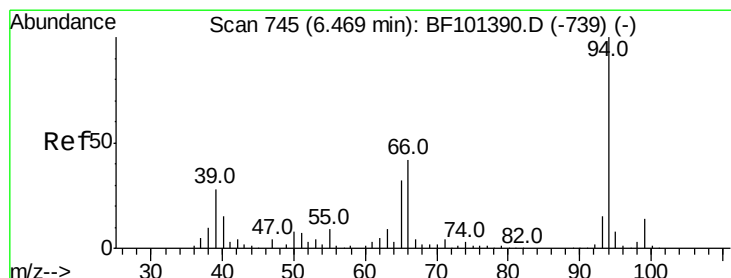
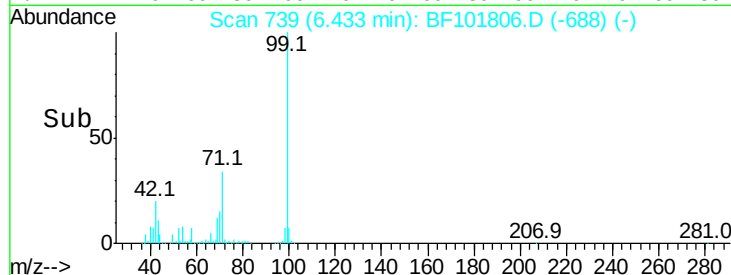
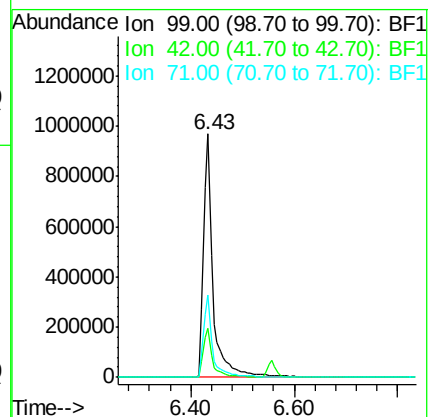
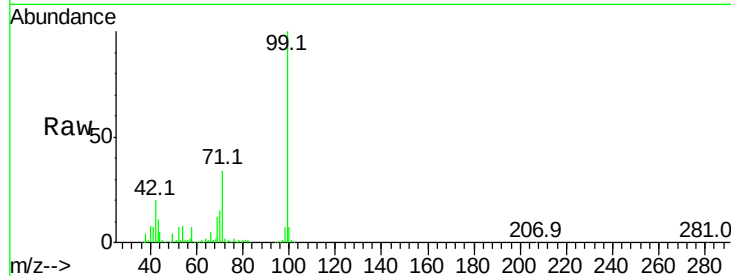
71 33.8 25.4 38.0

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#10

Phenol

Concen: 3.116 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101806.D

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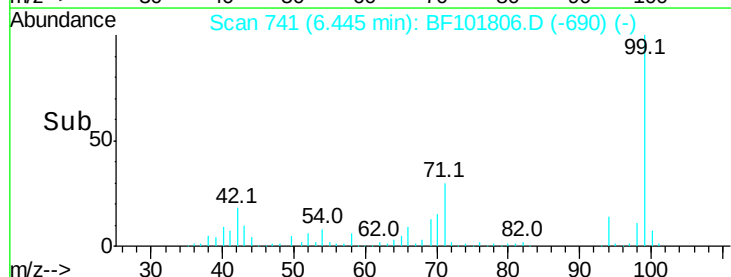
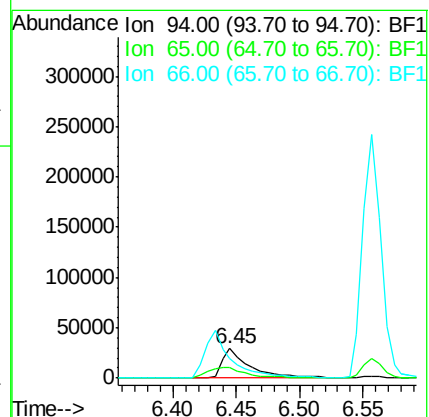
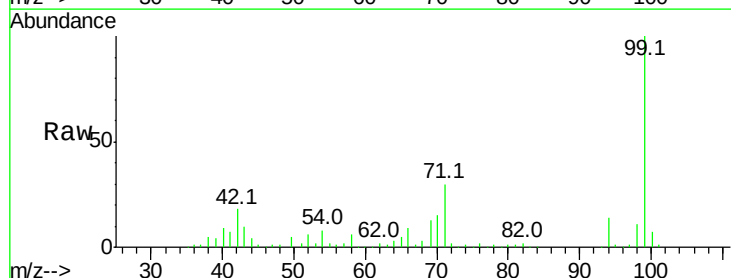
Tgt Ion: 94 Resp: 46091

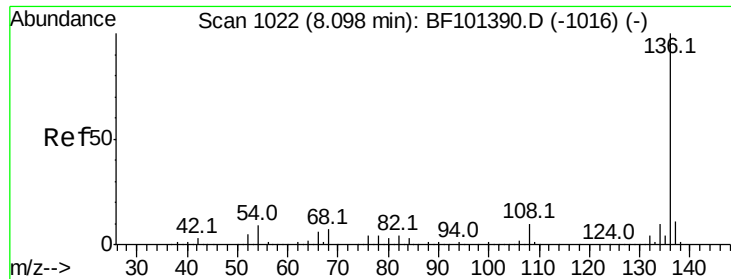
Ion Ratio Lower Upper

94 100

65 36.6 7.9 47.9

66 66.2 16.2 56.2#





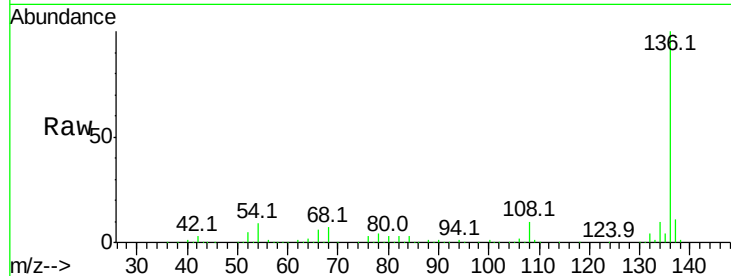
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Instrument :
BNA_F
ClientSampleId :
S1-10-15

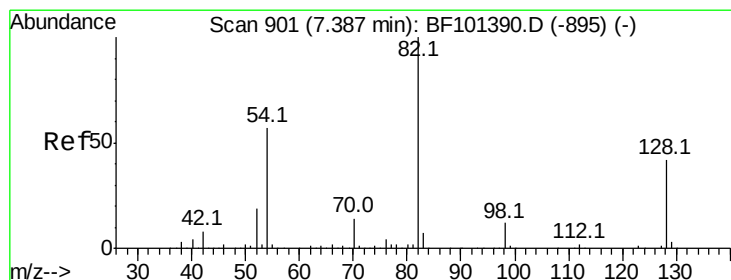
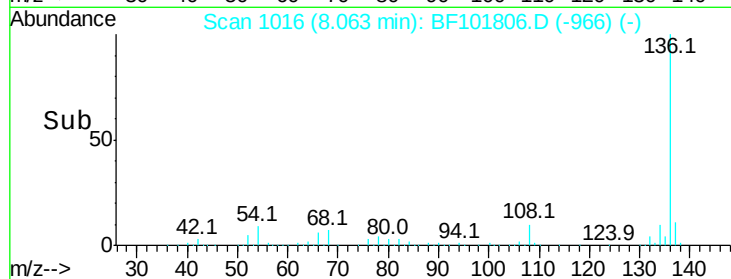
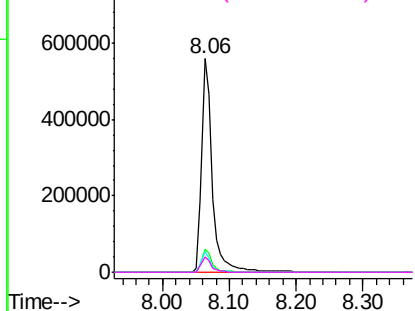
Tot Ion	Ratio	Resp	Lower	Upper
136	100	601224		
137	11.1		8.9	13.3
54	9.5		6.6	9.8
68	7.1		5.0	7.4

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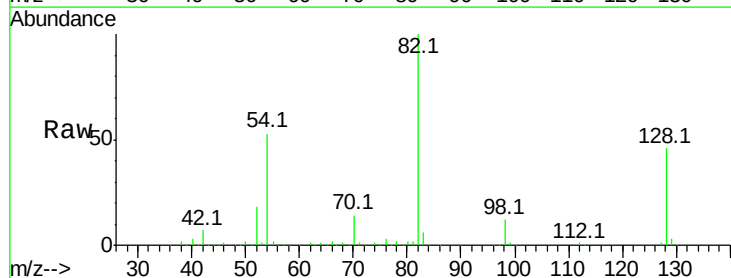


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

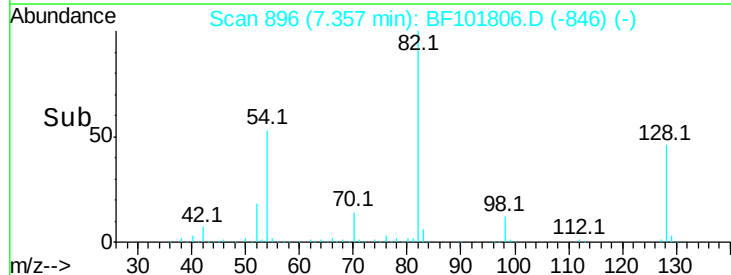
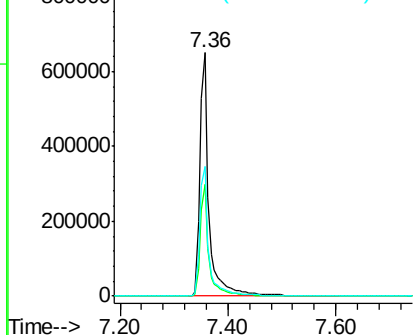


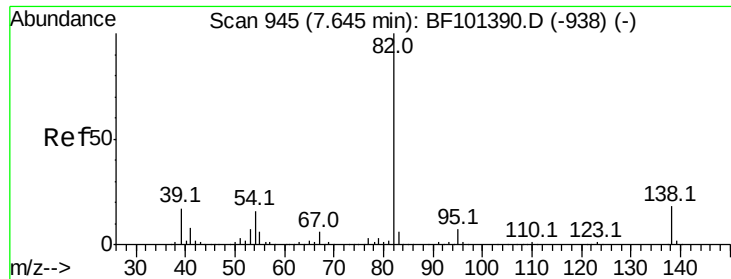
#23
Nitrobenzene-d5
Concen: 70.047 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	756549		
128	45.9		36.1	54.1
54	53.3		41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.918 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

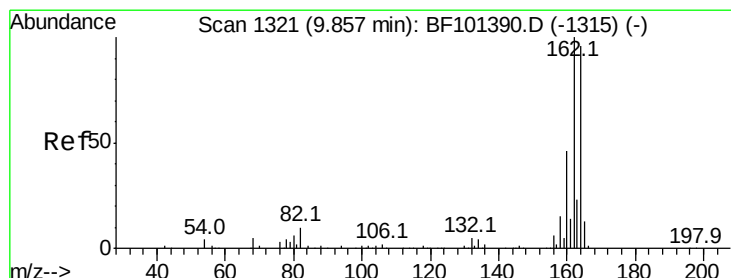
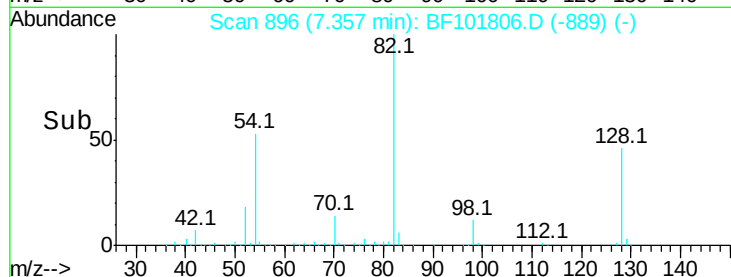
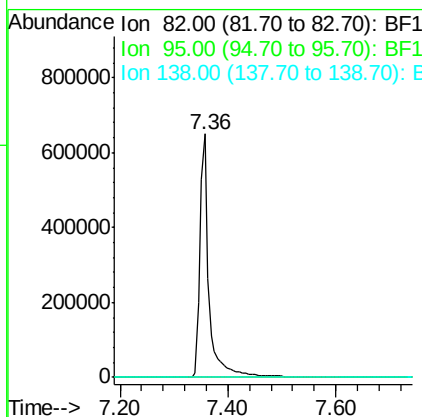
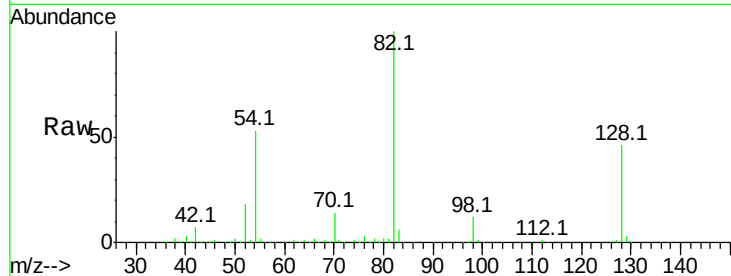
ClientSampleId :

S1-10-15

Tot Ion:	82	Resp:	756549
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

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#38

Acenaphthene-d10

Concen: 20.000 ng

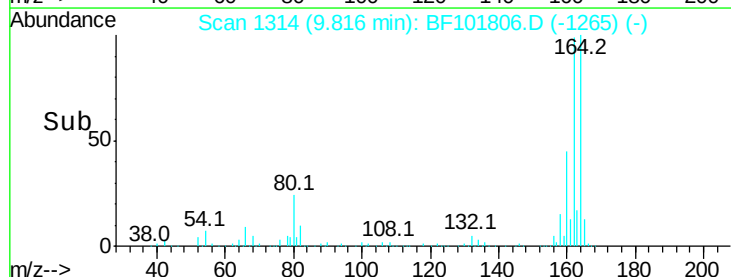
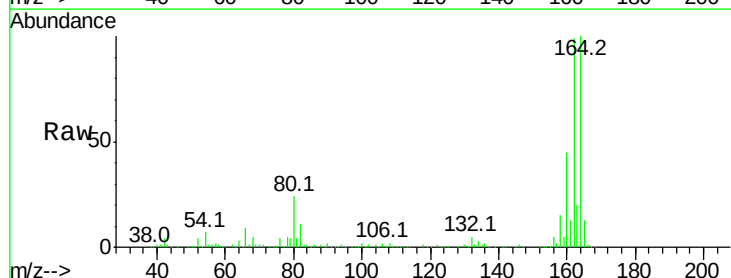
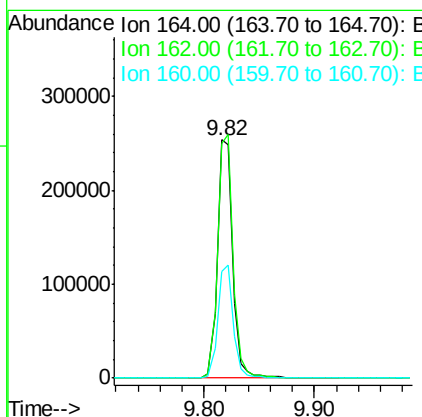
RT: 9.82 min Scan# 1314

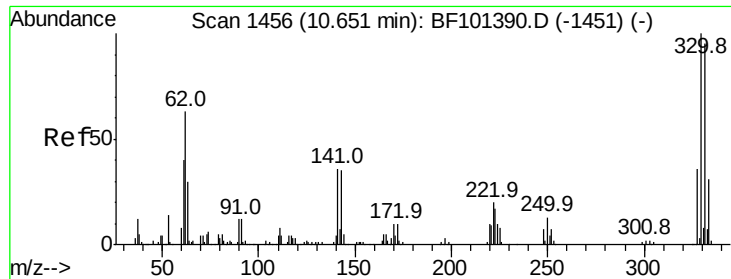
Delta R.T. -0.01 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Tgt Ion:	164	Resp:	244762
Ion Ratio	Lower	Upper	
164	100		
162	98.8	86.1	129.1
160	45.1	38.3	57.5





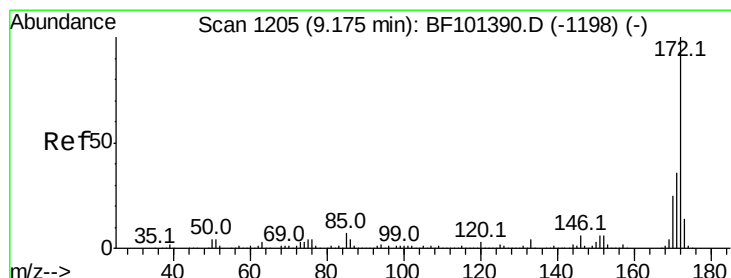
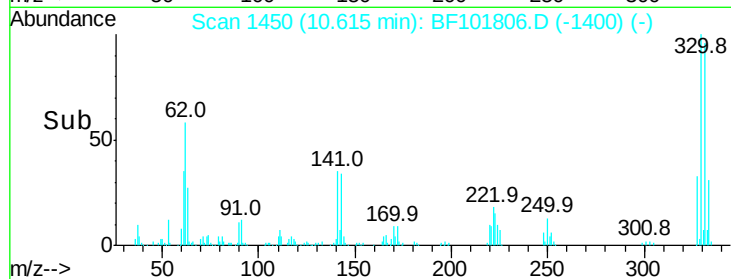
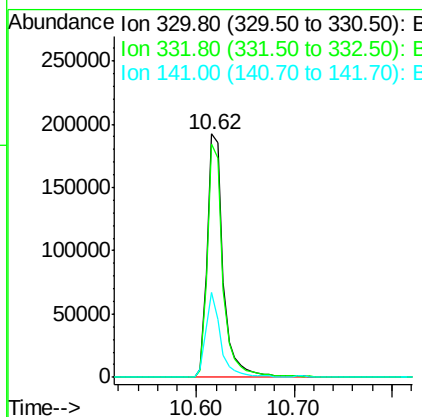
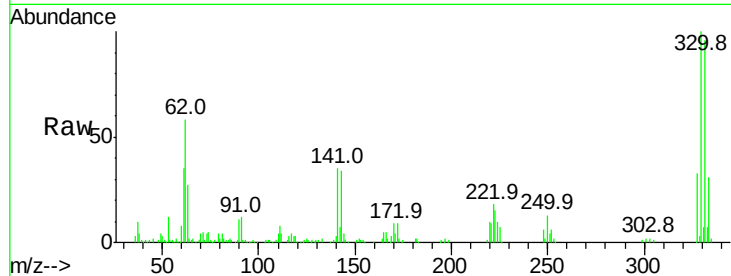
#41
 2,4,6-Tribromophenol
 Concen: 92.958 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF101806.D
 Acq: 28 Dec 2017 16:58

Instrument :
 BNA_F
 ClientSampled :
 S1-10-15

Tot Ion	Ratio	Resp	Lower	Upper
330	100	219240		
332	94.7	77.0	115.6	
141	32.9	29.9	44.9	

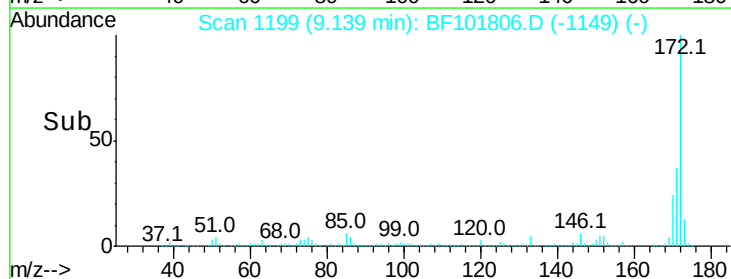
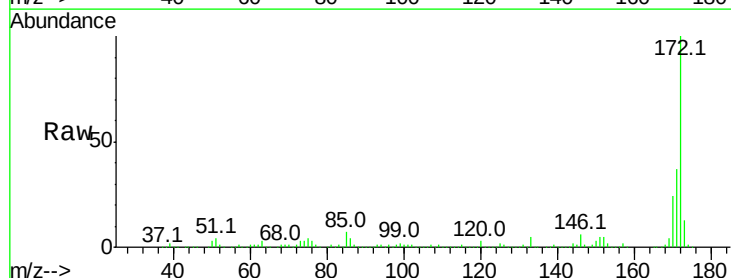
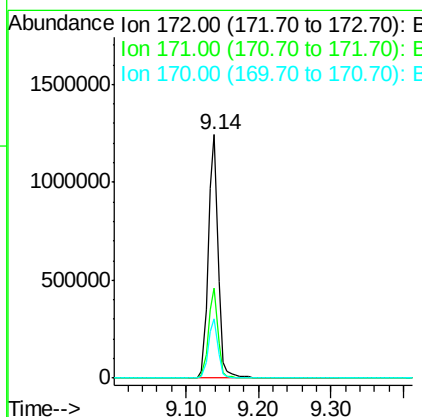
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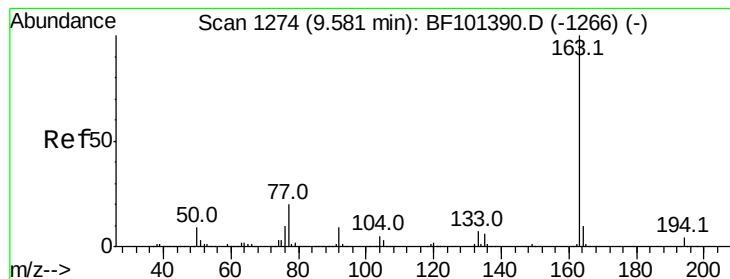
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#44
 2-Fluorobiphenyl
 Concen: 73.670 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101806.D
 Acq: 28 Dec 2017 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1162396		
171	36.9	29.7	44.5	
170	24.3	19.6	29.4	





#49

Dimethylphthalate

Concen: 3.003 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

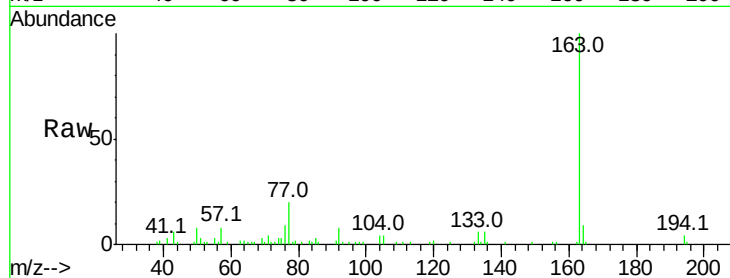
ClientSampleId :

S1-10-15

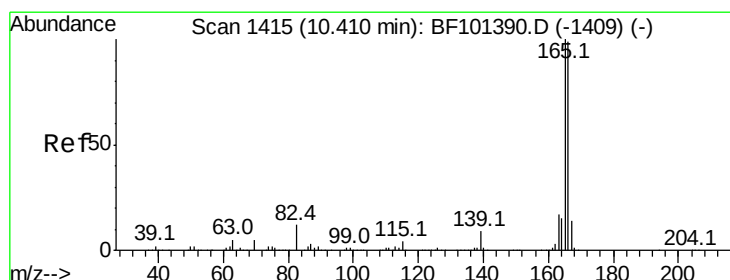
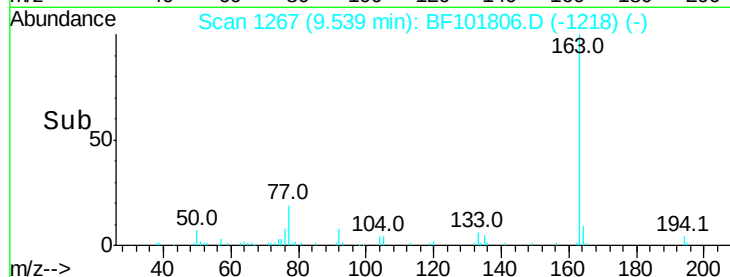
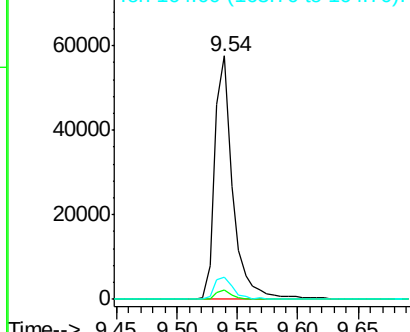
Tot Ion	Ratio	Resp	Lower	Upper
163	100	59129		
194	3.8		2.7	4.1
164	9.2		8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57

Fluorene

Concen: 2.565 ng

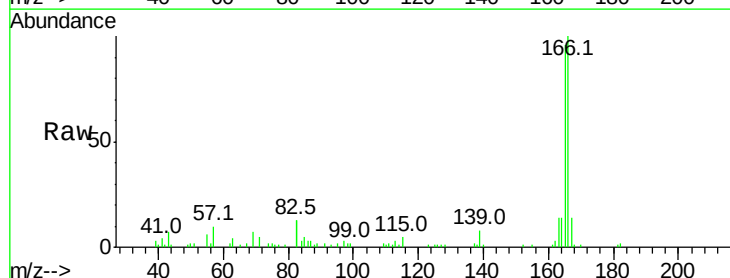
RT: 10.37 min Scan# 1409

Delta R.T. -0.00 min

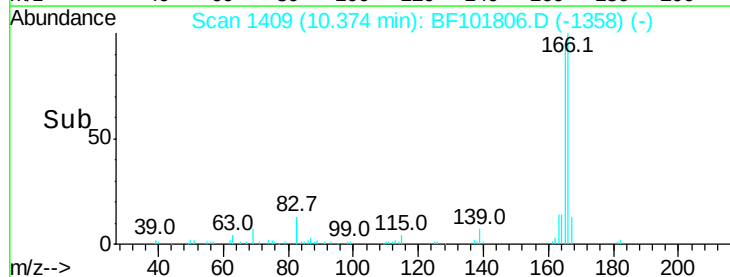
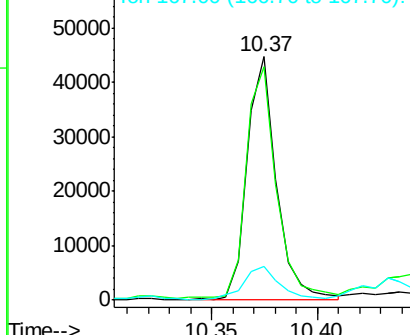
Lab File: BF101806.D

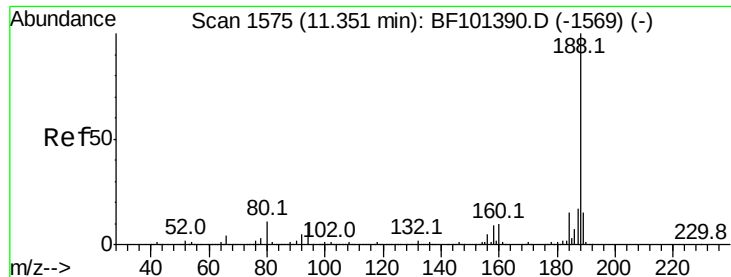
Acq: 28 Dec 2017 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	43465		
165	96.0		79.8	119.8
167	13.9		10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





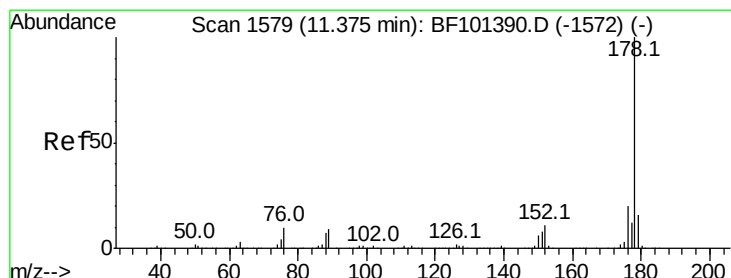
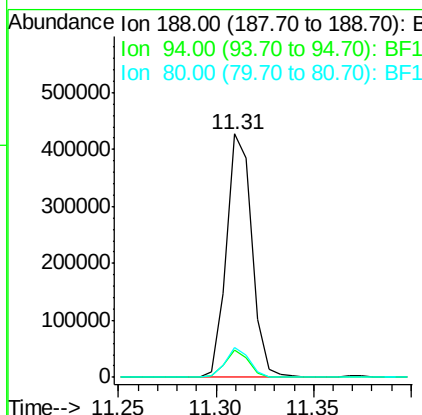
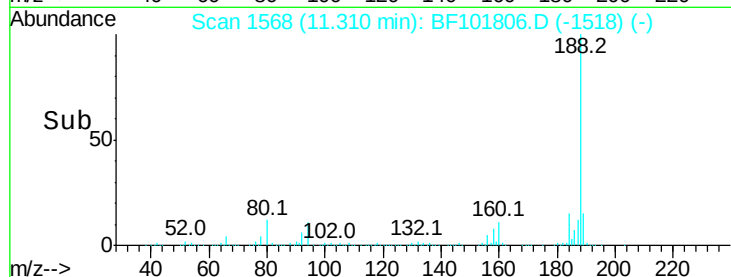
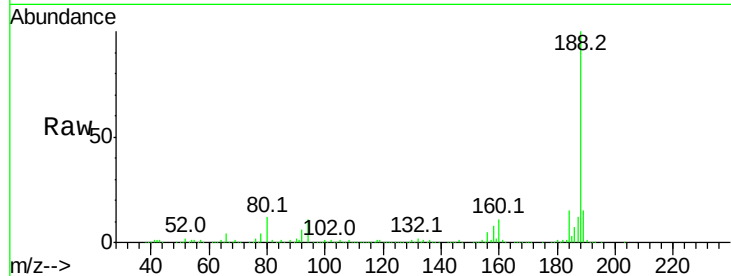
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Instrument :
BNA_F
ClientSampleId :
S1-10-15

Tot Ion	Ratio	Resp	Lower	Upper
188	100	387600		
94	11.1		8.5	12.7
80	12.1		9.2	13.8

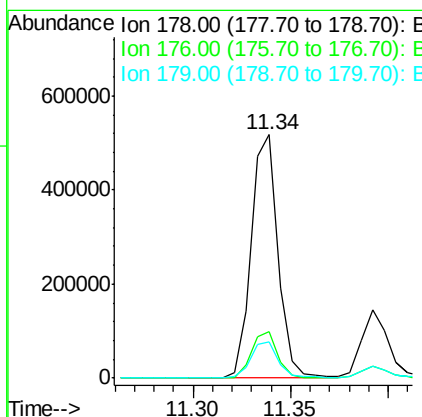
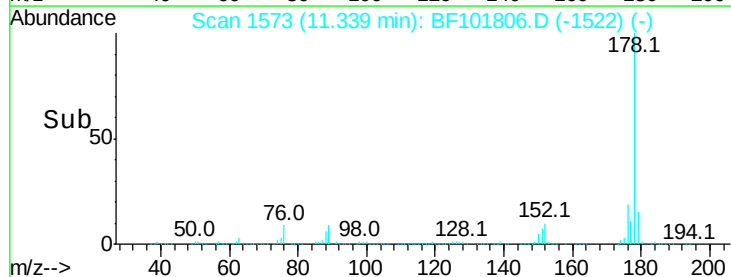
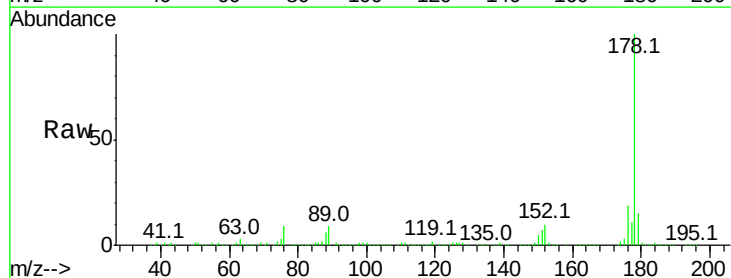
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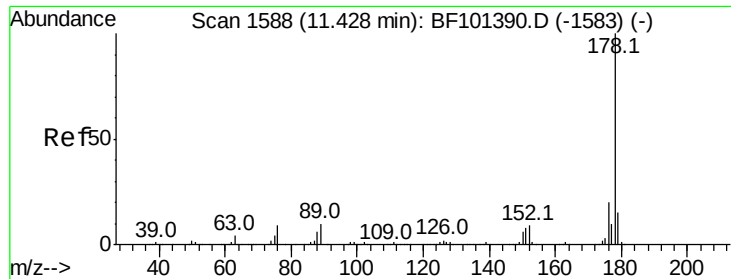
Sohil
12/29/2017 11:55:16 AM



#70
Phenanthrene
Concen: 22.854 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	492620		
176	19.3		15.8	23.8
179	15.0		13.0	19.6





#71

Anthracene

Concen: 6.222 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

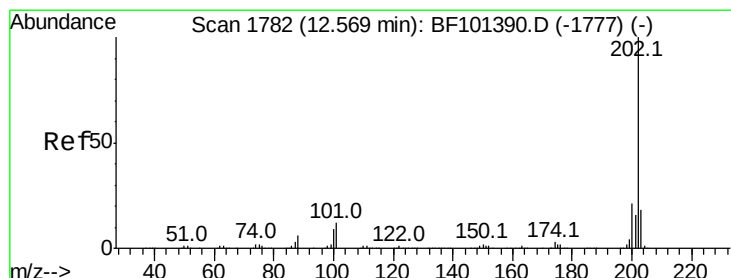
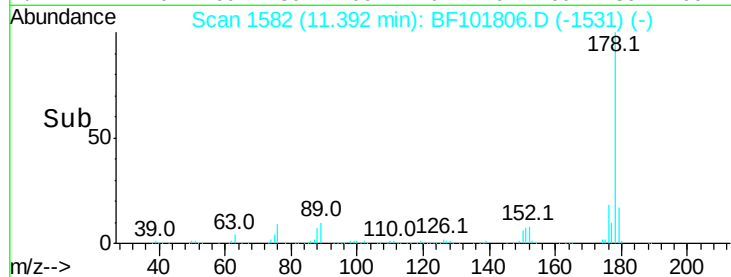
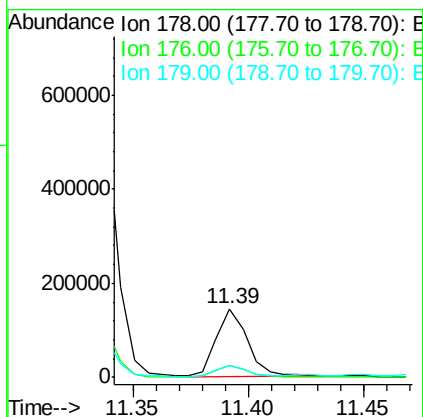
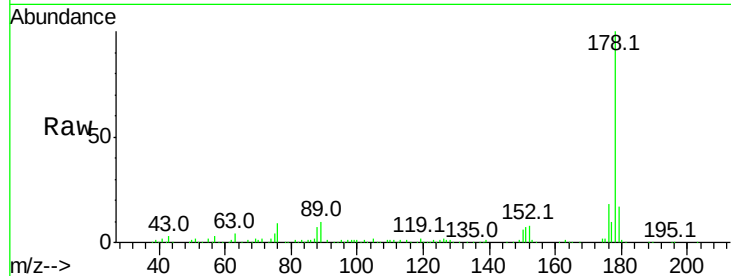
ClientSampleId :

S1-10-15

Tot Ion:	178	Resp:	136996
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.4	23.2
179	17.1	12.6	19.0

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#74

Fluoranthene

Concen: 17.371 ng

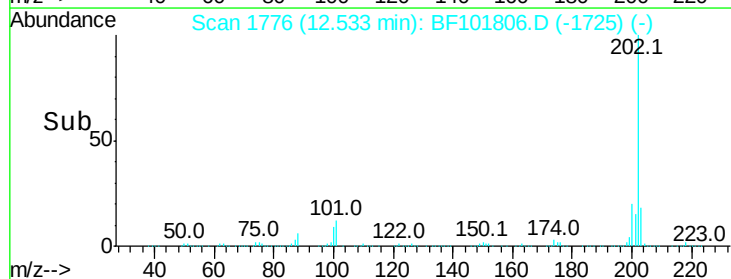
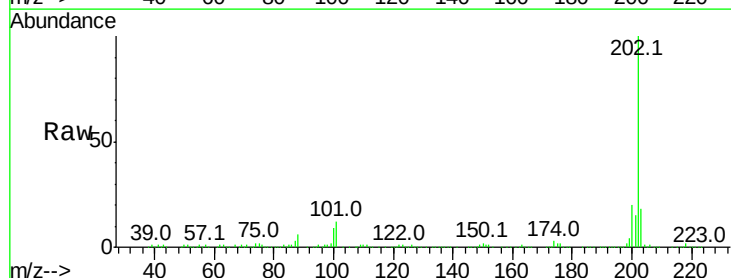
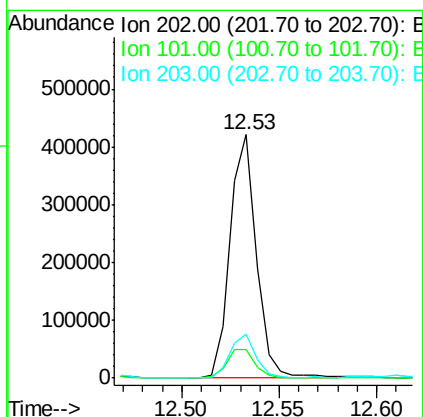
RT: 12.53 min Scan# 1776

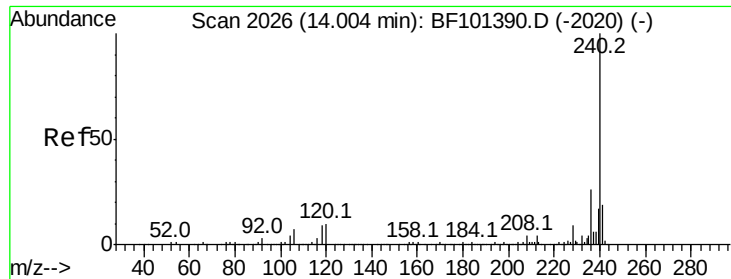
Delta R.T. -0.00 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Tgt Ion:	202	Resp:	393017
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

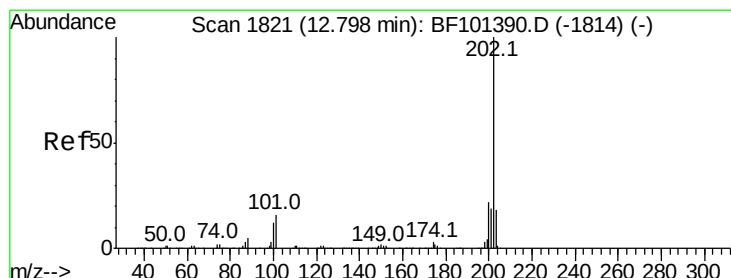
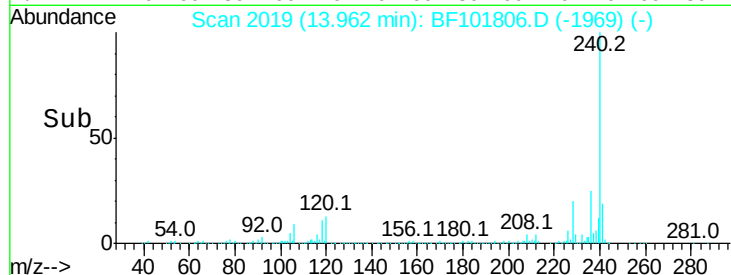
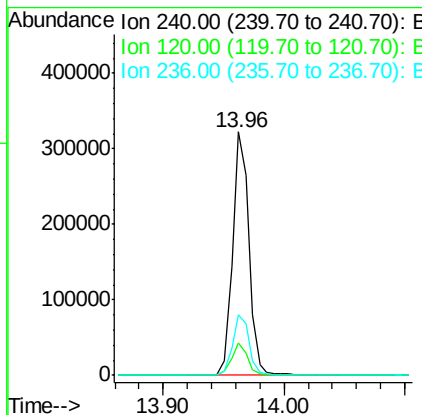
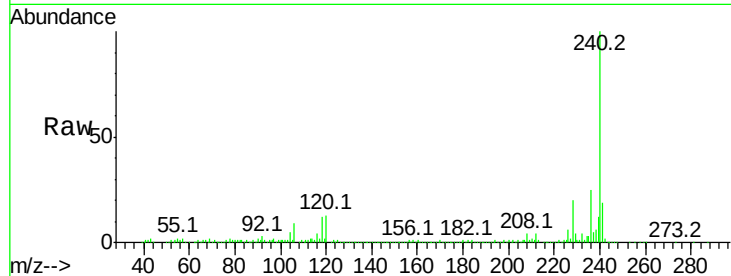
ClientSampleId :

S1-10-15

Tot Ion:	240	Resp:	304060
Ion Ratio	Lower	Upper	
240	100		
120	13.2	9.5	14.3
236	24.9	20.7	31.1

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#77

Pyrene

Concen: 19.436 ng

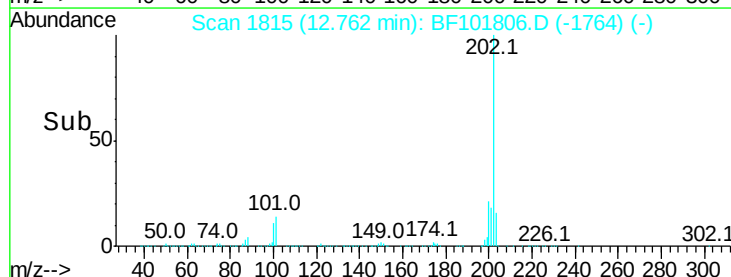
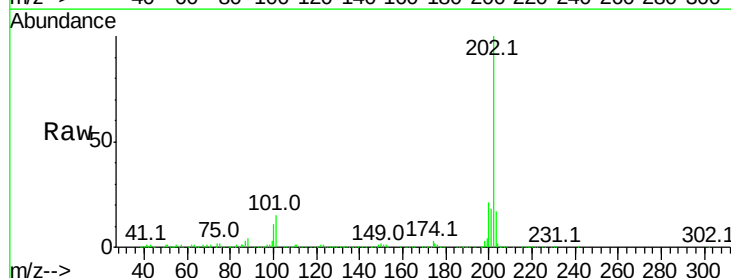
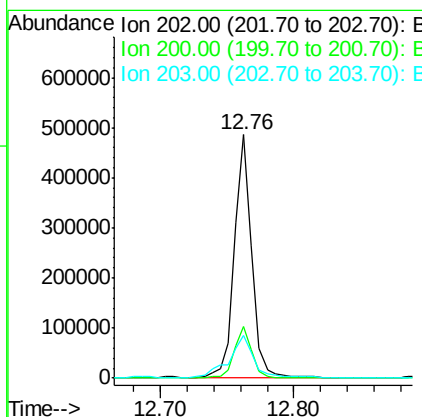
RT: 12.76 min Scan# 1815

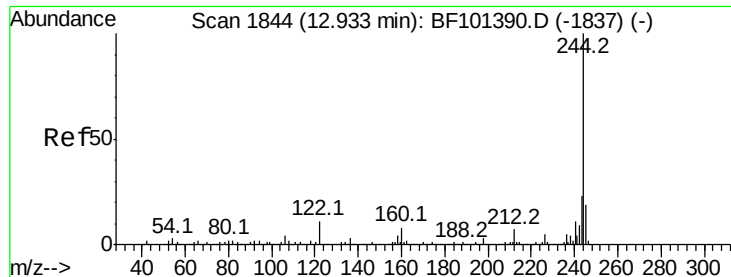
Delta R.T. -0.00 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Tgt Ion:	202	Resp:	443512
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.3	14.3	21.5





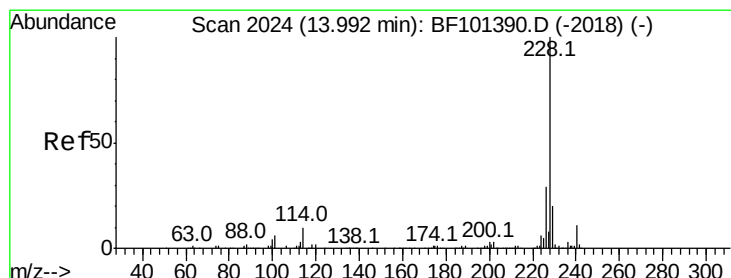
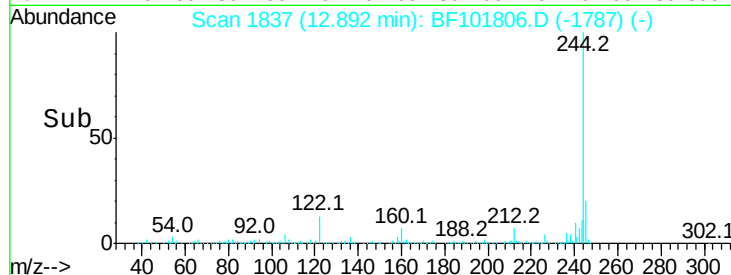
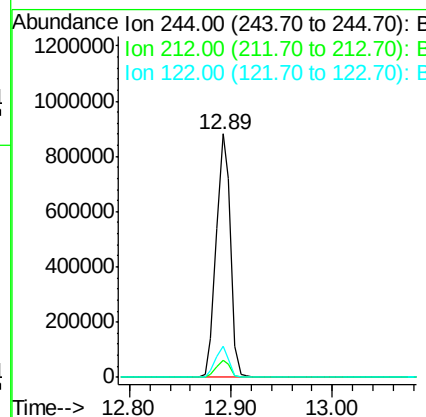
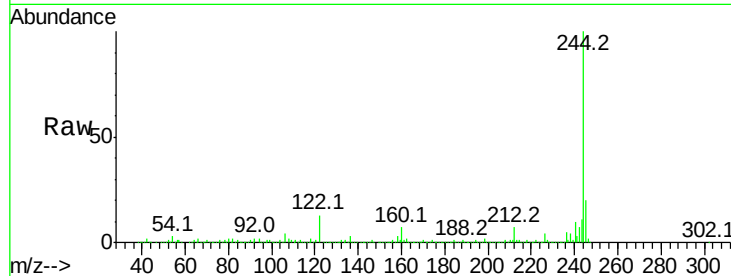
#78
 Terphenyl-d14
 Concen: 68.308 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101806.D
 Acq: 28 Dec 2017 16:58

Instrument :
 BNA_F
 ClientSampled :
 S1-10-15

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.6	11.0	16.4

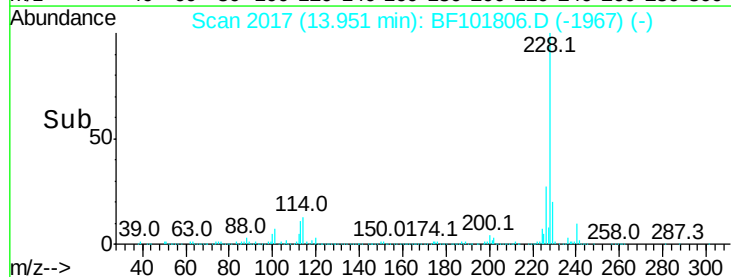
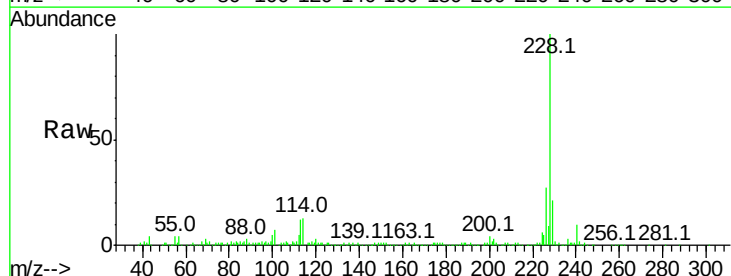
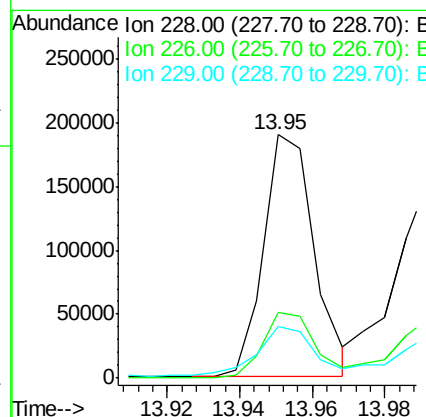
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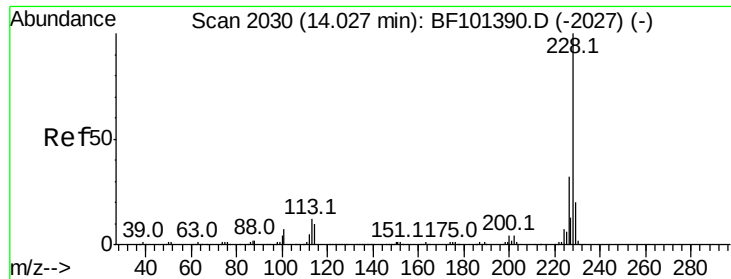
Sohil
 12/29/2017 11:55:16 AM



#80
 Benzo(a)anthracene
 Concen: 9.161 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF101806.D
 Acq: 28 Dec 2017 16:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	21.2	15.8	23.6





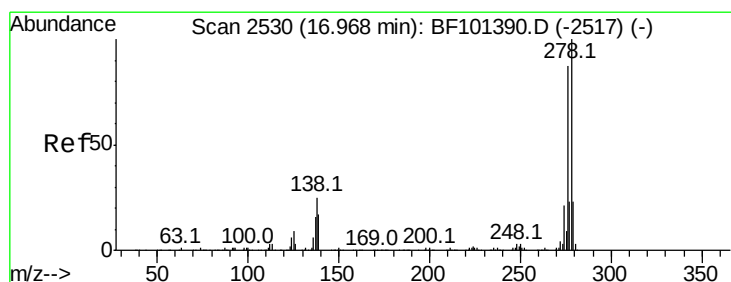
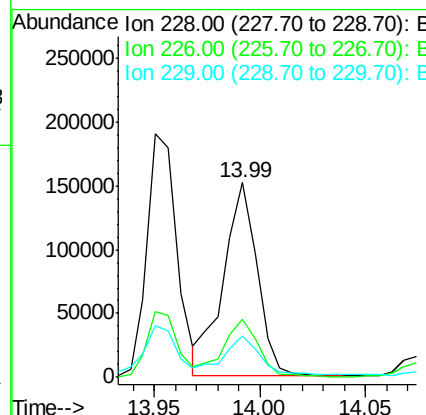
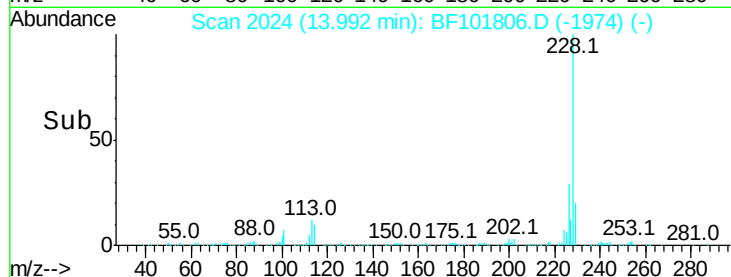
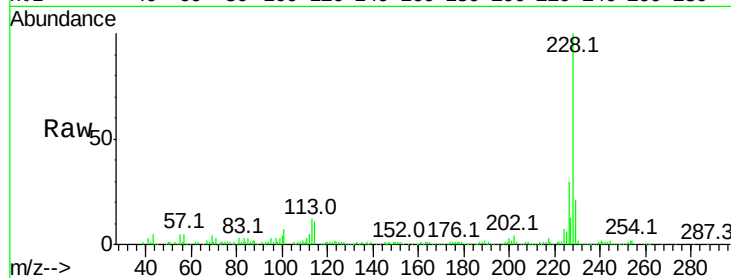
#82
Chrysene
Concen: 8.861 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Instrument :
BNA_F
ClientSampled :
S1-10-15

Tot Ion:	228	Resp:	167981
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	21.0	16.2	24.4

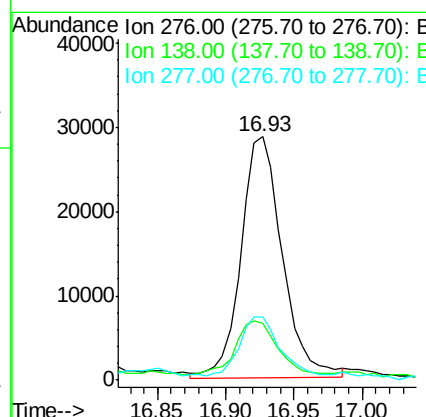
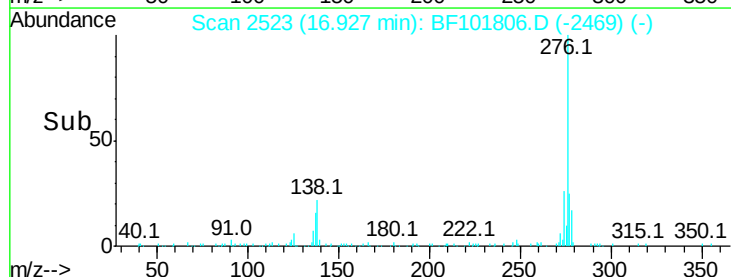
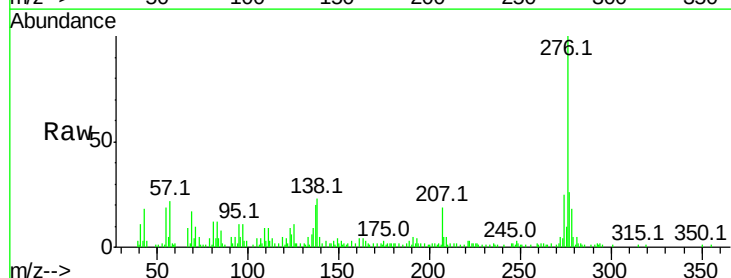
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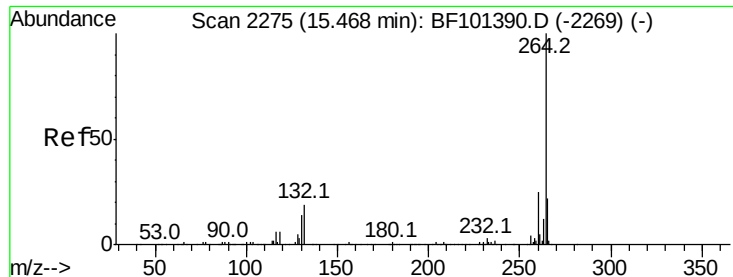
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.571 ng m
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Tgt Ion:	276	Resp:	60278
Ion Ratio	Lower	Upper	
276	100		
138	3.4	25.0	37.6#
277	3.0	20.1	30.1#





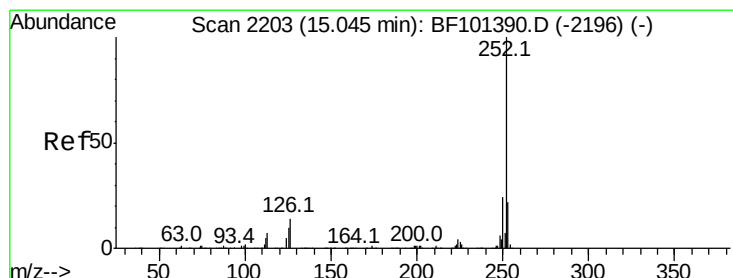
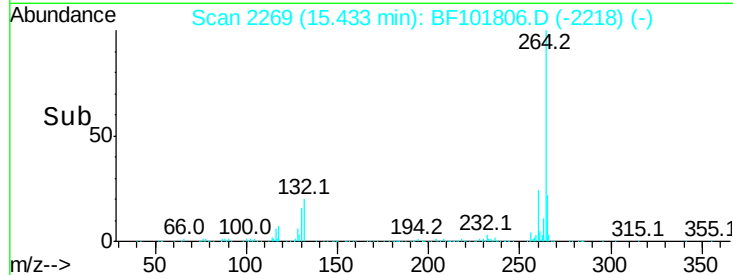
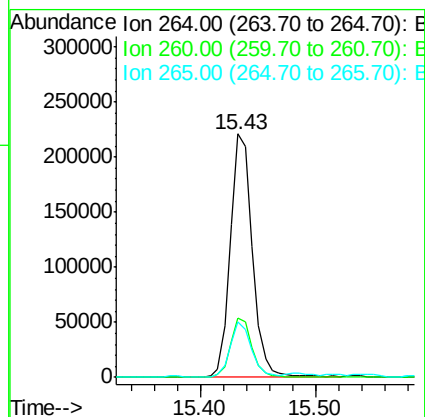
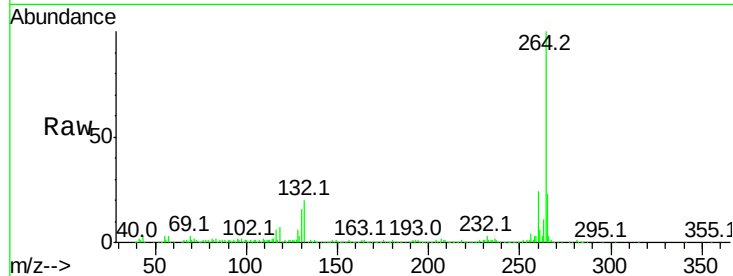
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Instrument :
BNA_F
ClientSampled :
S1-10-15

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.7	17.5	26.3

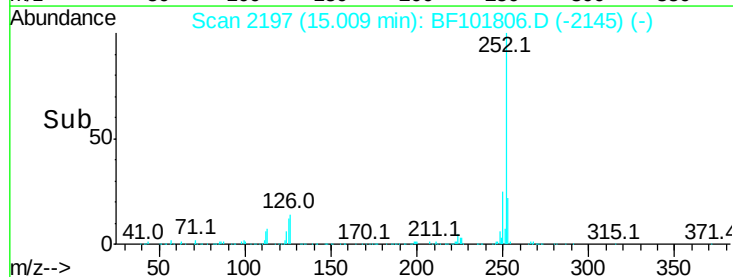
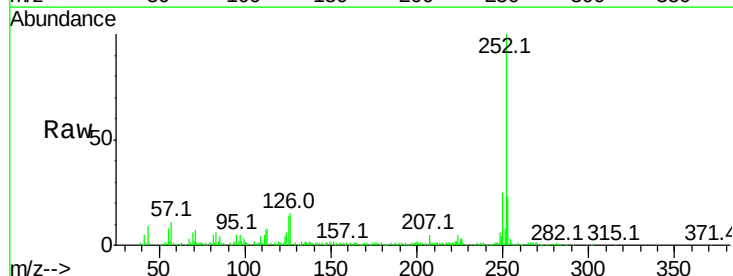
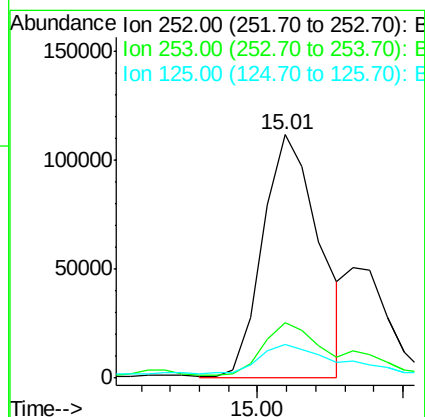
Manual Integrations
APPROVED

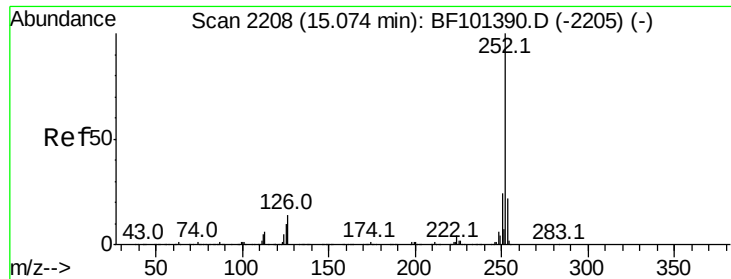
Sohil
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#87
Benzo(b)fluoranthene
Concen: 8.515 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	13.7	9.0	13.6#





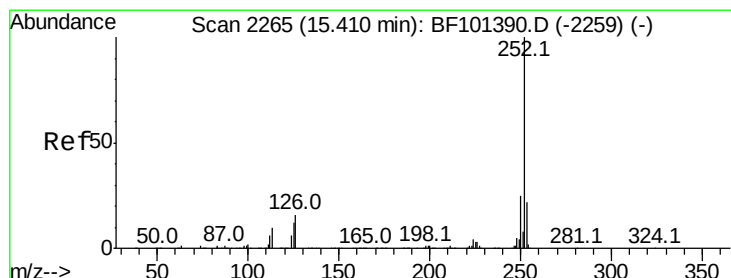
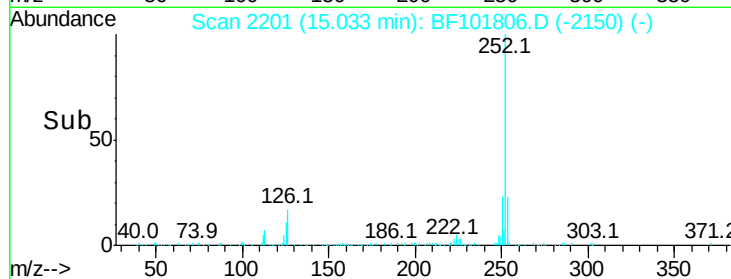
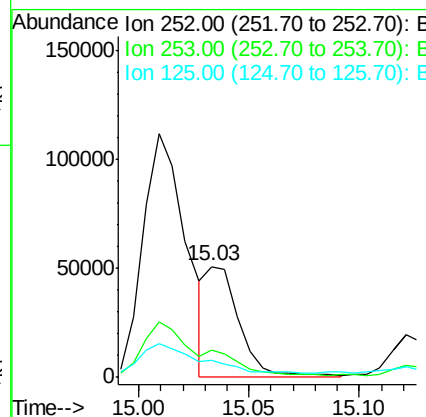
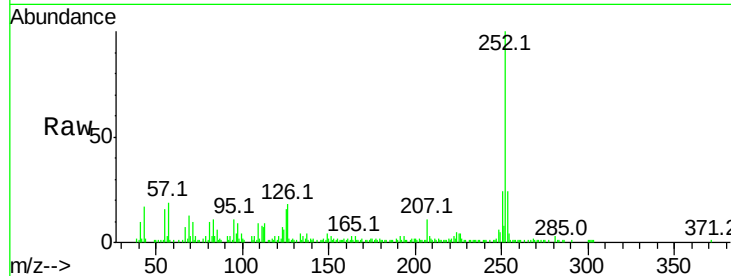
#88
Benzo(k)fluoranthene
Concen: 3.132 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Instrument :
BNA_F
ClientSampled :
S1-10-15

Tot Ion	Ratio	Resp	Lower	Upper
252	100	53913		
253	24.4		17.9	26.9
125	15.8		10.2	15.2

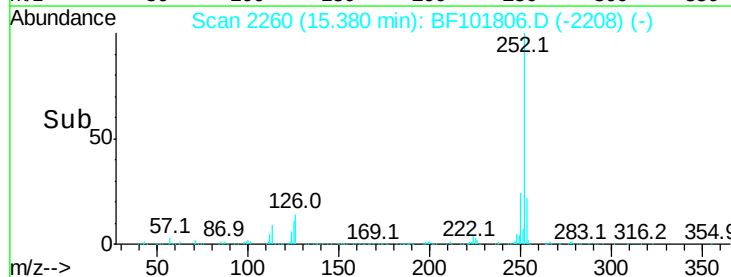
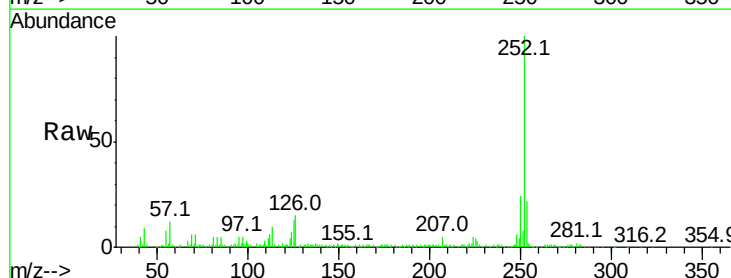
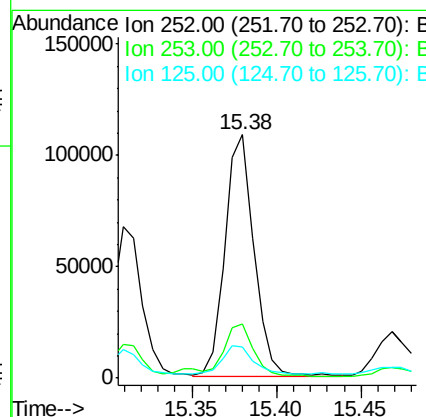
Manual Integrations
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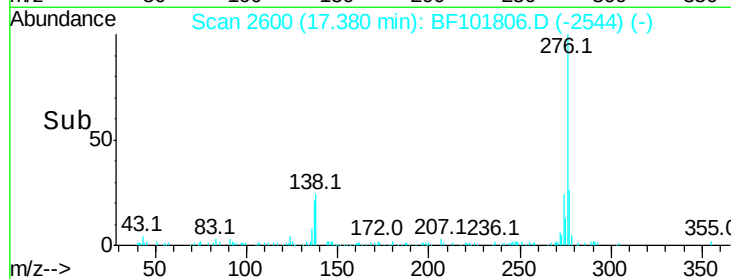
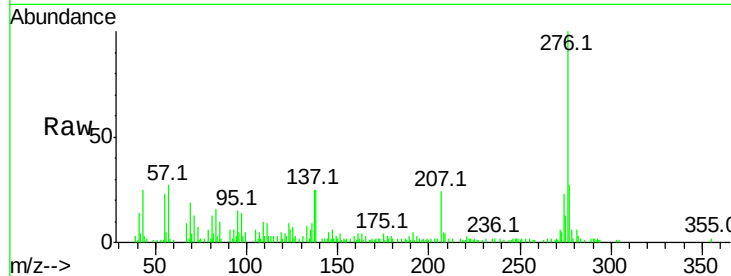
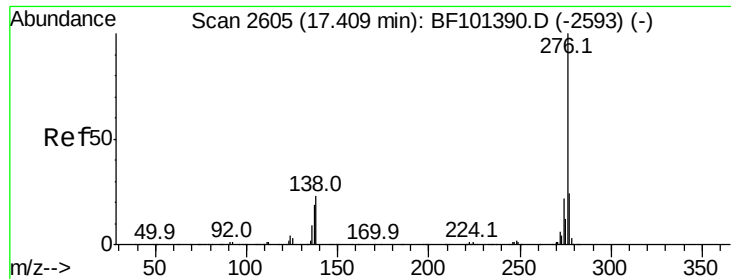
Sohil
12/29/2017 11:55:16 AM



#89
Benzo(a)pyrene
Concen: 8.043 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101806.D
Acq: 28 Dec 2017 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	131278		
253	22.4		17.1	25.7
125	12.8		9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.344 ng

RT: 17.38 min Scan# 2600

Delta R.T. 0.03 min

Lab File: BF101806.D

Acq: 28 Dec 2017 16:58

Instrument :

BNA_F

ClientSampleId :

S1-10-15

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	17.9	26.9#
138	24.7	21.8	32.8

Manual Integrations
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