

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101808.D
 Acq On : 28 Dec 2017 17:52
 Operator : SJ/JU
 Sample : I6970-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S3-5-10

Manual Integrations
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Sohil
 12/29/2017 11:55:20 AM

Quant Time: Dec 29 04:46:20 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	149857	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	576685	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	231807	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	365020	20.00	ng	0.00
75) Chrysene-d12	13.96	240	290113	20.00	ng	0.00
86) Perylene-d12	15.43	264	280961	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	617805	61.41	ng	0.00
7) Phenol-d6	6.43	99	1073871	85.77	ng	0.00
23) Nitrobenzene-d5	7.35	82	674628	65.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	6998	3.13	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	1077572	72.11	ng	0.00
78) Terphenyl-d14	12.89	244	764353	63.52	ng	0.00
Target Compounds						
10) Phenol	6.45	94	45977	3.222	ng	Qvalue # 72
49) Dimethylphthalate	9.54	163	63955	3.430	ng	98
51) Acenaphthene	9.85	154	29909	2.004	ng	97
57) Fluorene	10.37	166	36963	2.303	ng	98
70) Phenanthrene	11.33	178	350186	17.251	ng	99
71) Anthracene	11.39	178	99061	4.777	ng	98
74) Fluoranthene	12.53	202	352401	16.539	ng	96
77) Pyrene	12.76	202	379117	17.412	ng	100
80) Benzo(a)anthracene	13.96	228	163814	8.551	ng	97
82) Chrysene	13.99	228	152863	8.451	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	61152	3.797	ng	93
87) Benzo(b)fluoranthene	15.01	252	152196m	8.887	ng	
88) Benzo(k)fluoranthene	15.03	252	50940m	3.059	ng	
89) Benzo(a)pyrene	15.37	252	119198	7.550	ng	# 96
91) Benzo(a,h,i)perylene	17.37	276	58979	4.394	ng	95

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

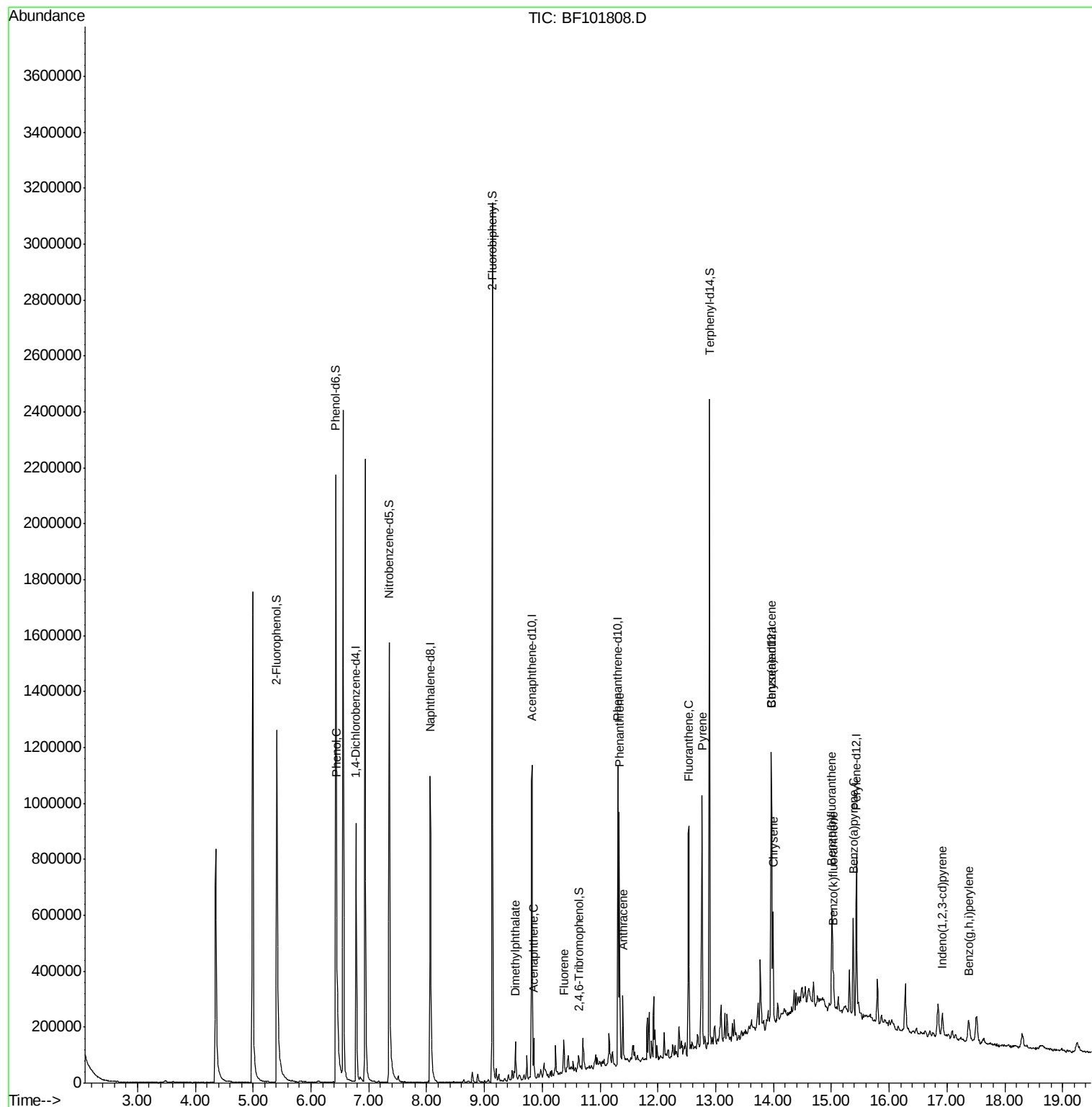
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
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ALS Vial : 15 Sample Multiplier: 1

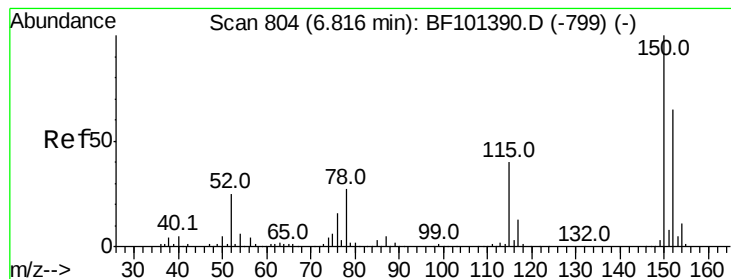
Instrument :
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ClientSampleId :
S3-5-10

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#1

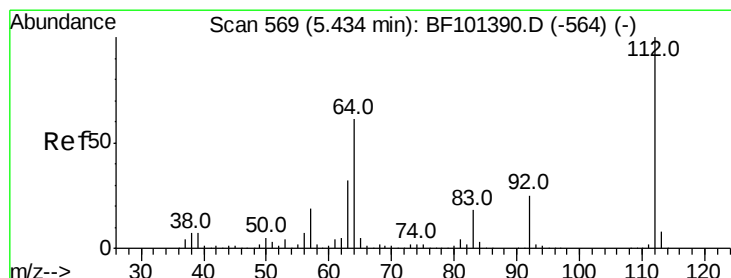
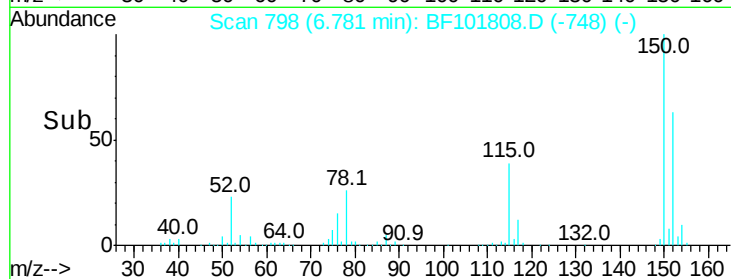
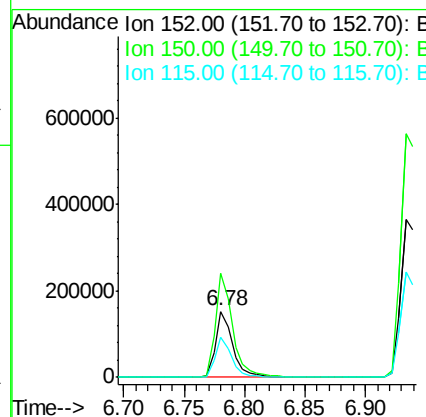
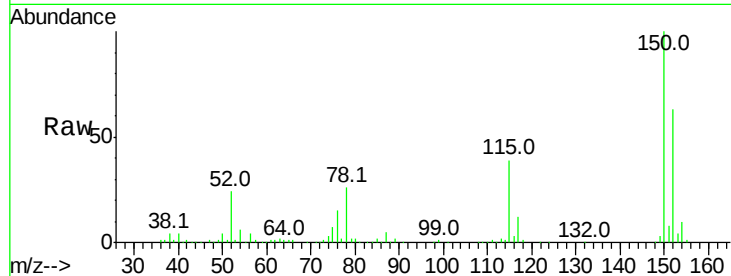
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Instrument :
BNA_F
ClientSampled :
S3-5-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	61.7	50.1	75.1

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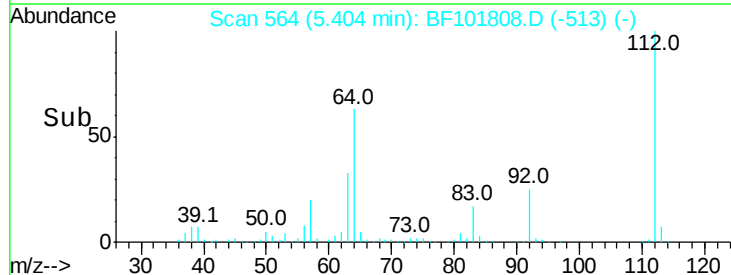
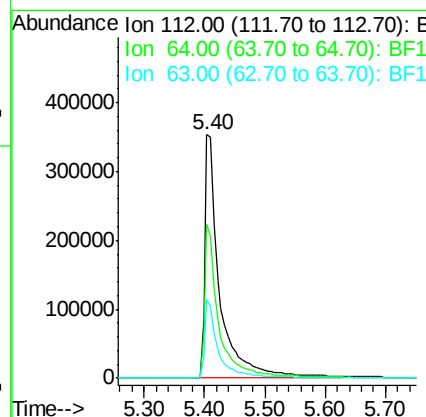
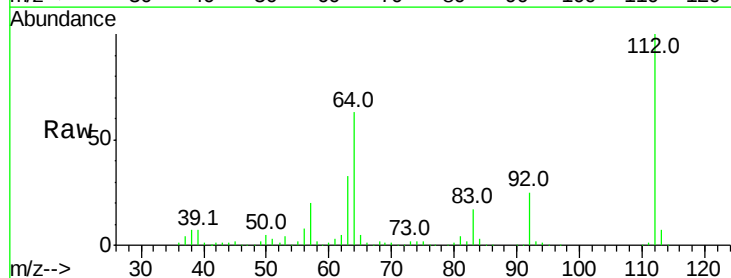
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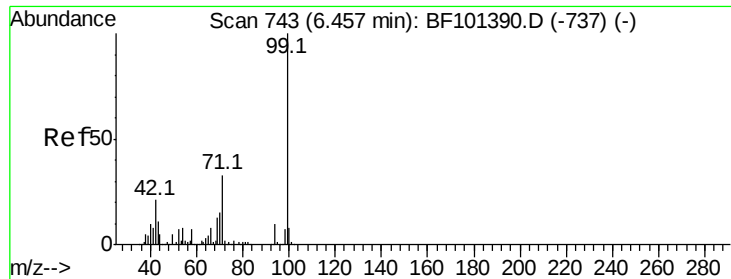


#5

2-Fluorophenol
Concen: 61.410 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	47.9	71.9
63	32.5	23.7	35.5





#7

Phenol-d6

Concen: 85.769 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Instrument :

BNA_F

ClientSampleId :

S3-5-10

Tot Ion: 99 Resp: 1073871

Ion Ratio Lower Upper

99 100

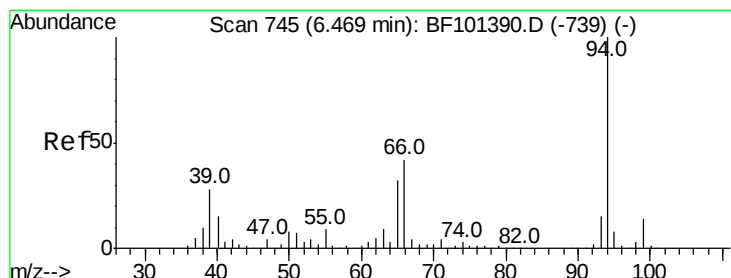
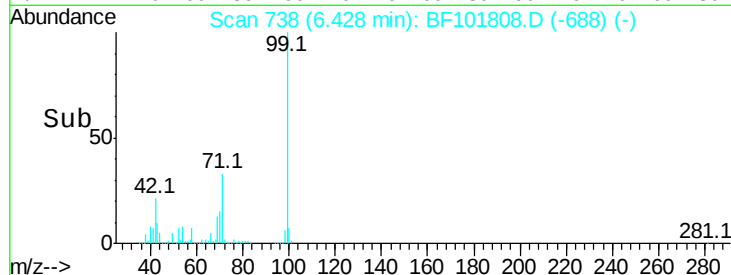
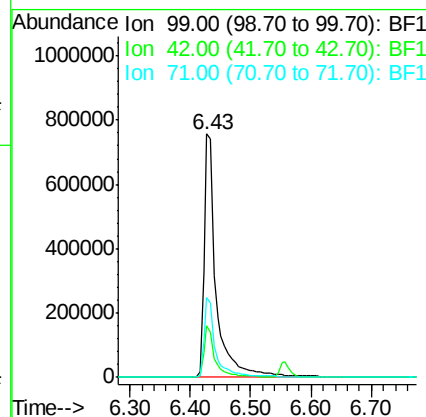
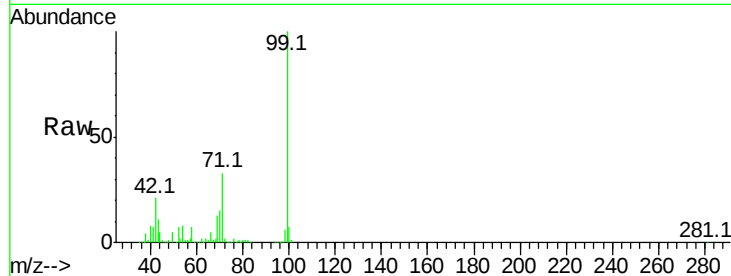
42 21.0 14.5 21.7

71 32.9 25.4 38.0

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#10

Phenol

Concen: 3.222 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

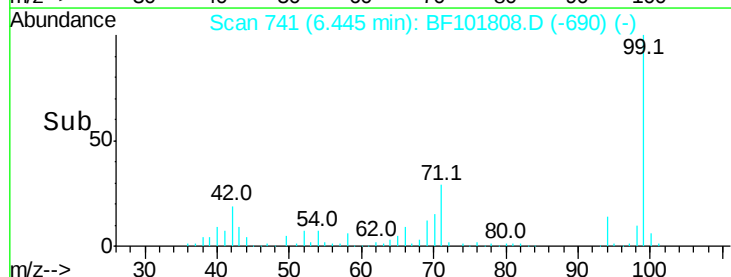
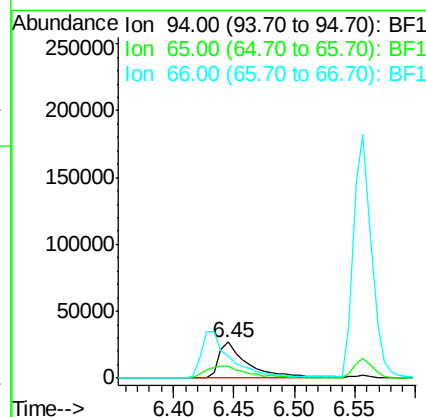
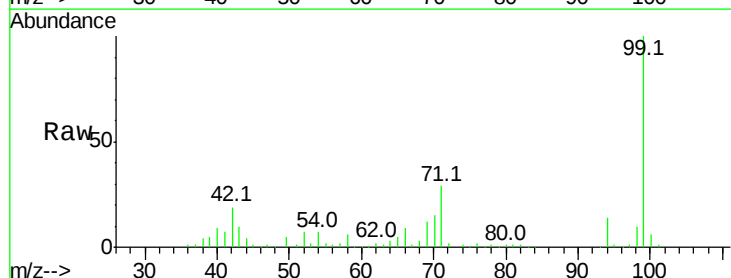
Tgt Ion: 94 Resp: 45977

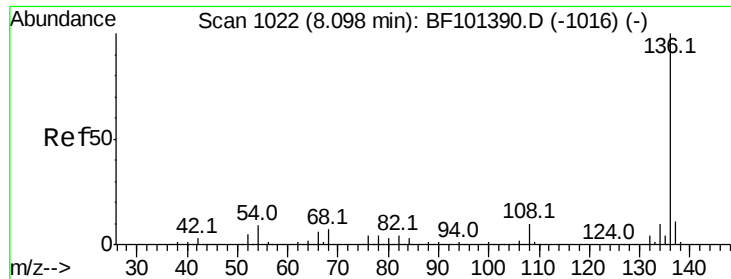
Ion Ratio Lower Upper

94 100

65 32.1 7.9 47.9

66 61.5 16.2 56.2#





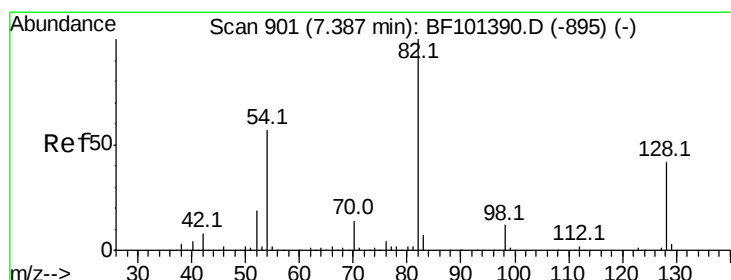
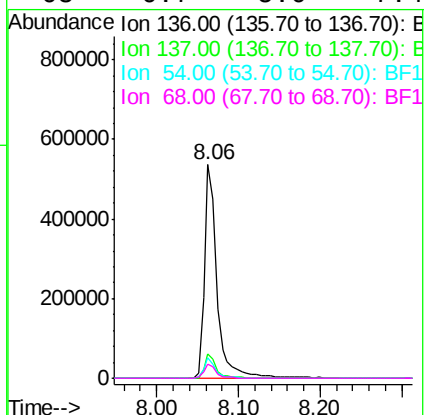
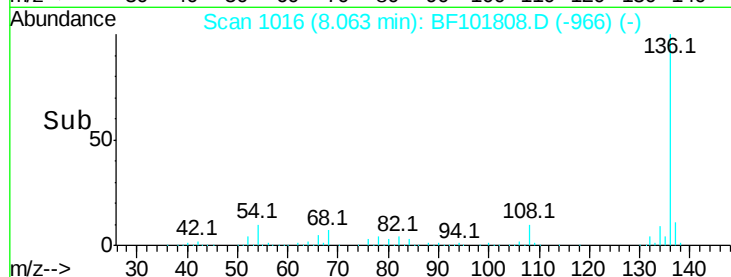
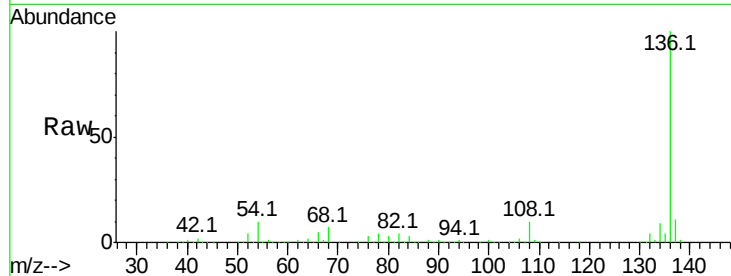
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Instrument :
BNA_F
ClientSampleId :
S3-5-10

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	9.6	6.6	9.8	
68	6.7	5.0	7.4	

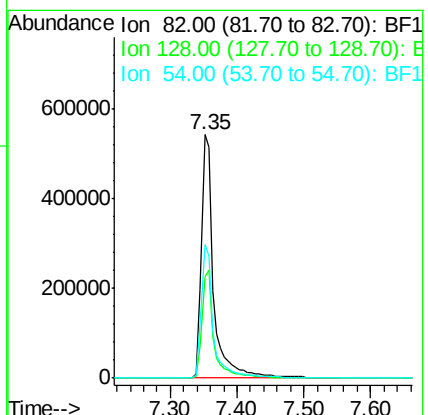
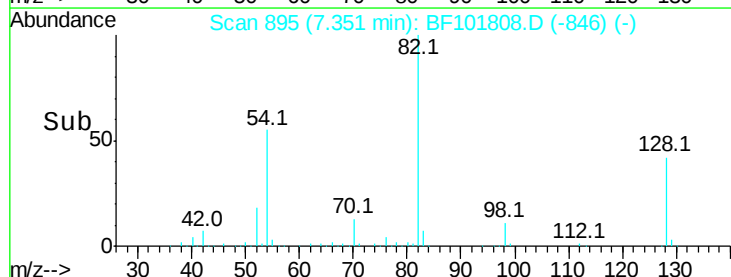
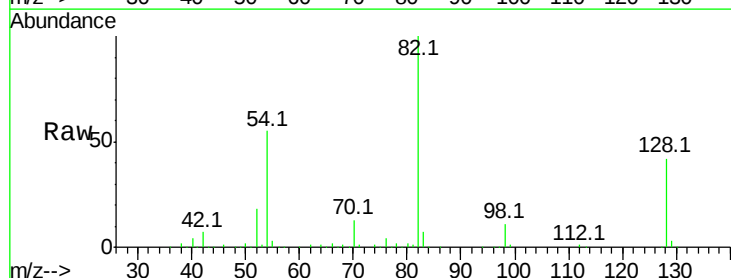
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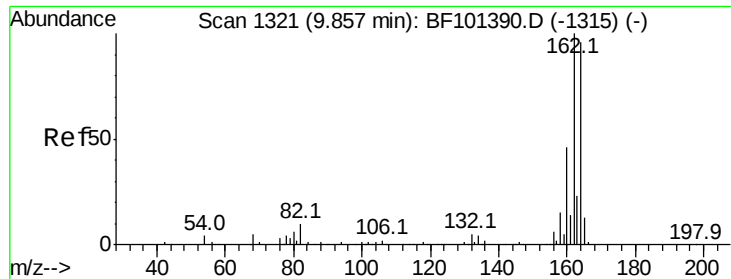
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#23
Nitrobenzene-d5
Concen: 65.120 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.8	36.1	54.1	
54	54.7	41.4	62.2	





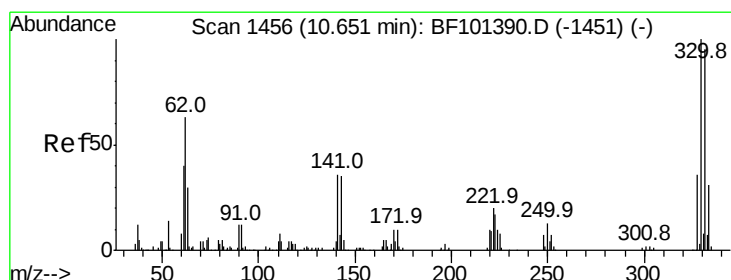
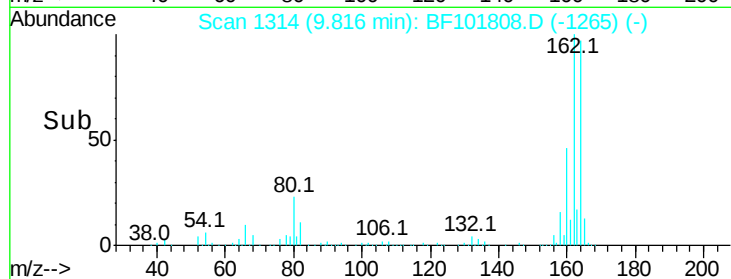
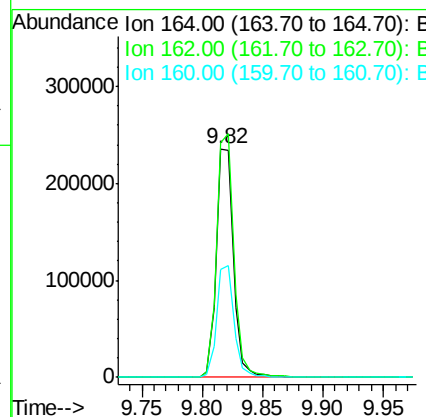
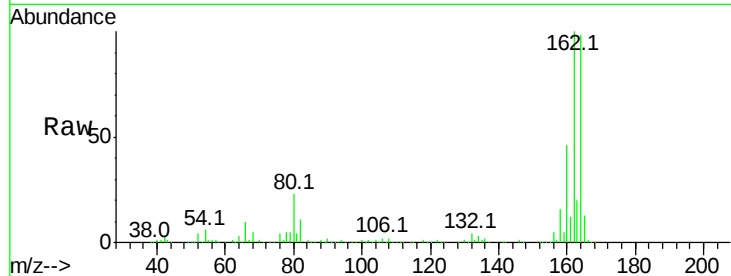
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF101808.D
 Acq: 28 Dec 2017 17:52

Instrument :
 BNA_F
 ClientSampleId :
 S3-5-10

Tot Ion	Ratio	Resp	Lower	Upper
164	100	231807		
162	102.3		86.1	129.1
160	47.0		38.3	57.5

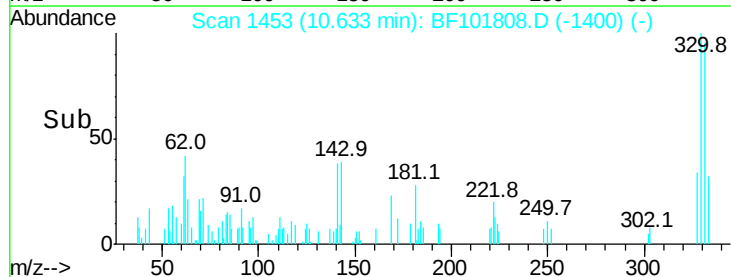
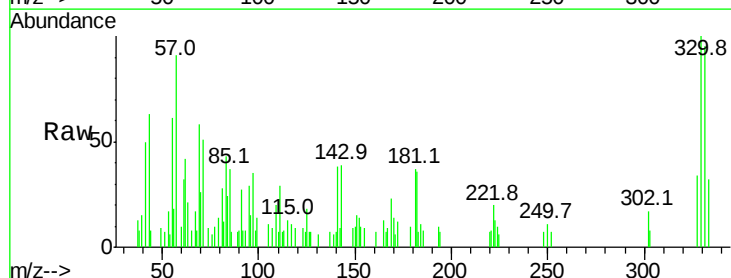
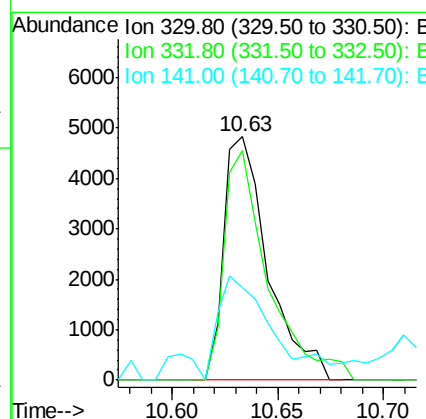
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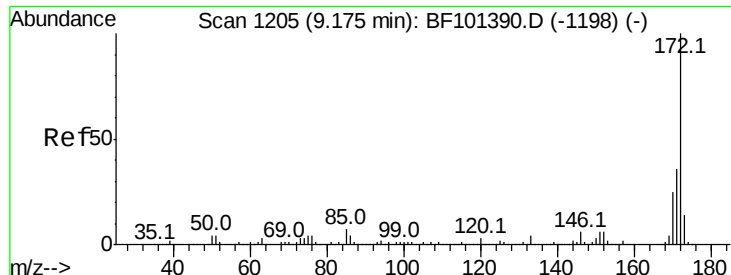
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#41
 2,4,6-Tribromophenol
 Concen: 3.133 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: BF101808.D
 Acq: 28 Dec 2017 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	6998		
332	94.1		77.0	115.6
141	54.6		29.9	44.9#





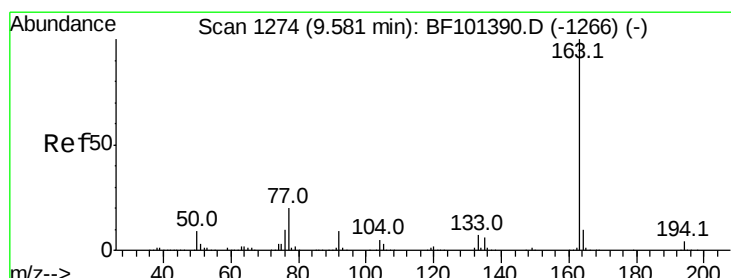
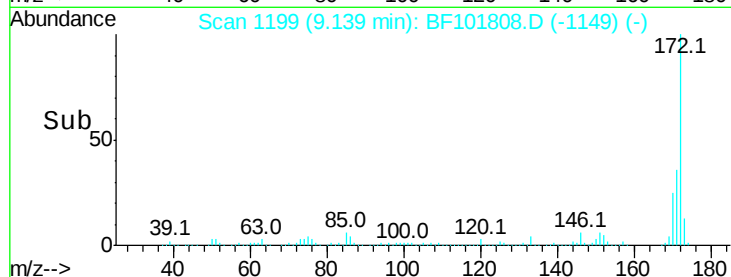
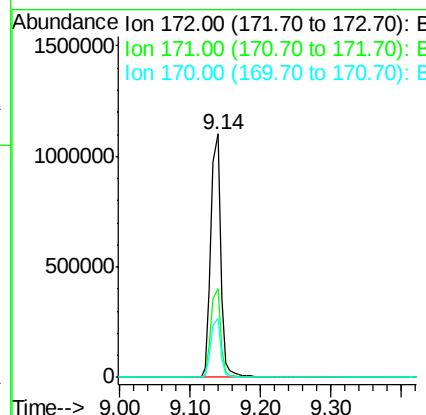
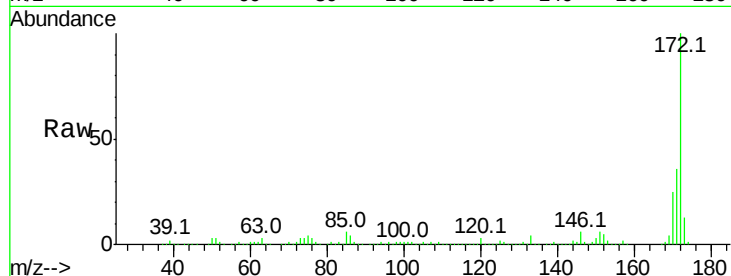
#44
2-Fluorobiphenyl
Concen: 72.111 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Instrument :
BNA_F
ClientSampled :
S3-5-10

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.6	19.6	29.4

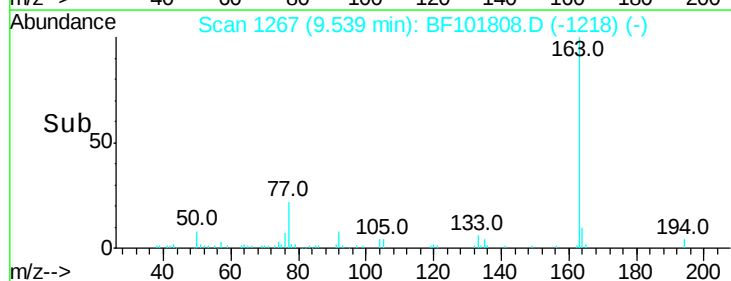
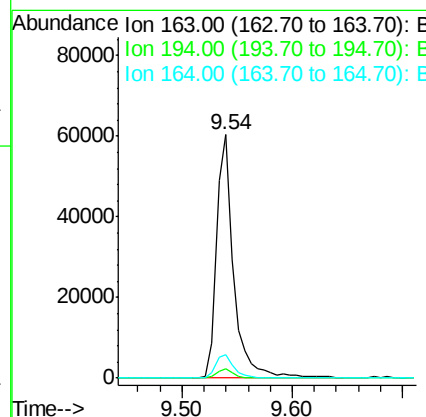
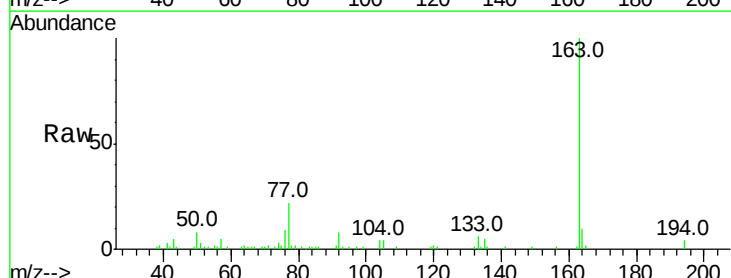
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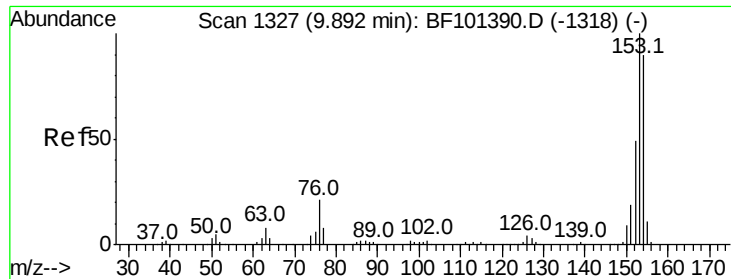
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#49
Dimethylphthalate
Concen: 3.430 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	9.6	8.2	12.2





#51

Acenaphthene

Concen: 2.004 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Instrument :

BNA_F

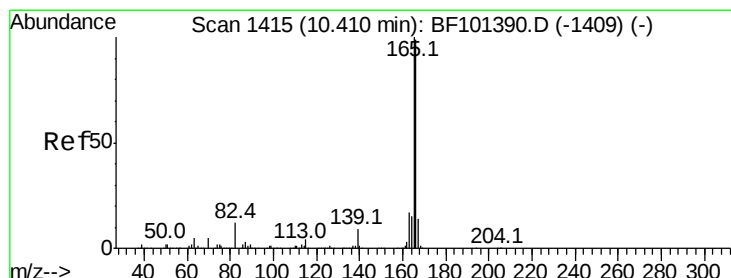
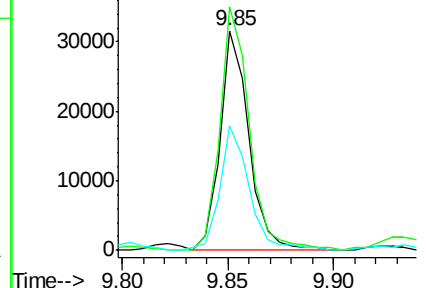
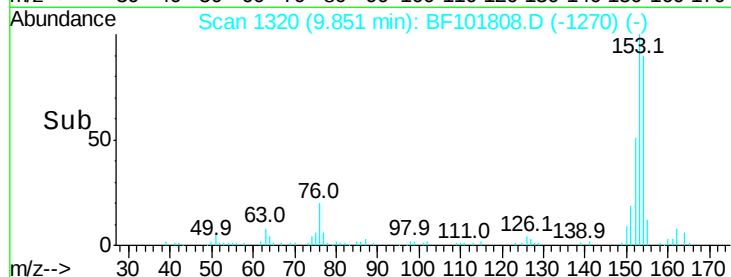
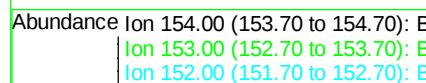
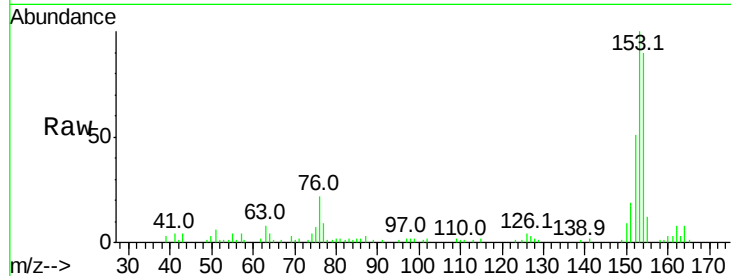
ClientSampled :

S3-5-10

Tot Ion:	154	Resp:	29909
Ion Ratio	Lower	Upper	
154	100		
153	110.8	91.2	136.8
152	56.5	43.8	65.8

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#57

Fluorene

Concen: 2.303 ng

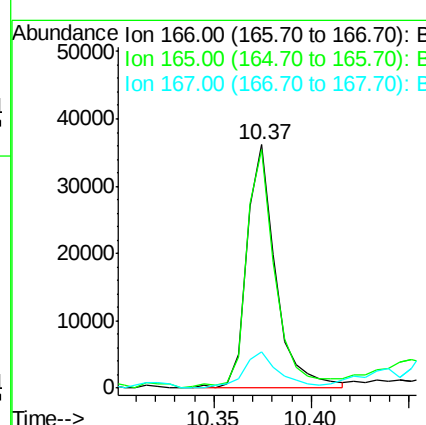
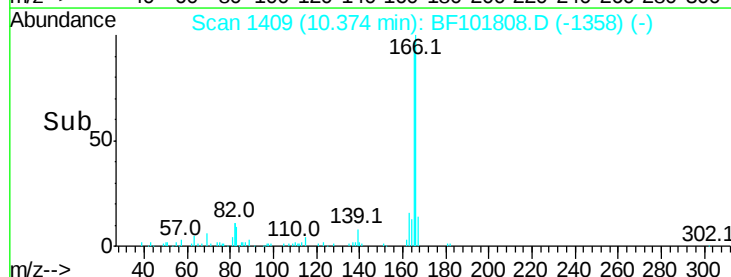
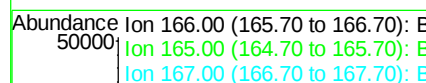
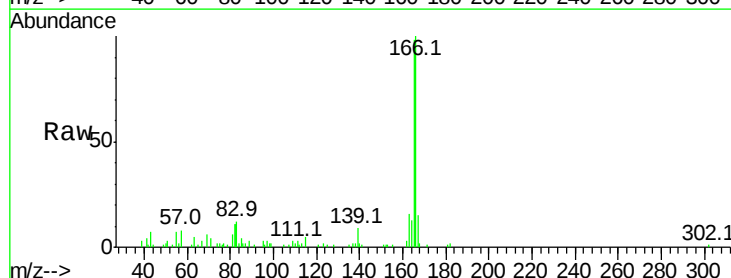
RT: 10.37 min Scan# 1409

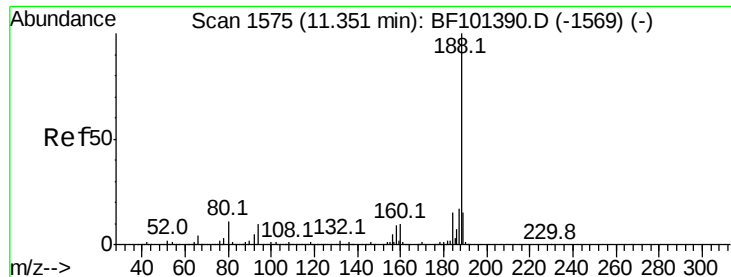
Delta R.T. -0.00 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Tgt Ion:	166	Resp:	36963
Ion Ratio	Lower	Upper	
166	100		
165	97.8	79.8	119.8
167	15.1	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Instrument :

BNA_F

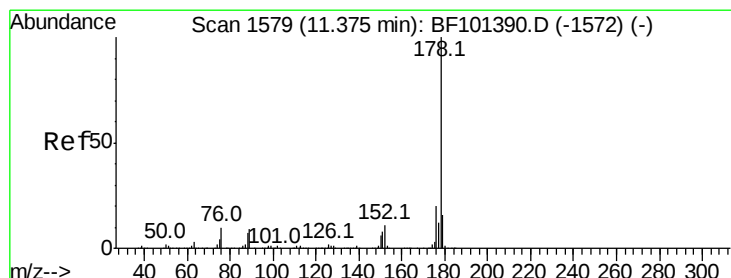
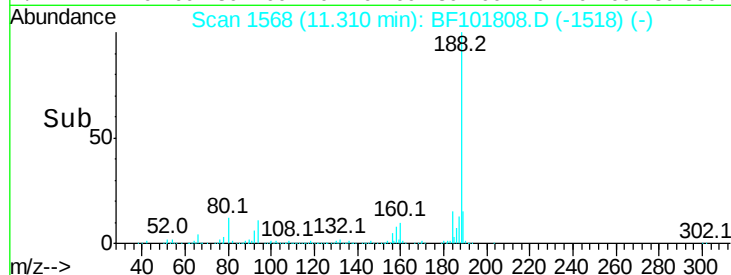
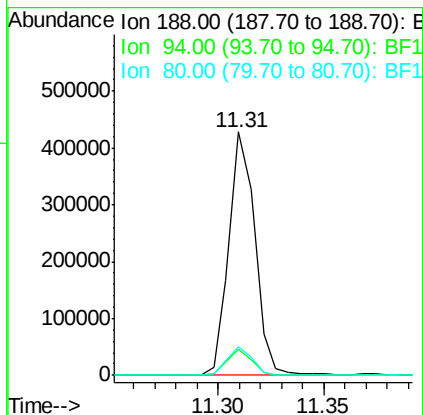
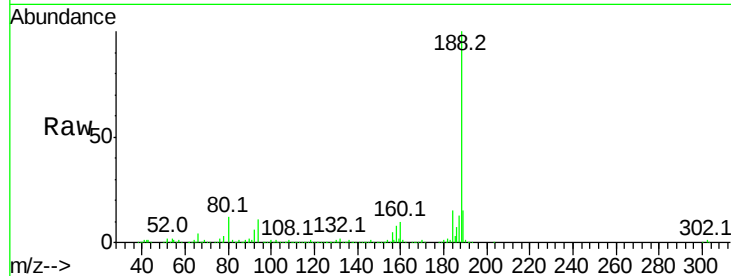
ClientSampled :

S3-5-10

Tot Ion:	188	Resp:	365020
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	11.6	9.2	13.8

Manual Integrations
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#70

Phenanthrene

Concen: 17.251 ng

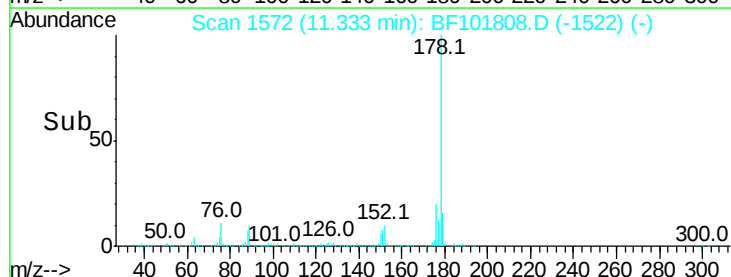
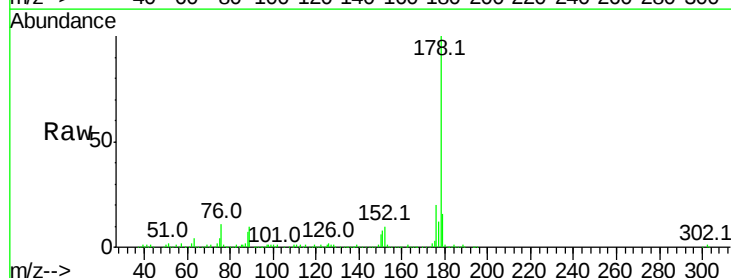
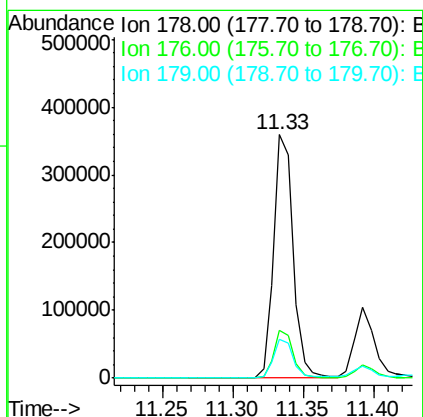
RT: 11.33 min Scan# 1572

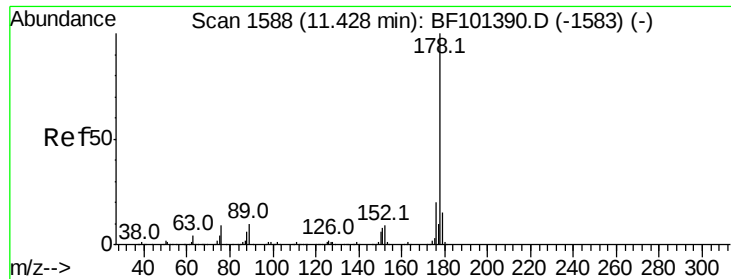
Delta R.T. -0.01 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Tgt Ion:	178	Resp:	350186
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.8	23.8
179	15.7	13.0	19.6





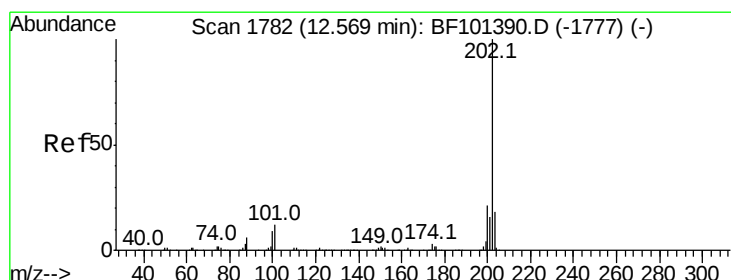
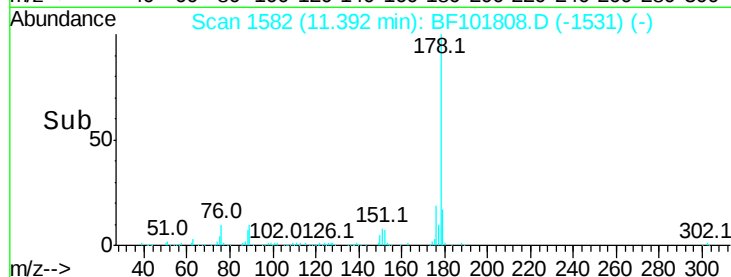
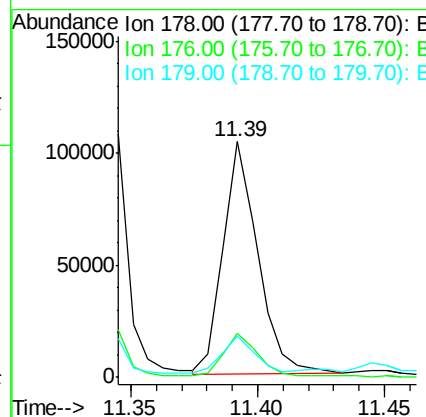
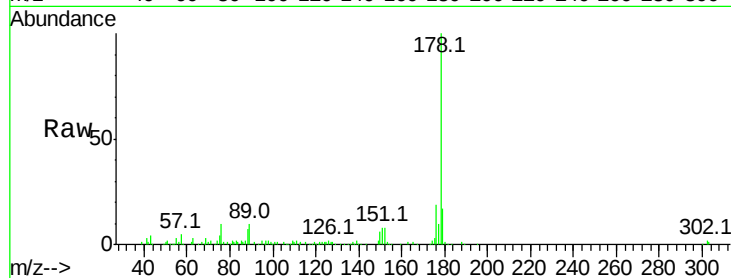
#71
 Anthracene
 Concen: 4.777 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF101808.D
 Acq: 28 Dec 2017 17:52

Instrument :
 BNA_F
 ClientSampled :
 S3-5-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	17.4	12.6	19.0

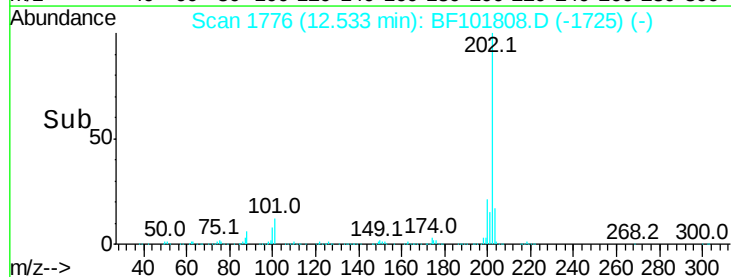
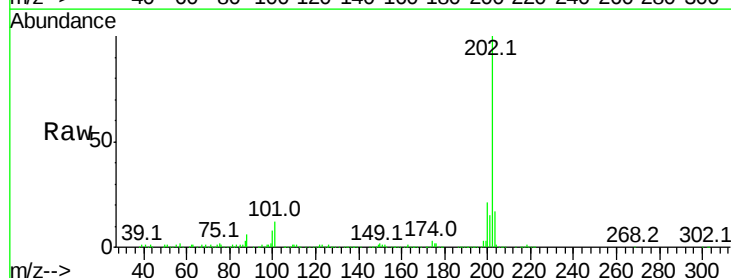
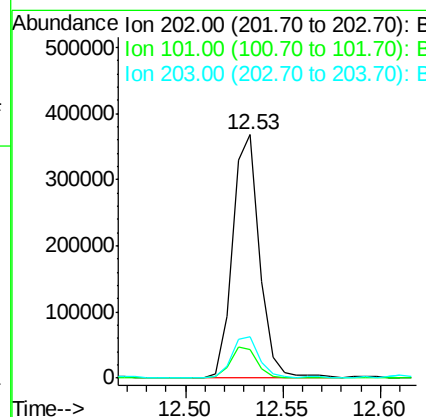
Manual Integrations
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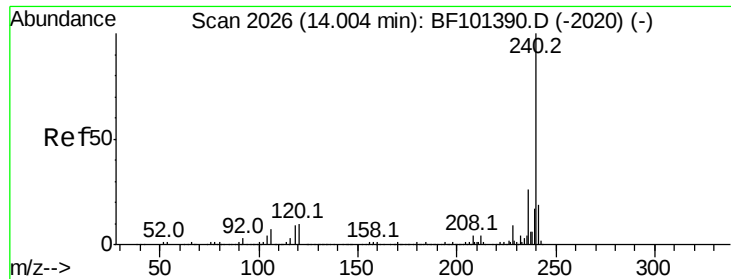
Sohil
 12/29/2017 11:55:20 AM



#74
 Fluoranthene
 Concen: 16.539 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BF101808.D
 Acq: 28 Dec 2017 17:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.2	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: BF101808.D

Acq: 28 Dec 2017 17:52

Instrument :

BNA_F

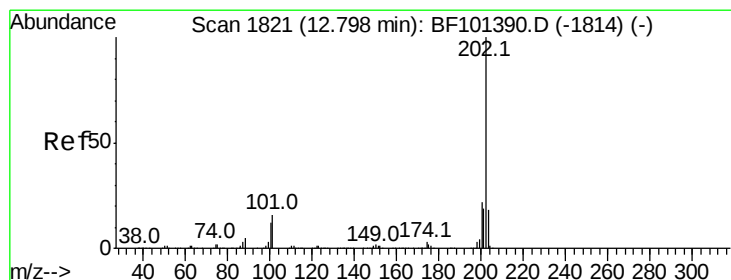
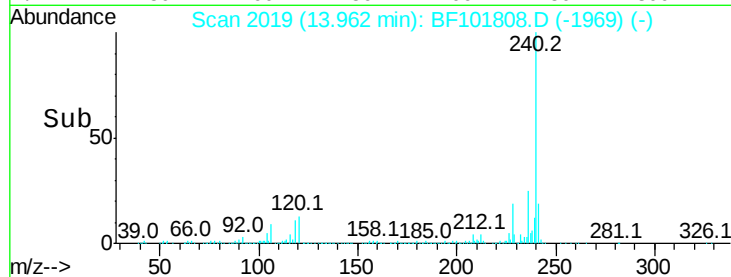
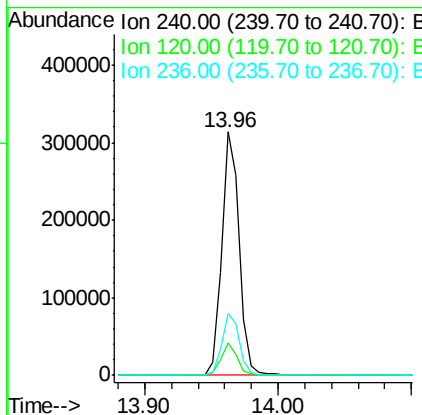
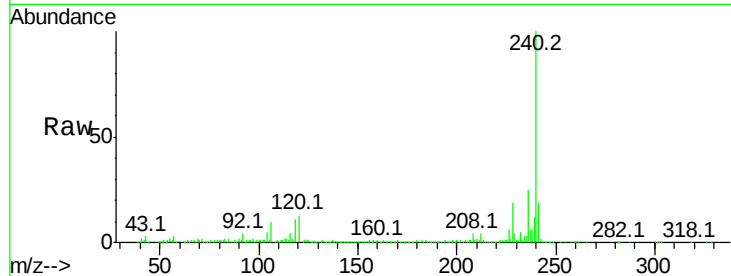
ClientSampleId :

S3-5-10

Tot Ion:	240	Resp:	290113
Ion Ratio	Lower	Upper	
240	100		
120	13.3	9.5	14.3
236	25.2	20.7	31.1

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#77

Pyrene

Concen: 17.412 ng

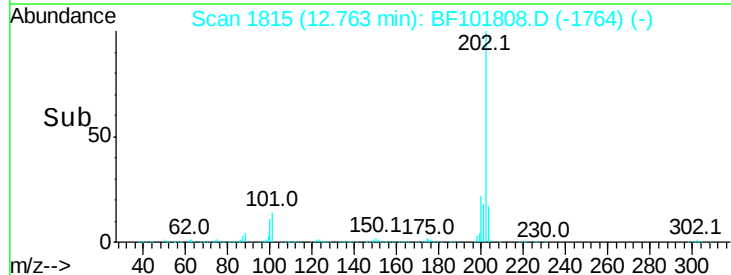
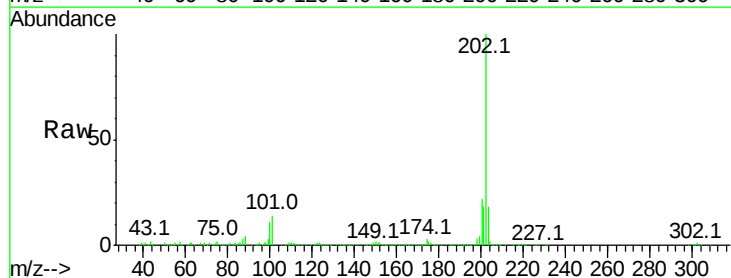
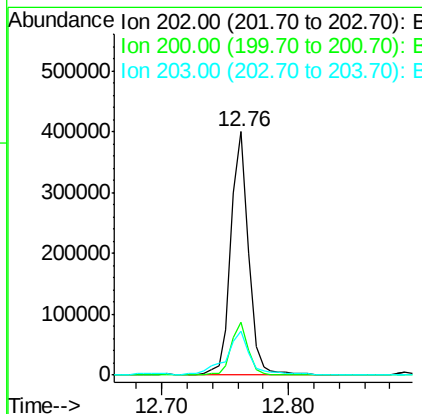
RT: 12.76 min Scan# 1815

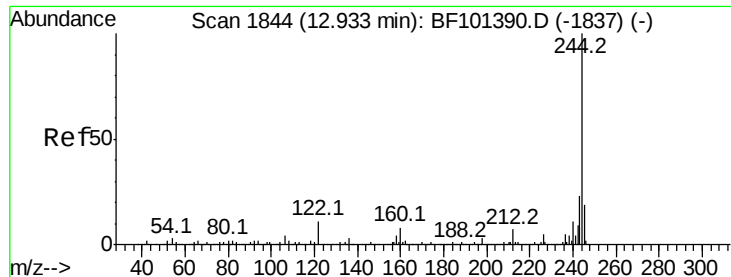
Delta R.T. -0.00 min

Lab File: BF101808.D

Acq: 28 Dec 2017 17:52

Tgt Ion:	202	Resp:	379117
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.0	14.3	21.5





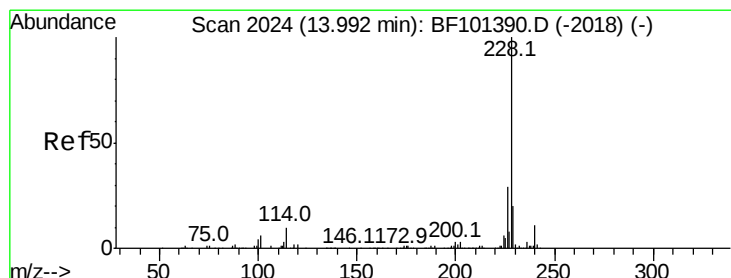
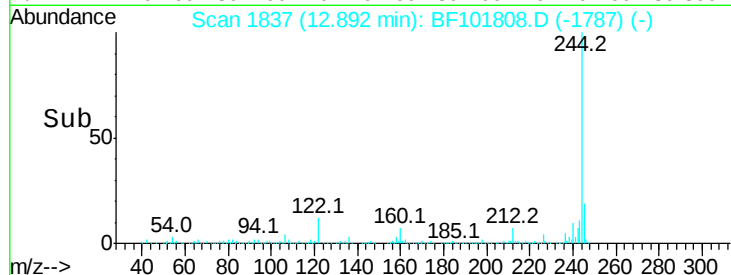
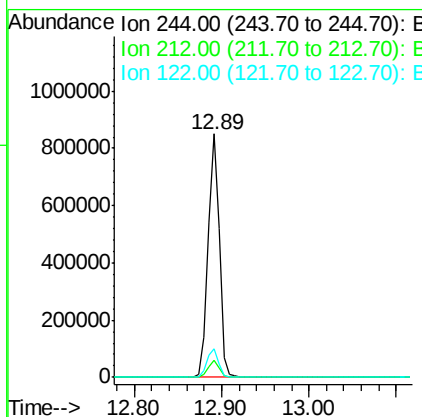
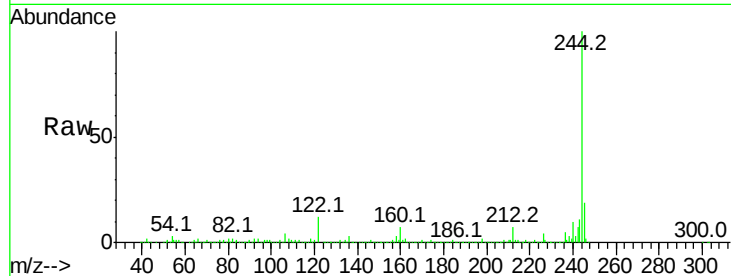
#78
 Terphenyl-d14
 Concen: 63.516 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101808.D
 Acq: 28 Dec 2017 17:52

Instrument :
 BNA_F
 ClientSampled :
 S3-5-10

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.9	11.0	16.4

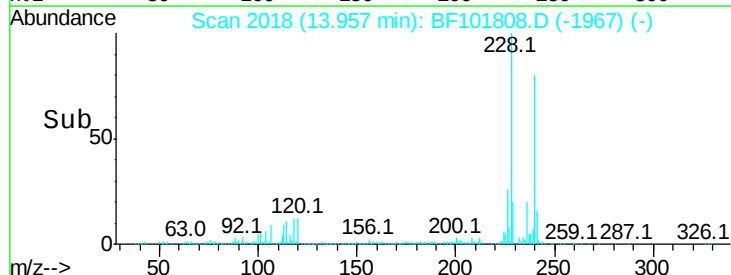
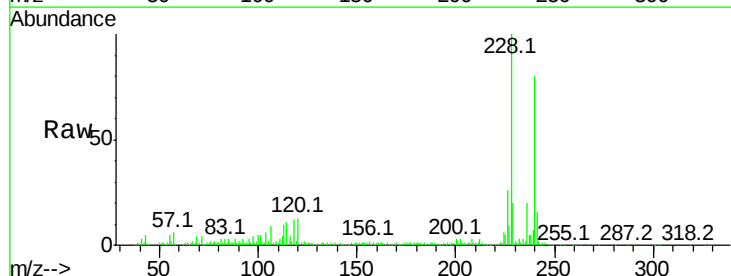
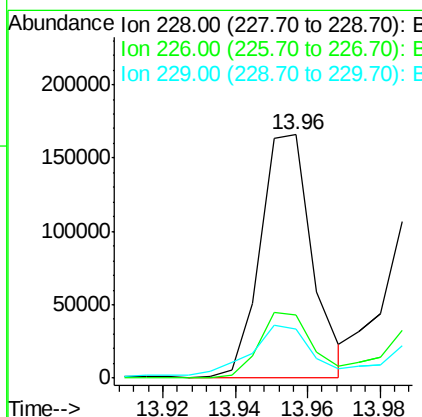
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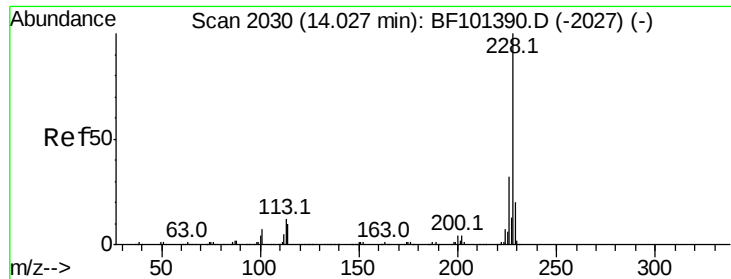
Sohil
 12/29/2017 11:55:20 AM



#80
 Benzo(a)anthracene
 Concen: 8.551 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: BF101808.D
 Acq: 28 Dec 2017 17:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.9	22.6	33.8
229	20.3	15.8	23.6





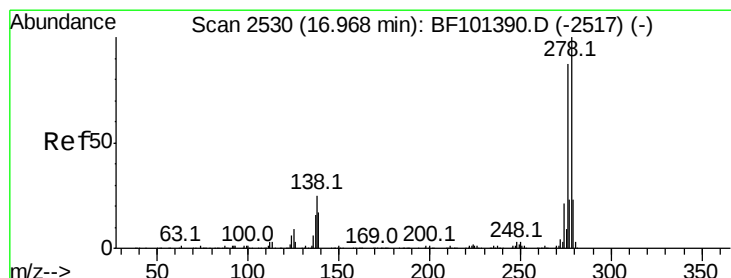
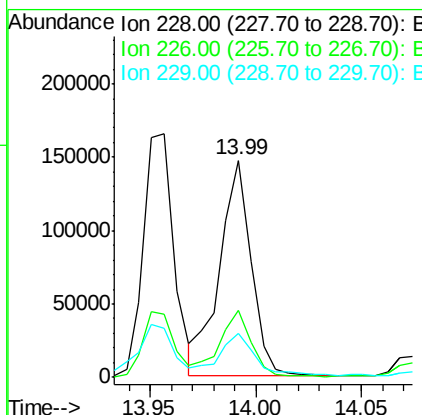
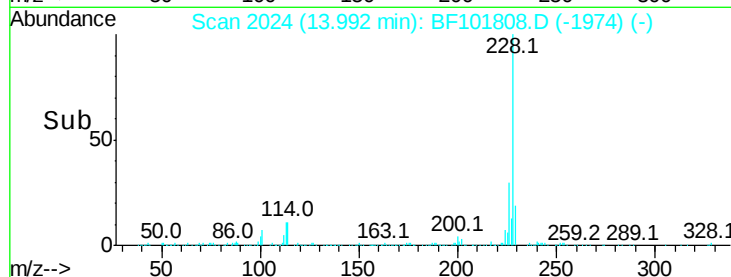
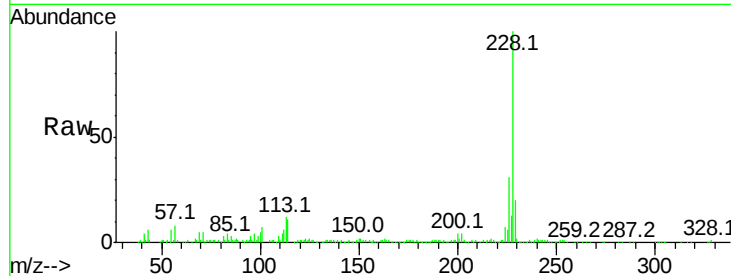
#82
Chrysene
Concen: 8.451 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Instrument :
BNA_F
ClientSampled :
S3-5-10

Tot Ion:	228	Resp:	152863
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	20.4	16.2	24.4

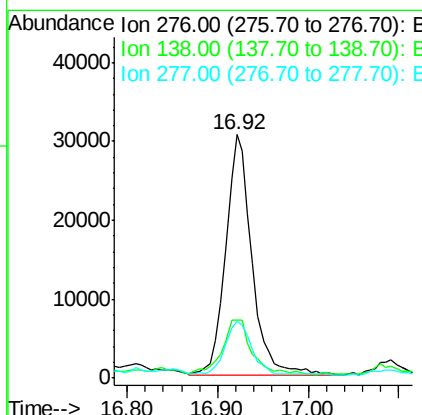
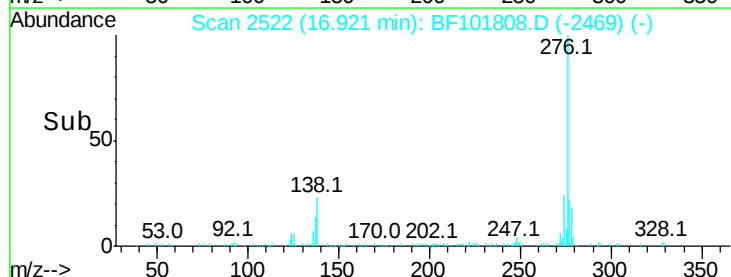
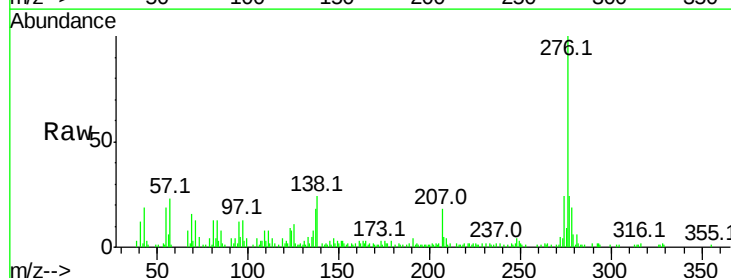
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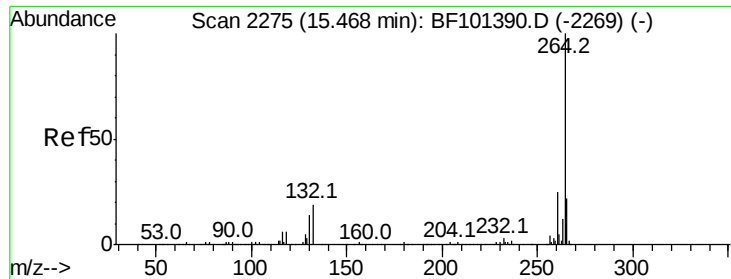
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.797 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion:	276	Resp:	61152
Ion Ratio	Lower	Upper	
276	100		
138	26.4	25.0	37.6
277	22.6	20.1	30.1





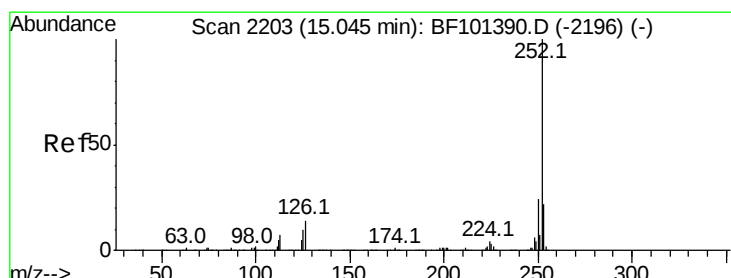
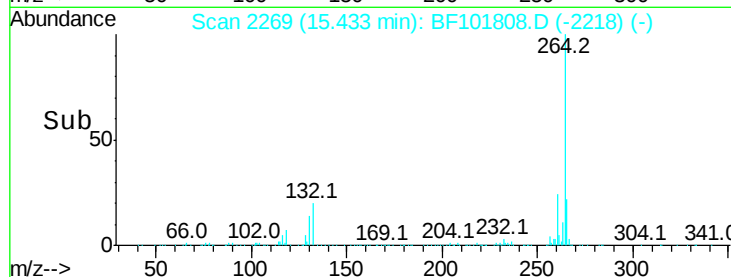
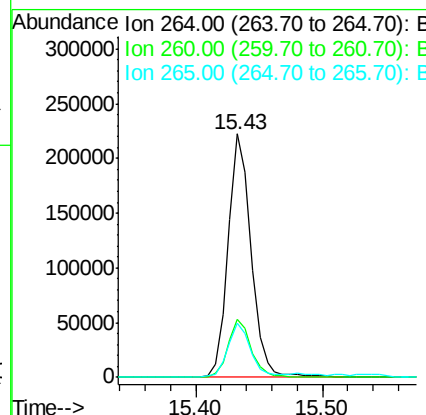
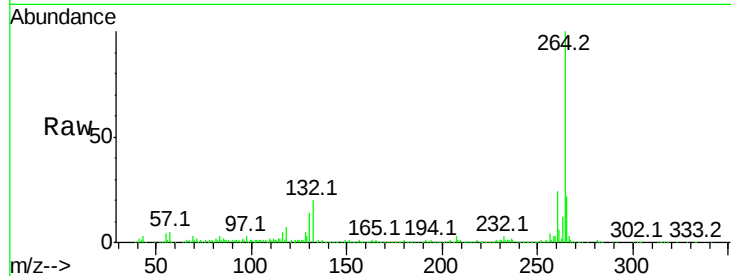
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Instrument :
BNA_F
ClientSampleId :
S3-5-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.2	17.5	26.3

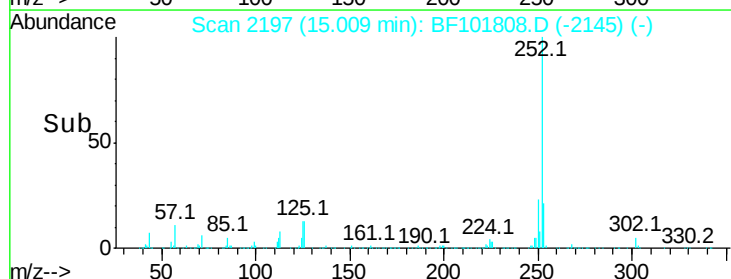
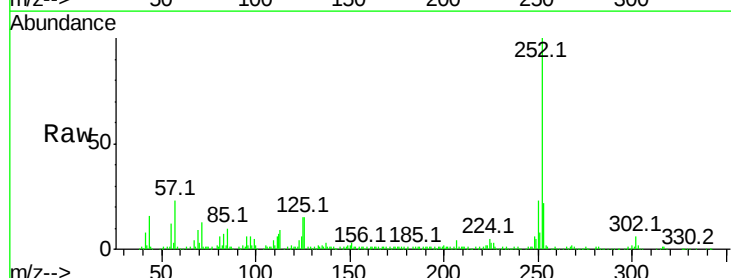
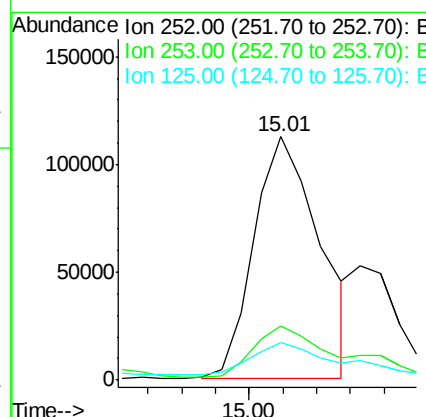
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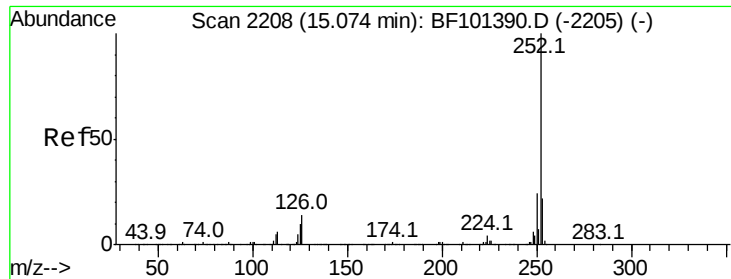
Sohil
12/29/2017 11:55:20 AM



#87
Benzo(b)fluoranthene
Concen: 8.887 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	15.2	9.0	13.6#





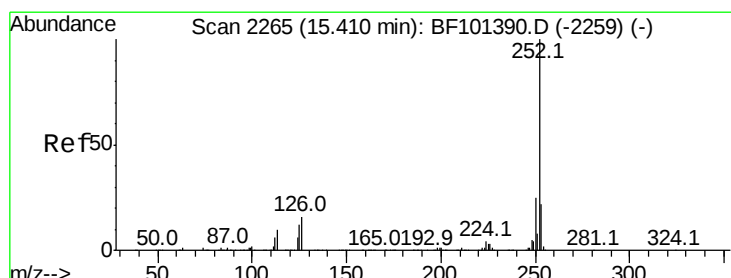
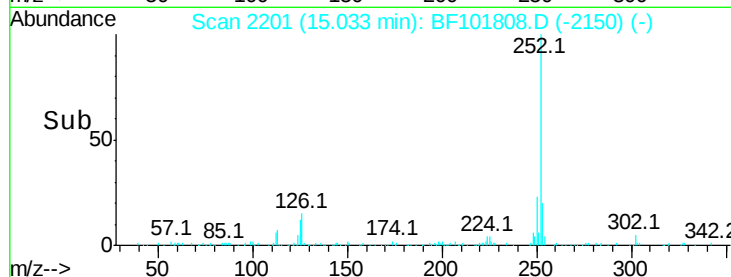
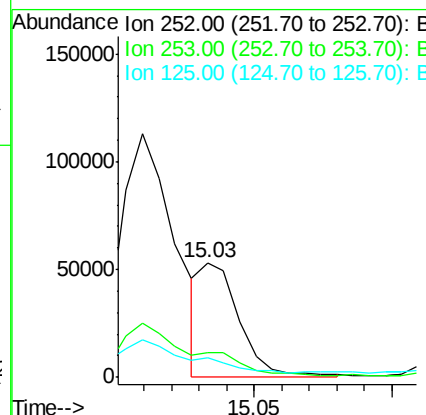
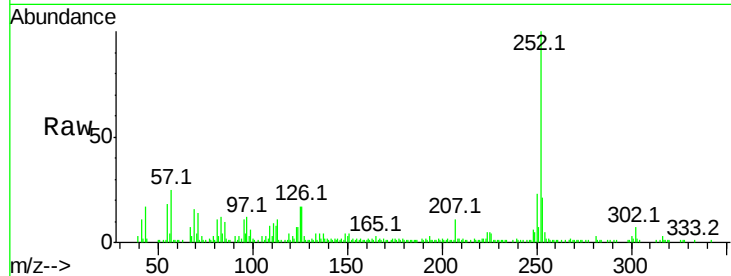
#88
Benzo(k)fluoranthene
Concen: 3.059 ng/mL
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Instrument :
BNA_F
ClientSampled :
S3-5-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	16.9	10.2	15.2

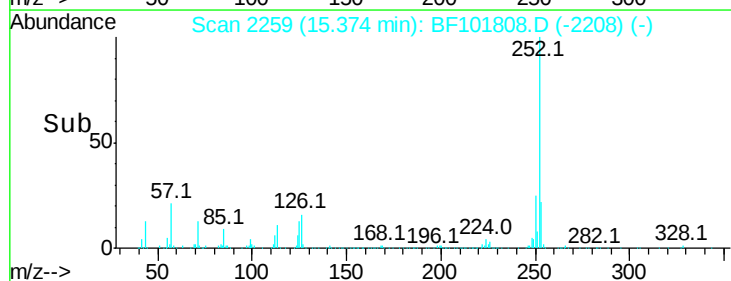
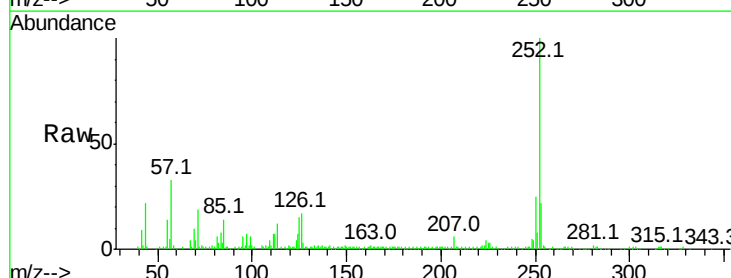
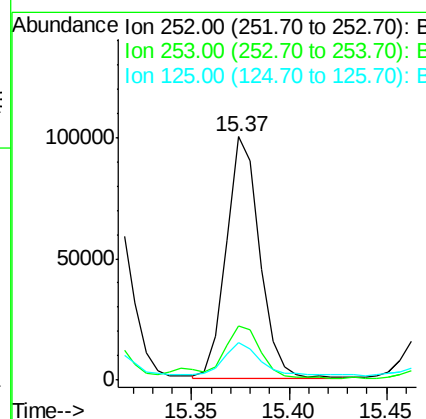
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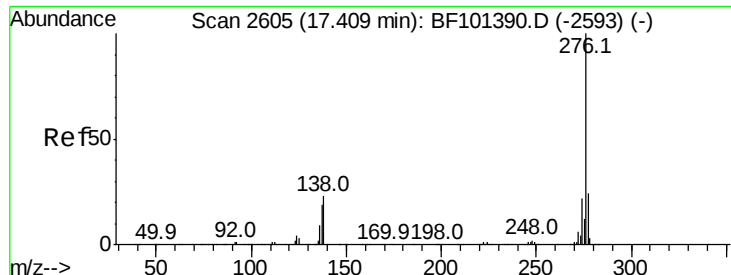
Sohil
12/29/2017 11:55:20 AM



#89
Benzo(a)pyrene
Concen: 7.550 ng/mL
RT: 15.37 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BF101808.D
Acq: 28 Dec 2017 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	15.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.394 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. 0.02 min
 Lab File: BF101808.D
 Acq: 28 Dec 2017 17:52

Instrument :
 BNA_F
 ClientSampleId :
 S3-5-10

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	28.4	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 12/29/2017 11:55:20 AM

