

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101819.D
 Acq On : 29 Dec 2017 10:46
 Operator : SJ/JU
 Sample : I7056-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-9(0-10)COMP

Manual Integrations
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Quant Time: Dec 29 14:33:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	155700	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	617319	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	258028	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	440300	20.00	ng	0.00
75) Chrysene-d12	13.97	240	286212	20.00	ng	0.00
86) Perylene-d12	15.43	264	303127	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	492732	47.14	ng	0.00
7) Phenol-d6	6.43	99	614489	47.24	ng	0.00
23) Nitrobenzene-d5	7.36	82	370312	33.39	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	115831	46.59	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	635972	38.23	ng	0.00
78) Terphenyl-d14	12.89	244	467336	39.36	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	66631	3.210	ng	98
70) Phenanthrene	11.34	178	242468	9.902	ng	99
71) Anthracene	11.39	178	76961	3.077	ng	97
74) Fluoranthene	12.53	202	616847	24.001	ng	98
77) Pyrene	12.76	202	526739	24.522	ng	98
80) Benzo(a)anthracene	13.96	228	312094	16.514	ng	99
82) Chrysene	13.99	228	260466	14.597	ng	100
85) Indeno(1,2,3-cd)pyrene	16.92	276	157109	9.887	ng	# 90
87) Benzo(b)fluoranthene	15.01	252	379037m	20.515	ng	
88) Benzo(k)fluoranthene	15.03	252	118197m	6.580	ng	
89) Benzo(a)pyrene	15.38	252	255561	15.004	ng	98
90) Dibenzo(a,h)anthracene	16.92	278	37474m	2.563	ng	
91) Benzo(a,h,i)perylene	17.37	276	139999	9.668	ng	# 94

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

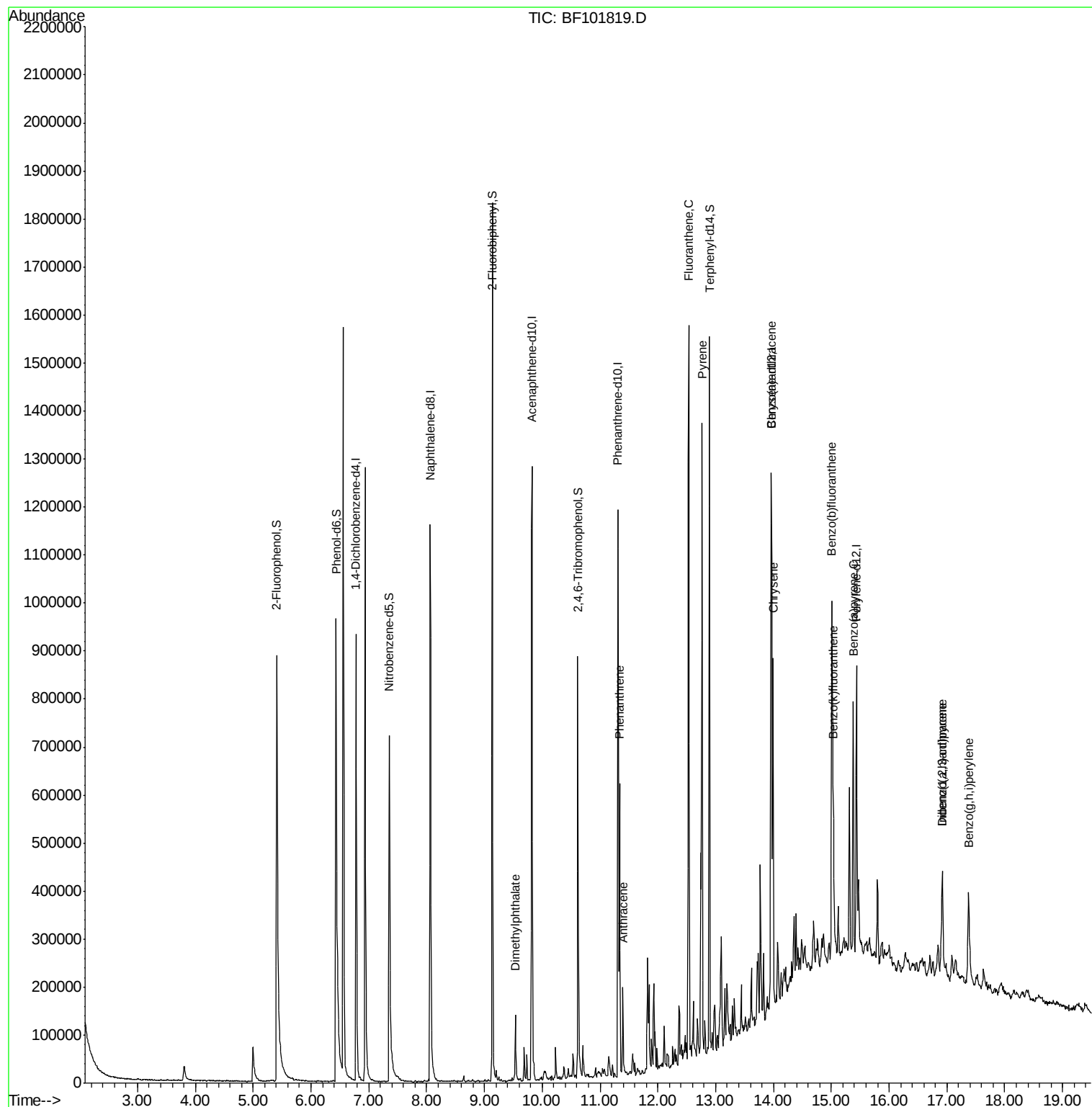
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
Data File : BF101819.D
Acq On : 29 Dec 2017 10:46
Operator : SJ/JU
Sample : I7056-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

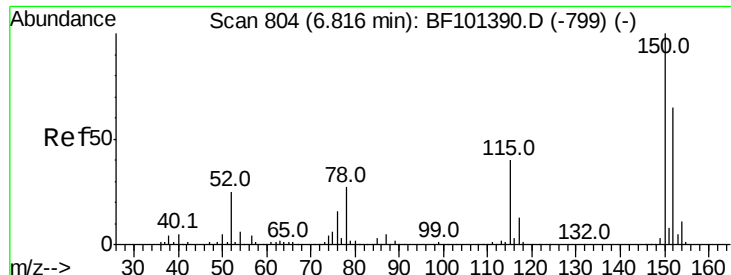
Instrument :
BNA_F
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B-9(0-10)COMP

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#1

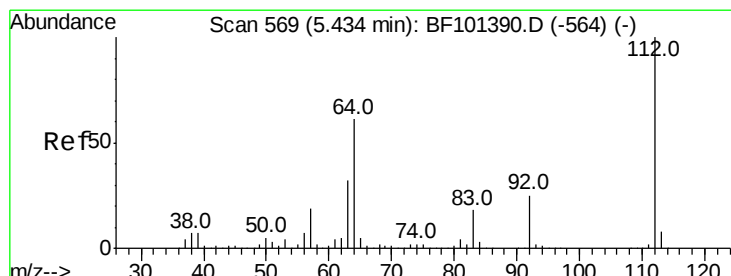
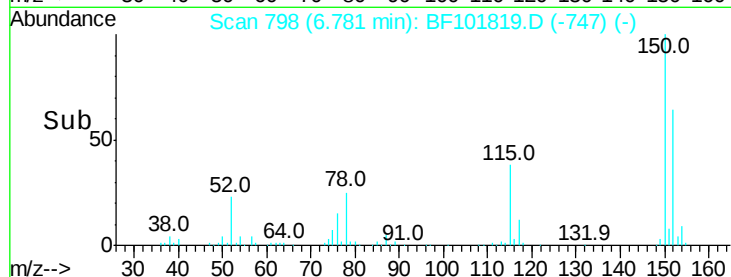
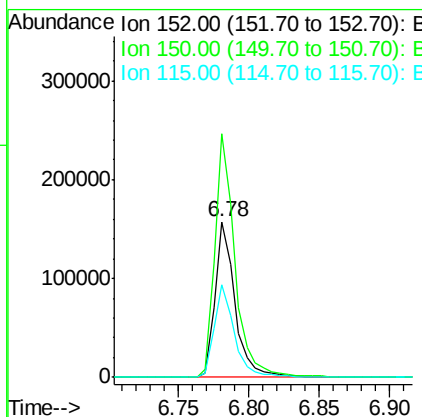
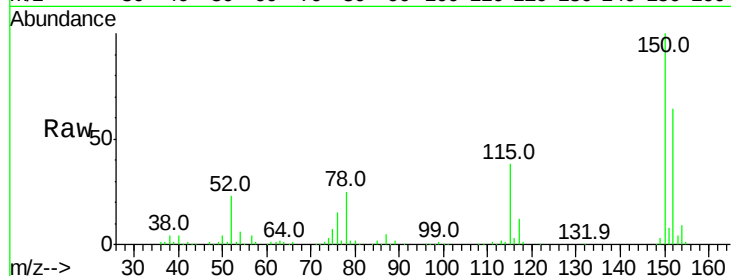
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Instrument :
BNA_F
ClientSampleId :
B-9(0-10)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	59.7	50.1	75.1

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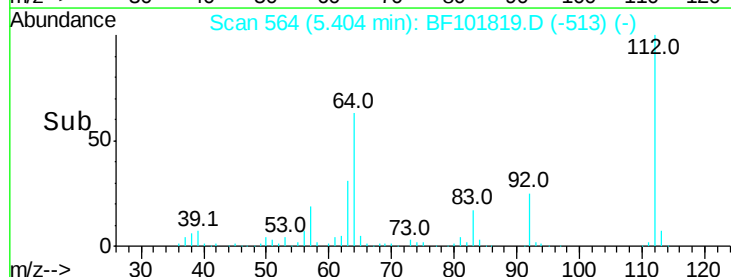
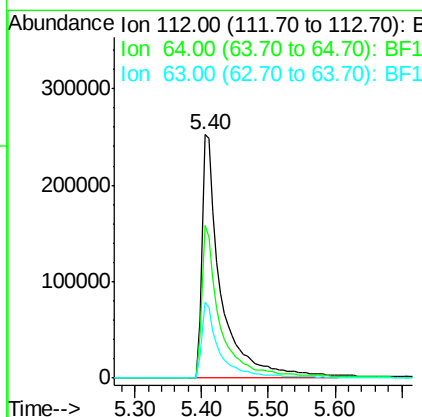
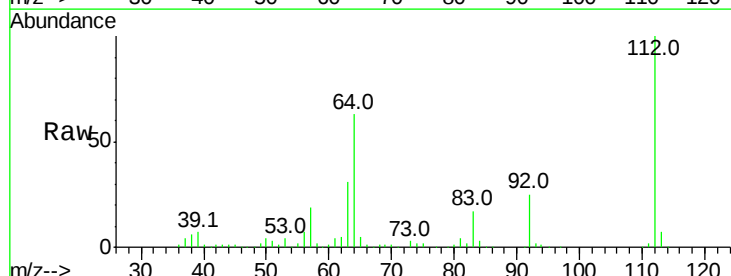
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#5

2-Fluorophenol
Concen: 47.140 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	47.9	71.9
63	31.1	23.7	35.5





#7

Phenol-d6

Concen: 47.237 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Instrument :

BNA_F

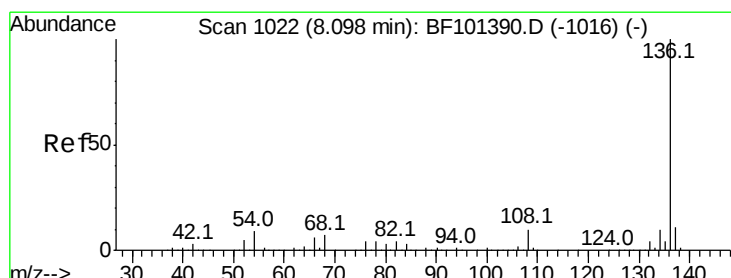
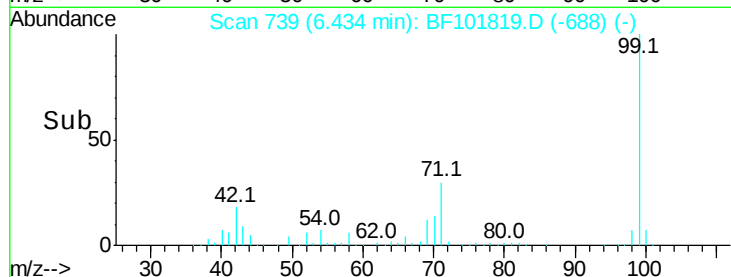
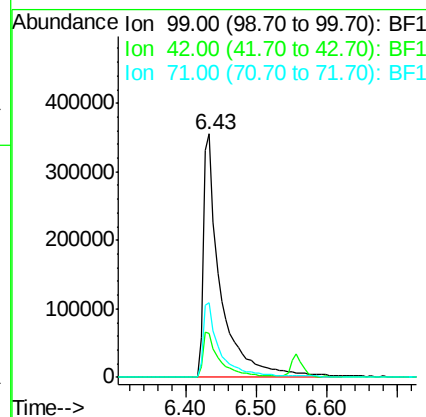
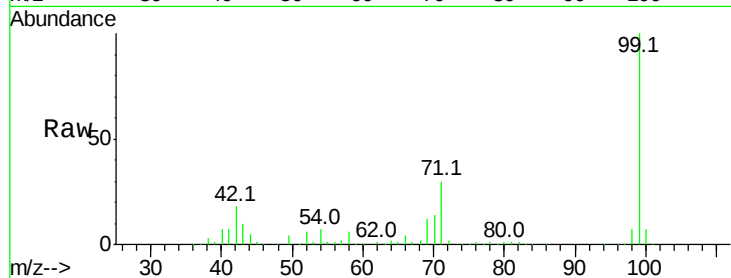
ClientSampleId :

B-9(0-10)COMP

Tot Ion:	99	Resp:	614489
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.5	21.7
71	30.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

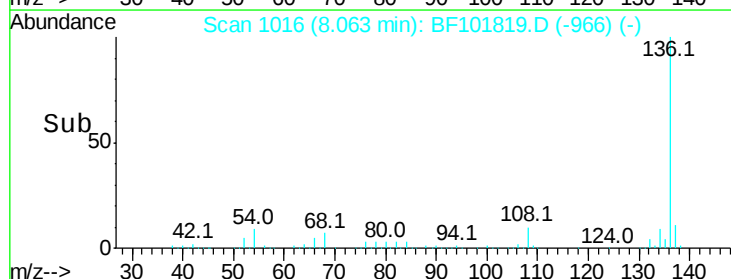
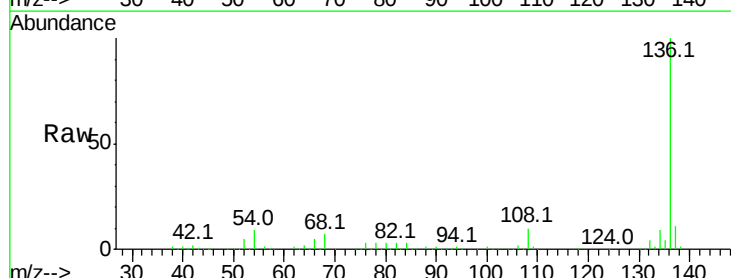
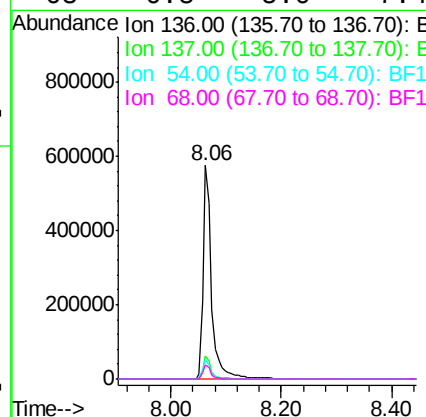
RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Tgt Ion:	136	Resp:	617319
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.2	6.6	9.8
68	6.8	5.0	7.4





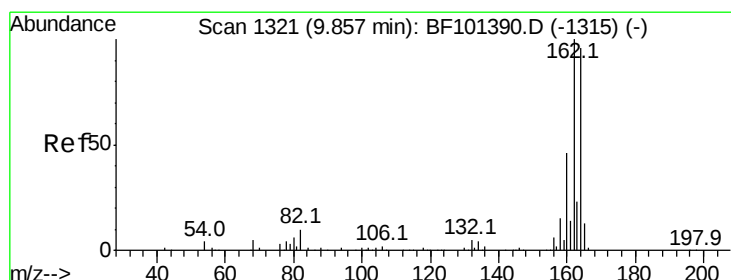
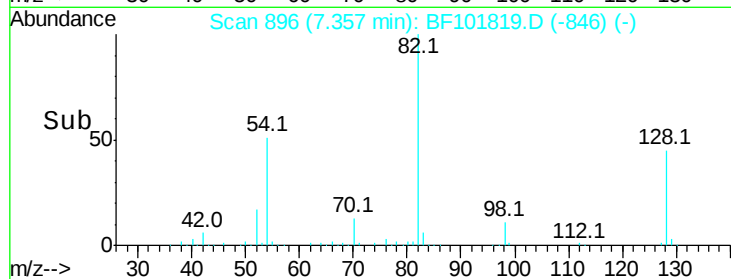
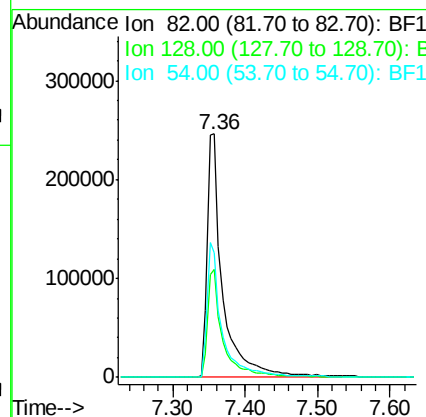
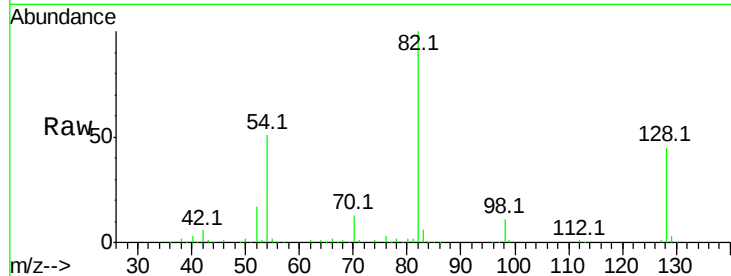
#23
Nitrobenzene-d5
Concen: 33.392 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Instrument :
BNA_F
ClientSampleId :
B-9(0-10)COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.6	36.1	54.1	
54	51.2	41.4	62.2	

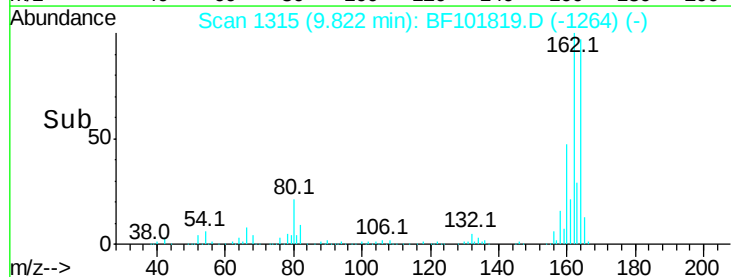
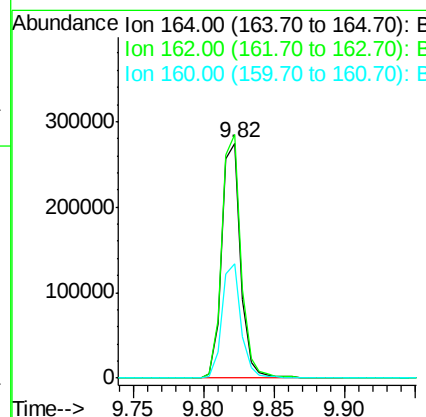
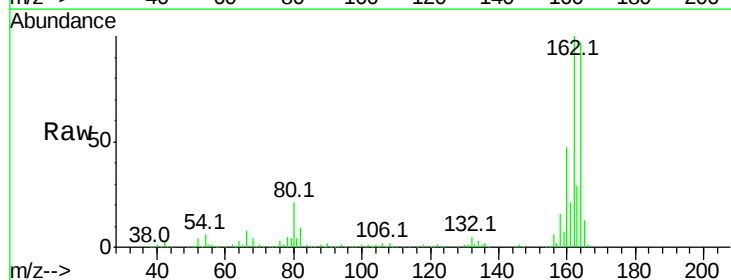
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.6	86.1	129.1	
160	48.4	38.3	57.5	





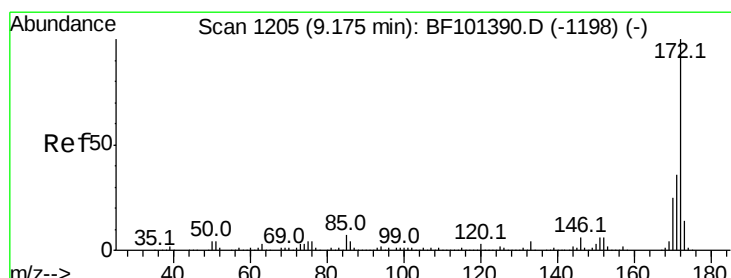
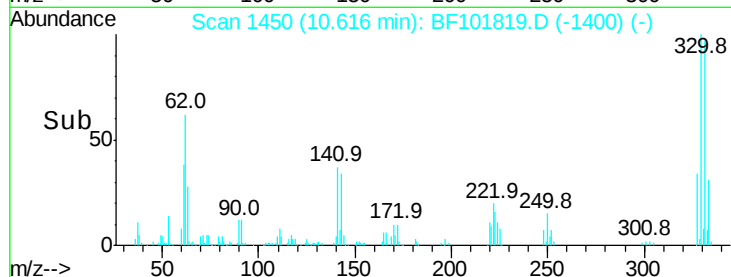
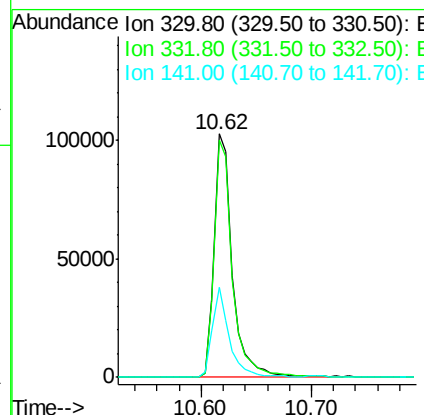
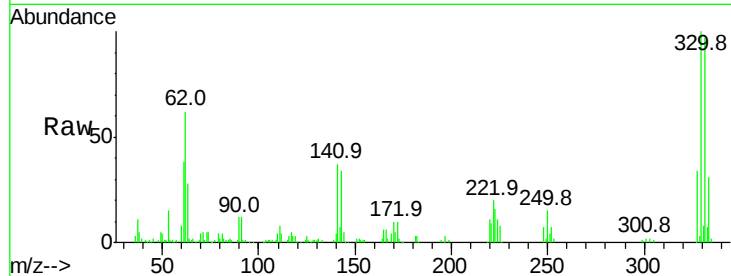
#41
 2,4,6-Tribromophenol
 Concen: 46.588 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF101819.D
 Acq: 29 Dec 2017 10:46

Instrument :
 BNA_F
 ClientSampleId :
 B-9(0-10)COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.7	77.0	115.6	
141	33.8	29.9	44.9	

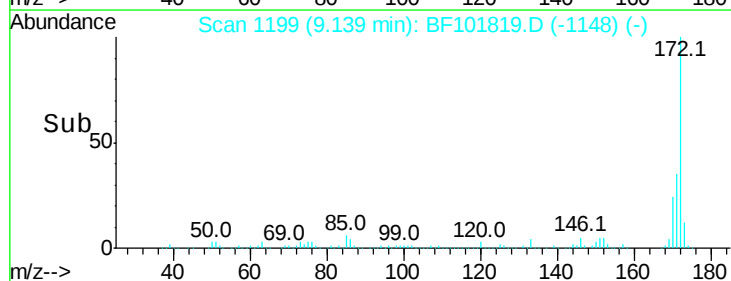
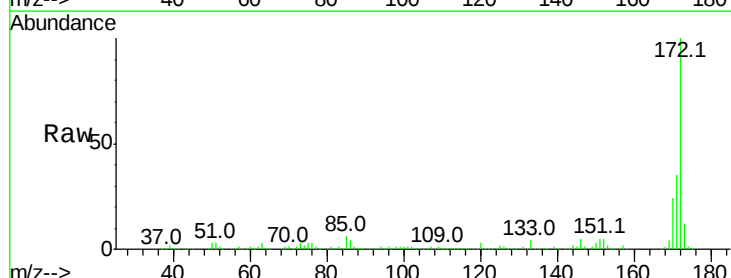
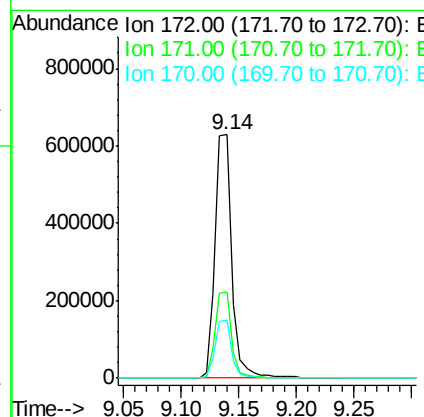
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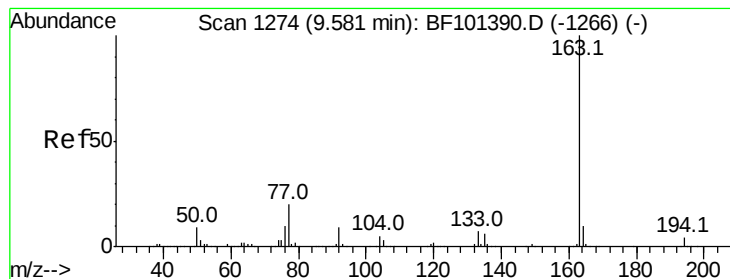
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#44
 2-Fluorobiphenyl
 Concen: 38.234 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BF101819.D
 Acq: 29 Dec 2017 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	29.7	44.5	
170	24.1	19.6	29.4	





#49

Dimethylphthalate

Concen: 3.210 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Instrument :

BNA_F

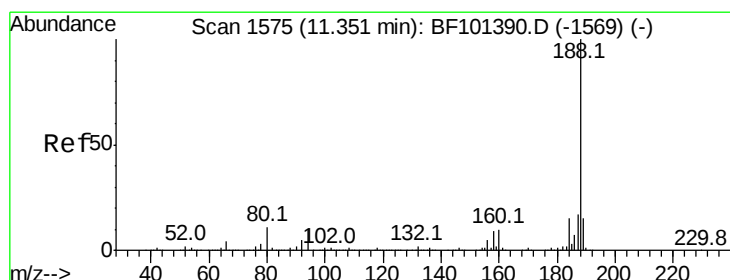
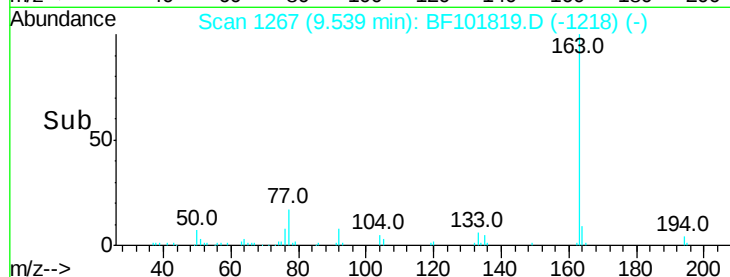
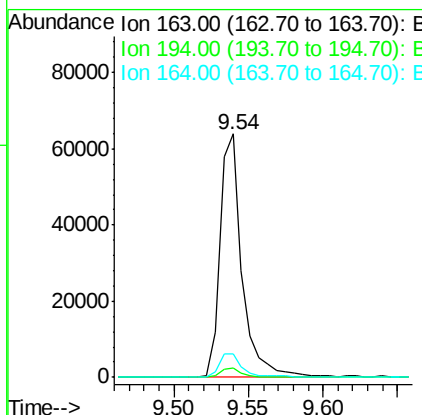
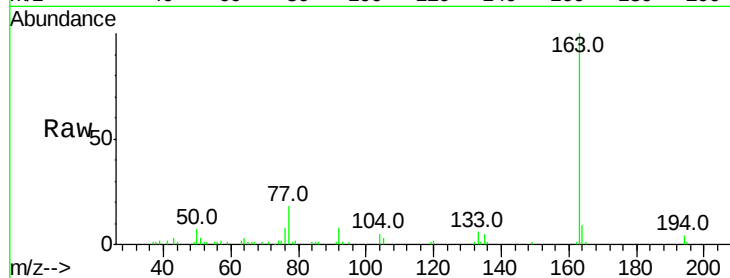
ClientSampleId :

B-9(0-10)COMP

Tot Ion:	163	Resp:	66631
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	9.4	8.2	12.2

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

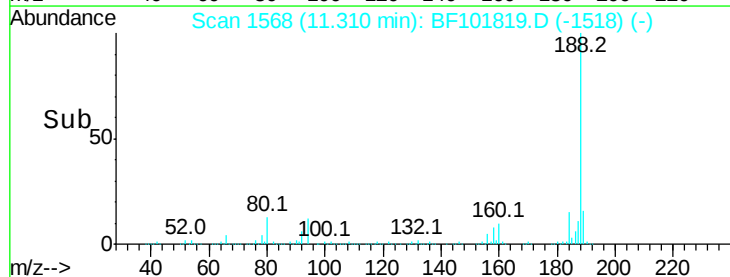
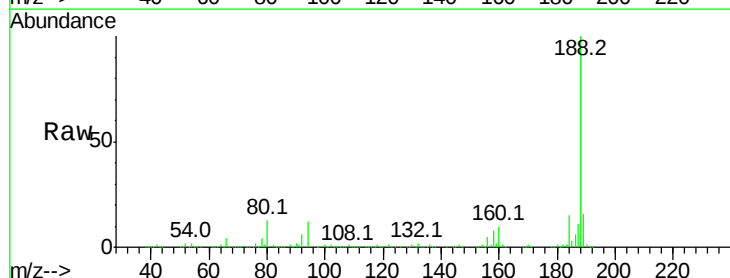
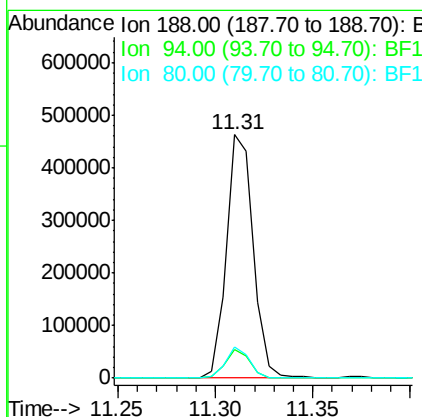
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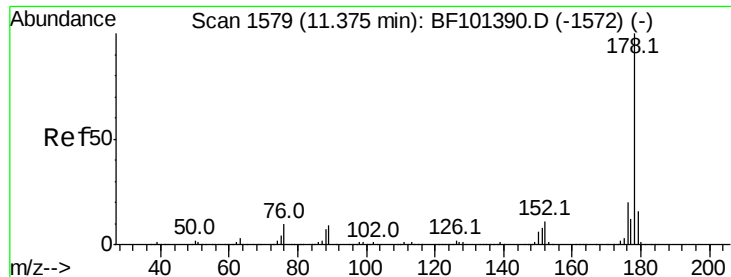
Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Tgt Ion:	188	Resp:	440300
Ion Ratio	Lower	Upper	
188	100		
94	11.6	8.5	12.7
80	12.7	9.2	13.8





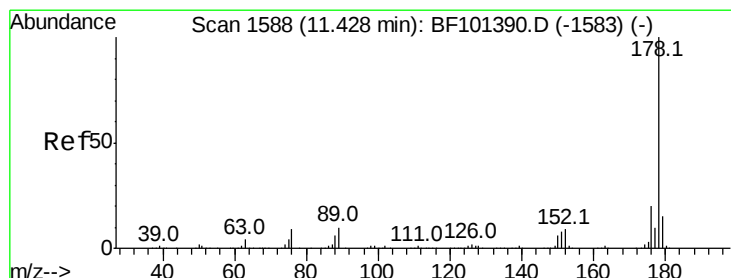
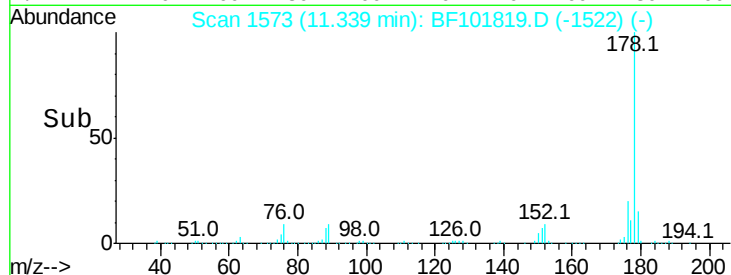
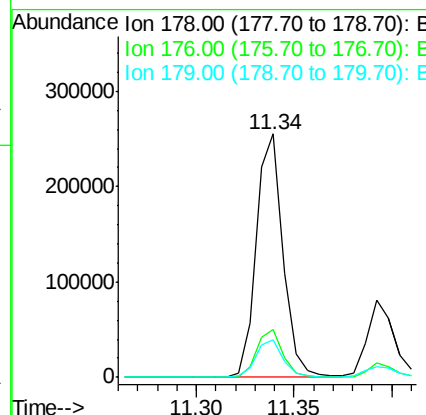
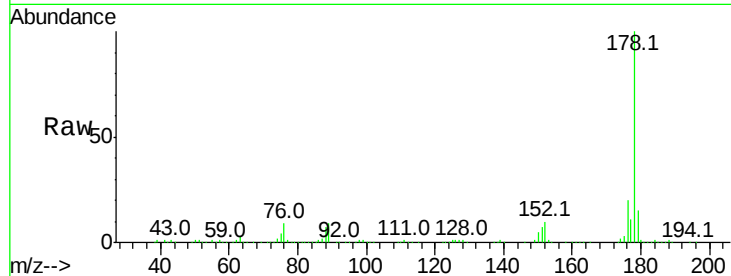
#70
Phenanthrene
Concen: 9.902 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Instrument :
BNA_F
ClientSampleId :
B-9(0-10)COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.4	13.0	19.6

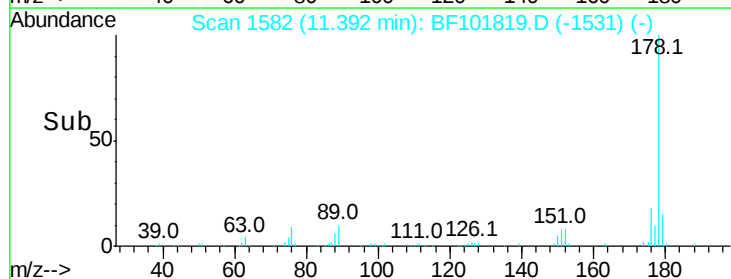
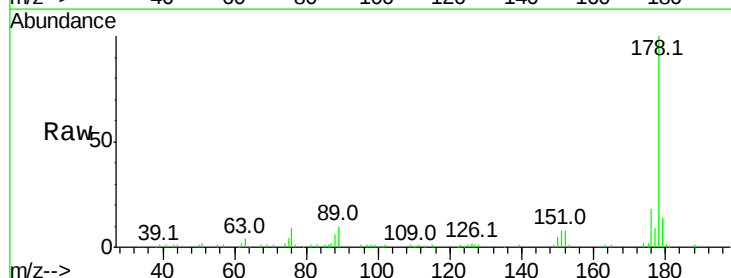
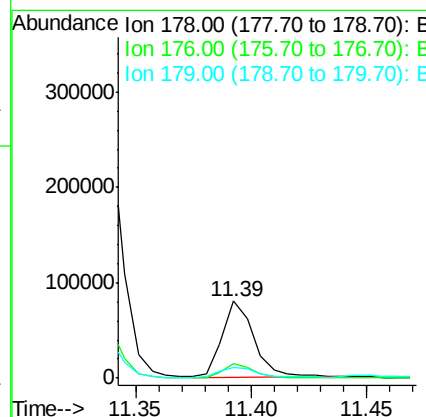
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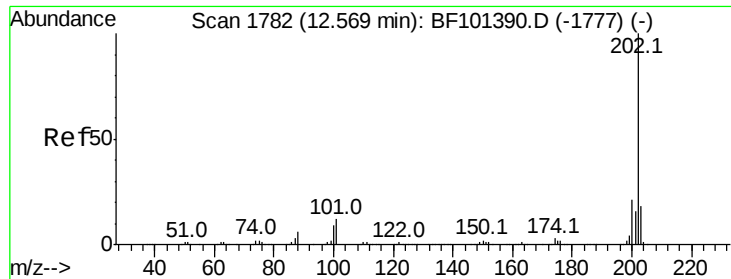
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#71
Anthracene
Concen: 3.077 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	14.5	12.6	19.0





#74

Fluoranthene

Concen: 24.001 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Instrument :

BNA_F

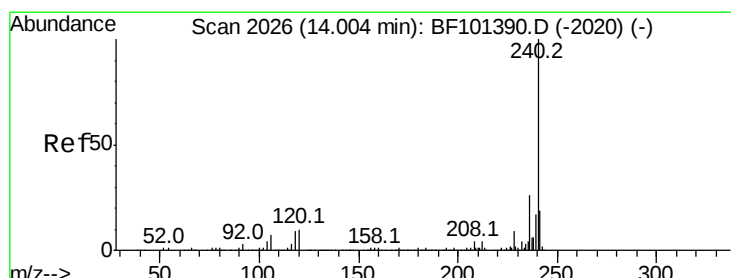
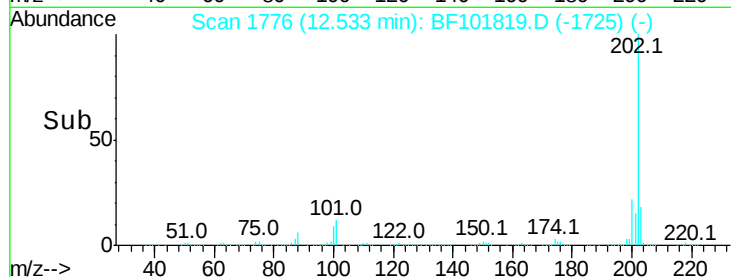
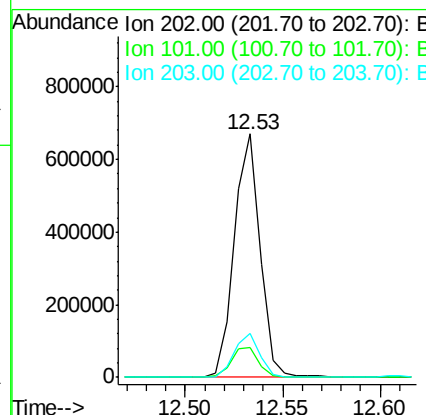
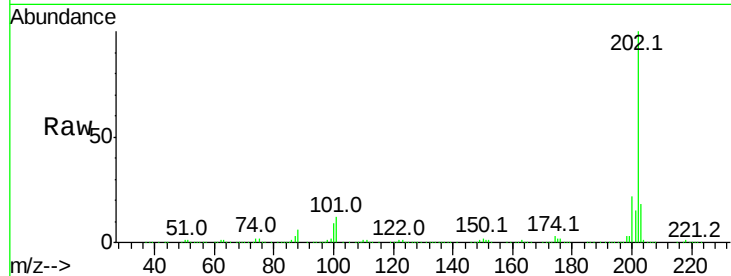
ClientSampleId :

B-9(0-10)COMP

Tot Ion:	202	Resp:	616847
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.1
203	18.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

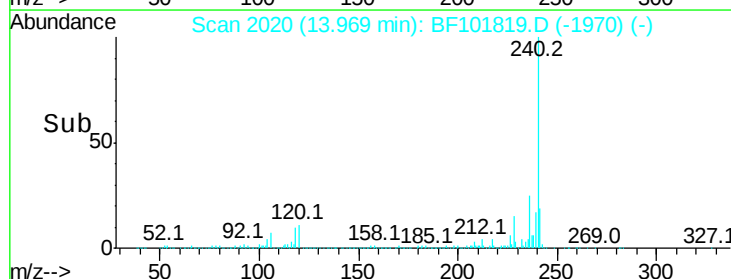
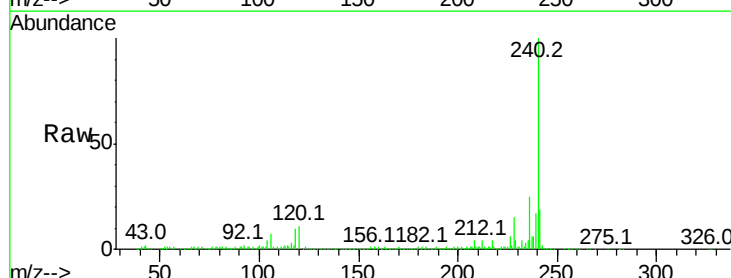
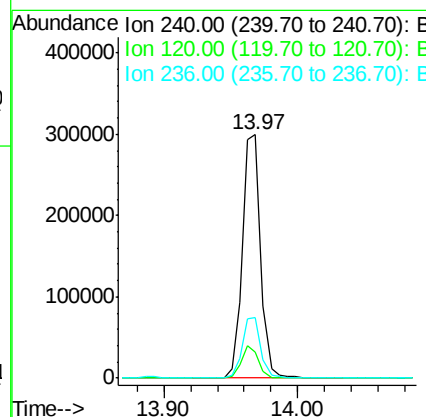
RT: 13.97 min Scan# 2020

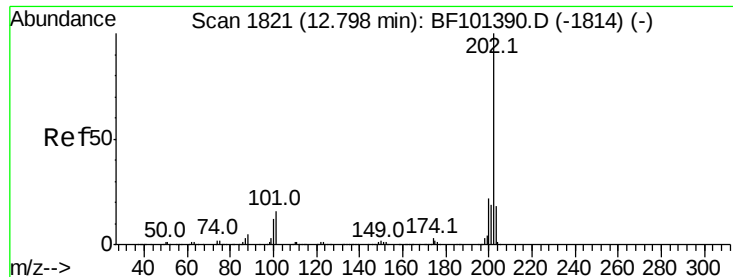
Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Tgt Ion:	240	Resp:	286212
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	25.1	20.7	31.1





#77

Pvrene

Concen: 24.522 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Instrument :

BNA_F

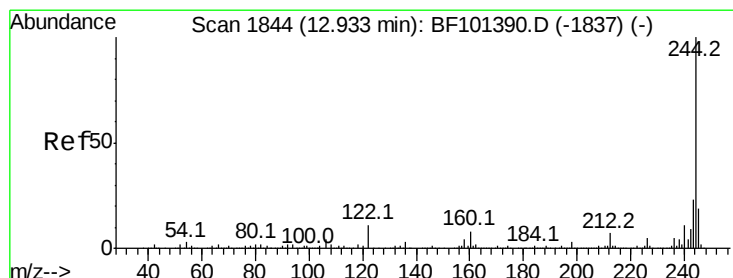
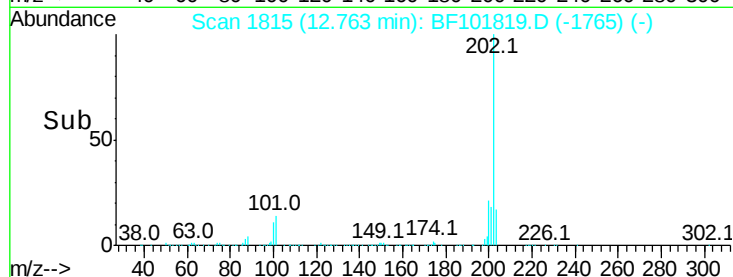
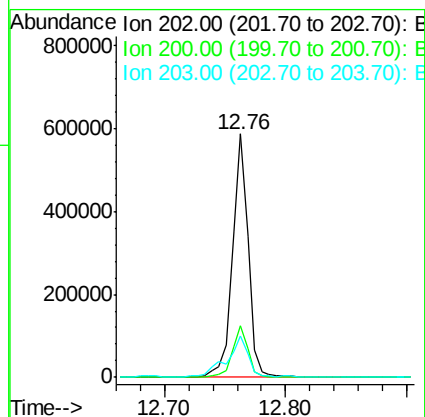
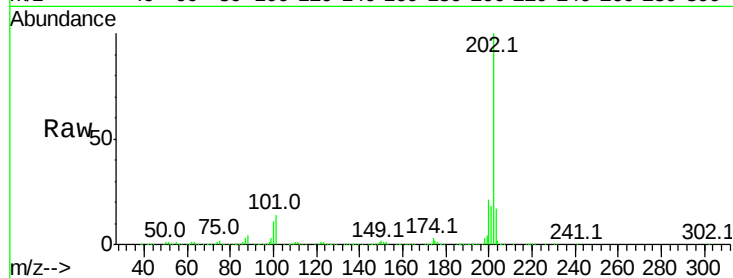
ClientSampleId :

B-9(0-10)COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 39.364 ng

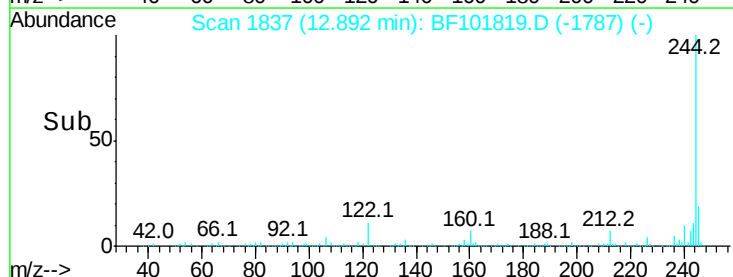
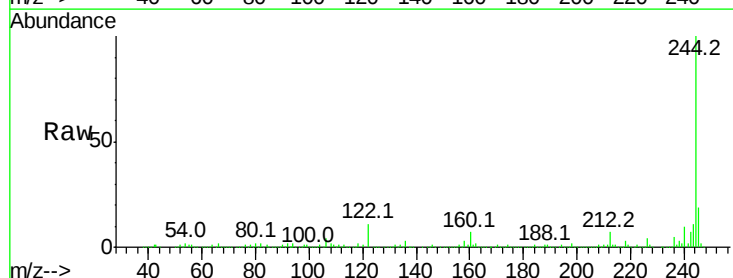
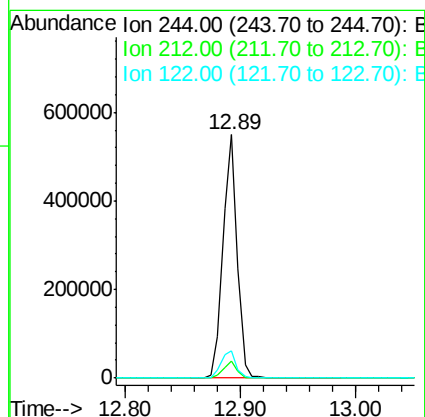
RT: 12.89 min Scan# 1837

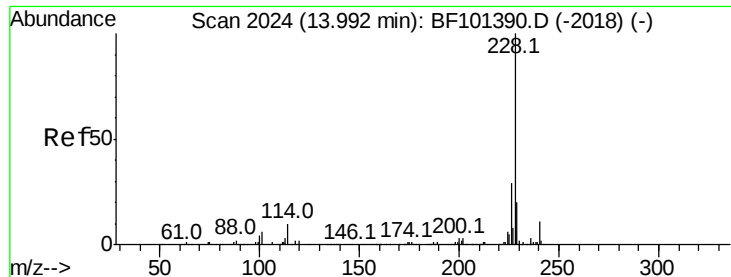
Delta R.T. -0.01 min

Lab File: BF101819.D

Acq: 29 Dec 2017 10:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.4	11.0	16.4





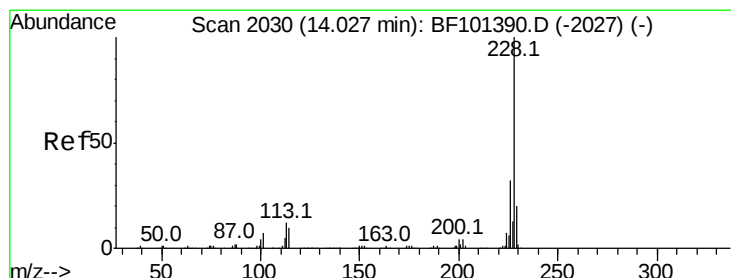
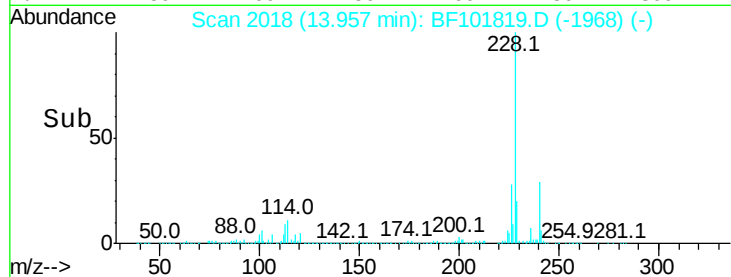
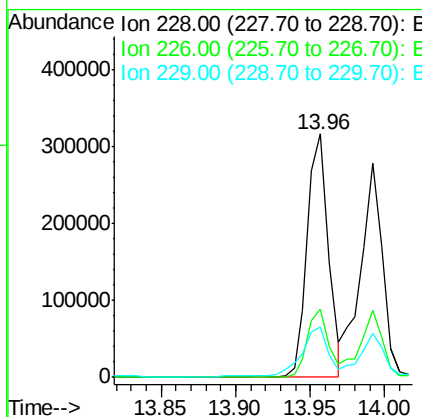
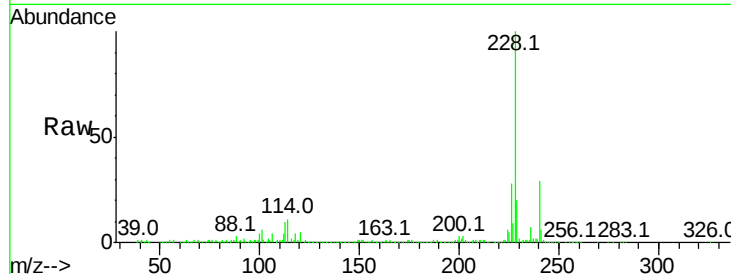
#80
Benzo(a)anthracene
Concen: 16.514 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Instrument :
BNA_F
ClientSampleId :
B-9(0-10)COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.4	15.8	23.6

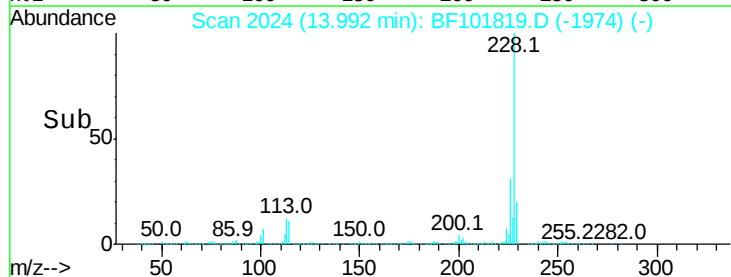
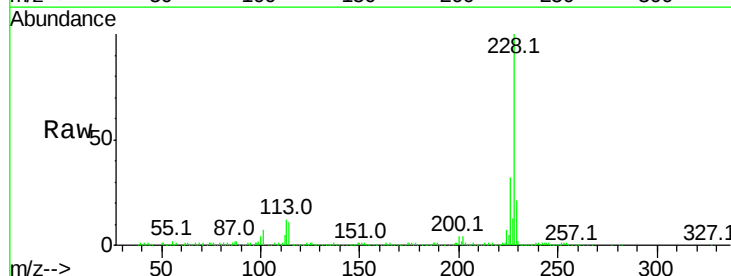
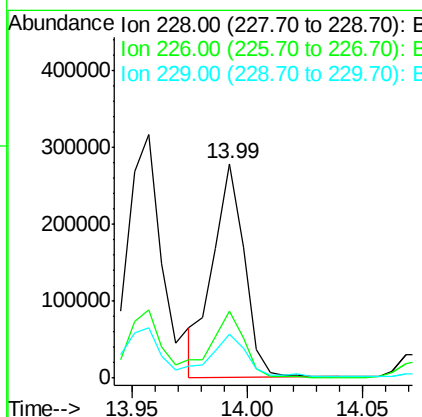
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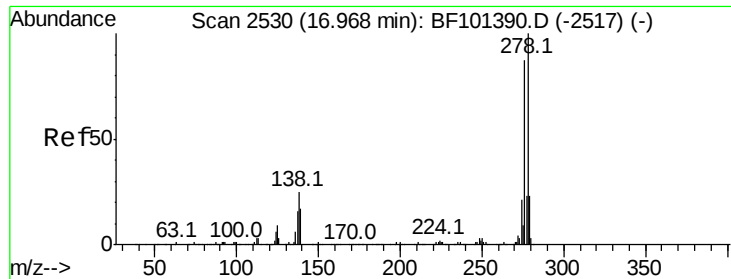
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#82
Chrysene
Concen: 14.597 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	20.6	16.2	24.4





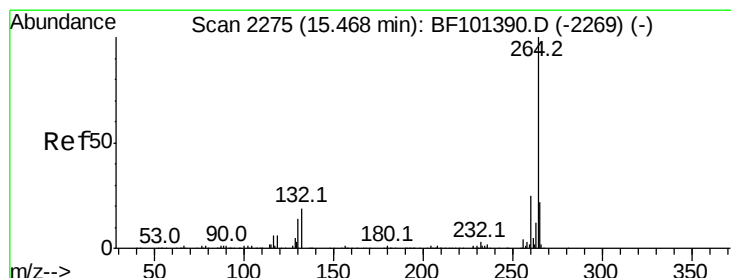
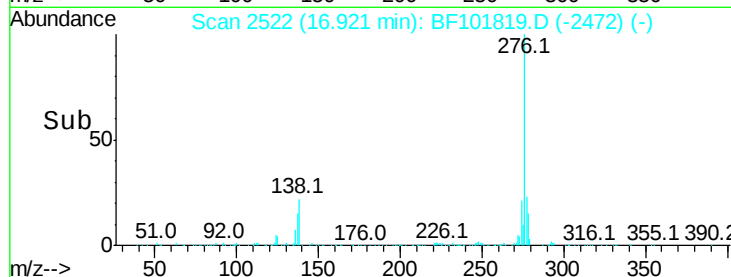
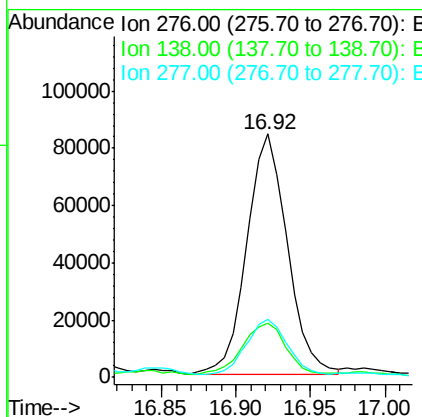
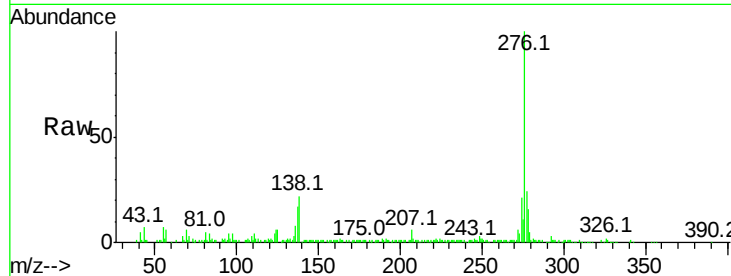
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.887 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. -0.01 min
 Lab File: BF101819.D
 Acq: 29 Dec 2017 10:46

Instrument :
 BNA_F
 ClientSampleId :
 B-9(0-10)COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	25.0	37.6#
277	23.9	20.1	30.1

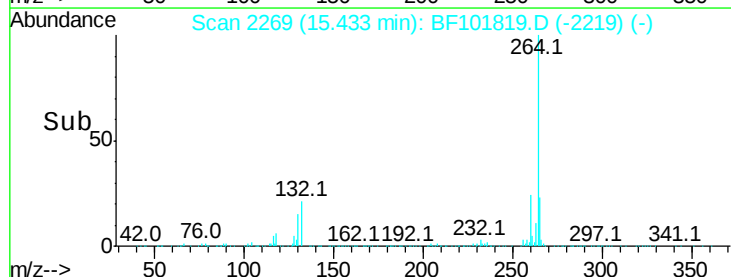
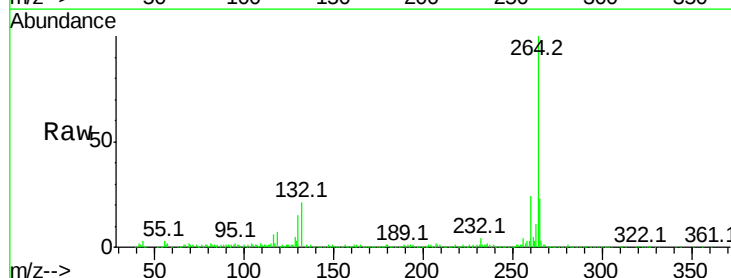
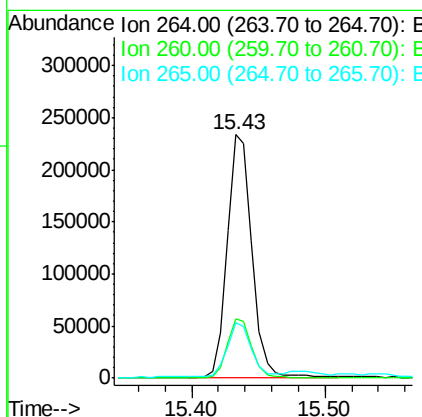
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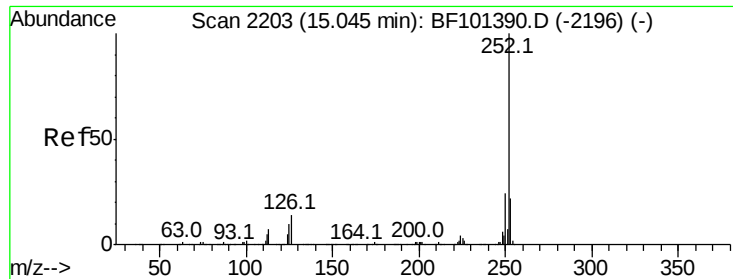
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF101819.D
 Acq: 29 Dec 2017 10:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.9	17.5	26.3





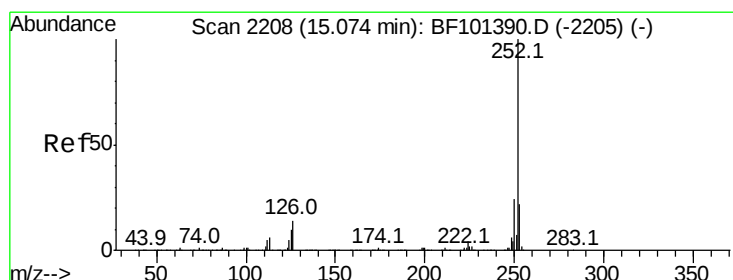
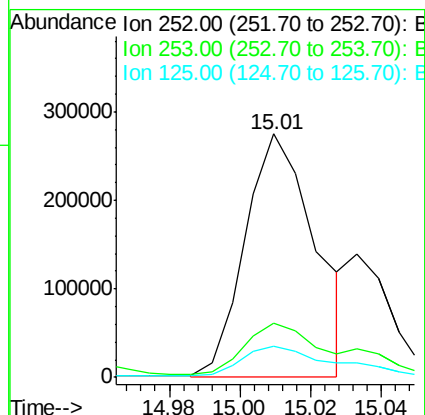
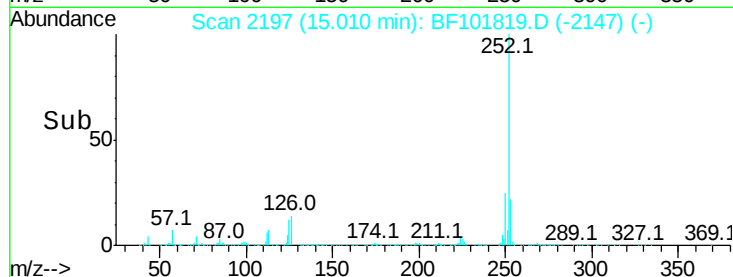
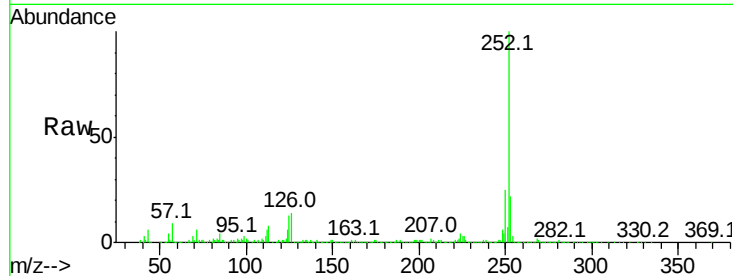
#87
Benzo(b)fluoranthene
Concen: 20.515 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Instrument :
BNA_F
ClientSampleId :
B-9(0-10)COMP

Tot Ion:	252	Resp:	379037
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.0	25.6
125	12.7	9.0	13.6

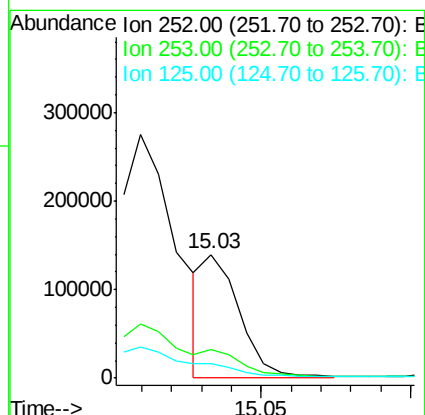
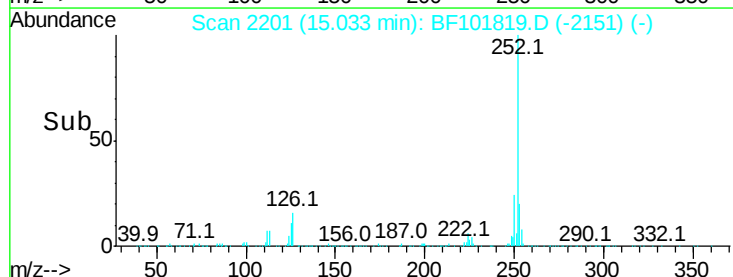
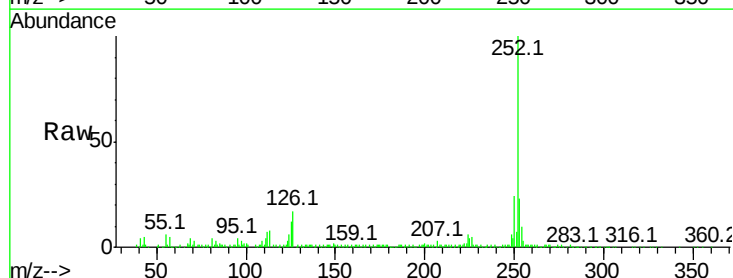
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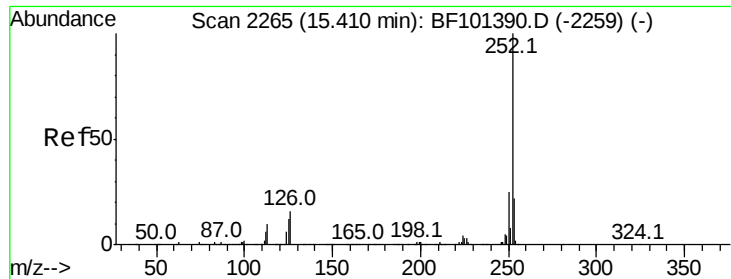
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#88
Benzo(k)fluoranthene
Concen: 6.580 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Tgt Ion:	252	Resp:	118197
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	12.0	10.2	15.2





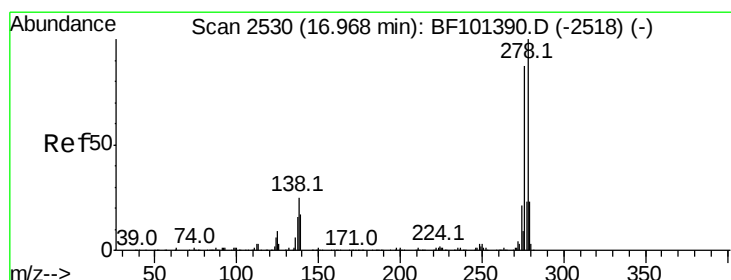
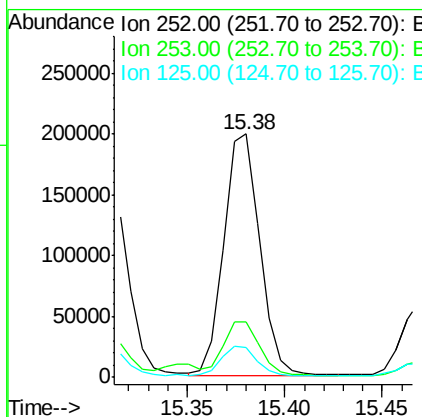
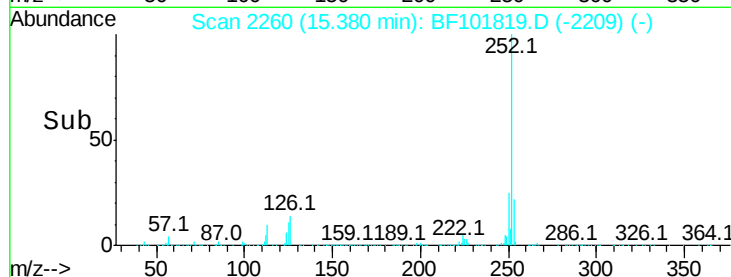
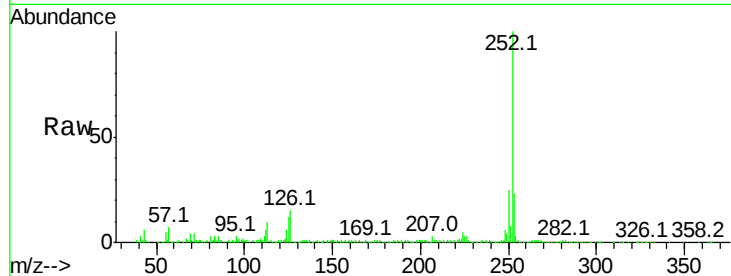
#89
Benzo(a)pyrene
Concen: 15.004 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Instrument :
BNA_F
ClientSampleId :
B-9(0-10)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.0	9.8	14.6

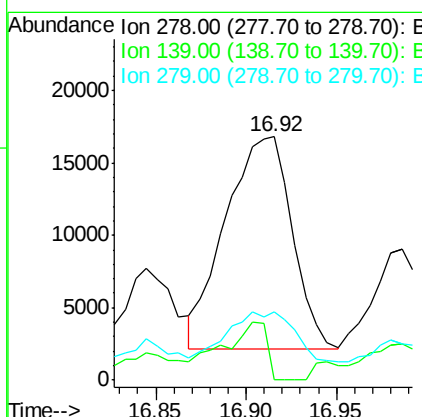
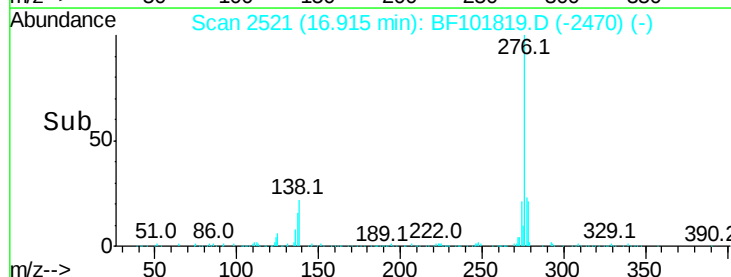
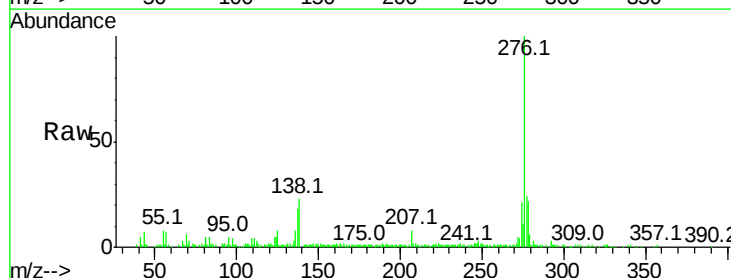
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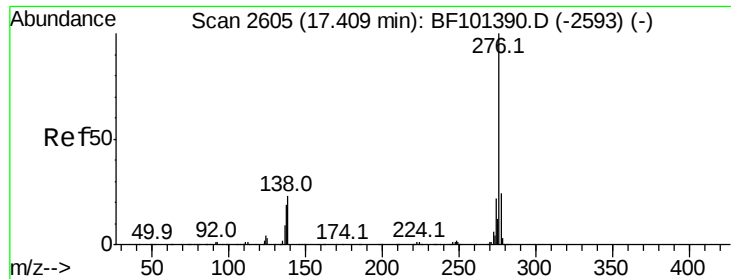
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#90
Dibenzo(a,h)anthracene
Concen: 2.563 ng m
RT: 16.92 min Scan# 2521
Delta R.T. 0.00 min
Lab File: BF101819.D
Acq: 29 Dec 2017 10:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 9.668 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. 0.01 min
 Lab File: BF101819.D
 Acq: 29 Dec 2017 10:46

Instrument :
 BNA_F
 ClientSampleId :
 B-9(0-10)COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9#
138	26.1	21.8	32.8

Manual Integrations
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