

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101798.D
 Acq On : 28 Dec 2017 13:23
 Operator : SJ/JU
 Sample : I7064-17
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-9

Manual Integrations
 APPROVED

Sohil
 12/29/2017 11:55:03 AM

Quant Time: Dec 28 13:57:56 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	145834	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	560604	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	228356	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	347621	20.00	ng	0.00
75) Chrysene-d12	13.96	240	276696	20.00	ng	0.00
86) Perylene-d12	15.44	264	256686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1045090	106.75	ng	0.00
7) Phenol-d6	6.43	99	1244017	102.10	ng	0.00
23) Nitrobenzene-d5	7.36	82	776478	77.10	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	211441	96.09	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1097664	74.57	ng	0.00
78) Terphenyl-d14	12.89	244	747182	65.10	ng	0.00
Target Compounds						
10) Phenol	6.45	94	63801	4.594	ng	Qvalue # 76
49) Dimethylphthalate	9.53	163	137124	7.465	ng	98
70) Phenanthrene	11.33	178	176670	9.139	ng	98
71) Anthracene	11.39	178	50809	2.573	ng	96
74) Fluoranthene	12.53	202	345914	17.047	ng	97
77) Pyrene	12.76	202	337396	16.248	ng	99
80) Benzo(a)anthracene	13.96	228	184043	10.073	ng	98
82) Chrysene	13.99	228	175704	10.185	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	82031	5.340	ng	# 91
87) Benzo(b)fluoranthene	15.01	252	196890m	12.584	ng	
88) Benzo(k)fluoranthene	15.04	252	77290m	5.081	ng	
89) Benzo(a)pyrene	15.38	252	136180	9.442	ng	# 94
90) Dibenzo(a,h)anthracene	16.92	278	25103	2.027	ng	# 73
91) Benzo(g,h,i)perylene	17.38	276	78364	6.391	ng	97

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

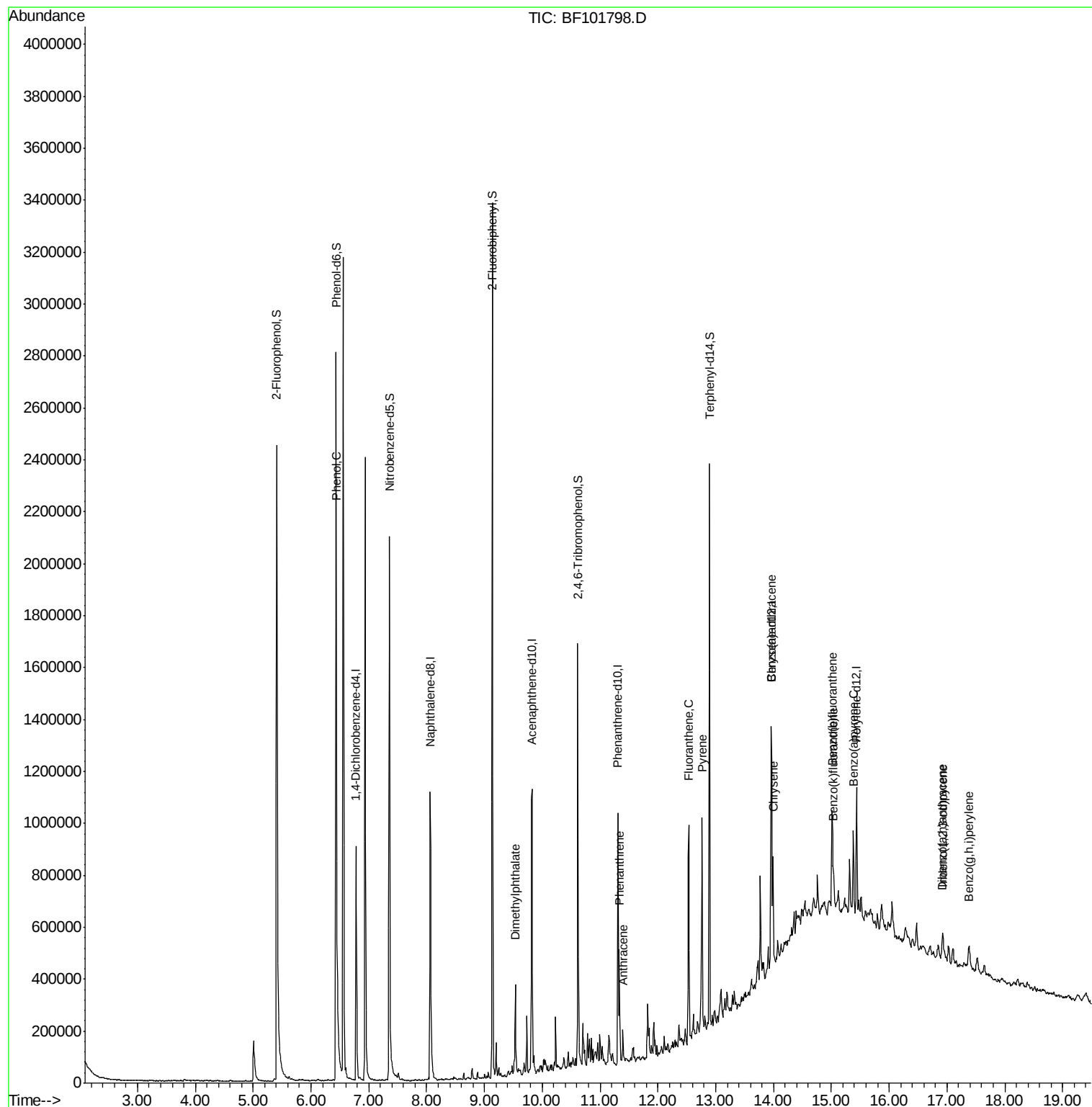
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
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#1

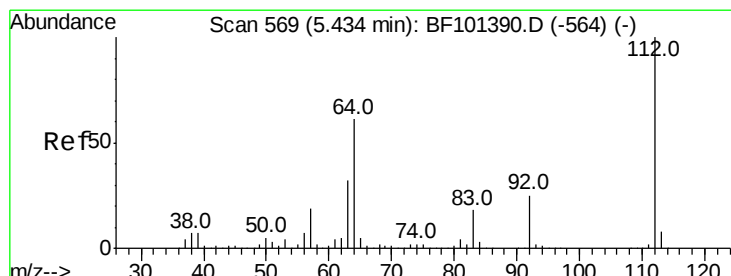
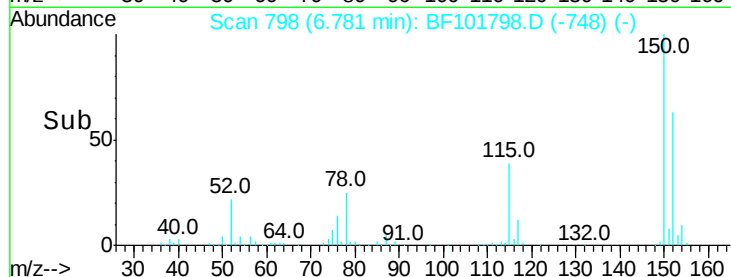
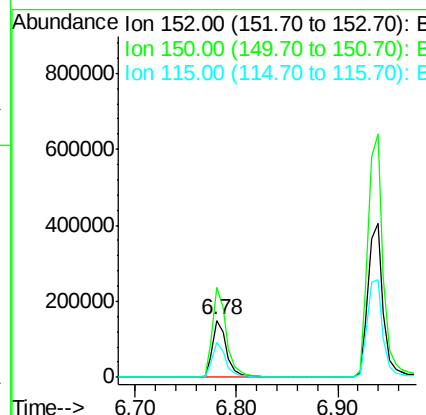
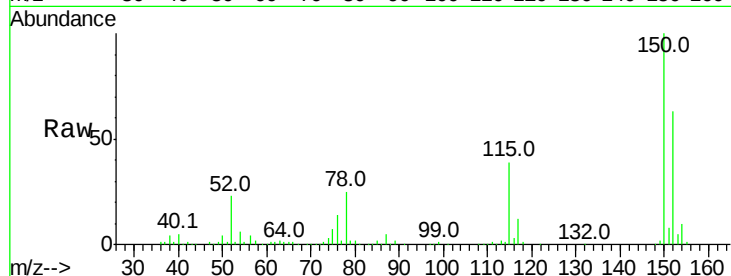
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Instrument :
BNA_F
ClientSampleId :
SAMPLE-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	61.7	50.1	75.1

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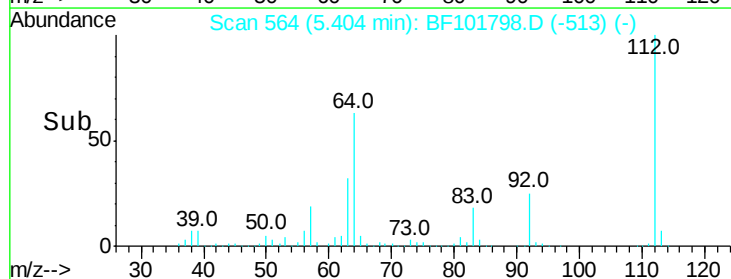
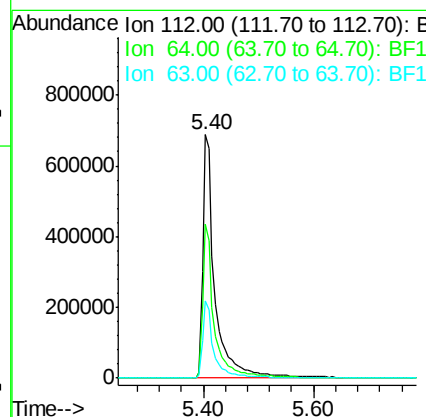
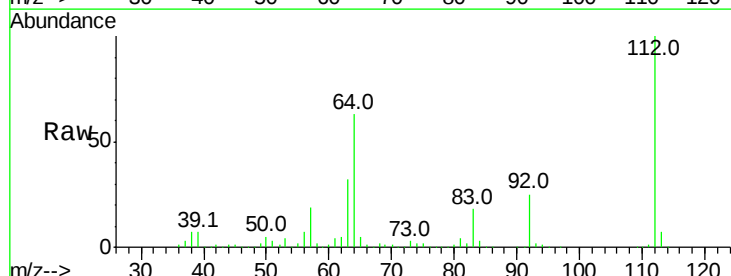
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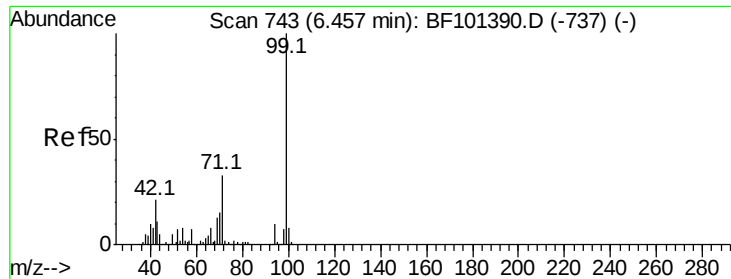


#5

2-Fluorophenol
Concen: 106.748 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	47.9	71.9
63	32.0	23.7	35.5





#7

Phenol-d6

Concen: 102.099 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Instrument :

BNA_F

ClientSampleId :

SAMPLE-9

Tot Ion: 99 Resp: 1244017

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

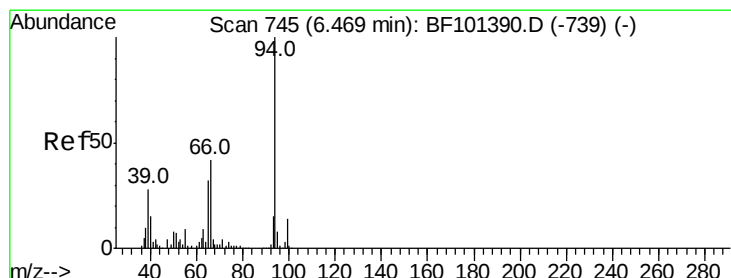
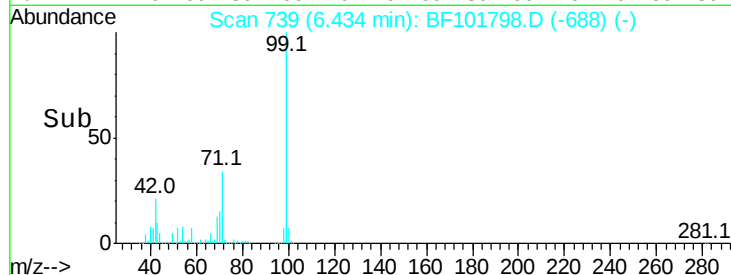
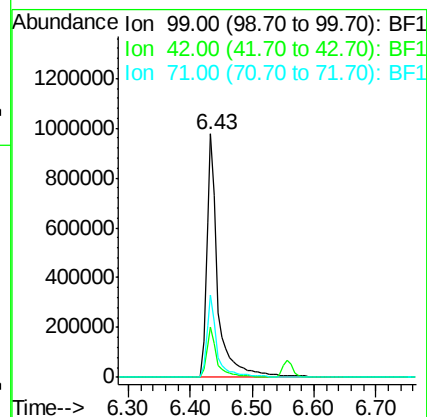
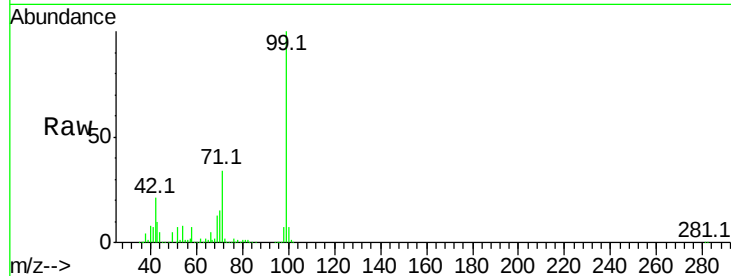
71 34.0 25.4 38.0

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#10

Phenol

Concen: 4.594 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

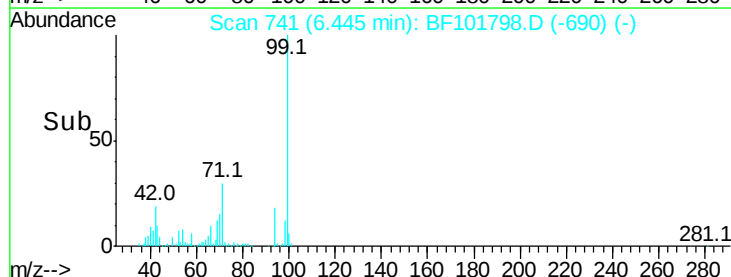
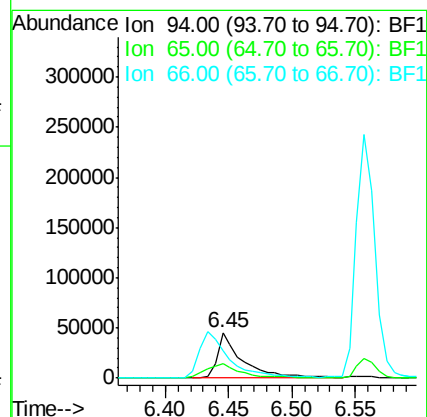
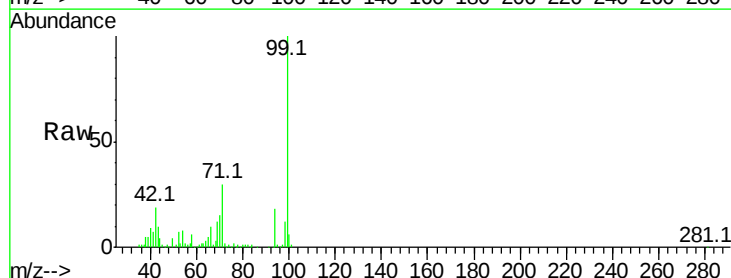
Tgt Ion: 94 Resp: 63801

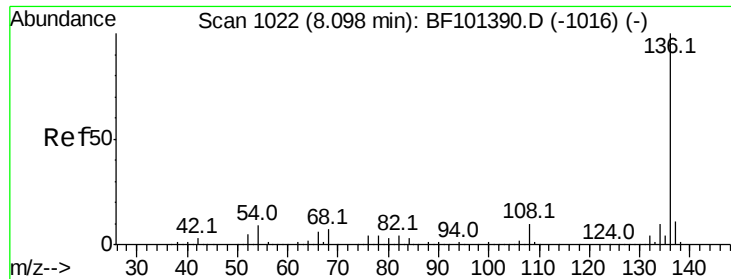
Ion Ratio Lower Upper

94 100

65 31.1 7.9 47.9

66 58.6 16.2 56.2#





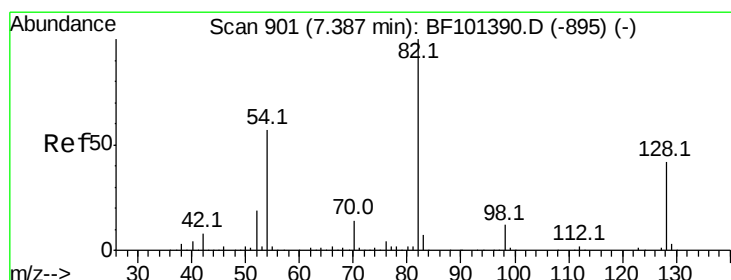
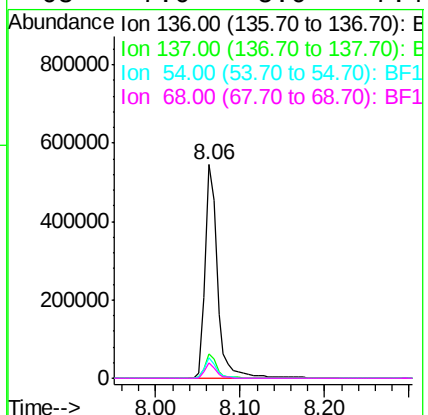
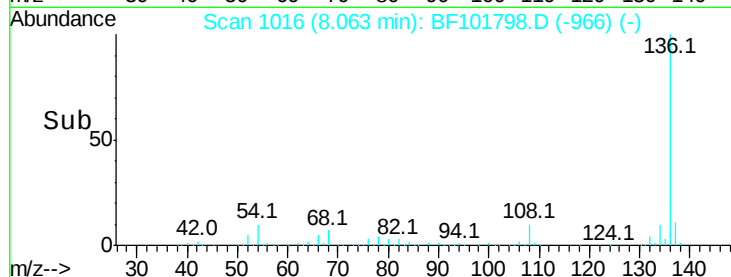
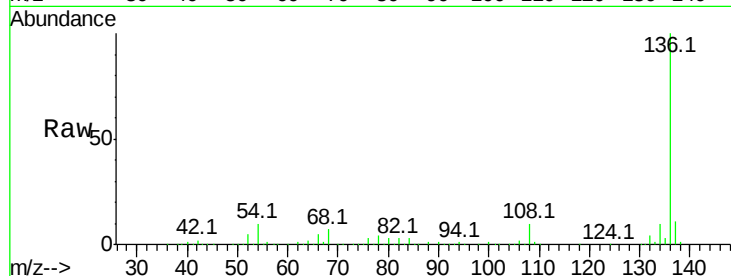
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Instrument :
BNA_F
ClientSampleId :
SAMPLE-9

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.9	13.3	
54	9.5	6.6	9.8	
68	7.0	5.0	7.4	

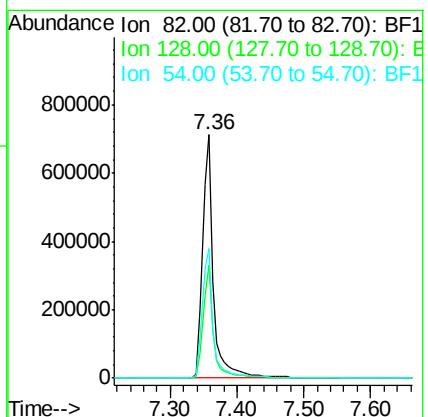
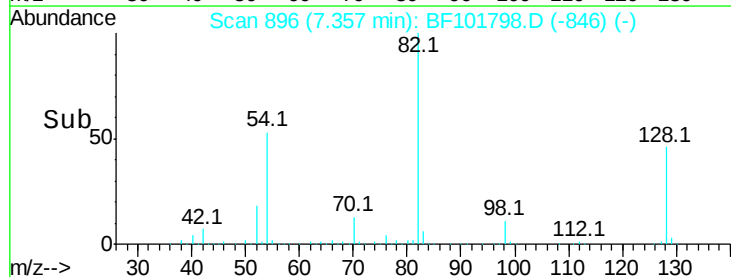
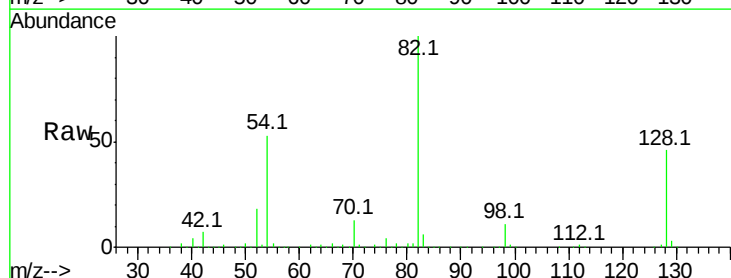
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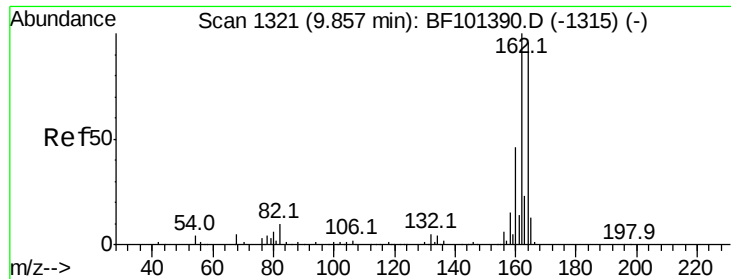
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#23
Nitrobenzene-d5
Concen: 77.101 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.4	36.1	54.1	
54	53.5	41.4	62.2	





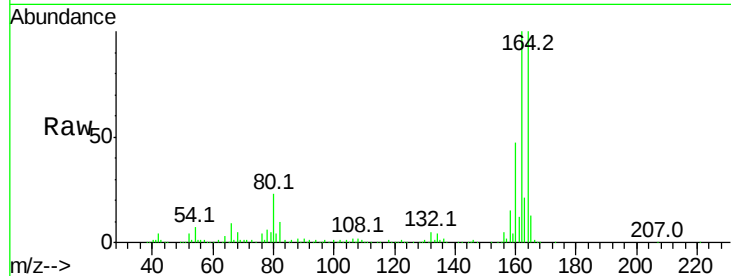
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Instrument :
BNA_F
ClientSampleId :
SAMPLE-9

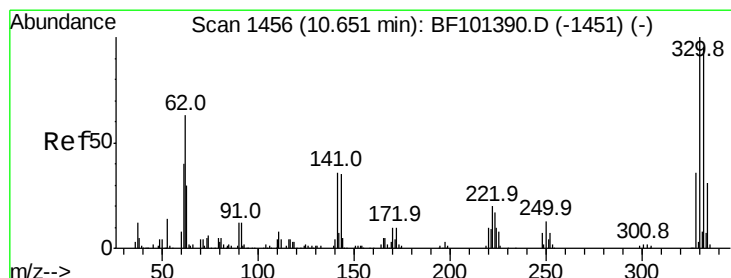
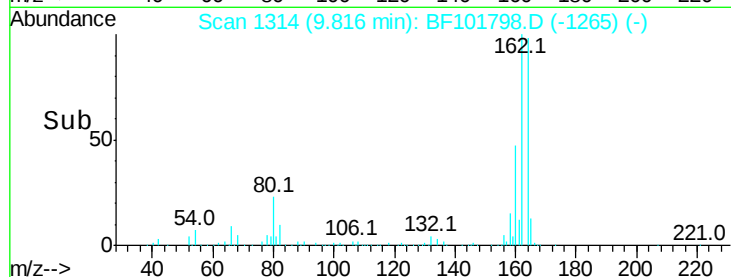
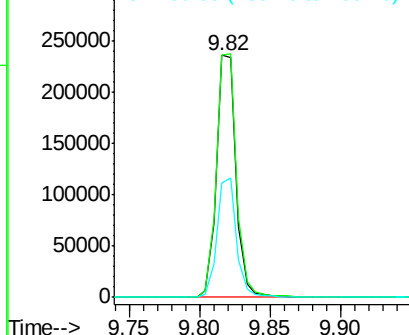
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.2	86.1	129.1	
160	47.1	38.3	57.5	

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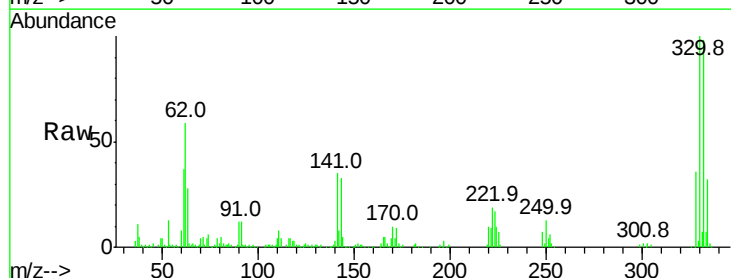


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

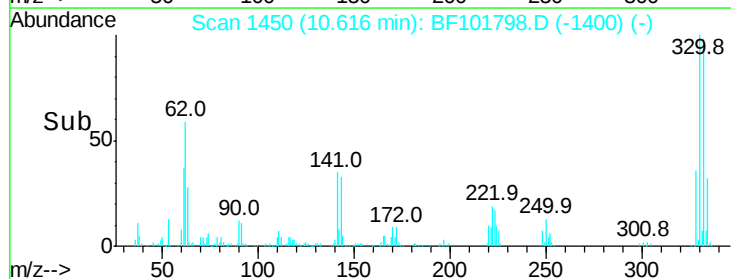
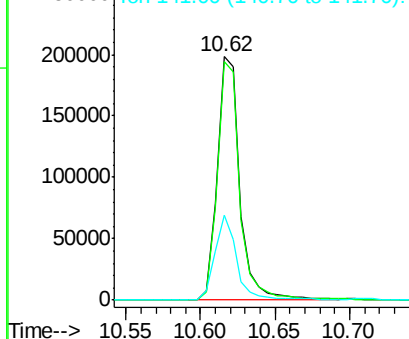


#41
2,4,6-Tribromophenol
Concen: 96.093 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.1	77.0	115.6	
141	32.6	29.9	44.9	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





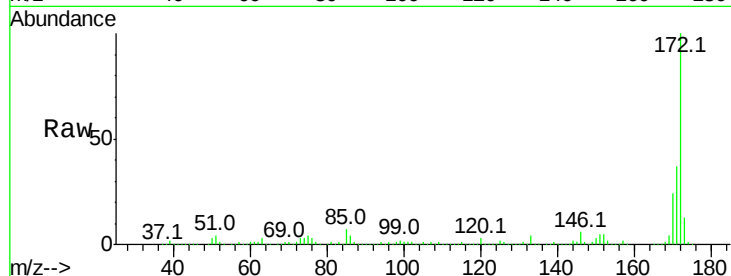
#44
2-Fluorobiphenyl
Concen: 74.565 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Instrument :
BNA_F
ClientSampleId :
SAMPLE-9

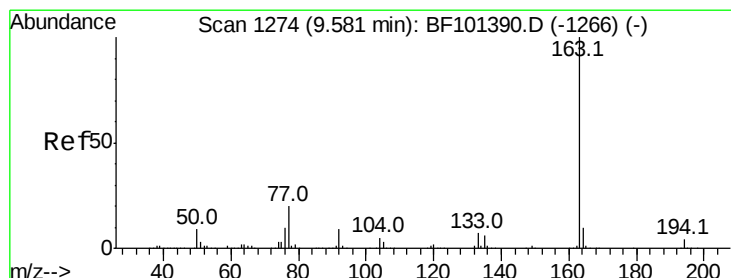
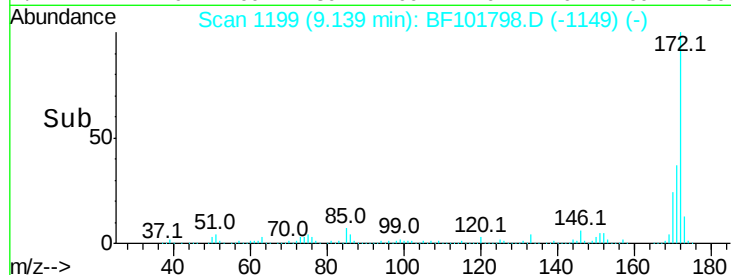
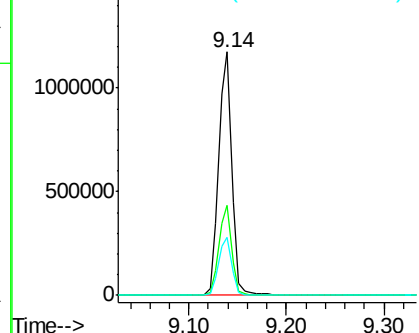
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.0	19.6	29.4

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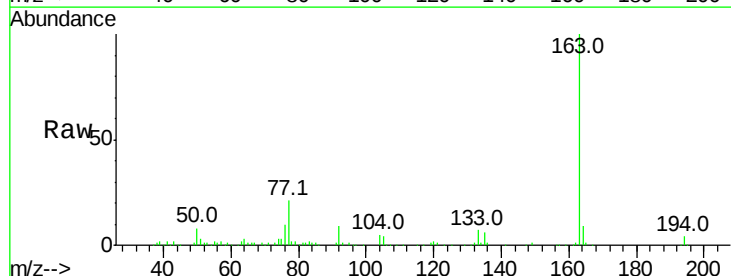


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

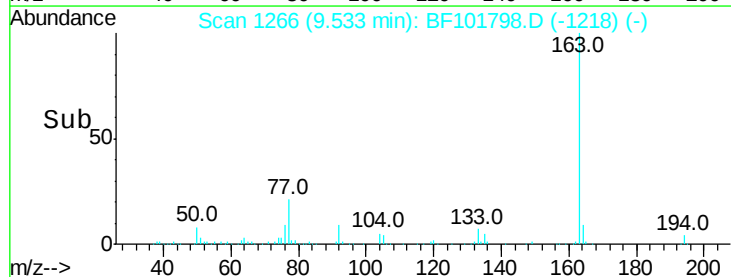
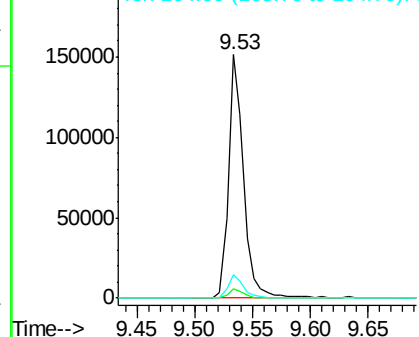


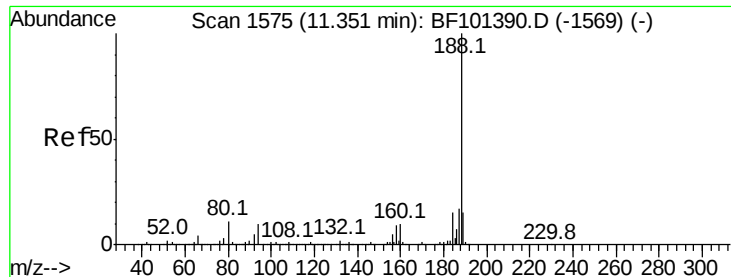
#49
Dimethylphthalate
Concen: 7.465 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.4	8.2	12.2



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Instrument :

BNA_F

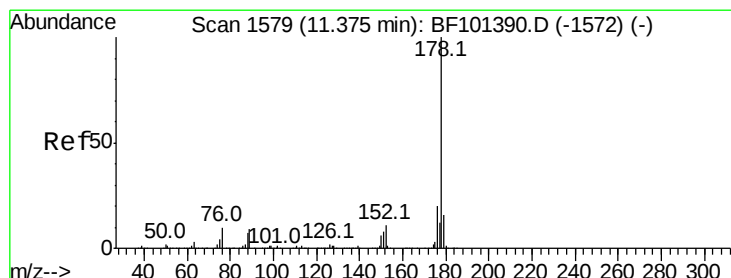
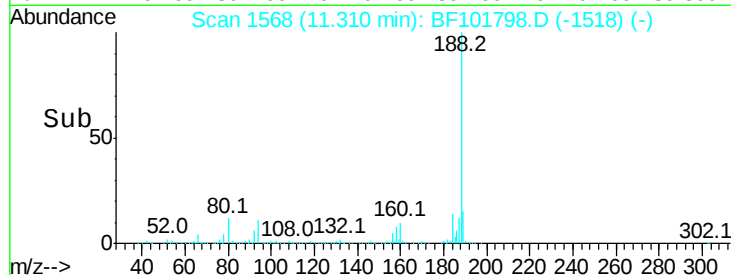
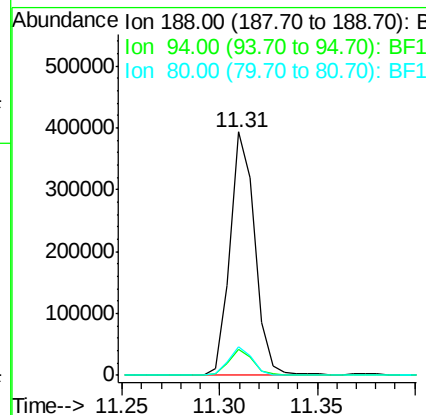
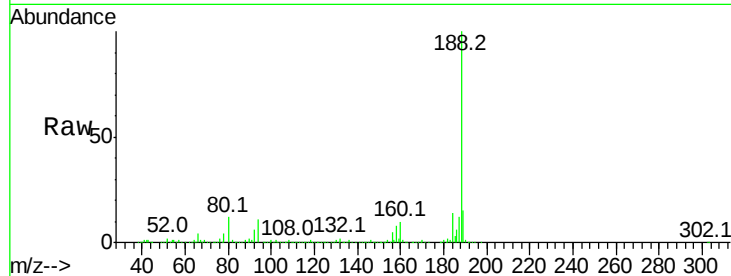
ClientSampled :

SAMPLE-9

Tot Ion:	188	Resp:	347621
Ion Ratio	Lower	Upper	
188	100		
94	10.8	8.5	12.7
80	11.7	9.2	13.8

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#70

Phenanthrene

Concen: 9.139 ng

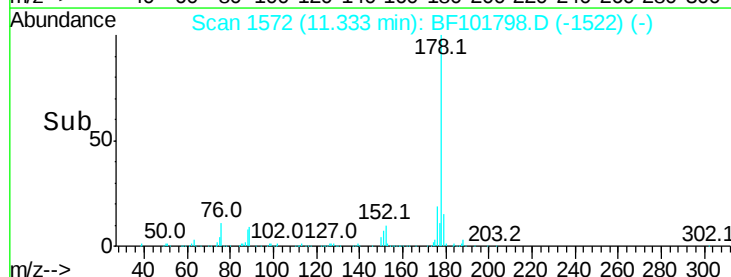
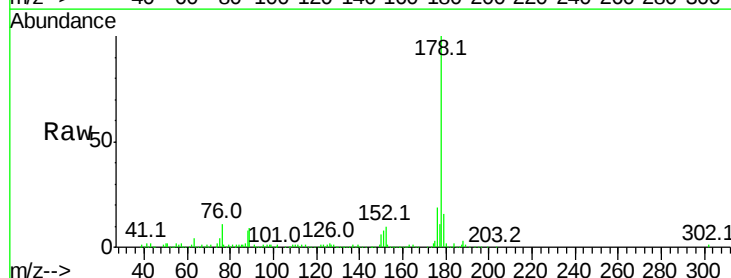
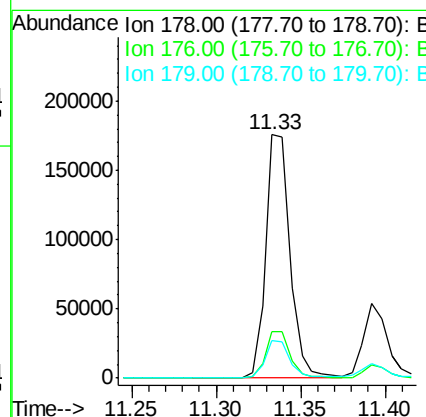
RT: 11.33 min Scan# 1572

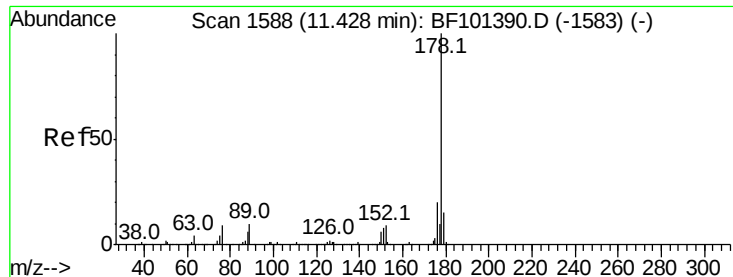
Delta R.T. -0.01 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Tgt Ion:	178	Resp:	176670
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	15.5	13.0	19.6





#71

Anthracene

Concen: 2.573 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Instrument :

BNA_F

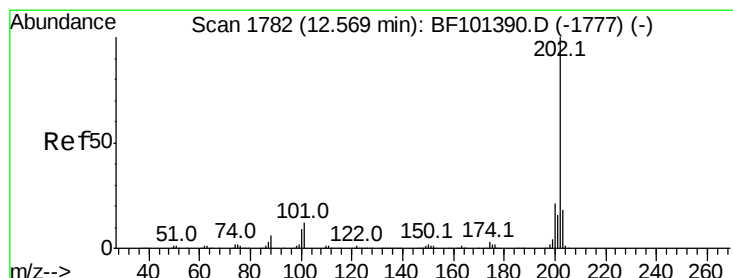
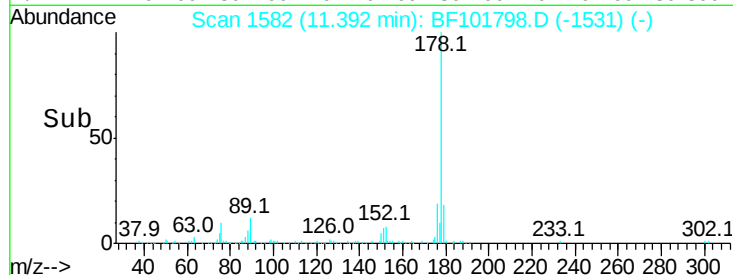
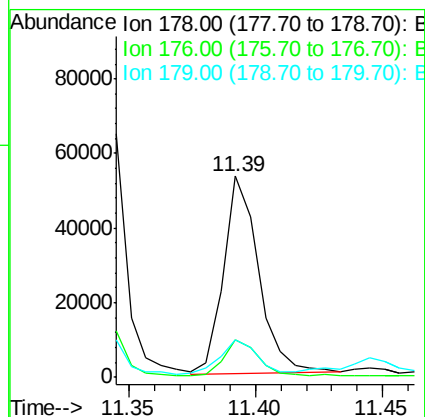
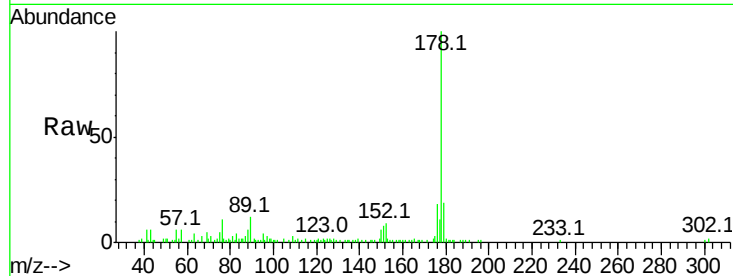
ClientSampleId :

SAMPLE-9

Tot Ion:178	Resp:	50809
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.4 23.2
179	18.8	12.6 19.0

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#74

Fluoranthene

Concen: 17.047 ng

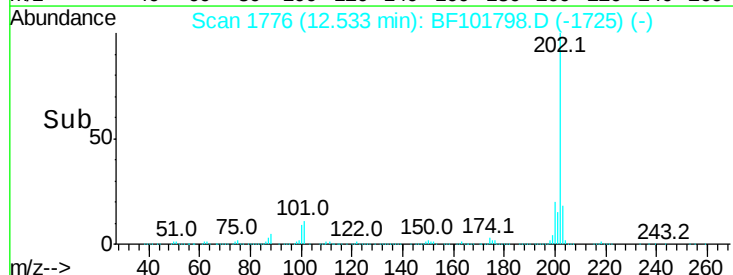
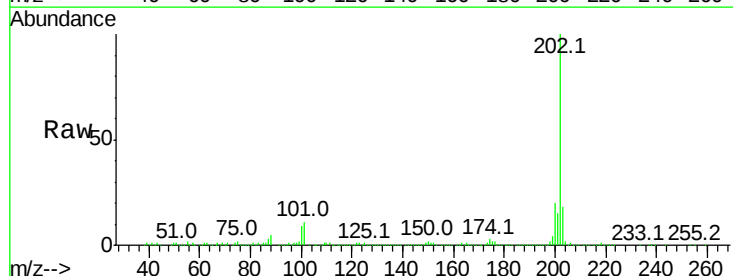
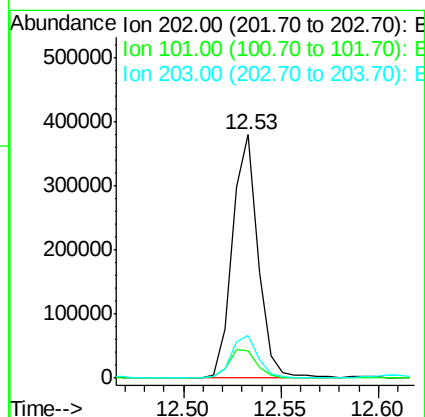
RT: 12.53 min Scan# 1776

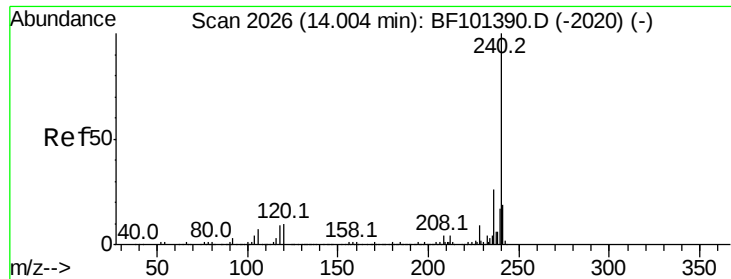
Delta R.T. -0.00 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Tgt Ion:202	Resp:	345914
Ion Ratio	Lower	Upper
202	100	
101	11.4	0.0 34.1
203	17.7	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: BF101798.D

Acq: 28 Dec 2017 13:23

Instrument :

BNA_F

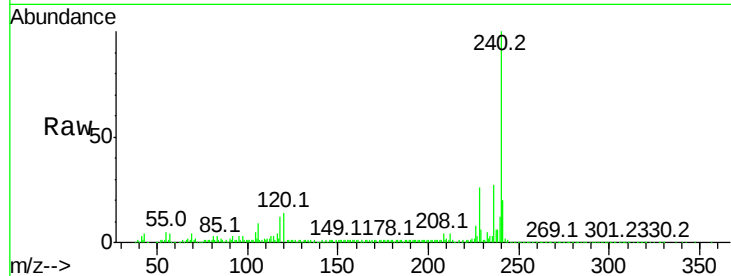
ClientSampleId :

SAMPLE-9

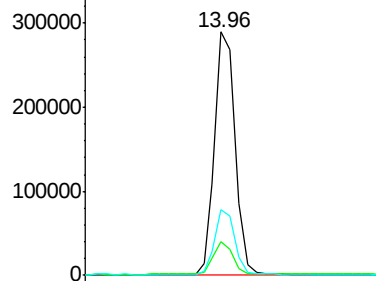
Tot Ion:	240	Resp:	276696
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	27.0	20.7	31.1

Manual Integrations
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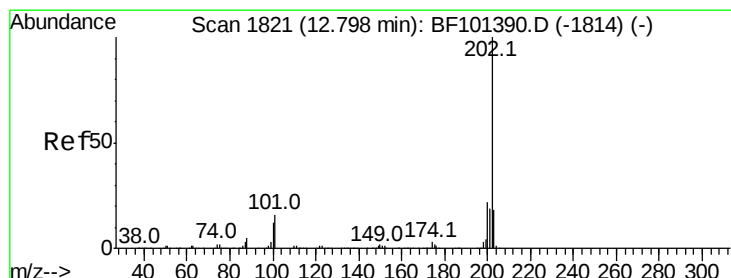
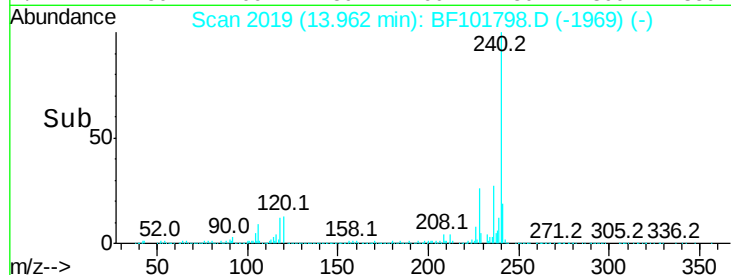
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 16.248 ng

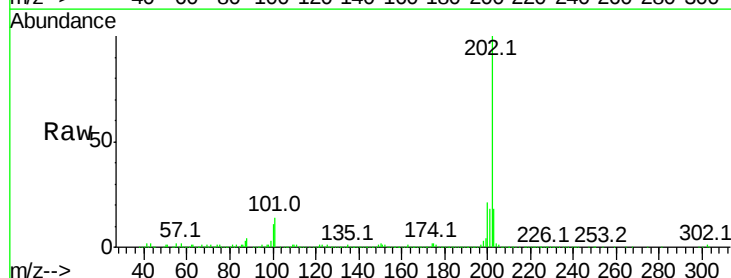
RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

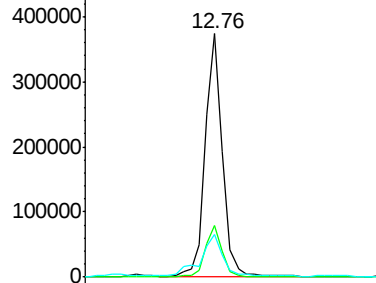
Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

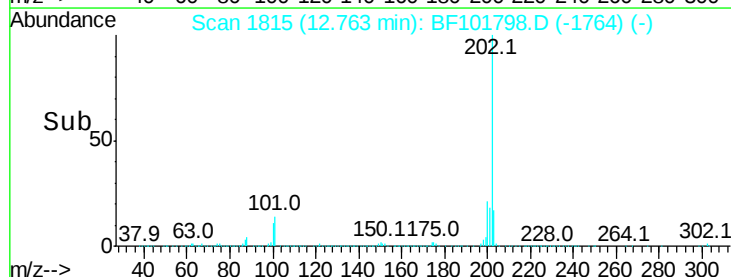
Tgt Ion:	202	Resp:	337396
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5

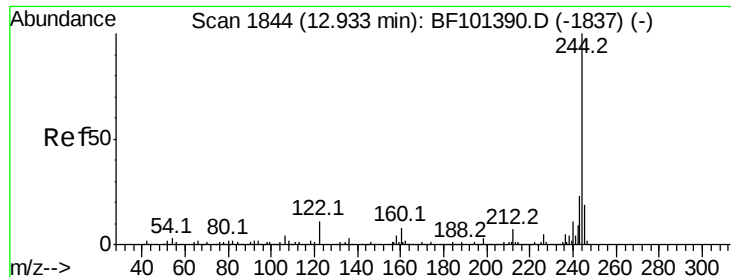


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 65.100 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Instrument :

BNA_F

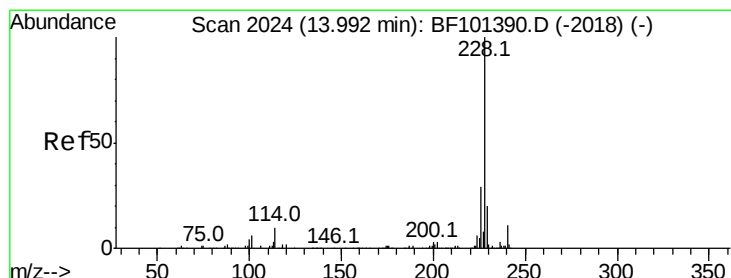
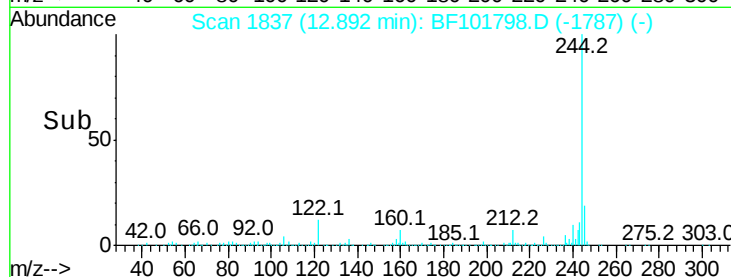
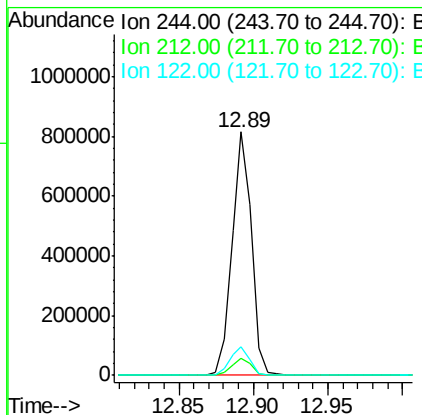
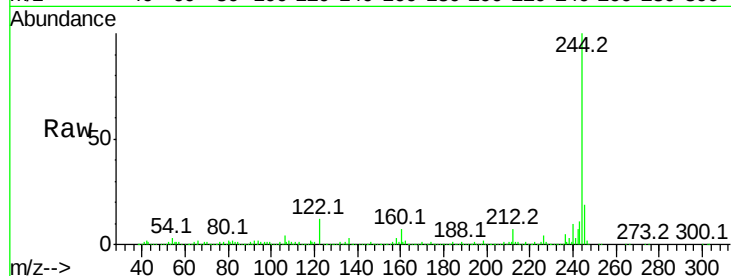
ClientSampled :

SAMPLE-9

Tot Ion:	244	Resp:	747182
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	11.9	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 10.073 ng

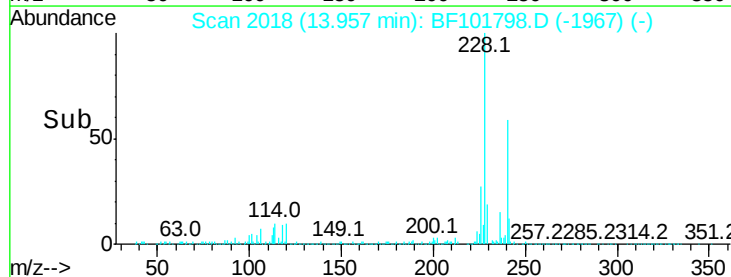
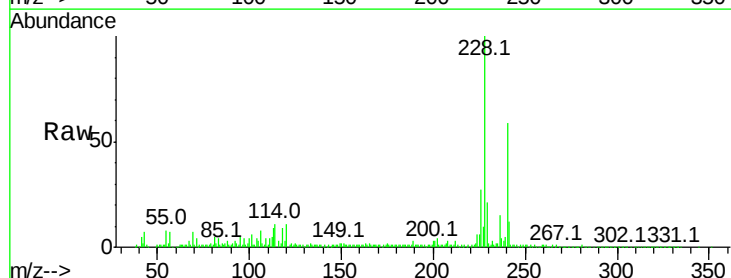
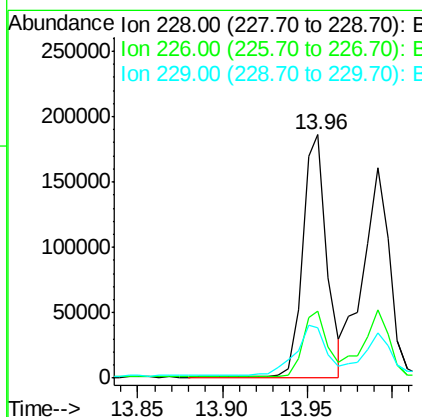
RT: 13.96 min Scan# 2018

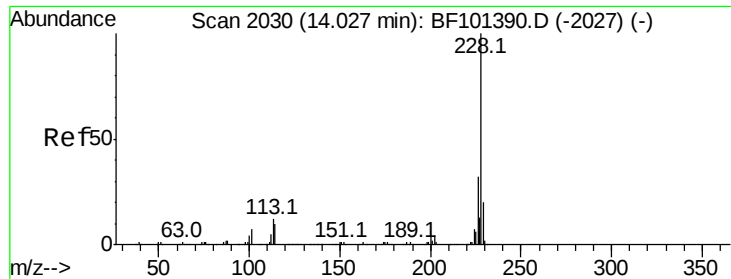
Delta R.T. -0.00 min

Lab File: BF101798.D

Acq: 28 Dec 2017 13:23

Tgt Ion:	228	Resp:	184043
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.6	33.8
229	20.8	15.8	23.6





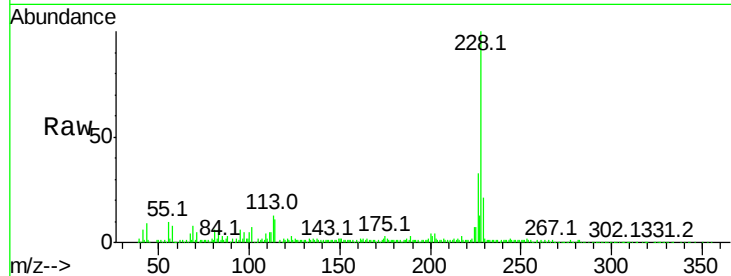
#82
Chrysene
Concen: 10.185 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Instrument :
BNA_F
ClientSampled :
SAMPLE-9

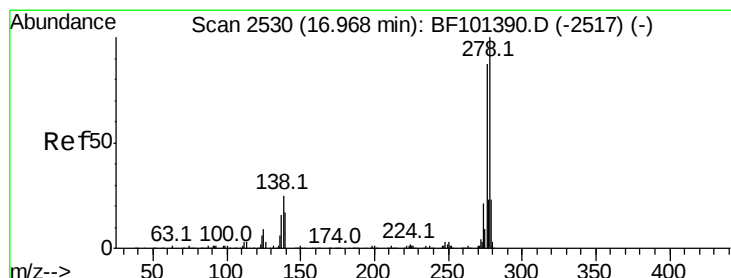
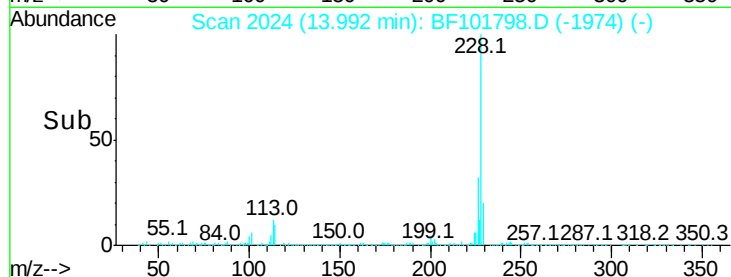
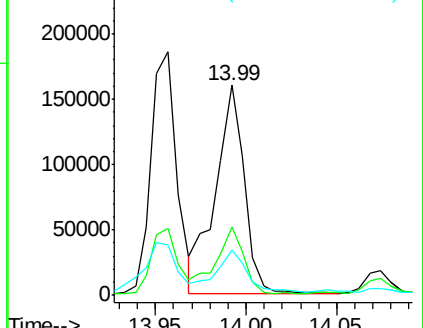
Tot Ion:	228	Resp:	175704
Ion Ratio	Lower	Upper	
228	100		
226	32.7	25.0	37.6
229	21.5	16.2	24.4

Manual Integrations
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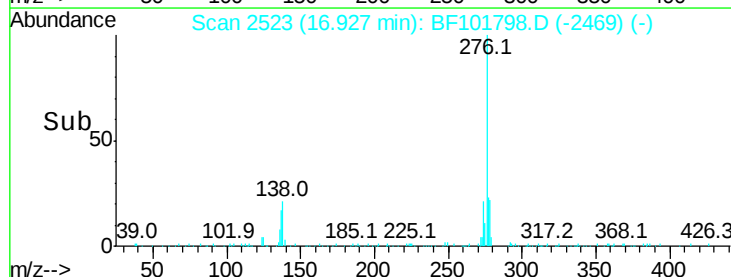
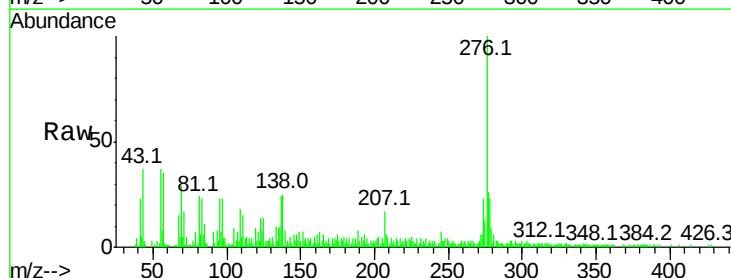
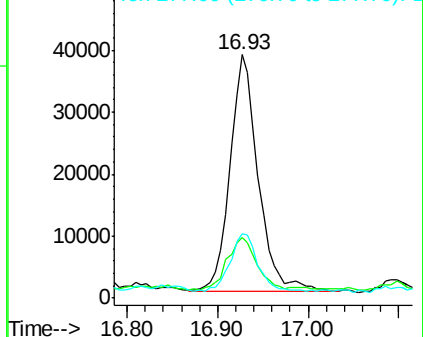
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

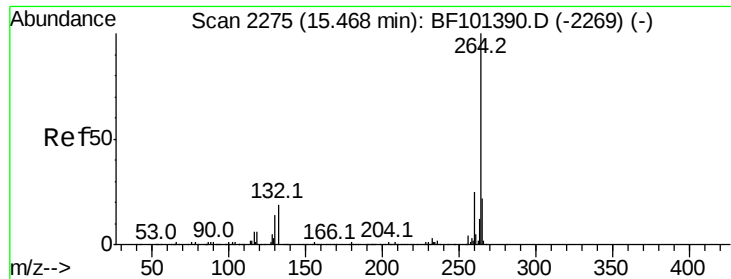


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.340 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion:	276	Resp:	82031
Ion Ratio	Lower	Upper	
276	100		
138	23.1	25.0	37.6#
277	24.7	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





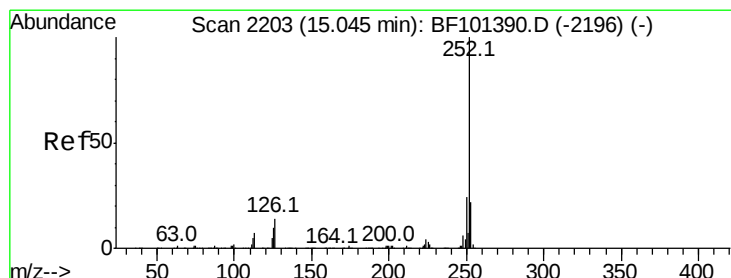
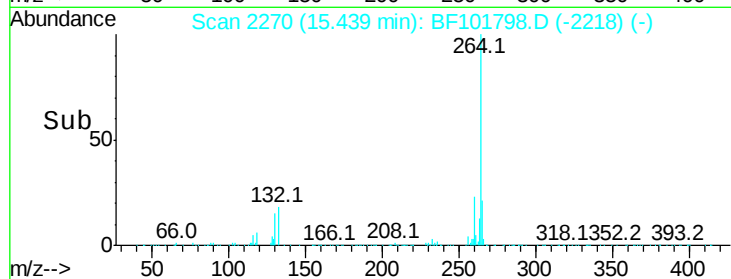
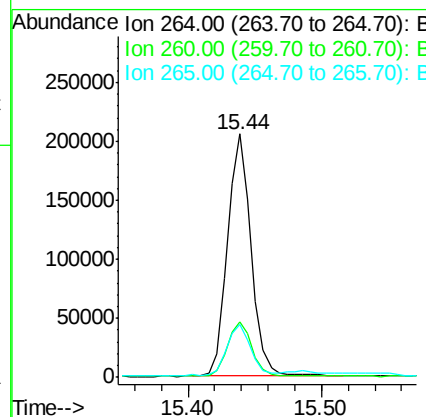
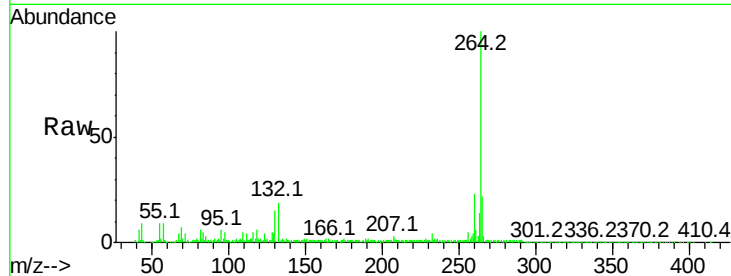
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Instrument :
BNA_F
ClientSampled :
SAMPLE-9

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.0	19.2	28.8	
265	21.8	17.5	26.3	

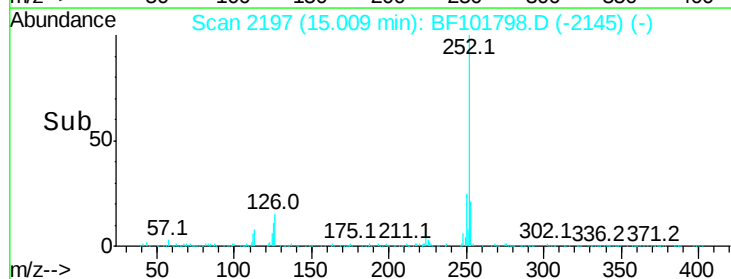
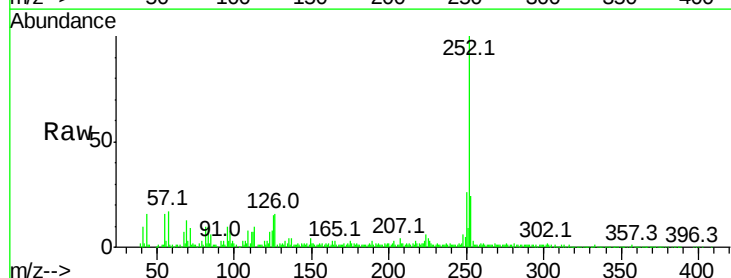
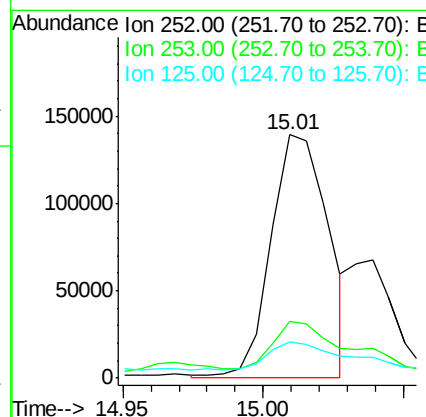
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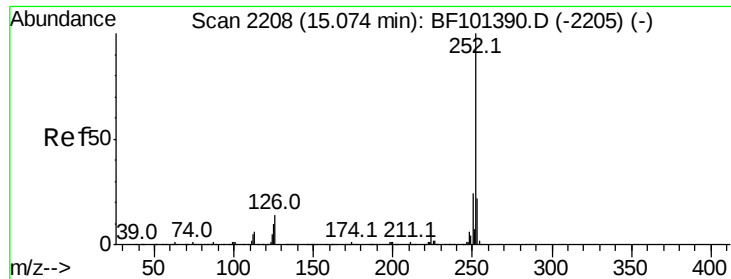
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#87
Benzo(b)fluoranthene
Concen: 12.584 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.5	17.0	25.6	
125	14.8	9.0	13.6	





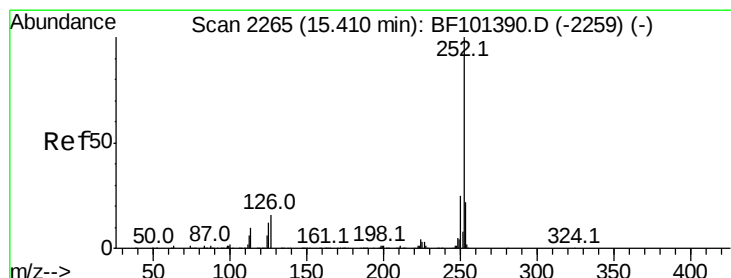
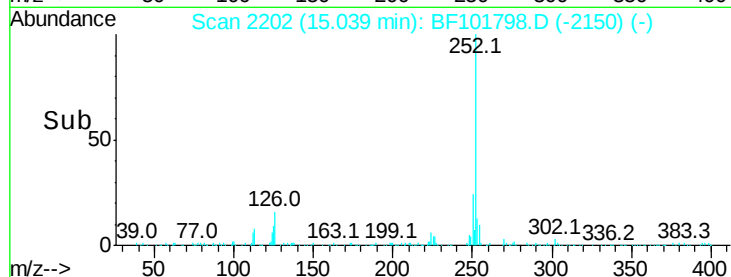
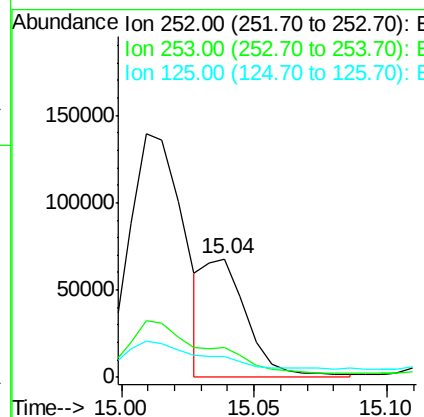
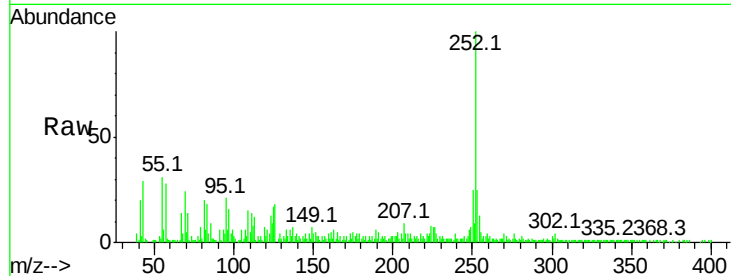
#88
Benzo(k)fluoranthene
Concen: 5.081 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Instrument :
BNA_F
ClientSampled :
SAMPLE-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	17.2	10.2	15.2

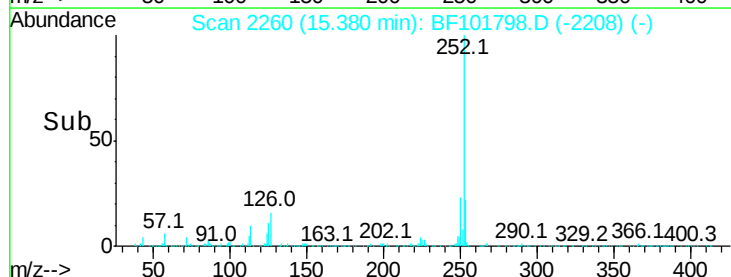
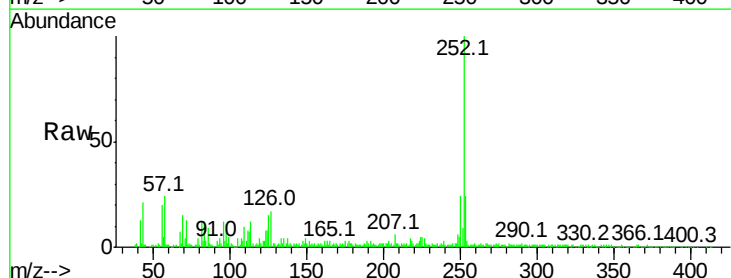
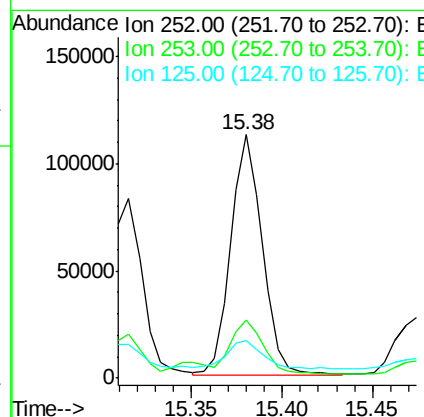
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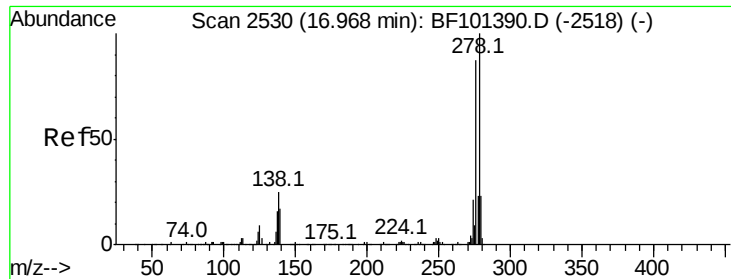
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#89
Benzo(a)pyrene
Concen: 9.442 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	15.4	9.8	14.6





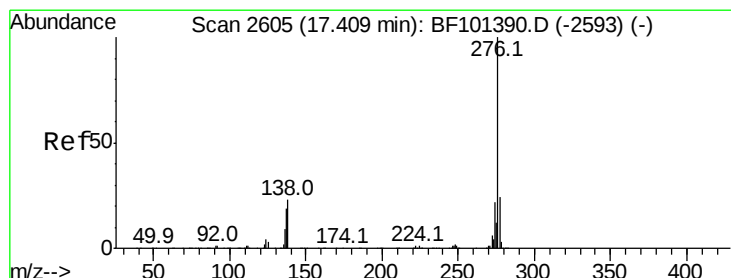
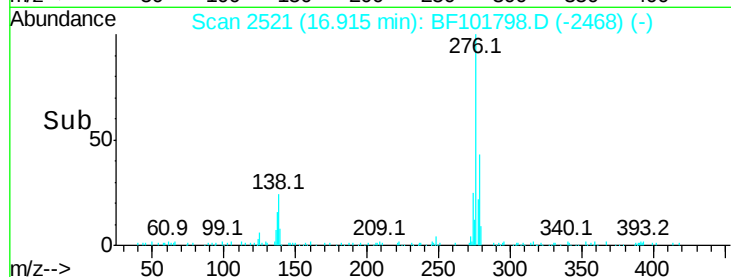
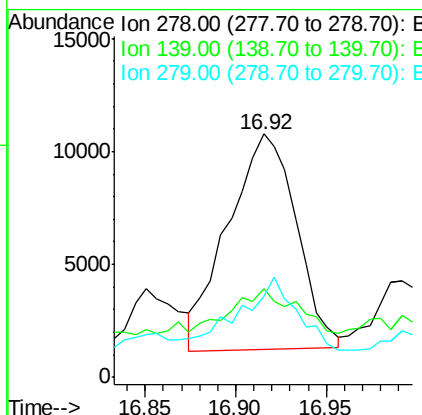
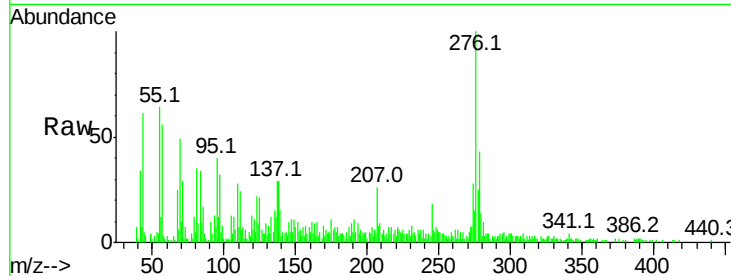
#90
Dibenzo(a,h)anthracene
Concen: 2.027 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Instrument :
BNA_F
ClientSampled :
SAMPLE-9

Tot Ion	Ratio	Lower	Upper
278	100		
139	36.6	15.9	23.9#
279	33.5	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.391 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.03 min
Lab File: BF101798.D
Acq: 28 Dec 2017 13:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	26.7	21.8	32.8

