

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101801.D
 Acq On : 28 Dec 2017 14:43
 Operator : SJ/JU
 Sample : I6970-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-0-5

Manual Integrations
 APPROVED

Sohil
 12/29/2017 11:55:07 AM

Quant Time: Dec 28 15:38:37 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	165607	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	625587	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	242449	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	363003	20.00	ng	0.00
75) Chrysene-d12	13.97	240	295722	20.00	ng	0.00
86) Perylene-d12	15.44	264	283863	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1103014	99.21	ng	0.00
7) Phenol-d6	6.43	99	1305261	94.34	ng	0.00
23) Nitrobenzene-d5	7.36	82	804068	71.55	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	217387	93.05	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1227165	78.52	ng	0.00
78) Terphenyl-d14	12.90	244	869479	70.88	ng	0.00
Target Compounds						
10) Phenol	6.45	94	56073	3.556	ng	Qvalue # 73
49) Dimethylphthalate	9.54	163	79767	4.090	ng	# 99
51) Acenaphthene	9.85	154	43608	2.793	ng	99
57) Fluorene	10.37	166	51033	3.041	ng	98
70) Phenanthrene	11.34	178	566188	28.047	ng	99
71) Anthracene	11.39	178	194556	9.435	ng	99
74) Fluoranthene	12.53	202	734054	34.643	ng	98
77) Pyrene	12.77	202	804914	36.267	ng	99
80) Benzo(a)anthracene	13.96	228	391401	20.044	ng	98
82) Chrysene	13.99	228	337010	18.279	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	137890	8.399	ng	# 90
87) Benzo(b)fluoranthene	15.02	252	364180m	21.048	ng	
88) Benzo(k)fluoranthene	15.04	252	92850m	5.519	ng	
89) Benzo(a)pyrene	15.38	252	268724	16.848	ng	95
90) Dibenzo(a,h)anthracene	16.92	278	36892m	2.694	ng	
91) Benzo(g,h,i)perylene	17.37	276	131670	9.710	ng	95

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

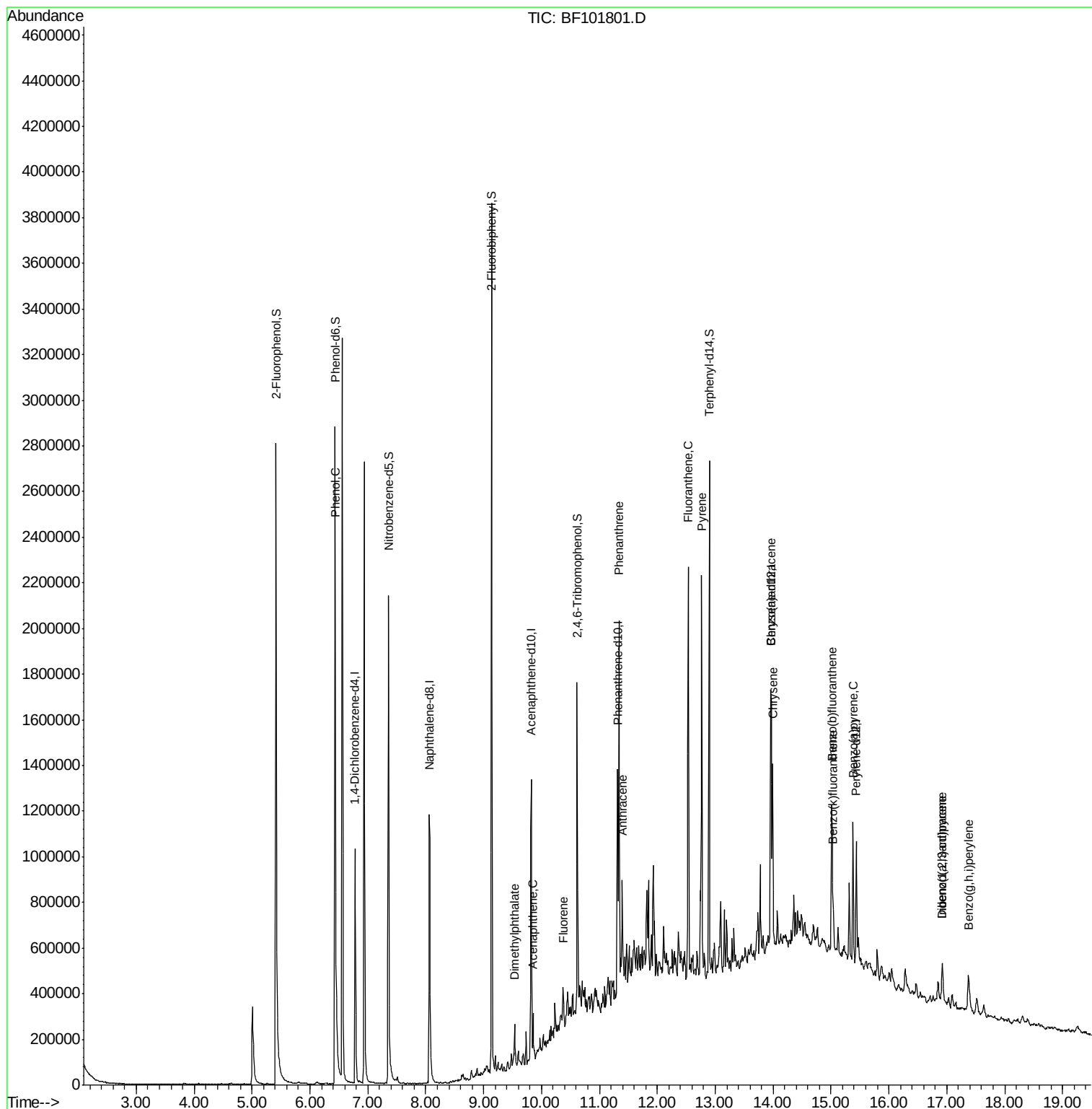
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101801.D
Acq On : 28 Dec 2017 14:43
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Misc :
ALS Vial : 8 Sample Multiplier: 1

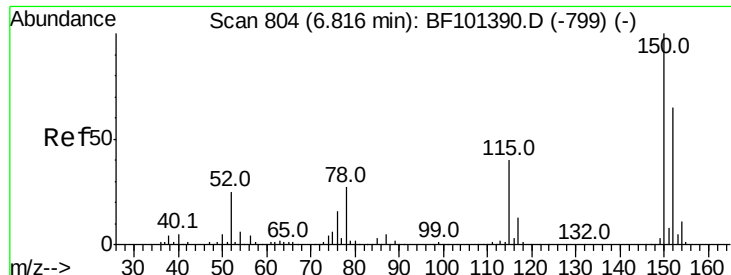
Instrument :
BNA_F
ClientSampleId :
S2-0-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

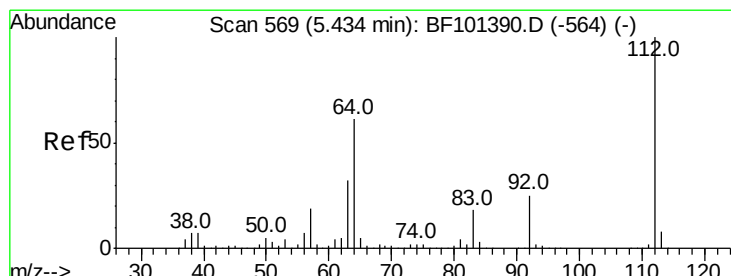
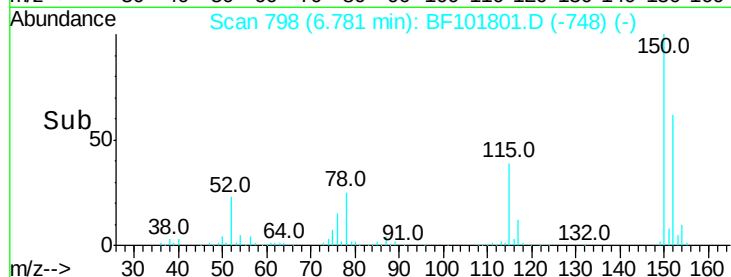
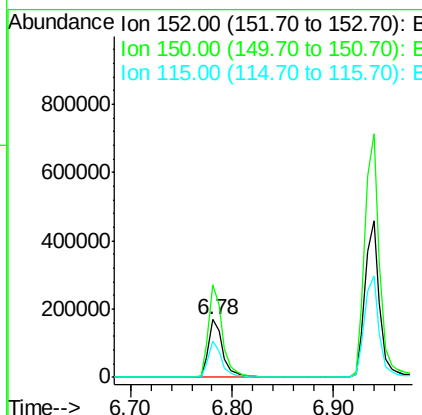
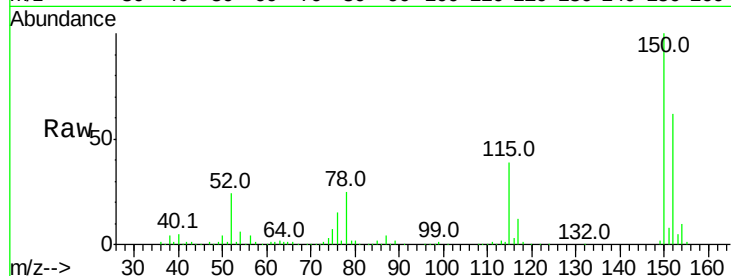
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Instrument :
BNA_F
ClientSampled :
S2-0-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	62.8	50.1	75.1

Manual Integrations
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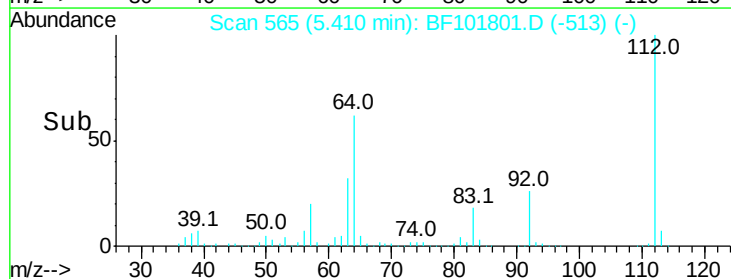
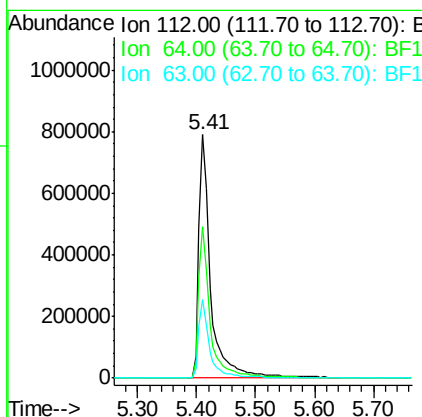
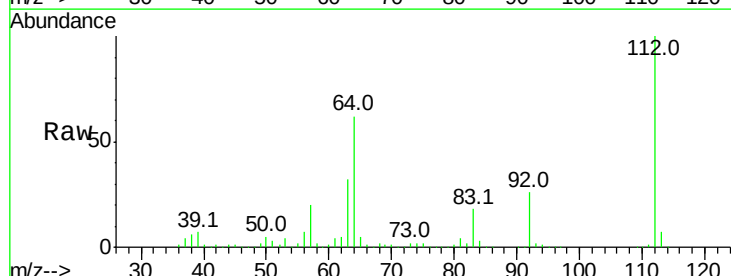
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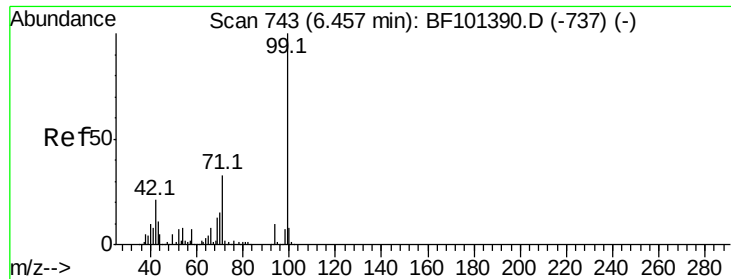


#5

2-Fluorophenol
Concen: 99.212 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.9	71.9
63	32.0	23.7	35.5





#7

Phenol-d6

Concen: 94.335 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

ClientSampled :

S2-0-5

Tot Ion: 99 Resp: 1305261

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

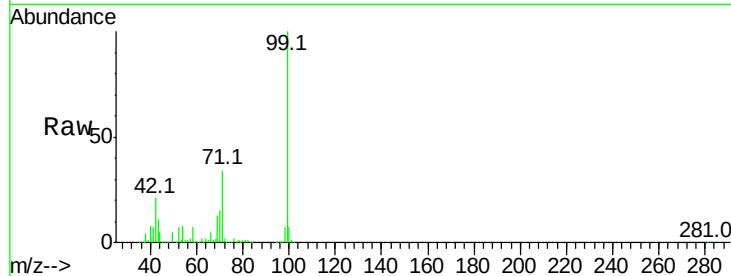
71 34.0 25.4 38.0

Manual Integrations

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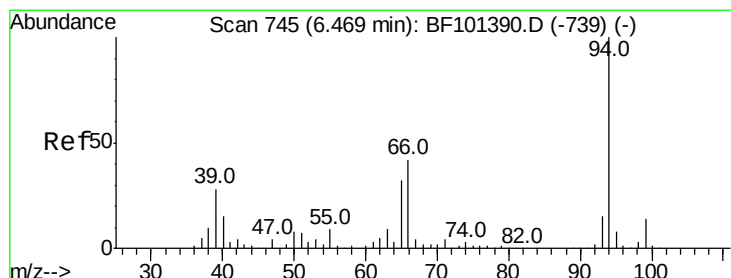
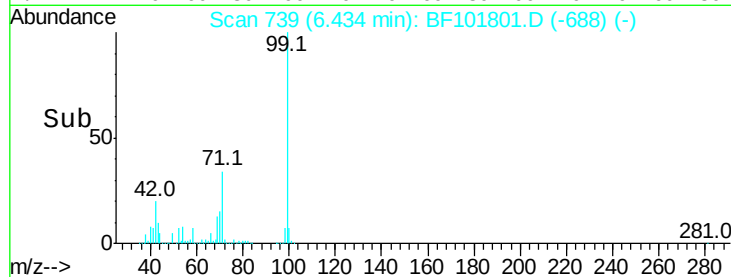
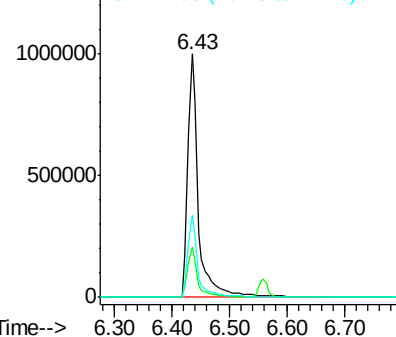
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.556 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

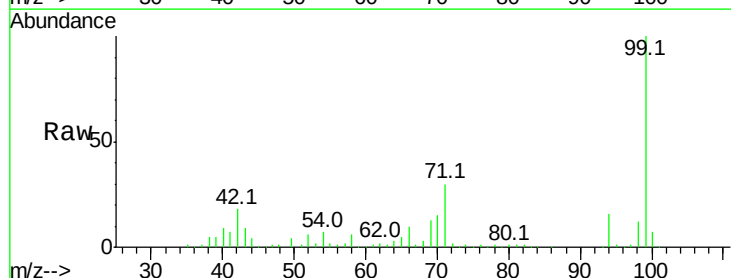
Tgt Ion: 94 Resp: 56073

Ion Ratio Lower Upper

94 100

65 31.6 7.9 47.9

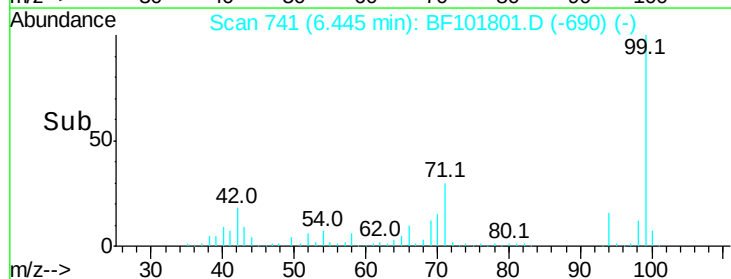
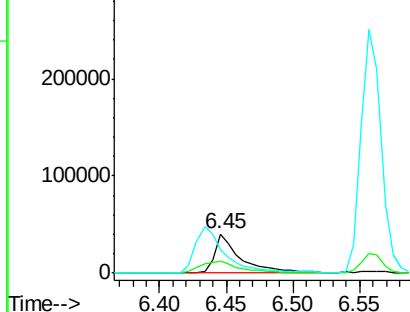
66 61.2 16.2 56.2#

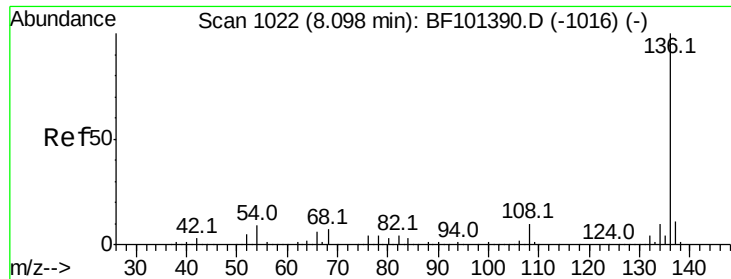


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





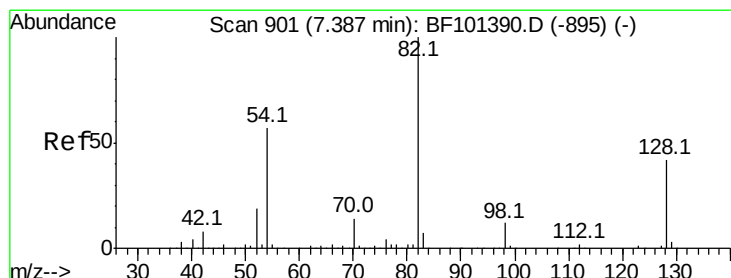
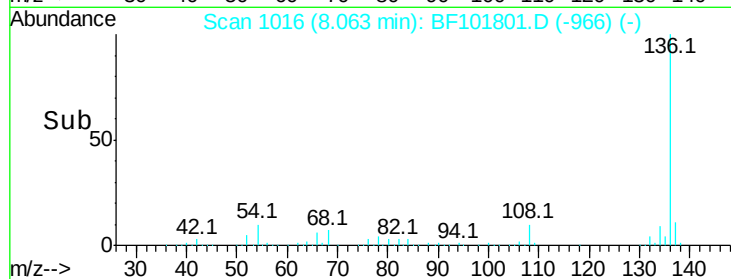
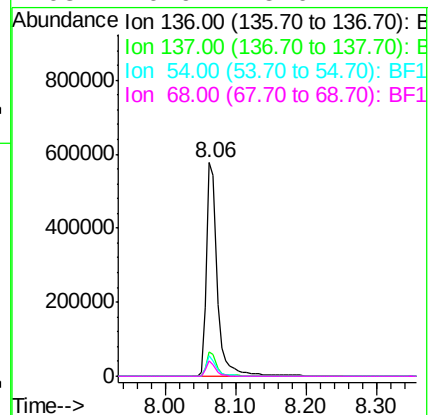
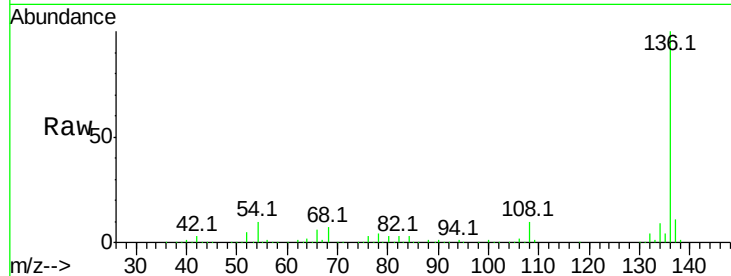
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Instrument :
BNA_F
ClientSampleId :
S2-0-5

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	9.6	6.6	9.8	
68	6.9	5.0	7.4	

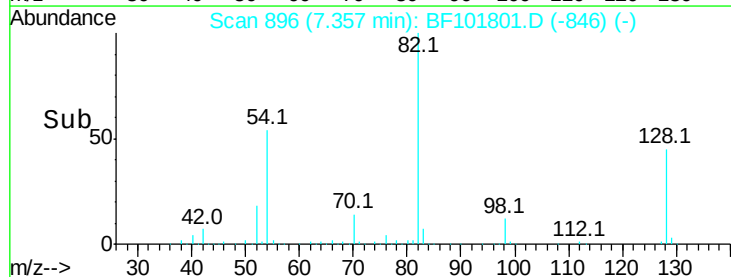
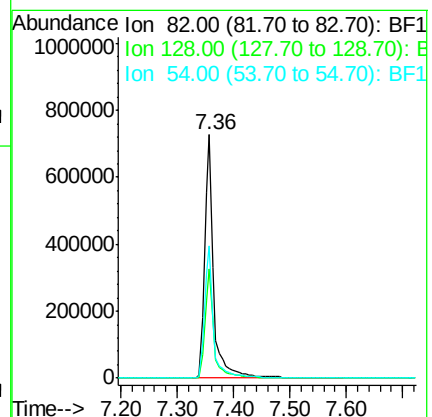
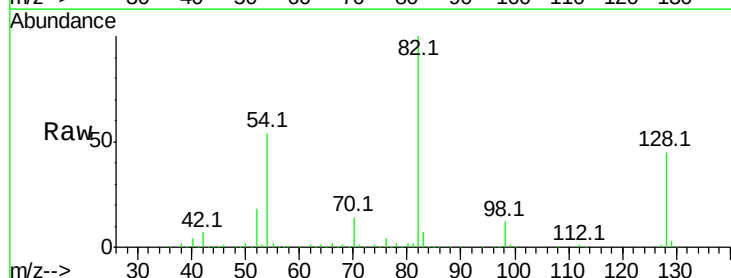
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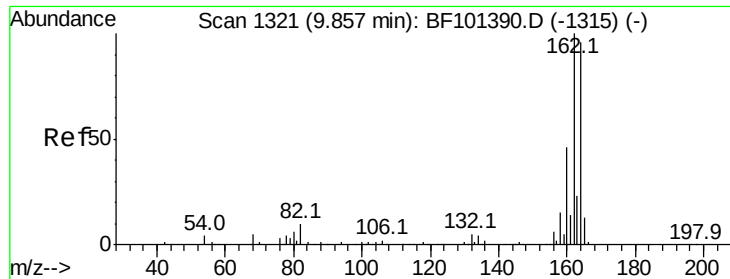
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#23
Nitrobenzene-d5
Concen: 71.547 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.8	36.1	54.1	
54	54.3	41.4	62.2	





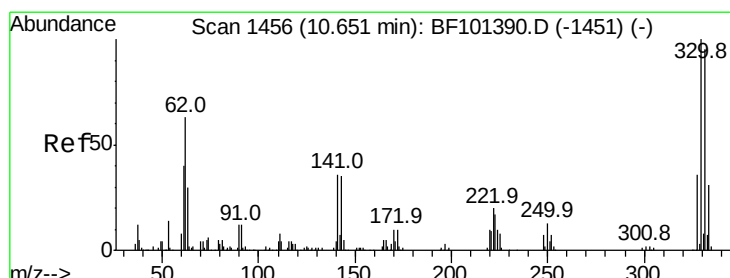
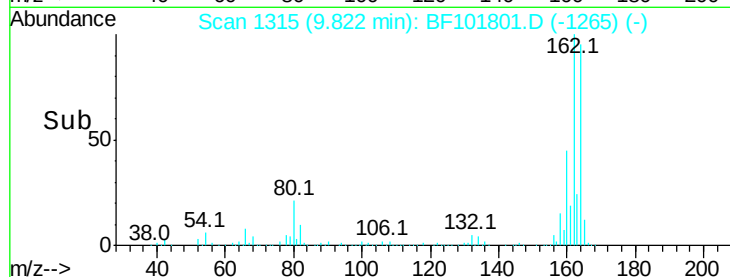
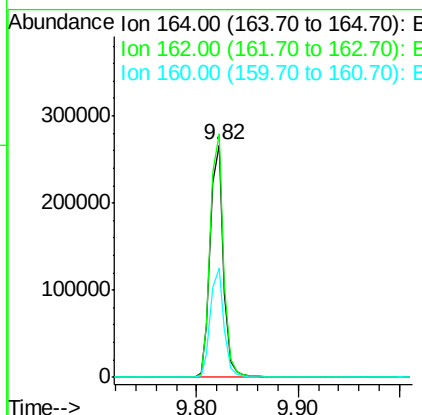
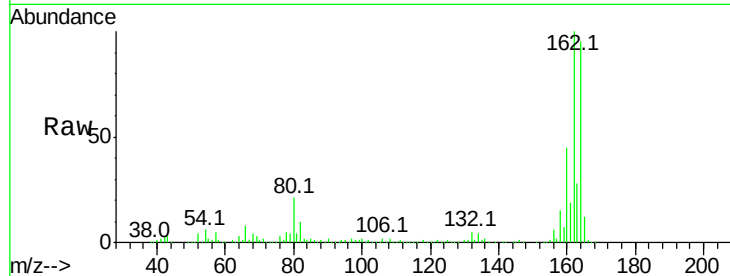
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Instrument :
BNA_F
ClientSampled :
S2-0-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	242449		
162	104.8	86.1	129.1	
160	47.3	38.3	57.5	

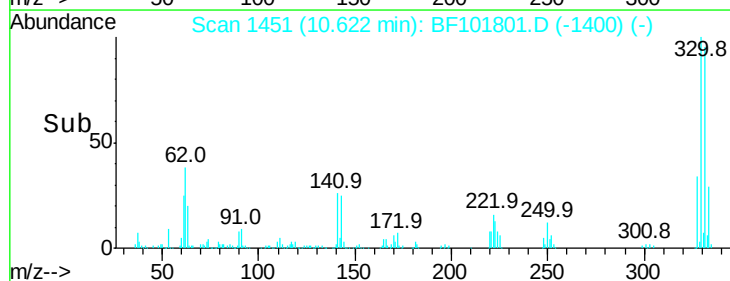
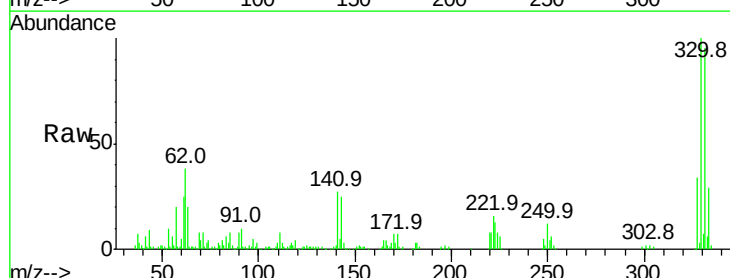
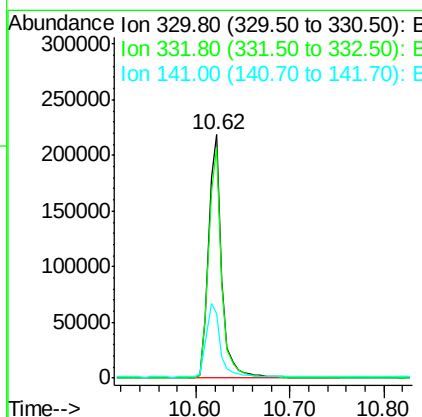
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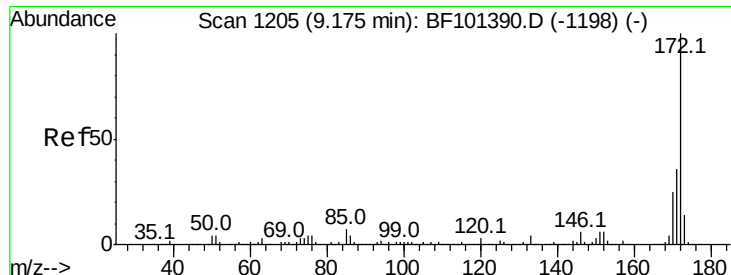
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#41
2,4,6-Tribromophenol
Concen: 93.052 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	217387		
332	95.0	77.0	115.6	
141	31.8	29.9	44.9	





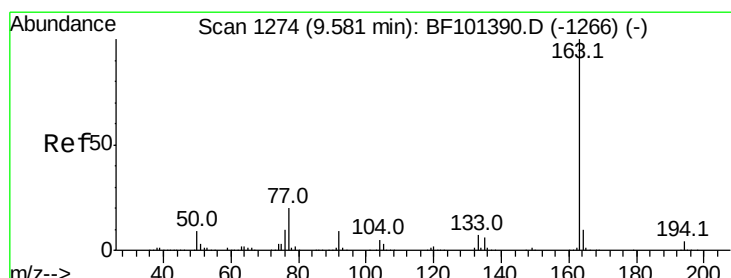
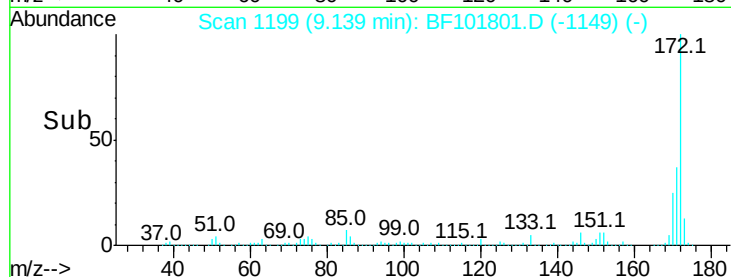
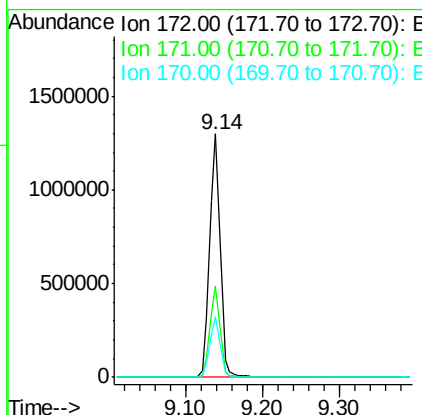
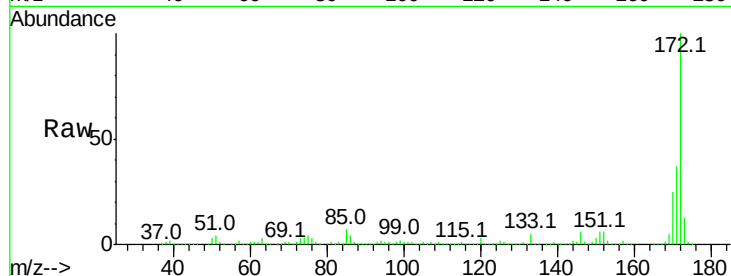
#44
2-Fluorobiphenyl
Concen: 78.517 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Instrument :
BNA_F
ClientSampleId :
S2-0-5

Tot Ion:172 Resp: 1227165
Ion Ratio Lower Upper
172 100
171 37.3 29.7 44.5
170 24.7 19.6 29.4

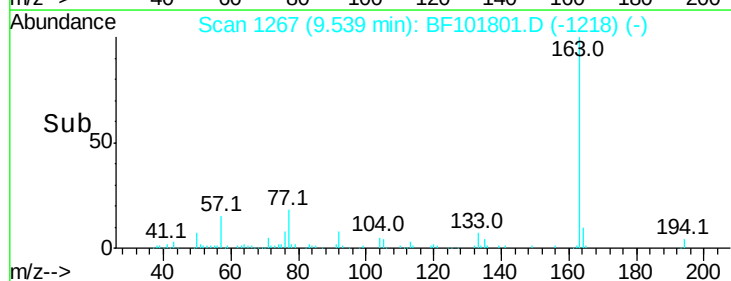
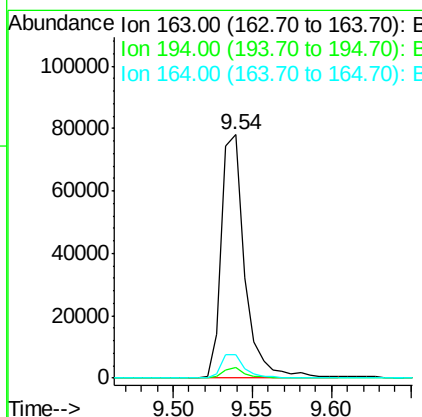
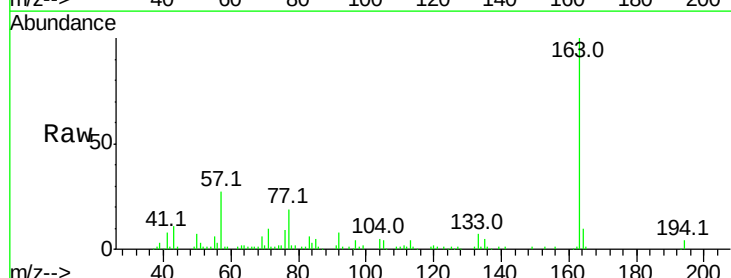
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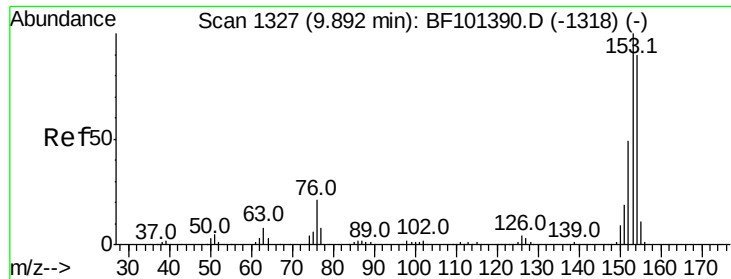
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#49
Dimethylphthalate
Concen: 4.090 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion:163 Resp: 79767
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 9.8 8.2 12.2





#51

Acenaphthene

Concen: 2.793 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

ClientSampleId :

S2-0-5

Tot Ion:154 Resp: 43608

Ion Ratio Lower Upper

154 100

153 112.6 91.2 136.8

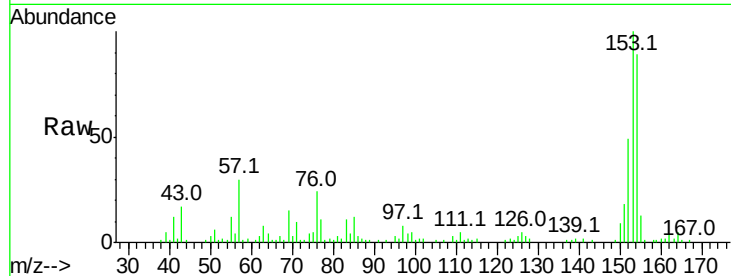
152 55.4 43.8 65.8

Manual Integrations

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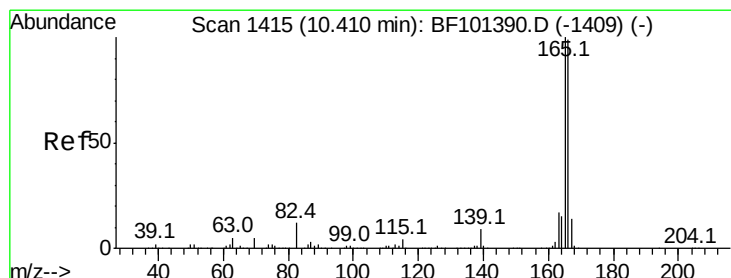
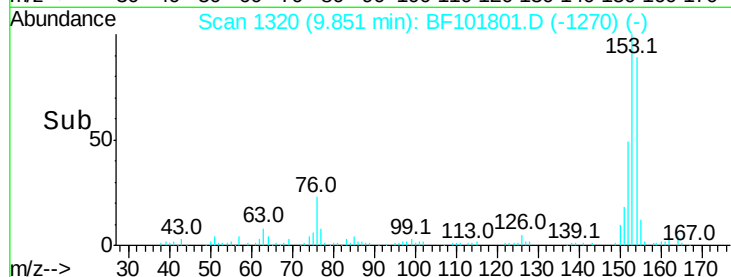
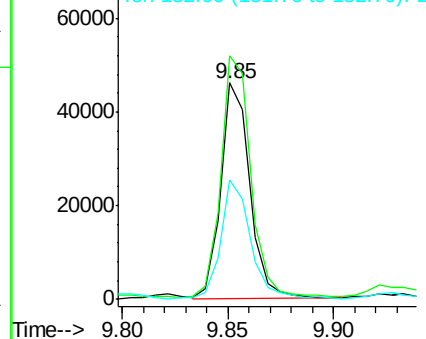
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.041 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

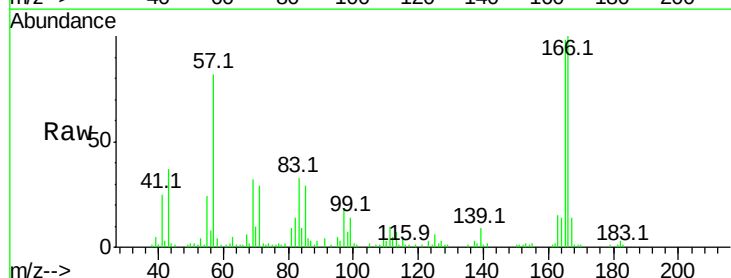
Tgt Ion:166 Resp: 51033

Ion Ratio Lower Upper

166 100

165 98.3 79.8 119.8

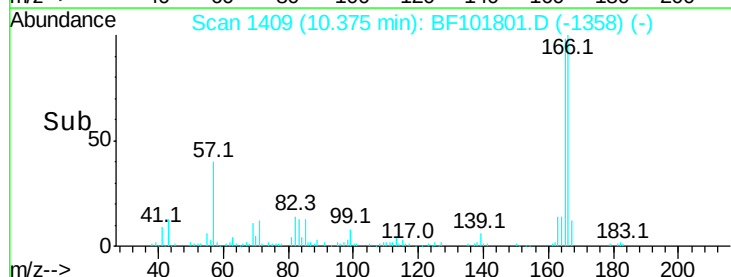
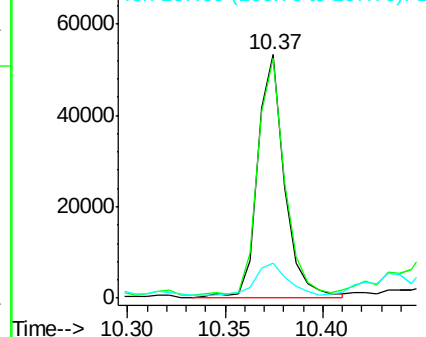
167 14.4 10.6 16.0

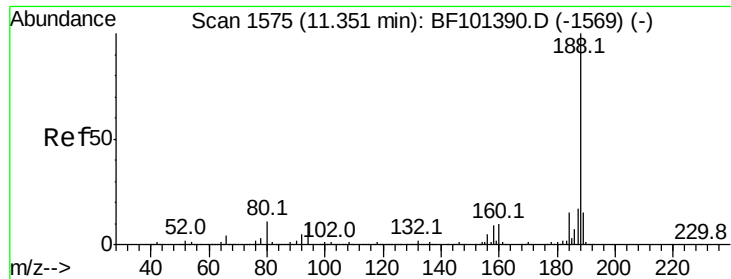


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





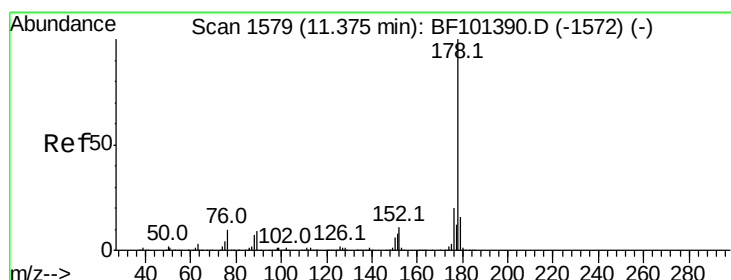
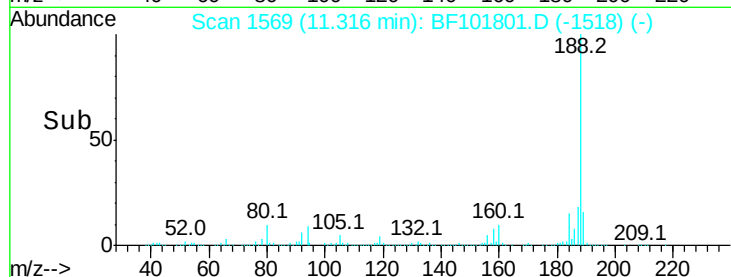
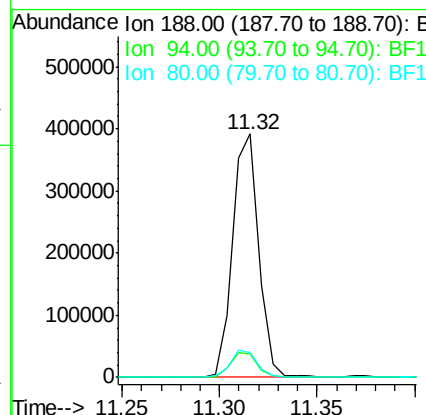
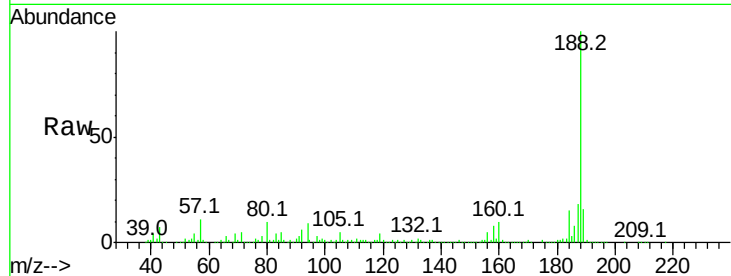
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Instrument :
BNA_F
ClientSampleId :
S2-0-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	363003		
94	9.4		8.5	12.7
80	10.1		9.2	13.8

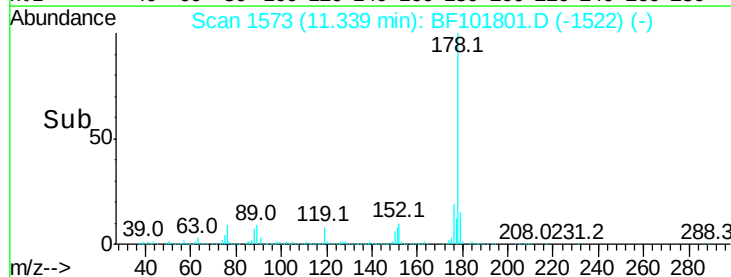
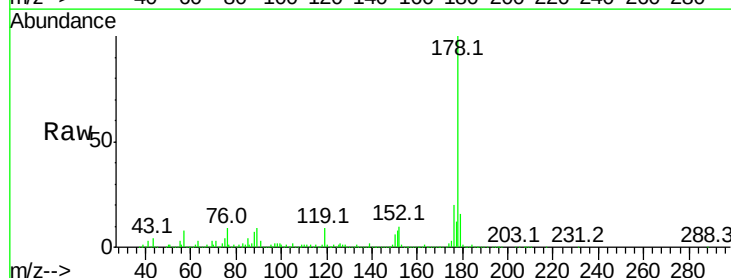
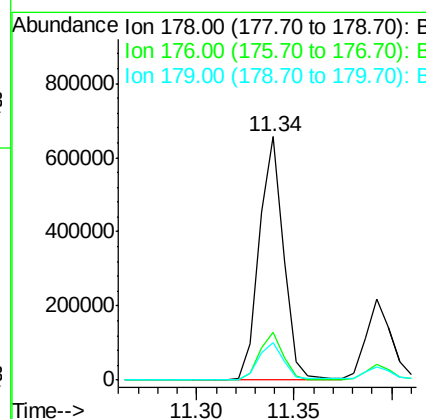
Manual Integrations
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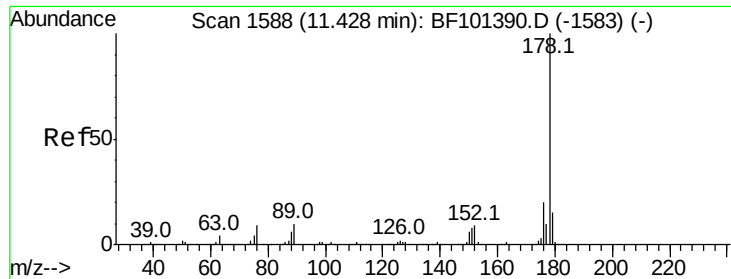
Sohil
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#70
Phenanthrene
Concen: 28.047 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	566188		
176	19.6		15.8	23.8
179	15.5		13.0	19.6





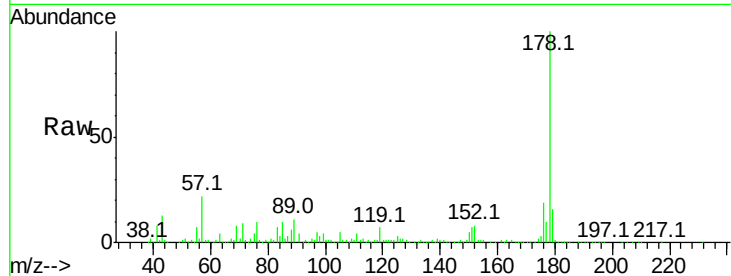
#71
 Anthracene
 Concen: 9.435 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF101801.D
 Acq: 28 Dec 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 S2-0-5

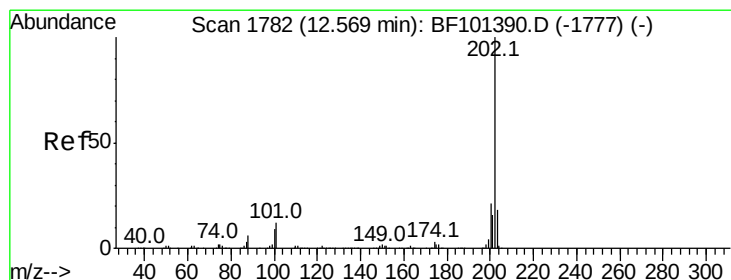
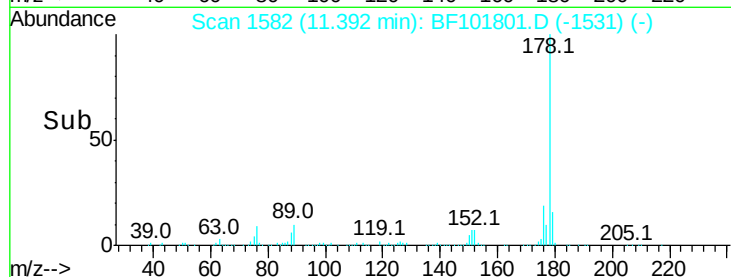
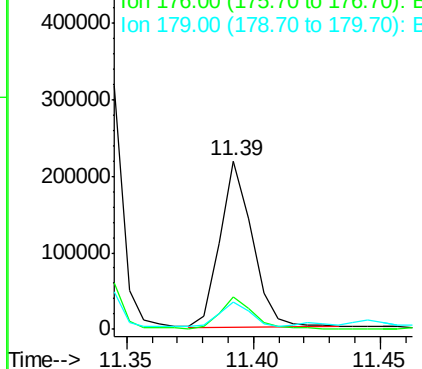
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.4	12.6	19.0

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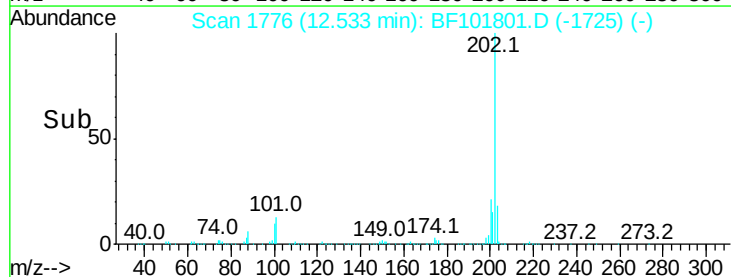
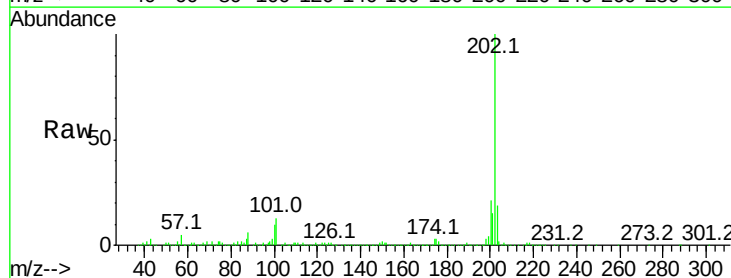
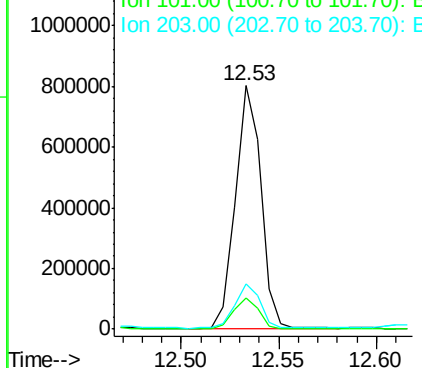
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

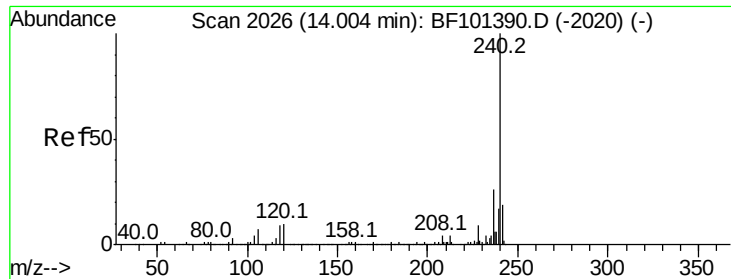


#74
 Fluoranthene
 Concen: 34.643 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BF101801.D
 Acq: 28 Dec 2017 14:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	18.6	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

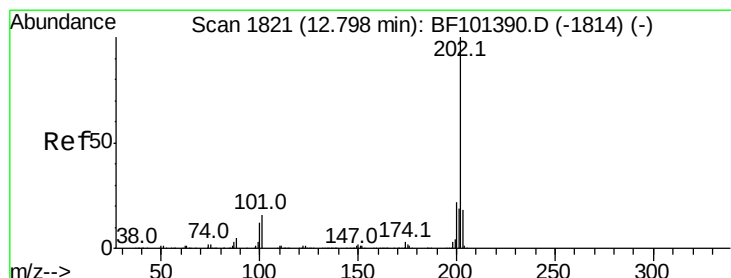
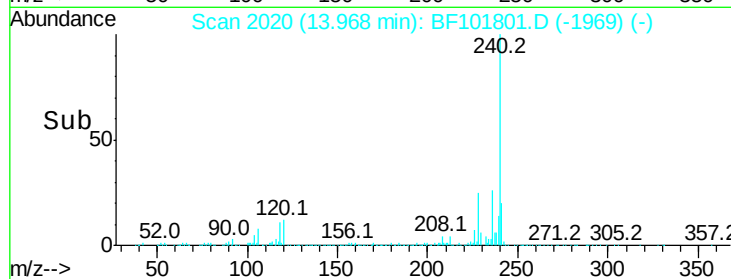
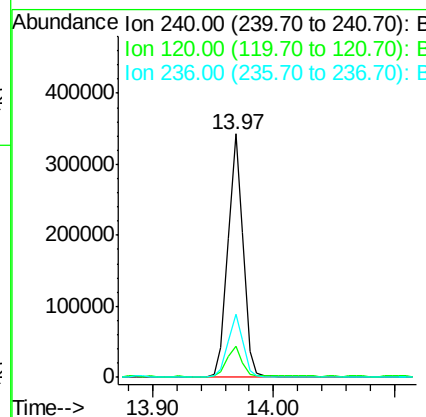
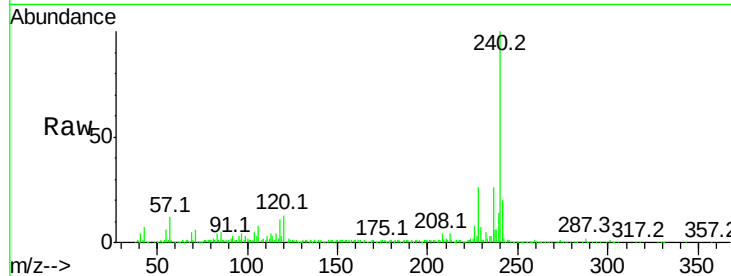
ClientSampleId :

S2-0-5

Tot Ion:	240	Resp:	295722
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	25.9	20.7	31.1

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#77

Pyrene

Concen: 36.267 ng

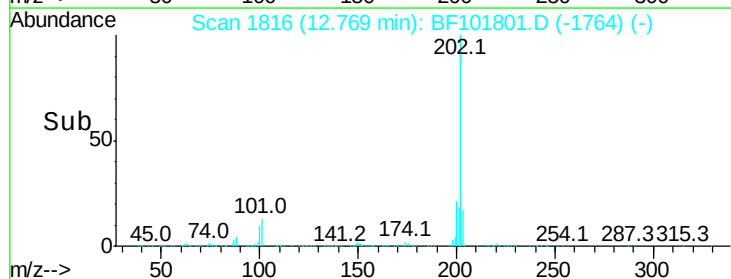
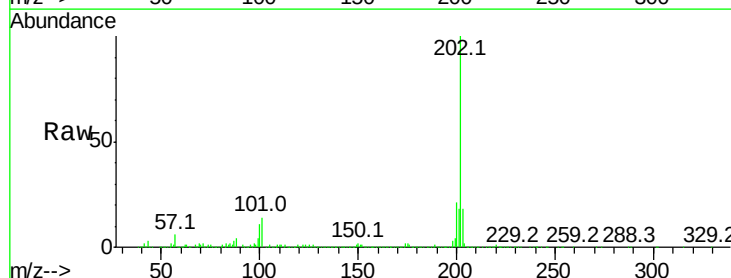
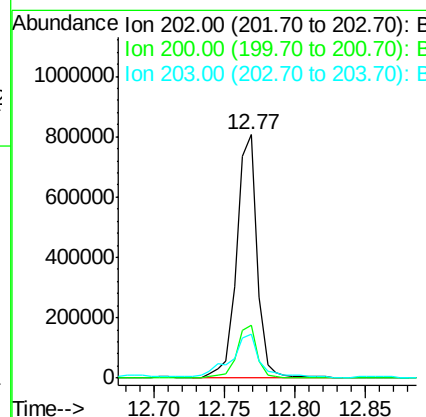
RT: 12.77 min Scan# 1816

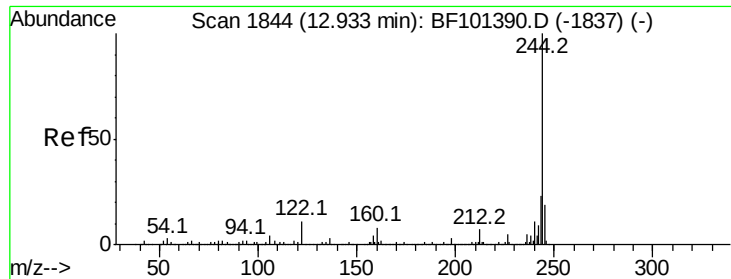
Delta R.T. 0.01 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Tgt Ion:	202	Resp:	804914
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	18.1	14.3	21.5





#78

Terphenyl-d14

Concen: 70.881 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

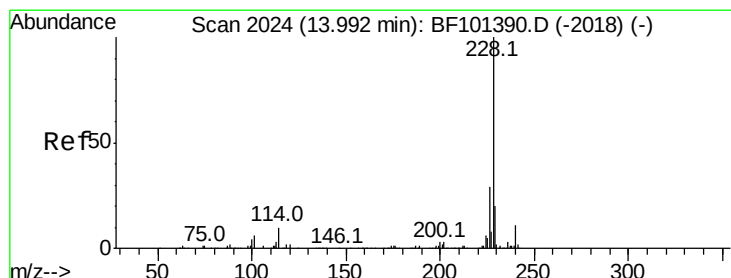
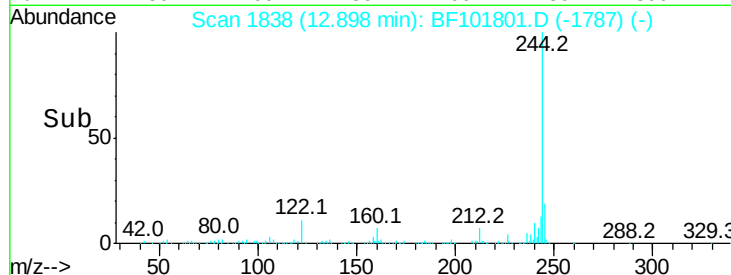
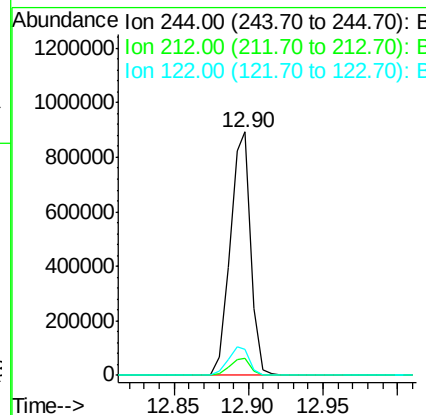
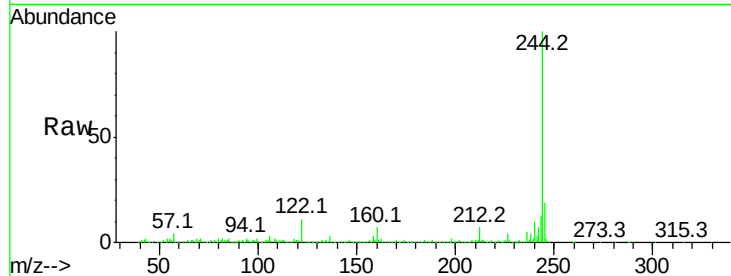
ClientSampleId :

S2-0-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 20.044 ng

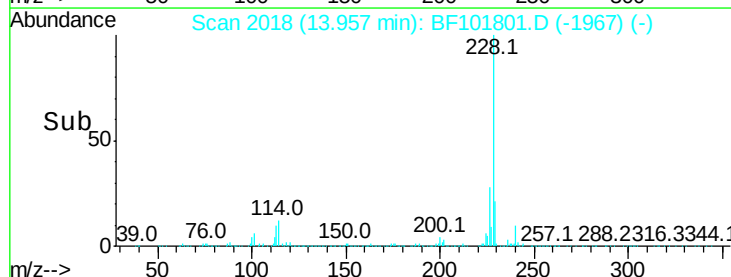
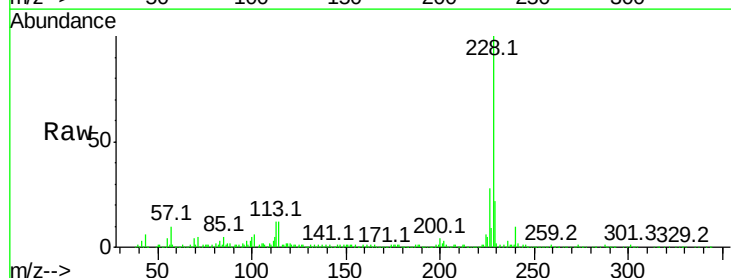
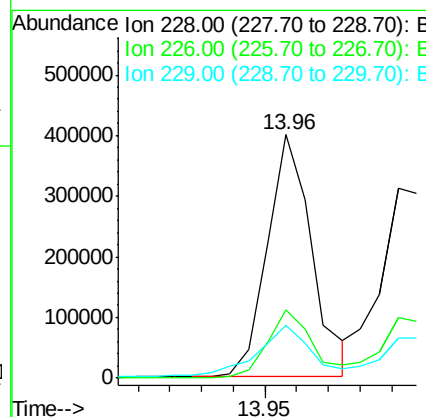
RT: 13.96 min Scan# 2018

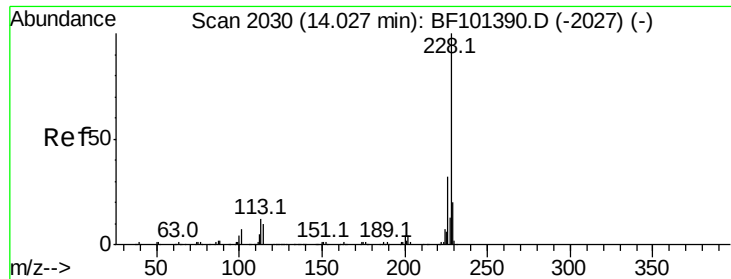
Delta R.T. -0.00 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	21.7	15.8	23.6





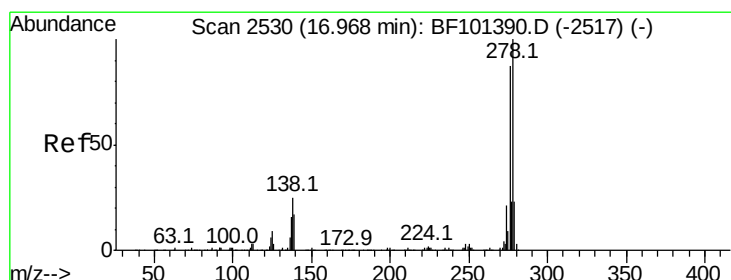
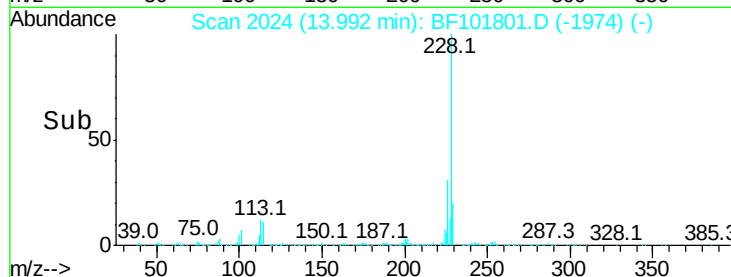
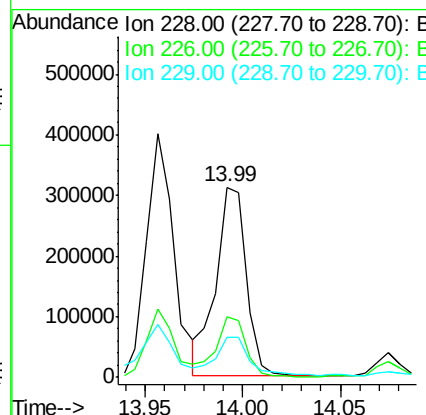
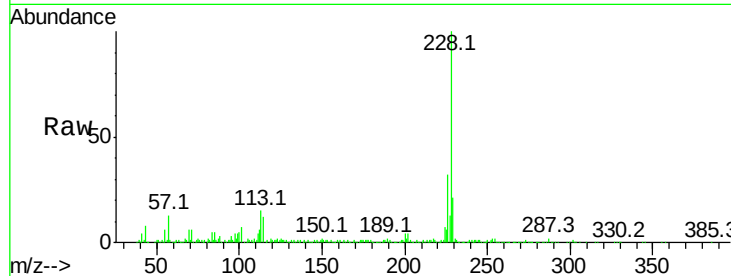
#82
Chrysene
Concen: 18.279 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Instrument :
BNA_F
ClientSampleId :
S2-0-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	20.9	16.2	24.4

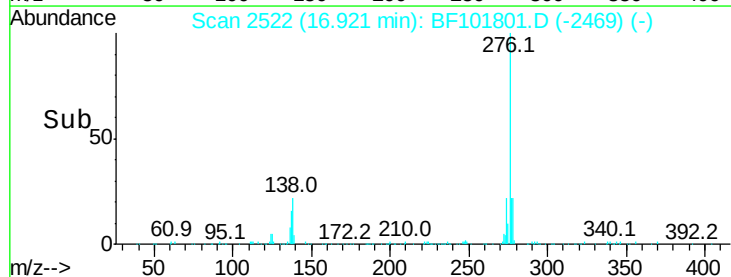
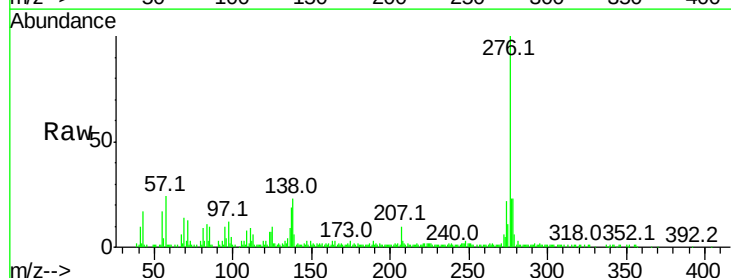
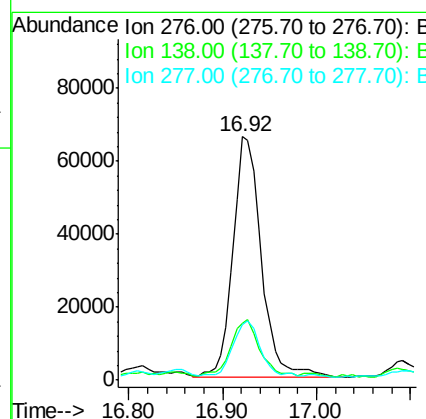
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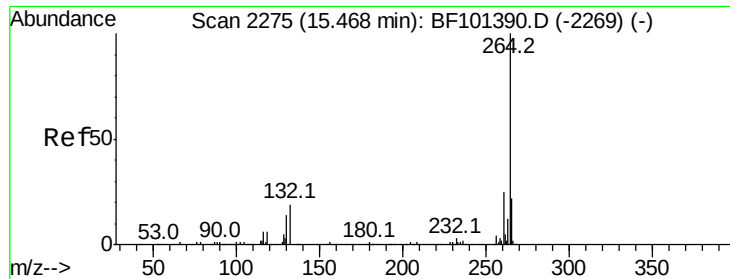
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.399 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	25.0	37.6#
277	22.4	20.1	30.1





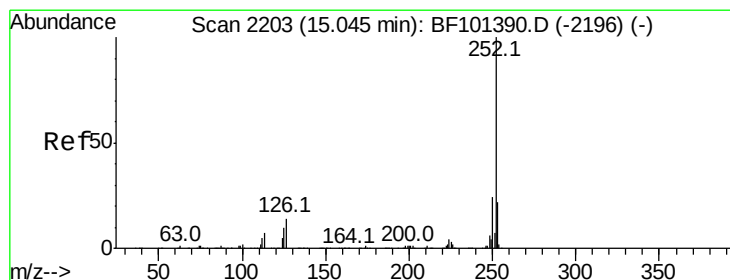
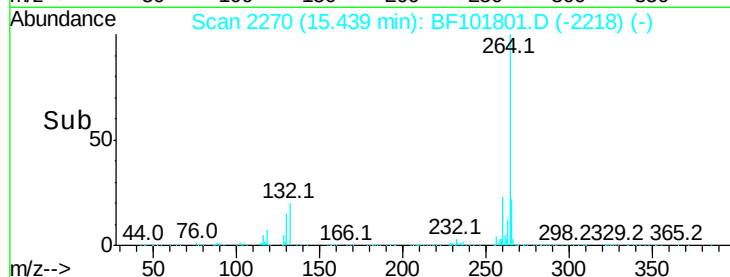
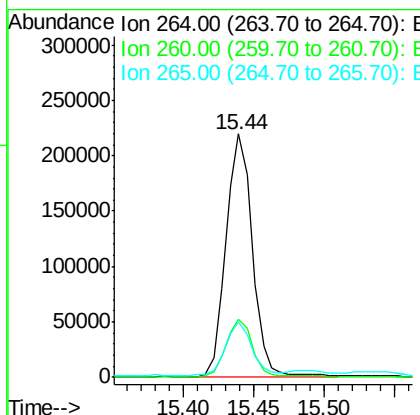
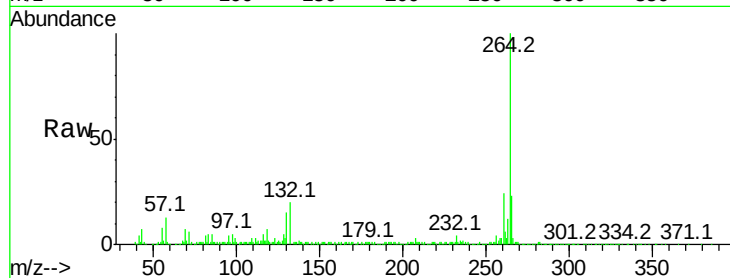
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Instrument :
BNA_F
ClientSampled :
S2-0-5

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.6	19.2	28.8	
265	22.5	17.5	26.3	

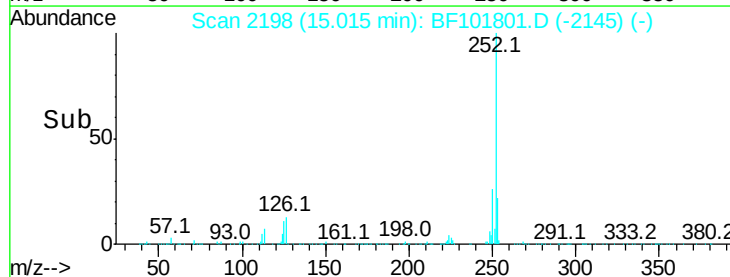
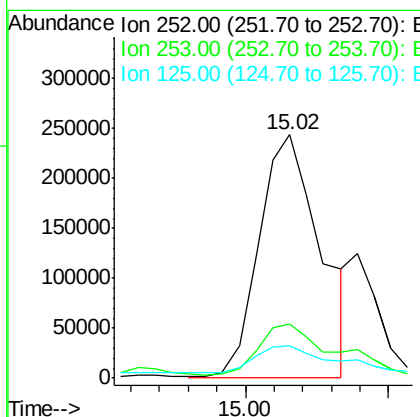
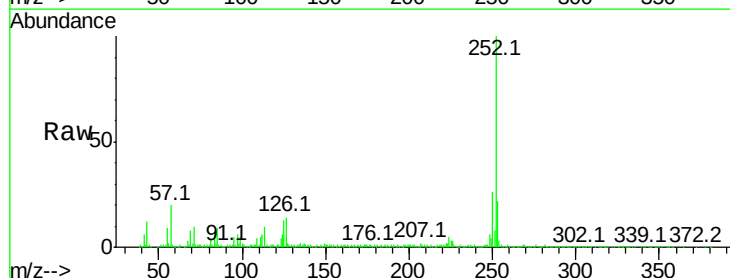
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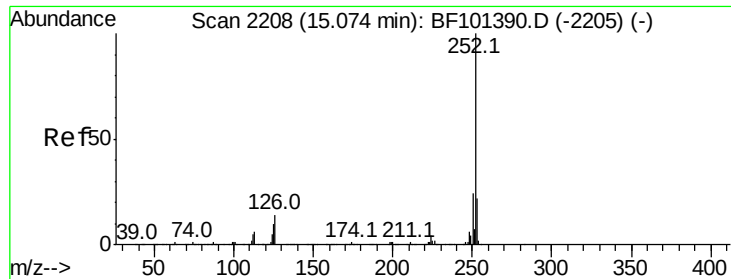
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#87
Benzo(b)fluoranthene
Concen: 21.048 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.4	17.0	25.6	
125	13.4	9.0	13.6	





#88

Benzo(k)fluoranthene

Concen: 5.519 ng

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Instrument :

BNA_F

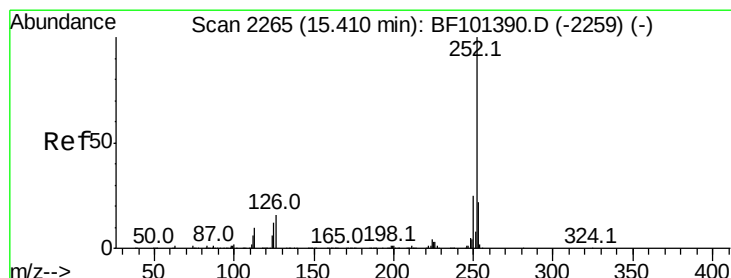
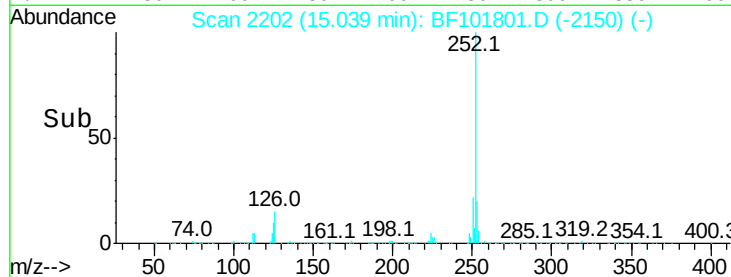
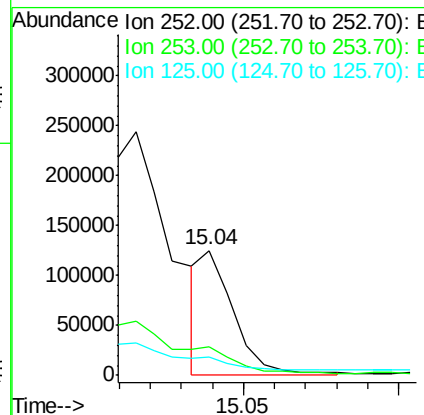
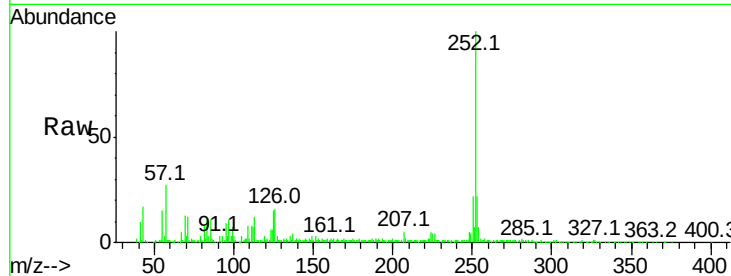
ClientSampled :

S2-0-5

Tot Ion:	252	Resp:	92850
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	14.5	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 16.848 ng

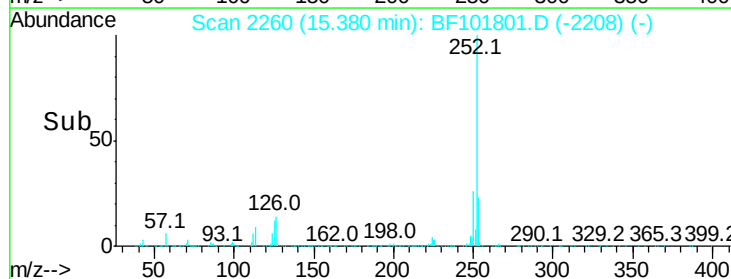
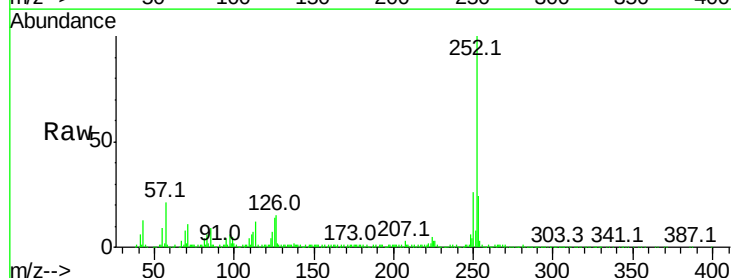
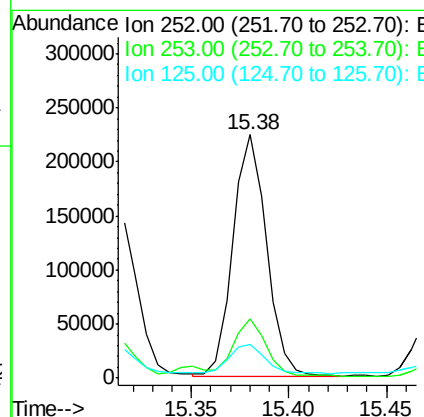
RT: 15.38 min Scan# 2260

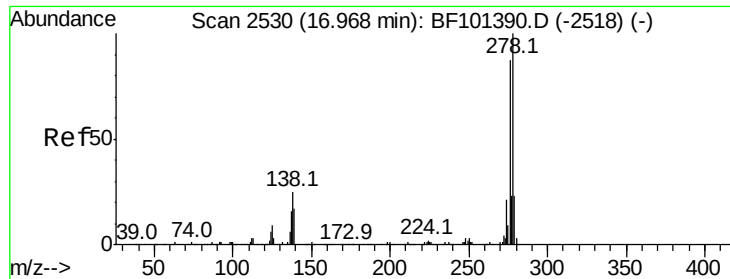
Delta R.T. 0.01 min

Lab File: BF101801.D

Acq: 28 Dec 2017 14:43

Tgt Ion:	252	Resp:	268724
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.1	25.7
125	13.7	9.8	14.6





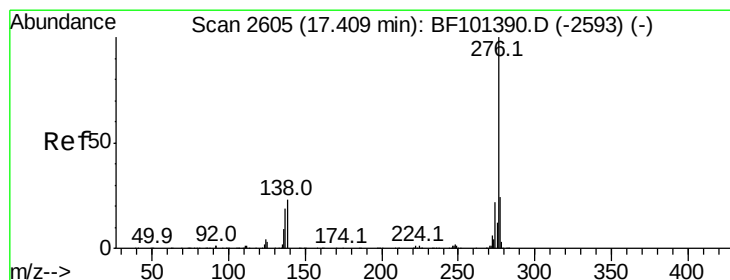
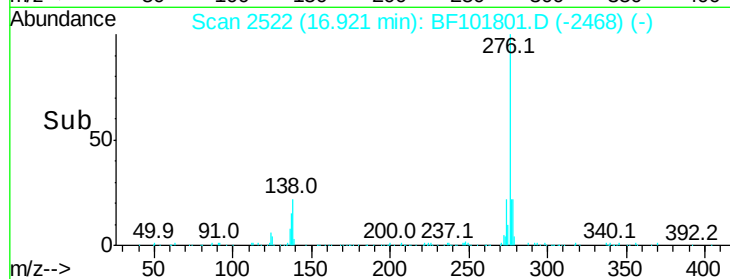
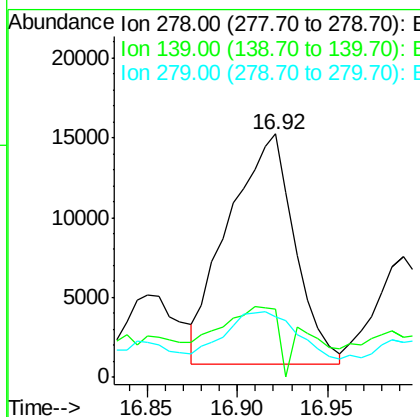
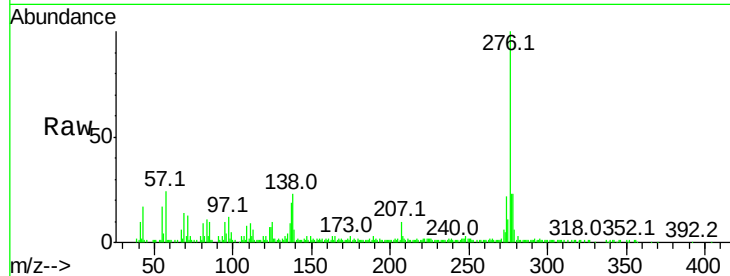
#90
Dibenzo(a,h)anthracene
Concen: 2.694 ng m
RT: 16.92 min Scan# 2522
Delta R.T. 0.02 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Instrument :
BNA_F
ClientSampled :
S2-0-5

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.9	15.9	23.9#
279	24.9	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 9.710 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.02 min
Lab File: BF101801.D
Acq: 28 Dec 2017 14:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	25.5	21.8	32.8

