

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107830.D
 Acq On : 31 Jul 2018 5:18
 Operator : JU/SJ
 Sample : J4184-07DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2BDL

Manual Integrations
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 7/31/2018 2:43:09 PM

Quant Time: Jul 31 07:09:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	174317	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	527020	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	284409	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	480724	20.00	ng	0.00
75) Chrysene-d12	14.15	240	459422	20.00	ng	0.00
86) Perylene-d12	15.68	264	380556	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	105085	10.25	ng	0.01
7) Phenol-d6	6.62	99	90354	6.68	ng	0.01
23) Nitrobenzene-d5	7.53	82	257748	28.18	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	90146	23.33	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	531630	26.05	ng	0.00
78) Terphenyl-d14	13.08	244	445828	21.04	ng	0.00
Target Compounds						
31) Naphthalene	8.30	128	10703151	436.897	ng	Qvalue # 90
37) 2-Methylnaphthalene	8.96	142	1647322	107.049	ng	99
45) 1,1'-Biphenyl	9.42	154	678572	26.217	ng	99
48) Acenaphthylene	9.87	152	2201491	72.755	ng	97
51) Acenaphthene	10.04	154	314594	17.898	ng	98
57) Fluorene	10.55	166	428716	20.305	ng	94
70) Phenanthrene	11.52	178	1005384	44.045	ng	99
71) Anthracene	11.58	178	273910	10.404	ng	97
74) Fluoranthene	12.72	202	280921	10.476	ng	96
77) Pyrene	12.95	202	381316	11.526	ng	97
80) Benzo(a)anthracene	14.14	228	75822	2.913	ng	# 68
82) Chrysene	14.18	228	70049	2.495	ng	94
87) Benzo(b)fluoranthene	15.23	252	43895m	2.339	ng	
89) Benzo(a)pyrene	15.62	252	55282	2.853	ng	# 94

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

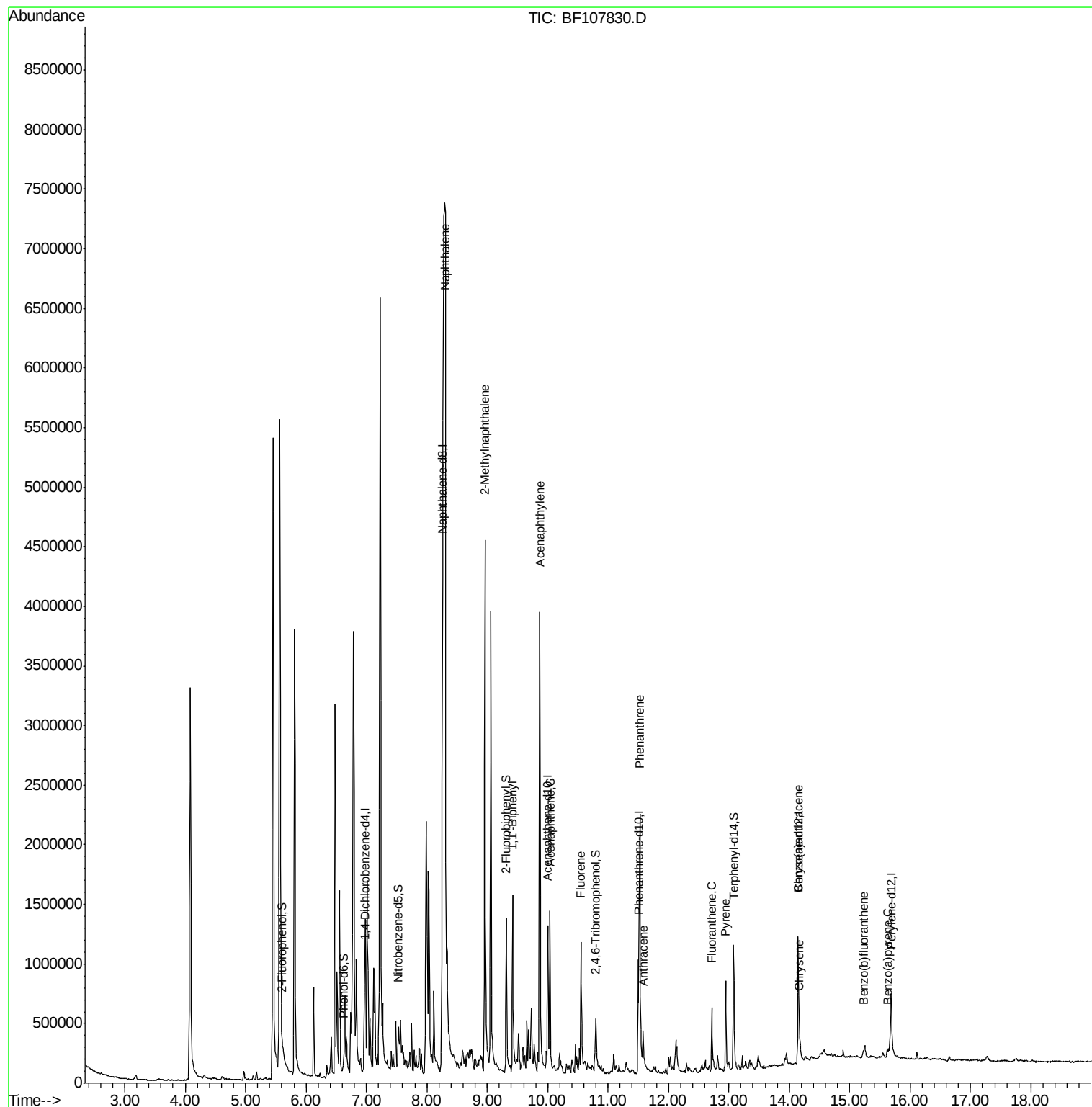
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107830.D
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ALS Vial : 29 Sample Multiplier: 1

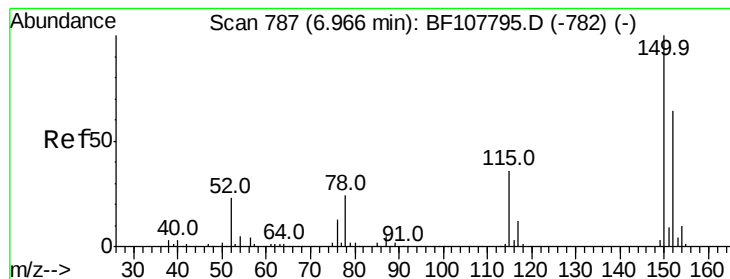
Instrument :
BNA_F
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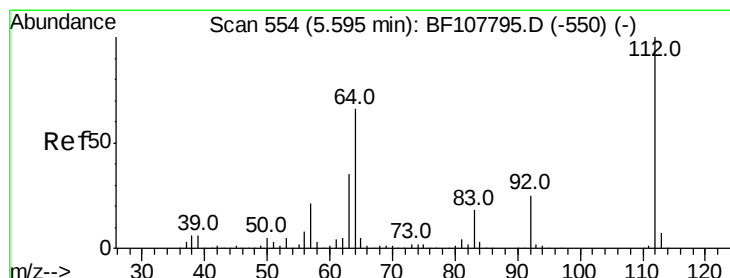
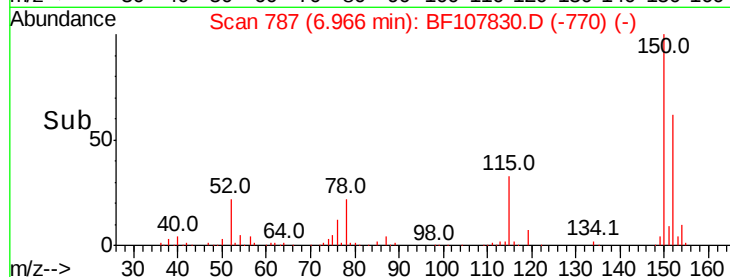
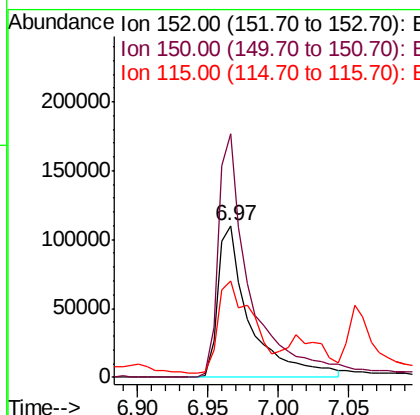
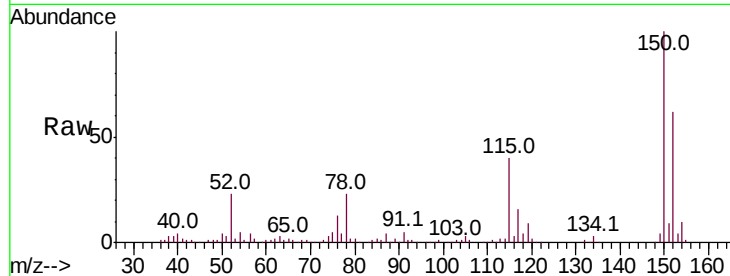
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Instrument :
 BNA_F
 ClientSampleId :
 MW-2BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.6	186.8
115	64.0	50.1	75.1

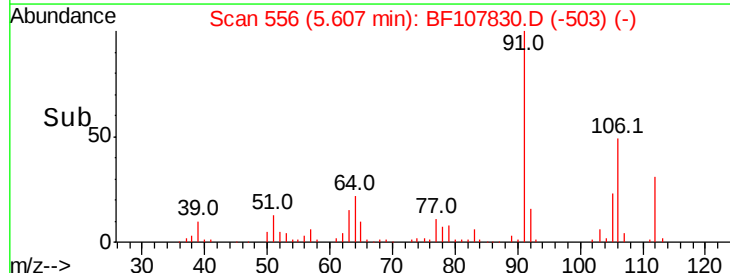
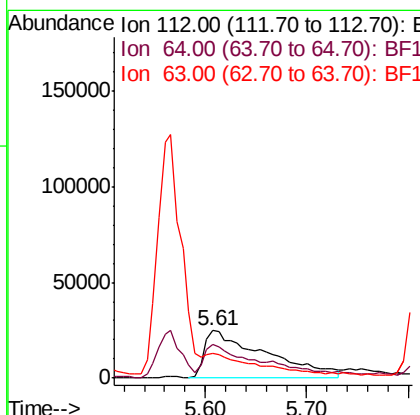
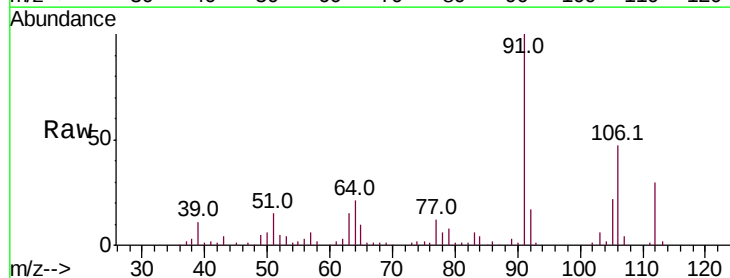
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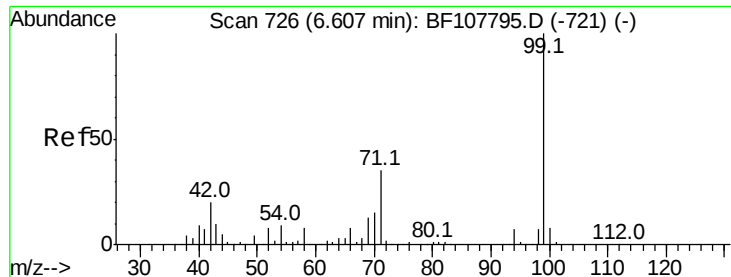
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#5
 2-Fluorophenol
 Concen: 10.246 ng
 RT: 5.61 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	47.9	71.9
63	51.3	23.7	35.5





#7

Phenol-d6

Concen: 6.684 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

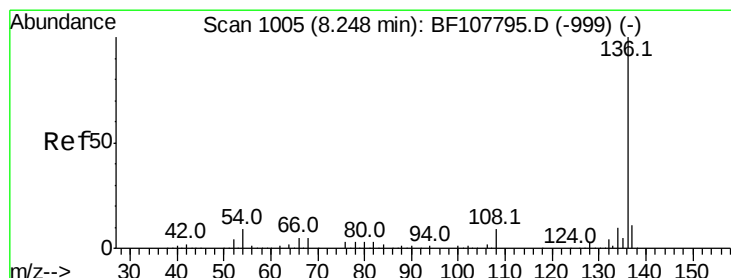
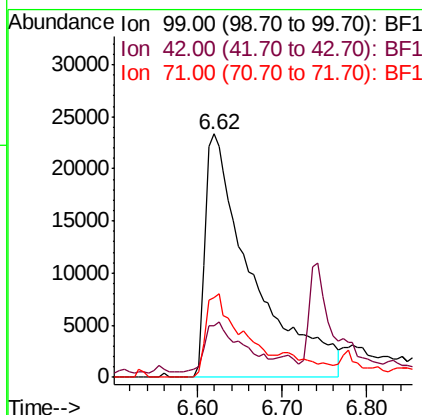
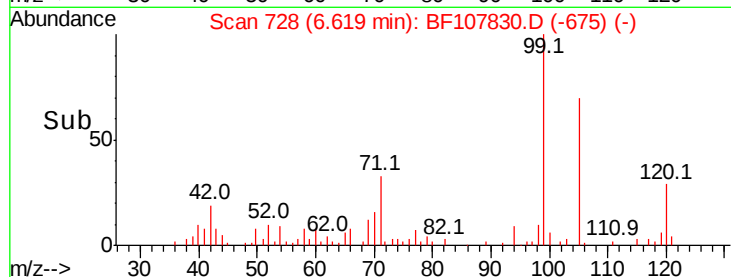
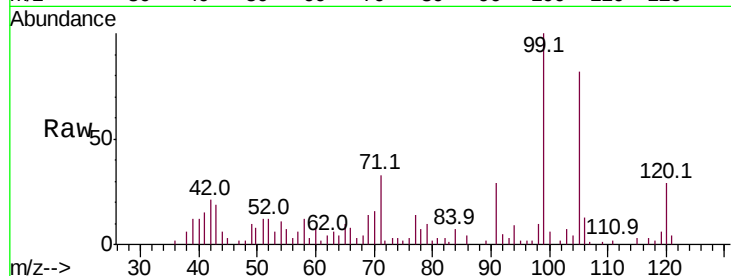
ClientSampleId :

MW-2BDL

Tot Ion:	99	Resp:	90354
Ion Ratio	Lower	Upper	
99	100		
42	21.4	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

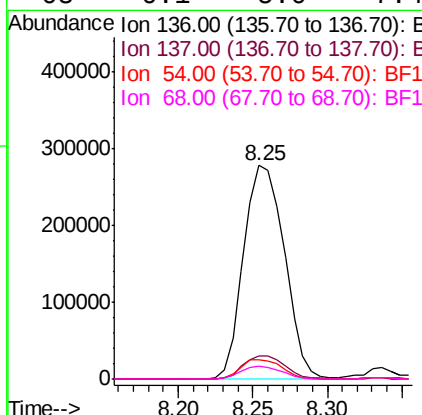
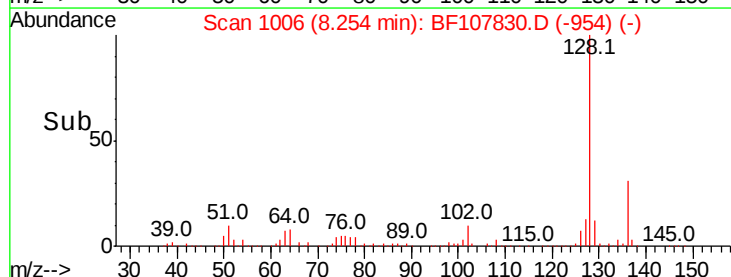
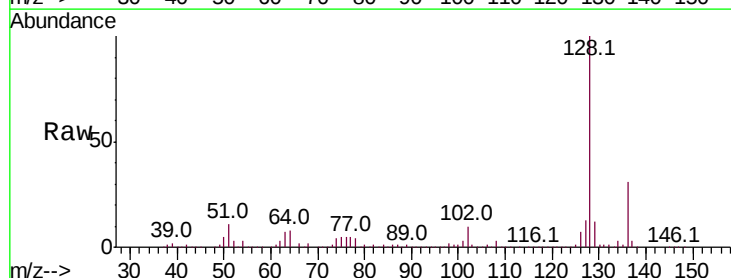
RT: 8.25 min Scan# 1006

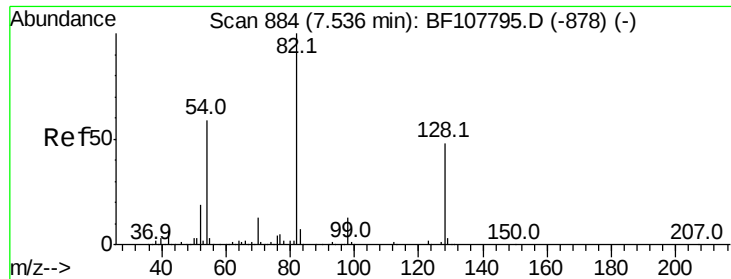
Delta R.T. 0.01 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Tgt Ion:	136	Resp:	527020
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.8	6.6	9.8
68	6.1	5.0	7.4





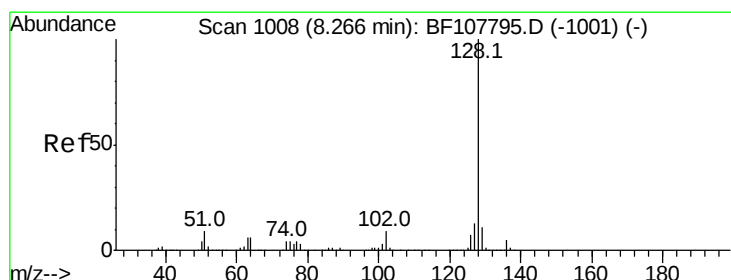
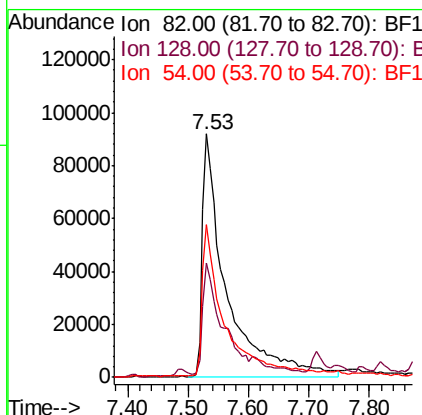
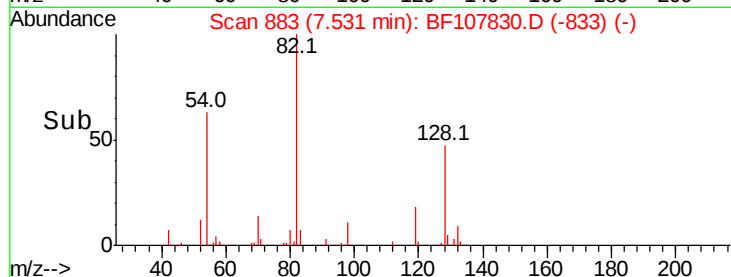
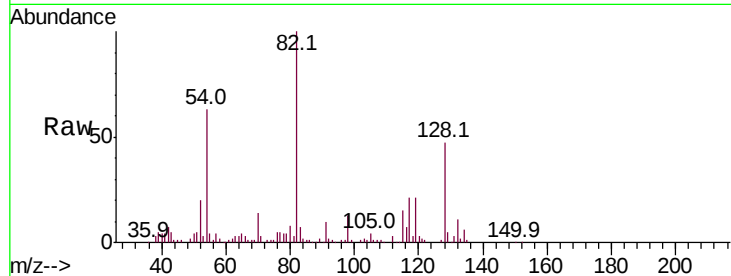
#23
Nitrobenzene-d5
Concen: 28.175 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.1	54.1
54	62.6	41.4	62.2#

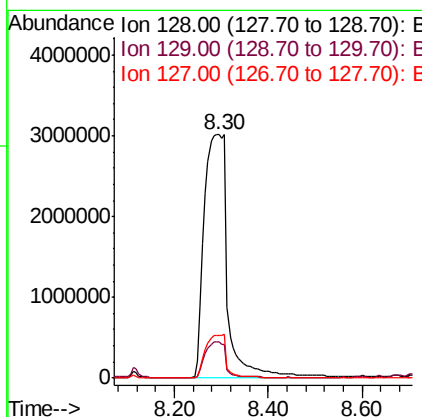
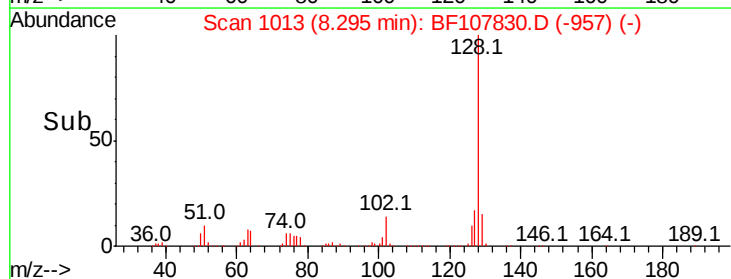
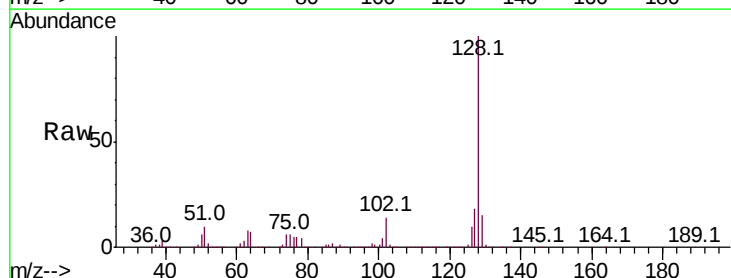
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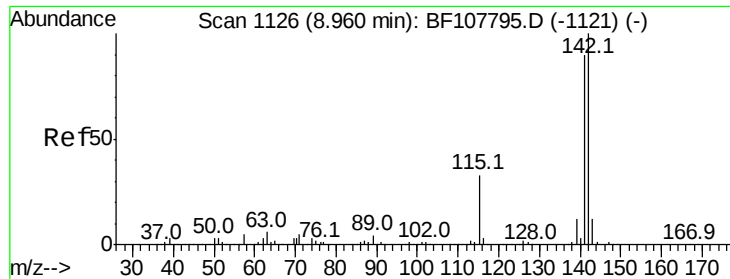
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#31
Naphthalene
Concen: 436.897 ng
RT: 8.30 min Scan# 1013
Delta R.T. 0.03 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.9	8.8	13.2#
127	17.5	10.9	16.3#





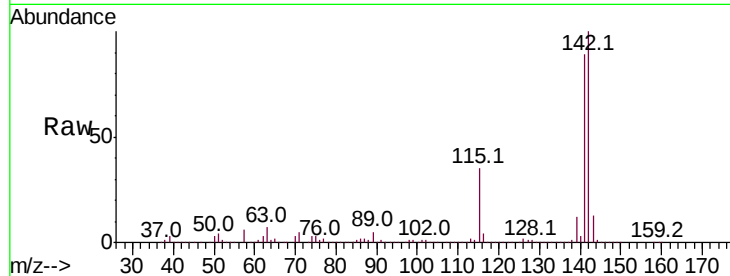
#37
2-Methylnaphthalene
Concen: 107.049 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

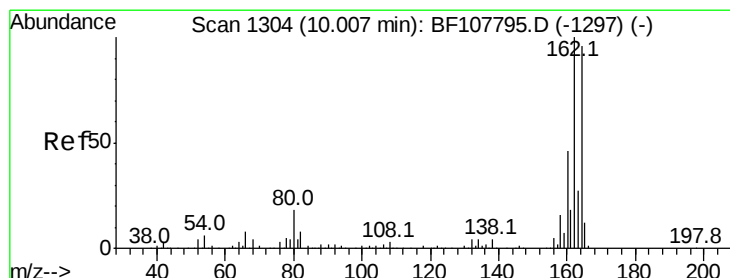
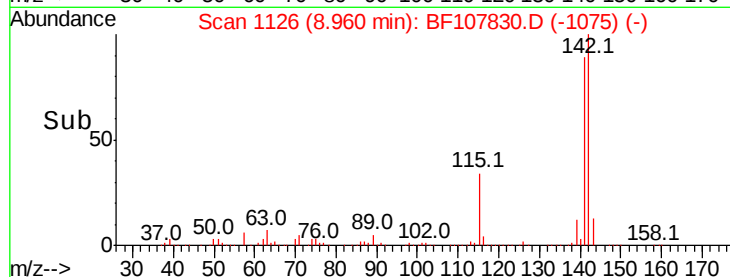
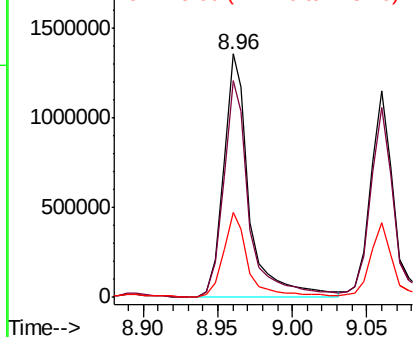
Tot Ion:142 Resp: 1647322
Ion Ratio Lower Upper
142 100
141 88.9 70.8 106.2
115 34.8 26.1 39.1

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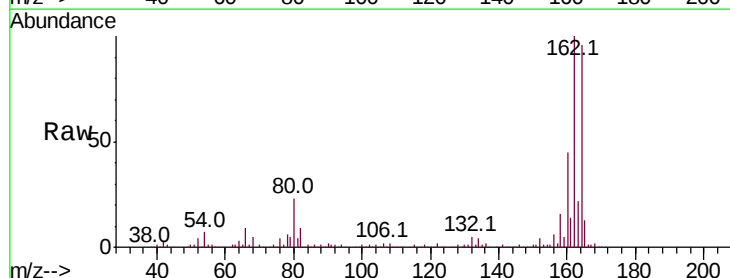


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

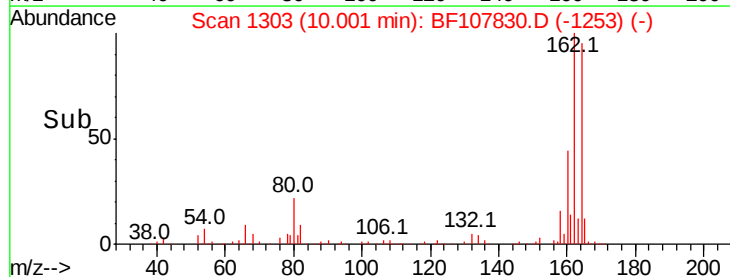
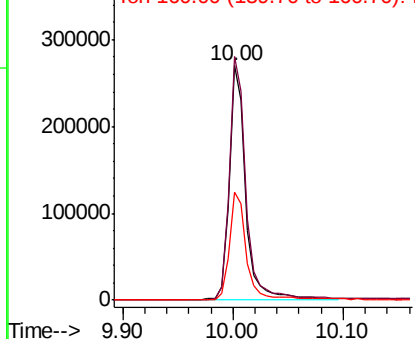


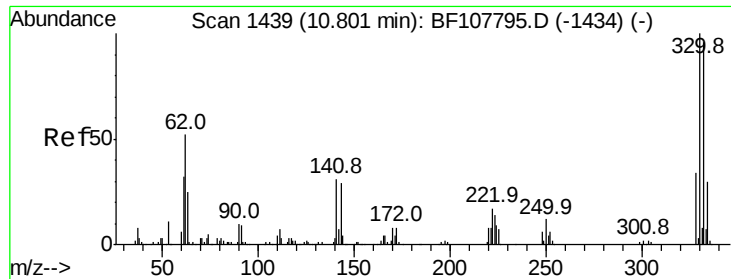
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion:164 Resp: 284409
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 46.3 38.3 57.5



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





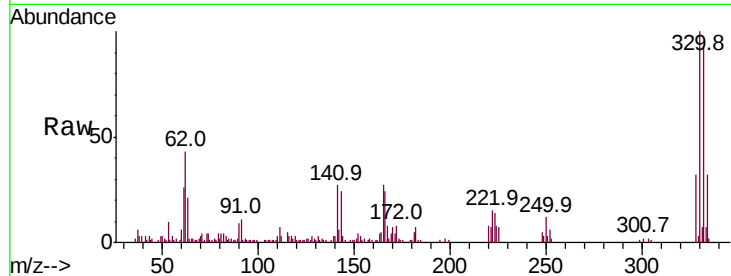
#41
 2,4,6-Tribromophenol
 Concen: 23.326 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Instrument :
 BNA_F
 ClientSampleId :
 MW-2BDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	32.4	29.9	44.9

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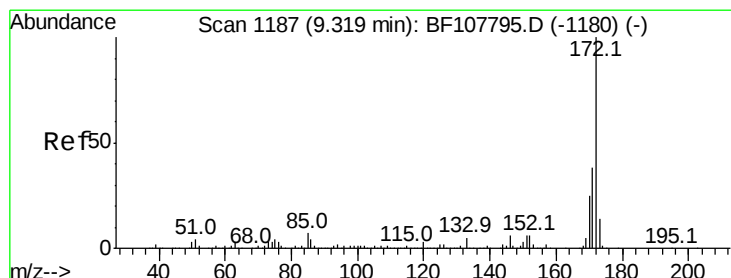
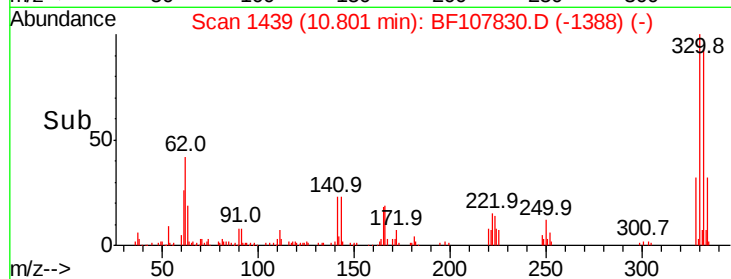
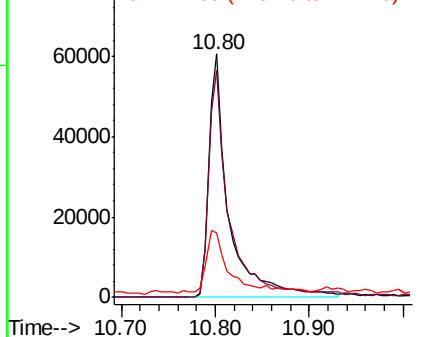


Abundance

Ion 329.80 (329.50 to 330.50): E

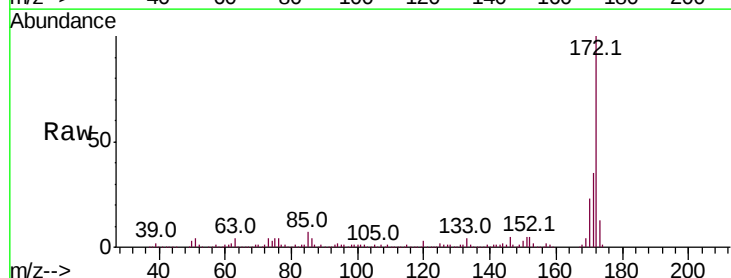
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 26.048 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.1	19.6	29.4

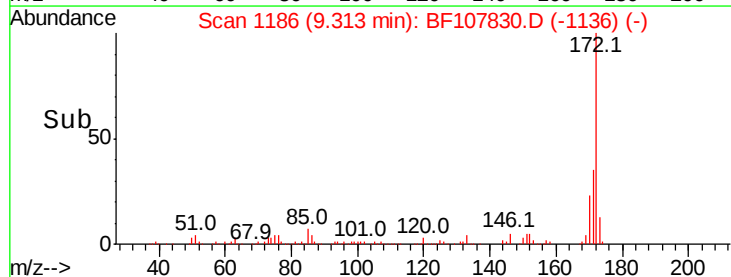
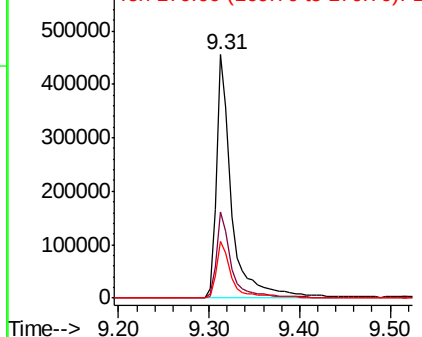


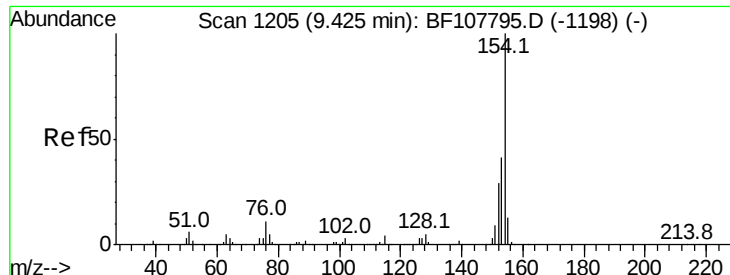
Abundance

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





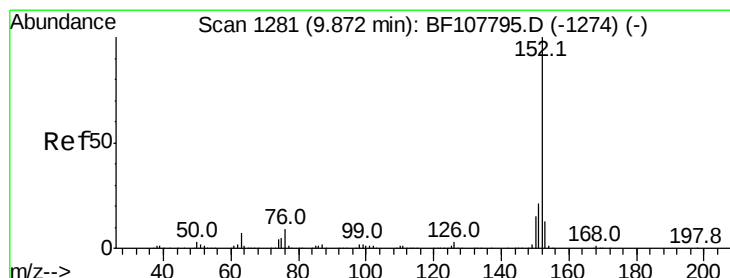
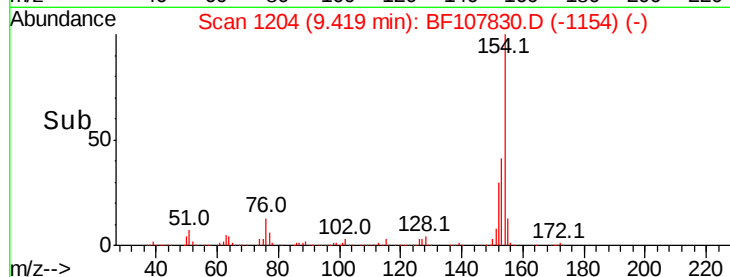
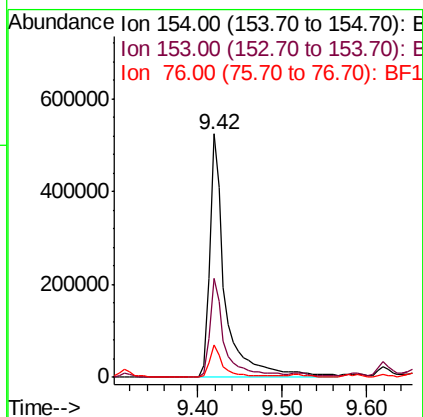
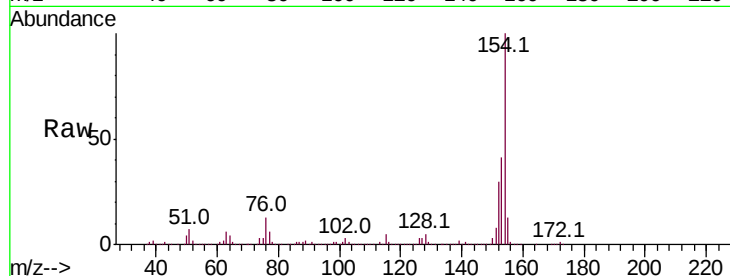
#45
1,1'-Biphenyl
Concen: 26.217 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.6	21.3	61.3	
76	13.1	0.0	34.0	

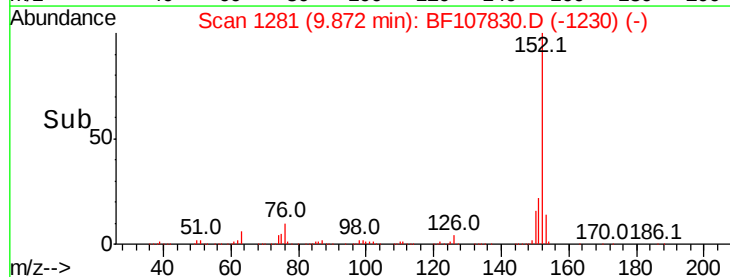
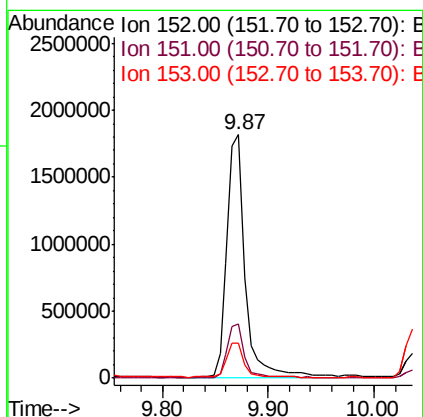
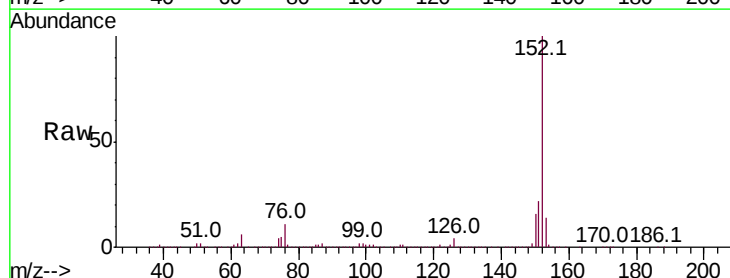
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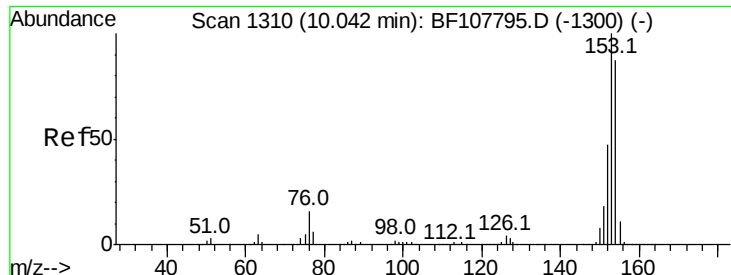
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#48
Acenaphthylene
Concen: 72.755 ng
RT: 9.87 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	22.1	16.3	24.5	
153	14.3	10.7	16.1	





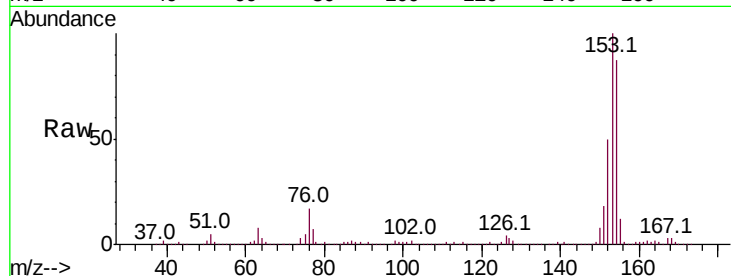
#51
Acenaphthene
Concen: 17.898 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_F
ClientSampled :
MW-2BDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.6	91.2	136.8
152	57.8	43.8	65.8

Manual Integrations
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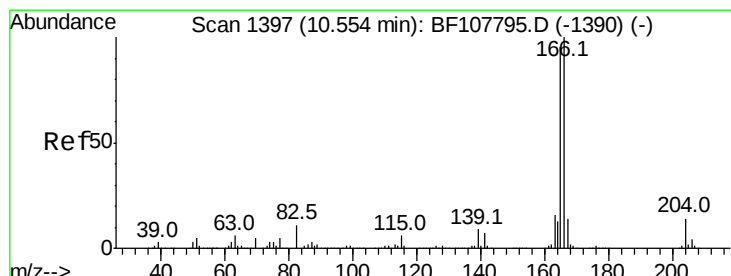
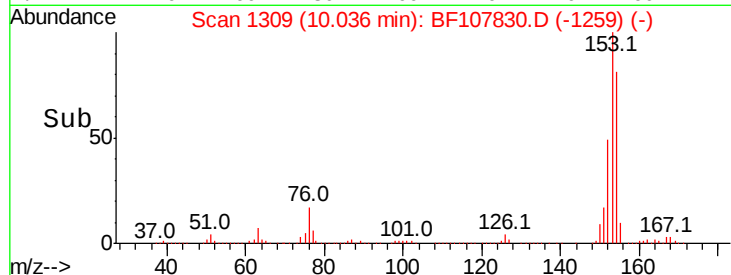
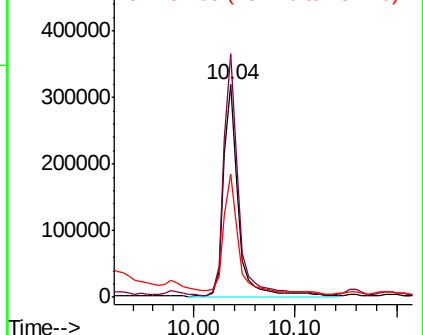


Abundance

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: 20.305 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

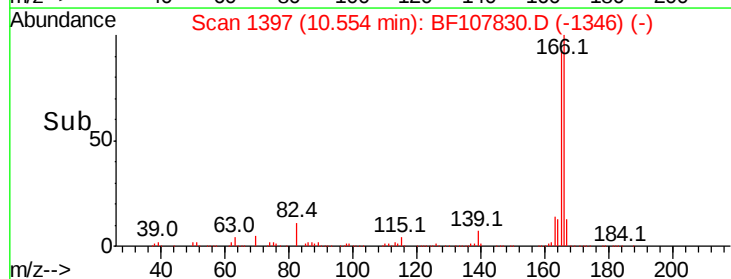
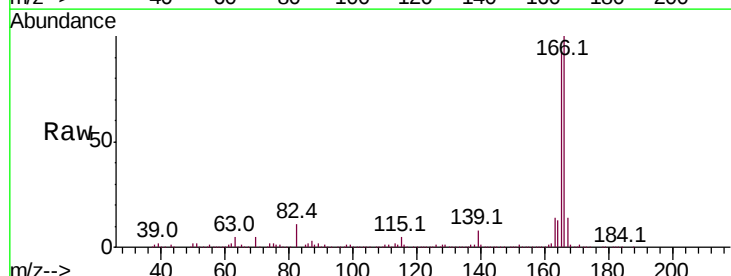
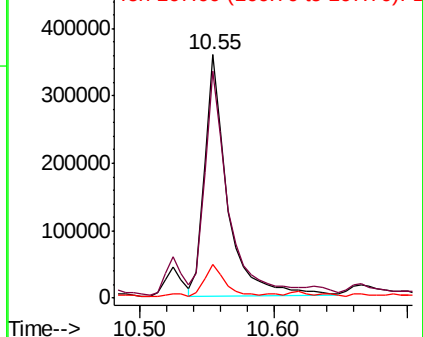
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.0	79.8	119.8
167	13.7	10.6	16.0

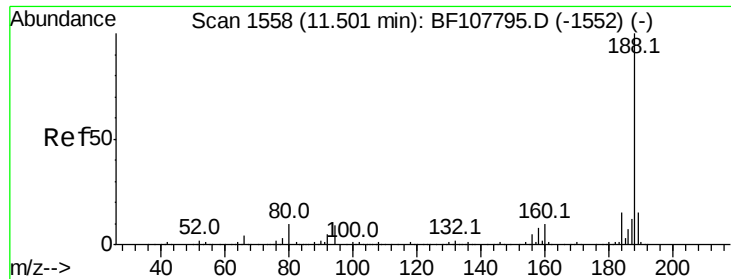
Abundance

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





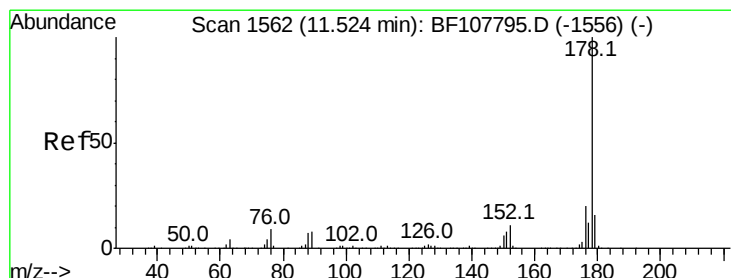
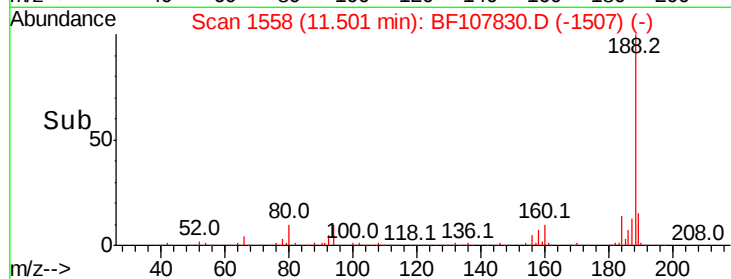
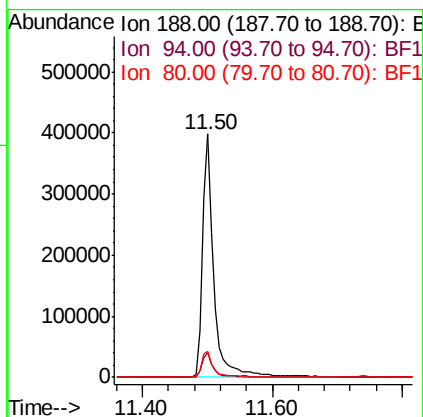
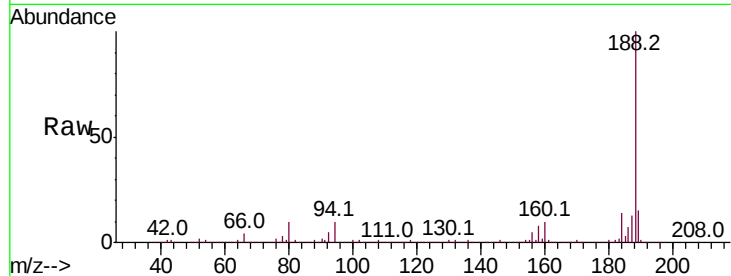
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_F
ClientSampled :
MW-2BDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	480724		
94	10.1		8.5	12.7
80	10.5		9.2	13.8

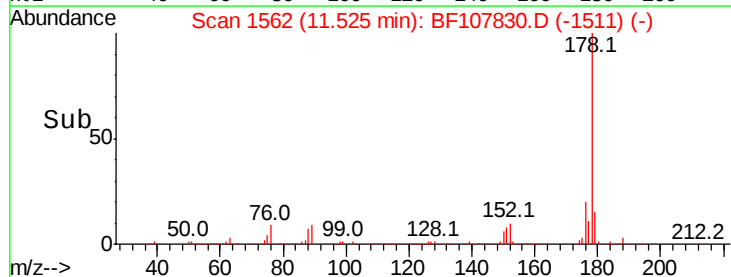
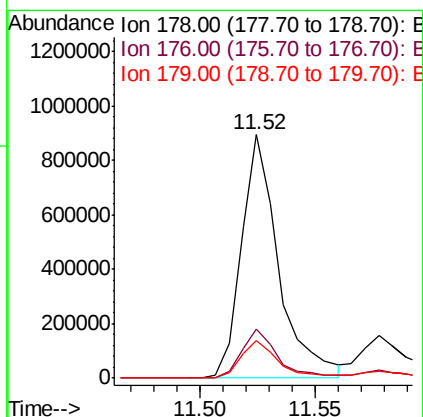
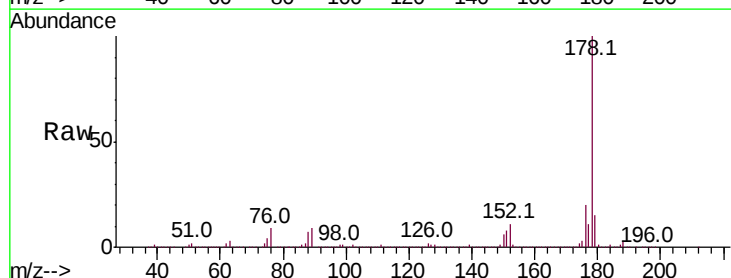
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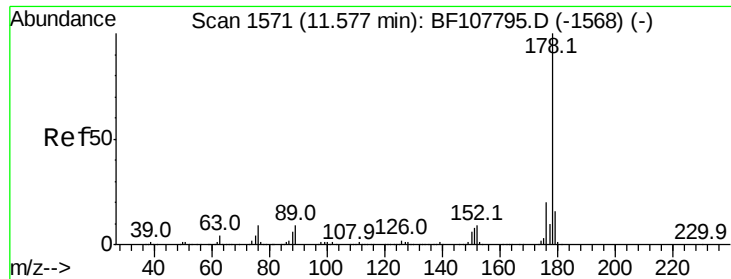
Sohil
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#70
Phenanthrene
Concen: 44.045 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1005384		
176	20.0		15.8	23.8
179	15.4		13.0	19.6





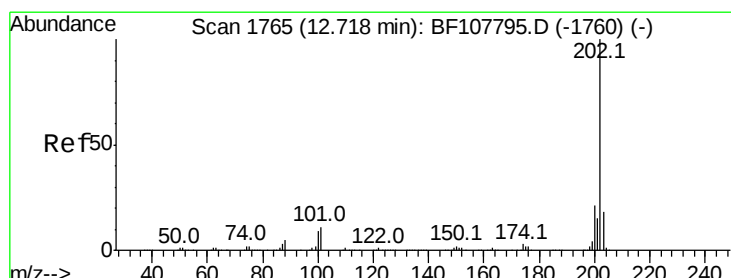
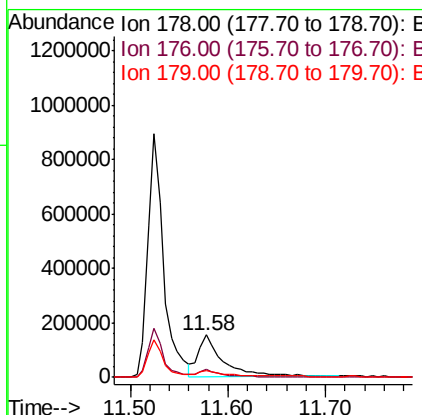
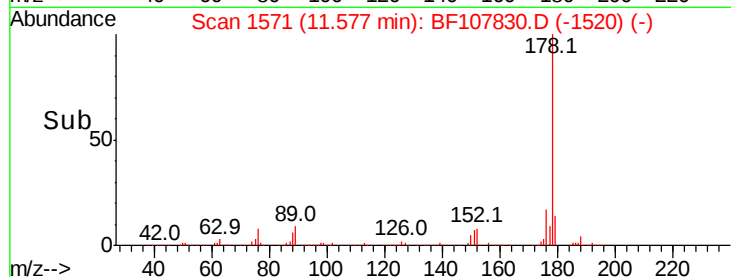
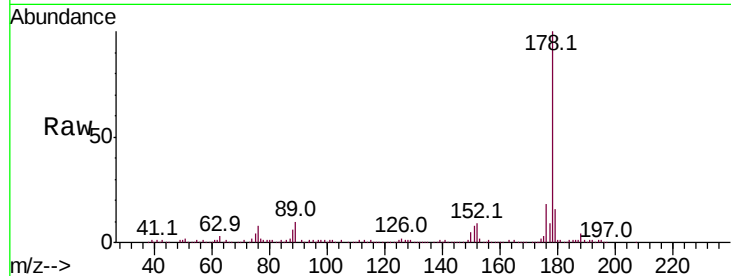
#71
 Anthracene
 Concen: 10.404 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Instrument :
 BNA_F
 ClientSampleId :
 MW-2BDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	16.4	12.6	19.0

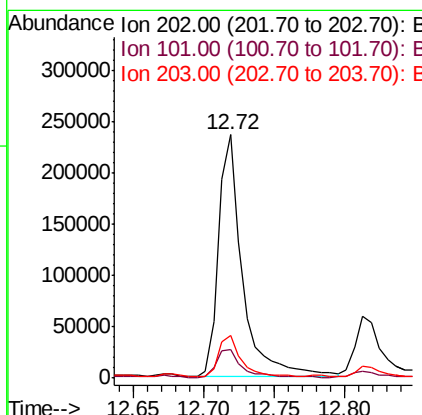
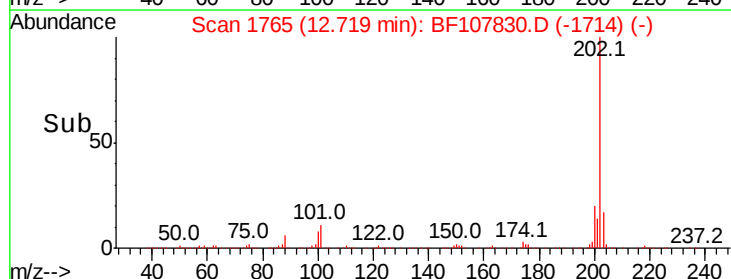
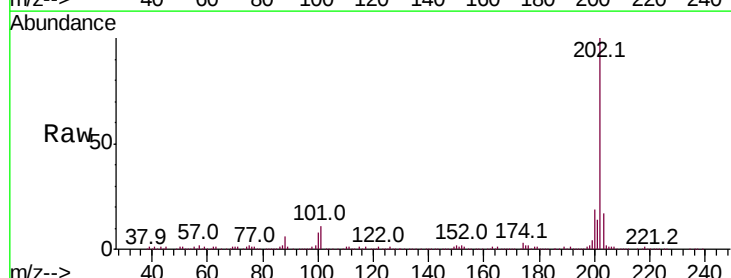
Manual Integrations
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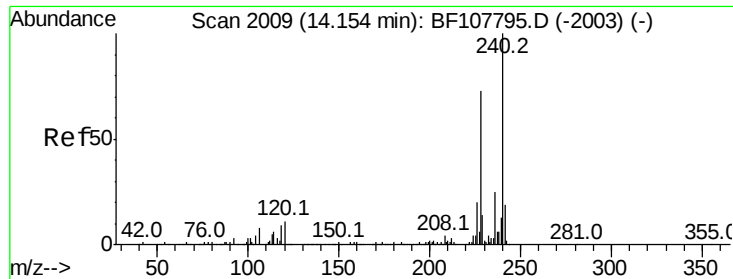
Sohil
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#74
 Fluoranthene
 Concen: 10.476 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.3	0.0	38.1





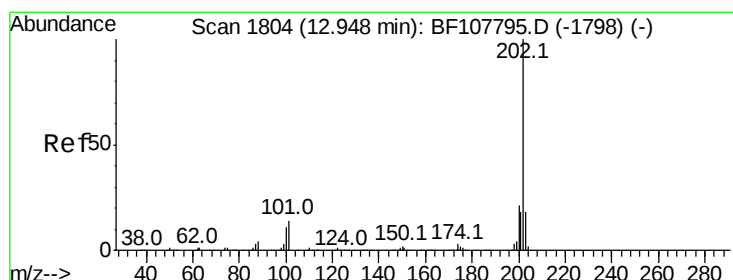
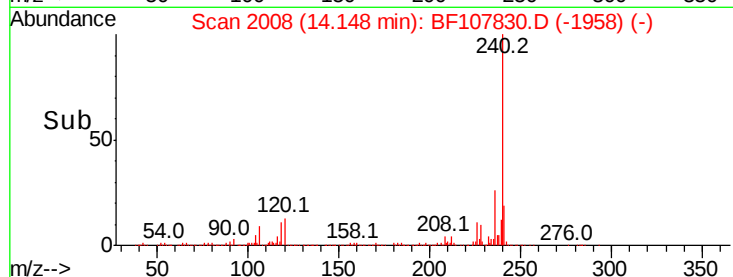
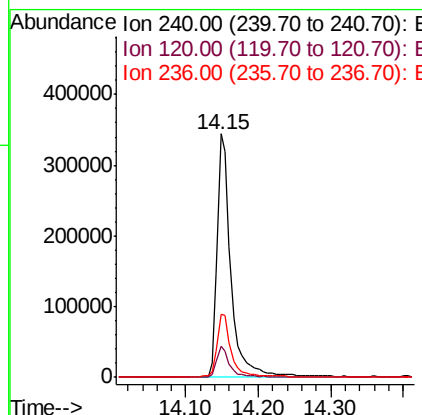
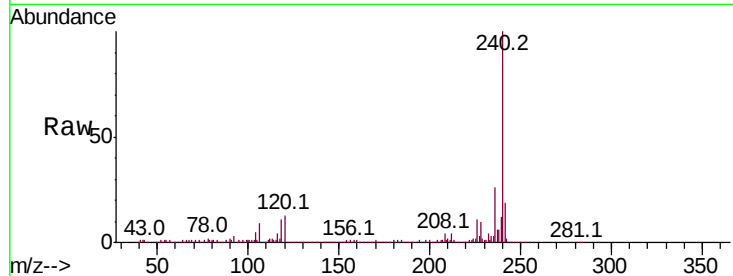
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.5	14.3
236	25.9	20.7	31.1

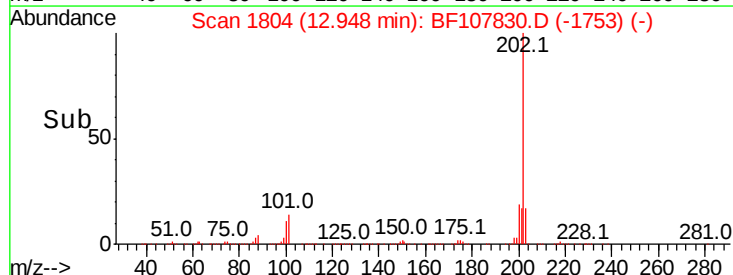
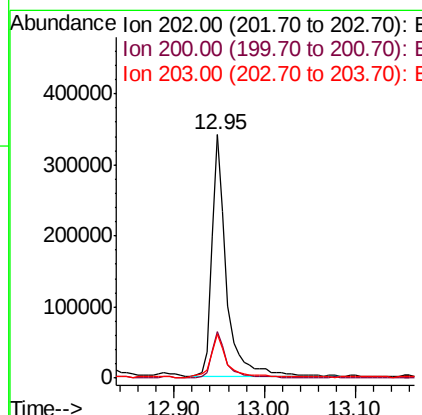
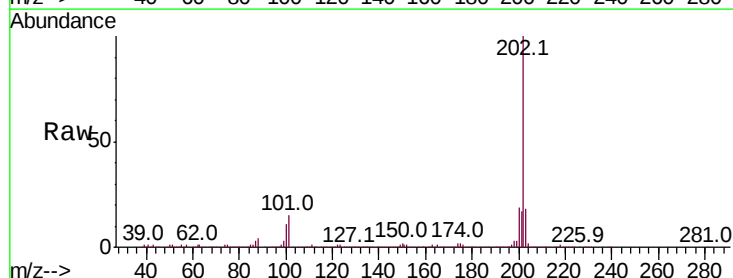
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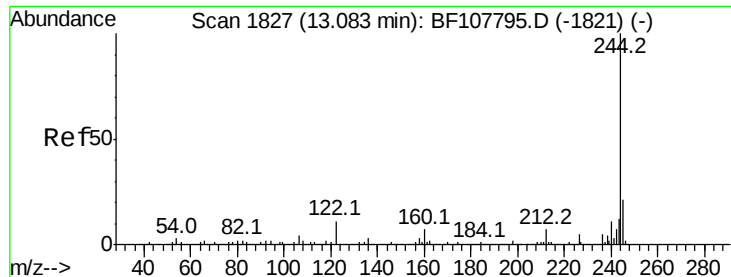
Sohil
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#77
Pyrene
Concen: 11.526 ng
RT: 12.95 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BF107830.D
Acq: 31 Jul 2018 5:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	17.4	26.2
203	18.3	14.3	21.5





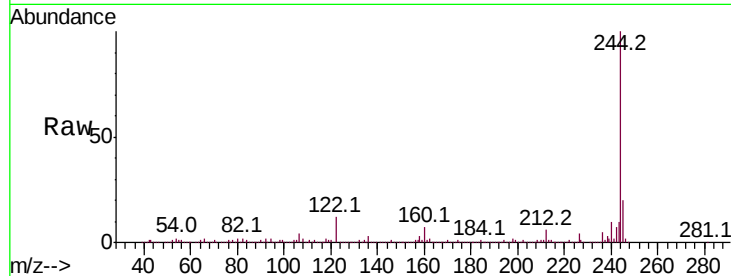
#78
 Terphenyl-d14
 Concen: 21.043 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

Instrument :
 BNA_F
 ClientSampled :
 MW-2BDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	12.1	11.0	16.4

Manual Integrations
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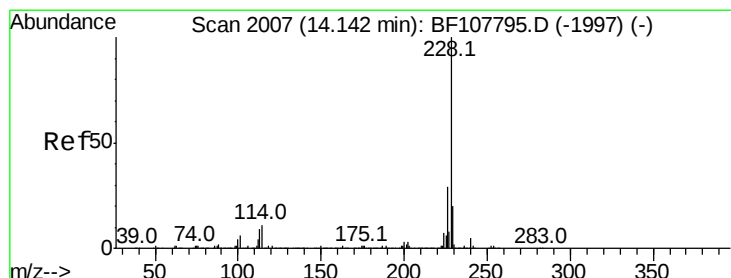
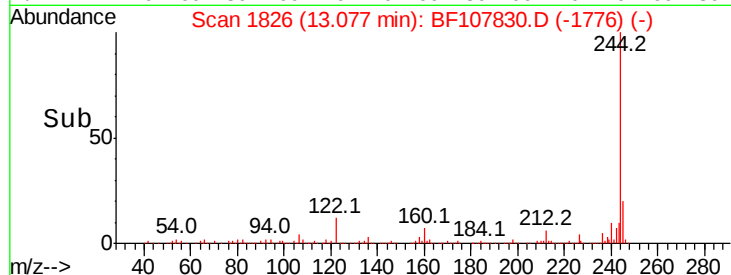
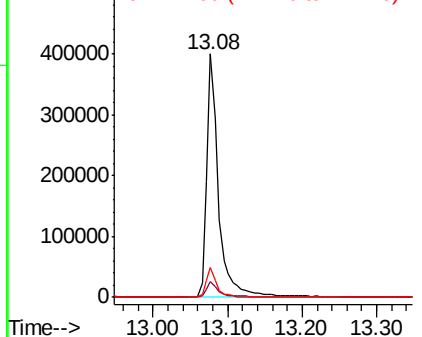


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80
 Benzo(a)anthracene
 Concen: 2.913 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF107830.D
 Acq: 31 Jul 2018 5:18

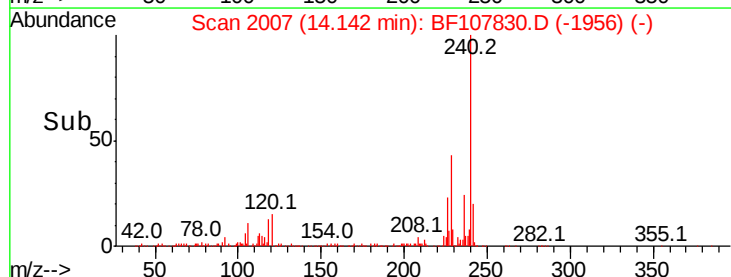
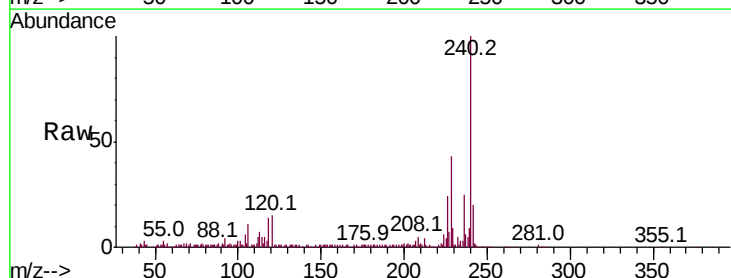
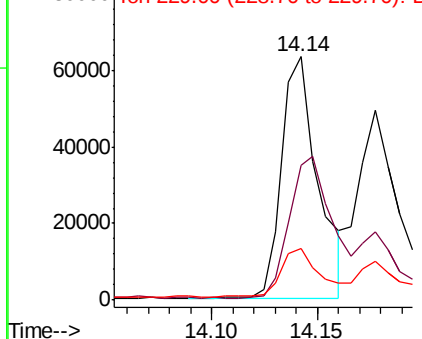
Tgt Ion	Ratio	Lower	Upper
228	100		
226	55.2	22.6	33.8#
229	21.3	15.8	23.6

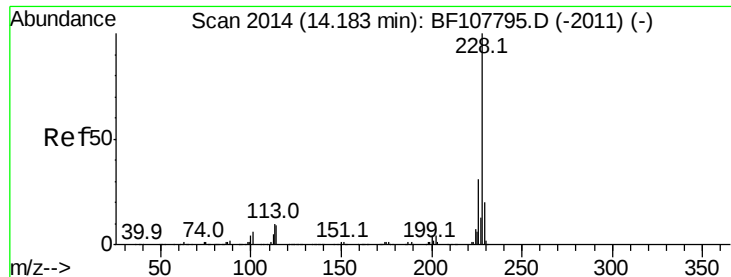
Abundance

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





#82

Chrysene

Concen: 2.495 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

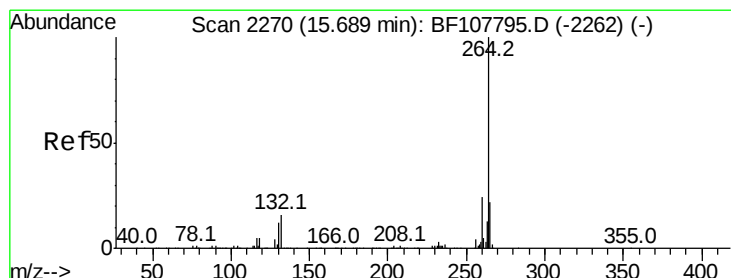
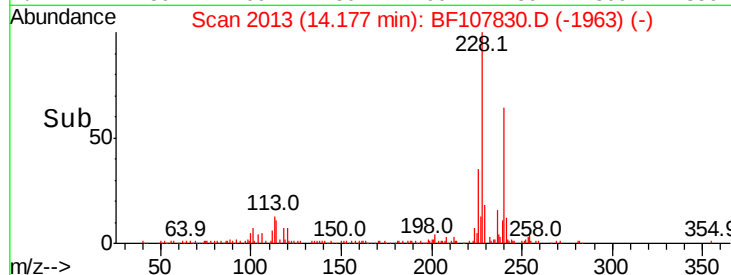
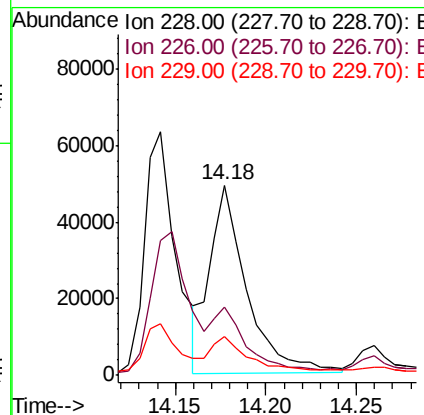
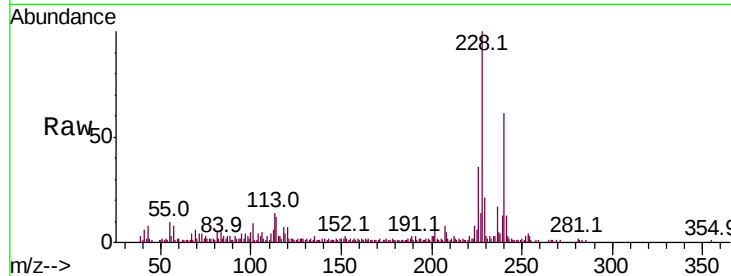
ClientSampleId :

MW-2BDL

Tot Ion:	228	Resp:	70049
Ion Ratio	Lower	Upper	
228	100		
226	36.1	25.0	37.6
229	20.7	16.2	24.4

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

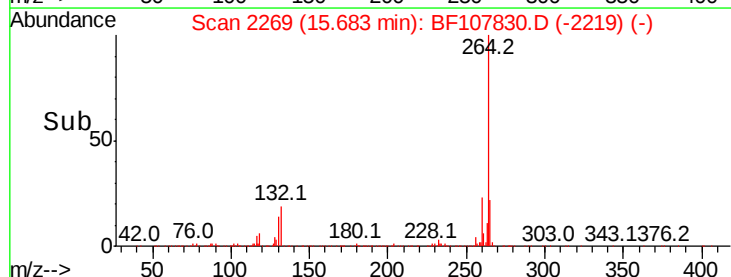
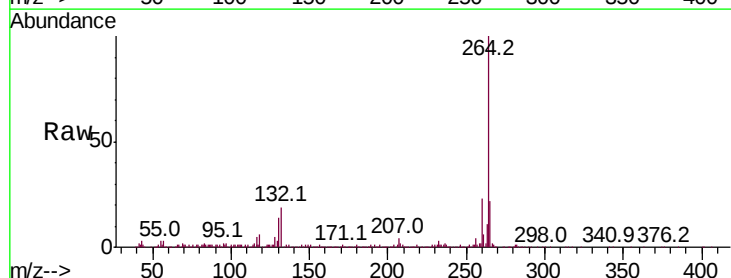
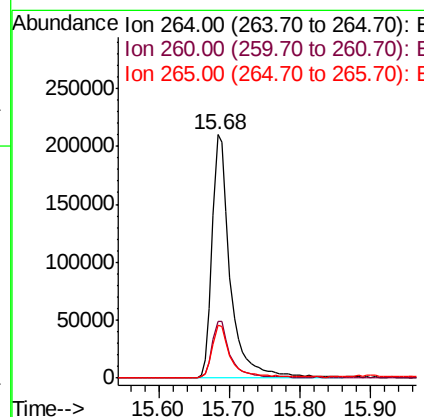
RT: 15.68 min Scan# 2269

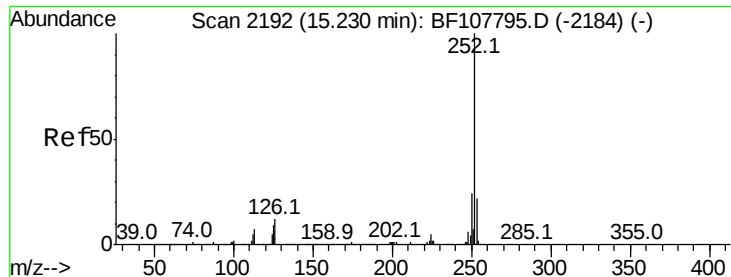
Delta R.T. -0.01 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Tgt Ion:	264	Resp:	380556
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 2.339 ng/mL

RT: 15.23 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Instrument :

BNA_F

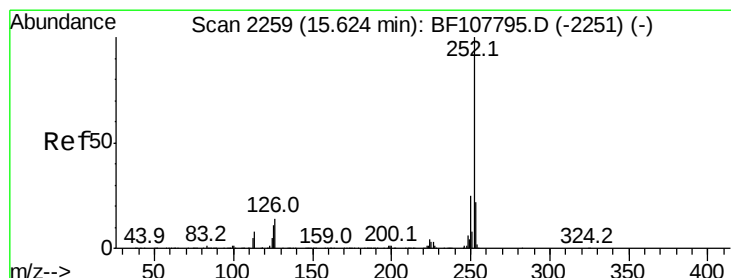
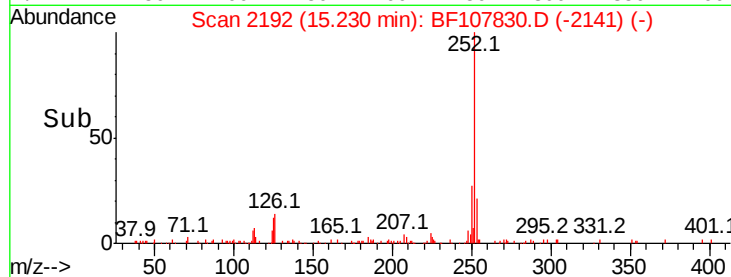
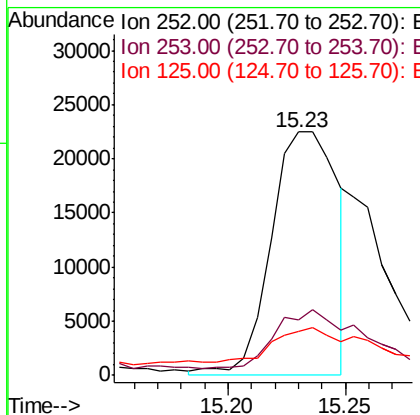
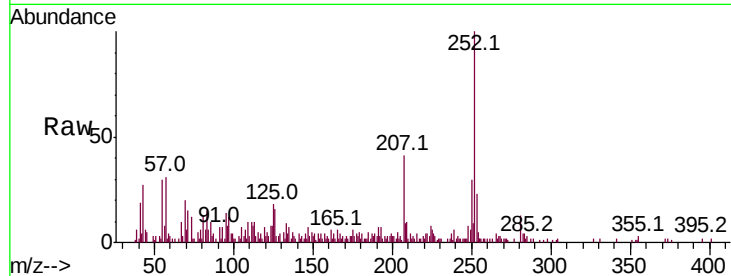
ClientSampleId :

MW-2BDL

Tot Ion:	252	Resp:	43895
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	17.8	9.0	13.6

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 2.853 ng/mL

RT: 15.62 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BF107830.D

Acq: 31 Jul 2018 5:18

Tgt Ion:	252	Resp:	55282
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	15.9	9.8	14.6

