

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109835.D
 Acq On : 12 Oct 2018 15:57
 Operator : JU/SJ
 Sample : J5314-06DL 50X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-23DL

Manual Integrations
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Sohil
 10/15/2018 10:28:25 AM

Quant Time: Oct 12 17:39:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	82000	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	451136	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	211164	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	373910	20.00	ng	0.00
75) Chrysene-d12	13.83	240	209815	20.00	ng	0.00
86) Perylene-d12	15.23	264	216341	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.69	99	12528m	2.03	ng	0.34
23) Nitrobenzene-d5	7.37	82	6354m	0.78	ng	0.11
41) 2,4,6-Tribromophenol	10.52	330	2256	0.98	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	16249	1.06	ng	0.00
78) Terphenyl-d14	12.78	244	13945	1.29	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	7.99	128	112979	5.415	ng	98
51) Acenaphthene	9.75	154	80277	6.572	ng	96
54) Dibenzofuran	9.93	168	78461	4.285	ng	94
57) Fluorene	10.27	166	107494	7.862	ng	97
70) Phenanthrene	11.23	178	940477	50.261	ng	99
71) Anthracene	11.28	178	381422	19.719	ng	99
72) Carbazole	11.45	167	103599	5.522	ng	99
74) Fluoranthene	12.42	202	1225231	62.678	ng	98
77) Pyrene	12.64	202	998673	64.965	ng	99
80) Benzo(a)anthracene	13.82	228	479793	41.439	ng	98
82) Chrysene	13.86	228	398518	32.768	ng	97
85) Indeno(1,2,3-cd)pyrene	16.58	276	191082	21.951	ng	# 90
87) Benzo(b)fluoranthene	14.84	252	450620m	37.692	ng	
88) Benzo(k)fluoranthene	14.86	252	168228m	14.005	ng	
89) Benzo(a)pyrene	15.17	252	343046	31.619	ng	98
90) Dibenzo(a,h)anthracene	16.59	278	51021m	5.726	ng	
91) Benzo(g,h,i)perylene	16.99	276	163986	18.430	ng	98

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

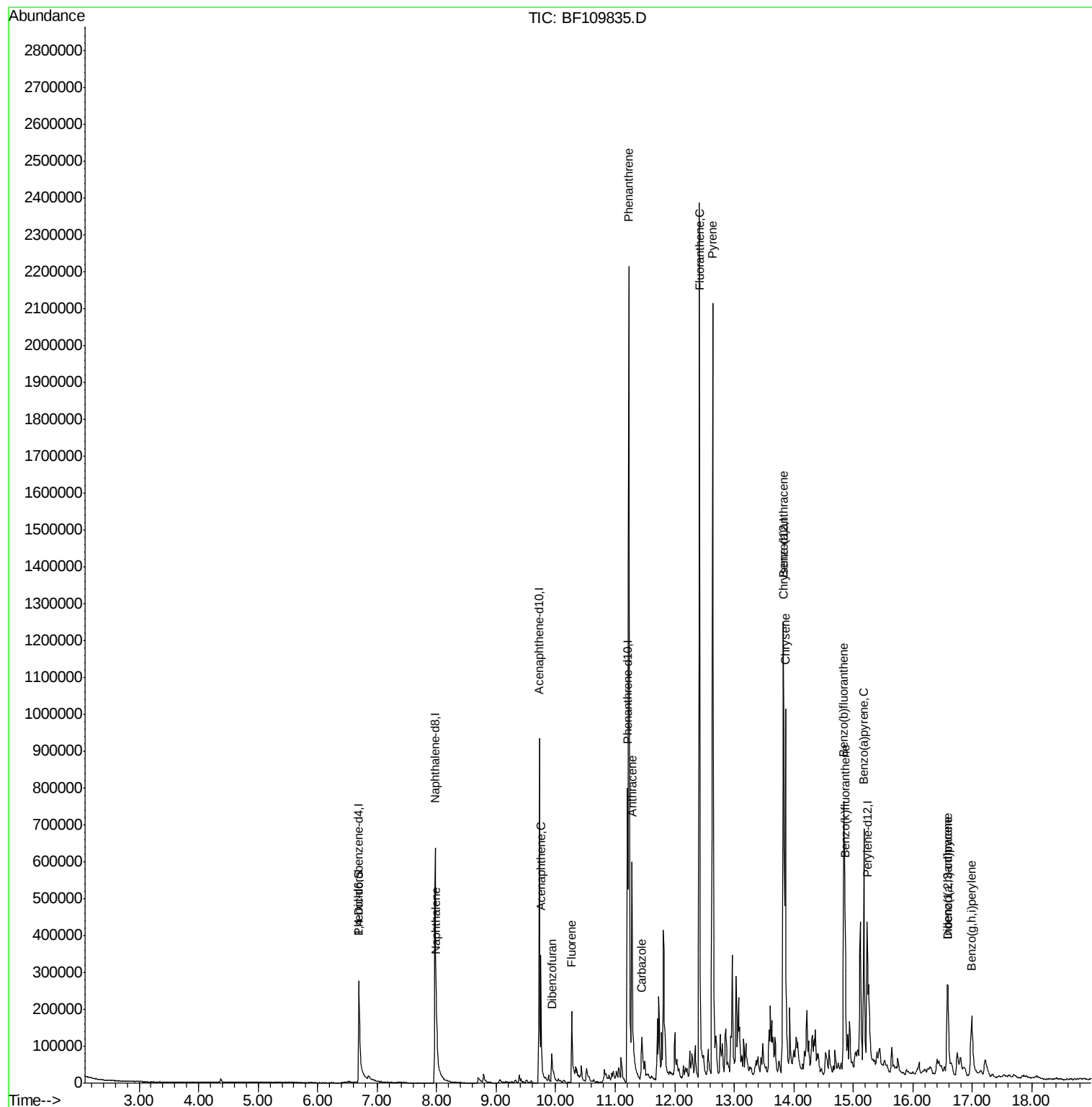
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
Data File : BF109835.D
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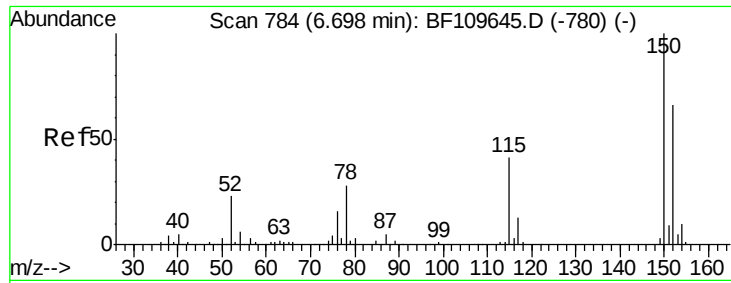
Instrument :
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Quant Time: Oct 12 17:39:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

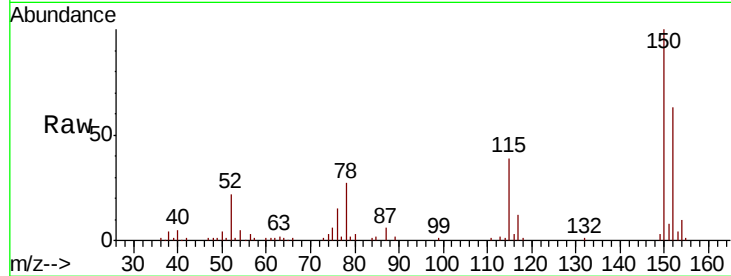
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	122.7	184.1
115	62.0	49.1	73.7

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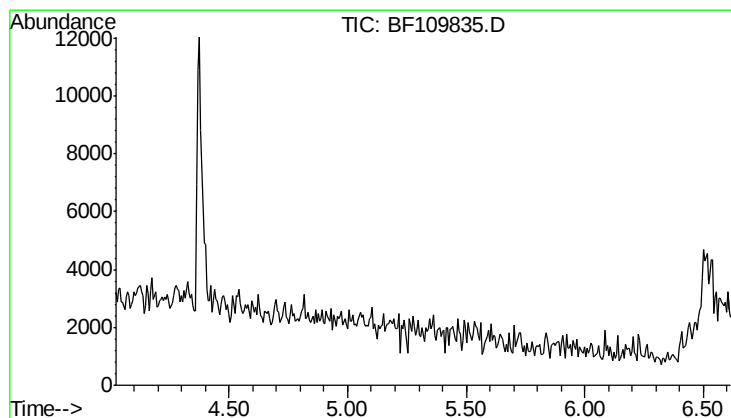
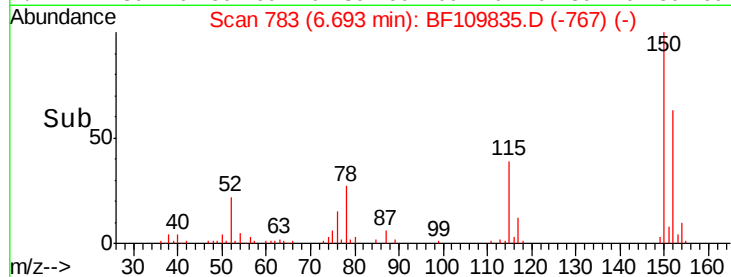
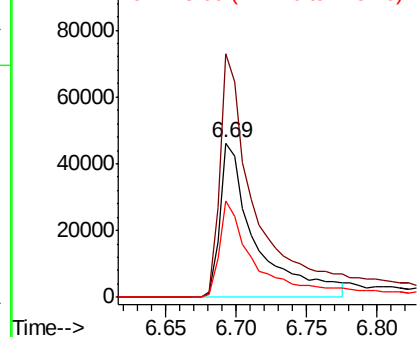


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

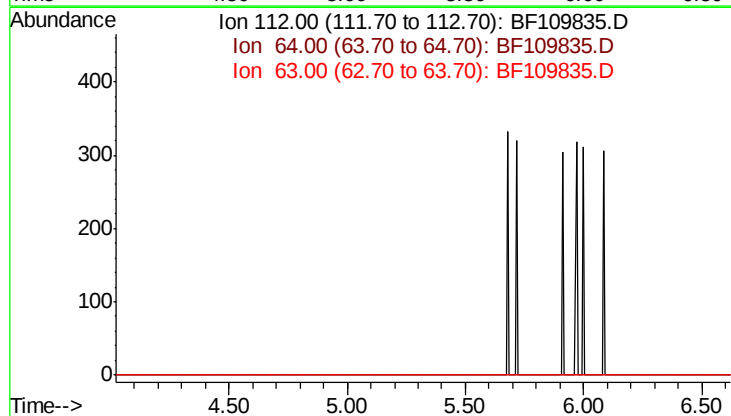


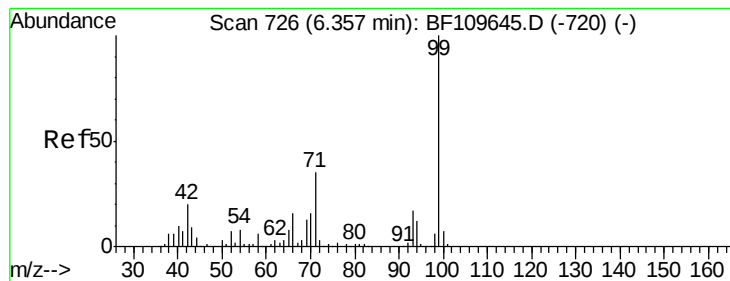
#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.32 min

Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion	Exp Ratio
112	100
64	55.1
63	29.6





#7

Phenol-d6

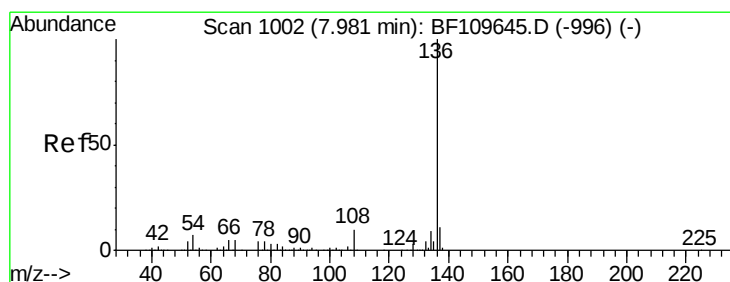
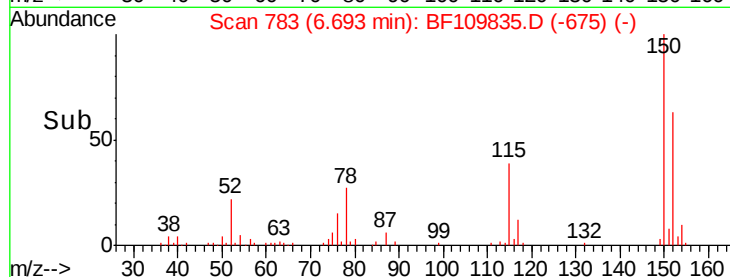
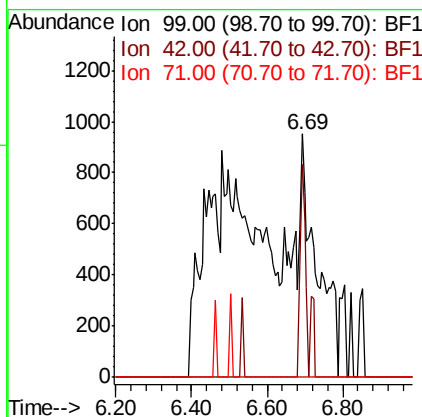
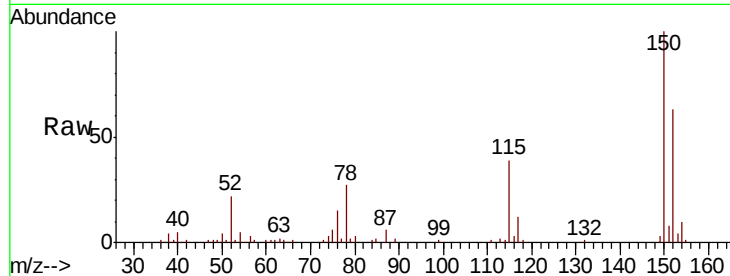
Concen: 2.030 ng/mL
 RT: 6.69 min Scan# 783
 Delta R.T. 0.34 min
 Lab File: BF109835.D
 Acq: 12 Oct 2018 15:57

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-23DL

Tot Ion	Ion	Ratio	Lower	Upper
99	100			
42	87.4	15.8	23.6	#
71	0.0	28.0	42.0	#

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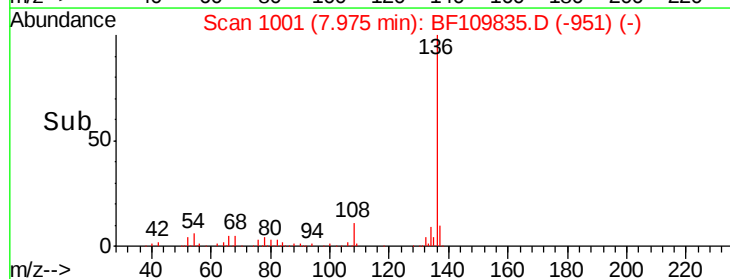
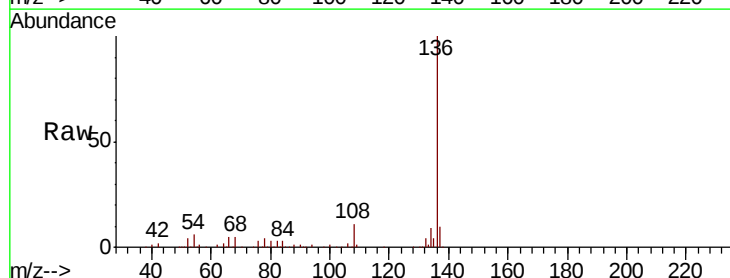
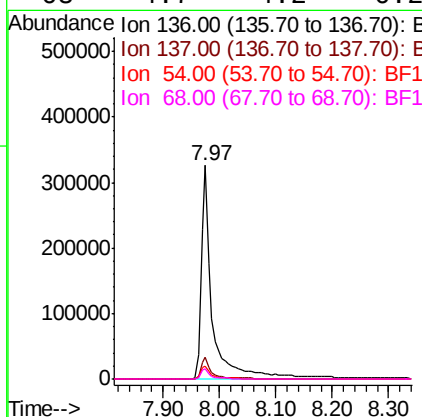


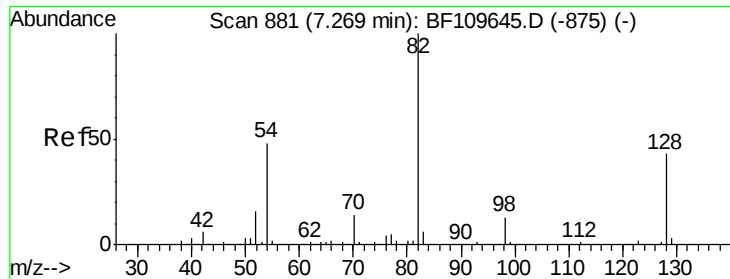
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. -0.01 min
 Lab File: BF109835.D
 Acq: 12 Oct 2018 15:57

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.4	8.8	13.2	
54	6.1	5.4	8.2	
68	4.7	4.2	6.2	





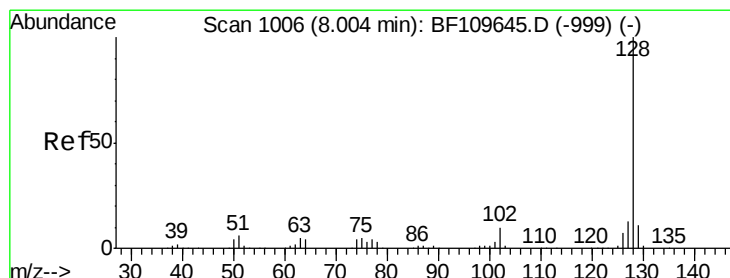
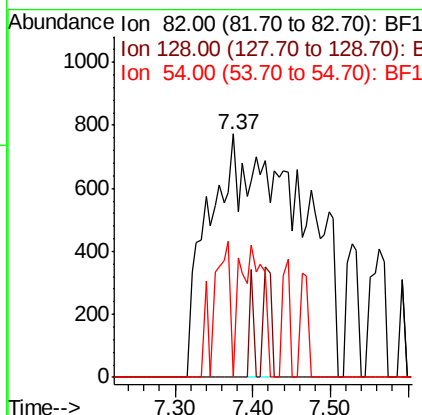
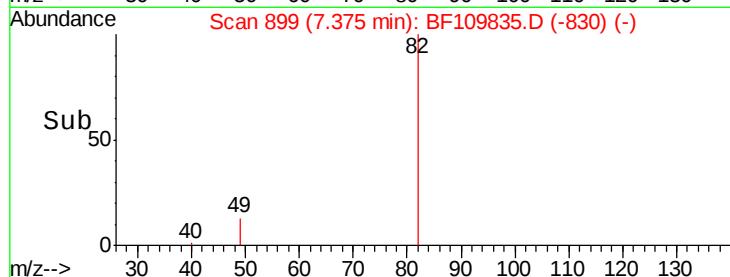
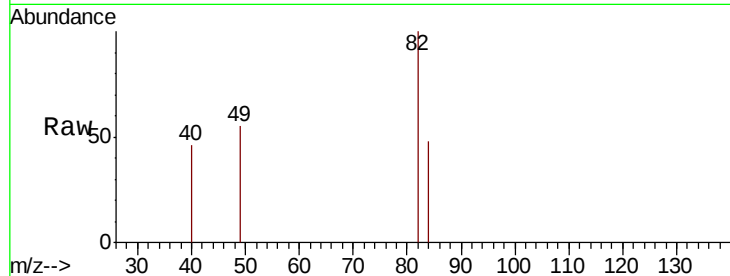
#23
Nitrobenzene-d5
Concen: 0.776 ng/ml
RT: 7.37 min Scan# 899
Delta R.T. 0.11 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleID :
DOCUMENTATION-23DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	34.2	51.2#
54	0.0	38.6	58.0#

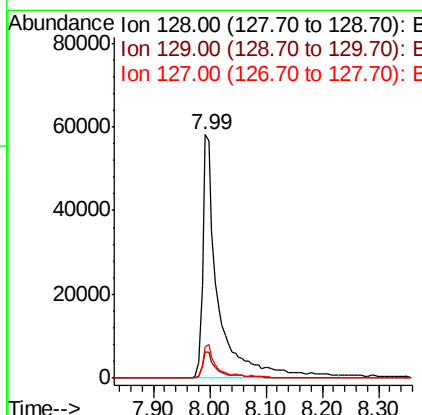
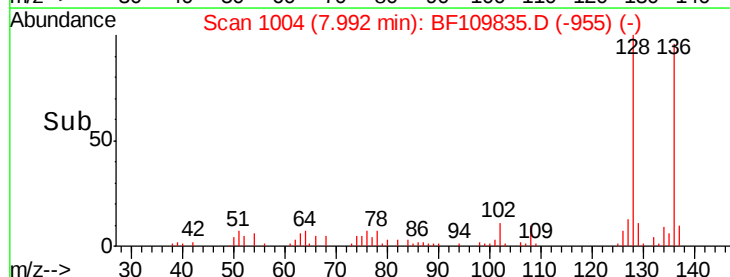
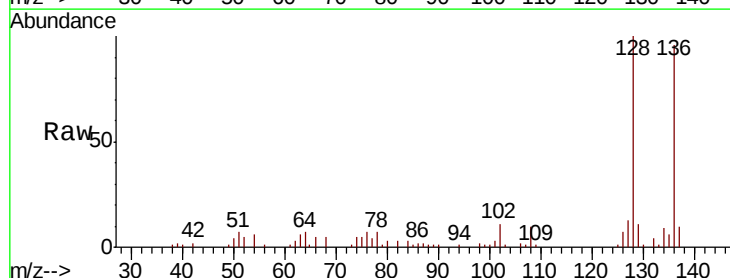
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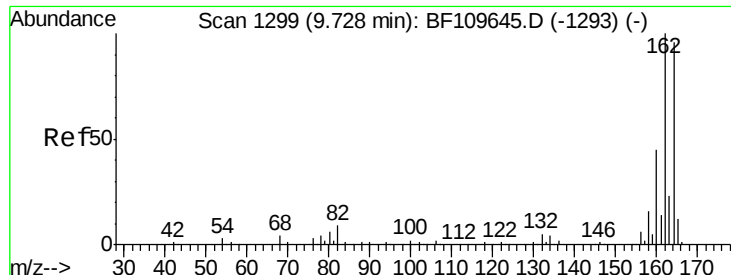
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#31
Naphthalene
Concen: 5.415 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.7	10.8	16.2





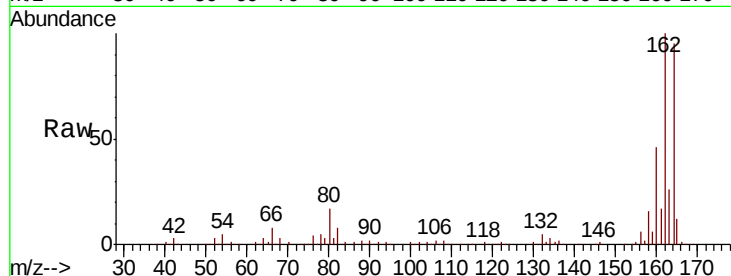
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.4	83.0	124.6	
160	48.5	37.0	55.6	

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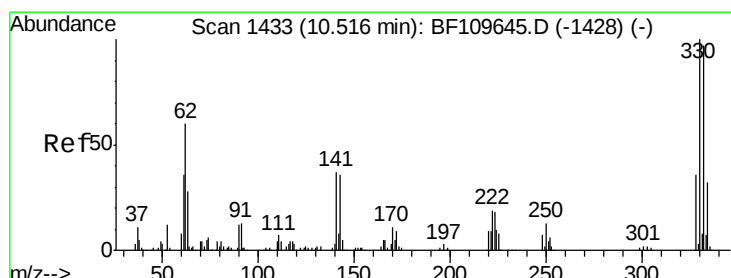
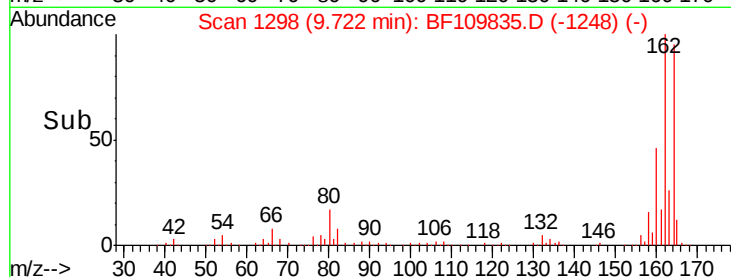
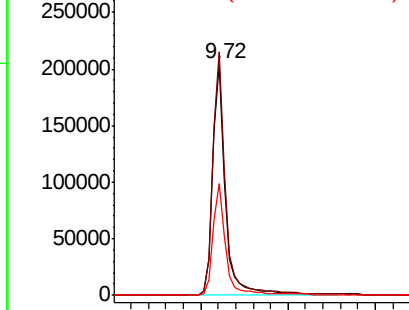


Abundance

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: 0.981 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

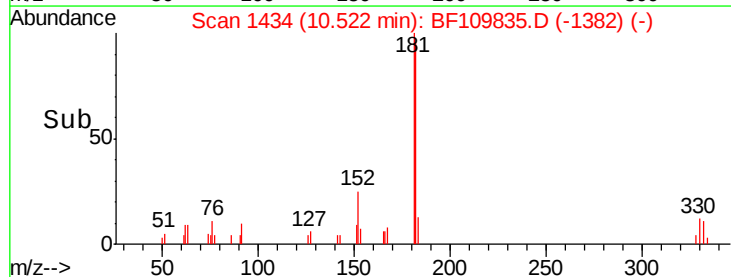
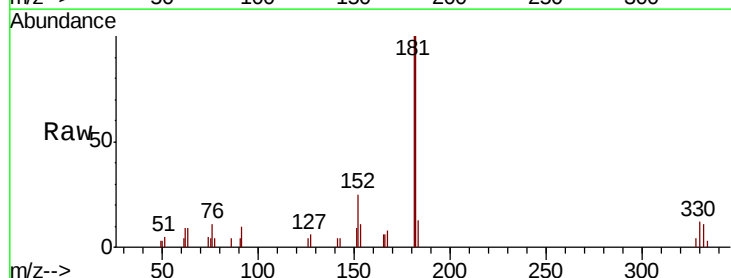
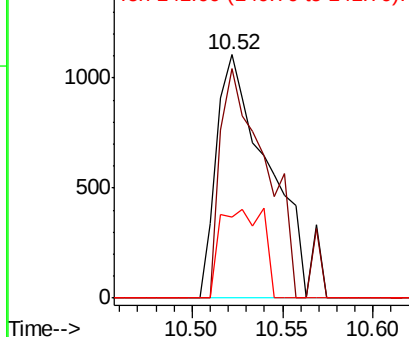
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	79.3	77.1	115.7	
141	29.6	27.0	40.4	

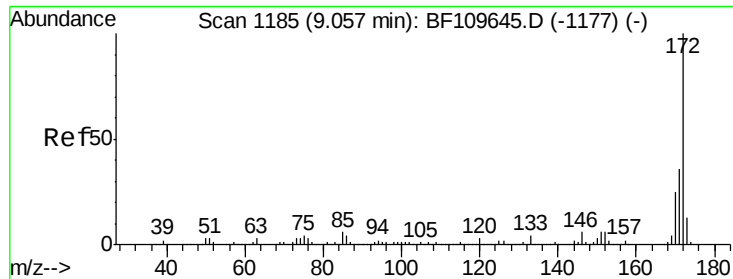
Abundance

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





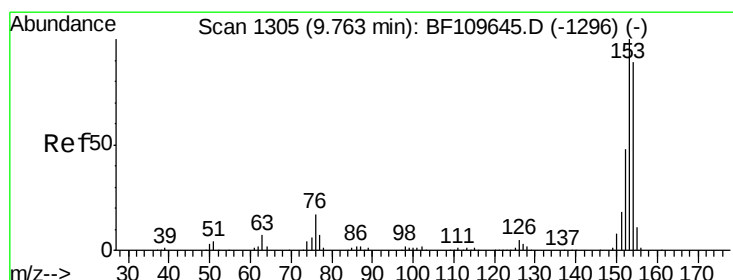
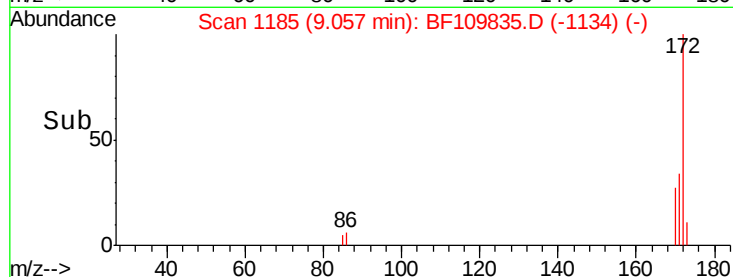
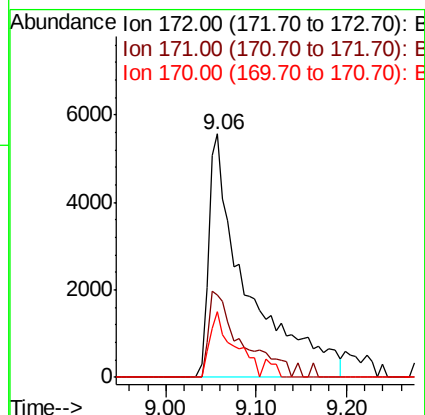
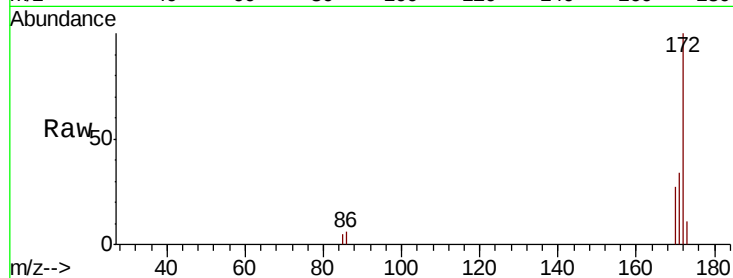
#44
2-Fluorobiphenyl
Concen: 1.060 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.6	43.0
170	27.2	19.7	29.5

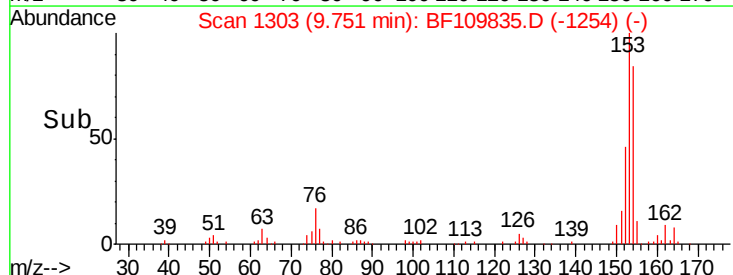
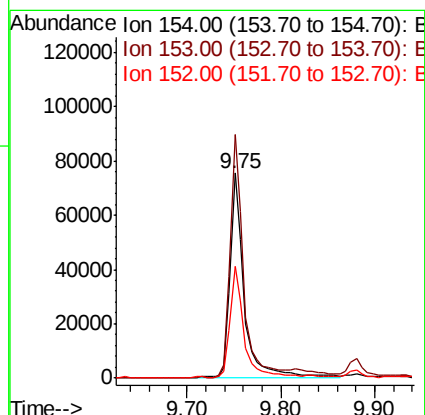
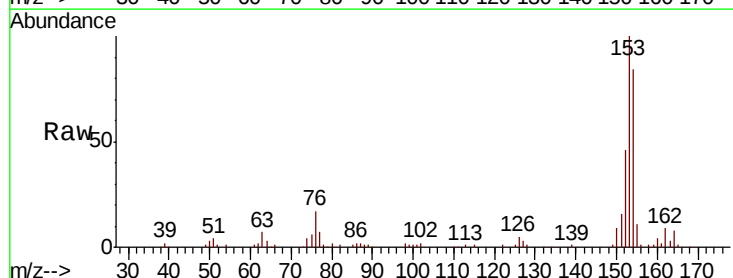
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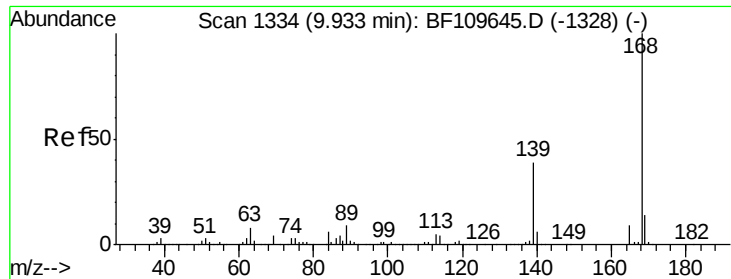
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#51
Acenaphthene
Concen: 6.572 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.7	90.1	135.1
152	54.7	43.4	65.2





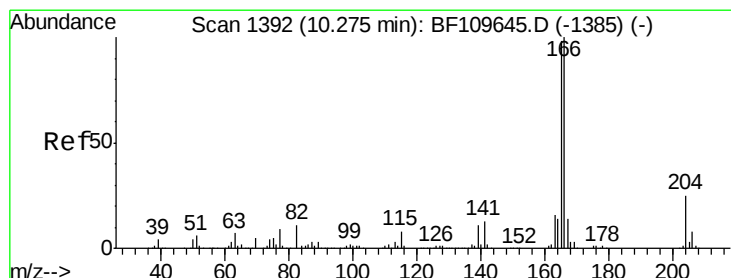
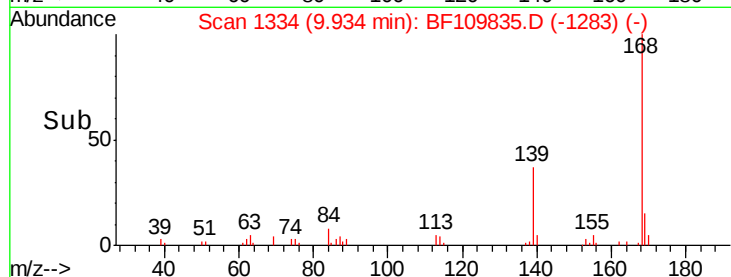
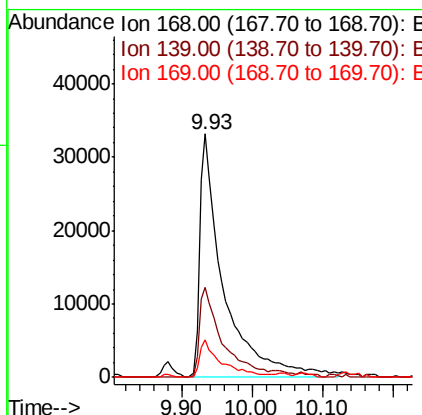
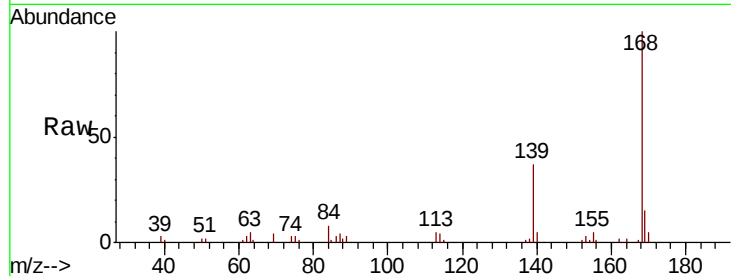
#54
Dibenzofuran
Concen: 4.285 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.8	33.0	49.6
169	15.2	11.3	16.9

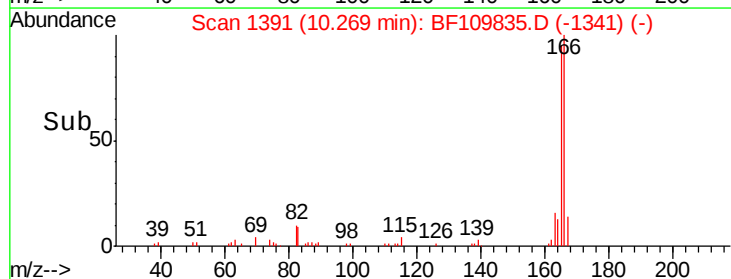
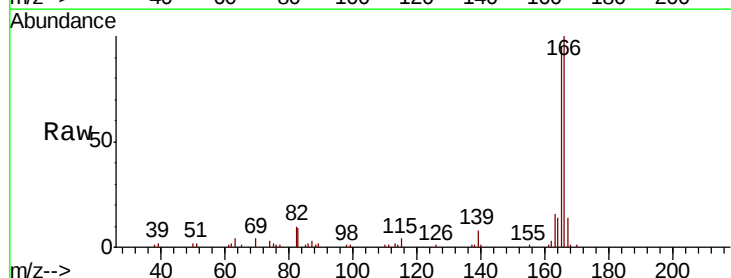
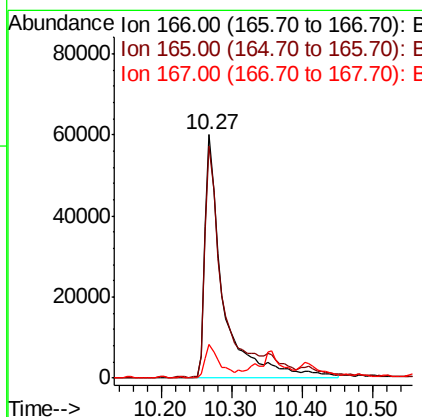
Manual Integrations
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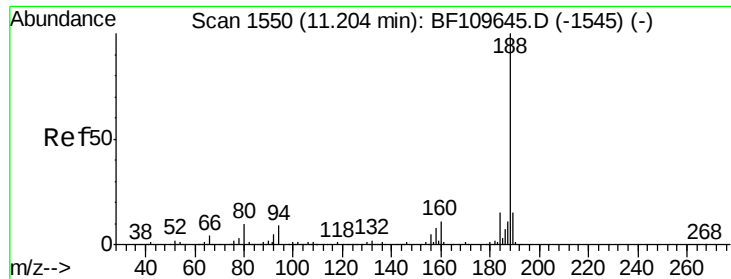
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10/15/2018 10:28:25 AM



#57
Fluorene
Concen: 7.862 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.3	78.6	117.8
167	13.7	10.8	16.2





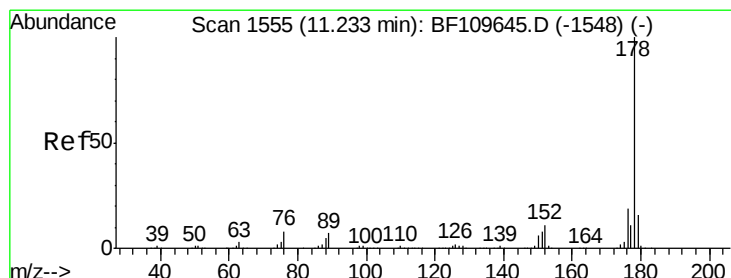
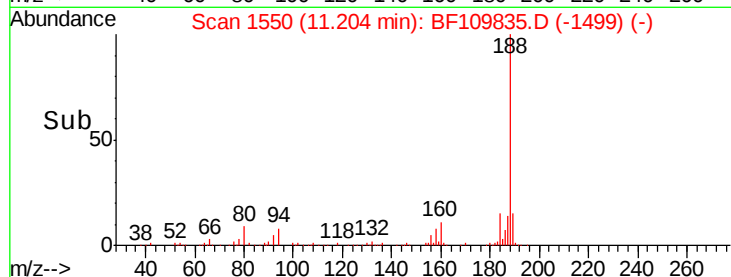
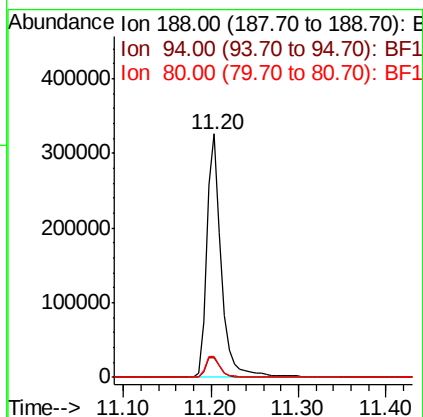
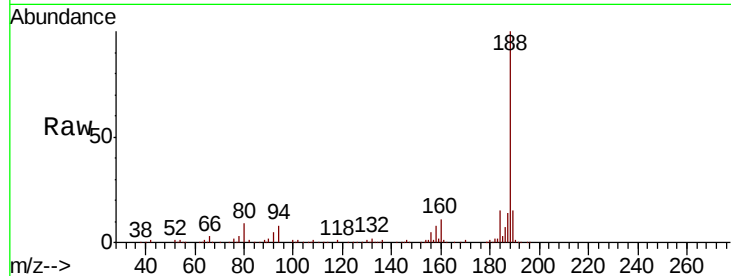
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	373910		
94	8.2		7.2	10.8
80	8.7		7.9	11.9

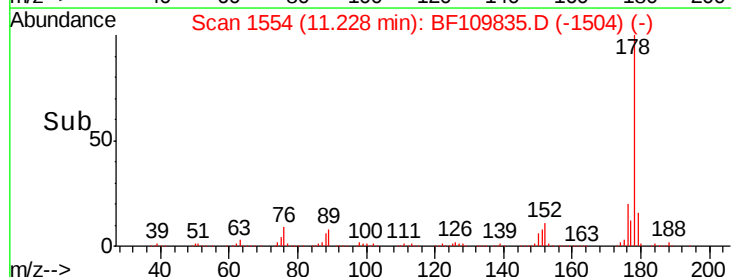
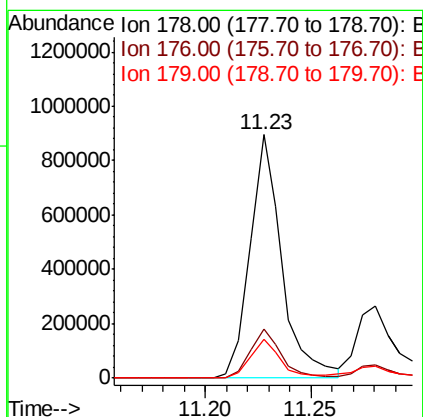
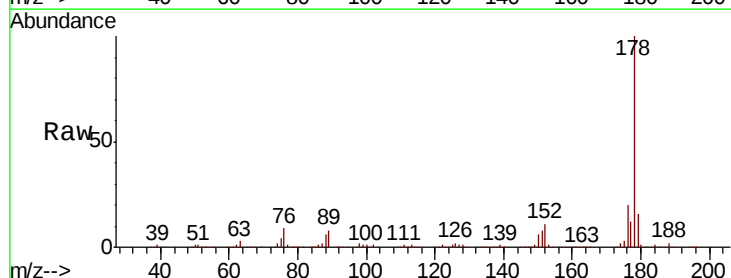
Manual Integrations
APPROVED

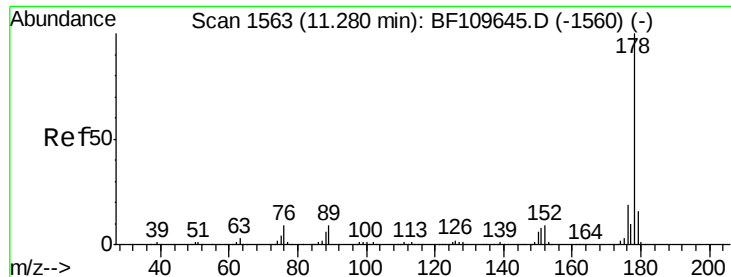
Sohil
10/15/2018 10:28:25 AM



#70
Phenanthrene
Concen: 50.261 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	940477		
176	20.1		15.5	23.3
179	15.9		12.5	18.7





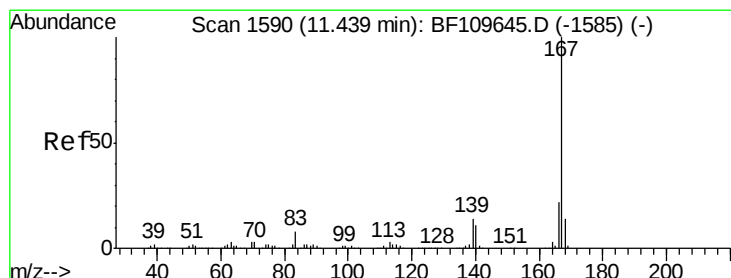
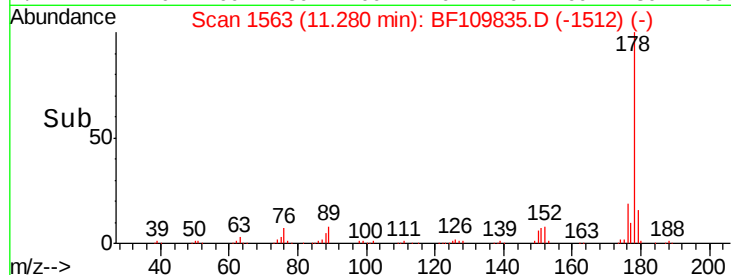
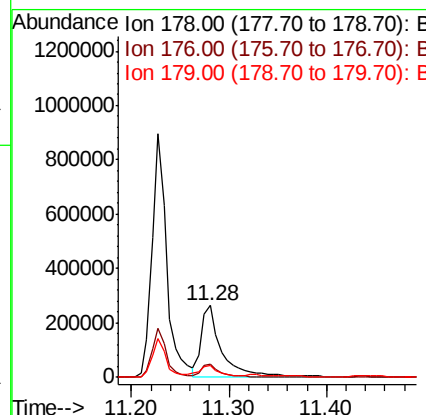
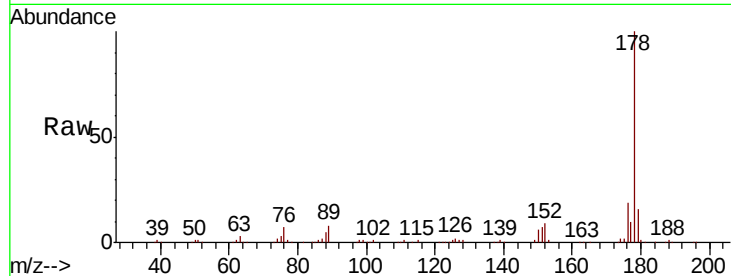
#71
 Anthracene
 Concen: 19.719 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: BF109835.D
 Acq: 12 Oct 2018 15:57

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-23DL

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.8	15.4	23.2	
179	16.3	12.6	18.8	

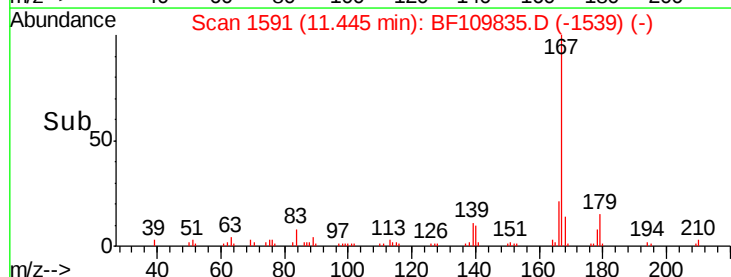
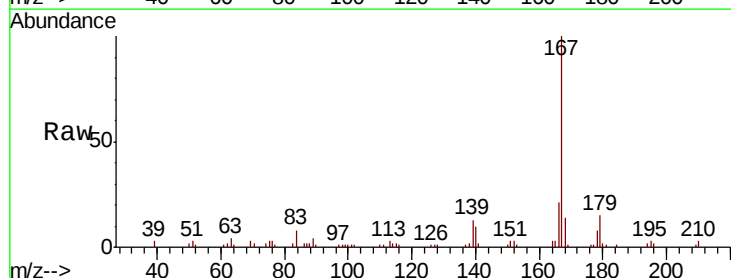
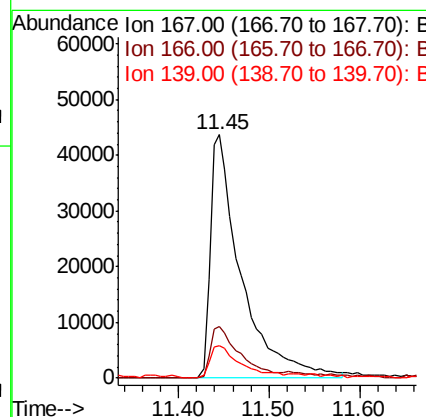
Manual Integrations
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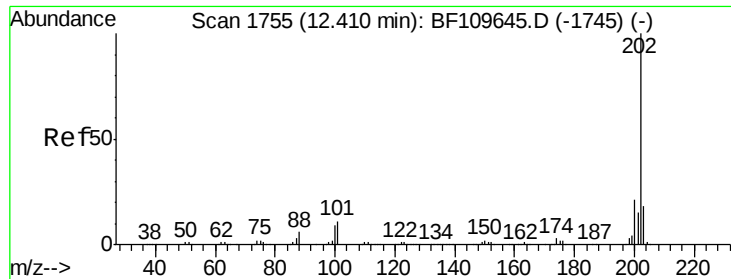
Sohil
 10/15/2018 10:28:25 AM



#72
 Carbazole
 Concen: 5.522 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: BF109835.D
 Acq: 12 Oct 2018 15:57

Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	21.1	17.4	26.0	
139	13.2	10.9	16.3	





#74

Fluoranthene

Concen: 62.678 ng

RT: 12.42 min Scan# 1756

Delta R.T. 0.01 min

Lab File: BF109835.D

Acq: 12 Oct 2018 15:57

Instrument :

BNA_F

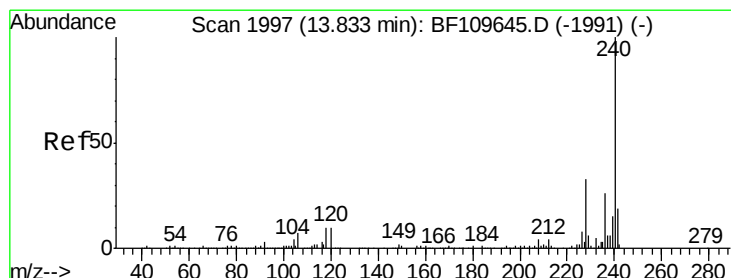
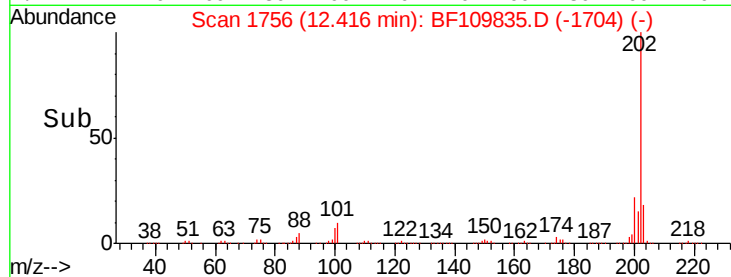
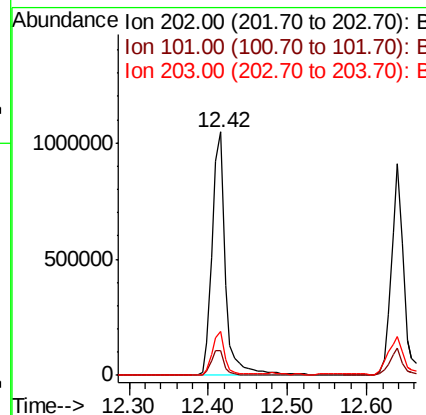
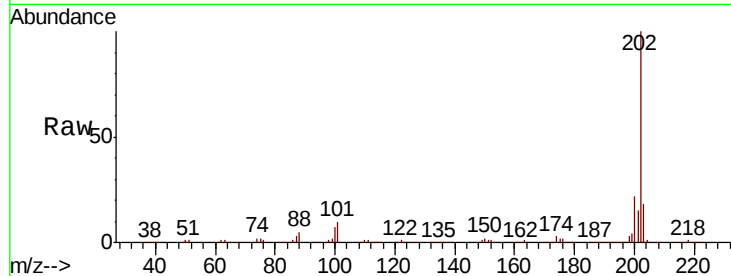
ClientSampled :

DOCUMENTATION-23DL

Tot Ion:	202	Resp:	1225231
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	31.4
203	17.9	0.0	37.7

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#75

Chrysene-d12

Concen: 20.000 ng

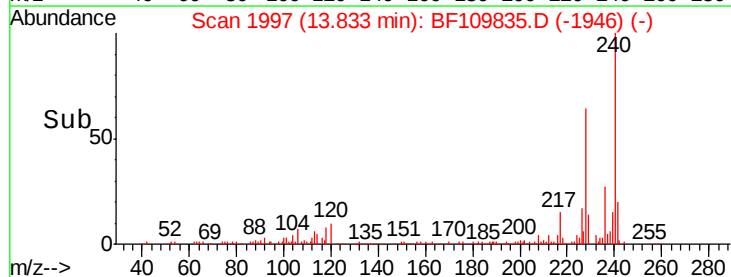
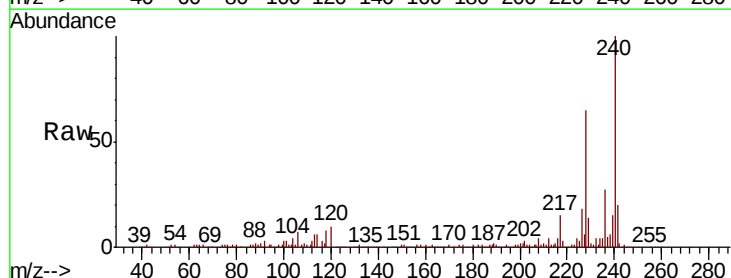
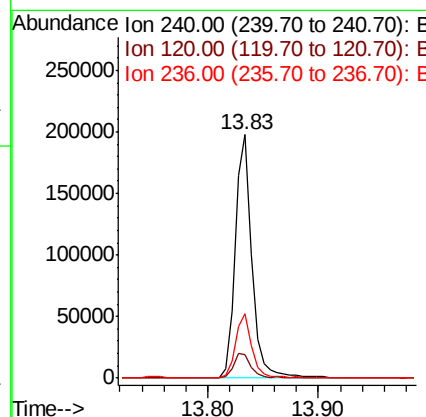
RT: 13.83 min Scan# 1997

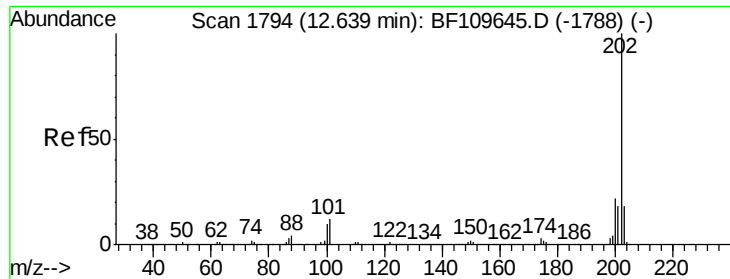
Delta R.T. 0.00 min

Lab File: BF109835.D

Acq: 12 Oct 2018 15:57

Tgt Ion:	240	Resp:	209815
Ion Ratio	Lower	Upper	
240	100		
120	9.5	8.3	12.5
236	26.7	21.2	31.8





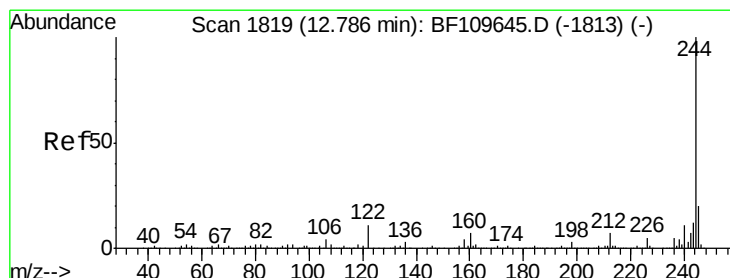
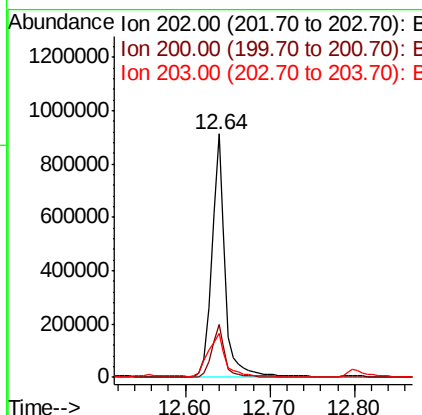
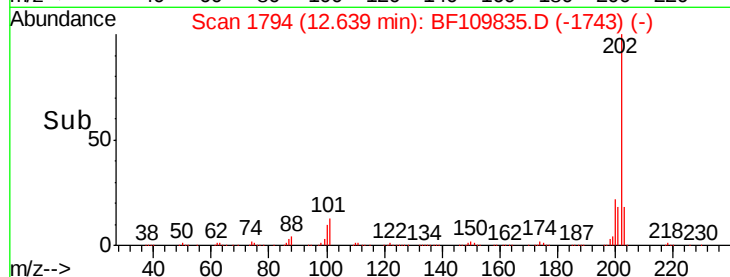
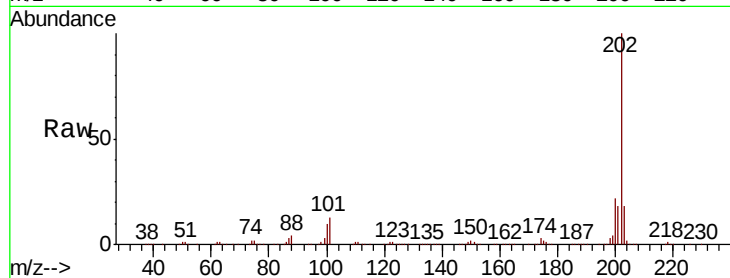
#77
Pvrene
Concen: 64.965 ng
RT: 12.64 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.8	26.6
203	18.3	14.2	21.4

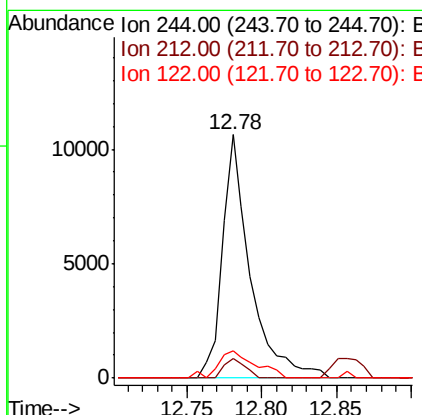
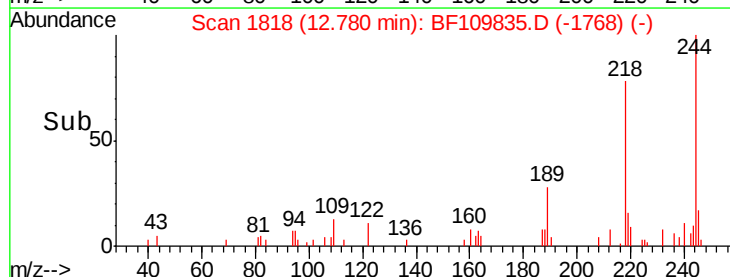
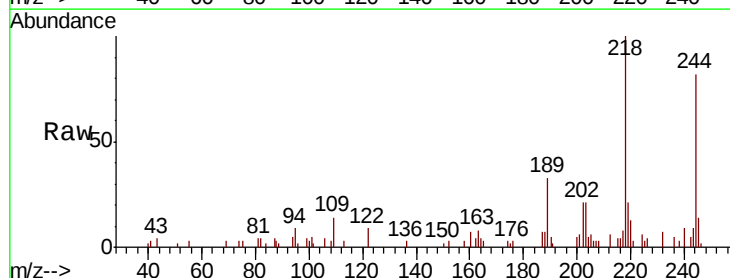
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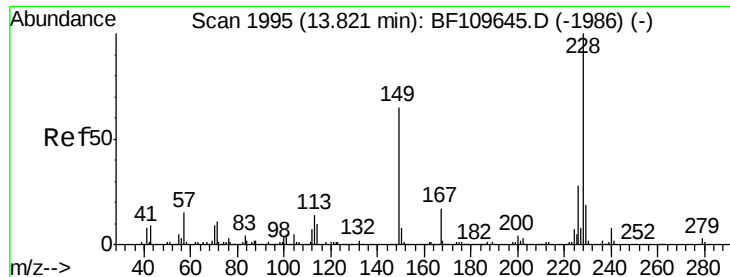
Sohil
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#78
Terphenyl-d14
Concen: 1.287 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	11.4	8.7	13.1





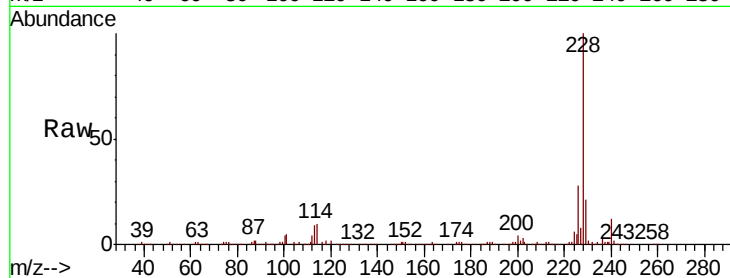
#80
Benzo(a)anthracene
Concen: 41.439 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.1	33.1
229	20.6	15.6	23.4

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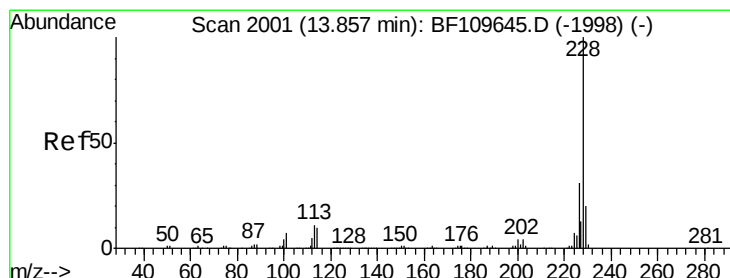
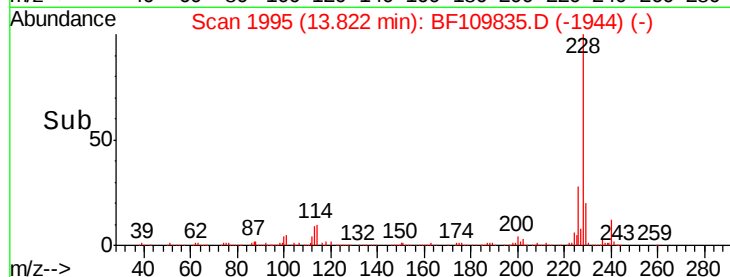
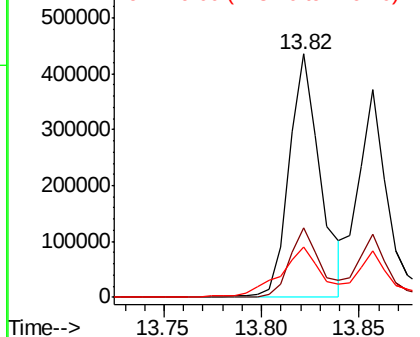


Abundance

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



#82
Chrysene
Concen: 32.768 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

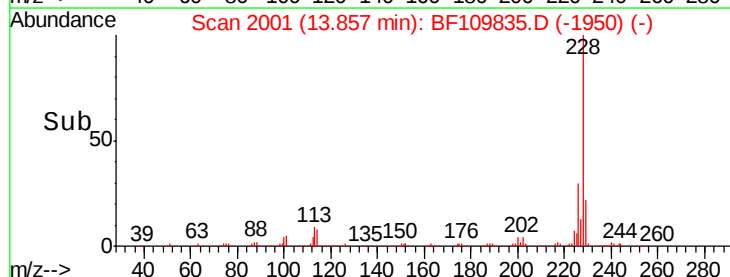
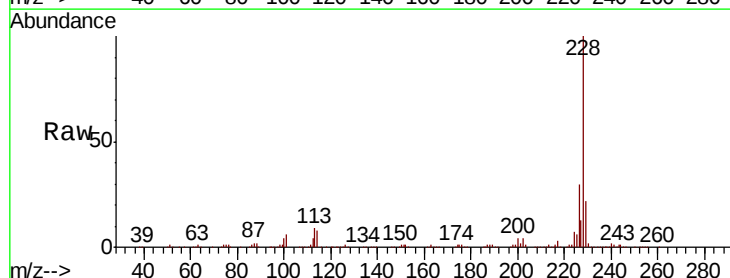
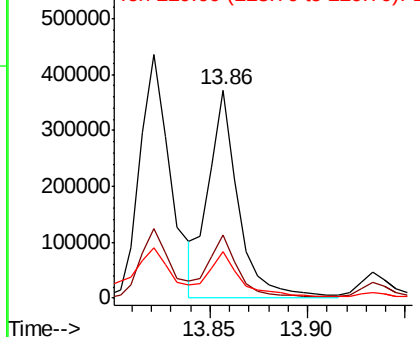
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.7	37.1
229	22.4	15.9	23.9

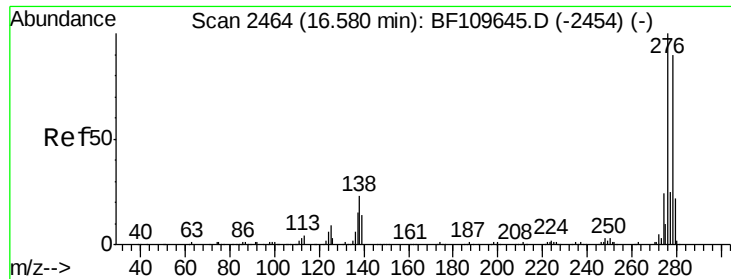
Abundance

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





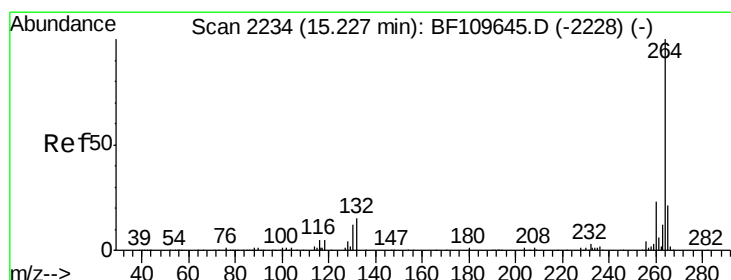
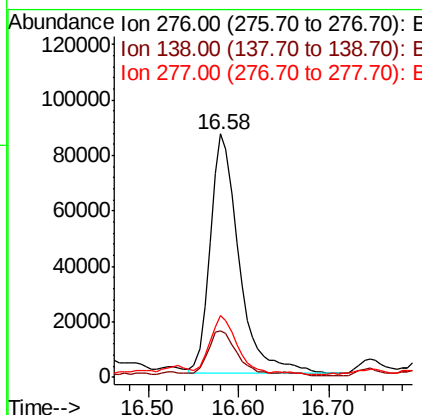
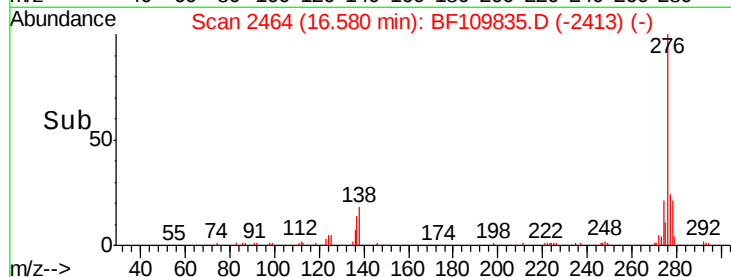
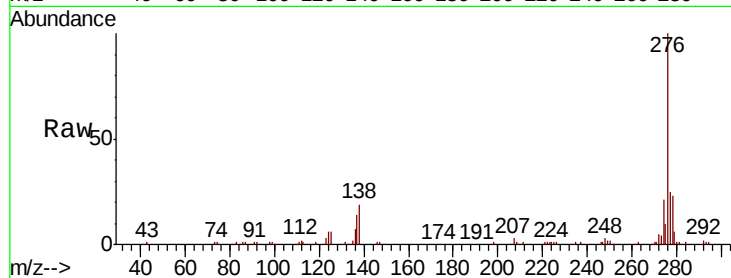
#85
Indeno(1,2,3-cd)pyrene
Concen: 21.951 ng
RT: 16.58 min Scan# 2464
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.5	18.5	27.7#
277	20.7	20.0	30.0

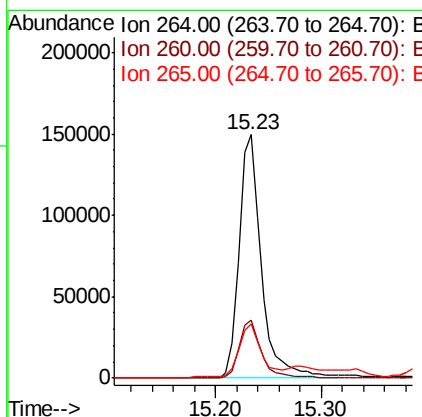
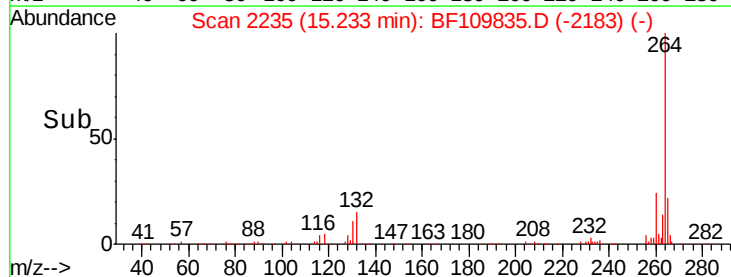
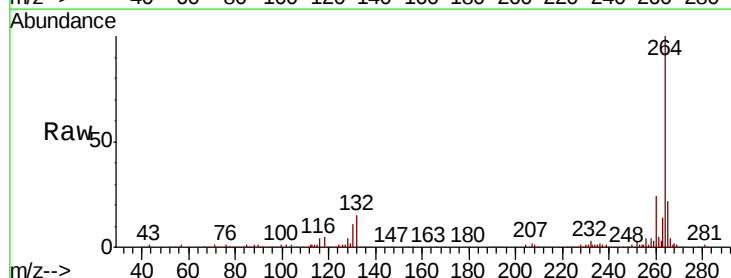
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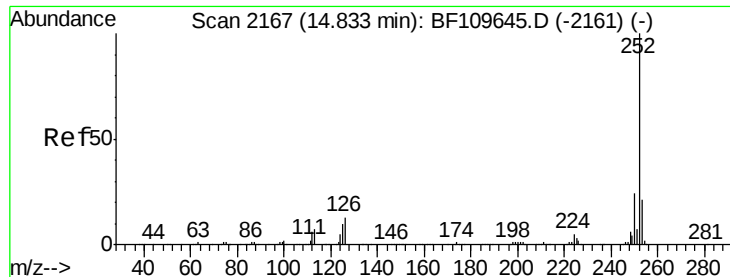
Sohil
10/15/2018 10:28:25 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.1	16.7	25.1





#87

Benzo(b)fluoranthene

Concen: 37.692 ng m

RT: 14.84 min Scan# 2168

Delta R.T. 0.01 min

Lab File: BF109835.D

Acq: 12 Oct 2018 15:57

Instrument :

BNA_F

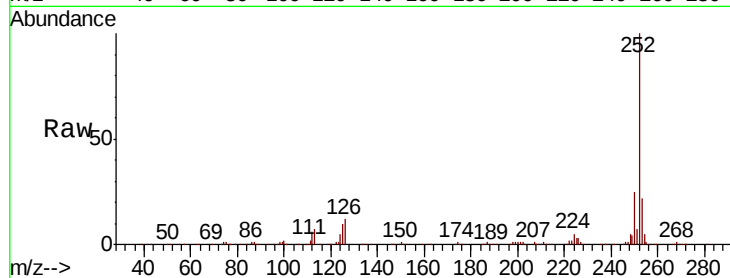
ClientSampleId :

DOCUMENTATION-23DL

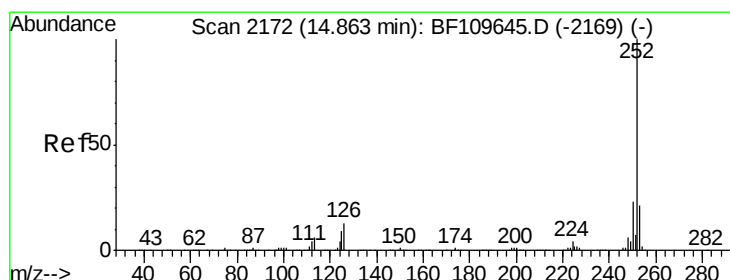
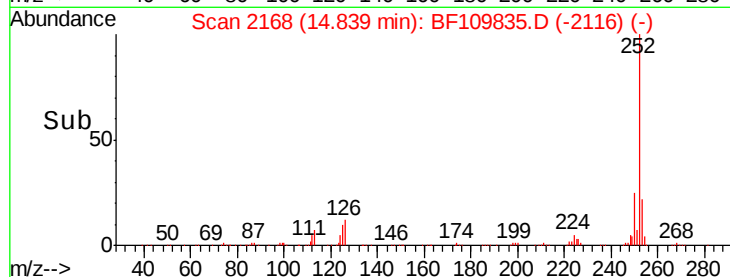
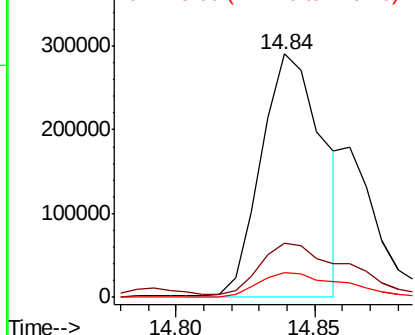
Tot Ion:	252	Resp:	450620
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.2	25.8
125	10.1	8.2	12.4

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 14.005 ng m

RT: 14.86 min Scan# 2172

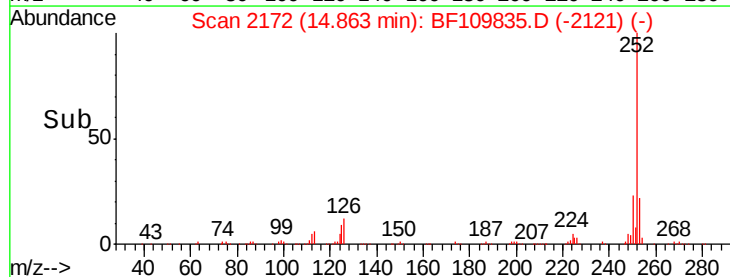
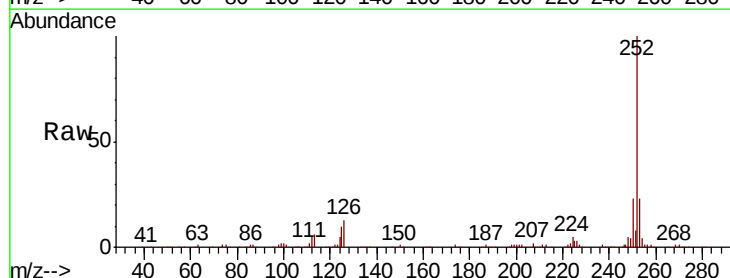
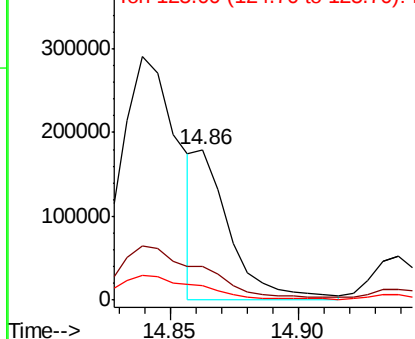
Delta R.T. 0.00 min

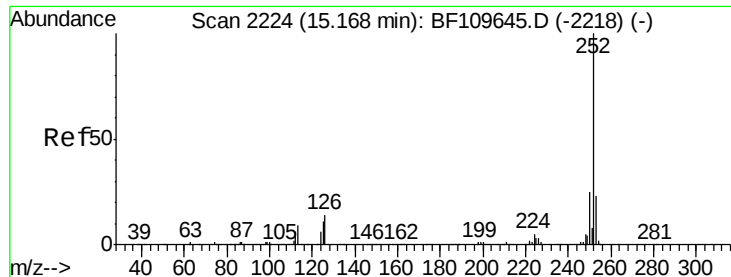
Lab File: BF109835.D

Acq: 12 Oct 2018 15:57

Tgt Ion:	252	Resp:	168228
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.2	25.8
125	9.6	7.4	11.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





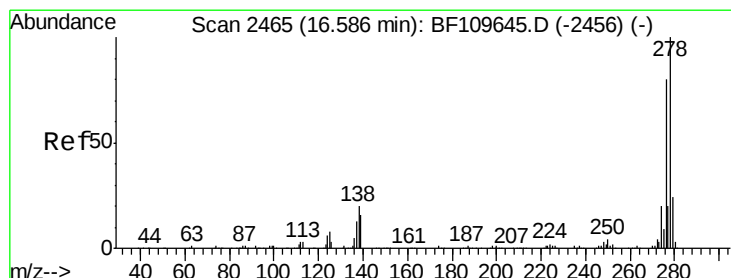
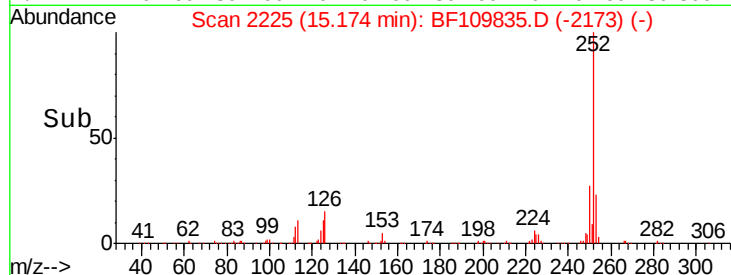
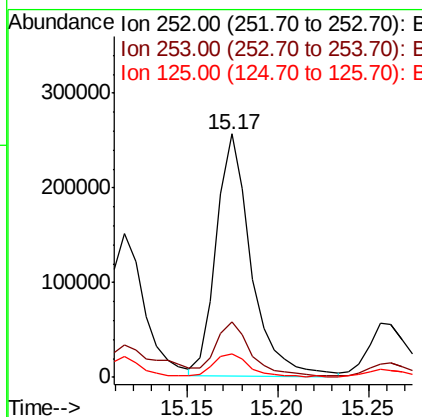
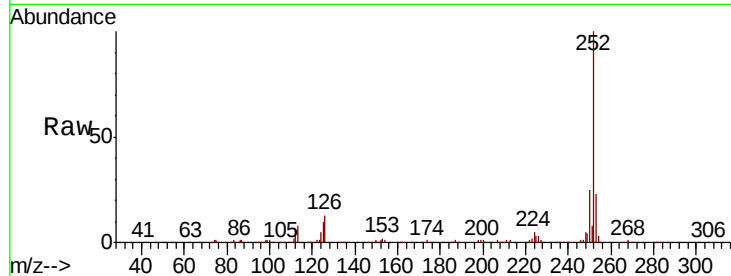
#89
Benzo(a)pyrene
Concen: 31.619 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	9.8	9.0	13.6

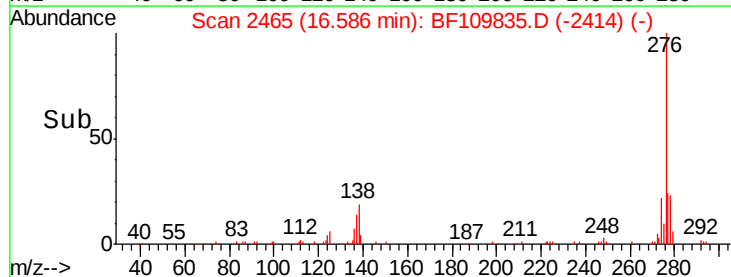
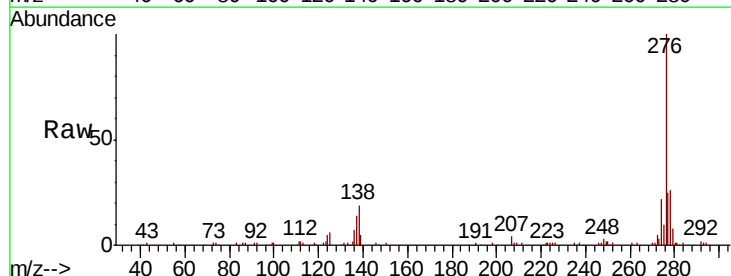
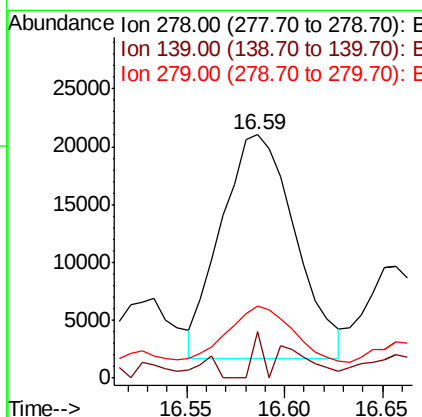
Manual Integrations
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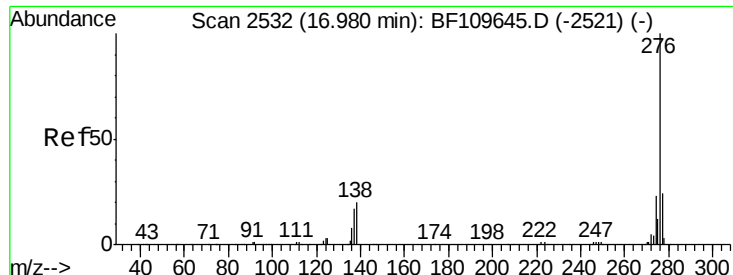
Sohil
10/15/2018 10:28:25 AM



#90
Dibenzo(a,h)anthracene
Concen: 5.726 ng m
RT: 16.59 min Scan# 2465
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.2	12.7	19.1#
279	29.5	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 18.430 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. 0.01 min
 Lab File: BF109835.D
 Acq: 12 Oct 2018 15:57

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-23DL

Tot Ion:	276	Resp:	163986
Ion Ratio		Lower	Upper
276	100		
277	25.0	18.8	28.2
138	20.2	16.0	24.0

Manual Integrations
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Sohil
 10/15/2018 10:28:25 AM

