

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108207.D
 Acq On : 16 Aug 2018 20:50
 Operator : JU/SJ
 Sample : J4499-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSB-07(0-1)

Manual Integrations
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 8/17/2018 3:30:52 PM

Quant Time: Aug 17 04:36:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	156320	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	570454	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	248639	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	427803	20.00	ng	0.00
75) Chrysene-d12	14.21	240	420634	20.00	ng	0.00
86) Perylene-d12	15.77	264	316706	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	347915	40.29	ng	0.00
7) Phenol-d6	6.62	99	440718	38.41	ng	0.00
23) Nitrobenzene-d5	7.57	82	285818	27.96	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	88236	35.58	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	474564	30.64	ng	0.00
78) Terphenyl-d14	13.14	244	433819	26.22	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	41792	2.413	ng	Qvalue # 97
70) Phenanthrene	11.58	178	244071	12.096	ng	97
71) Anthracene	11.63	178	47898	2.316	ng	99
74) Fluoranthene	12.78	202	746804	33.912	ng	95
77) Pyrene	13.01	202	618235	23.215	ng	99
80) Benzo(a)anthracene	14.20	228	349714	14.487	ng	99
82) Chrysene	14.24	228	316969	14.322	ng	99
85) Indeno(1,2,3-cd)pyrene	17.38	276	120262	6.271	ng	# 89
87) Benzo(b)fluoranthene	15.30	252	366404m	19.361	ng	
88) Benzo(k)fluoranthene	15.33	252	150034m	8.625	ng	
89) Benzo(a)pyrene	15.70	252	226195	13.348	ng	96
90) Dibenzo(a,h)anthracene	17.39	278	31945m	2.278	ng	
91) Benzo(a,h,i)perylene	17.88	276	114099	8.264	ng	# 91

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

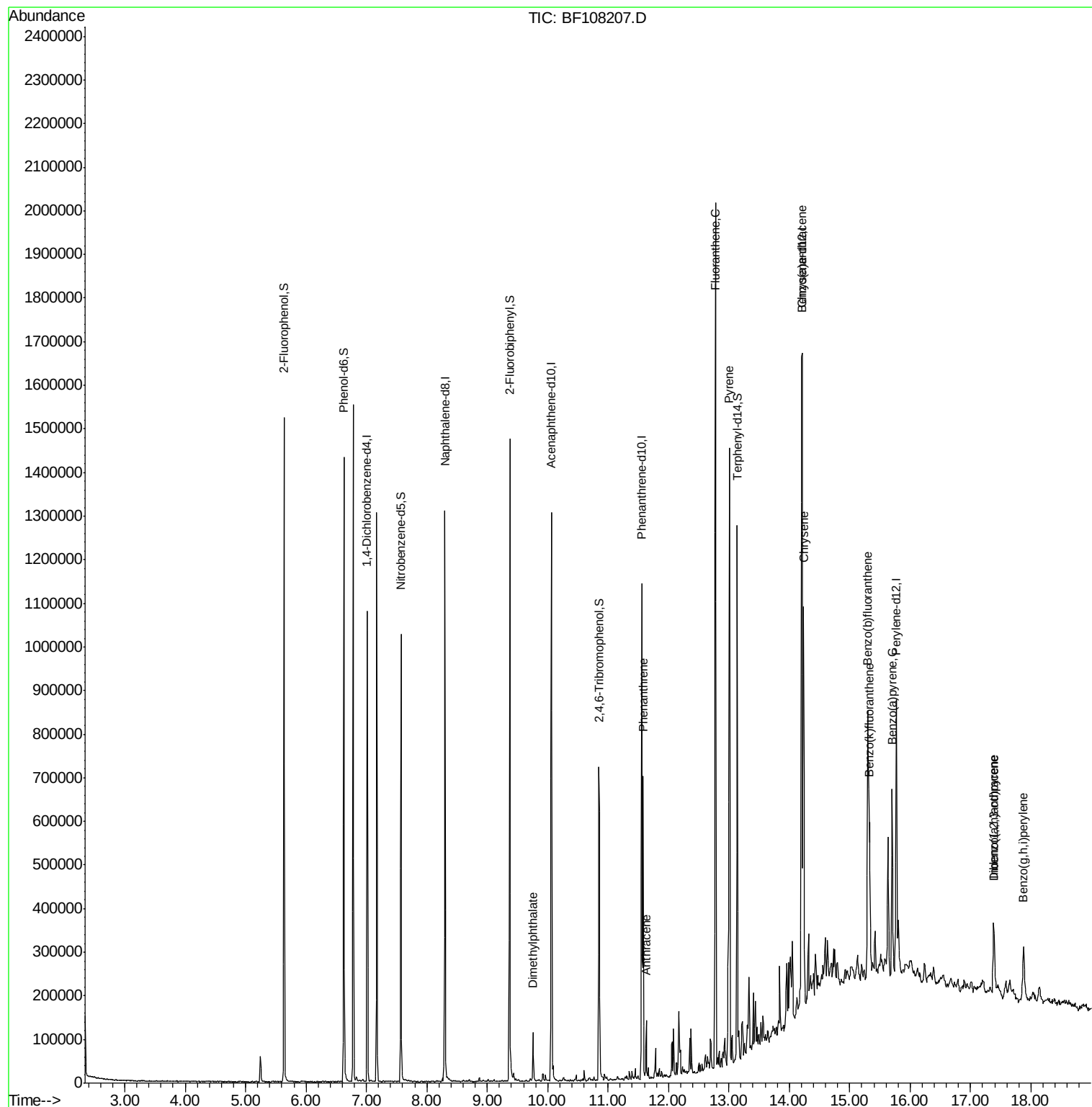
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108207.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

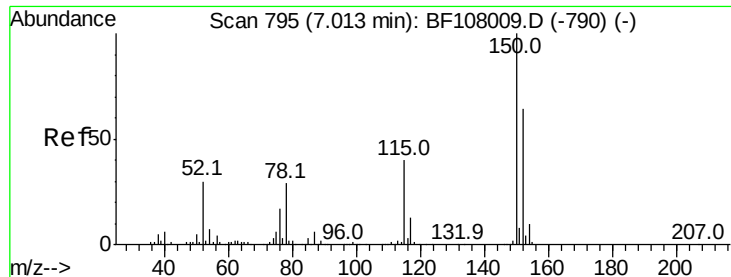
Instrument :
BNA_F
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LSB-07(0-1)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

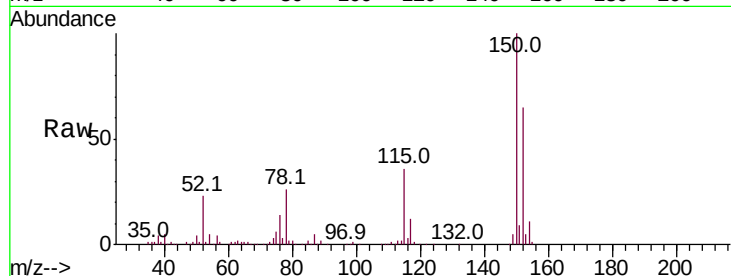
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	56.1	50.1	75.1

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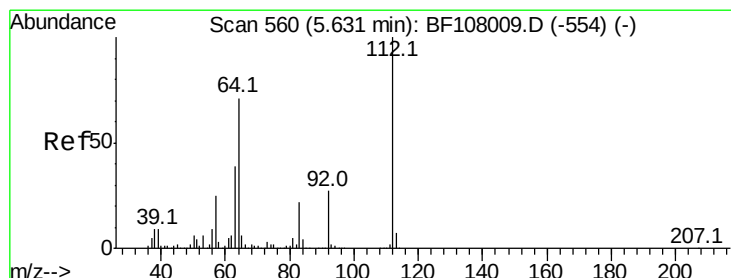
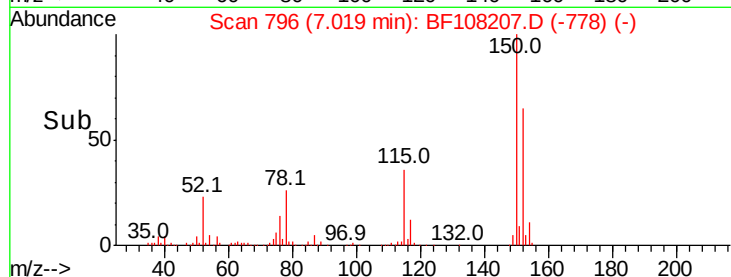
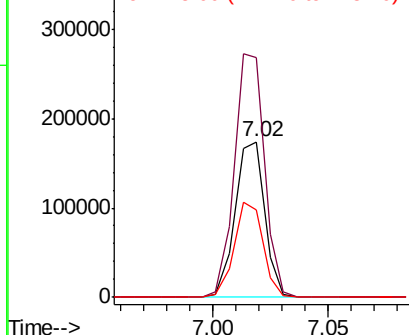


Abundance

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: 40.295 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

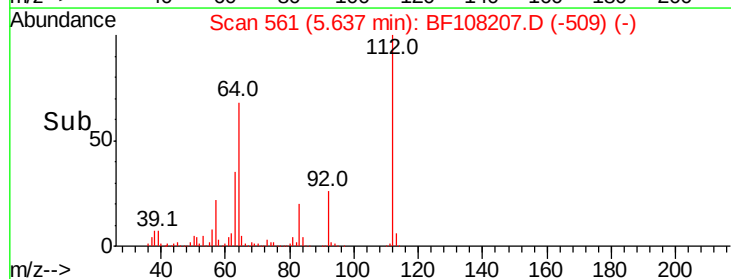
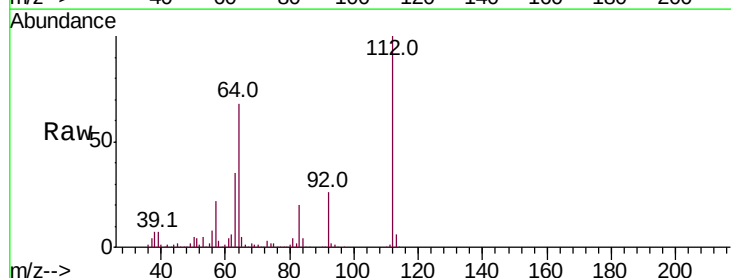
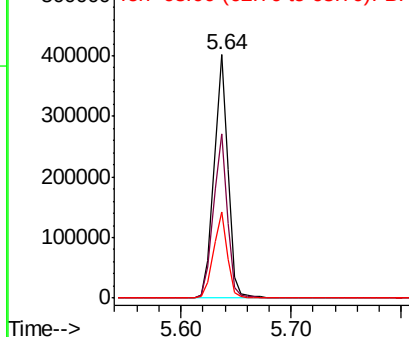
Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	47.9	71.9
63	35.2	23.7	35.5

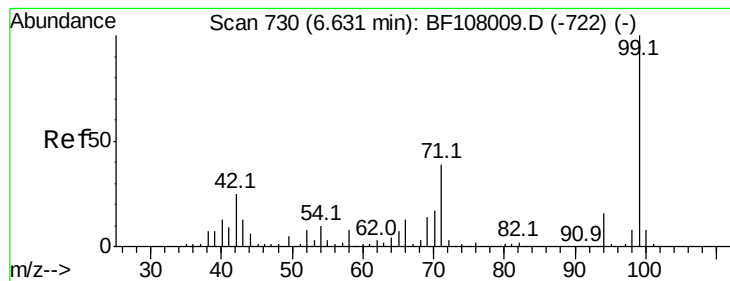
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 38.411 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Instrument :

BNA_F

ClientSampleId :

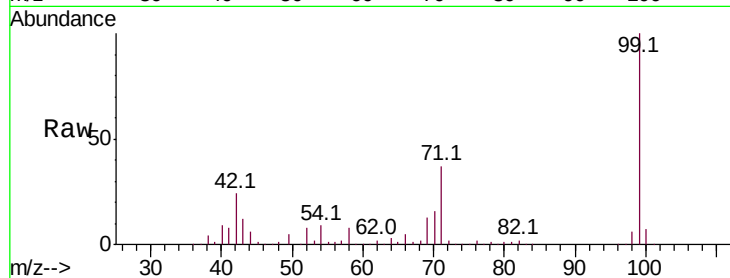
LSB-07(0-1)

Tot Ion: 99 Resp: 440718

Ion	Ratio	Lower	Upper
99	100		
42	23.5	14.5	21.7#
71	37.1	25.4	38.0

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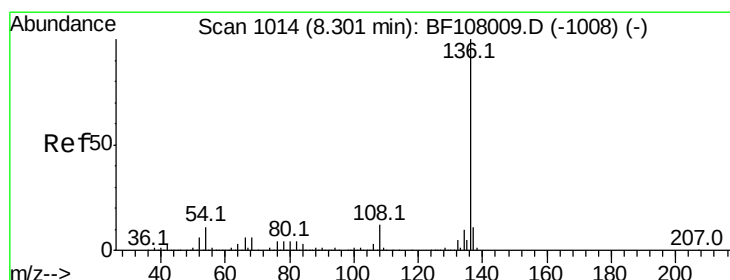
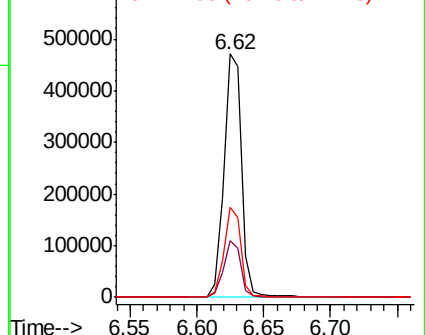
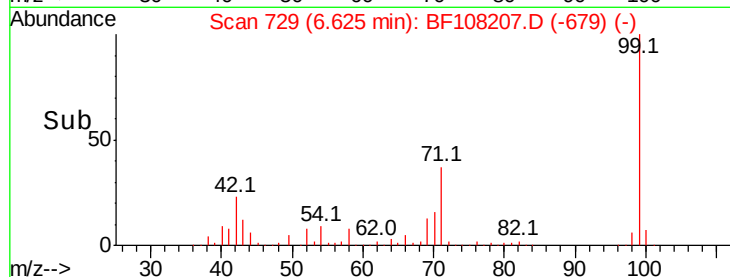
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

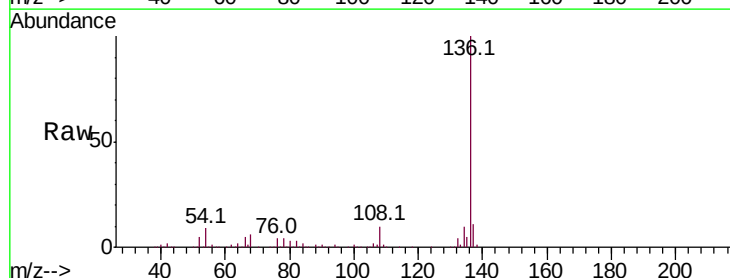
Delta R.T. 0.00 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Tgt Ion: 136 Resp: 570454

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.2	6.6	9.8
68	5.8	5.0	7.4

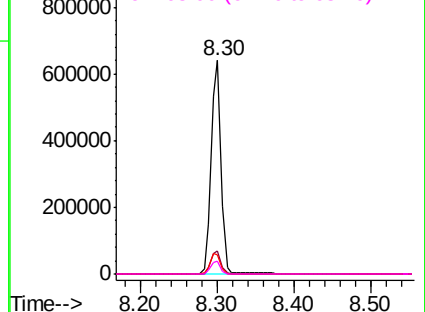
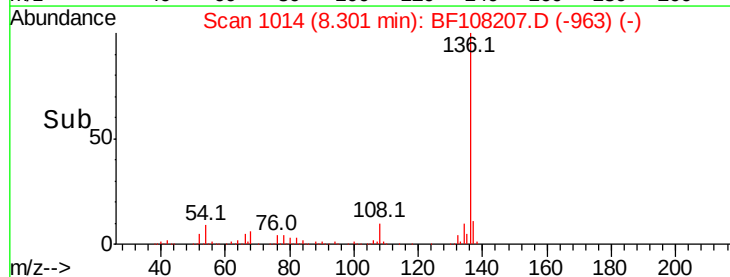


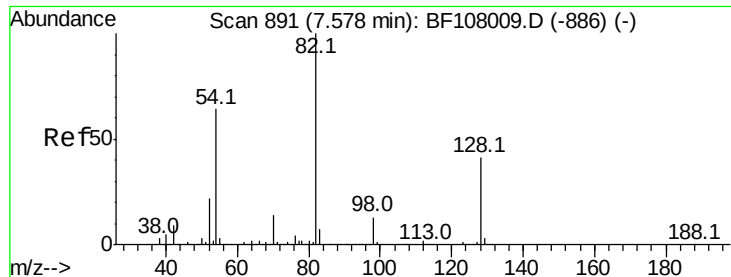
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





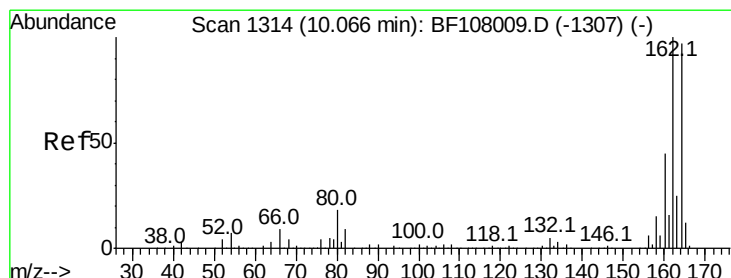
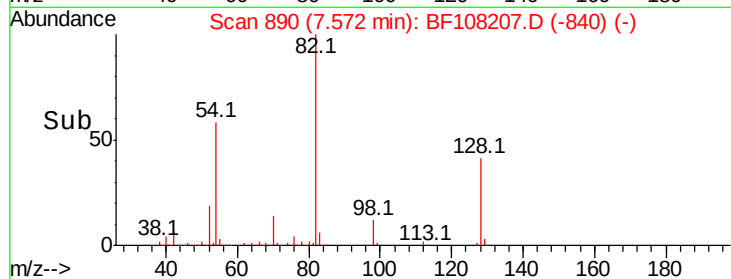
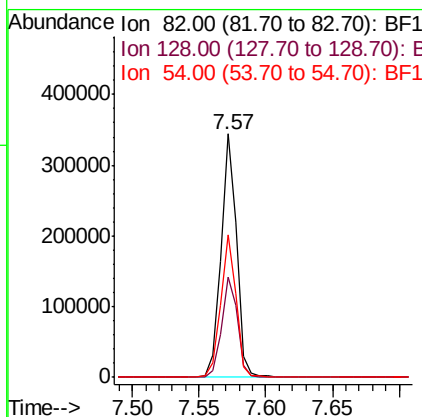
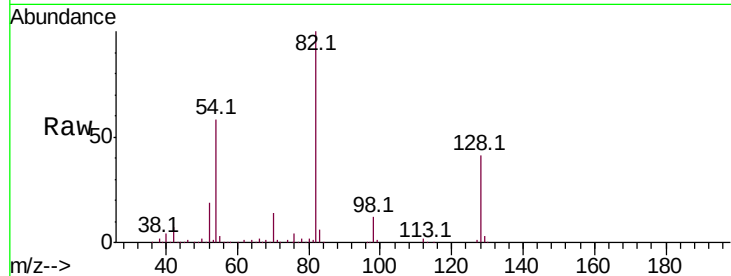
#23
 Nitrobenzene-d5
 Concen: 27.959 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Instrument :
 BNA_F
 ClientSampleId :
 LSB-07(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	285818		
128	41.3	36.1	54.1	
54	58.5	41.4	62.2	

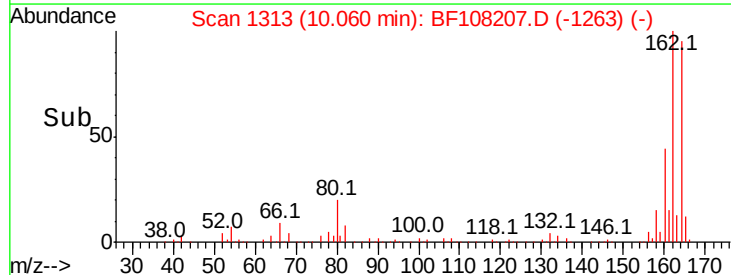
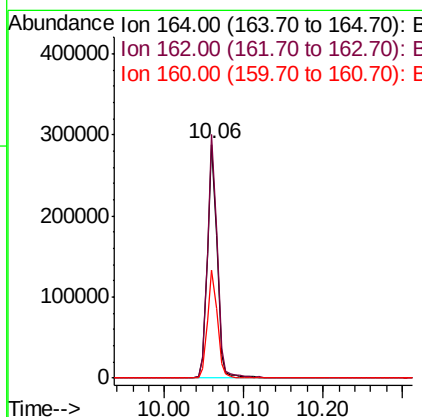
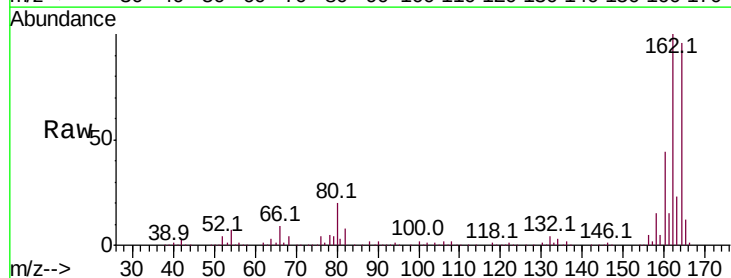
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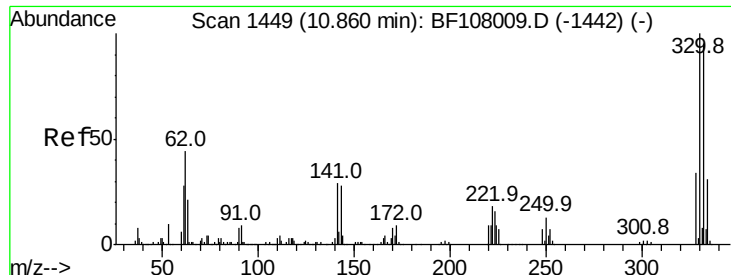
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	248639		
162	104.3	86.1	129.1	
160	46.0	38.3	57.5	





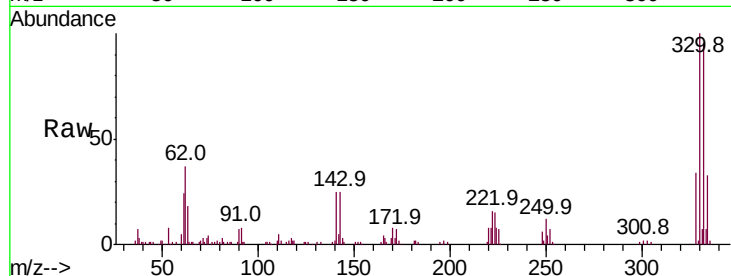
#41
 2,4,6-Tribromophenol
 Concen: 35.577 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Instrument :
 BNA_F
 ClientSampleId :
 LSB-07(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	77.0	115.6	
141	32.7	29.9	44.9	

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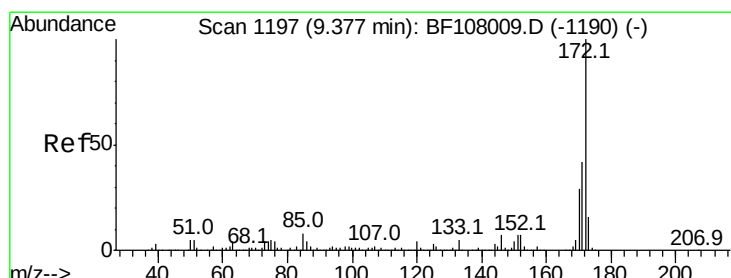
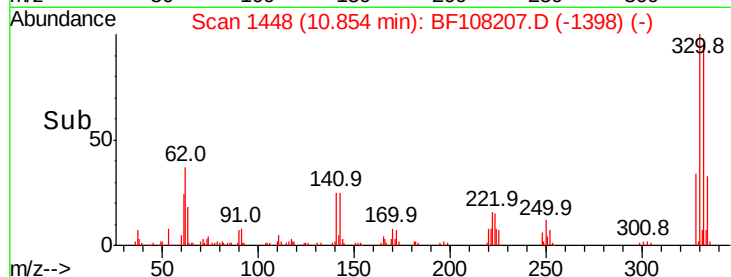
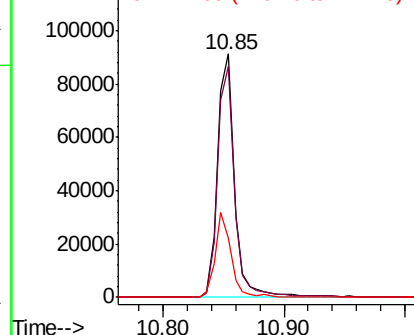


Abundance

Ion 329.80 (329.50 to 330.50): E

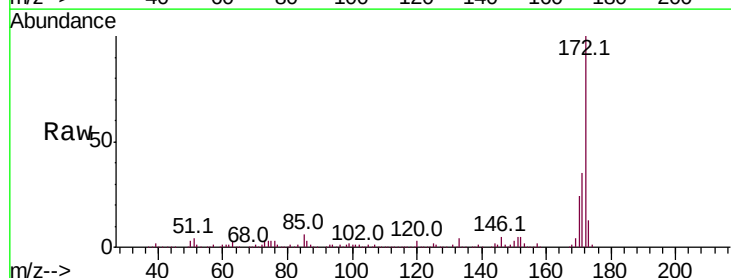
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 30.643 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	29.7	44.5	
170	23.9	19.6	29.4	

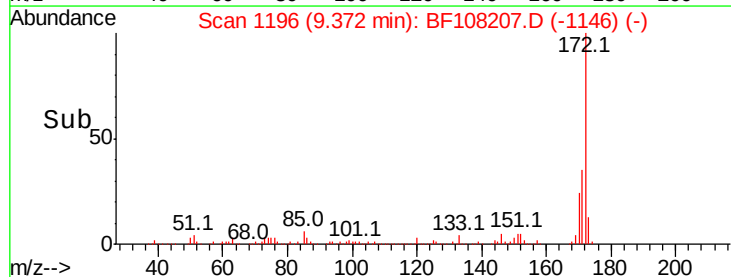
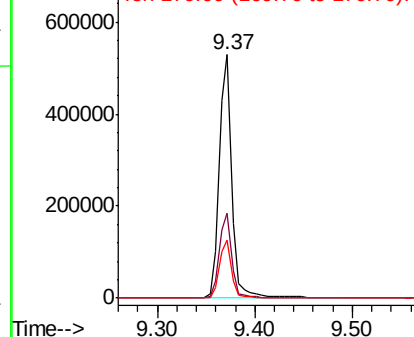


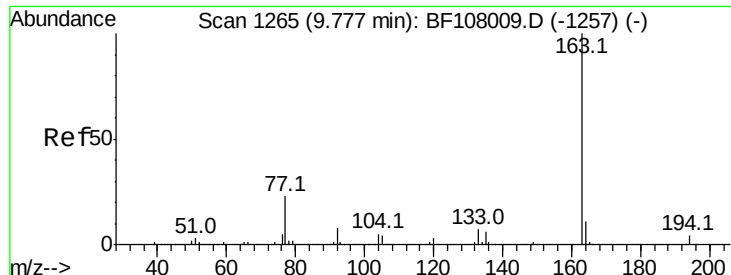
Abundance

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





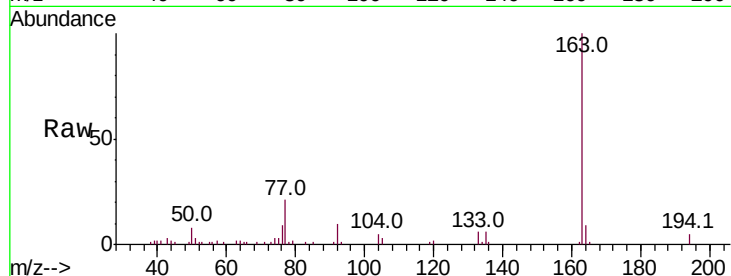
#49
Dimethylphthalate
Concen: 2.413 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

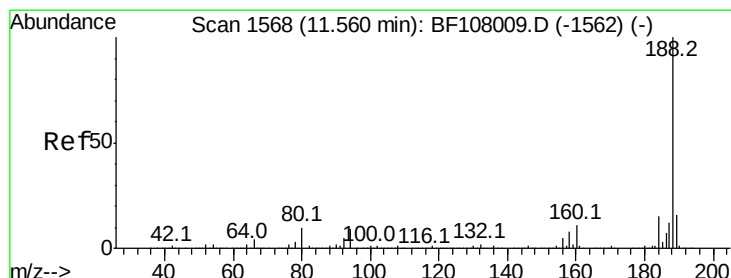
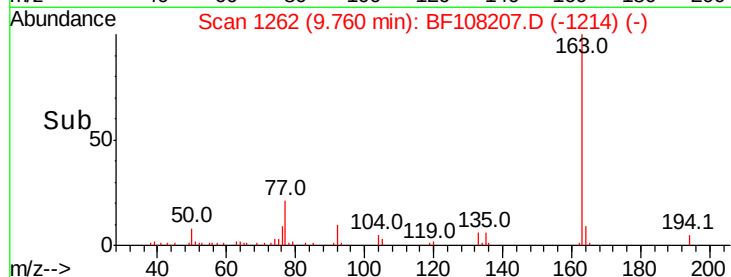
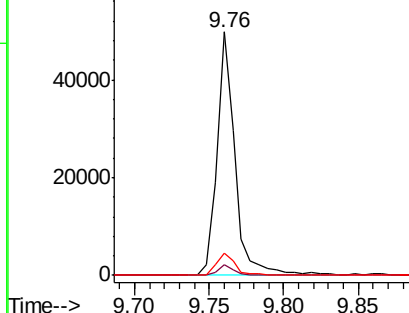
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.7	4.1#
164	9.3	8.2	12.2

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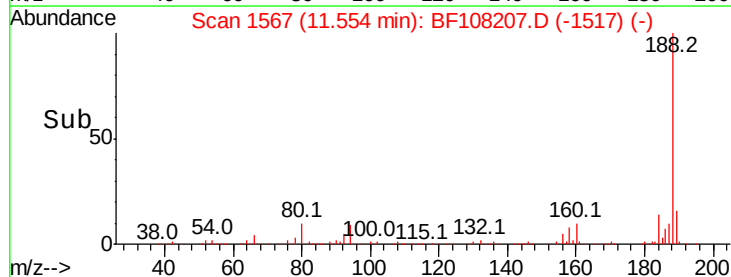
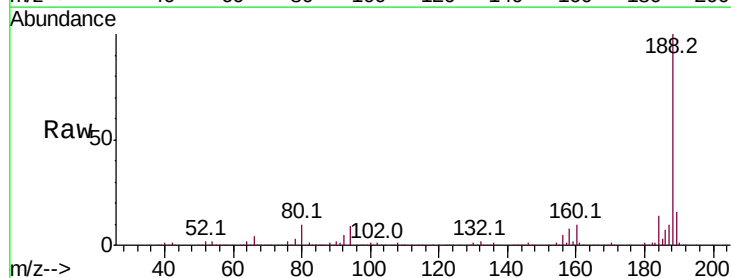
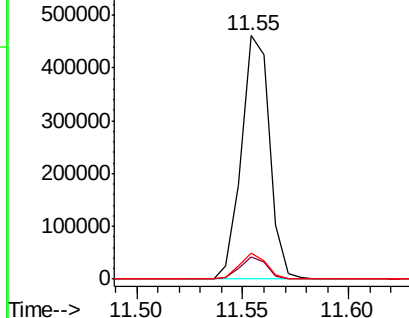
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

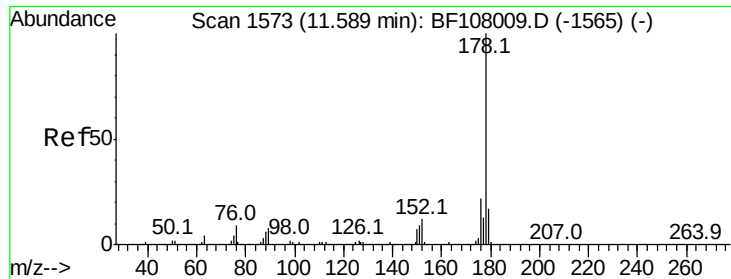


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.5	9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





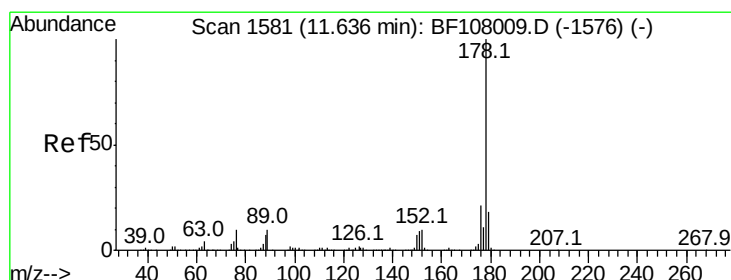
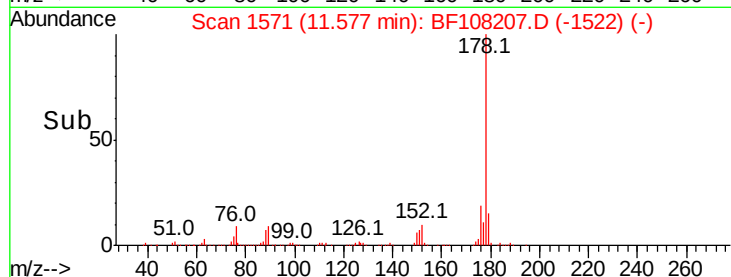
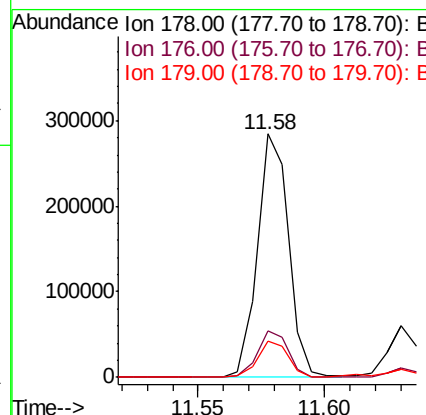
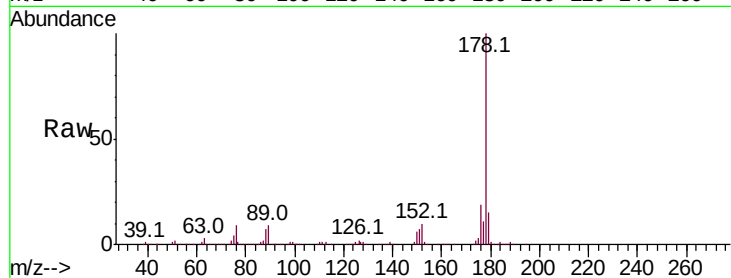
#70
Phenanthrene
Concen: 12.096 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.7	13.0	19.6

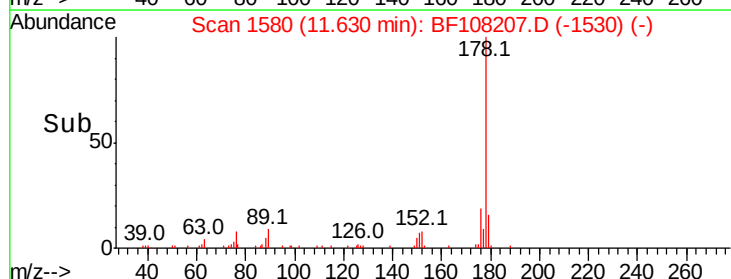
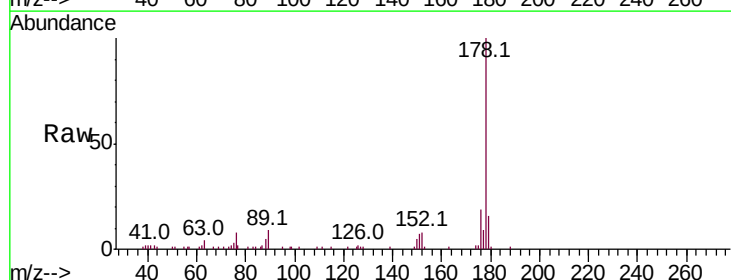
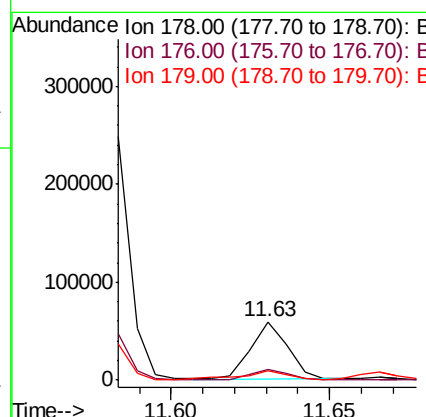
Manual Integrations
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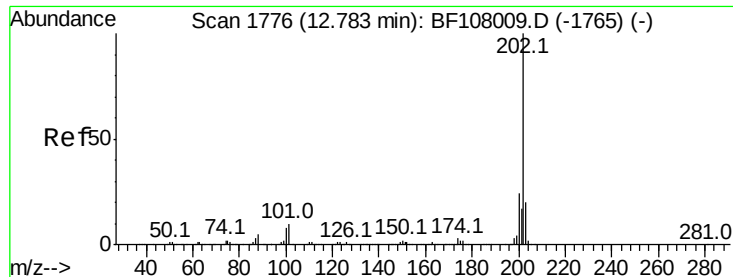
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#71
Anthracene
Concen: 2.316 ng
RT: 11.63 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.6	12.6	19.0





#74

Fluoranthene

Concen: 33.912 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Instrument :

BNA_F

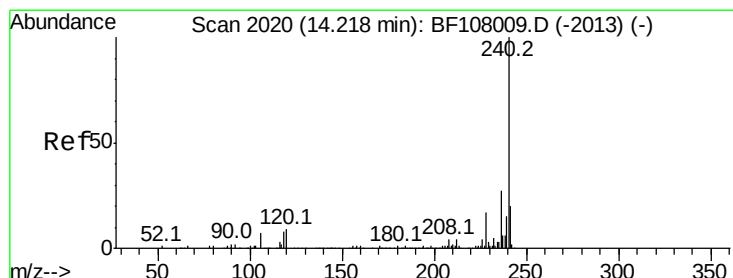
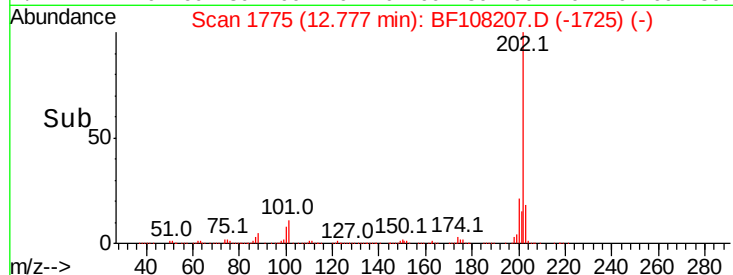
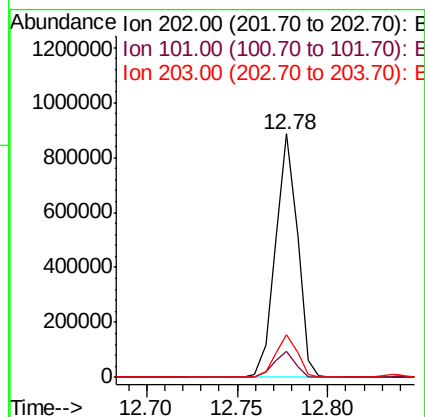
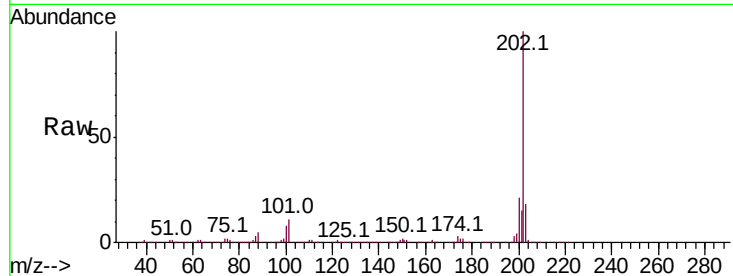
ClientSampleId :

LSB-07(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.6	0.0	34.1		
203	17.5	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

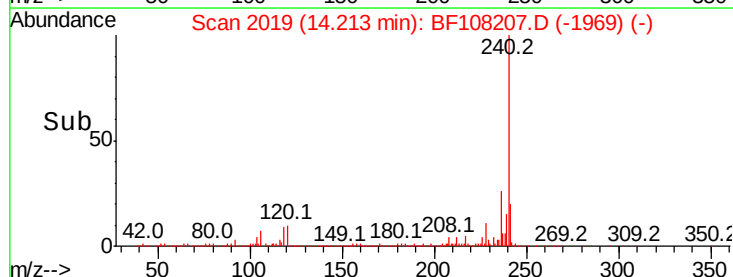
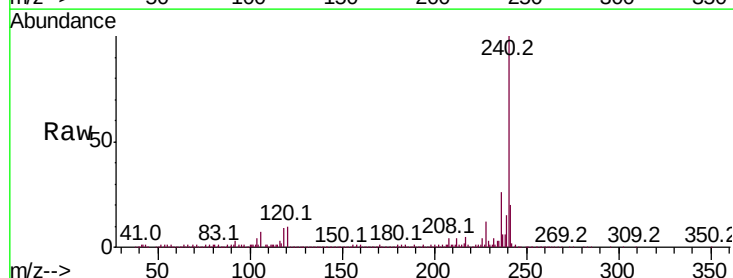
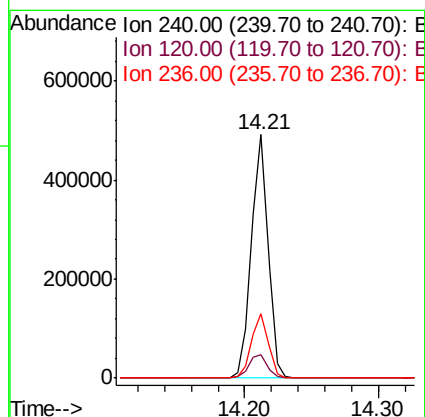
RT: 14.21 min Scan# 2019

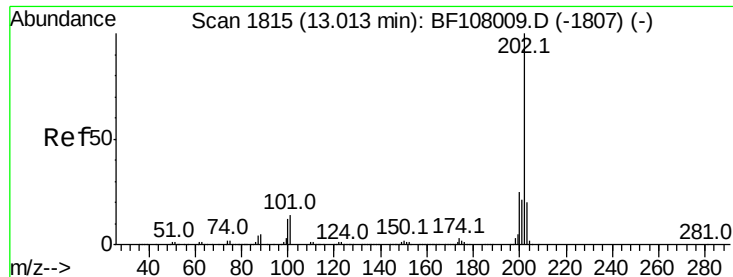
Delta R.T. -0.01 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	9.8	9.5	14.3		
236	26.3	20.7	31.1		





#77

Pvrene

Concen: 23.215 ng

RT: 13.01 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Instrument :

BNA_F

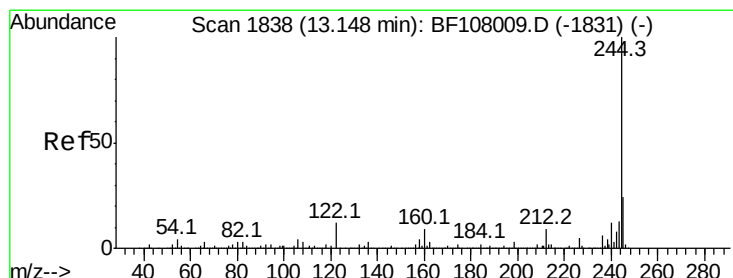
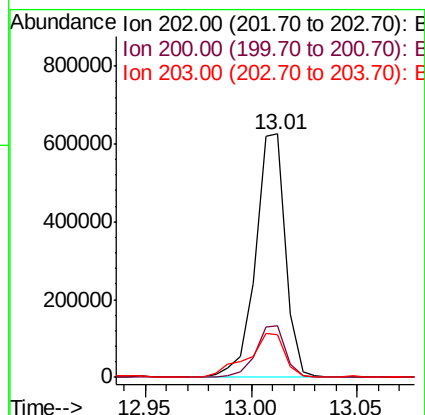
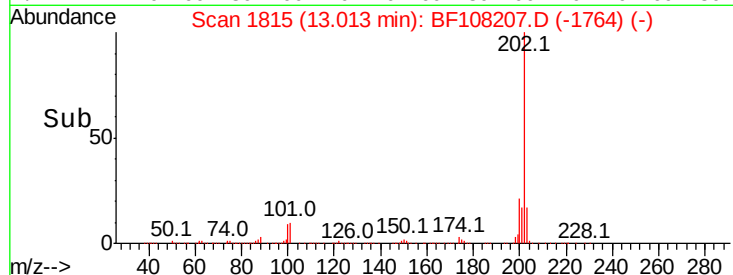
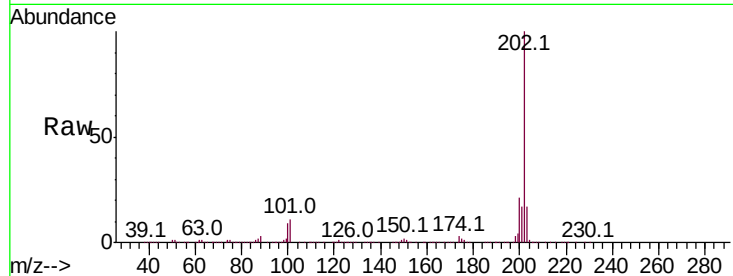
ClientSampled :

LSB-07(0-1)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 26.223 ng

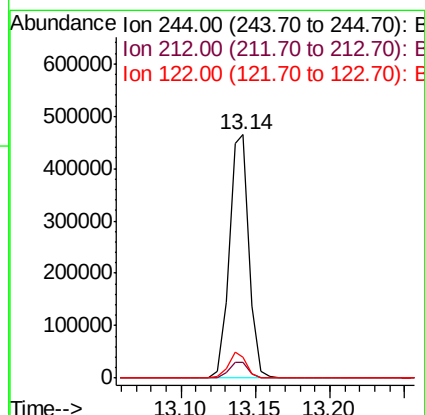
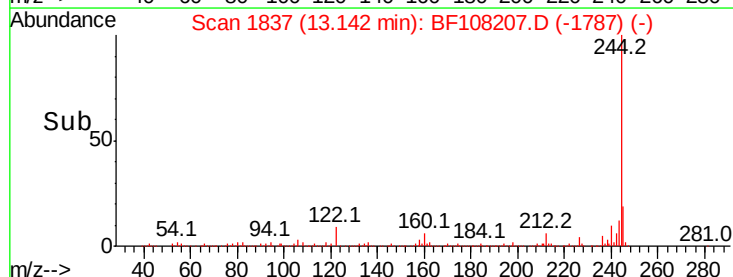
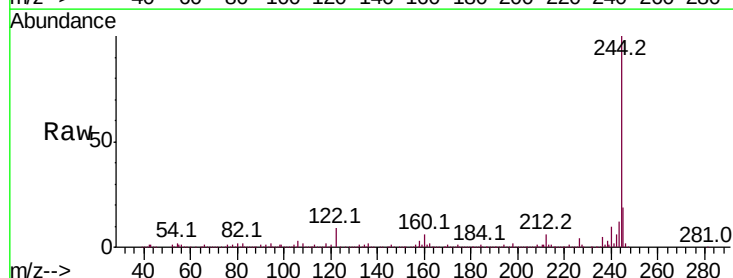
RT: 13.14 min Scan# 1837

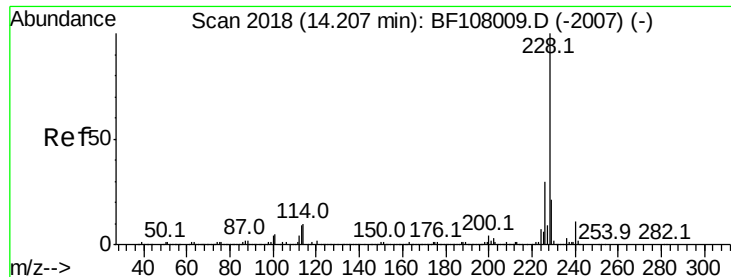
Delta R.T. -0.01 min

Lab File: BF108207.D

Acq: 16 Aug 2018 20:50

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.6	11.0	16.4#





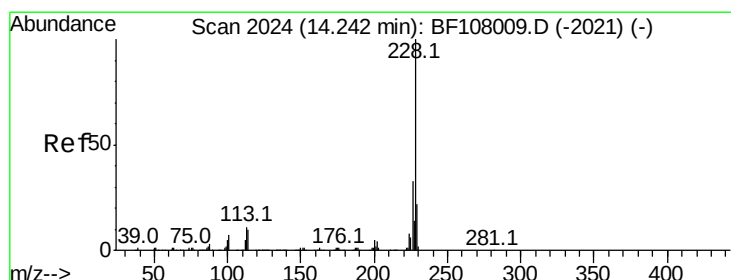
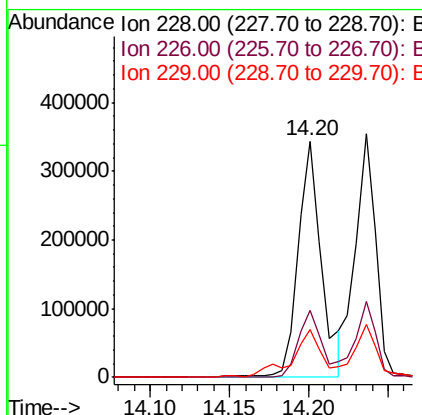
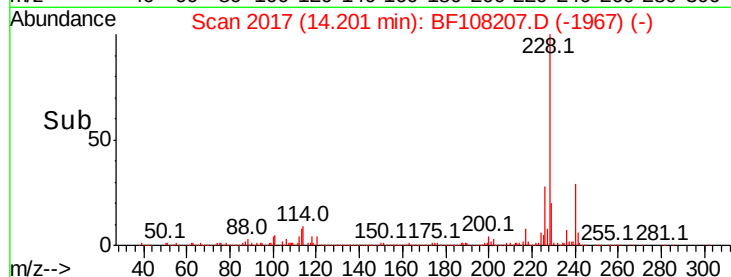
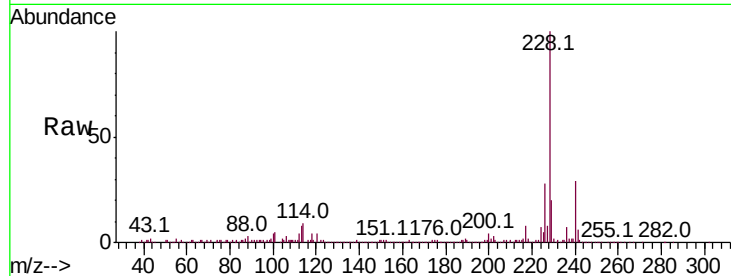
#80
Benzo(a)anthracene
Concen: 14.487 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	349714		
226	28.4	22.6	33.8	
229	20.3	15.8	23.6	

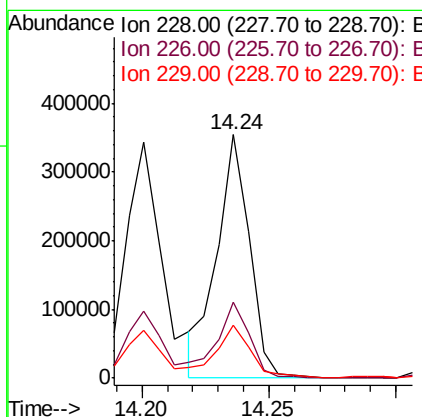
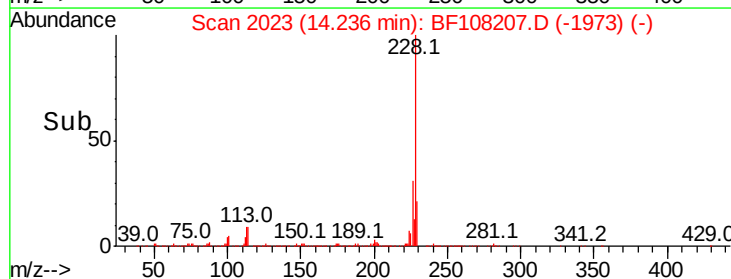
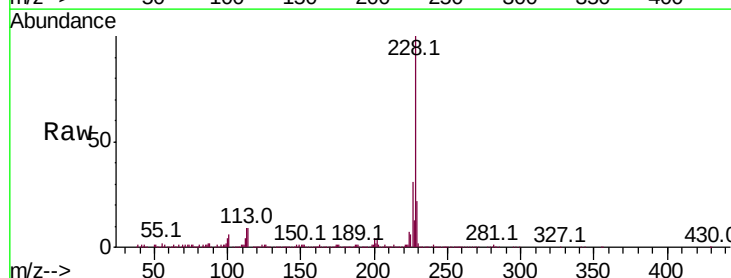
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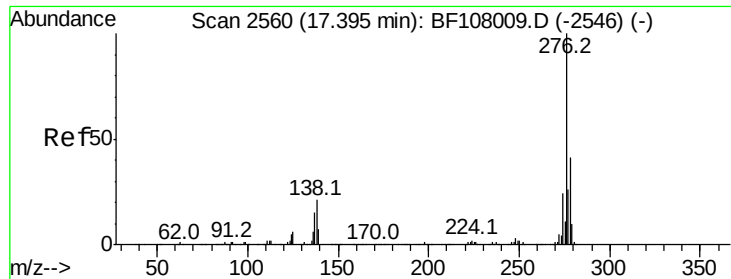
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#82
Chrysene
Concen: 14.322 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	316969		
226	31.1	25.0	37.6	
229	21.6	16.2	24.4	





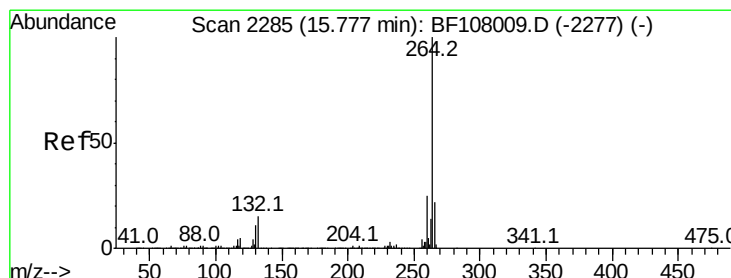
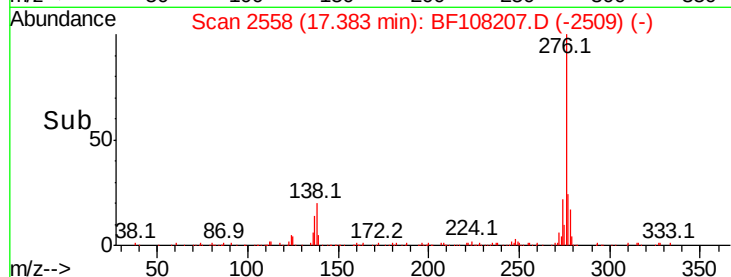
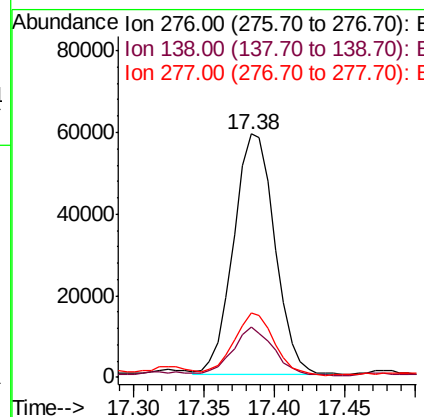
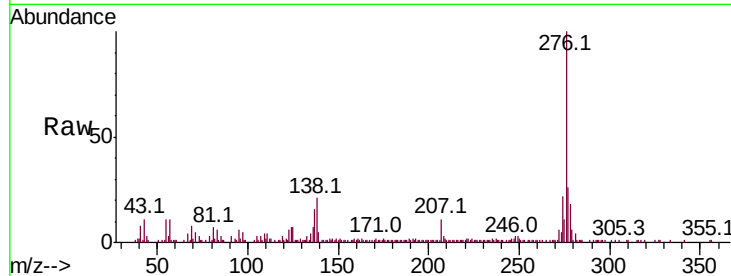
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.271 ng
 RT: 17.38 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Instrument :
 BNA_F
 ClientSampleId :
 LSB-07(0-1)

Tot Ion:	276	Resp:	120262
Ion Ratio	Lower	Upper	
276	100		
138	20.4	25.0	37.6#
277	25.2	20.1	30.1

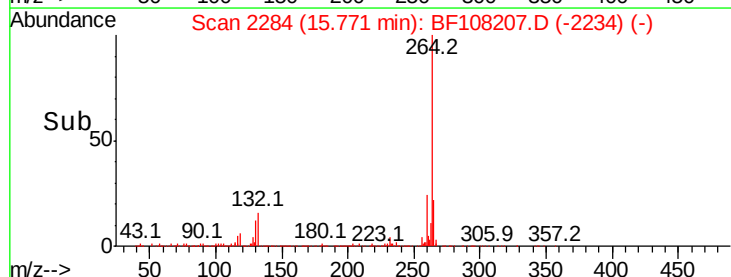
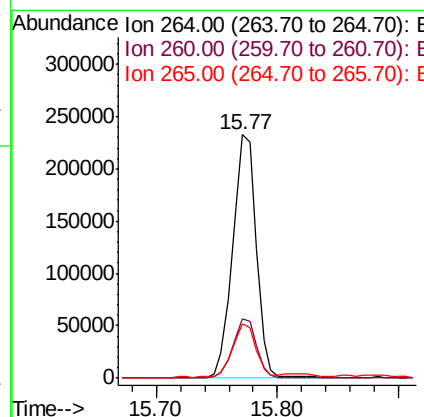
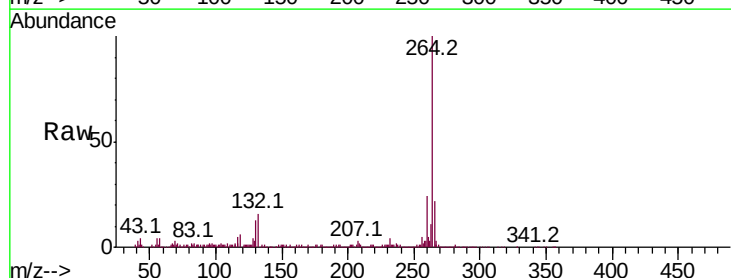
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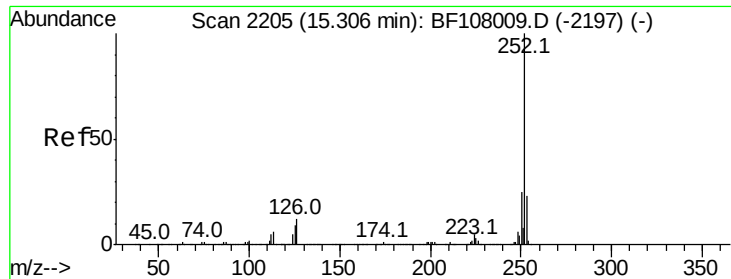
Sohil
 8/17/2018 3:30:52 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Tgt Ion:	264	Resp:	316706
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	22.3	17.5	26.3





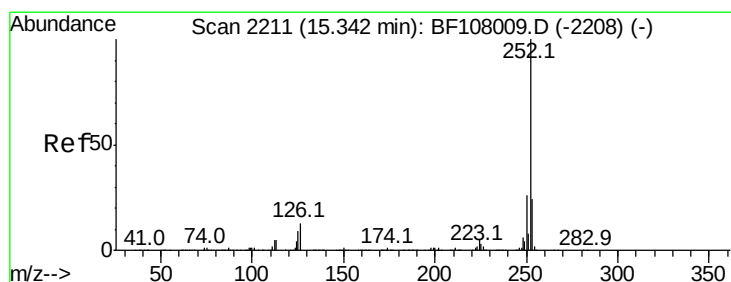
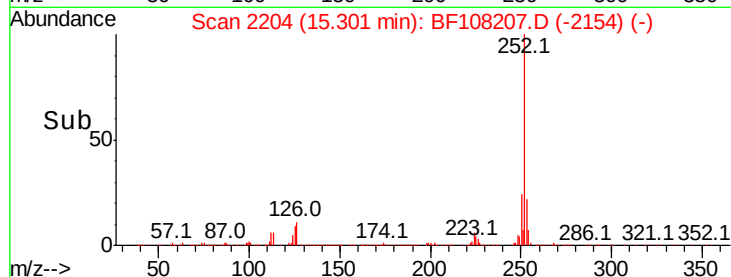
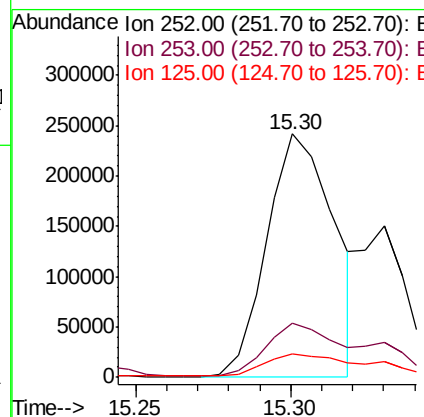
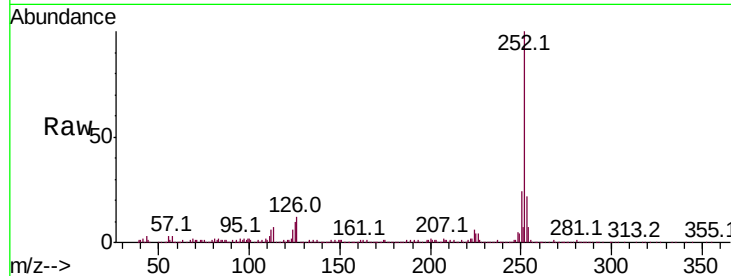
#87
Benzo(b)fluoranthene
Concen: 19.361 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	9.6	9.0	13.6

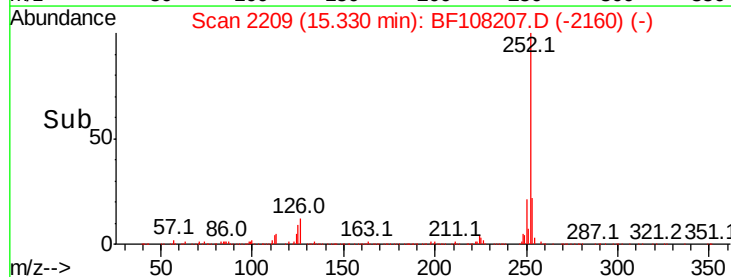
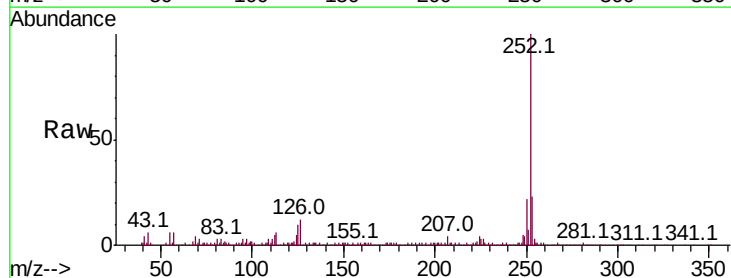
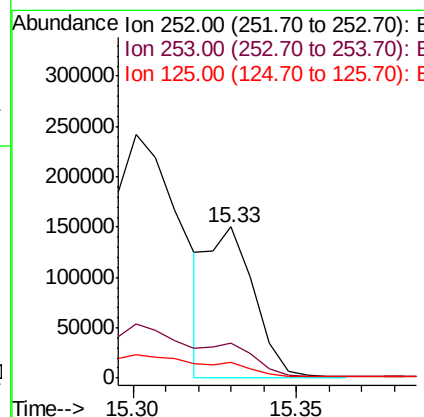
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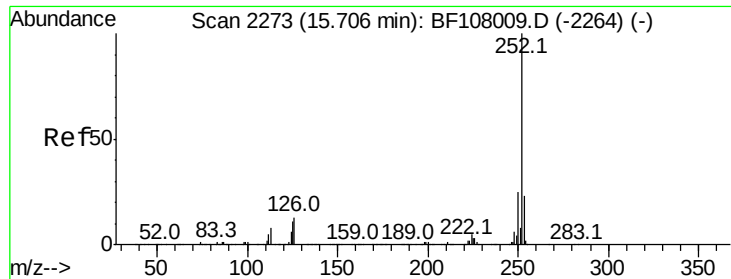
Sohil
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#88
Benzo(k)fluoranthene
Concen: 8.625 ng m
RT: 15.33 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	10.4	10.2	15.2





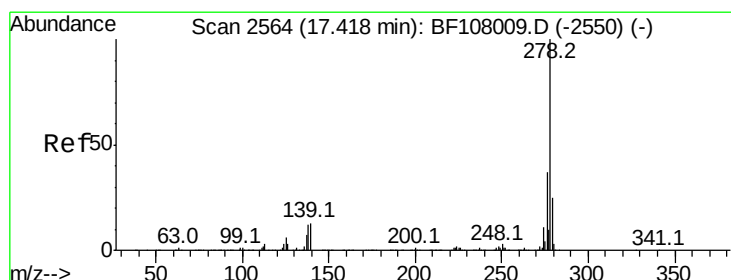
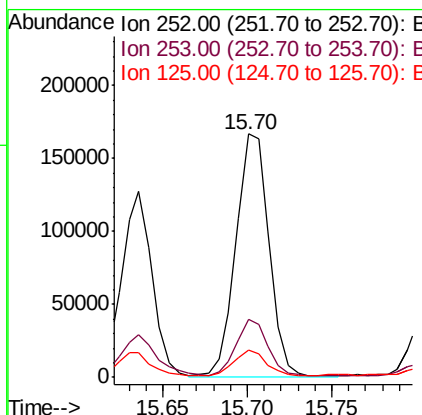
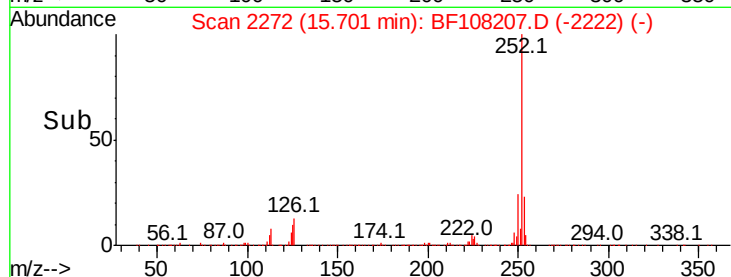
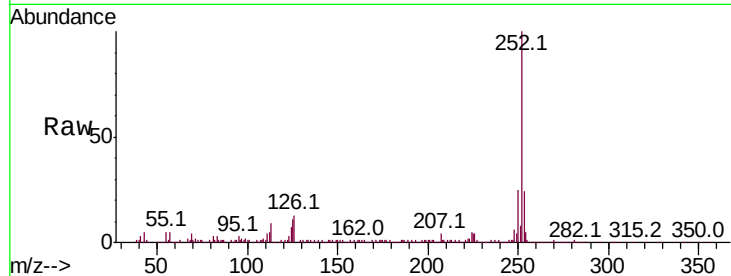
#89
Benzo(a)pyrene
Concen: 13.348 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Instrument :
BNA_F
ClientSampleId :
LSB-07(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	226195		
253	23.6		17.1	25.7
125	11.1		9.8	14.6

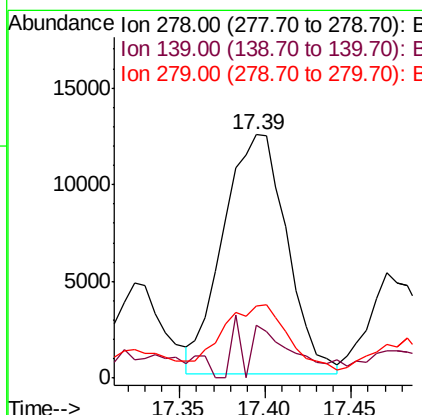
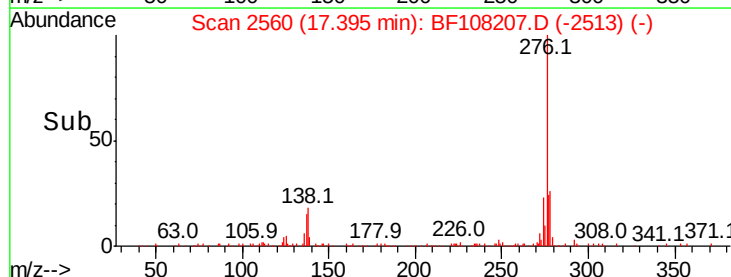
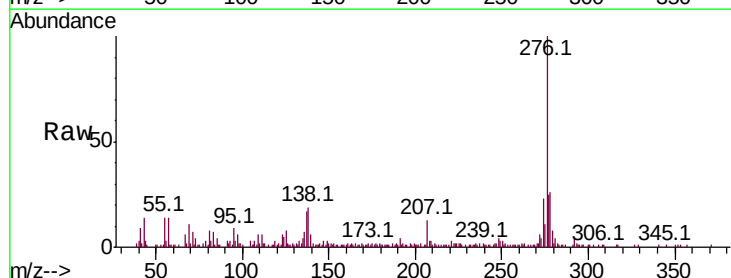
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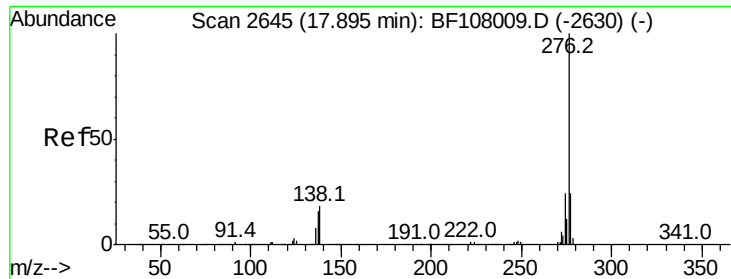
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.278 ng m
RT: 17.39 min Scan# 2560
Delta R.T. -0.02 min
Lab File: BF108207.D
Acq: 16 Aug 2018 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	31945		
139	21.7		15.9	23.9
279	29.8		19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 8.264 ng
 RT: 17.88 min Scan# 2642
 Delta R.T. -0.02 min
 Lab File: BF108207.D
 Acq: 16 Aug 2018 20:50

Instrument :
 BNA_F
 ClientSampleId :
 LSB-07(0-1)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.6	17.9	26.9
138	20.1	21.8	32.8#

Manual Integrations
 APPROVED

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 8/17/2018 3:30:52 PM

