

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108210.D
 Acq On : 16 Aug 2018 22:13
 Operator : JU/SJ
 Sample : J4499-05 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSB-05(0-1)

Manual Integrations
 APPROVED

Sohil
 8/17/2018 3:31:00 PM

Quant Time: Aug 17 04:45:22 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	157939	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	595581	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	277927	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	511217	20.00	ng	0.00
75) Chrysene-d12	14.21	240	477934	20.00	ng	0.00
86) Perylene-d12	15.78	264	354079	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	149810	17.17	ng	0.00
7) Phenol-d6	6.62	99	204769	17.66	ng	0.00
23) Nitrobenzene-d5	7.57	82	129589	12.14	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	46539	16.79	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	249198	14.40	ng	0.00
78) Terphenyl-d14	13.14	244	252648	13.44	ng	0.00
Target Compounds						
70) Phenanthrene	11.58	178	461453	19.138	ng	Qvalue 98
71) Anthracene	11.63	178	85770	3.471	ng	99
72) Carbazole	11.78	167	62229	2.834	ng	97
74) Fluoranthene	12.78	202	600092	22.804	ng	96
77) Pyrene	13.01	202	468486	15.483	ng	98
80) Benzo(a)anthracene	14.20	228	229336	8.361	ng	100
82) Chrysene	14.24	228	202757	8.063	ng	98
85) Indeno(1,2,3-cd)pyrene	17.38	276	68293	3.134	ng	# 88
87) Benzo(b)fluoranthene	15.30	252	204986m	9.688	ng	
88) Benzo(k)fluoranthene	15.33	252	90608m	4.659	ng	
89) Benzo(a)pyrene	15.70	252	134809	7.115	ng	97
91) Benzo(a,h,i)perylene	17.88	276	62896	4.075	ng	# 92

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

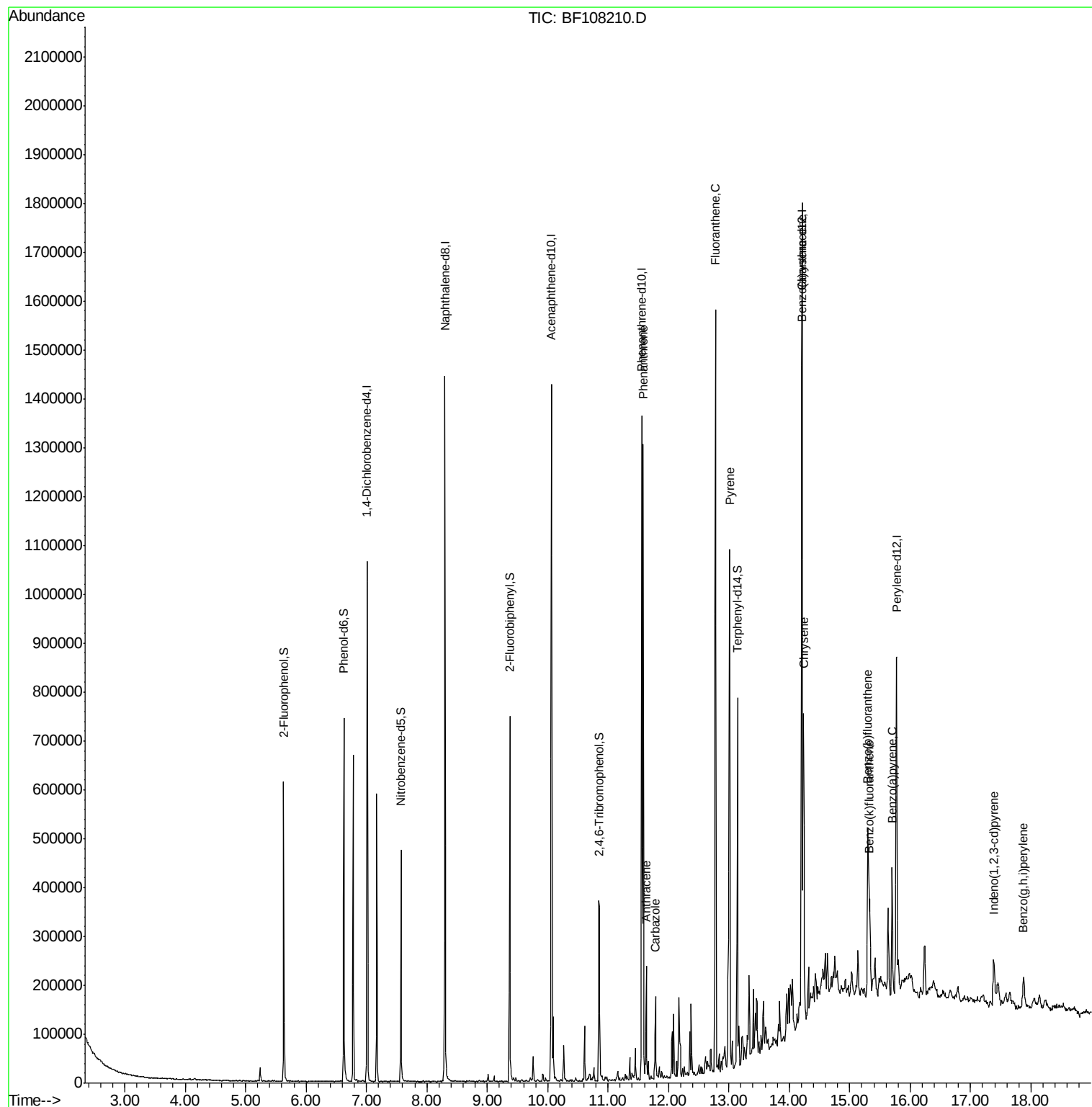
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108210.D
Acq On : 16 Aug 2018 22:13
Operator : JU/SJ
Sample : J4499-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

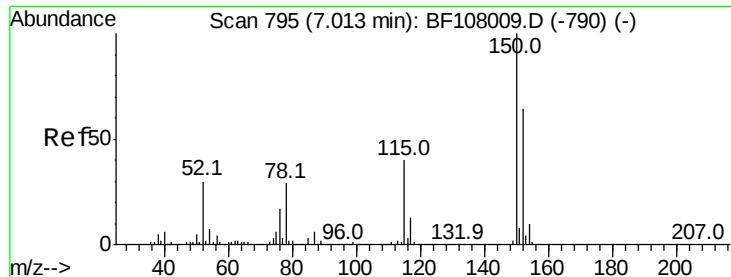
Instrument :
BNA_F
ClientSampleId :
LSB-05(0-1)

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Quant Time: Aug 17 04:45:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
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#1

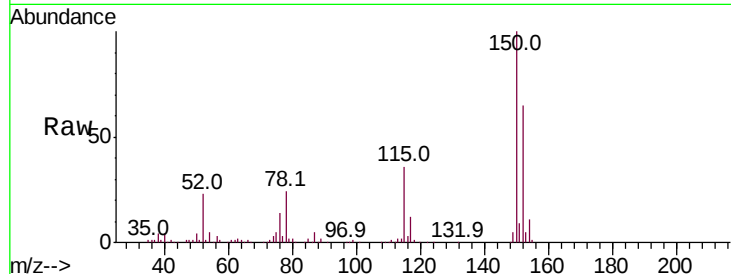
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Instrument :
BNA_F
ClientSampleId :
LSB-05(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	55.7	50.1	75.1

Manual Integrations
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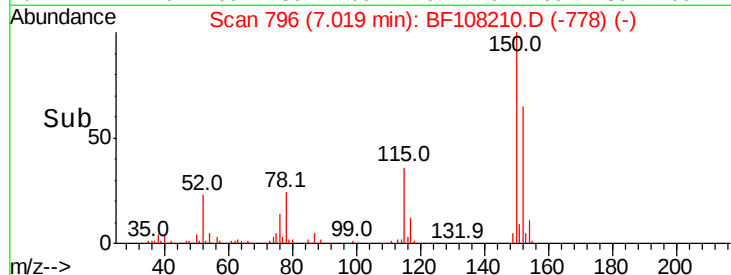
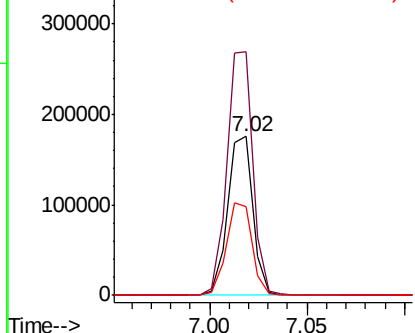


Abundance

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: 17.173 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

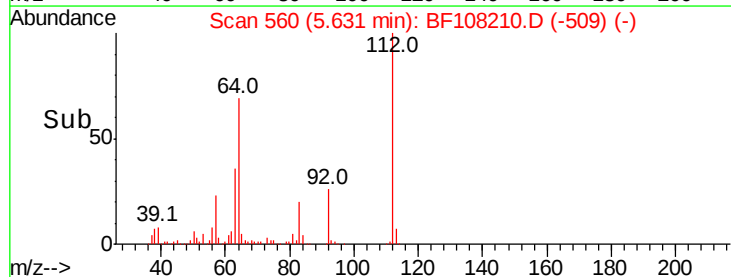
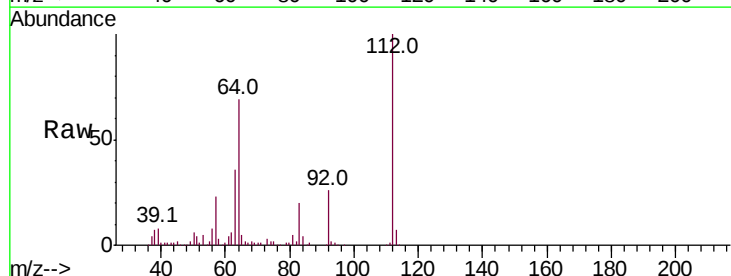
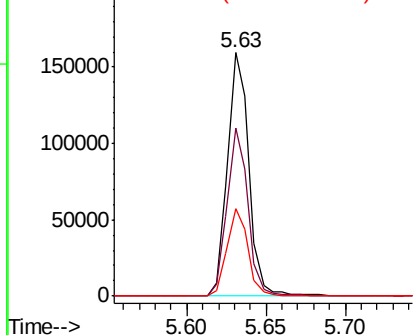
Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	47.9	71.9
63	36.2	23.7	35.5#

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: 17.664 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Instrument :

BNA_F

ClientSampleId :

LSB-05(0-1)

Tot Ion: 99 Resp: 204769

Ion Ratio Lower Upper

99 100

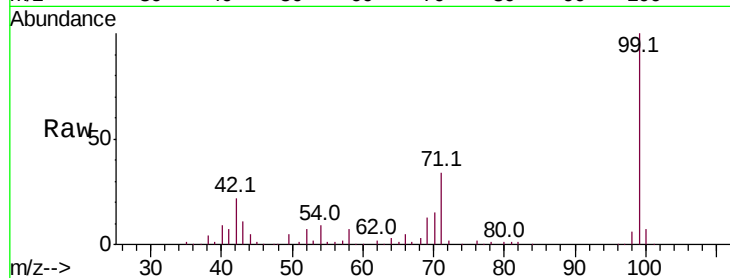
42 21.7 14.5 21.7#

71 34.4 25.4 38.0

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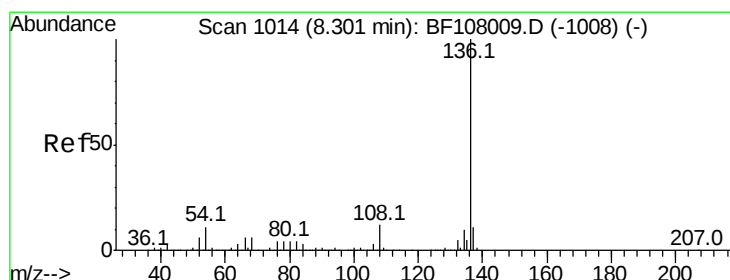
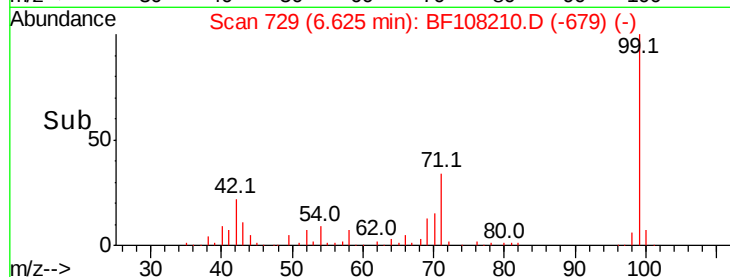
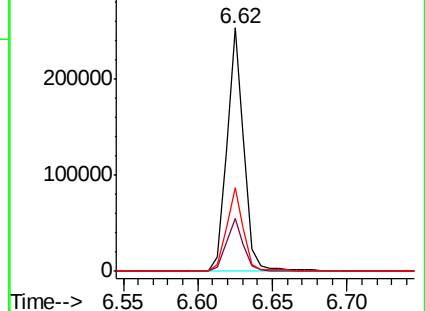
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF108210.D

Acq: 16 Aug 2018 22:13

Tgt Ion: 136 Resp: 595581

Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.6 6.6 9.8

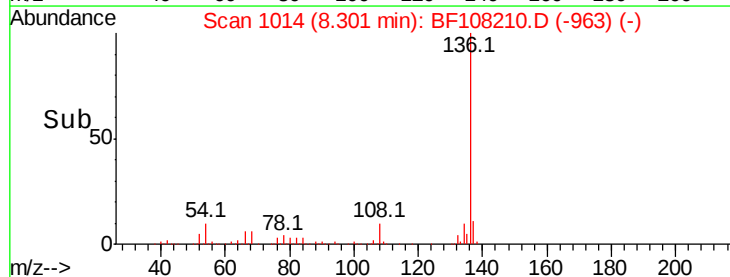
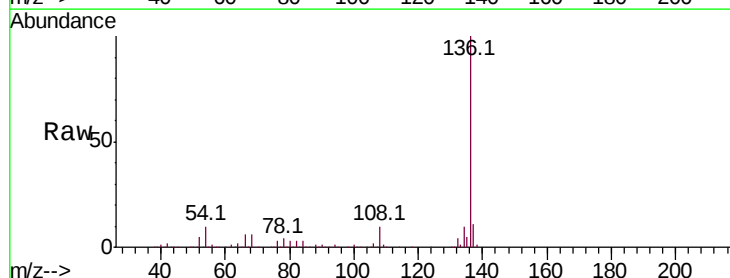
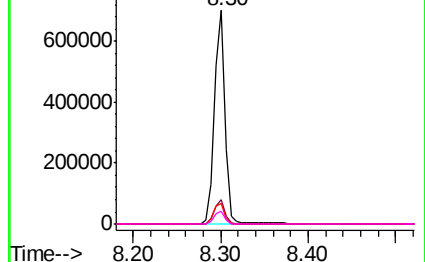
68 6.0 5.0 7.4

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





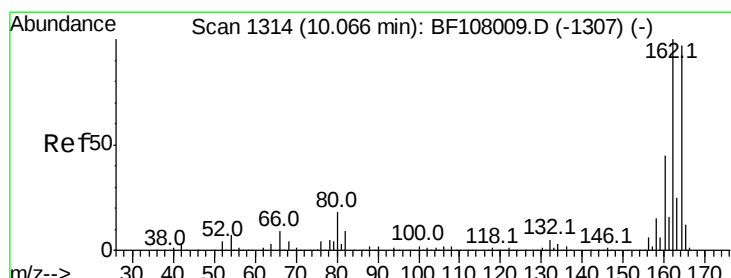
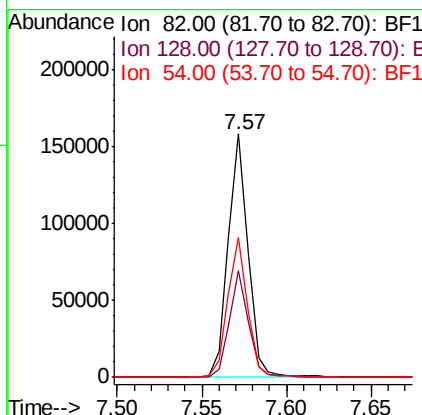
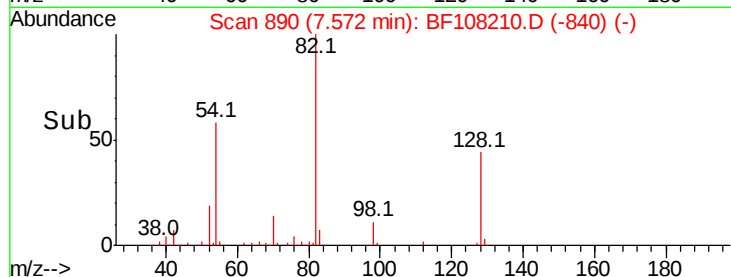
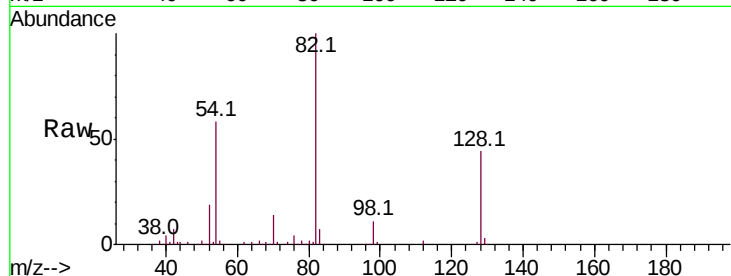
#23
Nitrobenzene-d5
Concen: 12.142 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Instrument :
BNA_F
ClientSampleId :
LSB-05(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	129589		
128	43.6	36.1	54.1	
54	57.7	41.4	62.2	

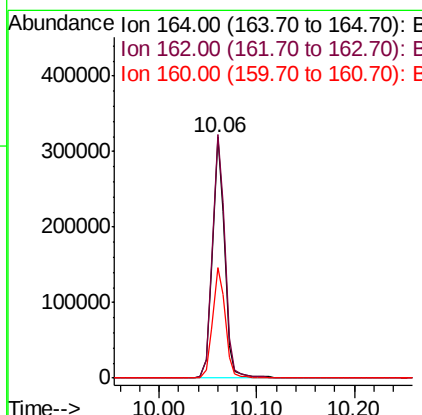
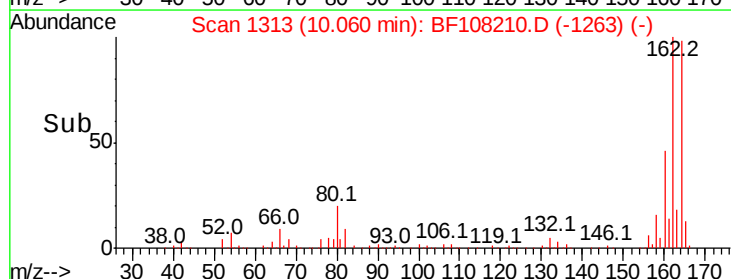
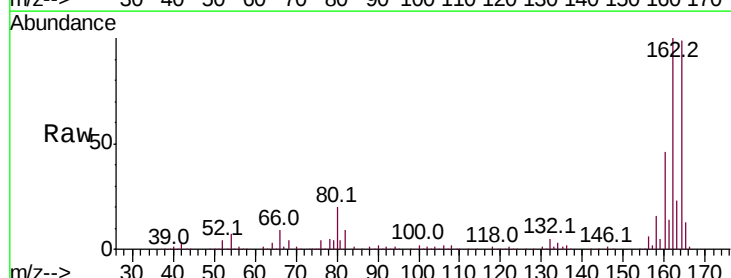
Manual Integrations
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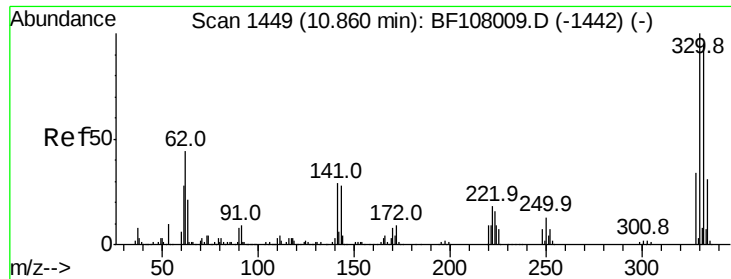
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	277927		
162	101.1	86.1	129.1	
160	46.1	38.3	57.5	





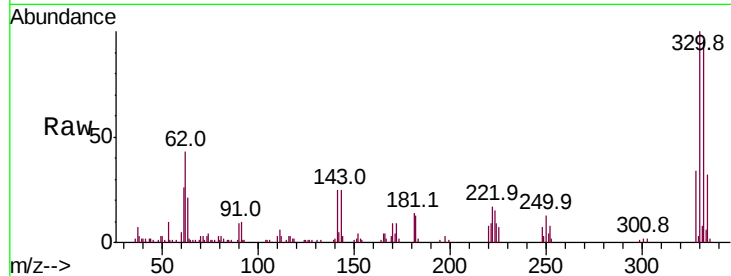
#41
 2,4,6-Tribromophenol
 Concen: 16.787 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

Instrument :
 BNA_F
 ClientSampleId :
 LSB-05(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	46539		
332	96.5	77.0	115.6	
141	32.1	29.9	44.9	

Manual Integrations
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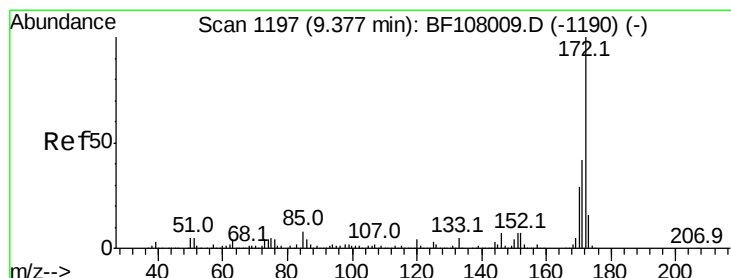
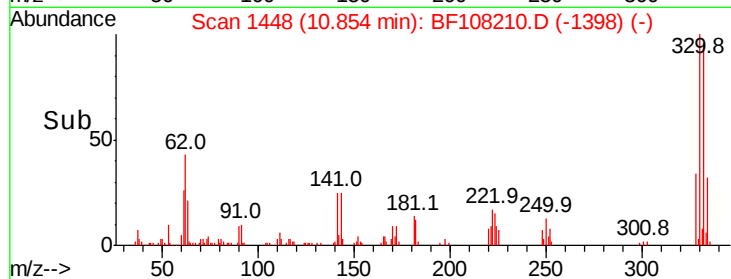
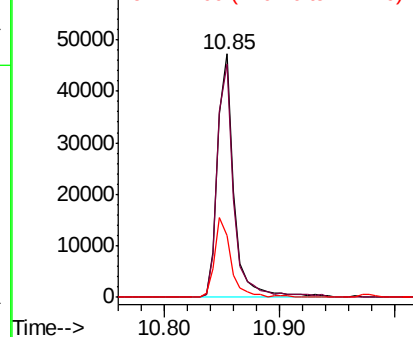


Abundance

Ion 329.80 (329.50 to 330.50): E

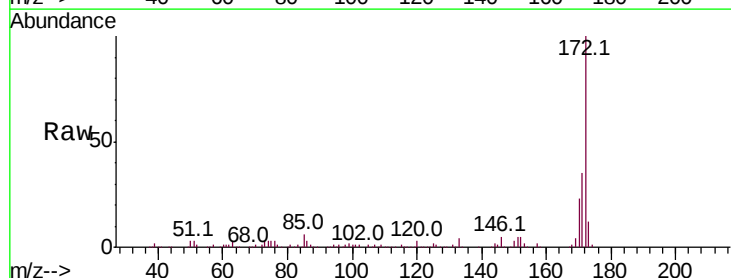
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 14.395 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	249198		
171	35.3	29.7	44.5	
170	23.1	19.6	29.4	

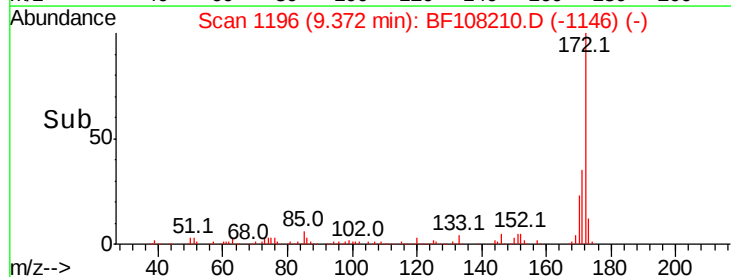
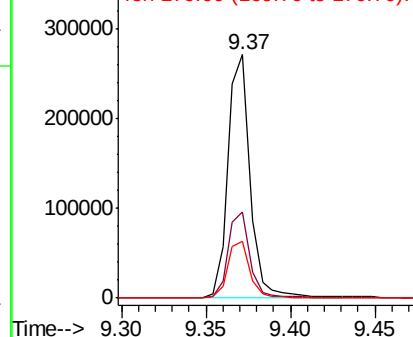


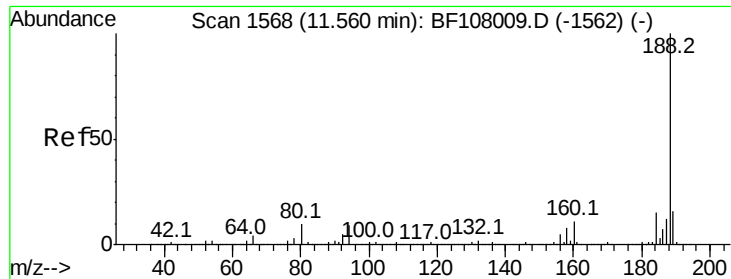
Abundance

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





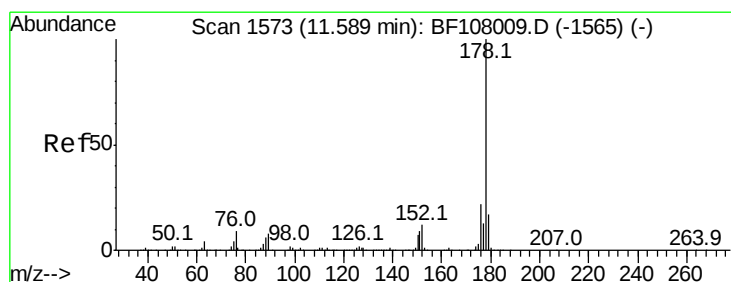
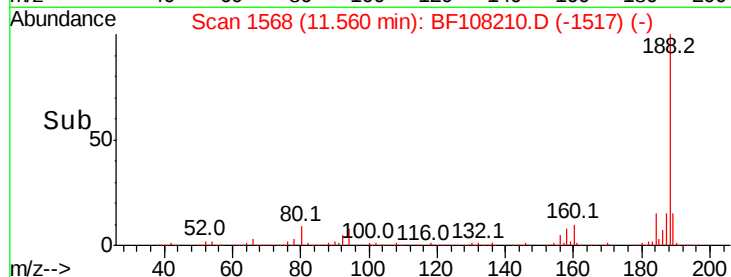
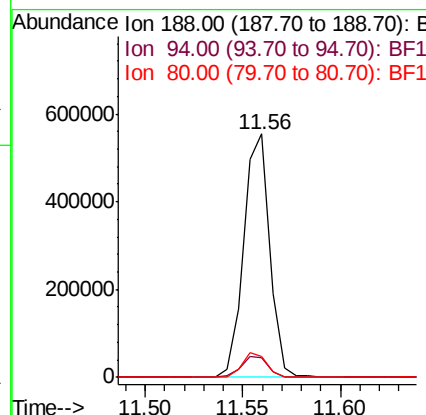
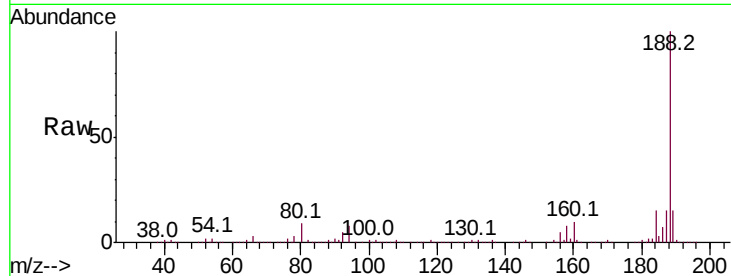
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Instrument :
BNA_F
ClientSampleId :
LSB-05(0-1)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.8	9.2	13.8#

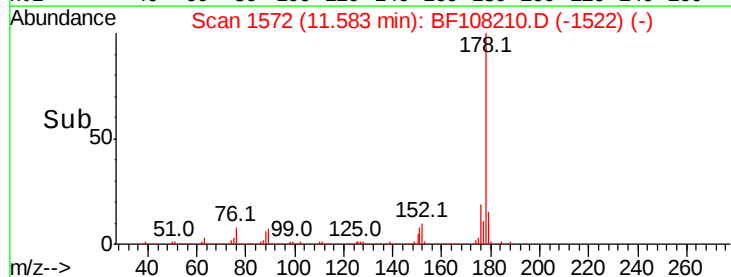
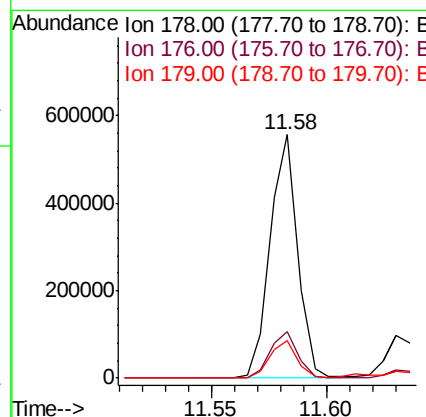
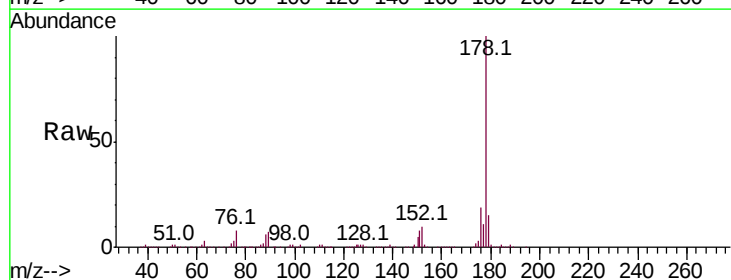
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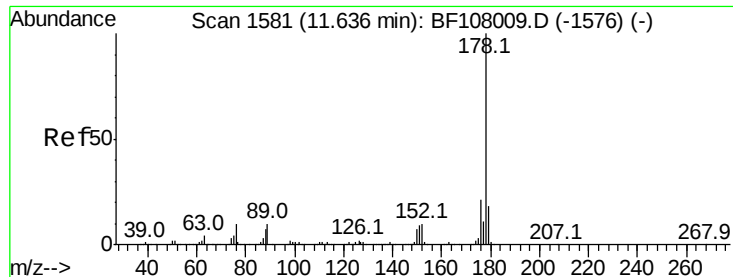
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#70
Phenanthrene
Concen: 19.138 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.4	13.0	19.6





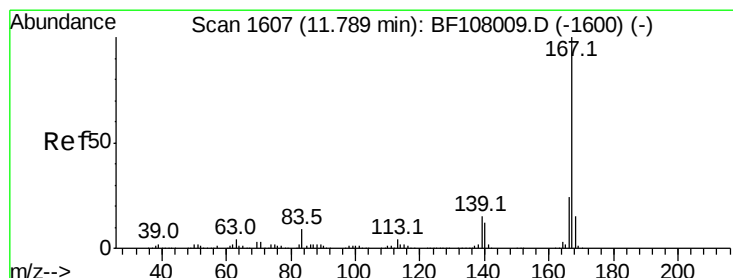
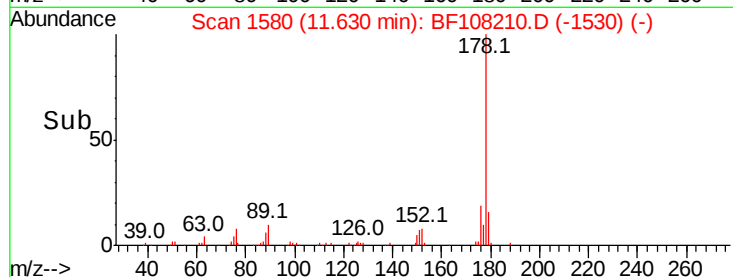
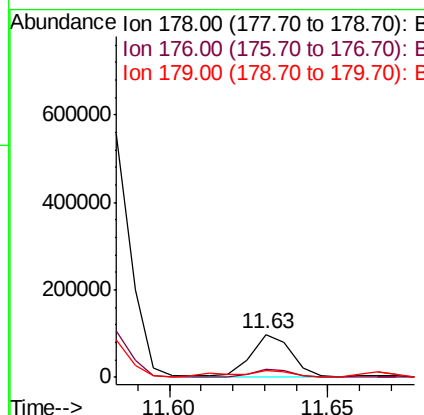
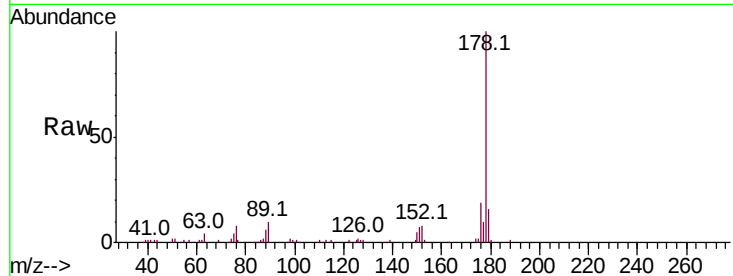
#71
 Anthracene
 Concen: 3.471 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

Instrument :
 BNA_F
 ClientSampleId :
 LSB-05(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.7	12.6	19.0

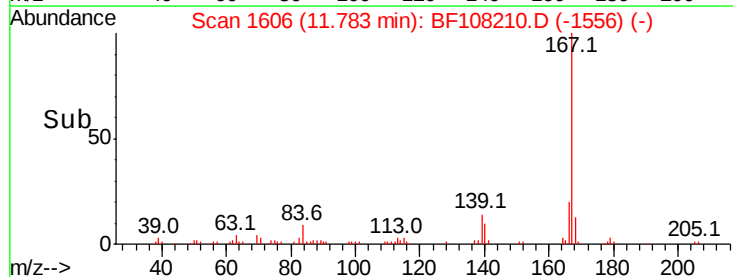
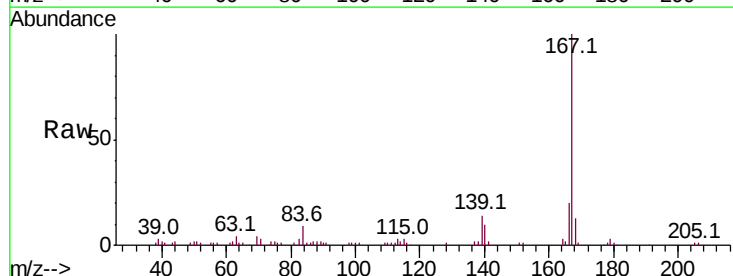
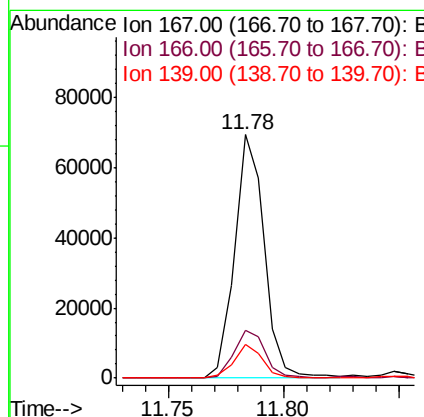
Manual Integrations
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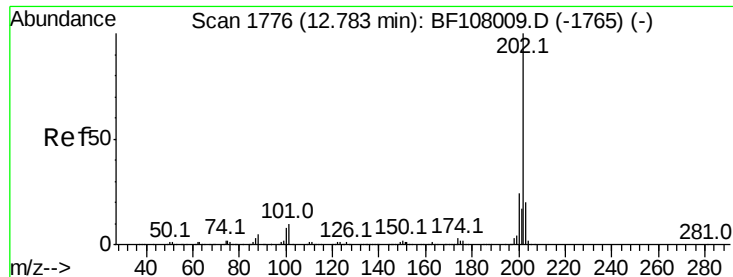
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#72
 Carbazole
 Concen: 2.834 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.8	17.6	26.4
139	13.7	10.9	16.3





#74

Fluoranthene

Concen: 22.804 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Instrument :

BNA_F

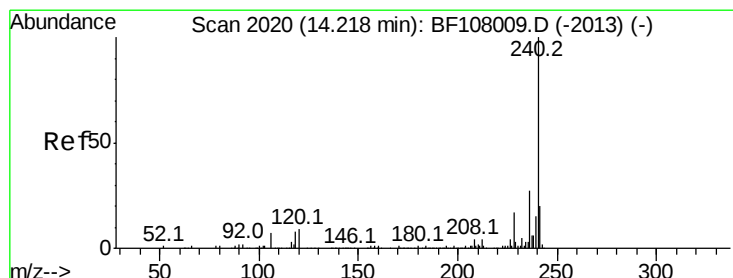
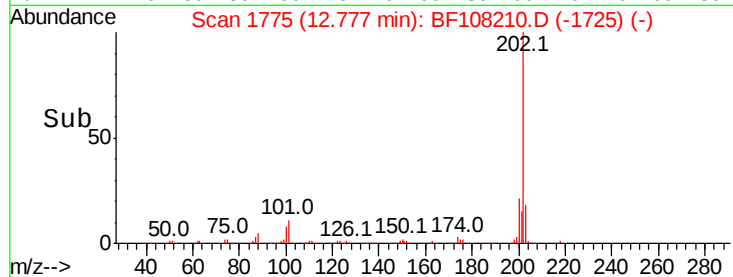
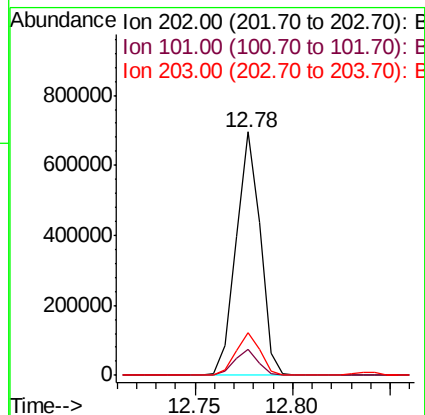
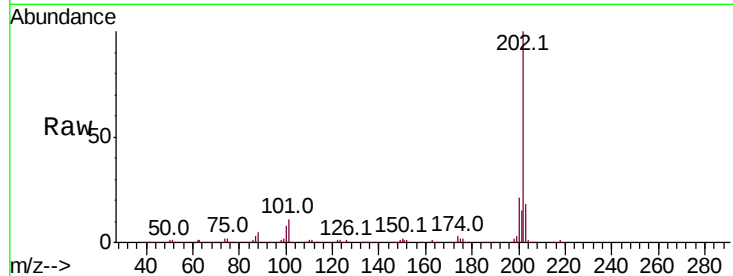
ClientSampleId :

LSB-05(0-1)

Tot Ion:	202	Resp:	600092
Ion Ratio		Lower	Upper
202	100		
101	10.5	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

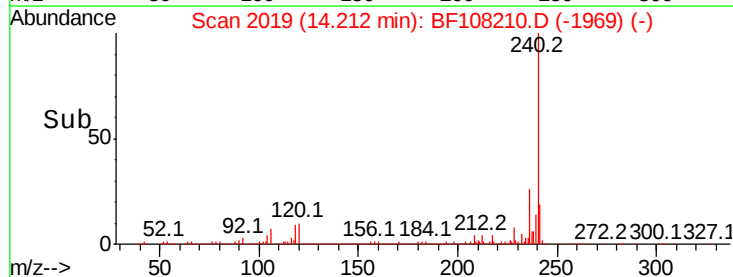
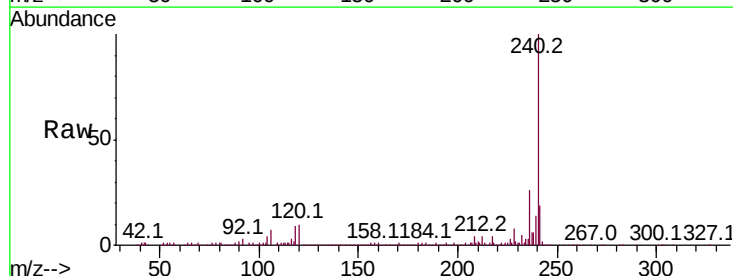
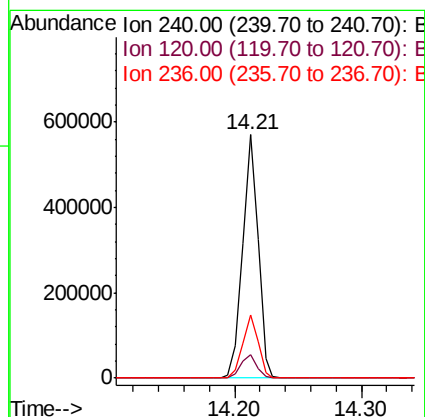
RT: 14.21 min Scan# 2019

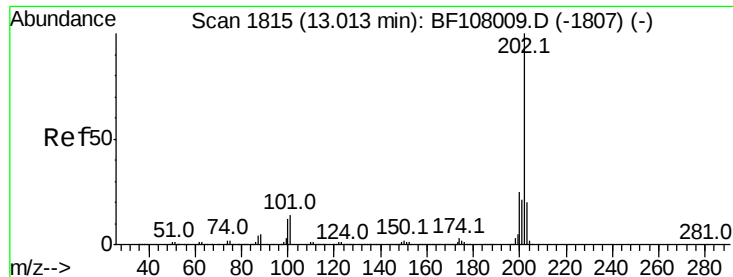
Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Tgt Ion:	240	Resp:	477934
Ion Ratio		Lower	Upper
240	100		
120	9.9	9.5	14.3
236	25.9	20.7	31.1





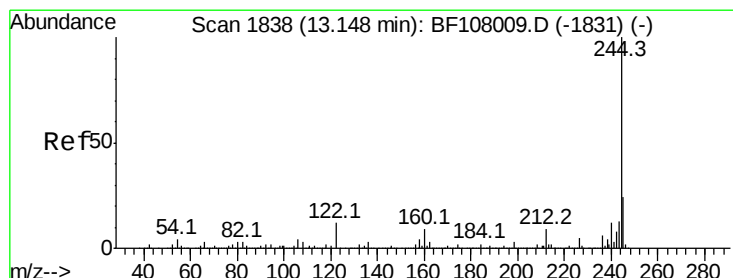
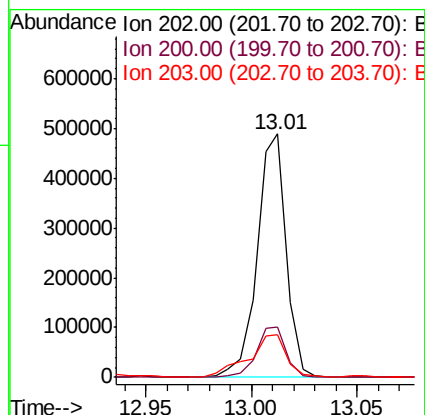
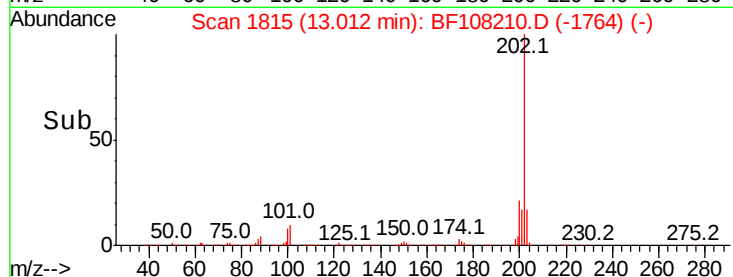
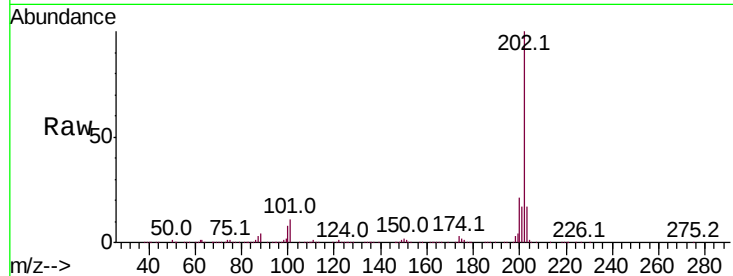
#77
Pvrene
Concen: 15.483 ng
RT: 13.01 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Instrument :
BNA_F
ClientSampleId :
LSB-05(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.6	17.4	26.2	
203	17.4	14.3	21.5	

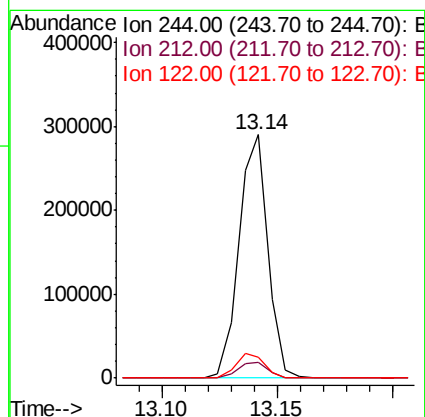
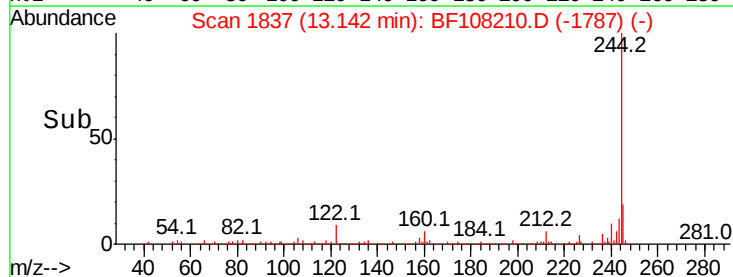
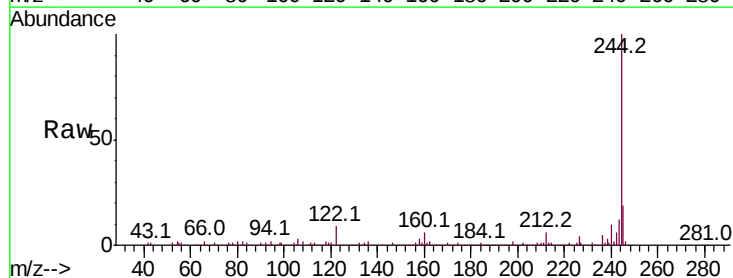
Manual Integrations
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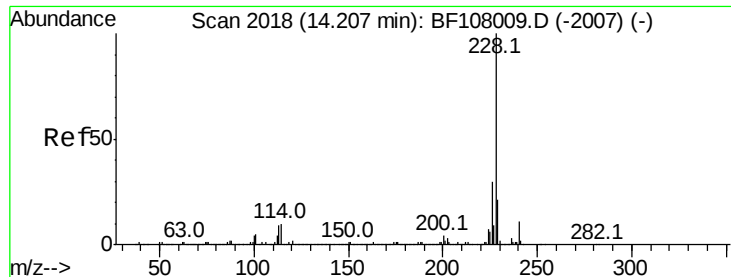
Sohil
8/17/2018 3:31:00 PM



#78
Terphenyl-d14
Concen: 13.441 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.5	5.4	8.0	
122	8.7	11.0	16.4	





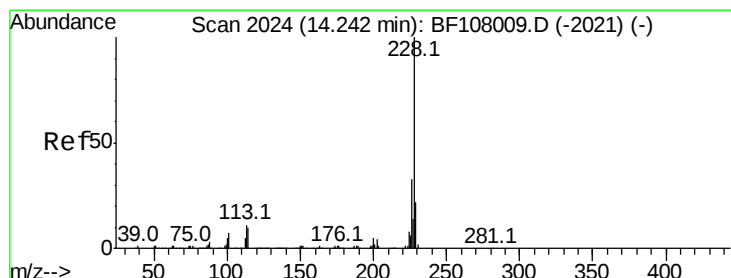
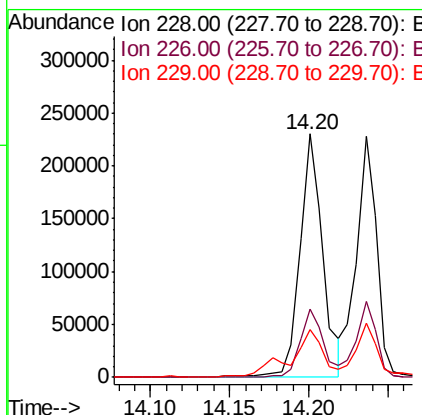
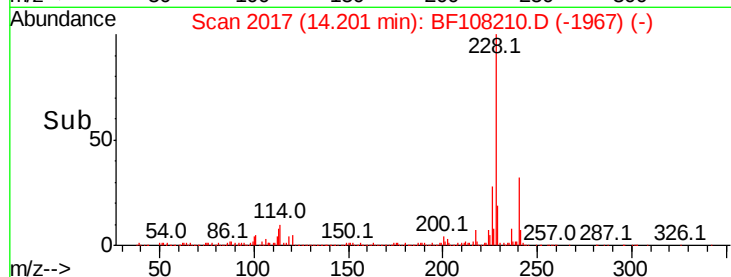
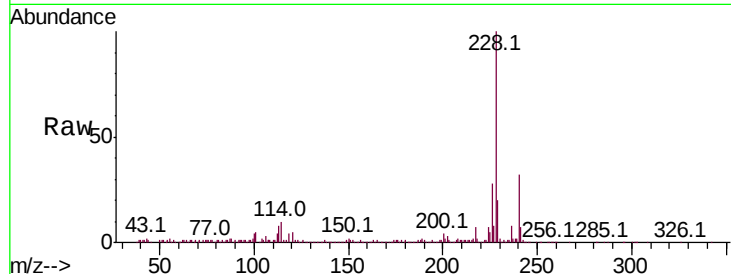
#80
Benzo(a)anthracene
Concen: 8.361 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Instrument :
BNA_F
ClientSampleId :
LSB-05(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	229336		
226	28.0		22.6	33.8
229	19.8		15.8	23.6

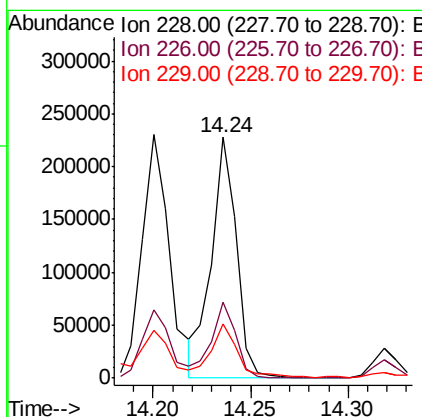
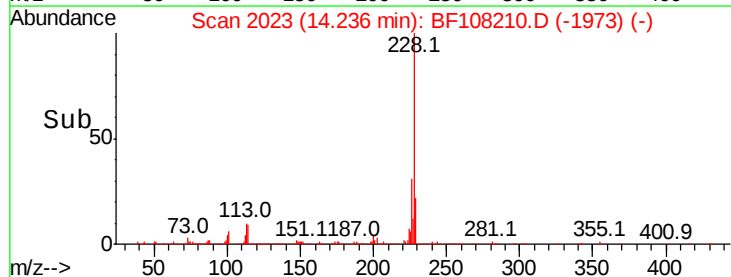
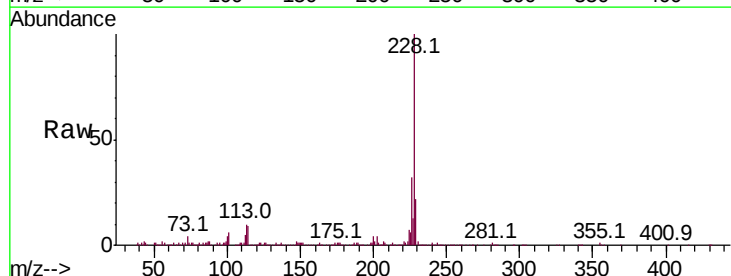
Manual Integrations
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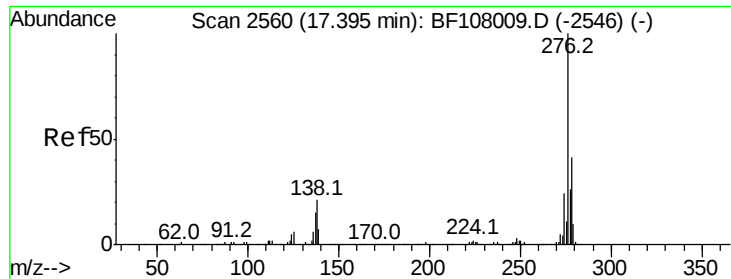
Sohil
8/17/2018 3:31:00 PM



#82
Chrysene
Concen: 8.063 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	202757		
226	31.8		25.0	37.6
229	22.3		16.2	24.4





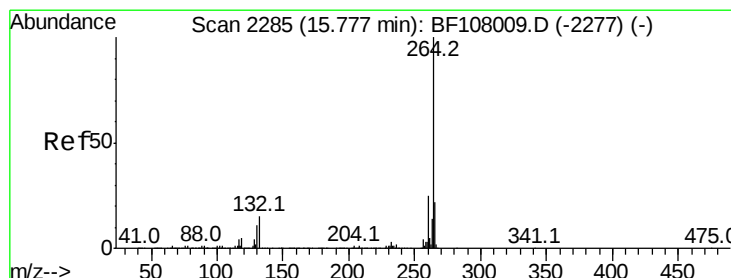
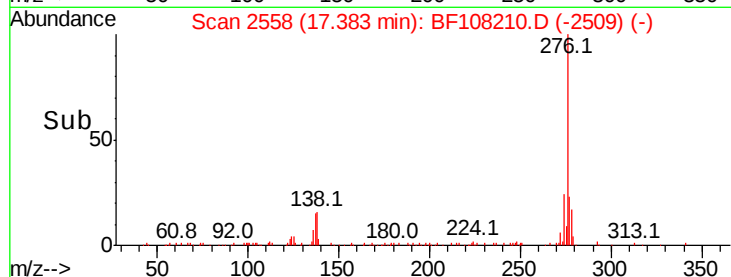
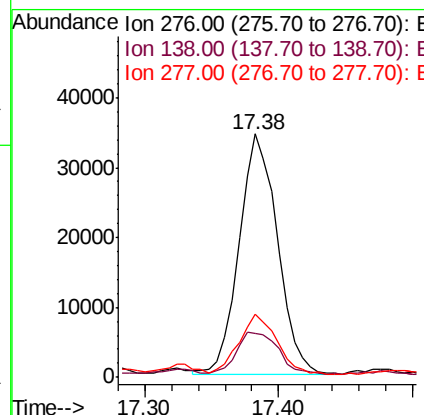
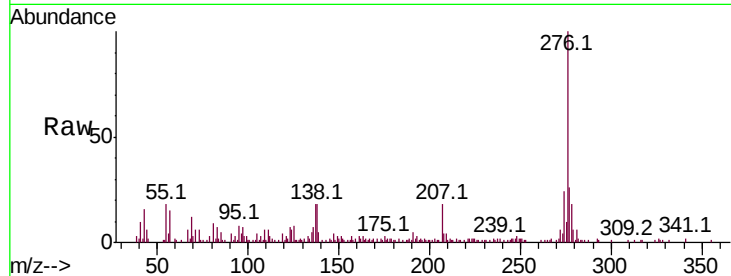
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.134 ng
 RT: 17.38 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

Instrument :
 BNA_F
 ClientSampleId :
 LSB-05(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	25.0	37.6#
277	25.1	20.1	30.1

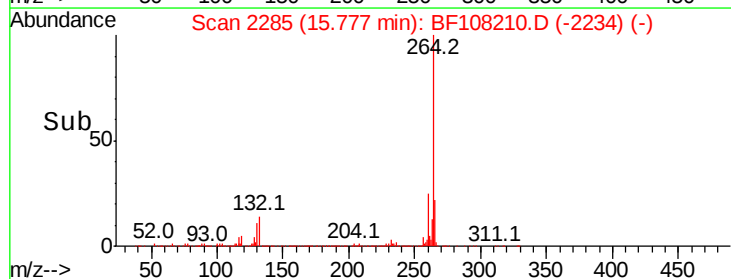
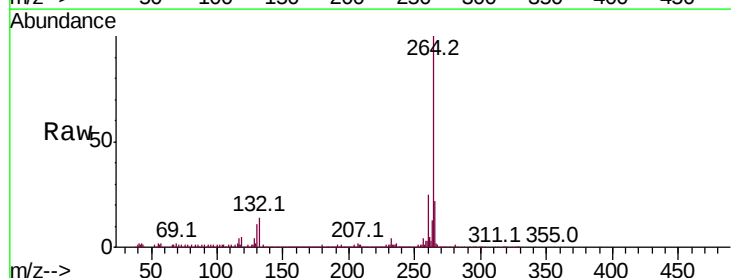
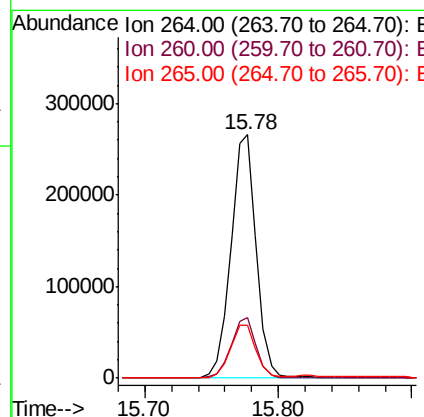
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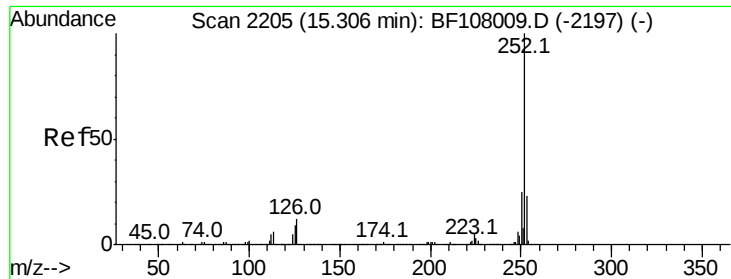
Sohil
 8/17/2018 3:31:00 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.78 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.8	17.5	26.3





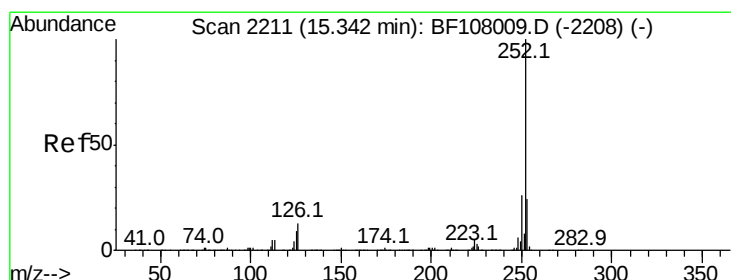
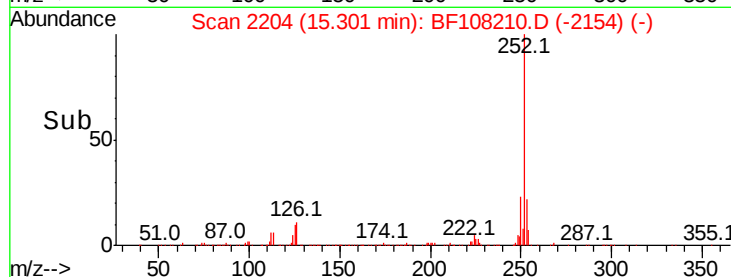
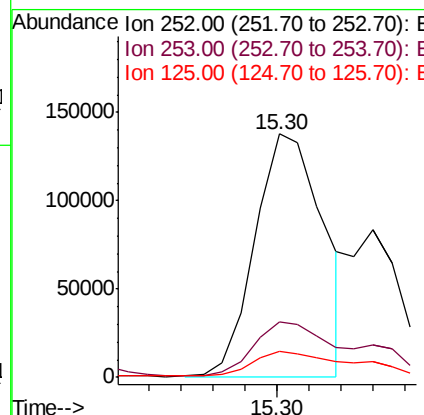
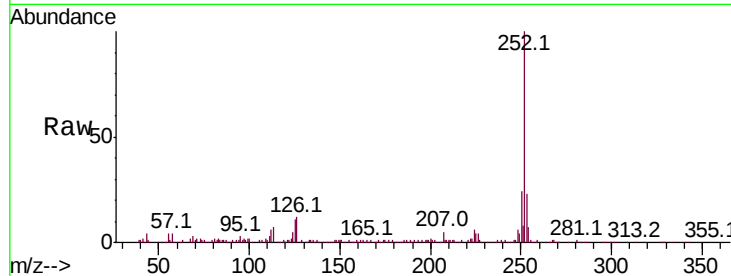
#87
Benzo(b)fluoranthene
Concen: 9.688 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Instrument :
BNA_F
ClientSampleId :
LSB-05(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	10.6	9.0	13.6

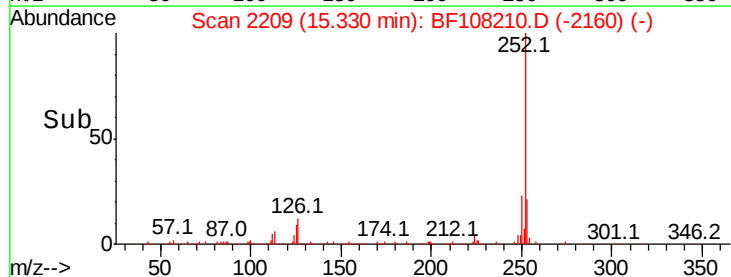
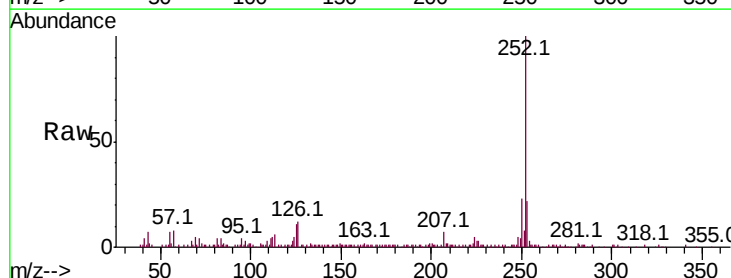
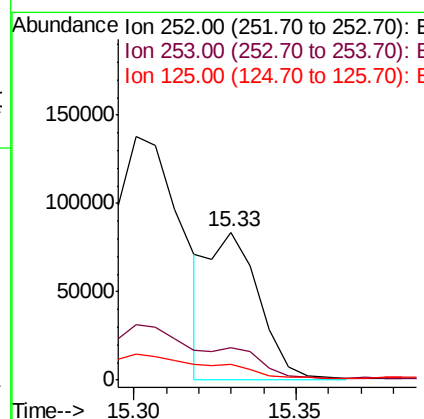
Manual Integrations
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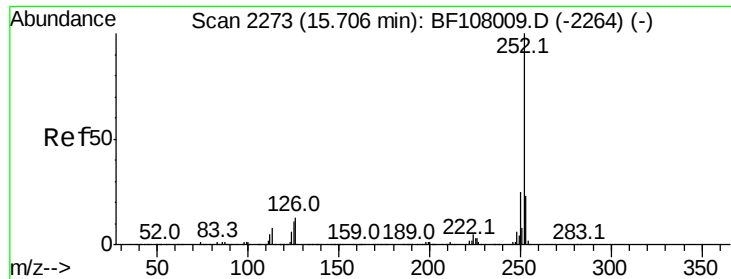
Sohil
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#88
Benzo(k)fluoranthene
Concen: 4.659 ng m
RT: 15.33 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	10.5	10.2	15.2





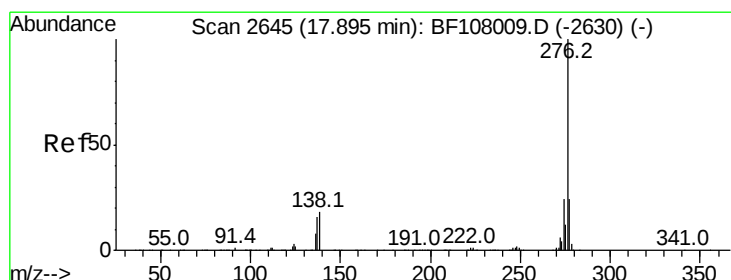
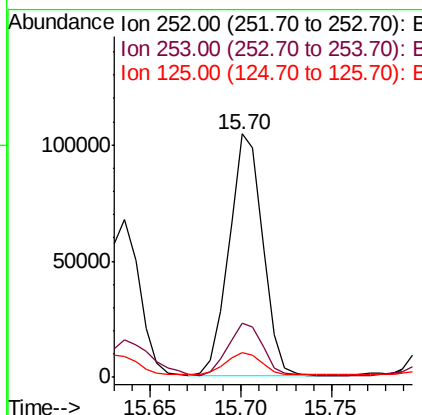
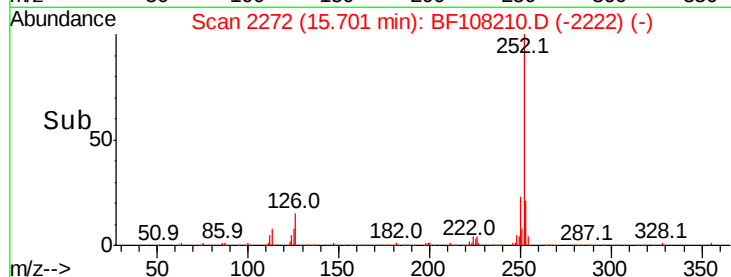
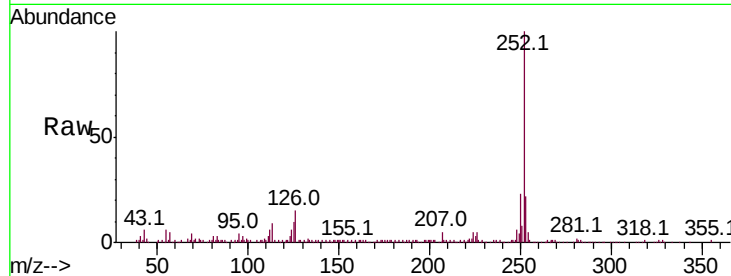
#89
Benzo(a)pyrene
Concen: 7.115 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Instrument :
BNA_F
ClientSampled :
LSB-05(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	10.2	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.075 ng
RT: 17.88 min Scan# 2642
Delta R.T. -0.02 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	21.1	21.8	32.8#

