

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108213.D
 Acq On : 16 Aug 2018 23:36
 Operator : JU/SJ
 Sample : J4499-02 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 LSB-02(0-1)

Manual Integrations
 APPROVED

Sohil
 8/17/2018 3:31:05 PM

Quant Time: Aug 17 05:01:59 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	7.01	152	165909	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	618610	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	279953	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	478099	20.00	ng	0.00
75) Chrysene-d12	14.21	240	420466	20.00	ng	0.00
86) Perylene-d12	15.78	264	317233	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	160388	17.50	ng	0.00
7) Phenol-d6	6.62	99	217933	17.90	ng	0.00
23) Nitrobenzene-d5	7.57	82	141930	12.80	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	44810	16.05	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	255961	14.68	ng	0.00
78) Terphenyl-d14	13.14	244	202750	12.26	ng	0.00
Target Compounds						
31) Naphthalene	8.32	128	73066	2.597	ng	99
37) 2-Methylnaphthalene	9.01	142	59425	2.986	ng	99
70) Phenanthrene	11.58	178	637852	28.286	ng	99
71) Anthracene	11.63	178	118181	5.113	ng	100
72) Carbazole	11.78	167	81557	3.972	ng	99
74) Fluoranthene	12.78	202	1194228	48.525	ng	96
77) Pyrene	13.01	202	1022943	38.428	ng	99
80) Benzo(a)anthracene	14.21	228	591987	24.533	ng	98
82) Chrysene	14.24	228	607228	27.448	ng	98
83) Bis(2-ethylhexyl)phthalate	14.17	149	80099	5.596	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.39	276	300438	15.674	ng	# 86
87) Benzo(b)fluoranthene	15.31	252	734431m	38.744	ng	
88) Benzo(k)fluoranthene	15.34	252	261645m	15.015	ng	
89) Benzo(a)pyrene	15.71	252	397334	23.408	ng	94
90) Dibenzo(a,h)anthracene	17.40	278	69949m	4.980	ng	
91) Benzo(g,h,i)perylene	17.89	276	259551	18.768	ng	# 91

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

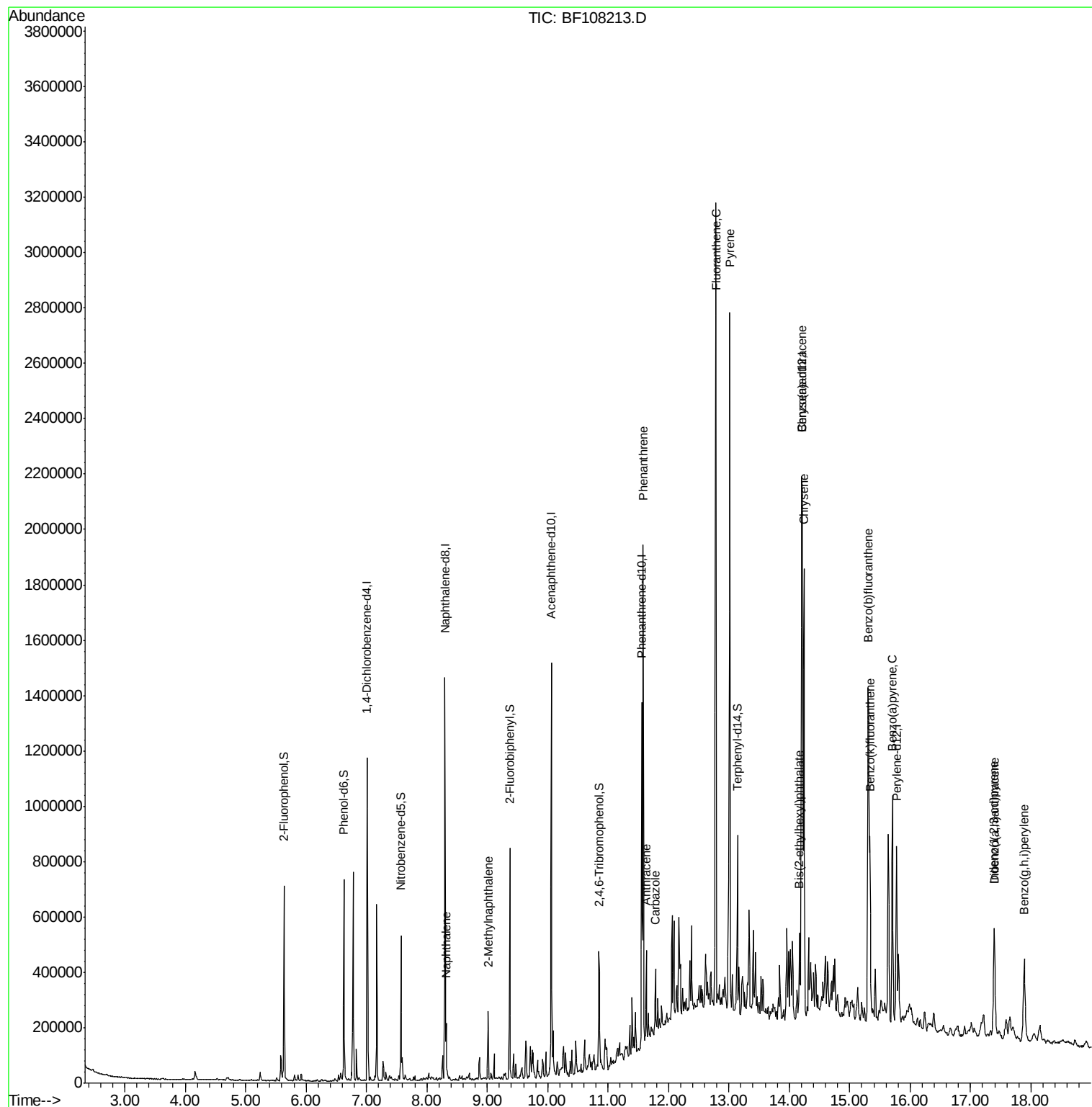
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
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#1

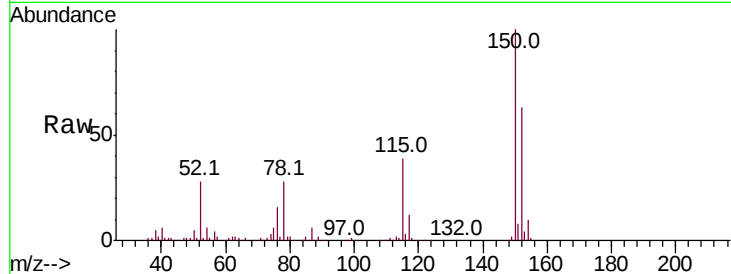
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	61.2	50.1	75.1

Manual Integrations
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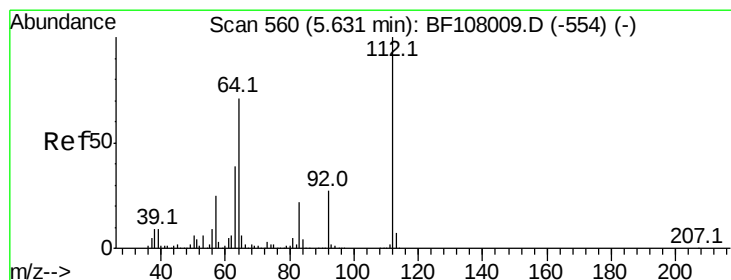
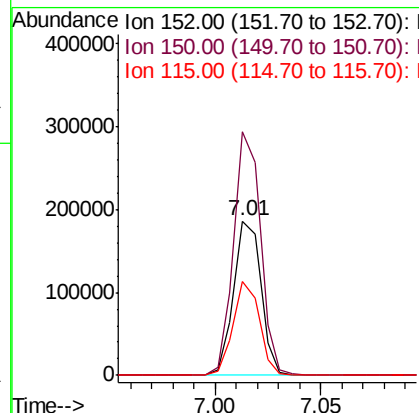
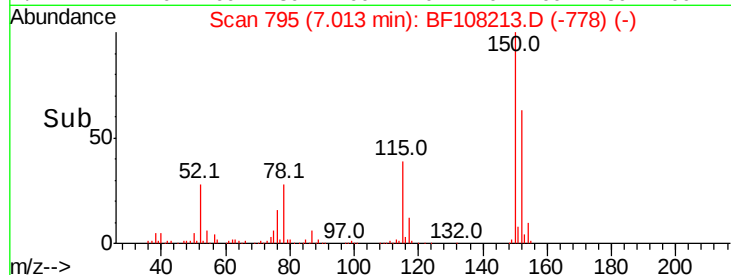


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

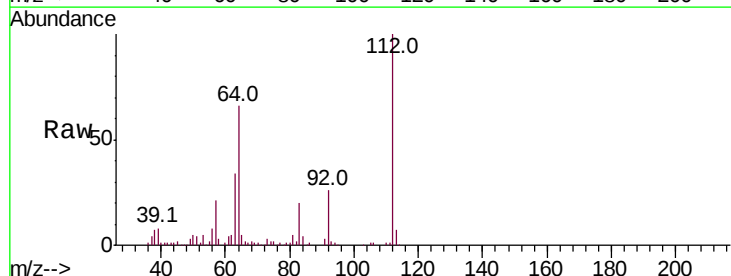
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.502 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	47.9	71.9
63	34.4	23.7	35.5

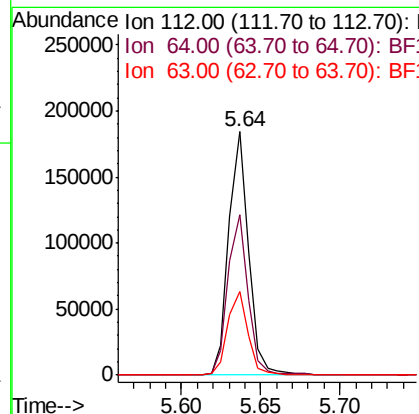
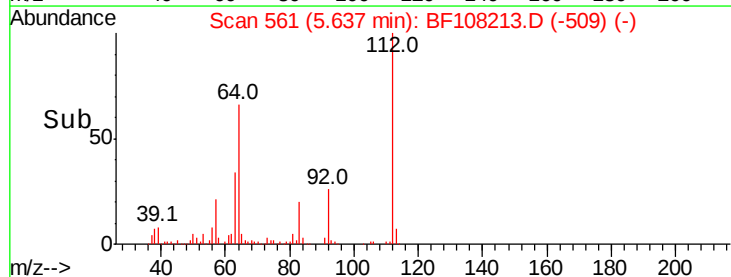


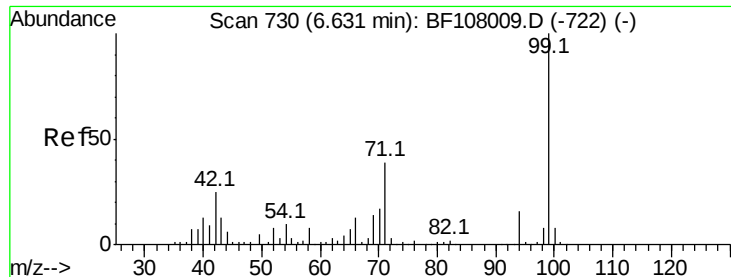
Abundance

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: 17.896 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108213.D

Acq: 16 Aug 2018 23:36

Instrument :

BNA_F

ClientSampleId :

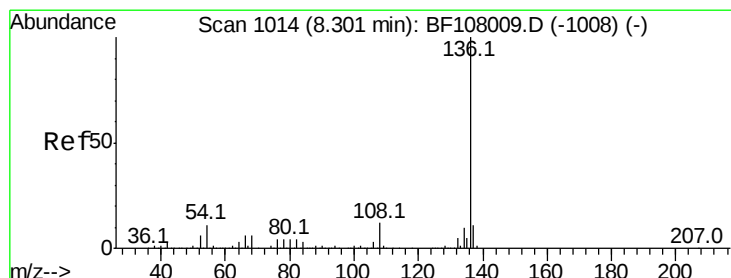
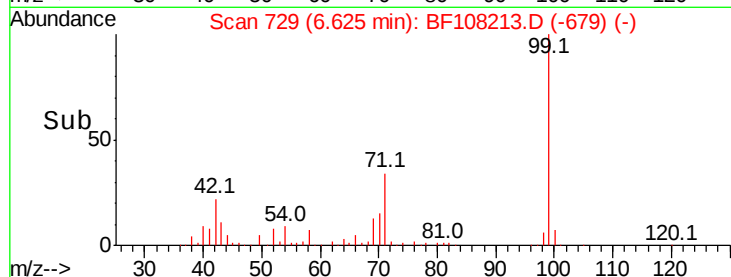
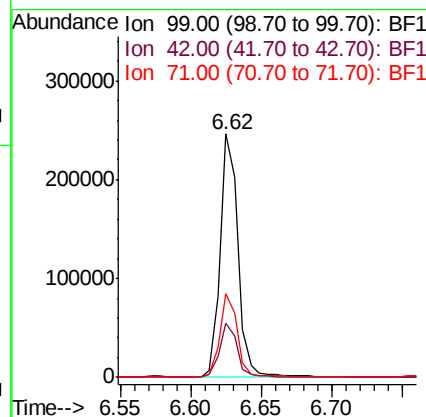
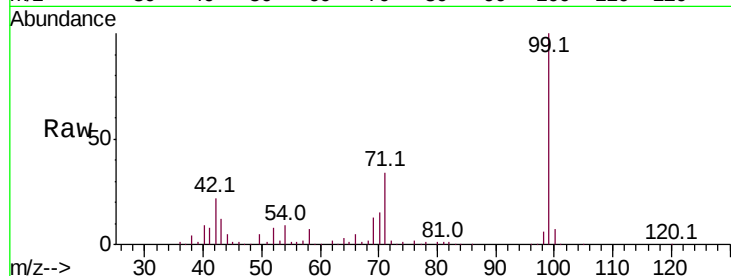
LSB-02(0-1)

Tot Ion: 99 Resp: 217933

Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.5	21.7#
71	34.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

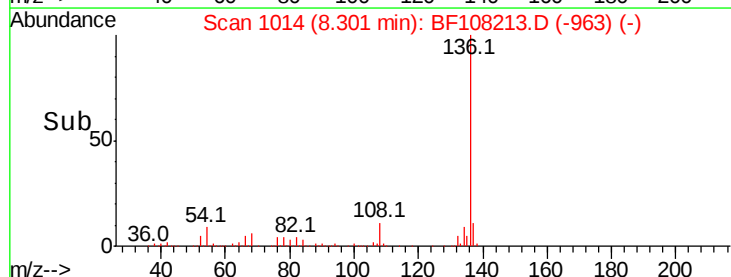
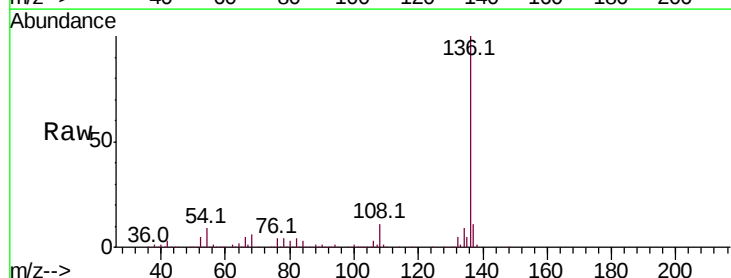
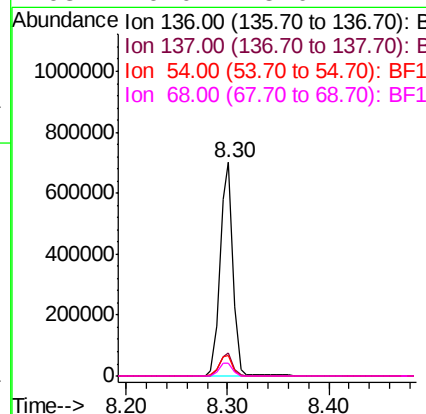
Delta R.T. 0.00 min

Lab File: BF108213.D

Acq: 16 Aug 2018 23:36

Tgt Ion: 136 Resp: 618610

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.5	6.6	9.8
68	6.0	5.0	7.4





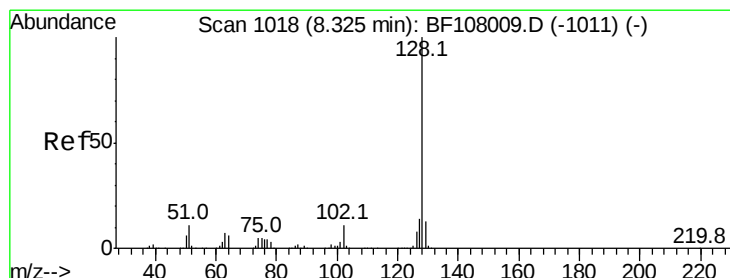
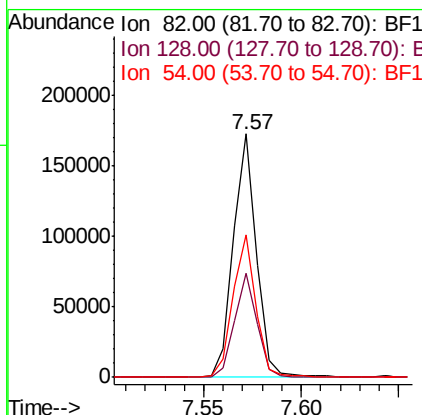
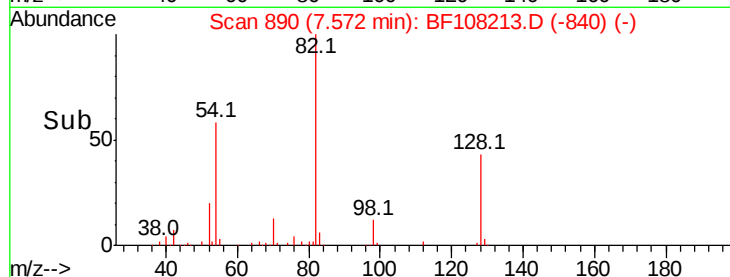
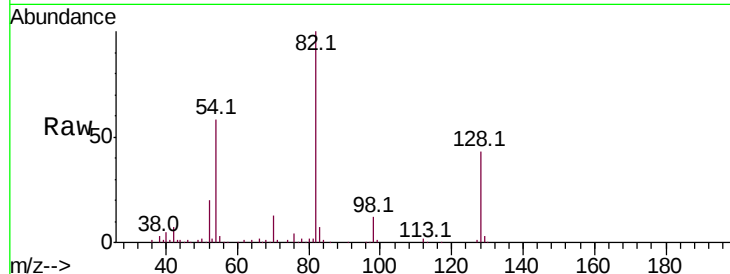
#23
 Nitrobenzene-d5
 Concen: 12.803 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108213.D
 Acq: 16 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampled :
 LSB-02(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.8	36.1	54.1	
54	58.4	41.4	62.2	

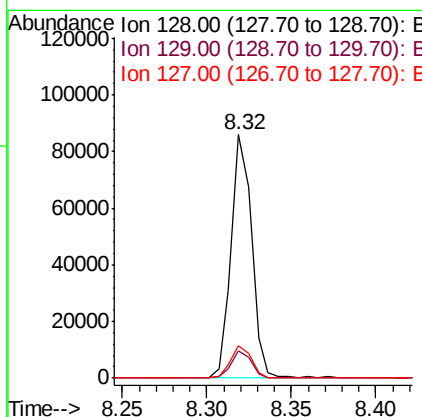
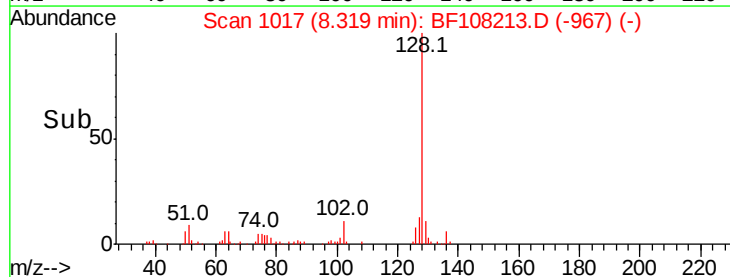
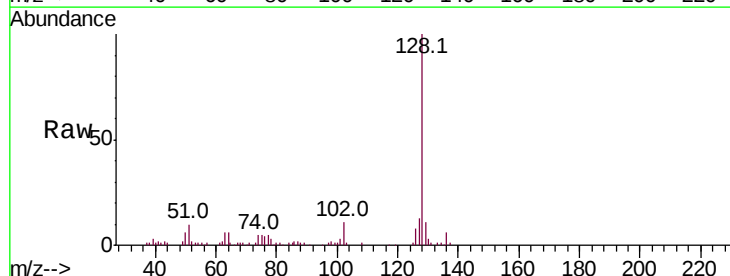
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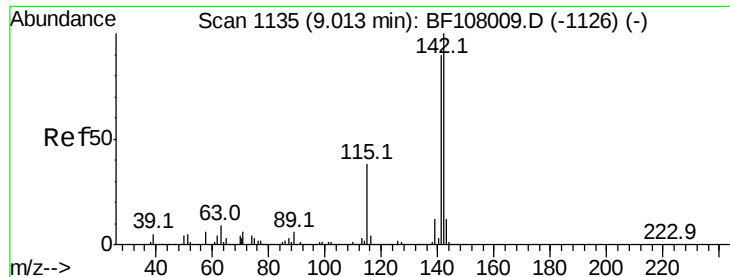
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#31
 Naphthalene
 Concen: 2.597 ng
 RT: 8.32 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BF108213.D
 Acq: 16 Aug 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	8.8	13.2	
127	13.2	10.9	16.3	





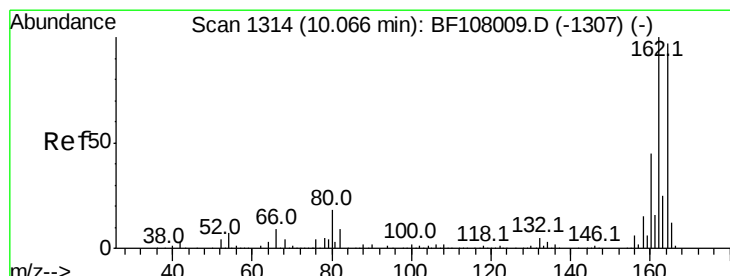
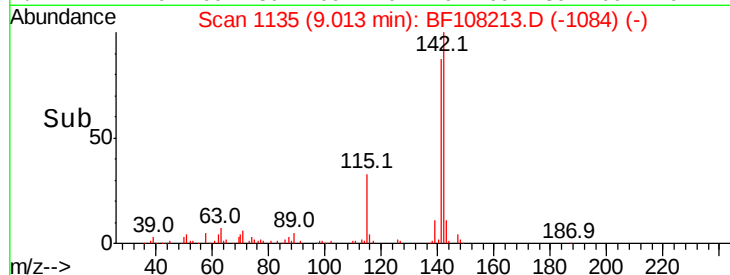
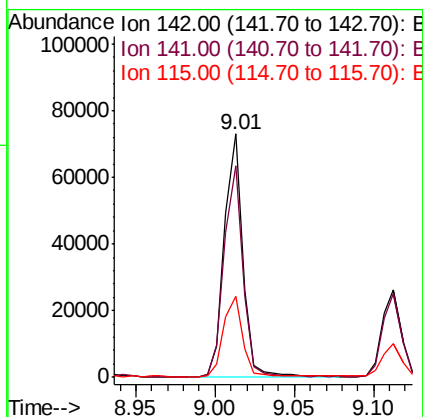
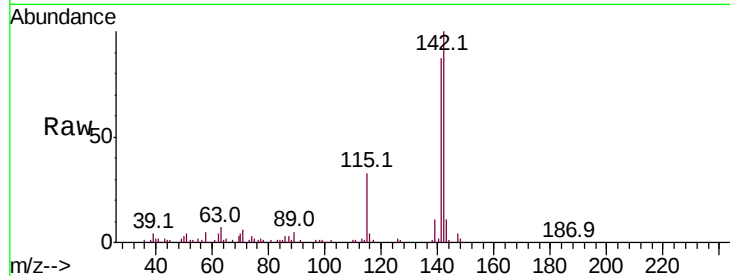
#37
 2-Methylnaphthalene
 Concen: 2.986 ng
 RT: 9.01 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: BF108213.D
 Acq: 16 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 LSB-02(0-1)

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.8	106.2
115	33.0	26.1	39.1

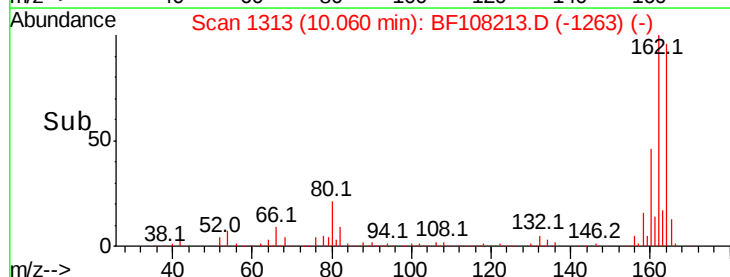
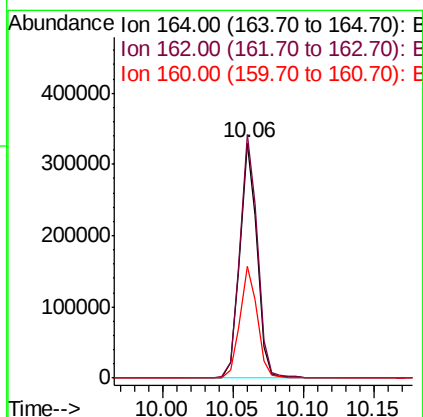
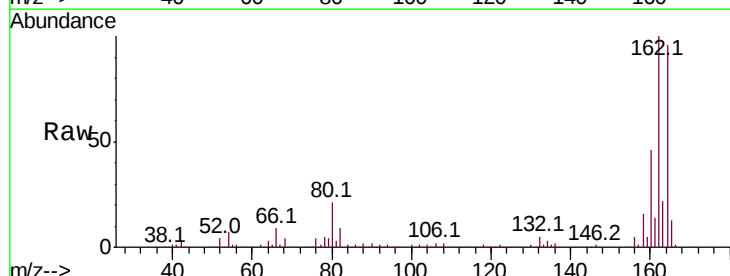
Manual Integrations
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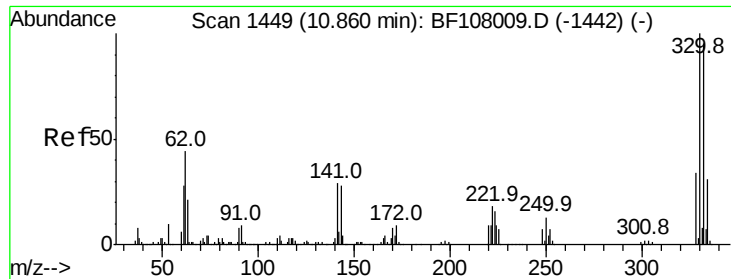
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108213.D
 Acq: 16 Aug 2018 23:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	47.7	38.3	57.5





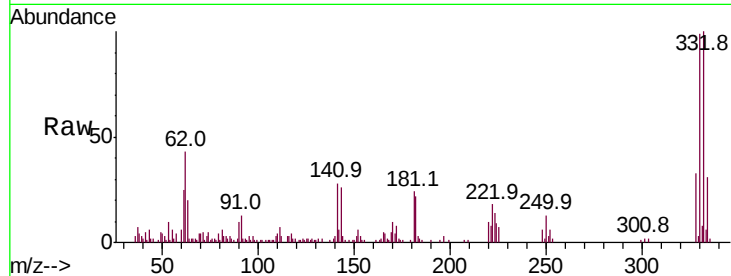
#41
 2,4,6-Tribromophenol
 Concen: 16.047 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108213.D
 Acq: 16 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 LSB-02(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	77.0	115.6	
141	34.9	29.9	44.9	

Manual Integrations
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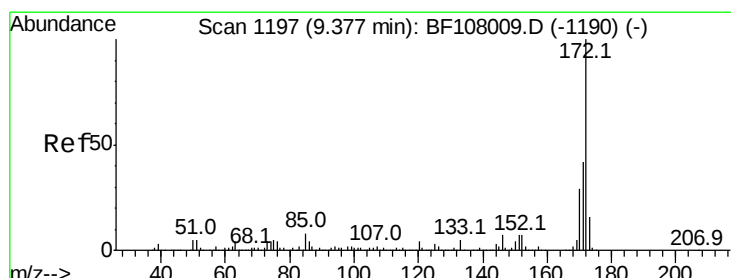
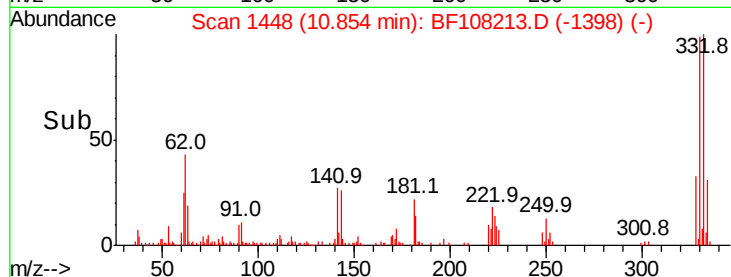
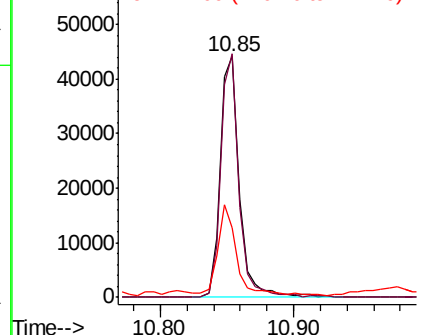


Abundance

Ion 329.80 (329.50 to 330.50): E

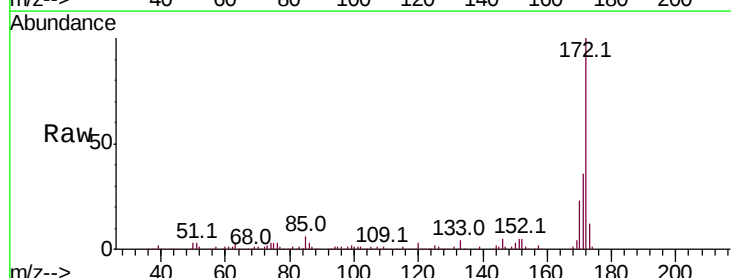
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 14.679 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108213.D
 Acq: 16 Aug 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.7	44.5	
170	23.1	19.6	29.4	

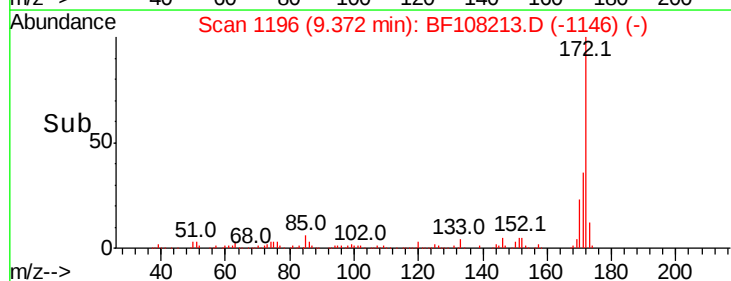
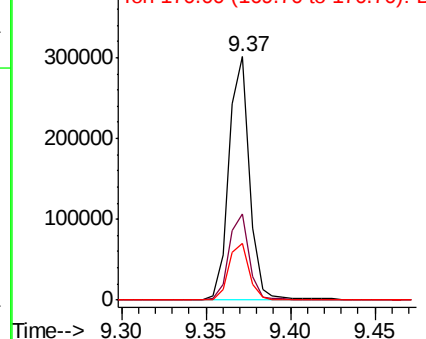


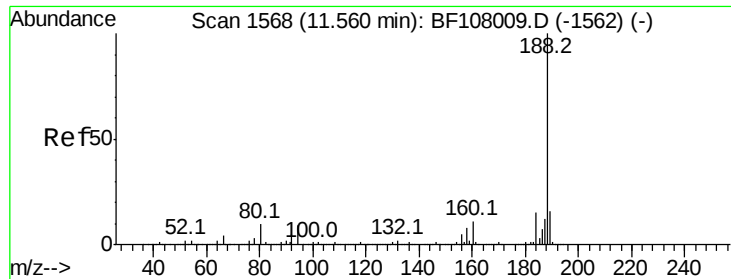
Abundance

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





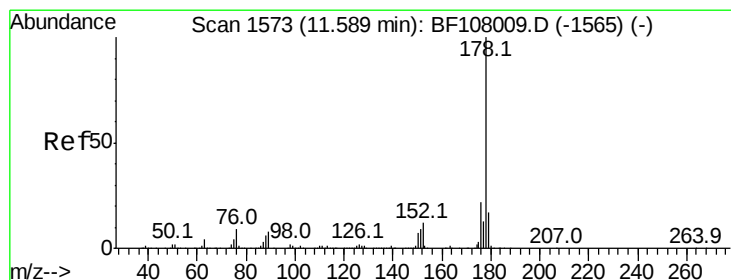
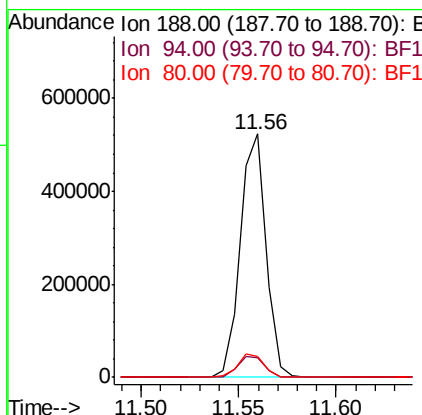
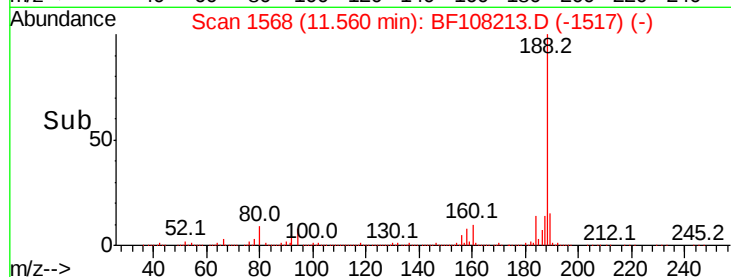
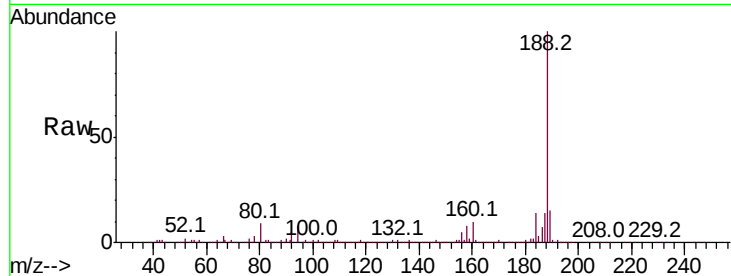
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	478099		
94	7.9	8.5	12.7#	
80	8.8	9.2	13.8#	

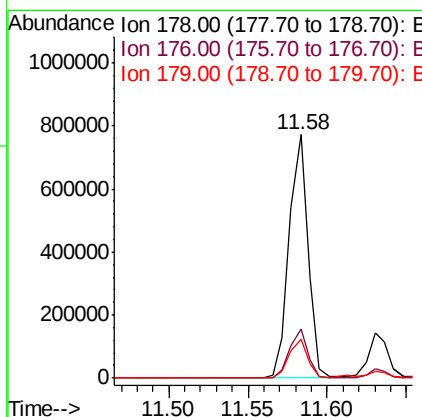
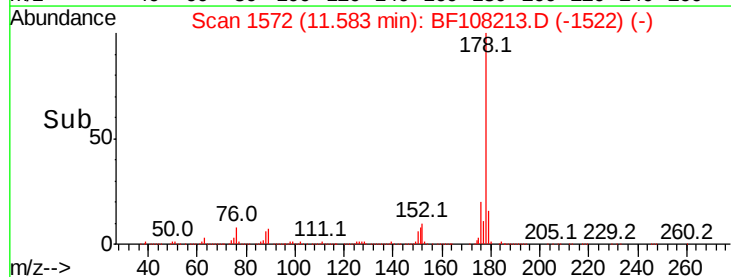
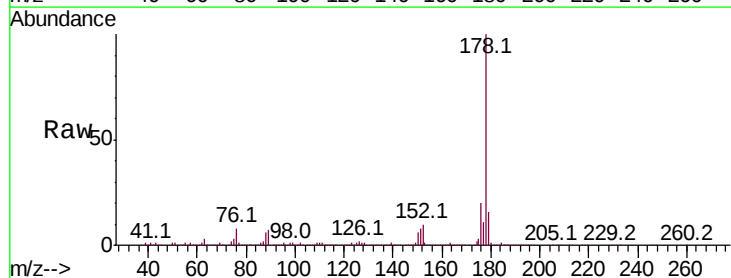
Manual Integrations
APPROVED

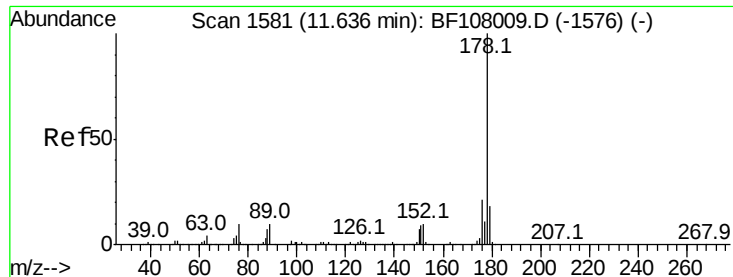
Sohil
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#70
Phenanthrene
Concen: 28.286 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	637852		
176	19.9	15.8	23.8	
179	15.7	13.0	19.6	





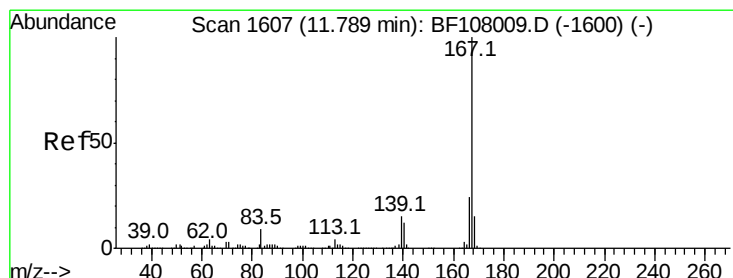
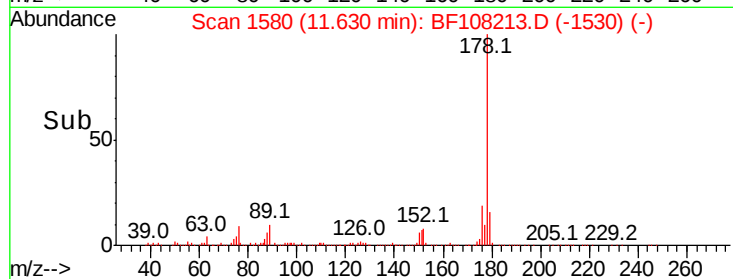
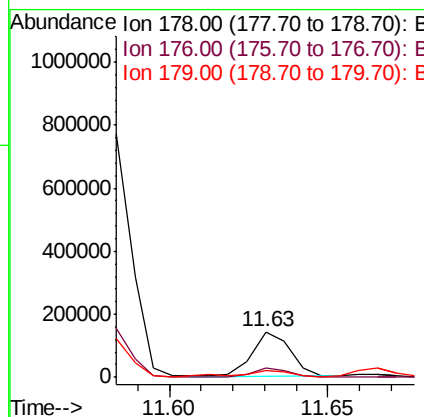
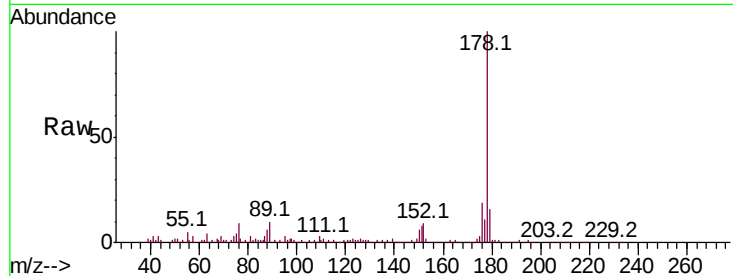
#71
 Anthracene
 Concen: 5.113 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108213.D
 Acq: 16 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 LSB-02(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.1	12.6	19.0

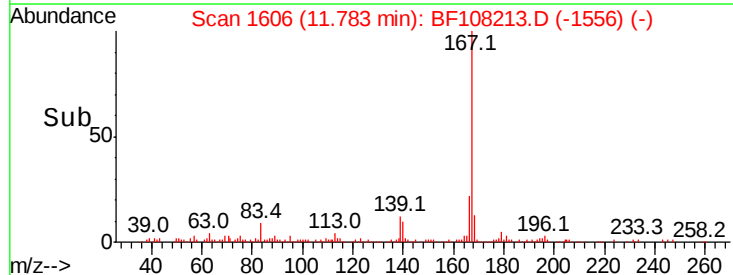
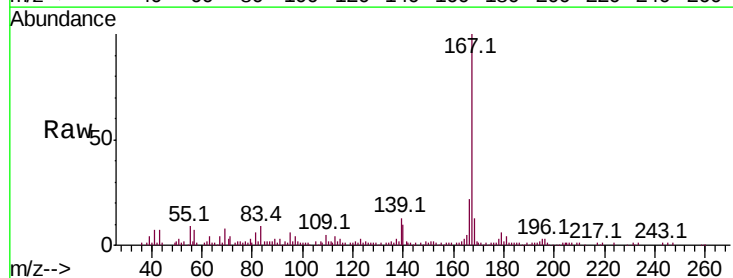
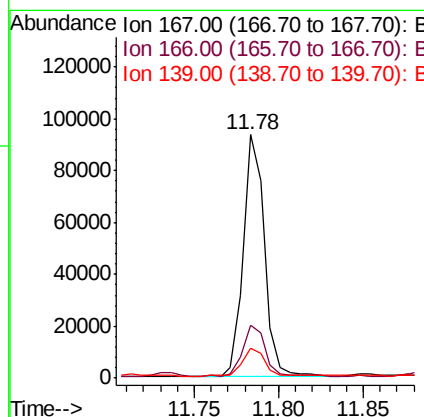
Manual Integrations
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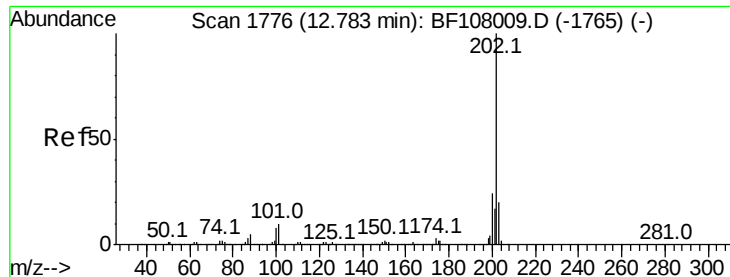
Sohil
 8/17/2018 3:31:05 PM



#72
 Carbazole
 Concen: 3.972 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108213.D
 Acq: 16 Aug 2018 23:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	12.5	10.9	16.3





#74

Fluoranthene

Concen: 48.525 ng

RT: 12.78 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF108213.D

Acq: 16 Aug 2018 23:36

Instrument :

BNA_F

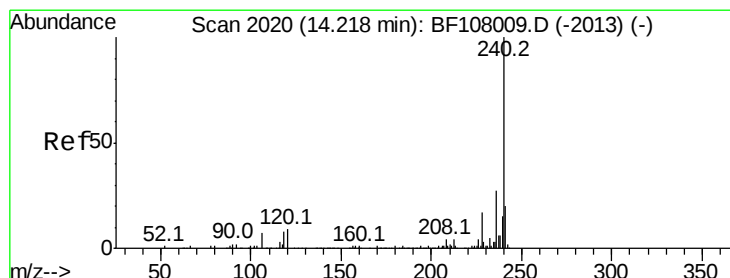
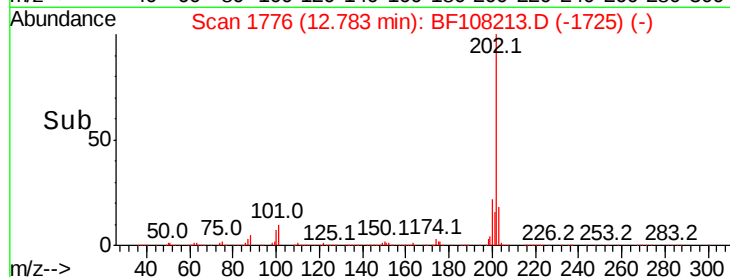
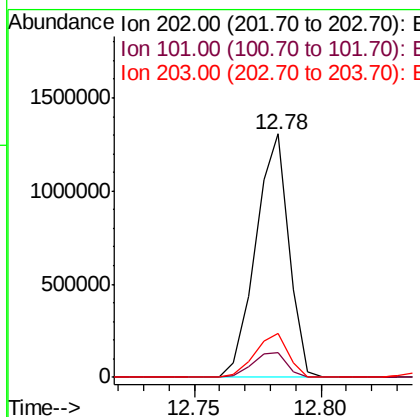
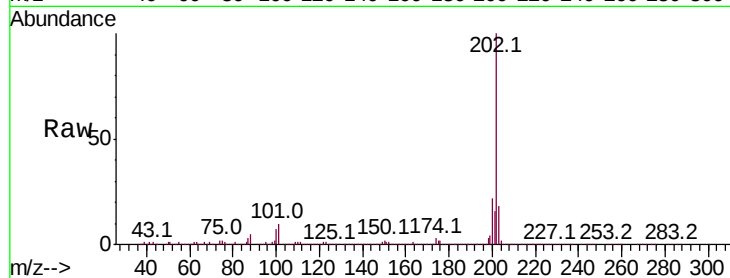
ClientSampleId :

LSB-02(0-1)

Tot Ion:	202	Resp:	1194228
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	34.1
203	18.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

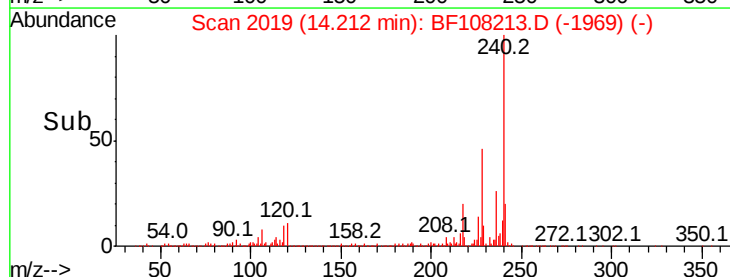
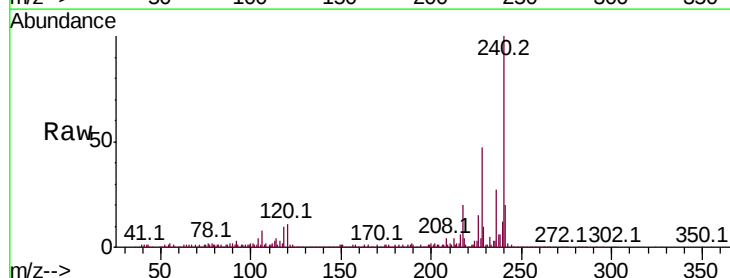
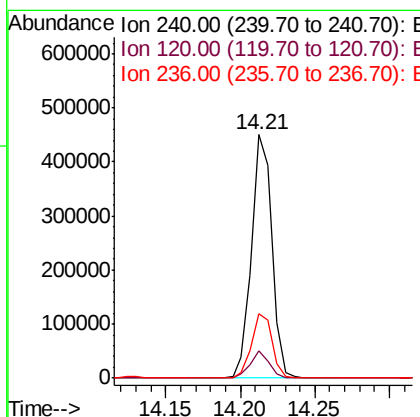
RT: 14.21 min Scan# 2019

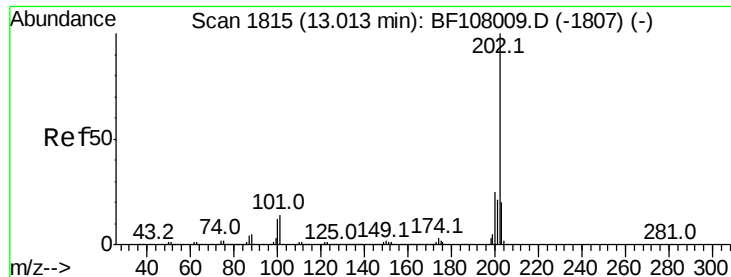
Delta R.T. -0.01 min

Lab File: BF108213.D

Acq: 16 Aug 2018 23:36

Tgt Ion:	240	Resp:	420466
Ion Ratio	Lower	Upper	
240	100		
120	11.0	9.5	14.3
236	26.6	20.7	31.1





#77

Pvrene

Concen: 38.428 ng

RT: 13.01 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF108213.D

Acq: 16 Aug 2018 23:36

Instrument :

BNA_F

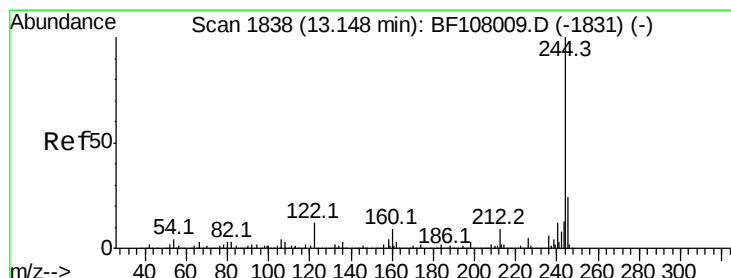
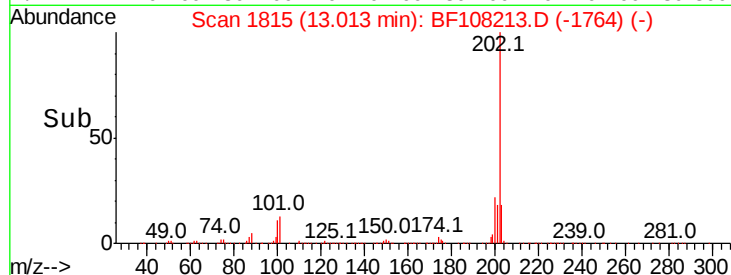
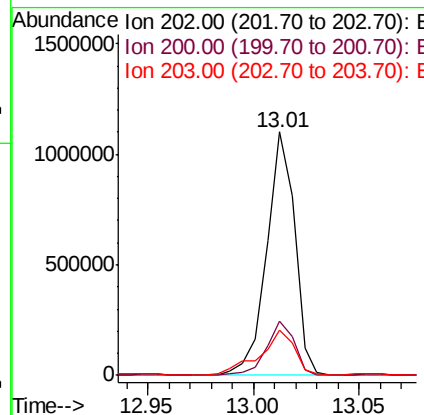
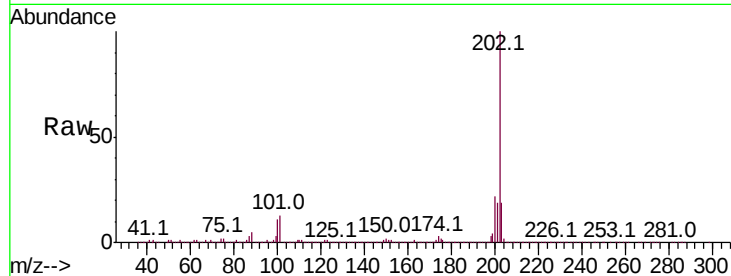
ClientSampled :

LSB-02(0-1)

Tot Ion:	202	Resp:	1022943
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.4	26.2
203	18.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 12.260 ng

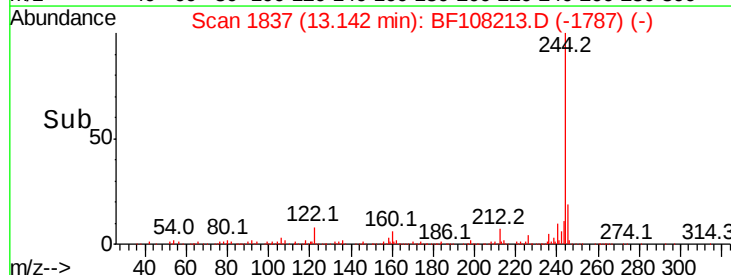
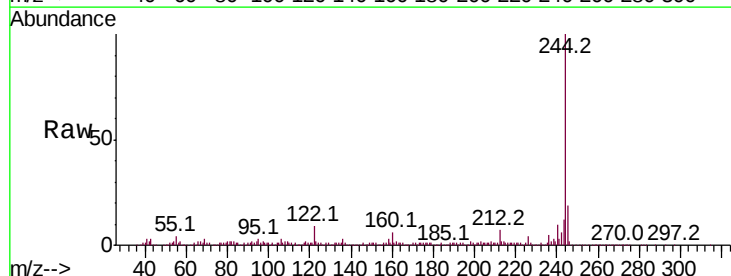
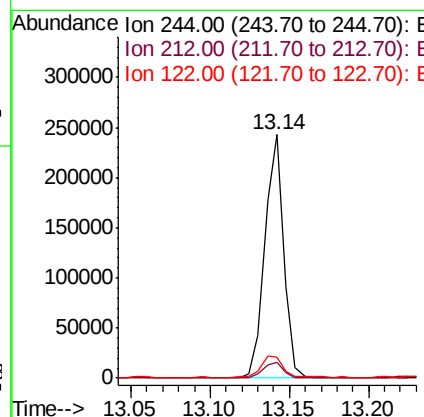
RT: 13.14 min Scan# 1837

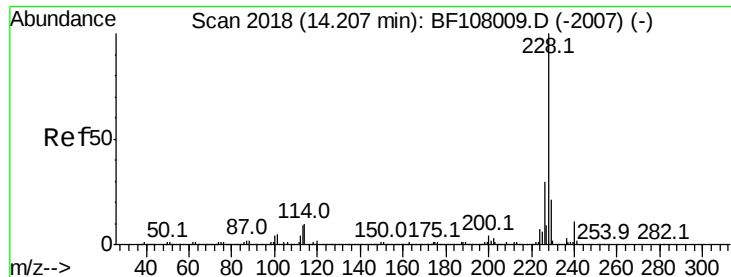
Delta R.T. -0.01 min

Lab File: BF108213.D

Acq: 16 Aug 2018 23:36

Tgt Ion:	244	Resp:	202750
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	8.8	11.0	16.4#





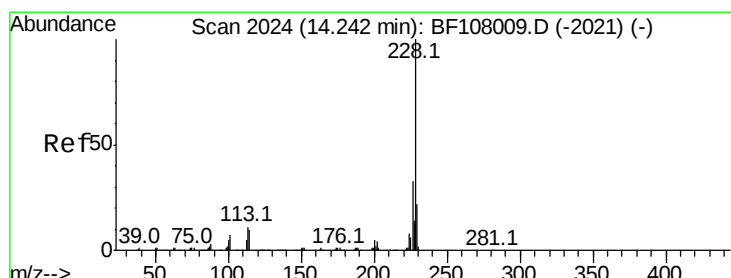
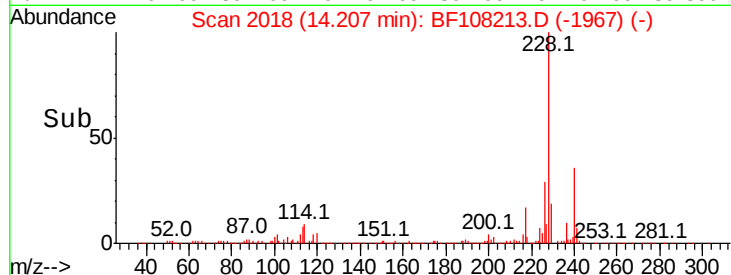
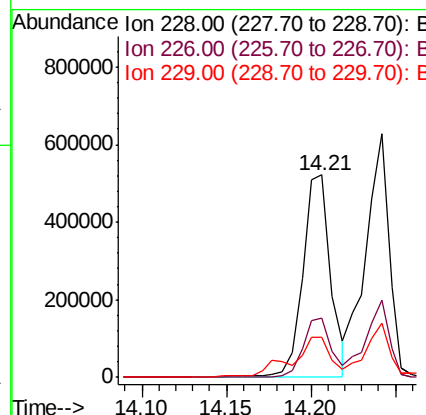
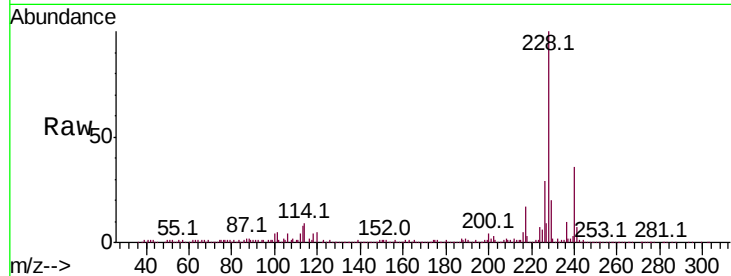
#80
Benzo(a)anthracene
Concen: 24.533 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.1	15.8	23.6

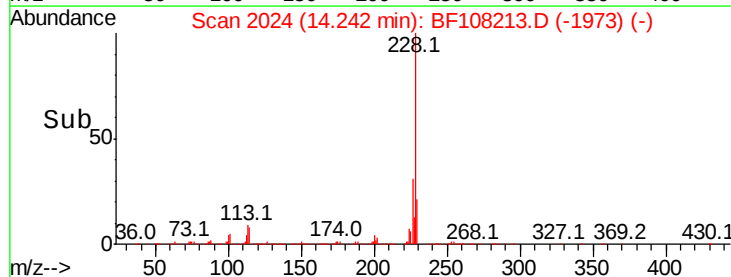
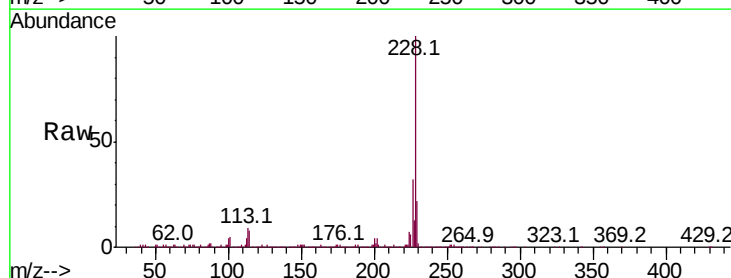
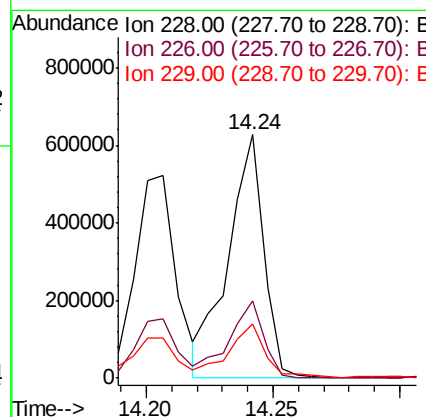
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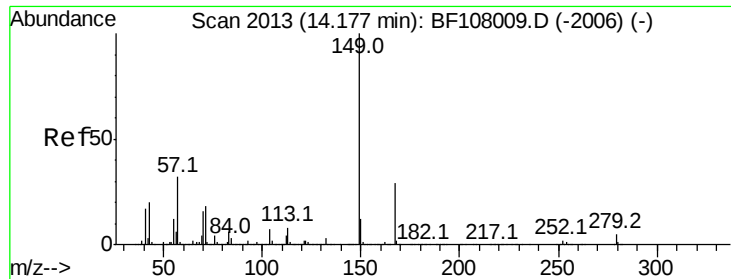
Sohil
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#82
Chrysene
Concen: 27.448 ng
RT: 14.24 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.0	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.596 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF108213.D

Acq: 16 Aug 2018 23:36

Instrument :

BNA_F

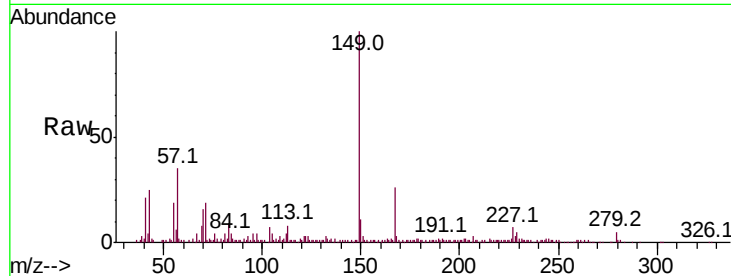
ClientSampleId :

LSB-02(0-1)

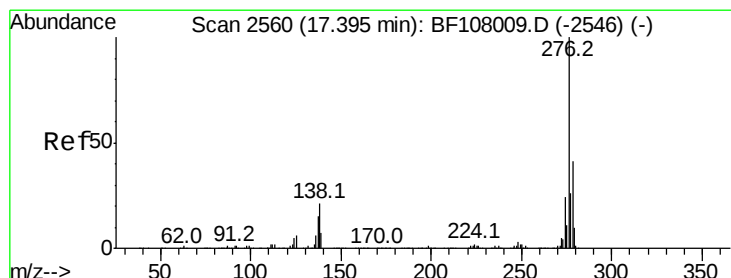
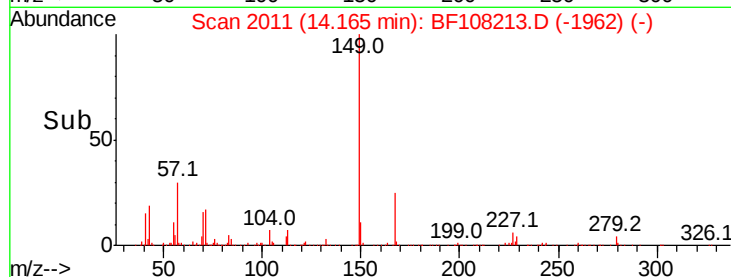
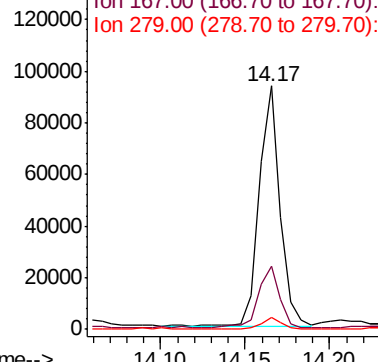
Tot Ion:	149	Resp:	80099
Ion Ratio	Lower	Upper	
149	100		
167	25.9	21.3	31.9
279	4.7	3.0	4.4#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.674 ng

RT: 17.39 min Scan# 2559

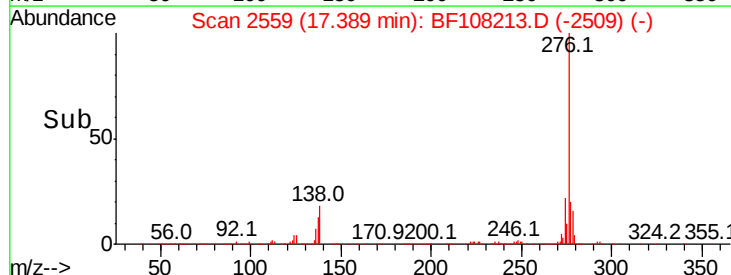
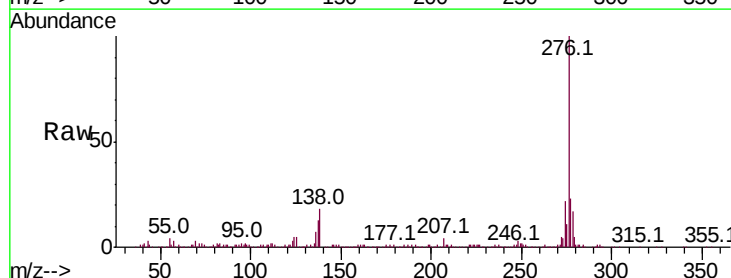
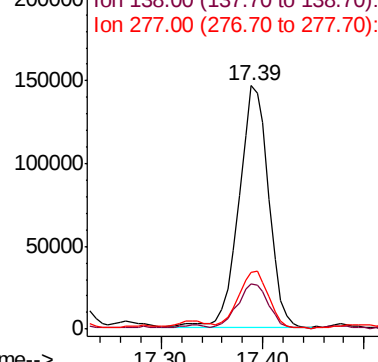
Delta R.T. -0.01 min

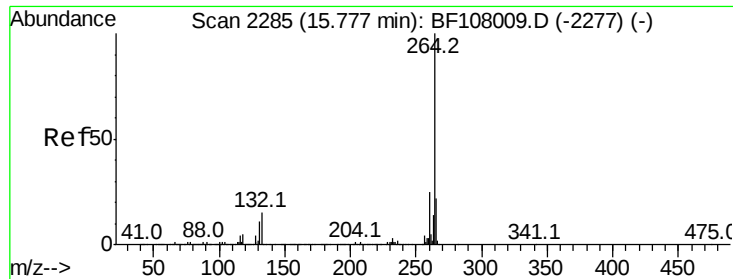
Lab File: BF108213.D

Acq: 16 Aug 2018 23:36

Tgt Ion:	276	Resp:	300438
Ion Ratio	Lower	Upper	
276	100		
138	19.0	25.0	37.6#
277	23.8	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





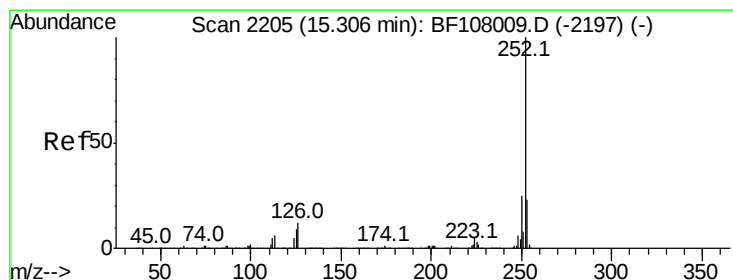
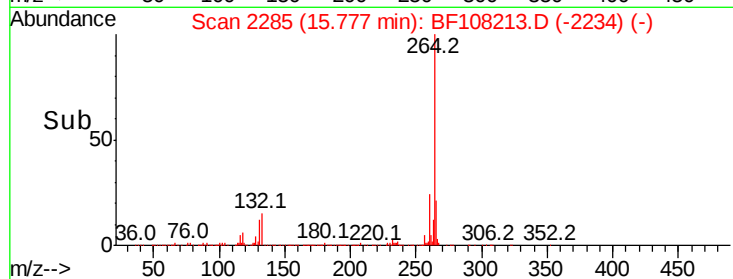
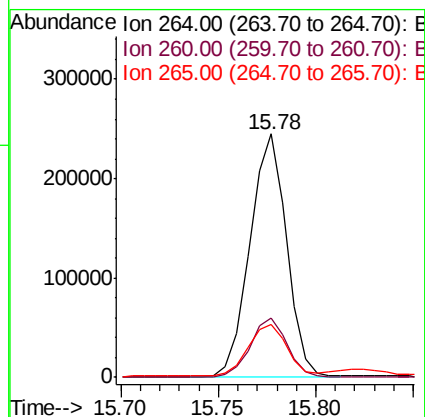
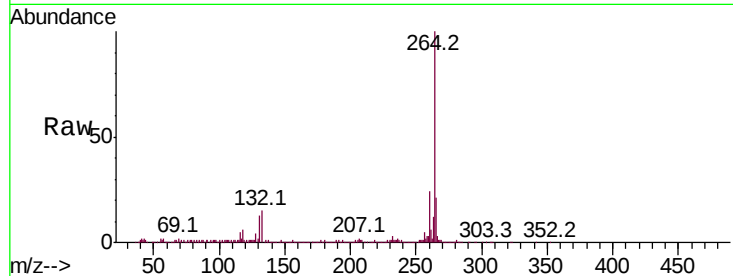
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tot Ion:	264	Resp:	317233
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	21.5	17.5	26.3

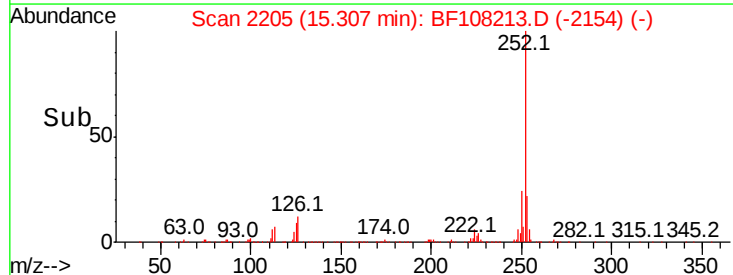
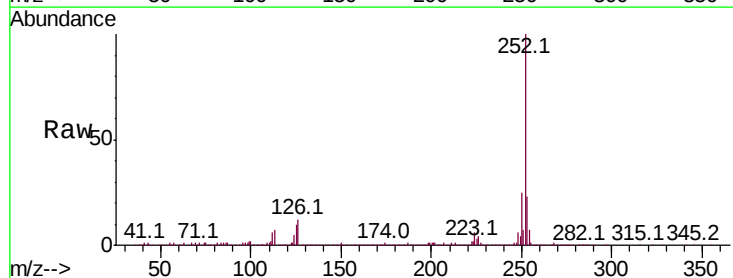
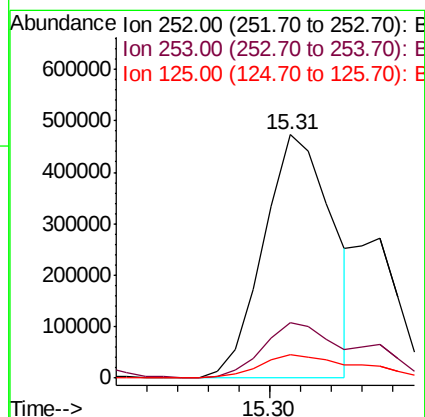
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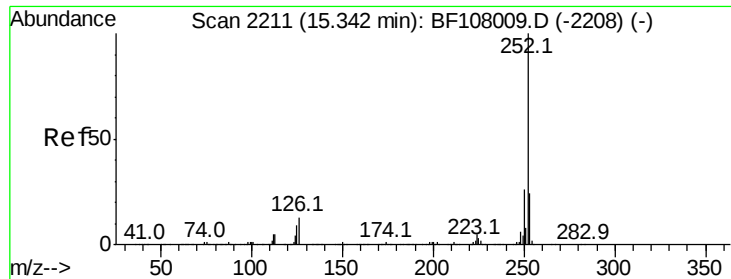
Sohil
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#87
Benzo(b)fluoranthene
Concen: 38.744 ng m
RT: 15.31 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:	252	Resp:	734431
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	9.6	9.0	13.6





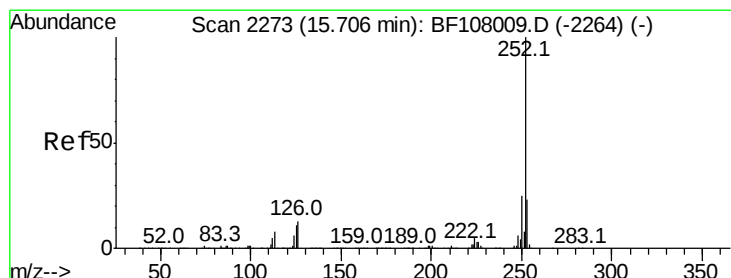
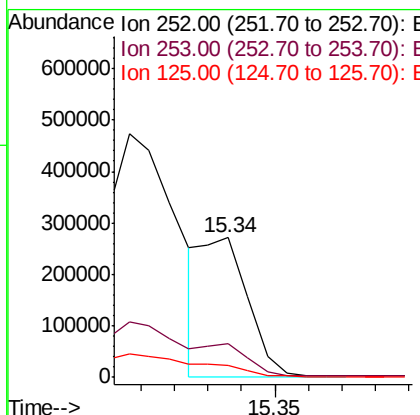
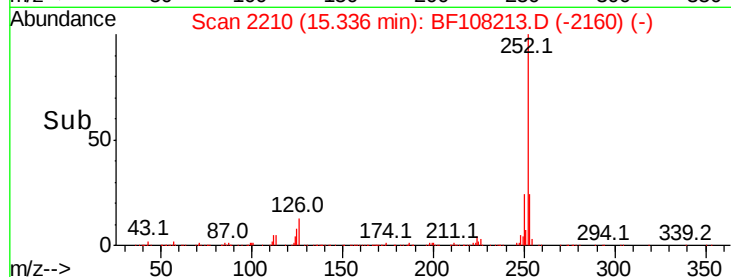
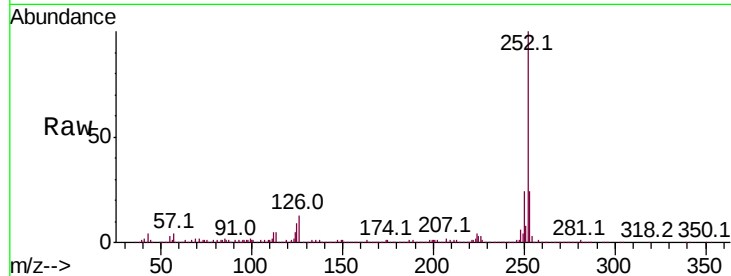
#88
Benzo(k)fluoranthene
Concen: 15.015 ng/mL
RT: 15.34 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	8.6	10.2	15.2

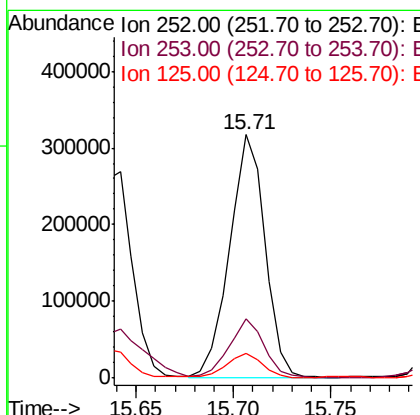
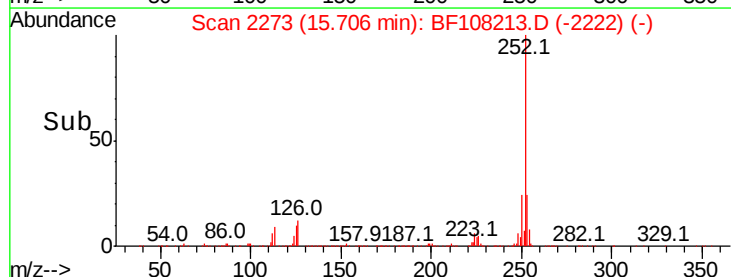
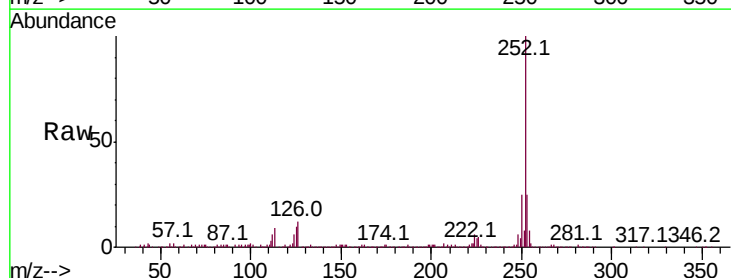
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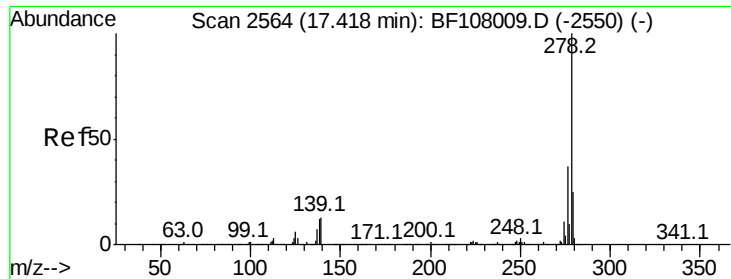
Sohil
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#89
Benzo(a)pyrene
Concen: 23.408 ng/mL
RT: 15.71 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	10.4	9.8	14.6





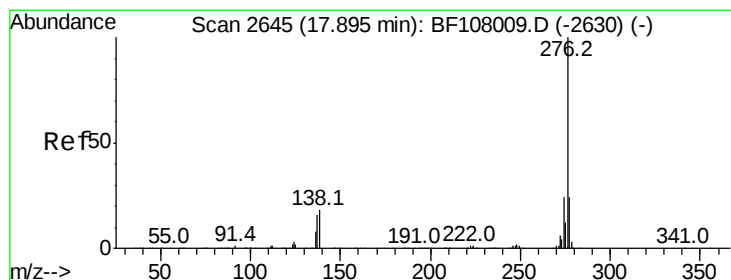
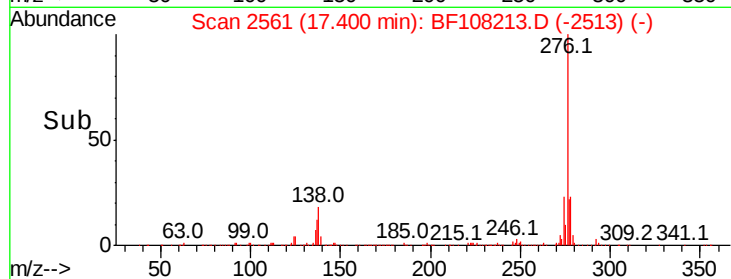
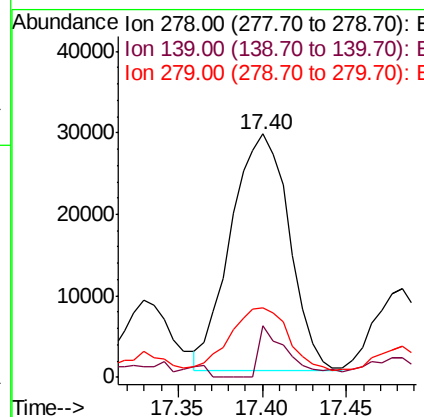
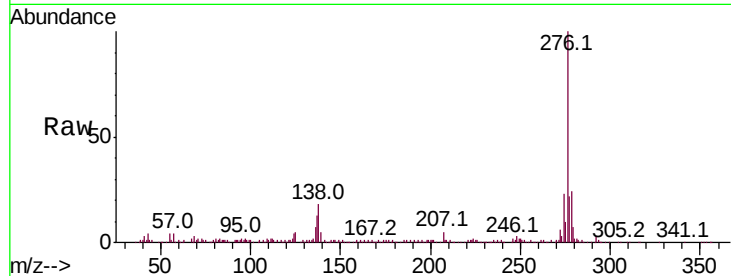
#90
Dibenzo(a,h)anthracene
Concen: 4.980 ng m
RT: 17.40 min Scan# 2561
Delta R.T. -0.02 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampled :
LSB-02(0-1)

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.2	15.9	23.9
279	28.5	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 18.768 ng
RT: 17.89 min Scan# 2644
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.0	17.9	26.9
138	19.4	21.8	32.8

