

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108121.D
 Acq On : 13 Aug 2018 17:32
 Operator : JU/SJ
 Sample : J4282-03RE 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-BRE

Manual Integrations
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Sohil
 8/14/2018 2:36:42 PM

Quant Time: Aug 14 01:30:12 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	235721	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	860392	20.00	ng	0.00
38) Acenaphthene-d10	10.08	164	377738	20.00	ng	0.01
63) Phenanthrene-d10	11.57	188	667442	20.00	ng	0.01
75) Chrysene-d12	14.24	240	524394	20.00	ng	0.02
86) Perylene-d12	15.81	264	366494	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	326524	25.08	ng	0.01
7) Phenol-d6	6.63	99	433650	25.06	ng	0.00
23) Nitrobenzene-d5	7.58	82	258242	16.75	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	83565	22.18	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	432962	18.40	ng	0.00
78) Terphenyl-d14	13.16	244	398672	19.33	ng	0.01
Target Compounds						
70) Phenanthrene	11.60	178	267143	8.486	ng	98
71) Anthracene	11.65	178	78001	2.417	ng	98
74) Fluoranthene	12.80	202	404801	11.782	ng	96
77) Pyrene	13.03	202	373601	11.253	ng	100
80) Benzo(a)anthracene	14.22	228	162695	5.406	ng	98
82) Chrysene	14.26	228	126821	4.597	ng	97
85) Indeno(1,2,3-cd)pyrene	17.45	276	59305	2.481	ng	# 89
87) Benzo(b)fluoranthene	15.34	252	155744m	7.112	ng	
89) Benzo(a)pyrene	15.74	252	100835	5.142	ng	# 93
91) Benzo(g,h,i)perylene	17.95	276	54026	3.381	ng	# 87

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

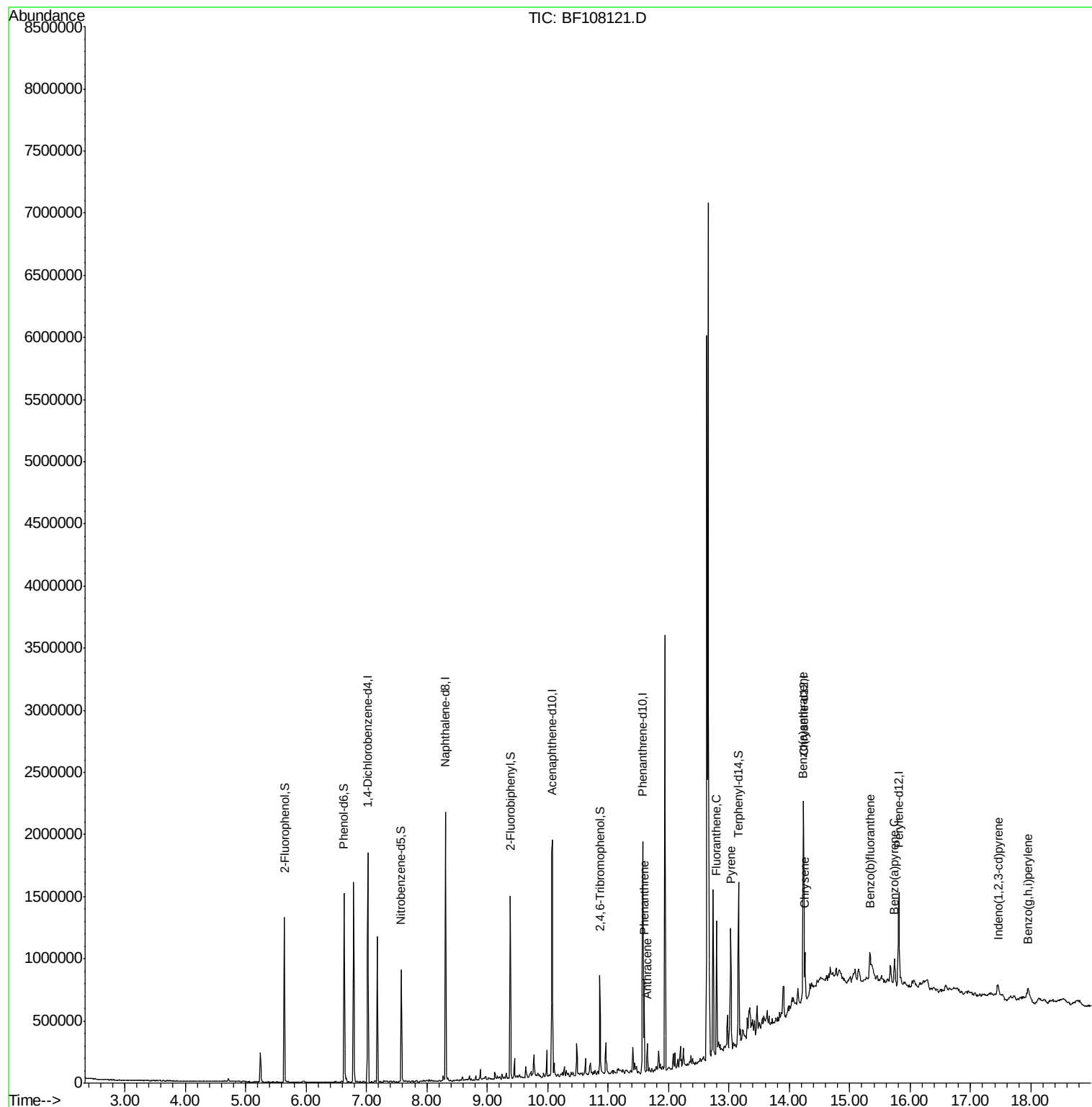
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108121.D
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Operator : JU/SJ
Sample : J4282-03RE 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

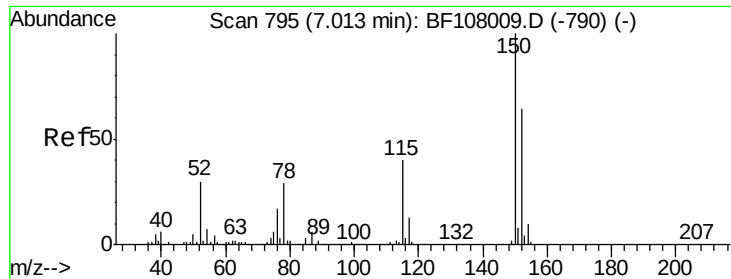
Instrument :
BNA_F
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SU-02-080918-BRE

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#1

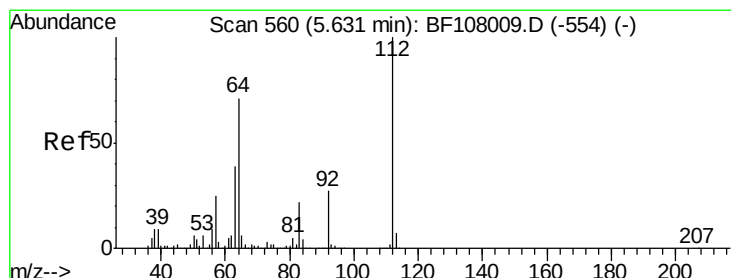
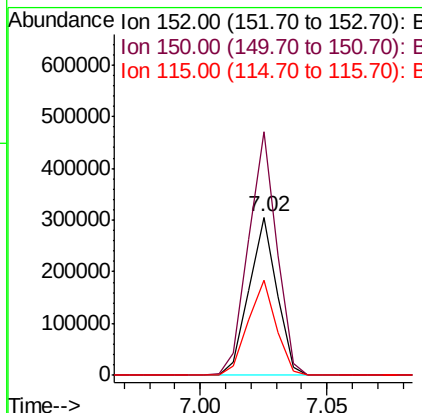
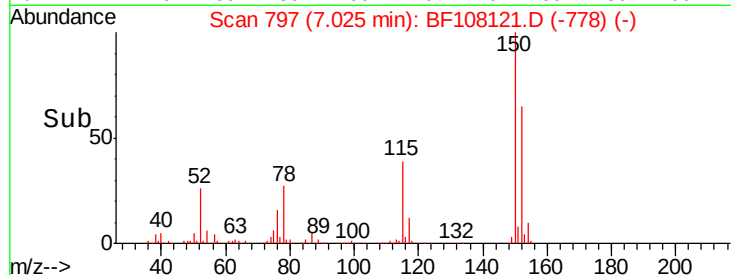
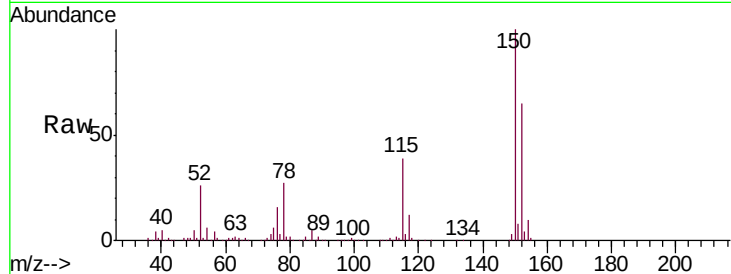
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080918-BRE

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	235721		
150	153.7	124.6	186.8	
115	59.7	50.1	75.1	

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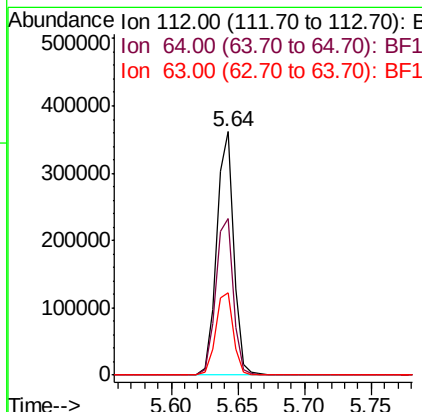
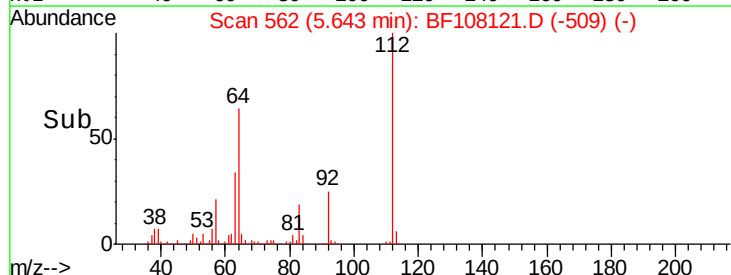
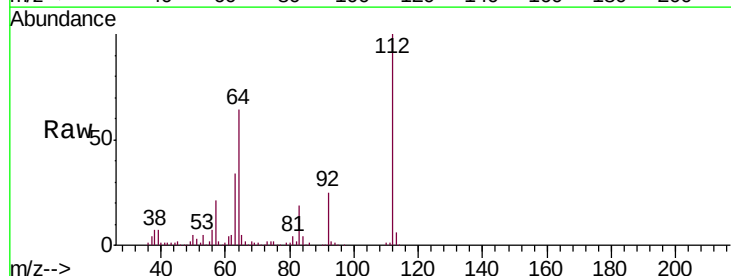
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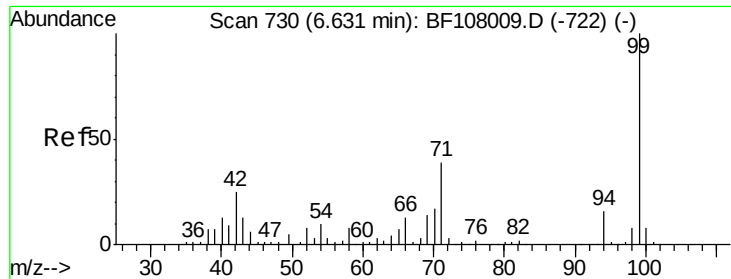


#5

2-Fluorophenol
Concen: 25.079 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	326524		
64	64.4	47.9	71.9	
63	33.6	23.7	35.5	





#7

Phenol-d6

Concen: 25.064 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-BRE

Tgt Ion: 99 Resp: 433650

Ion Ratio Lower Upper

99 100

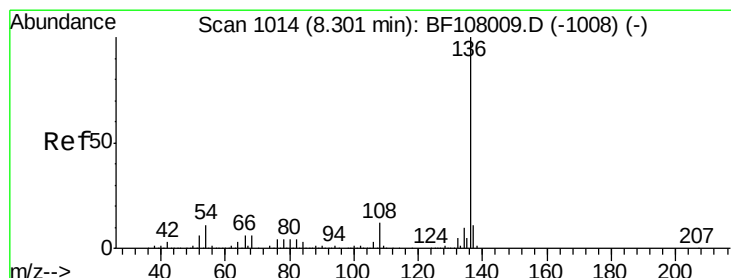
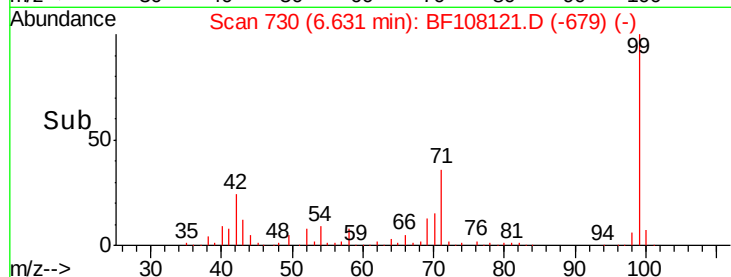
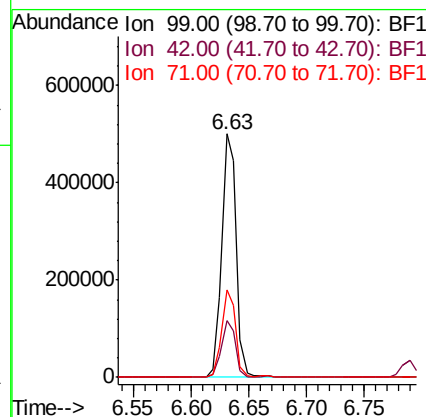
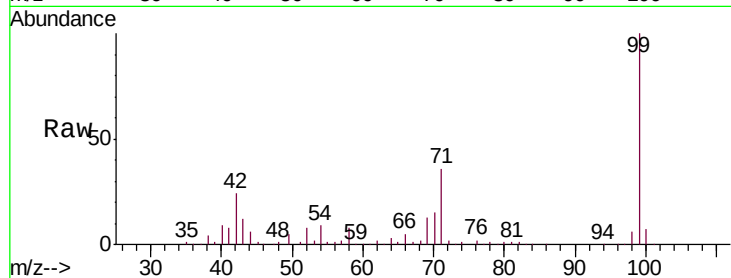
42 23.5 14.5 21.7#

71 35.9 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.31 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Tgt Ion: 136 Resp: 860392

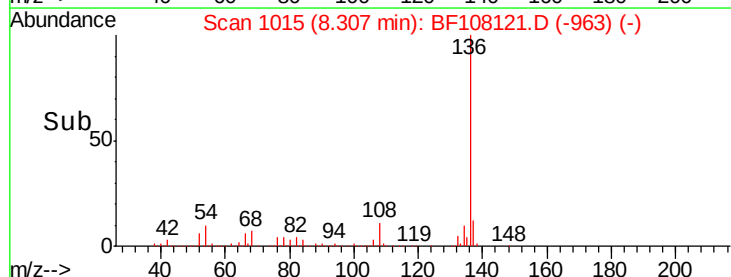
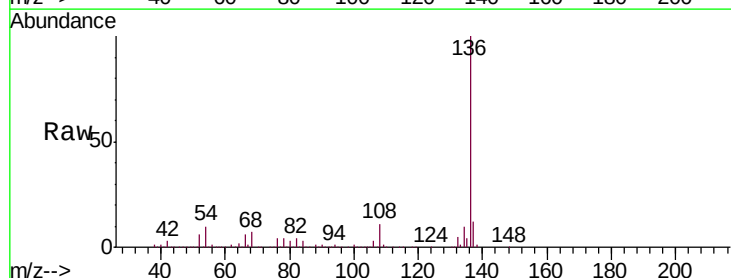
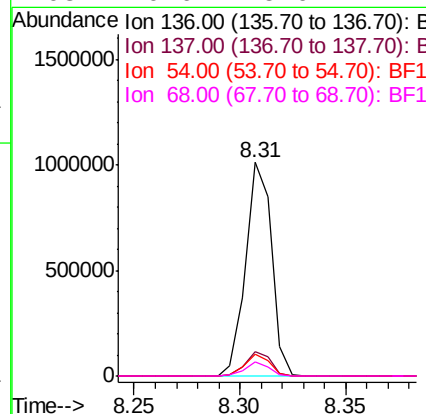
Ion Ratio Lower Upper

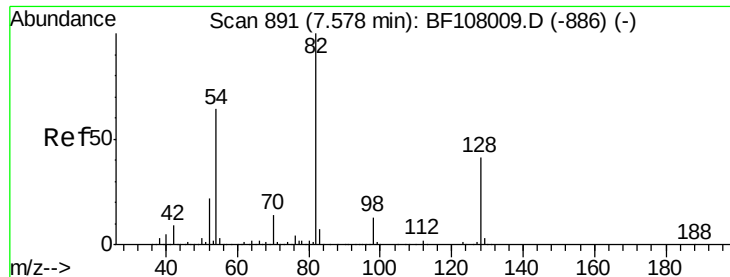
136 100

137 11.5 8.9 13.3

54 10.2 6.6 9.8#

68 6.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 16.749 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Instrument :

BNA_F

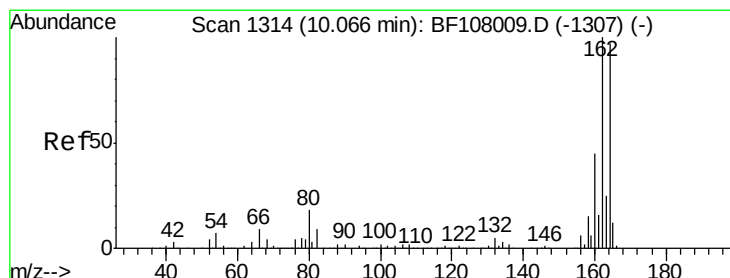
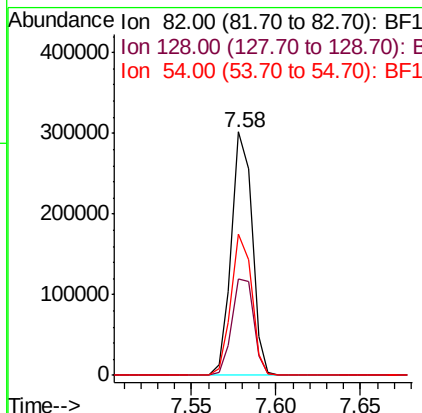
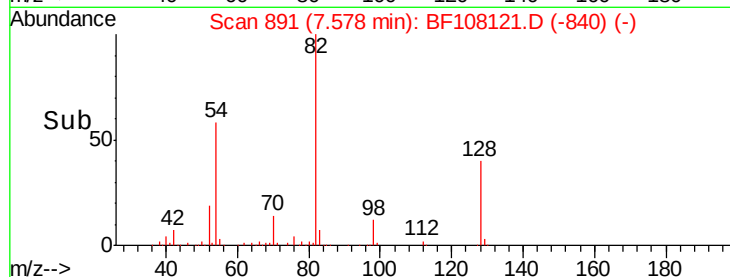
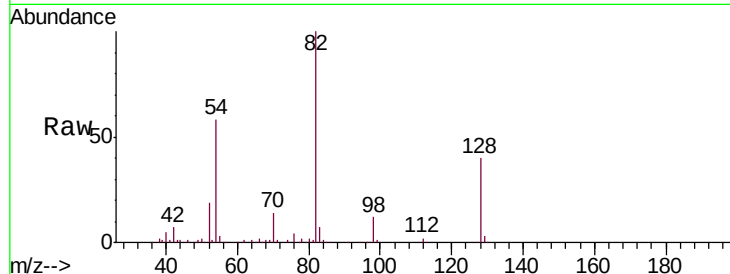
ClientSampleId :

SU-02-080918-BRE

Tgt Ion:	82	Resp:	258242
Ion Ratio	Lower	Upper	
82	100		
128	39.7	36.1	54.1
54	58.1	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

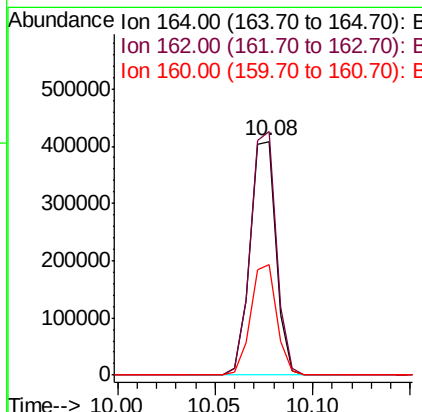
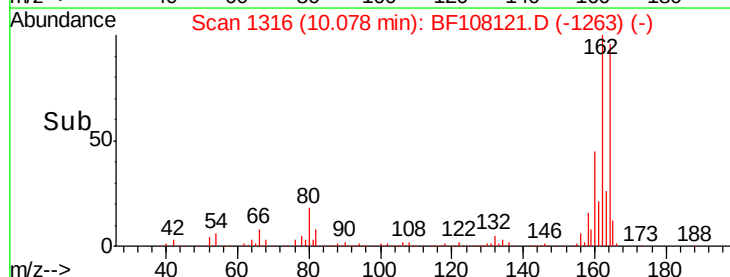
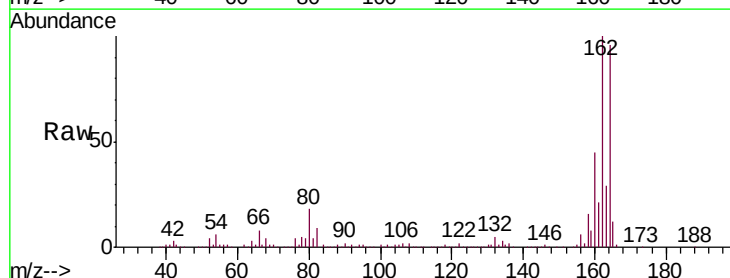
RT: 10.08 min Scan# 1316

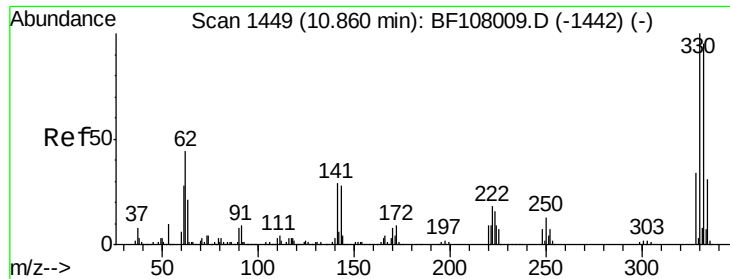
Delta R.T. 0.01 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Tgt Ion:	164	Resp:	377738
Ion Ratio	Lower	Upper	
164	100		
162	104.1	86.1	129.1
160	47.1	38.3	57.5





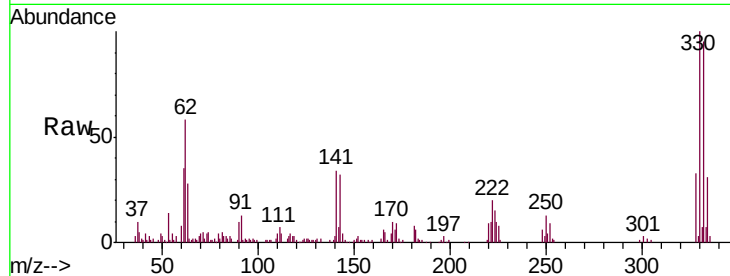
#41
 2,4,6-Tribromophenol
 Concen: 22.178 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-BRE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	83565		
332	96.4	77.0	115.6	
141	36.2	29.9	44.9	

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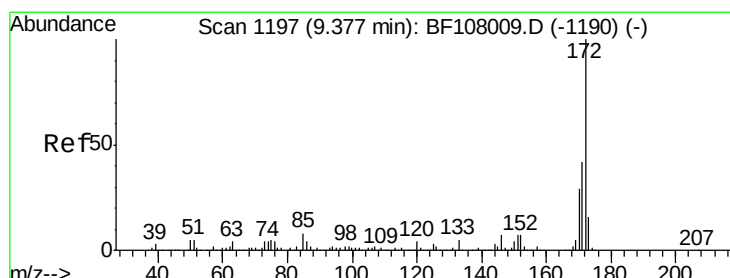
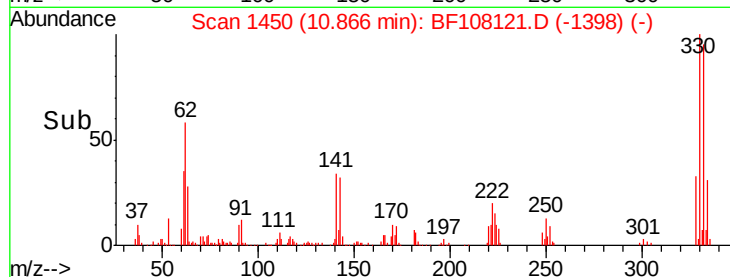
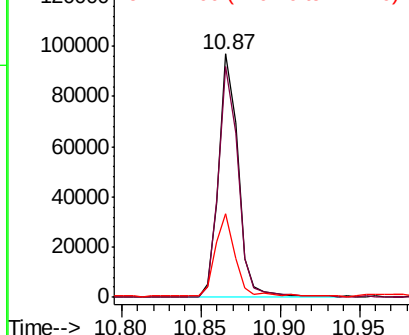


Abundance

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: 18.402 ng
 RT: 9.38 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

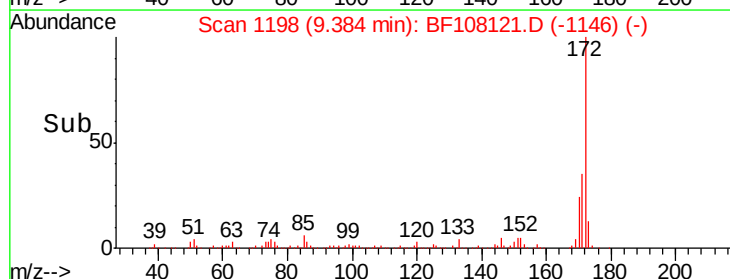
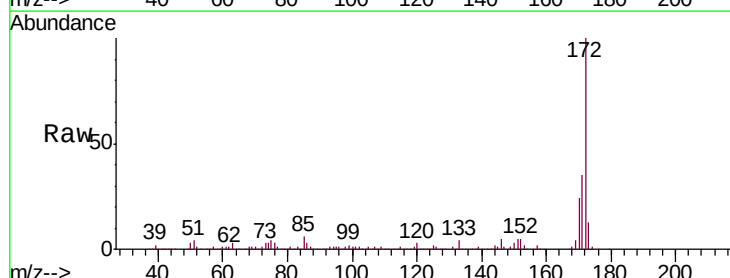
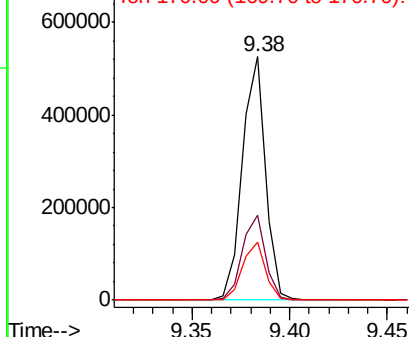
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	432962		
171	35.1	29.7	44.5	
170	23.6	19.6	29.4	

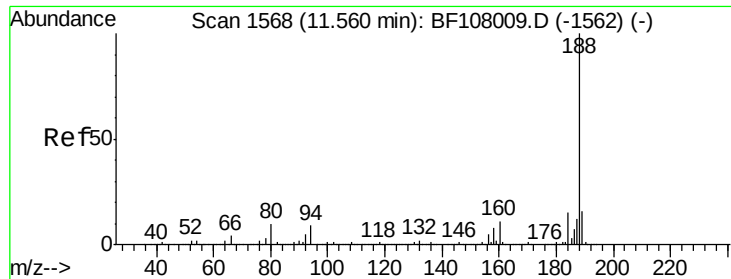
Abundance

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





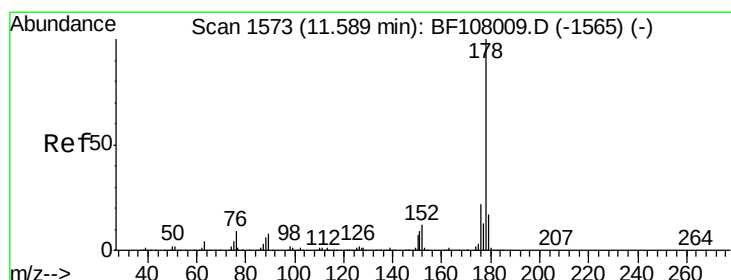
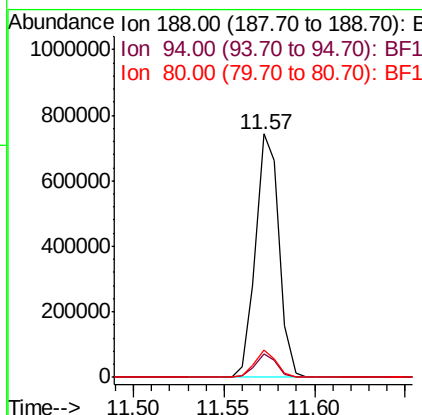
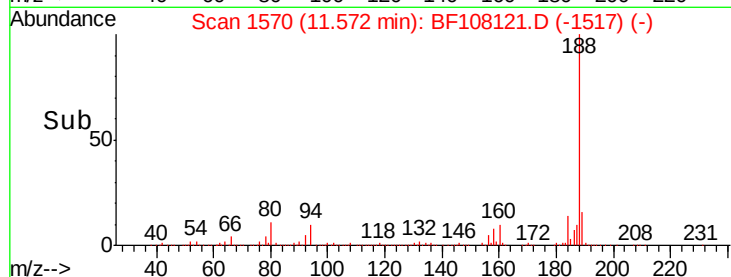
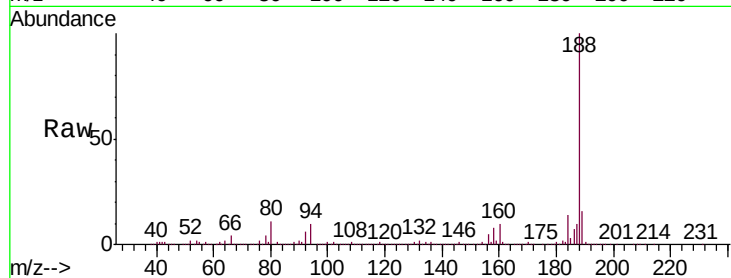
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080918-BRE

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	667442		
94	9.7	8.5	12.7	
80	11.3	9.2	13.8	

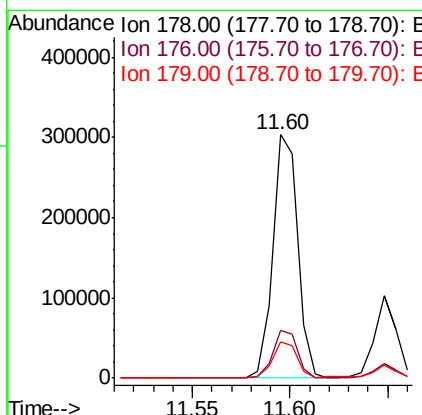
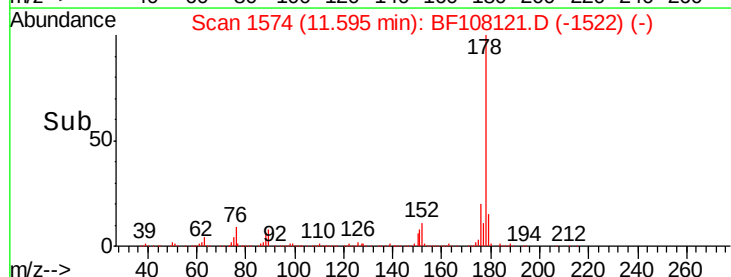
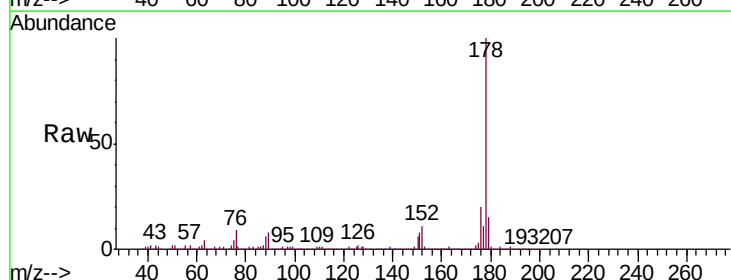
Manual Integrations
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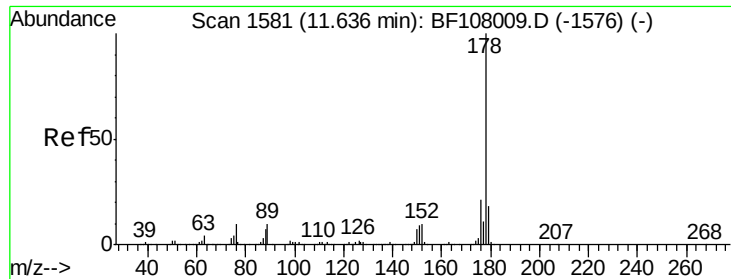
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#70
Phenanthrene
Concen: 8.486 ng
RT: 11.60 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	267143		
176	19.5	15.8	23.8	
179	15.1	13.0	19.6	





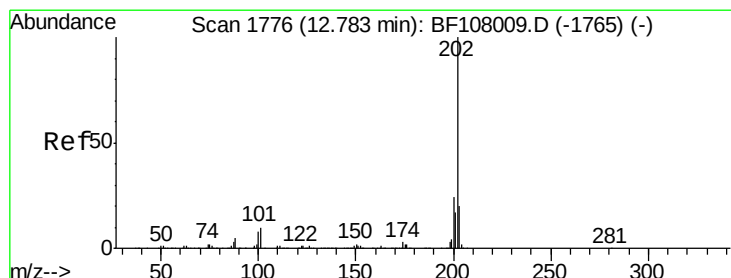
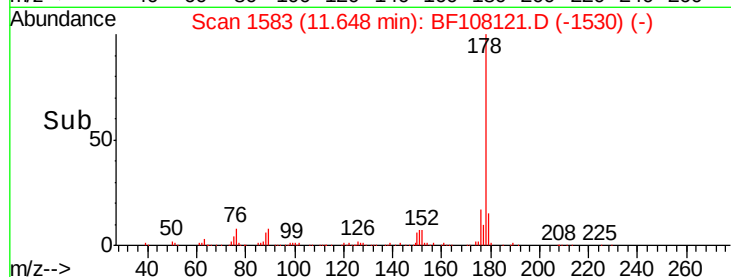
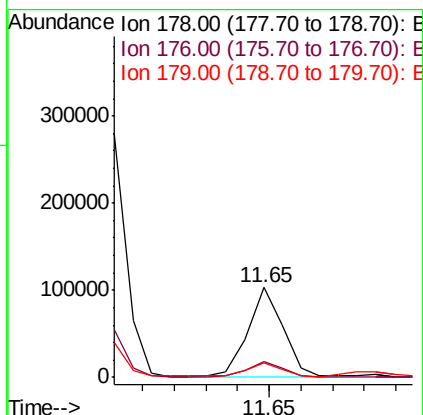
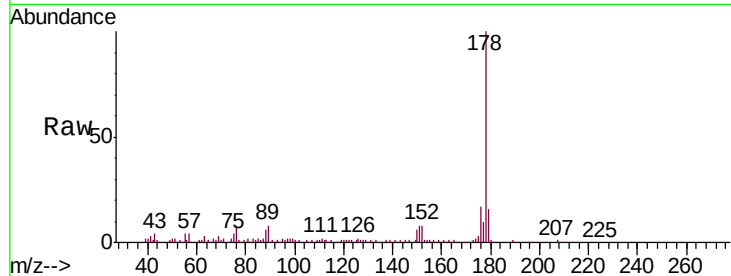
#71
 Anthracene
 Concen: 2.417 ng
 RT: 11.65 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-BRE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	16.0	12.6	19.0

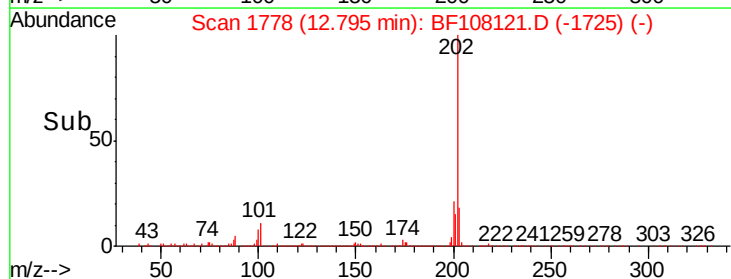
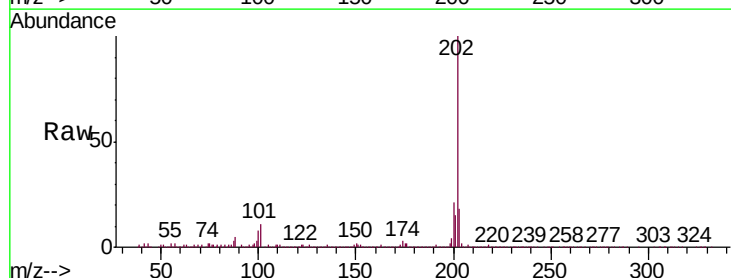
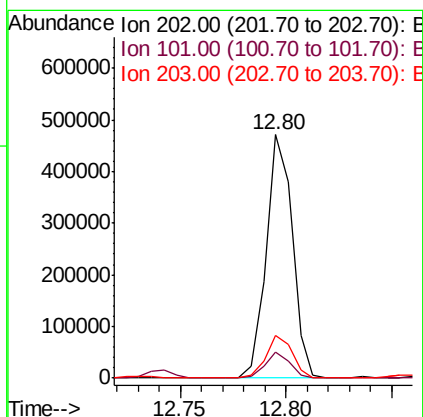
Manual Integrations
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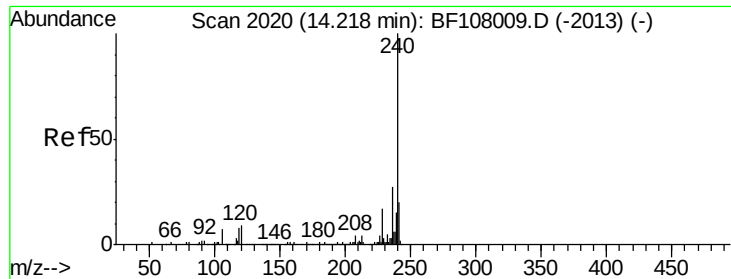
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#74
 Fluoranthene
 Concen: 11.782 ng
 RT: 12.80 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.24 min Scan# 2023

Delta R.T. 0.02 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Instrument :

BNA_F

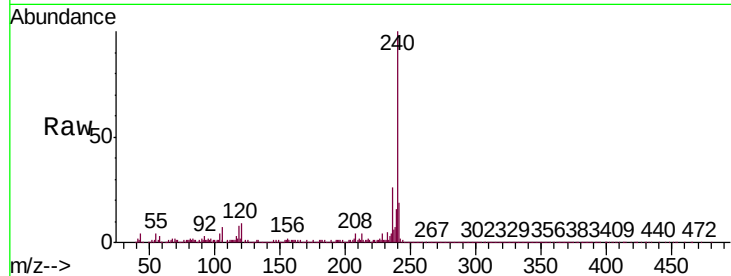
ClientSampleId :

SU-02-080918-BRE

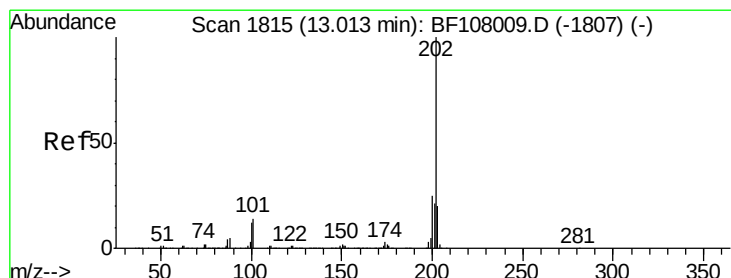
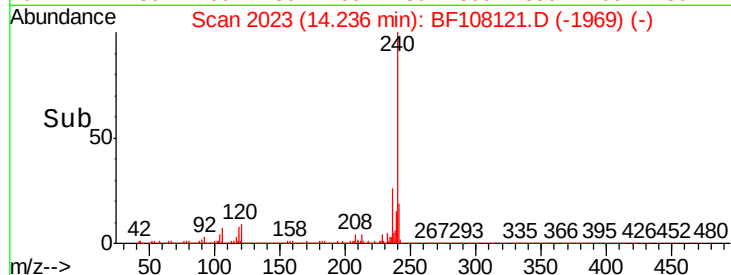
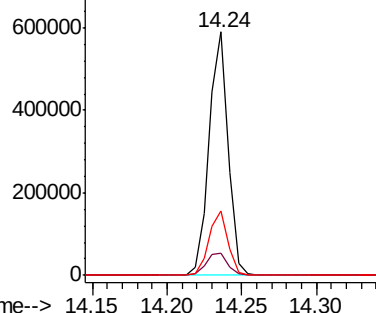
Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		524394		
120	9.3	9.5	14.3#		
236	26.5	20.7	31.1		

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
800000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.253 ng

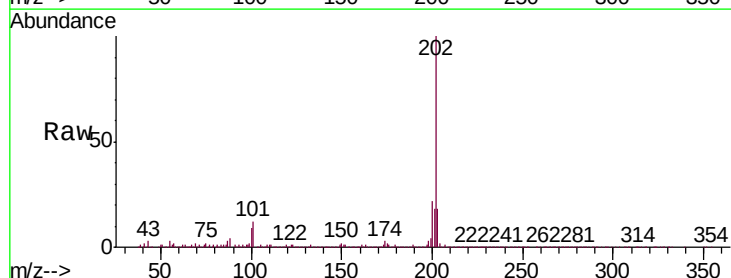
RT: 13.03 min Scan# 1818

Delta R.T. 0.02 min

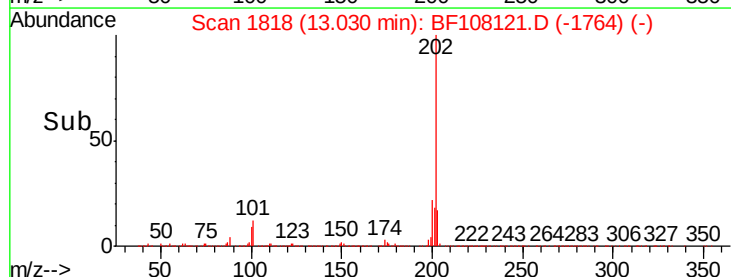
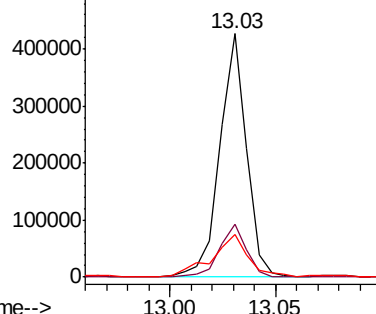
Lab File: BF108121.D

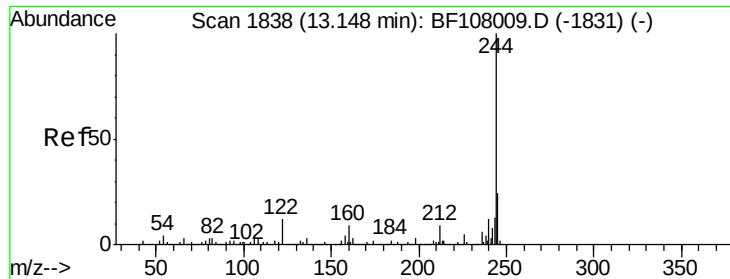
Acq: 13 Aug 2018 17:32

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		373601		
200	21.8	17.4	26.2		
203	17.7	14.3	21.5		



Abundance Ion 202.00 (201.70 to 202.70): E
500000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





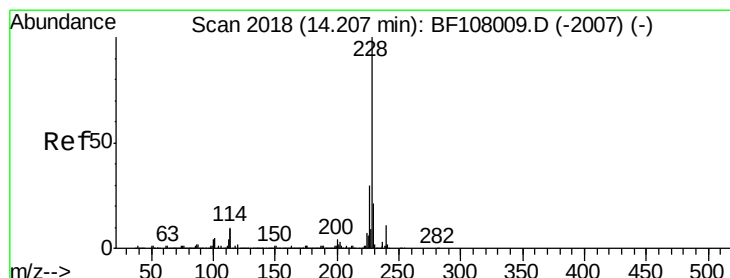
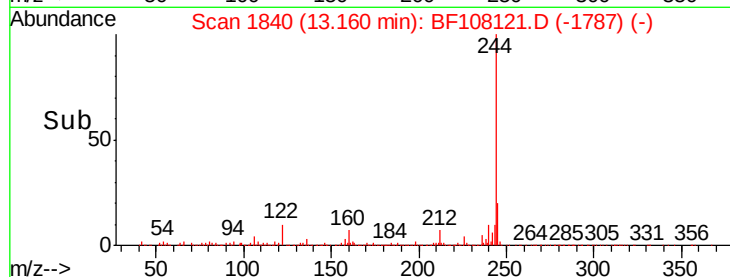
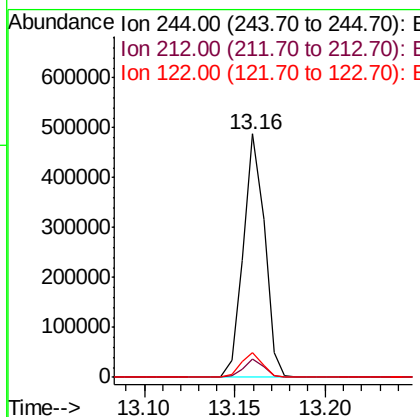
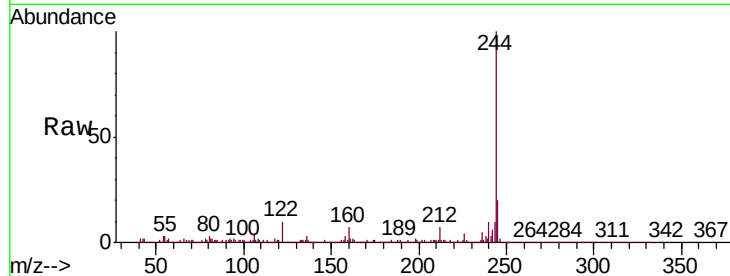
#78
 Terphenyl-d14
 Concen: 19.330 ng
 RT: 13.16 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-BRE

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.3	5.4	8.0
122	10.2	11.0	16.4

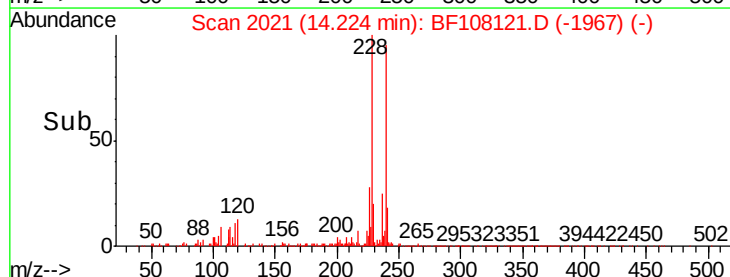
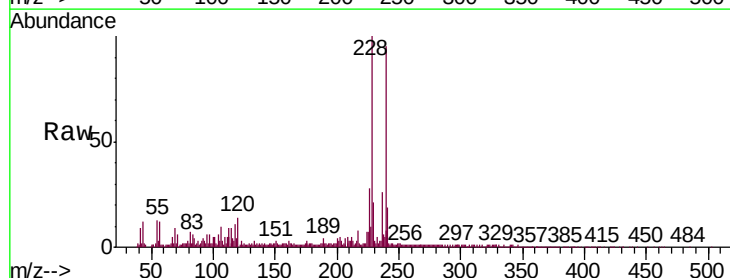
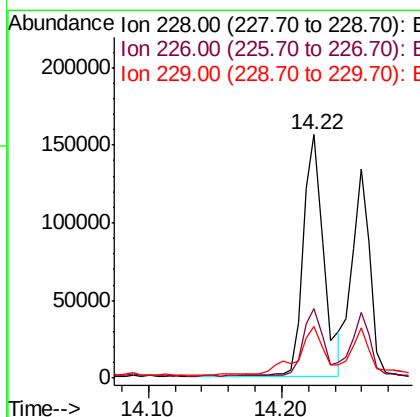
Manual Integrations
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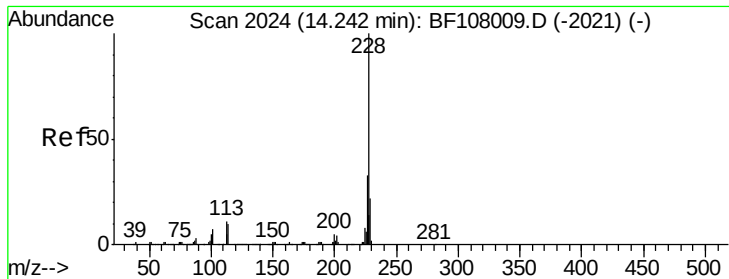
Sohil
 8/14/2018 2:36:42 PM



#80
 Benzo(a)anthracene
 Concen: 5.406 ng
 RT: 14.22 min Scan# 2021
 Delta R.T. 0.02 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.3	22.6	33.8
229	21.4	15.8	23.6





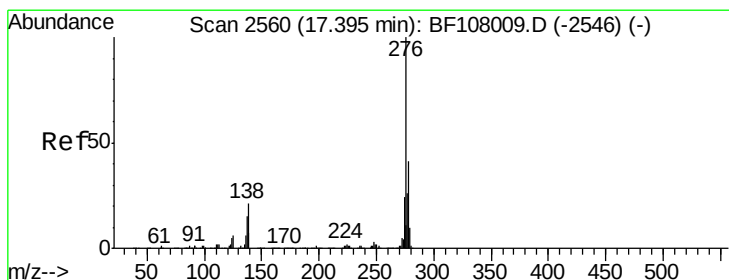
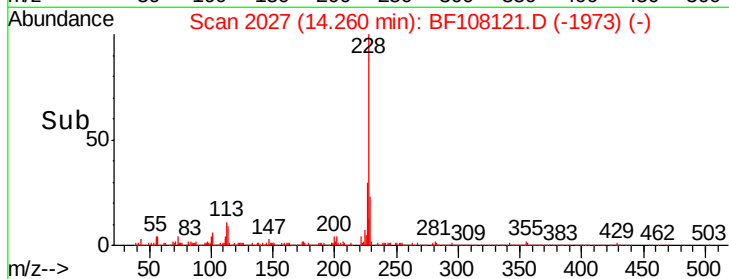
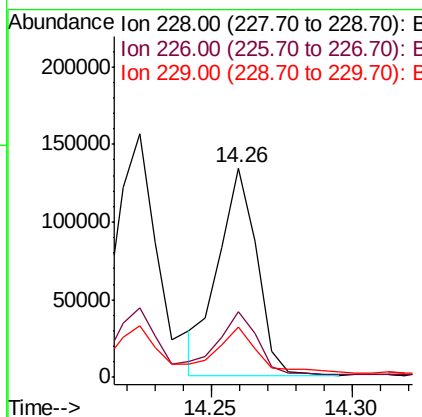
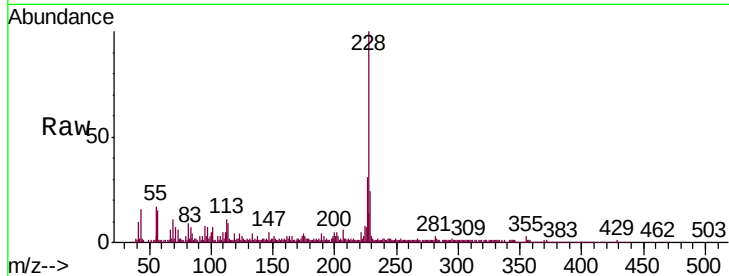
#82
Chrysene
Concen: 4.597 ng
RT: 14.26 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080918-BRE

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	126821		
226	31.4	25.0	37.6	
229	23.9	16.2	24.4	

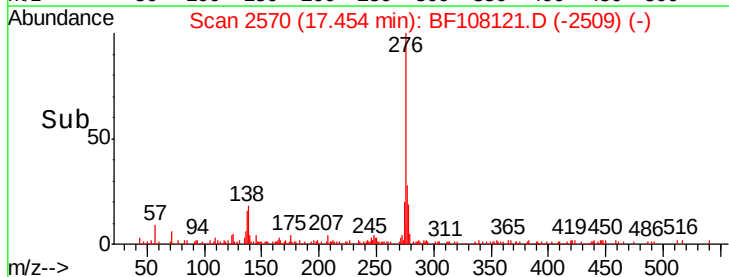
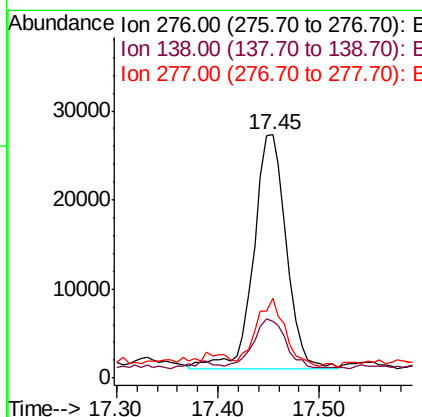
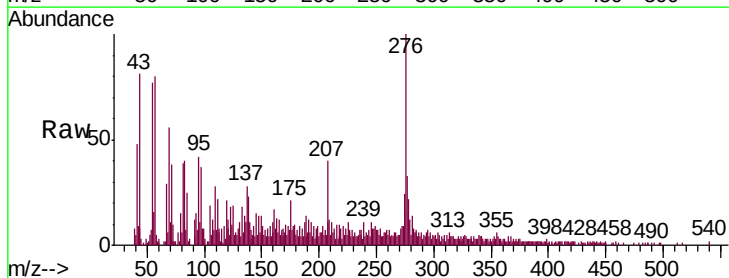
Manual Integrations
APPROVED

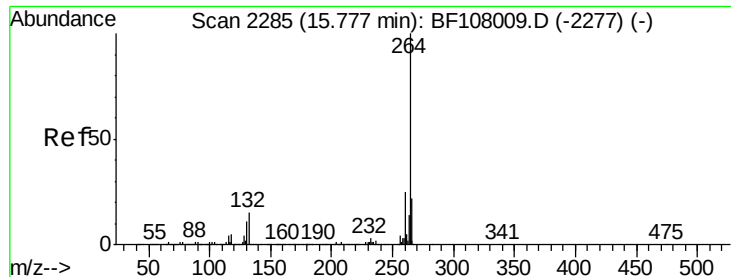
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.481 ng
RT: 17.45 min Scan# 2570
Delta R.T. 0.06 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	59305		
138	20.8	25.0	37.6#	
277	25.2	20.1	30.1	





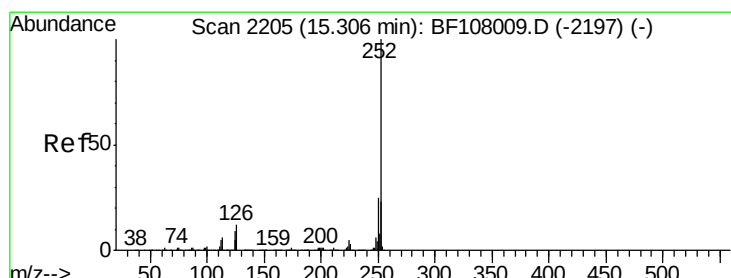
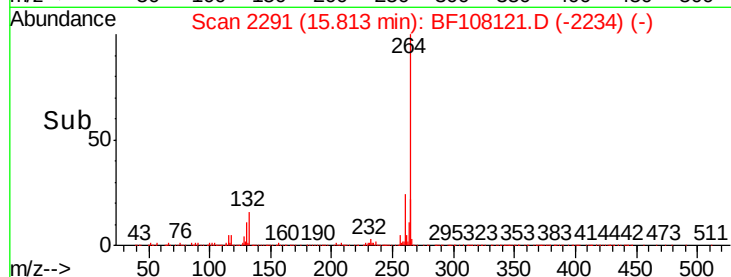
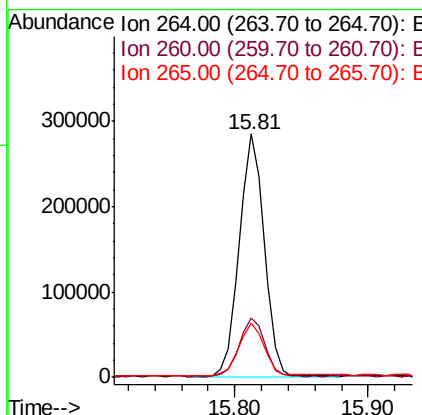
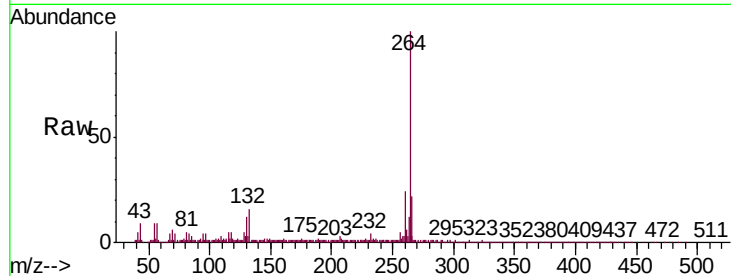
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2291
Delta R.T. 0.04 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080918-BRE

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	366494		
260	24.3	19.2	28.8	
265	22.2	17.5	26.3	

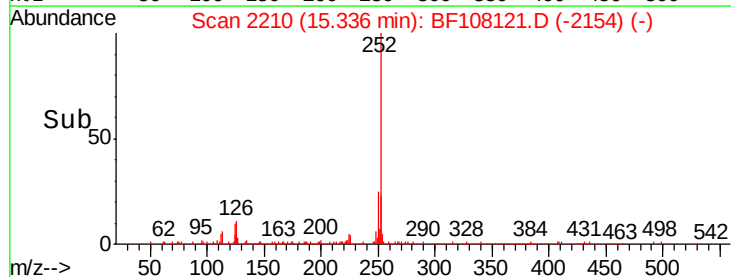
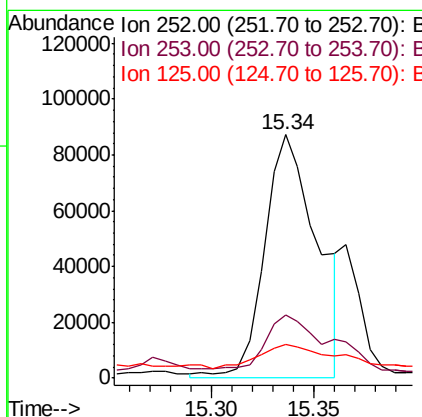
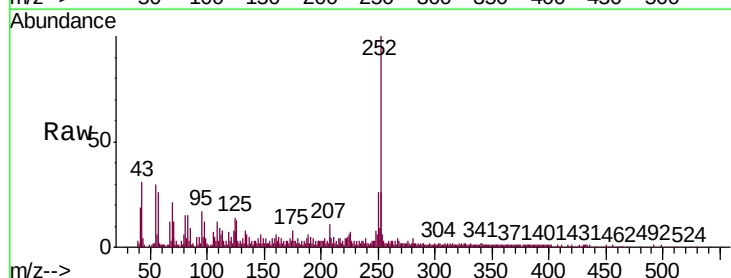
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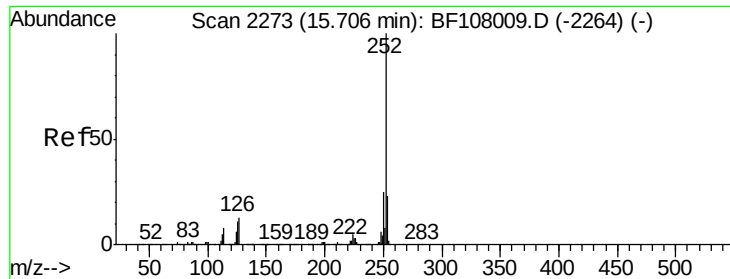
Sohil
8/14/2018 2:36:42 PM



#87
Benzo(b)fluoranthene
Concen: 7.112 ng m
RT: 15.34 min Scan# 2210
Delta R.T. 0.03 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	155744		
253	25.8	17.0	25.6#	
125	13.8	9.0	13.6#	





#89

Benzo(a)pyrene

Concen: 5.142 ng

RT: 15.74 min Scan# 2279

Delta R.T. 0.04 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Instrument :

BNA_F

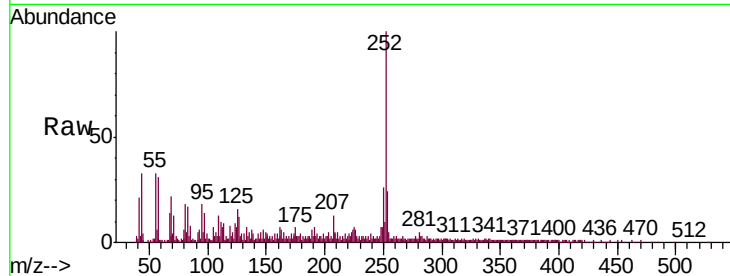
ClientSampleId :

SU-02-080918-BRE

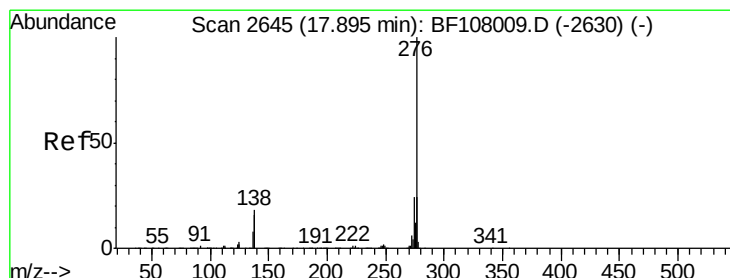
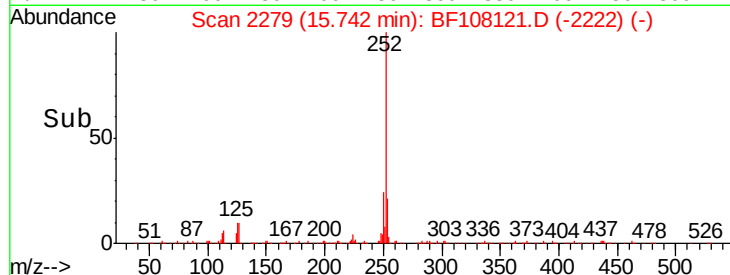
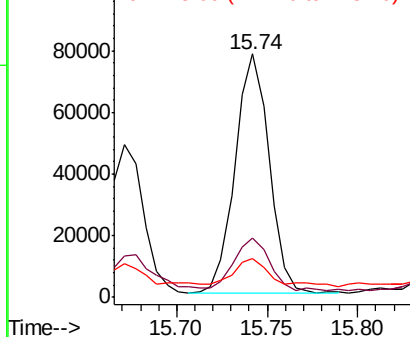
Tgt Ion:	252	Resp:	100835
Ion Ratio		Lower	Upper
252	100		
253	24.3	17.1	25.7
125	15.8	9.8	14.6

Manual Integrations
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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



#91

Benzo(g,h,i)perylene

Concen: 3.381 ng

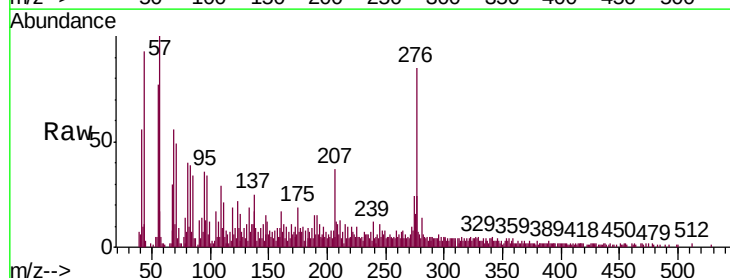
RT: 17.95 min Scan# 2655

Delta R.T. 0.06 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Tgt Ion:	276	Resp:	54026
Ion Ratio		Lower	Upper
276	100		
277	28.8	17.9	26.9
138	20.5	21.8	32.8



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

