

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108386.D
 Acq On : 22 Aug 2018 16:39
 Operator : JU/SJ
 Sample : J4497-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONT

Manual Integrations
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Sohil
 8/23/2018 3:43:11 PM

Quant Time: Aug 22 17:24:00 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	171738	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	663209	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	335595	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	656299	20.00	ng	0.00
75) Chrysene-d12	14.19	240	388219	20.00	ng	0.00
86) Perylene-d12	15.75	264	369920	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	931555	98.20	ng	0.00
7) Phenol-d6	6.62	99	1265392	100.38	ng	0.00
23) Nitrobenzene-d5	7.57	82	846366	71.21	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	377115	112.66	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1599032	76.50	ng	0.00
78) Terphenyl-d14	13.13	244	1529739	100.19	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.75	163	116979	5.004	ng	99
70) Phenanthrene	11.57	178	104440	3.374	ng	98
74) Fluoranthene	12.76	202	213116	6.308	ng	93
77) Pyrene	12.99	202	191068	7.774	ng	98
80) Benzo(a)anthracene	14.18	228	83144	3.732	ng	97
82) Chrysene	14.22	228	72901	3.569	ng	99
85) Indeno(1,2,3-cd)pyrene	17.36	276	56342	3.183	ng	# 90
87) Benzo(b)fluoranthene	15.28	252	111127m	5.027	ng	
89) Benzo(a)pyrene	15.68	252	73404	3.708	ng	98
91) Benzo(g,h,i)perylene	17.85	276	58410	3.622	ng	# 91

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

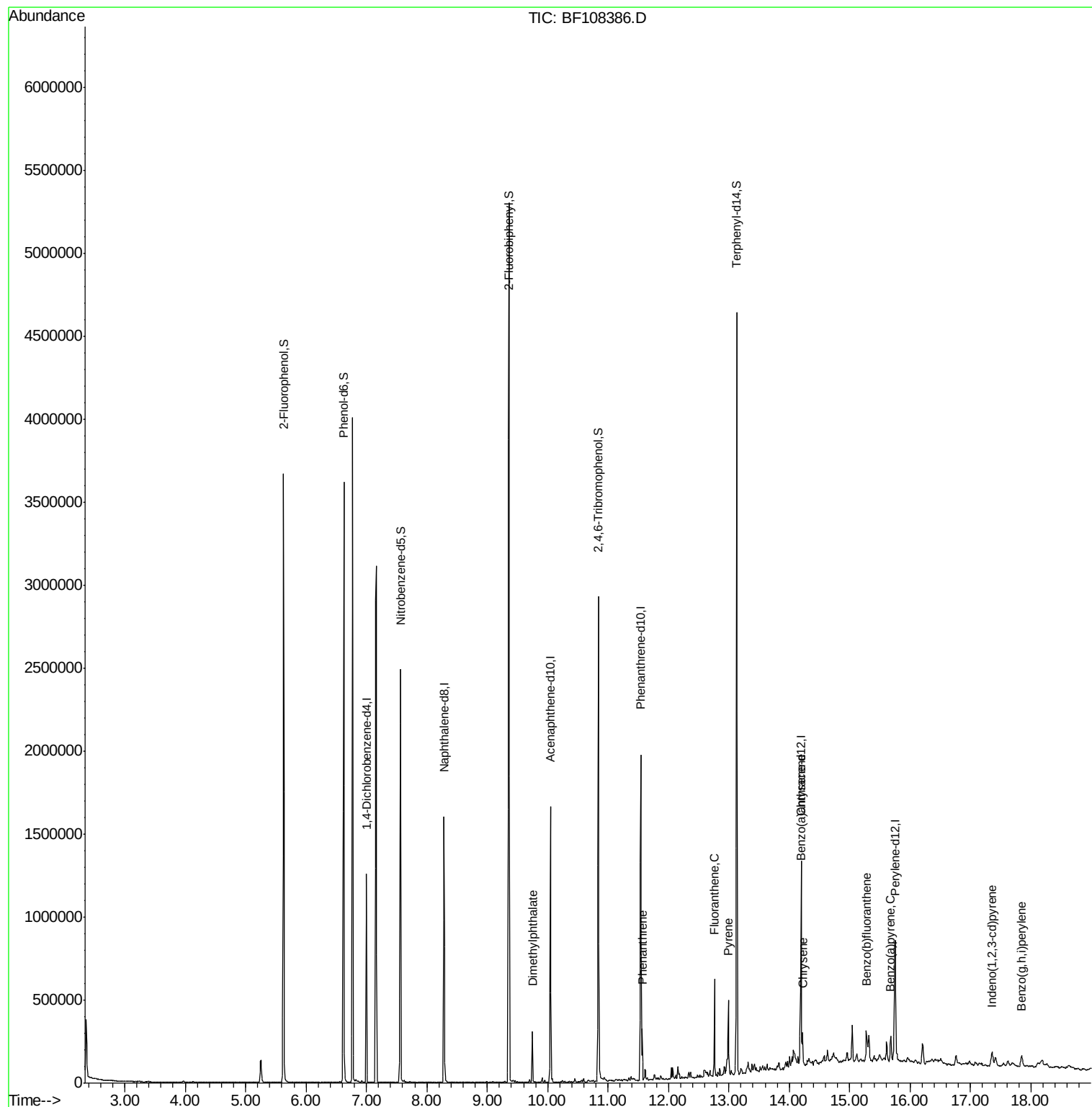
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108386.D
Acq On : 22 Aug 2018 16:39
Operator : JU/SJ
Sample : J4497-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

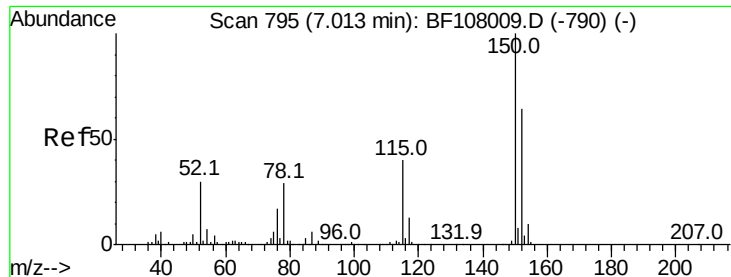
Instrument :
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CARLSTADT-FRONT

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#1

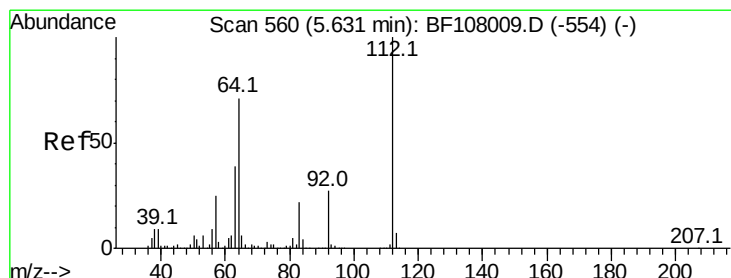
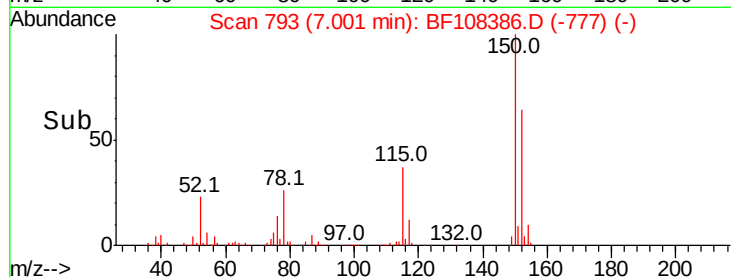
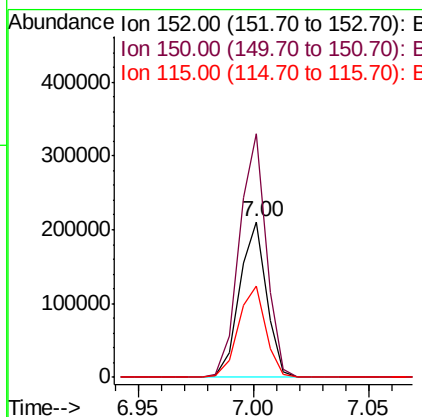
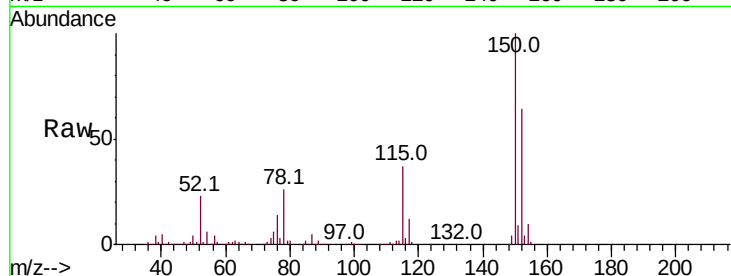
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONT

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	58.6	50.1	75.1

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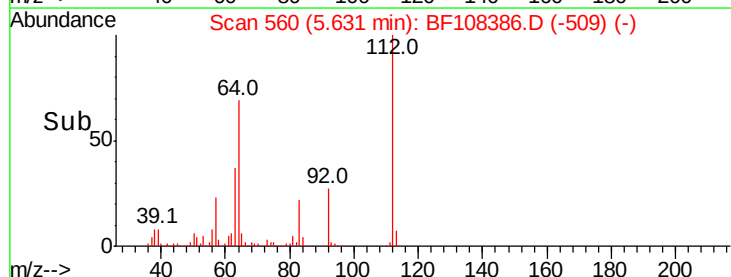
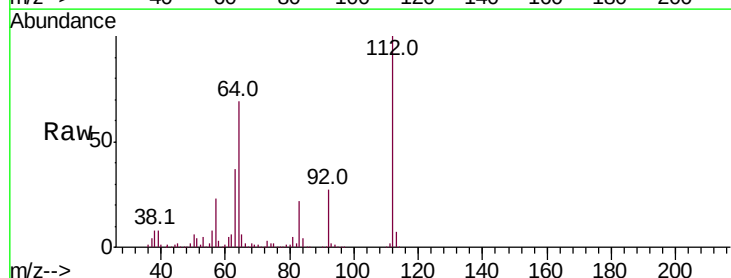
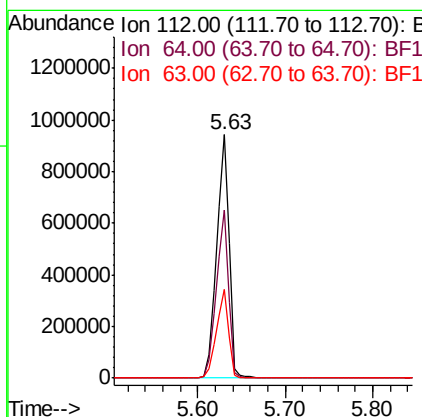
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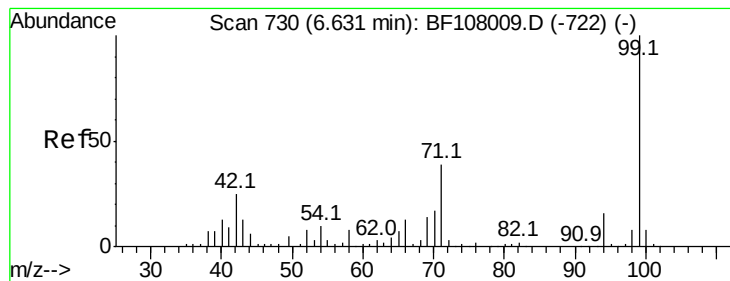


#5

2-Fluorophenol
Concen: 98.204 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	47.9	71.9
63	36.6	23.7	35.5#





#7

Phenol-d6

Concen: 100.384 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-FRONT

Tot Ion: 99 Resp: 1265392

Ion Ratio Lower Upper

99 100

42 22.6 14.5 21.7#

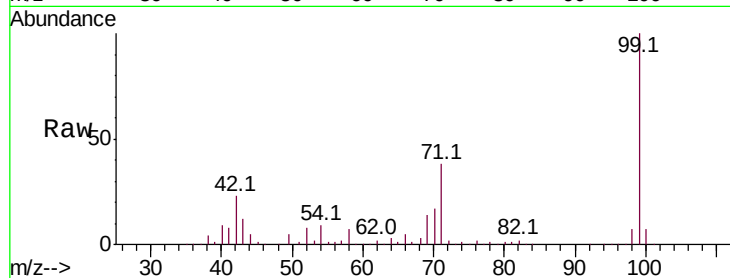
71 37.6 25.4 38.0

Manual Integrations

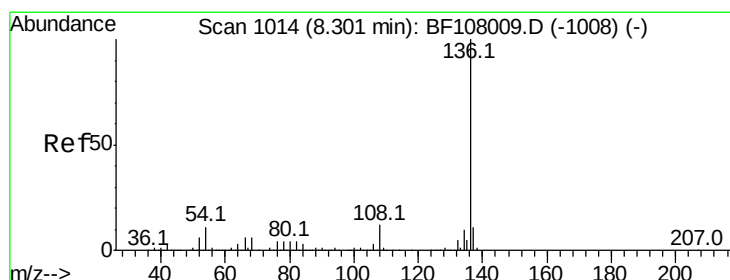
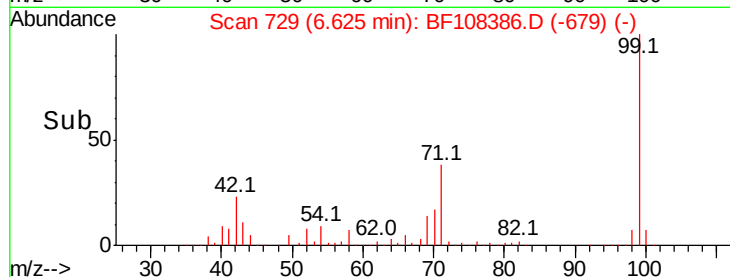
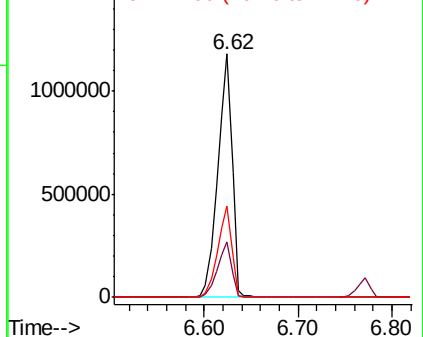
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Tgt Ion: 136 Resp: 663209

Ion Ratio Lower Upper

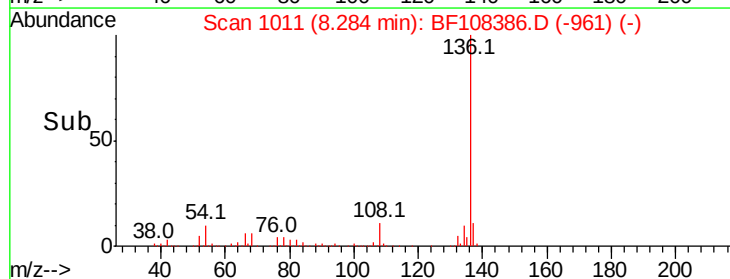
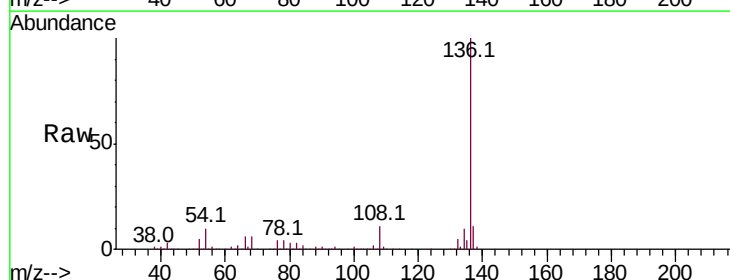
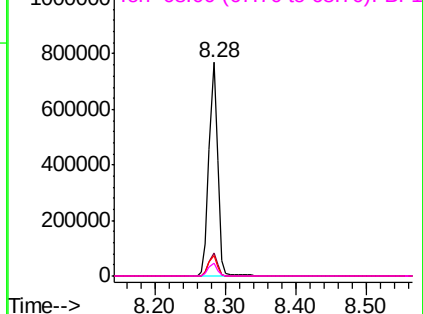
136 100

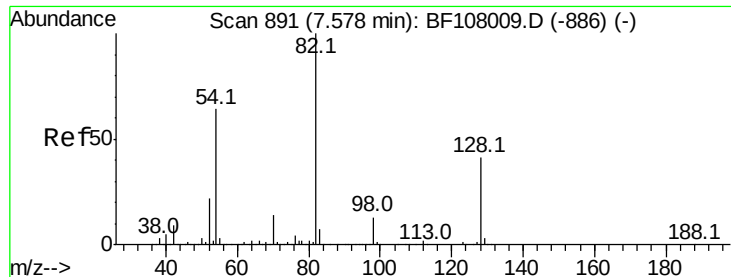
137 11.0 8.9 13.3

54 9.7 6.6 9.8

68 5.7 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





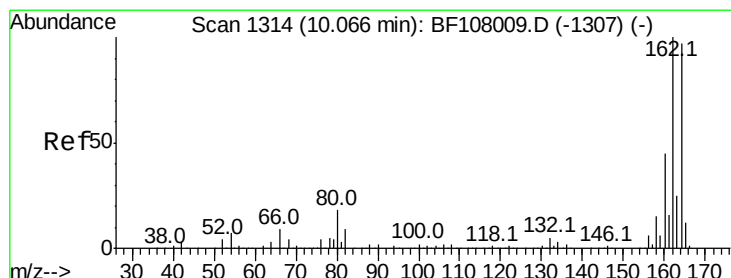
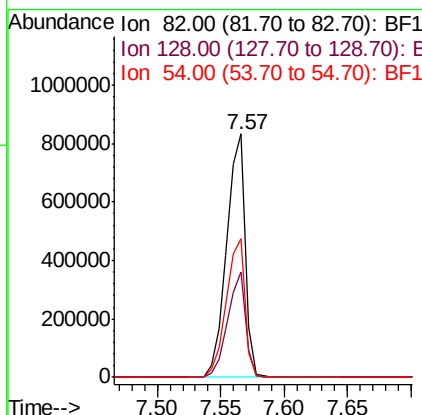
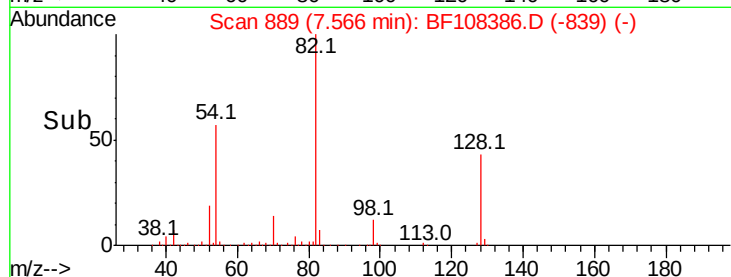
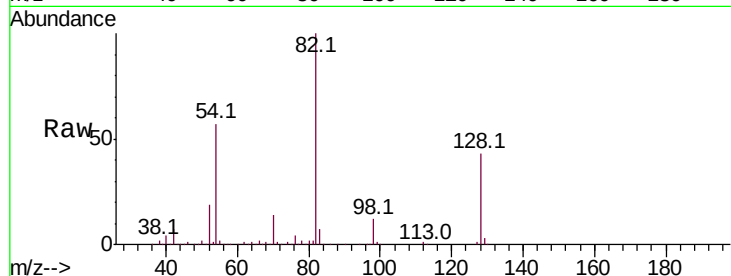
#23
 Nitrobenzene-d5
 Concen: 71.212 ng
 RT: 7.57 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF108386.D
 Acq: 22 Aug 2018 16:39

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONT

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.2	36.1	54.1	
54	56.8	41.4	62.2	

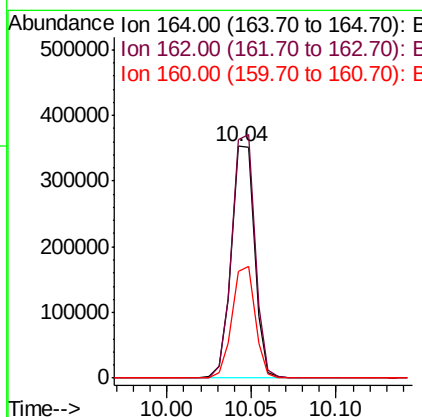
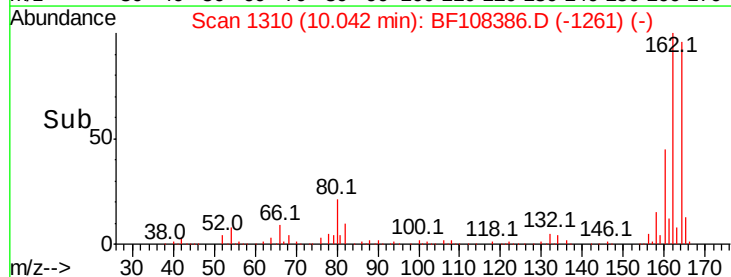
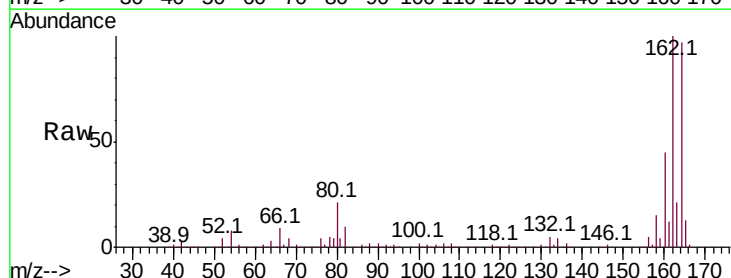
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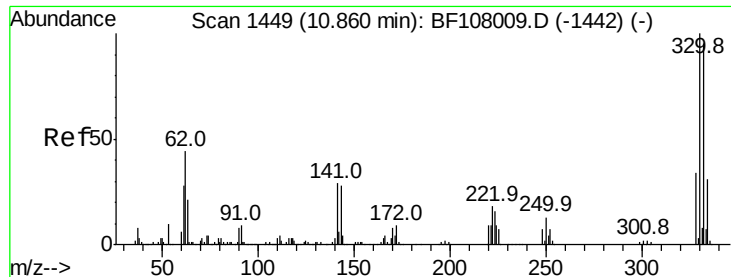
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108386.D
 Acq: 22 Aug 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	86.1	129.1	
160	45.9	38.3	57.5	





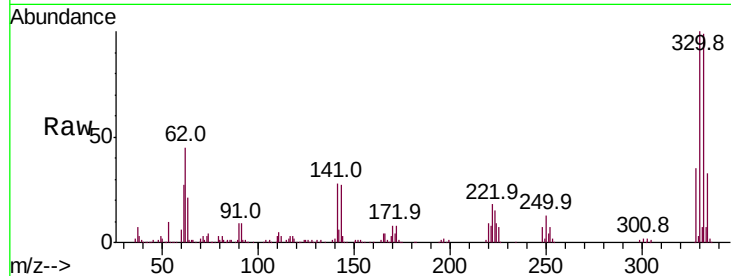
#41
 2,4,6-Tribromophenol
 Concen: 112.657 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108386.D
 Acq: 22 Aug 2018 16:39

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONT

Tot Ion	Ratio	Resp	Lower	Upper
330	100	377115		
332	96.4	77.0	115.6	
141	32.7	29.9	44.9	

Manual Integrations
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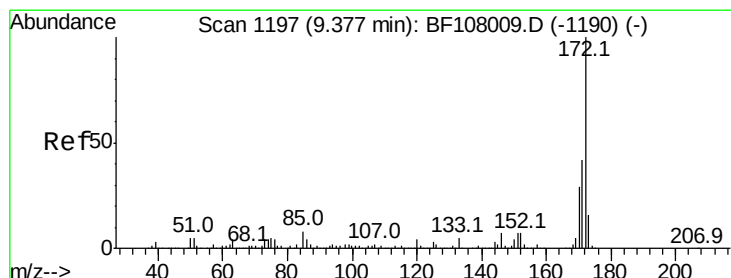
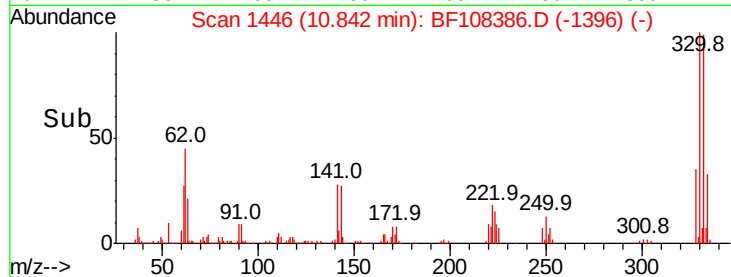
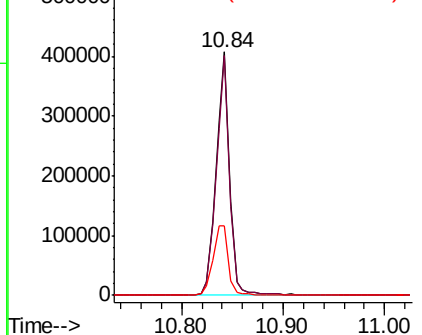


Abundance

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: 76.497 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108386.D
 Acq: 22 Aug 2018 16:39

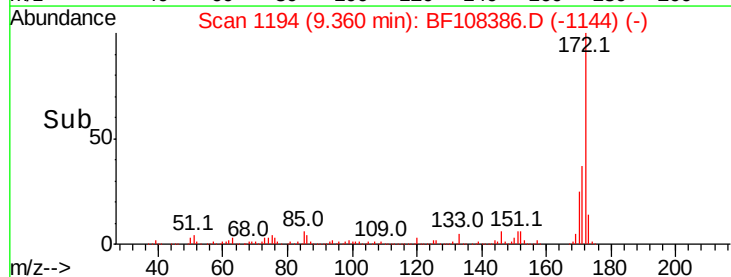
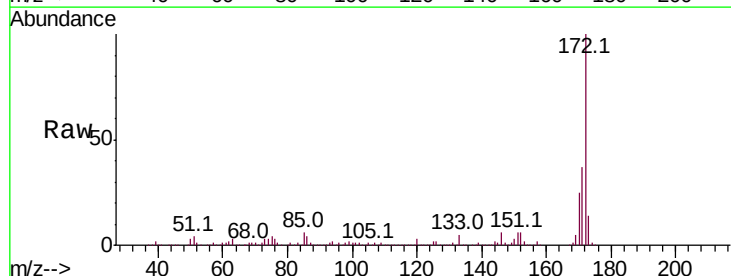
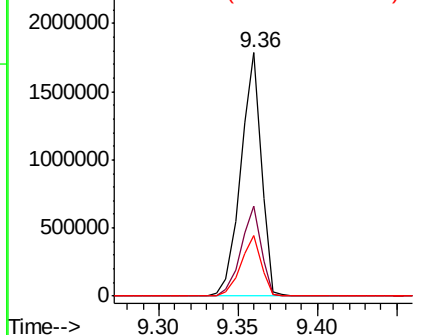
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1599032		
171	36.8	29.7	44.5	
170	24.9	19.6	29.4	

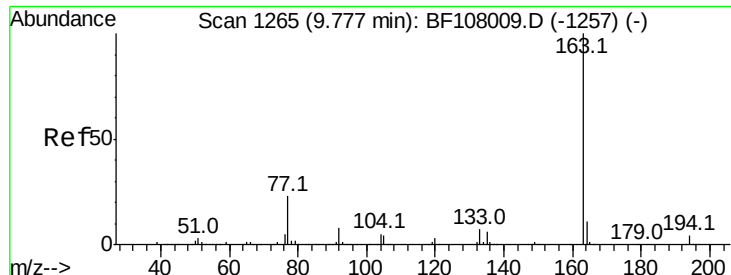
Abundance

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





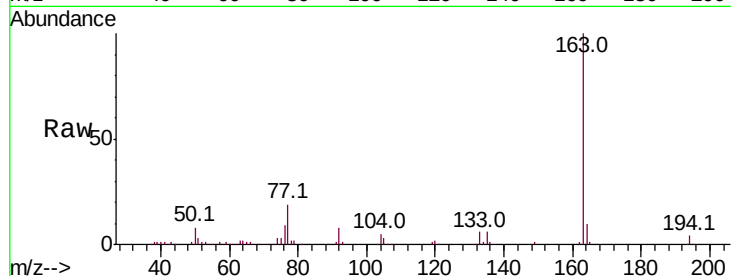
#49
Dimethylphthalate
Concen: 5.004 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONT

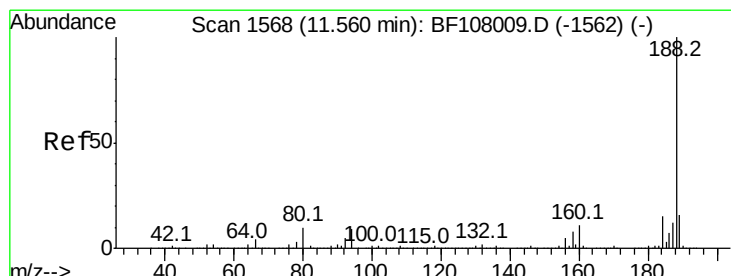
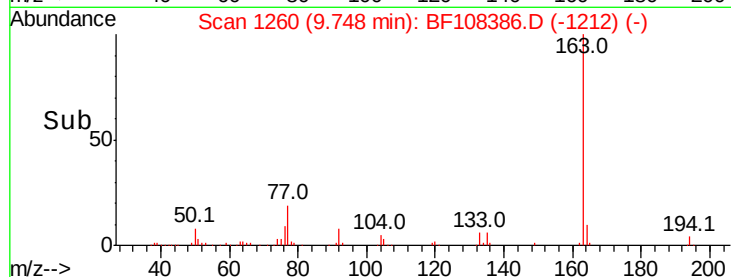
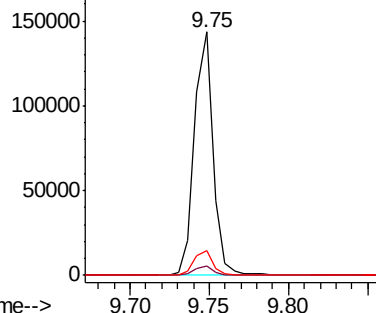
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.0	2.7	4.1	
164	10.3	8.2	12.2	

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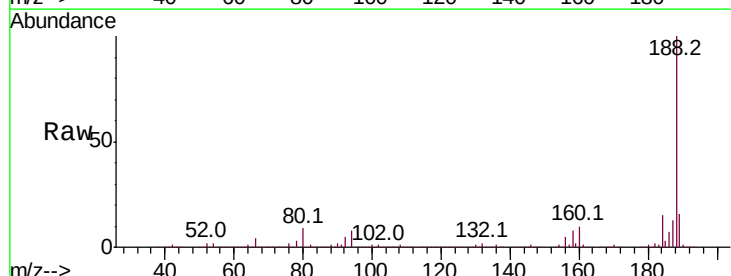


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

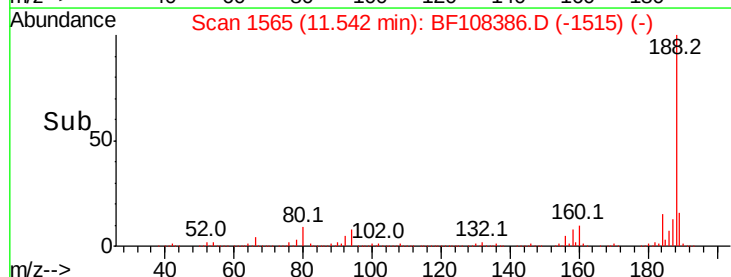
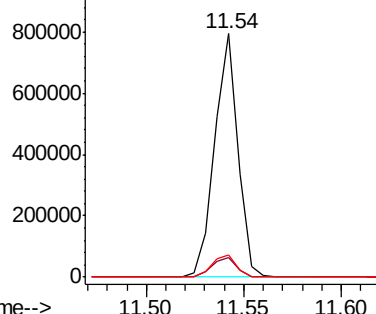


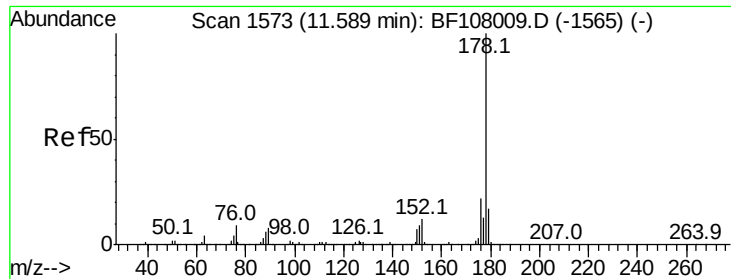
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.3	8.5	12.7#	
80	9.2	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





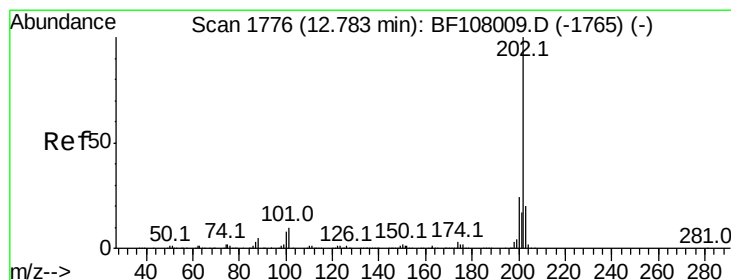
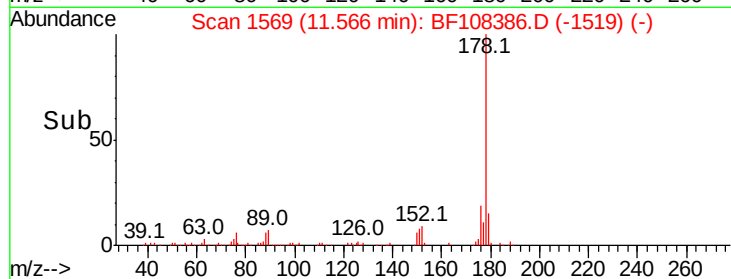
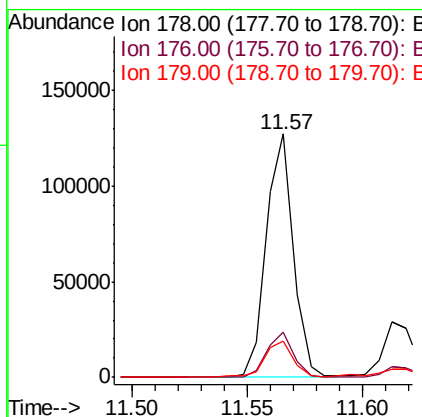
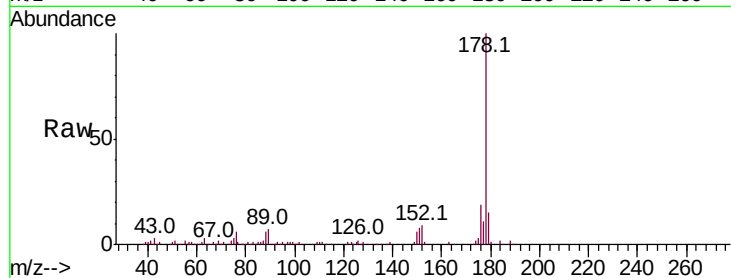
#70
Phenanthrene
Concen: 3.374 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONT

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.1	13.0	19.6

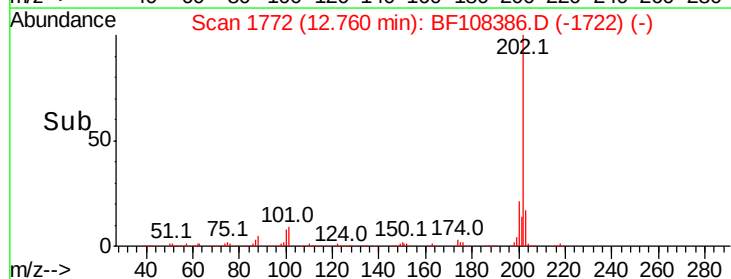
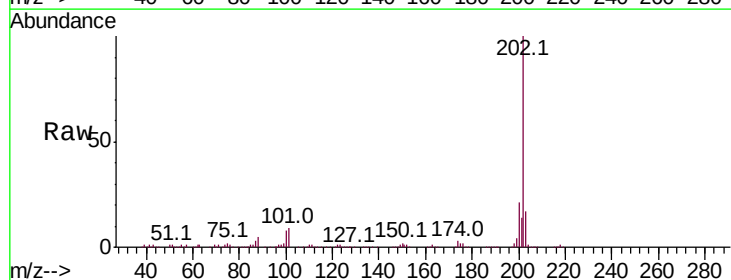
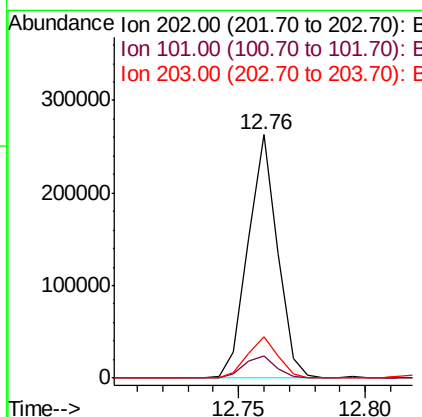
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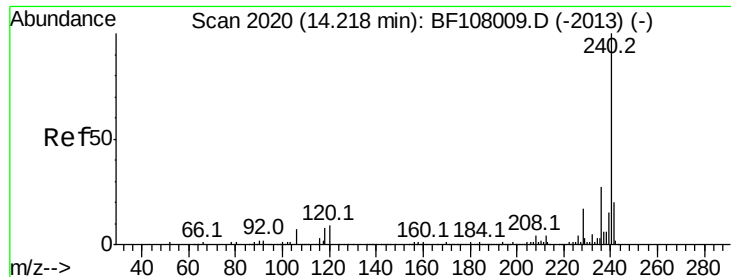
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#74
Fluoranthene
Concen: 6.308 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	34.1
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Instrument :

BNA_F

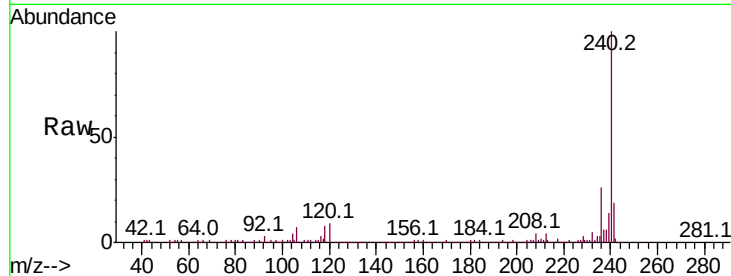
ClientSampleId :

CARLSTADT-FRONT

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	9.1	9.5	14.3		
236	26.4	20.7	31.1		

Manual Integrations
APPROVED

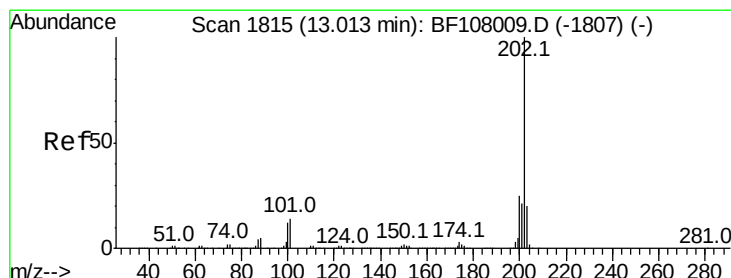
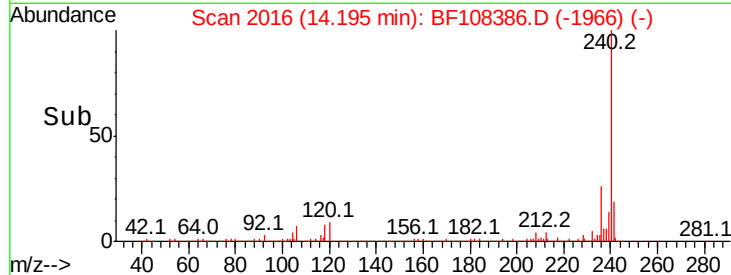
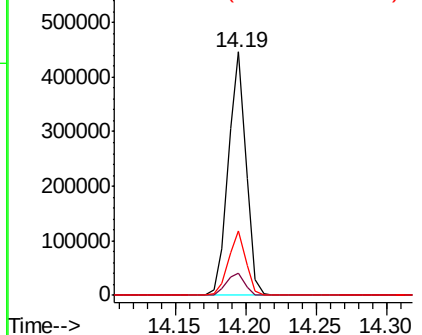
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.774 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108386.D

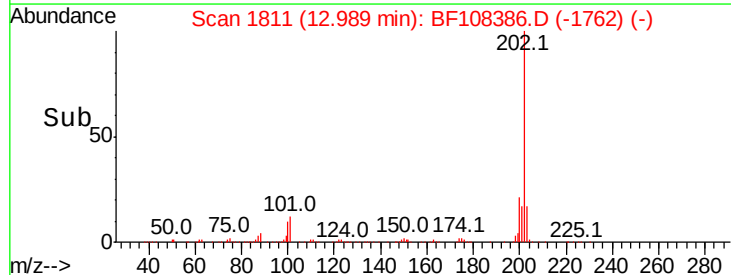
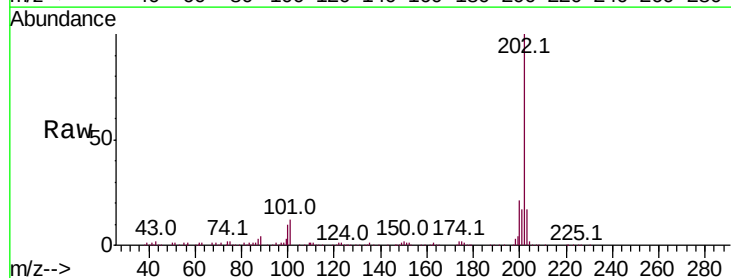
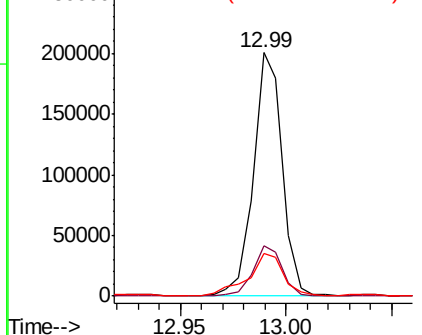
Acq: 22 Aug 2018 16:39

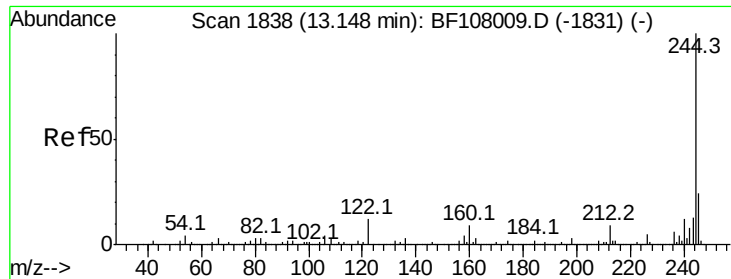
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.7	17.4	26.2		
203	17.4	14.3	21.5		

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





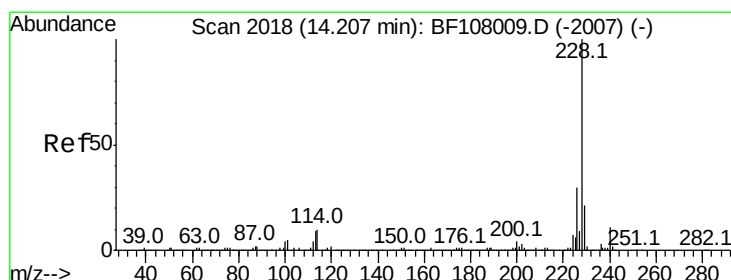
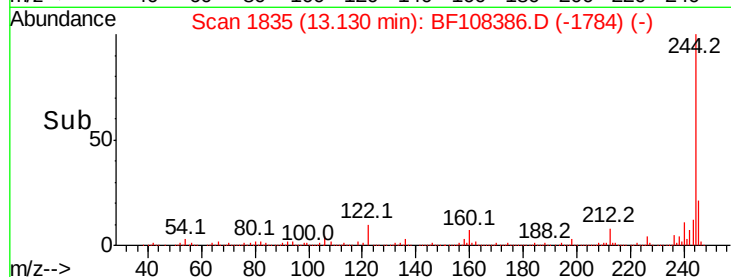
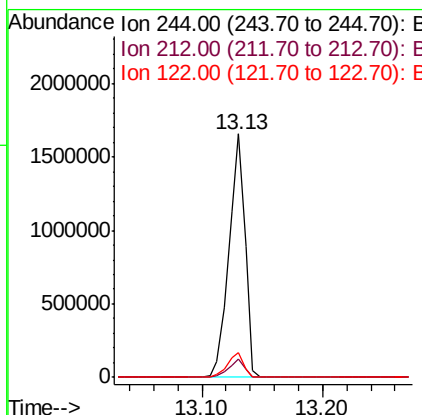
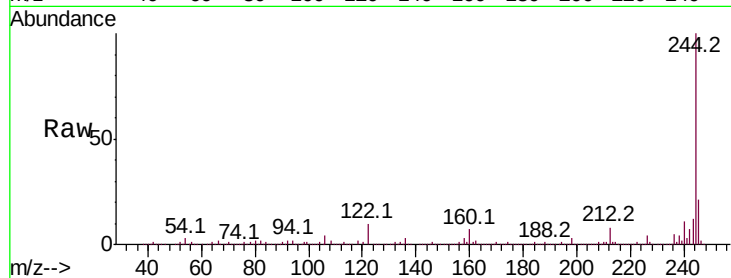
#78
 Terphenyl-d14
 Concen: 100.187 ng
 RT: 13.13 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BF108386.D
 Acq: 22 Aug 2018 16:39

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONT

Tot Ion:244 Resp: 1529739
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.0
 122 10.3 11.0 16.4#

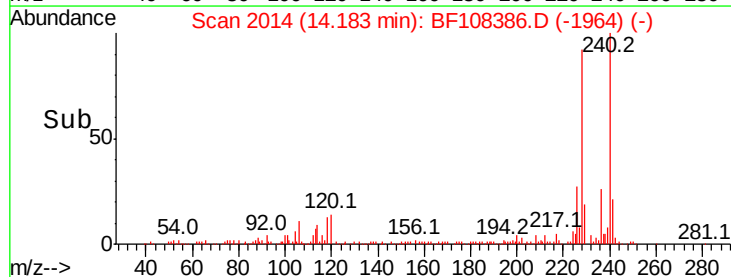
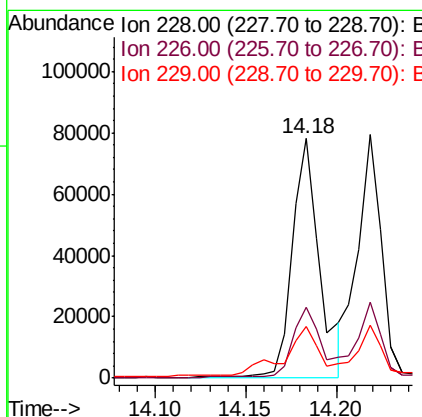
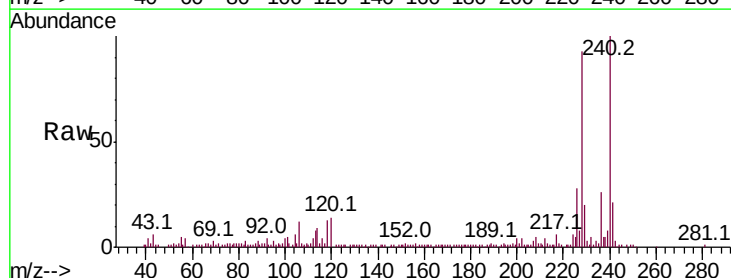
Manual Integrations
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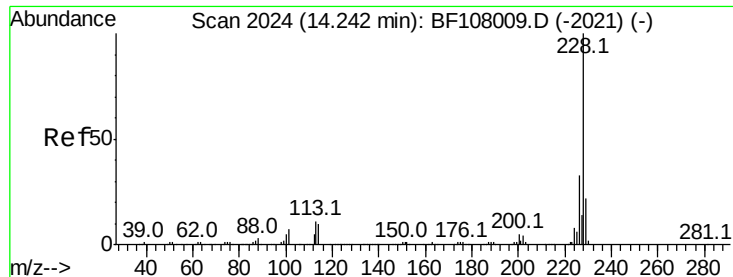
Sohil
 8/23/2018 3:43:11 PM



#80
 Benzo(a)anthracene
 Concen: 3.732 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF108386.D
 Acq: 22 Aug 2018 16:39

Tgt Ion:228 Resp: 83144
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.6 33.8
 229 21.4 15.8 23.6





#82

Chrysene

Concen: 3.569 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Instrument :

BNA_F

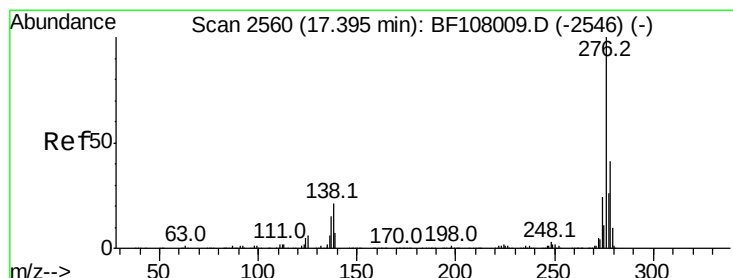
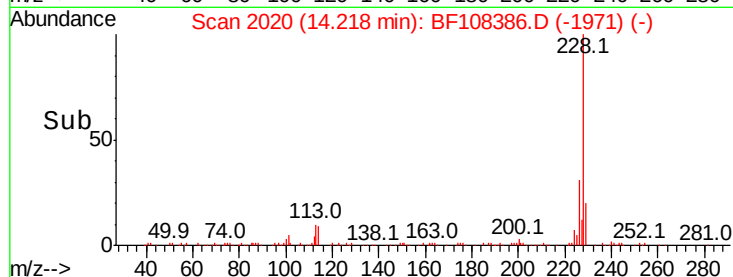
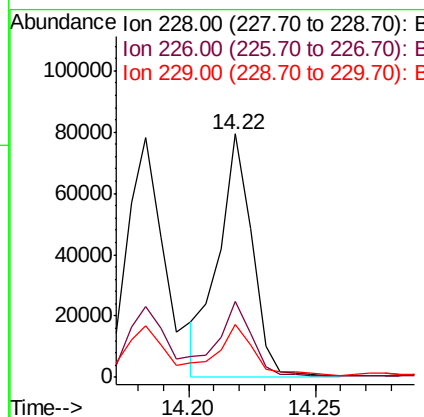
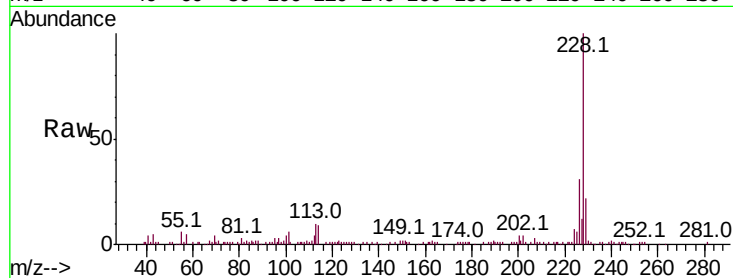
ClientSampleId :

CARLSTADT-FRONT

Tot Ion:	228	Resp:	72901
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	21.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.183 ng

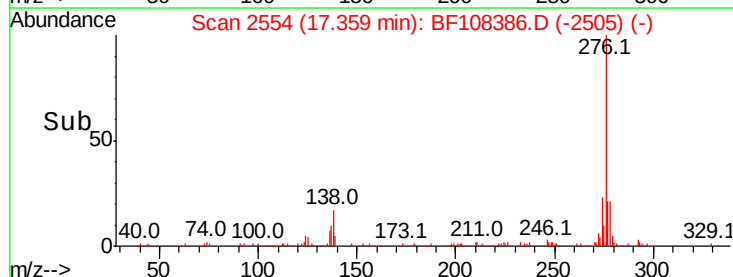
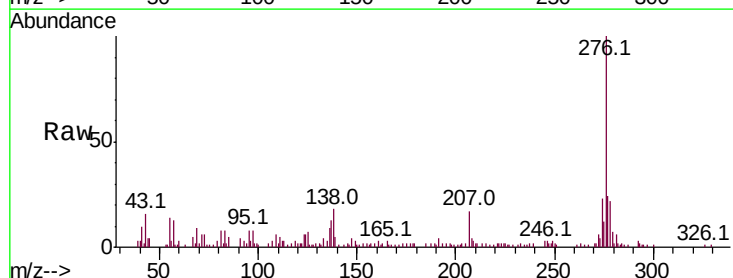
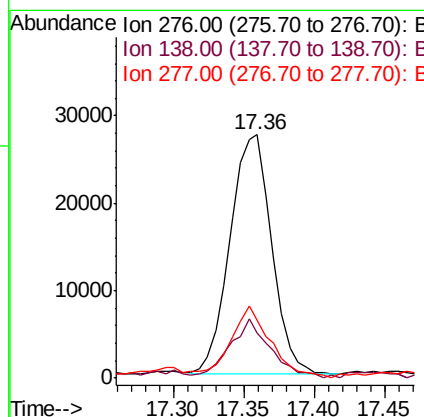
RT: 17.36 min Scan# 2554

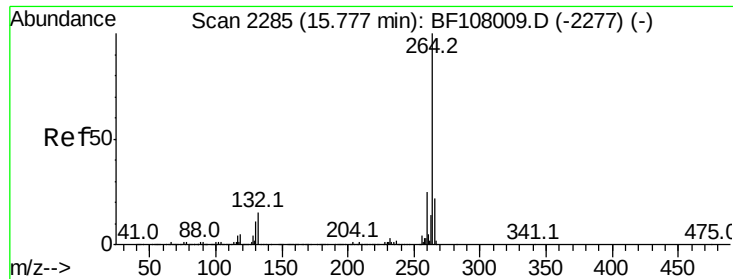
Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Tgt Ion:	276	Resp:	56342
Ion Ratio	Lower	Upper	
276	100		
138	24.1	25.0	37.6#
277	28.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Instrument :

BNA_F

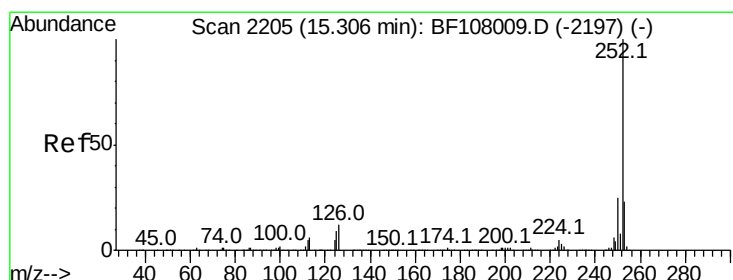
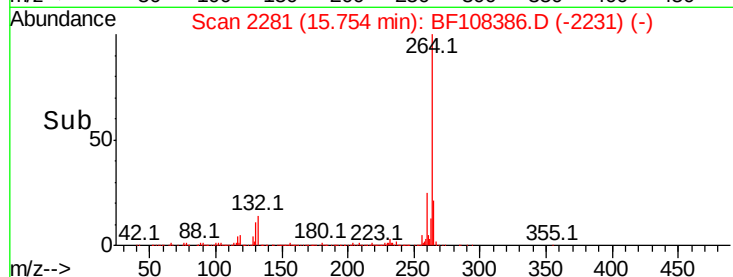
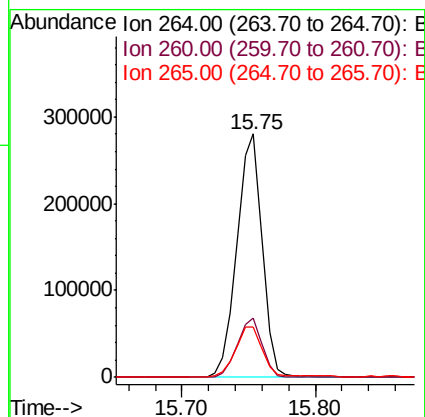
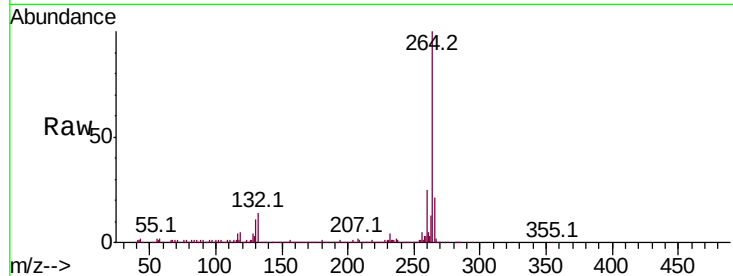
ClientSampleId :

CARLSTADT-FRONT

Tot Ion:	264	Resp:	369920
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	20.7	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 5.027 ng m

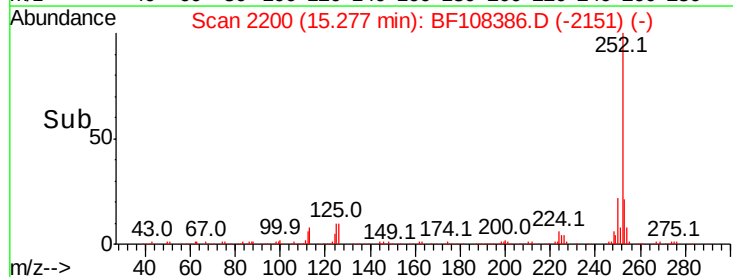
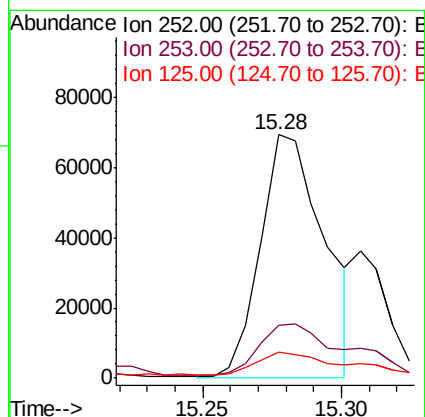
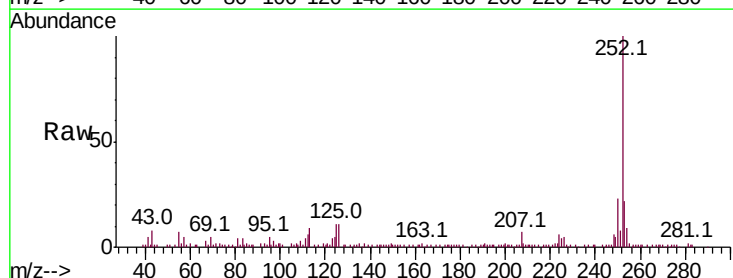
RT: 15.28 min Scan# 2200

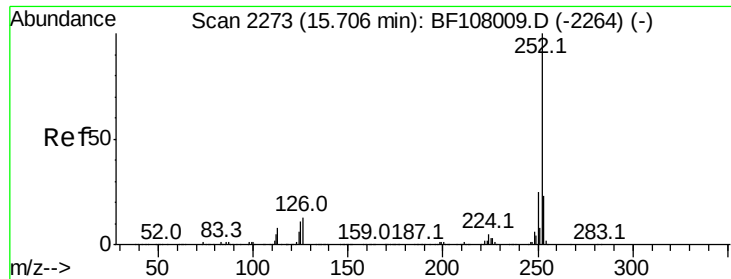
Delta R.T. -0.01 min

Lab File: BF108386.D

Acq: 22 Aug 2018 16:39

Tgt Ion:	252	Resp:	111127
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	10.9	9.0	13.6





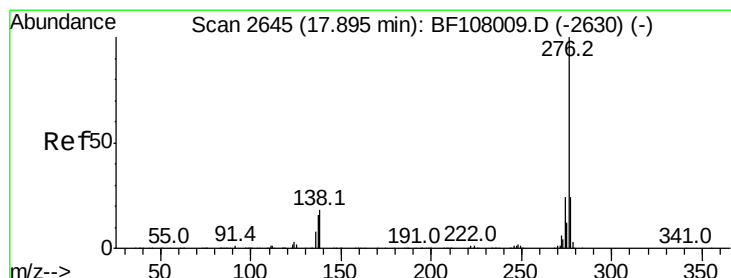
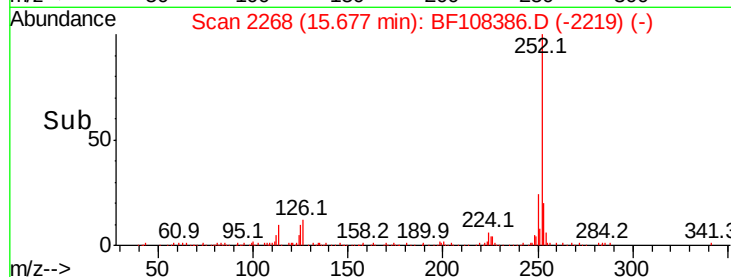
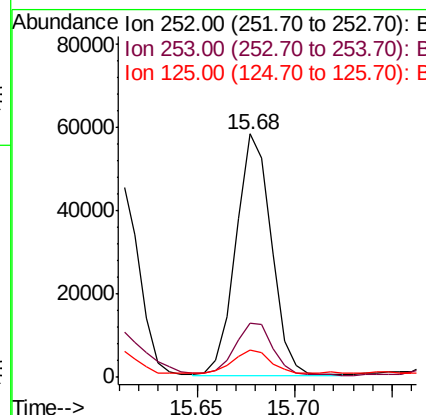
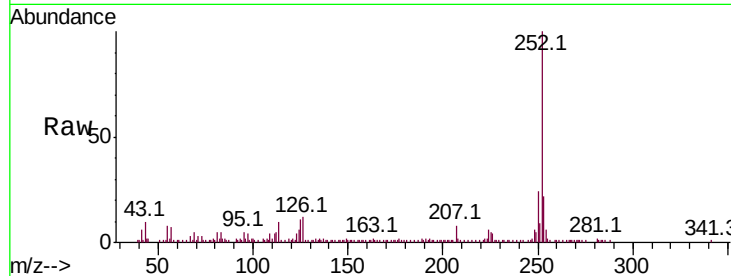
#89
Benzo(a)pyrene
Concen: 3.708 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONT

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	11.3	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.622 ng
RT: 17.85 min Scan# 2637
Delta R.T. -0.02 min
Lab File: BF108386.D
Acq: 22 Aug 2018 16:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	20.8	21.8	32.8#

