

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108311.D
 Acq On : 21 Aug 2018 00:49
 Operator : JU/SJ
 Sample : J4497-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONT

Manual Integrations
 APPROVED

Sohil
 8/21/2018 1:43:32 PM

Quant Time: Aug 21 05:14:48 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	153104	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	529522	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	222612	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	401956	20.00	ng	0.00
75) Chrysene-d12	14.22	240	276584	20.00	ng	0.00
86) Perylene-d12	15.78	264	218509	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	847319	100.20	ng	0.02
7) Phenol-d6	6.64	99	1102280	98.09	ng	0.01
23) Nitrobenzene-d5	7.58	82	681624	71.83	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	224418	101.07	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1222174	88.14	ng	0.00
78) Terphenyl-d14	13.15	244	1069724	98.34	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.77	163	79409	5.121	ng	Qvalue # 99
70) Phenanthrene	11.58	178	61428	3.240	ng	94
74) Fluoranthene	12.78	202	136705	6.607	ng	96
77) Pyrene	13.01	202	124466	7.108	ng	97
80) Benzo(a)anthracene	14.21	228	57231	3.606	ng	97
82) Chrysene	14.24	228	52996	3.642	ng	96
85) Indeno(1,2,3-cd)pyrene	17.40	276	27200	2.157	ng	# 85
87) Benzo(b)fluoranthene	15.31	252	65829m	5.042	ng	
89) Benzo(a)pyrene	15.71	252	42007	3.593	ng	# 95
91) Benzo(g,h,i)perylene	17.90	276	28923	3.036	ng	# 88

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

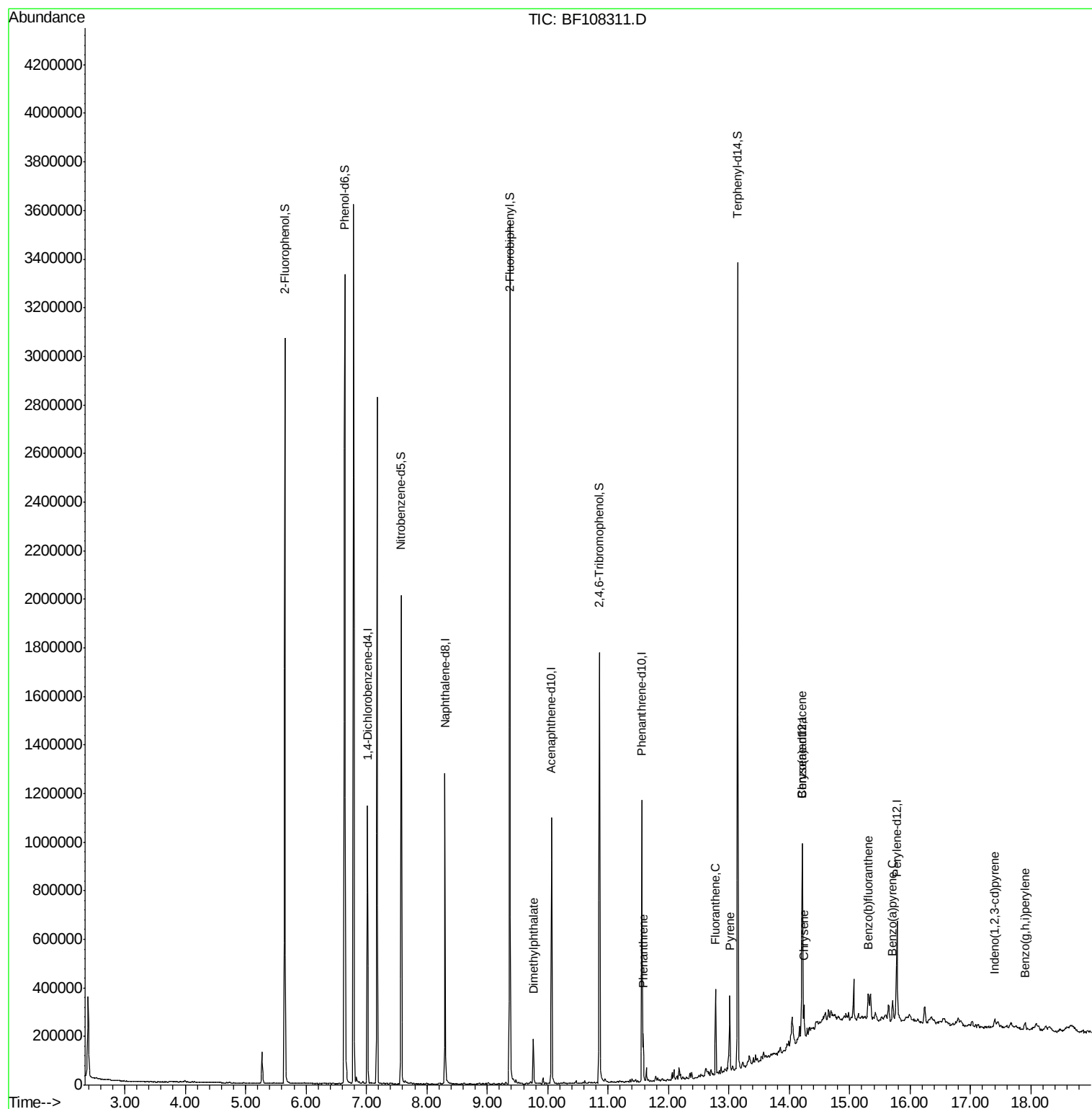
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108311.D
Acq On : 21 Aug 2018 00:49
Operator : JU/SJ
Sample : J4497-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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#1

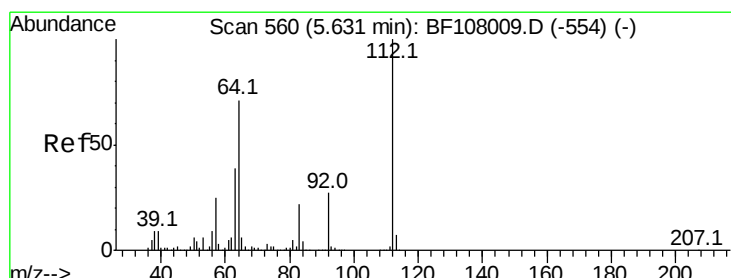
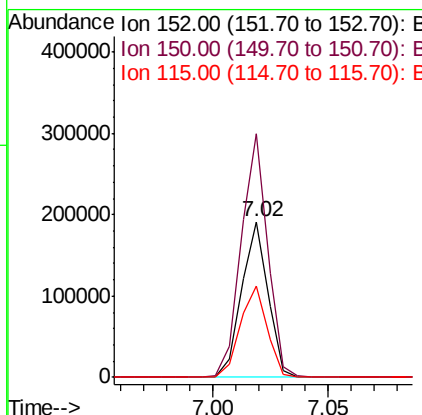
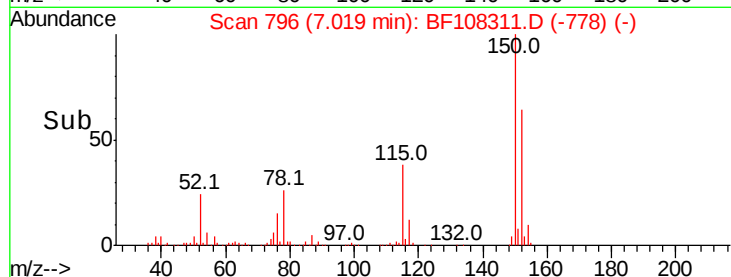
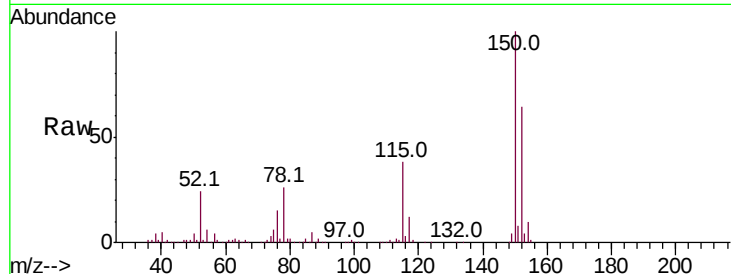
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONT

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	58.9	50.1	75.1

Manual Integrations
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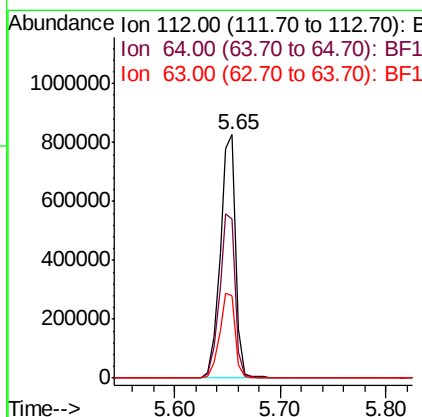
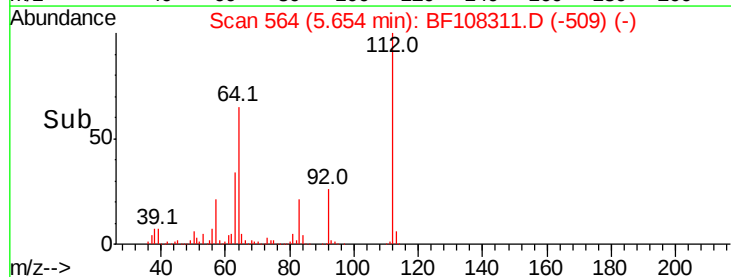
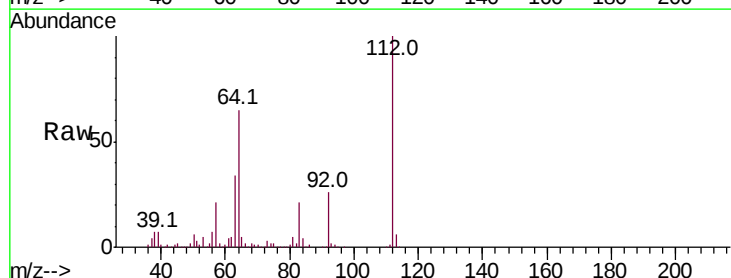
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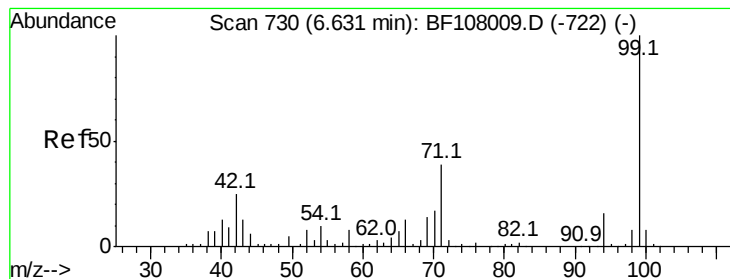


#5

2-Fluorophenol
Concen: 100.195 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	33.9	23.7	35.5





#7

Phenol-d6

Concen: 98.087 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108311.D

Acq: 21 Aug 2018 00:49

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-FRONT

Tot Ion: 99 Resp: 1102280

Ion Ratio Lower Upper

99 100

42 22.3 14.5 21.7#

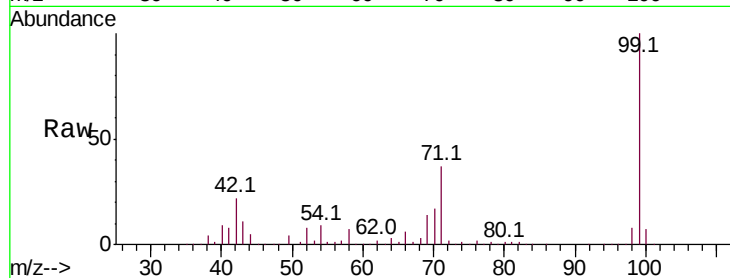
71 37.1 25.4 38.0

Manual Integrations

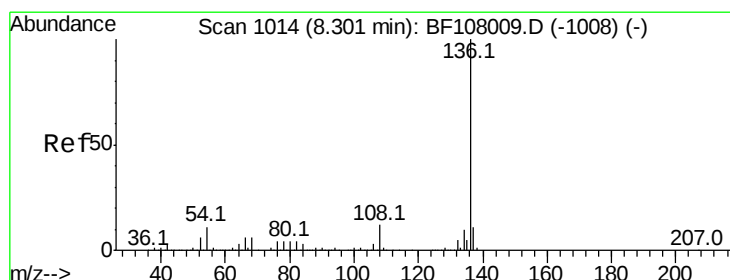
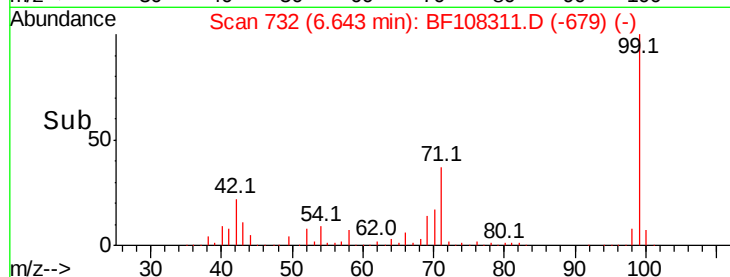
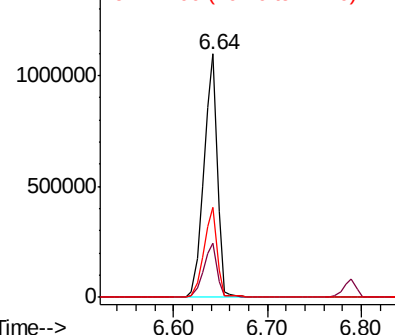
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108311.D

Acq: 21 Aug 2018 00:49

Tgt Ion: 136 Resp: 529522

Ion Ratio Lower Upper

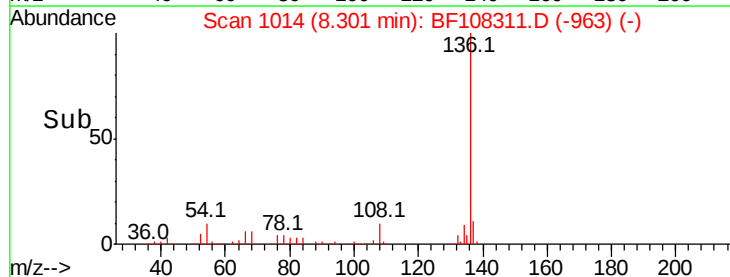
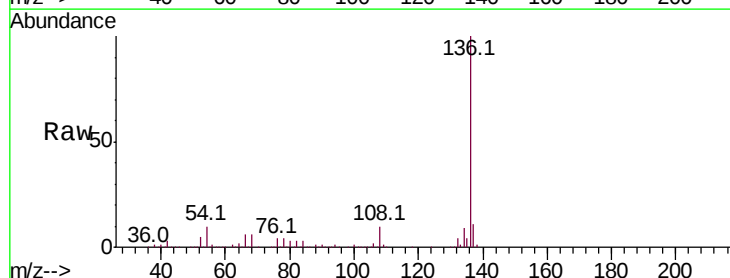
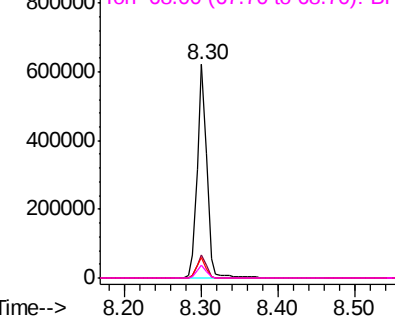
136 100

137 10.5 8.9 13.3

54 9.6 6.6 9.8

68 5.8 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





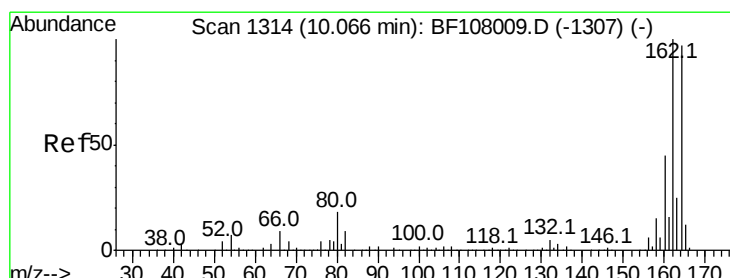
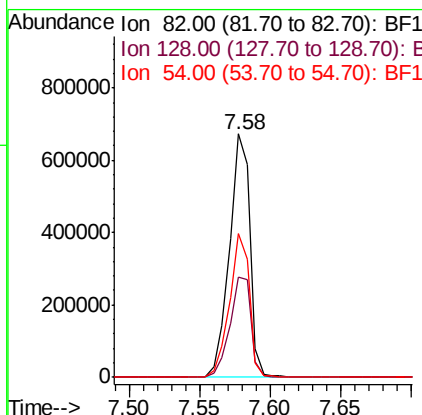
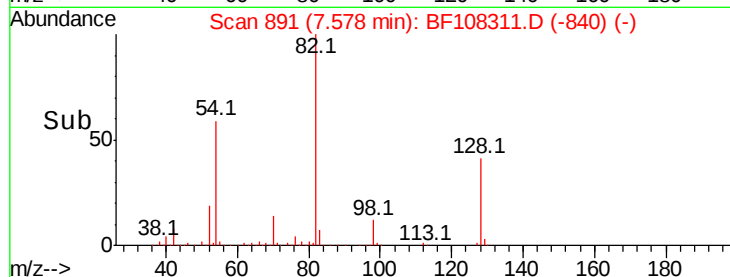
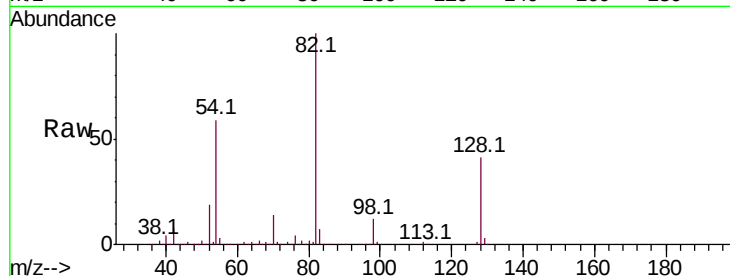
#23
Nitrobenzene-d5
Concen: 71.830 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONT

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.0	36.1	54.1
54	58.9	41.4	62.2

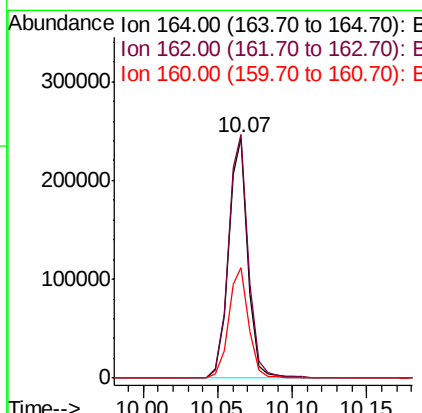
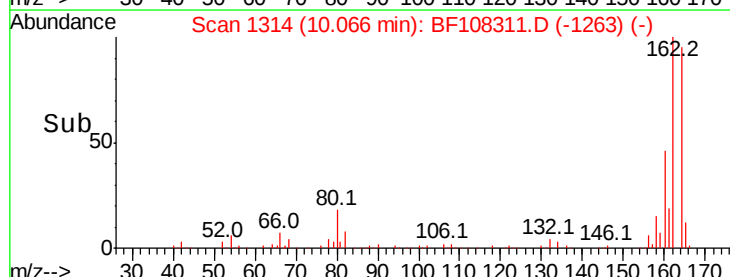
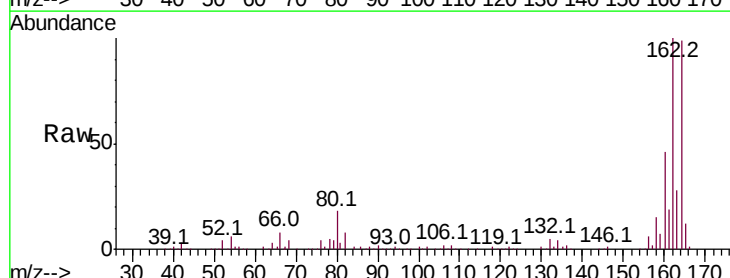
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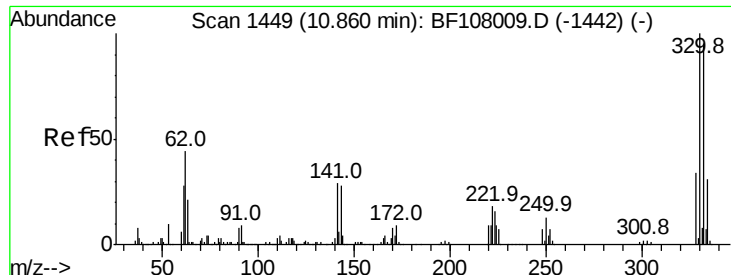
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	86.1	129.1
160	46.2	38.3	57.5





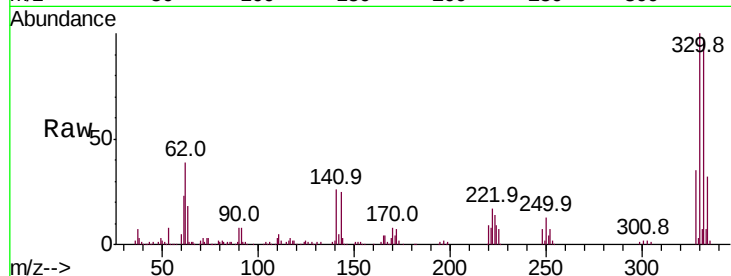
#41
 2,4,6-Tribromophenol
 Concen: 101.067 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108311.D
 Acq: 21 Aug 2018 00:49

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-FRONT

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	32.6	29.9	44.9

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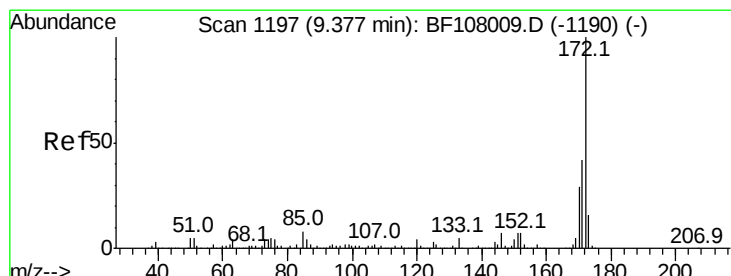
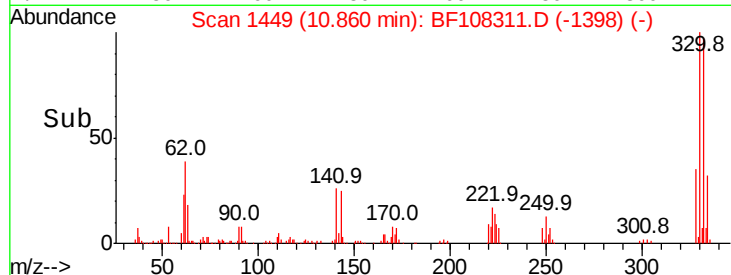
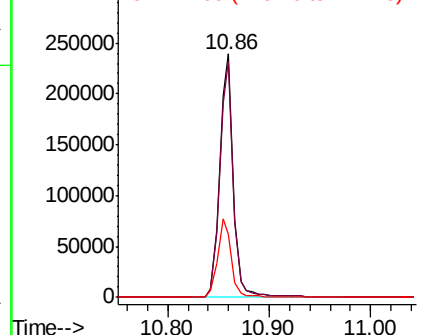


Abundance

Ion 329.80 (329.50 to 330.50): E

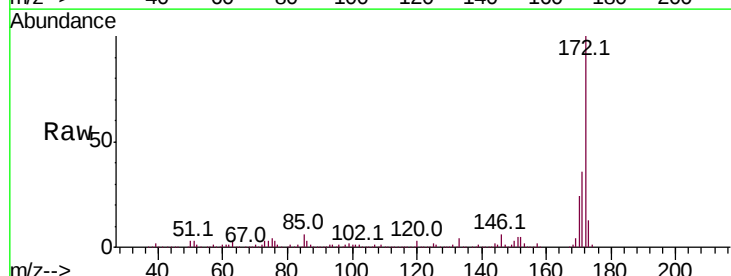
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 88.143 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108311.D
 Acq: 21 Aug 2018 00:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	19.6	29.4

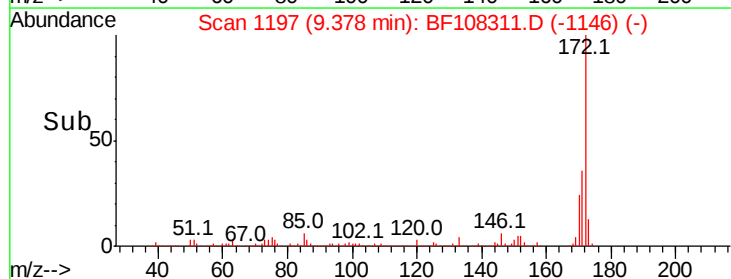
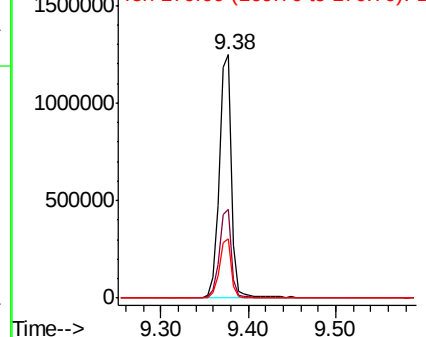


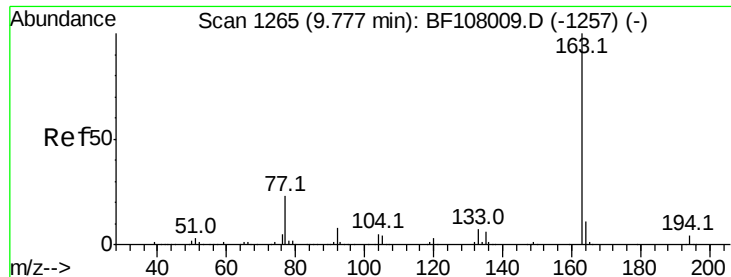
Abundance

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





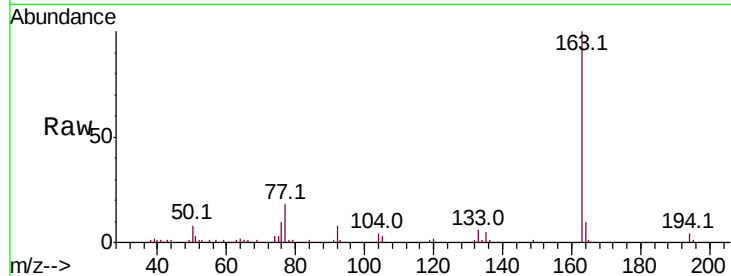
#49
Dimethylphthalate
Concen: 5.121 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONT

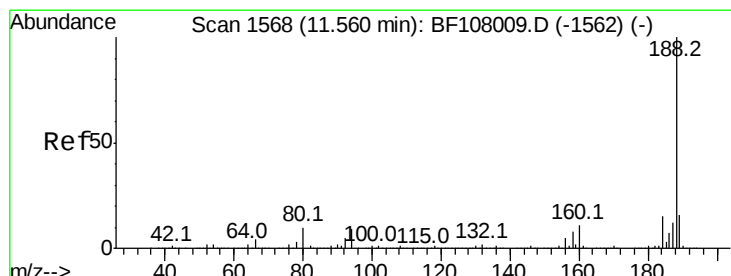
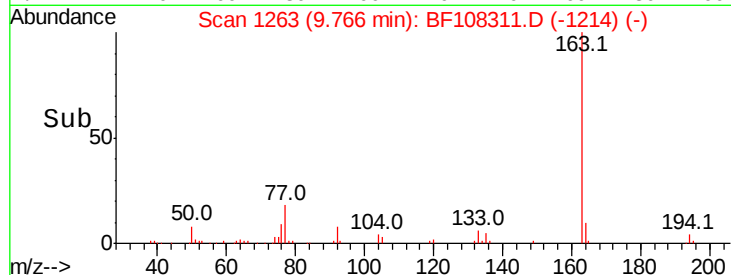
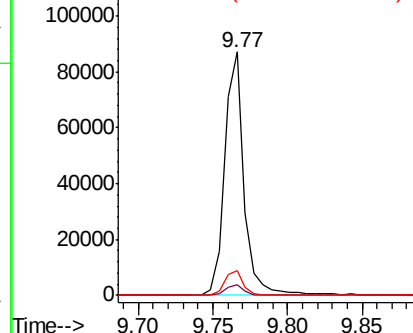
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	9.9	8.2	12.2

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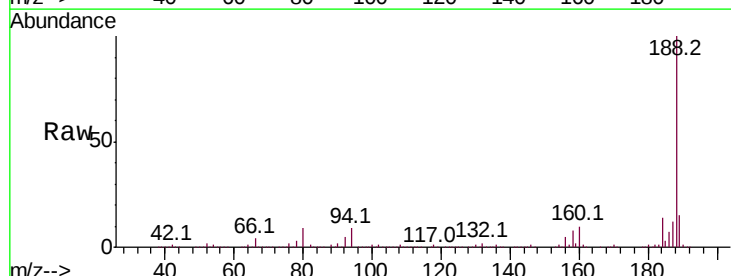


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

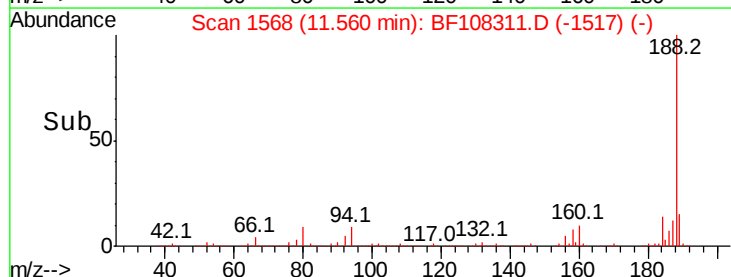
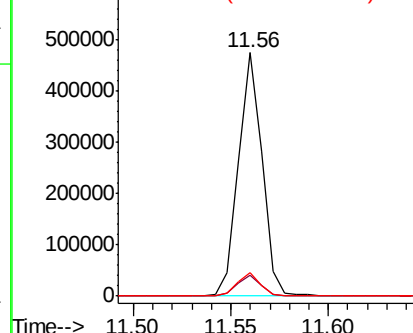


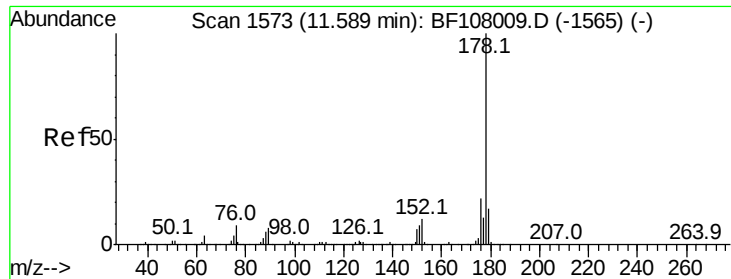
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7
80	9.4	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





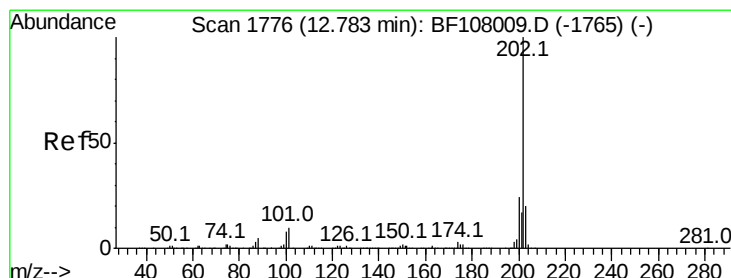
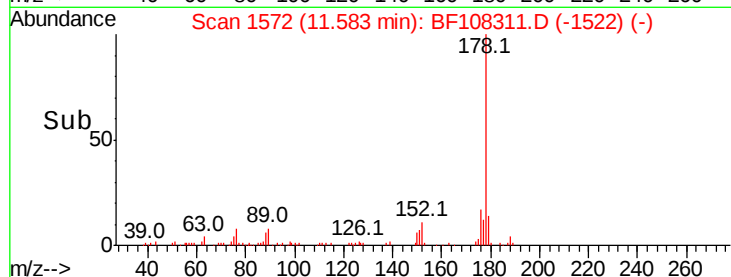
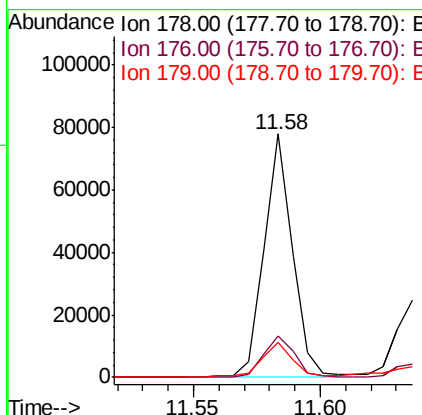
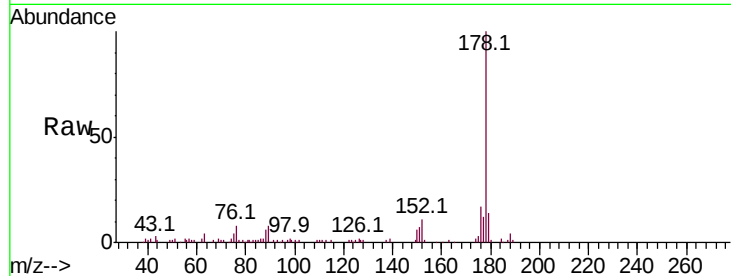
#70
Phenanthrene
Concen: 3.240 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONT

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.8	23.8
179	14.2	13.0	19.6

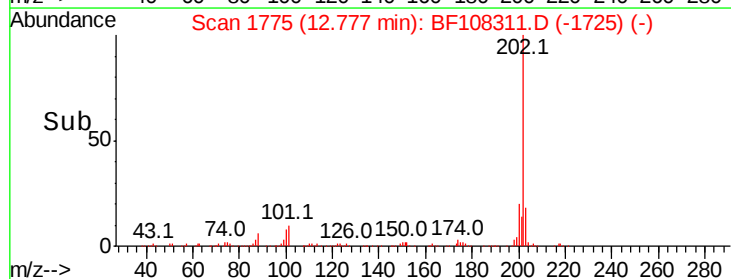
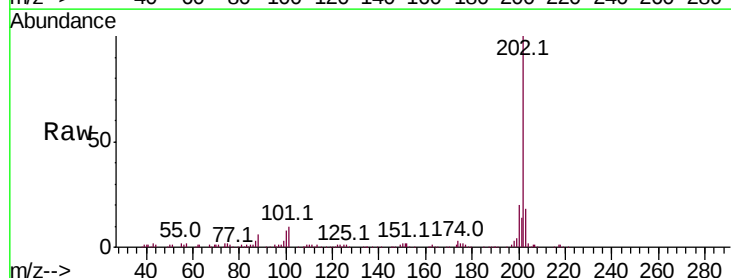
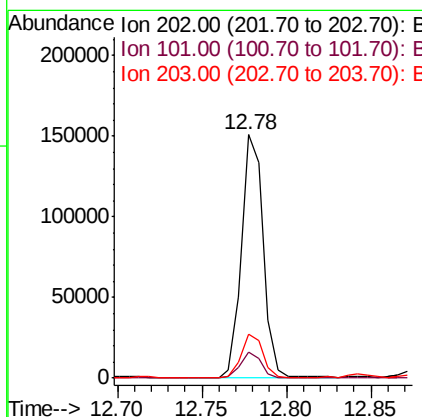
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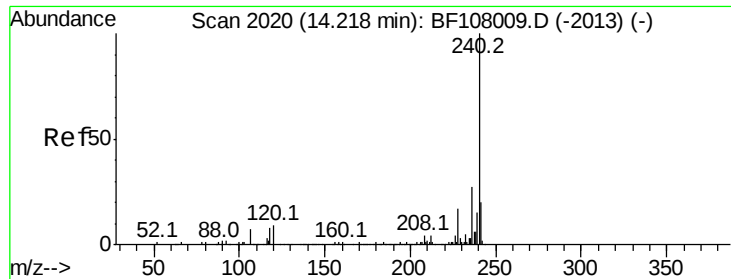
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#74
Fluoranthene
Concen: 6.607 ng
RT: 12.78 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF108311.D

Acq: 21 Aug 2018 00:49

Instrument :

BNA_F

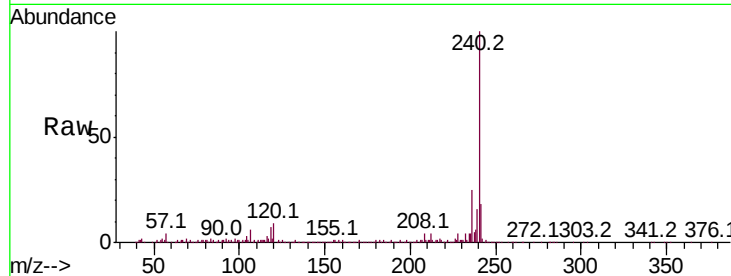
ClientSampleId :

CARLSTADT-FRONT

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	25.3	20.7	31.1

Manual Integrations
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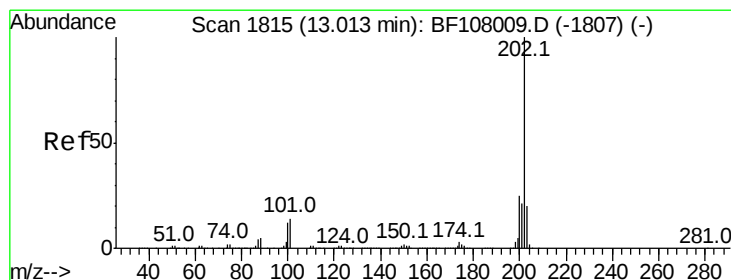
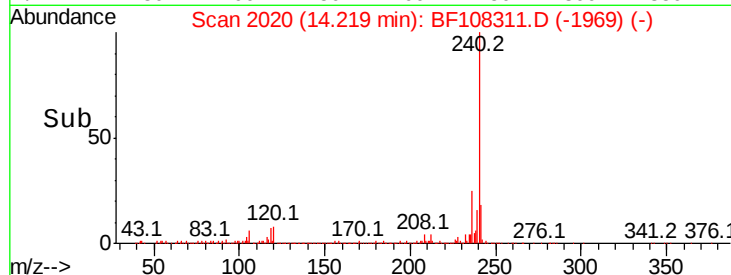
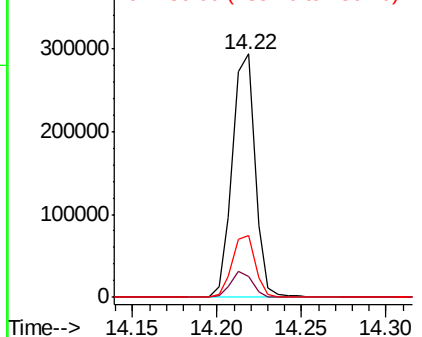


Abundance

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: 7.108 ng

RT: 13.01 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF108311.D

Acq: 21 Aug 2018 00:49

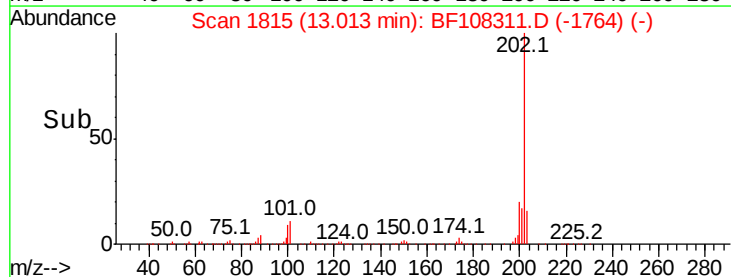
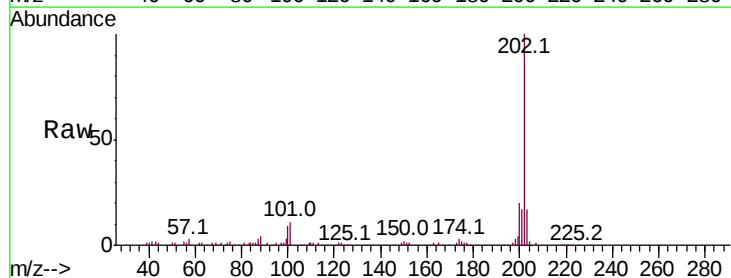
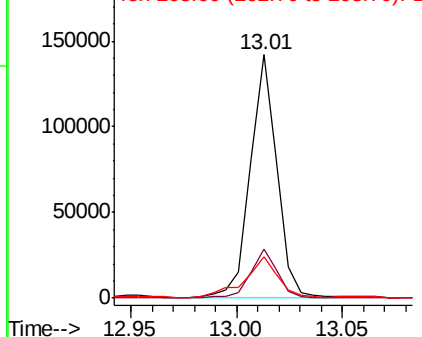
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.4	26.2
203	17.0	14.3	21.5

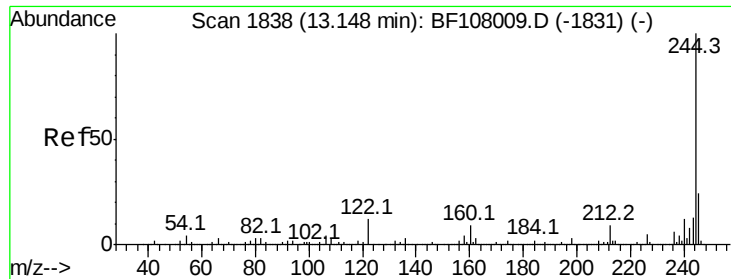
Abundance

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: 98.337 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108311.D

Acq: 21 Aug 2018 00:49

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-FRONT

Tot Ion:244 Resp: 1069724

Ion Ratio Lower Upper

244 100

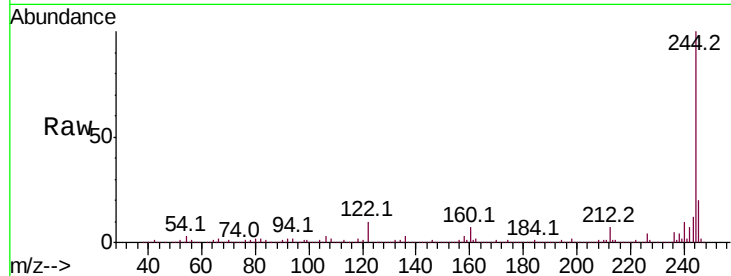
212 7.4 5.4 8.0

122 9.7 11.0 16.4#

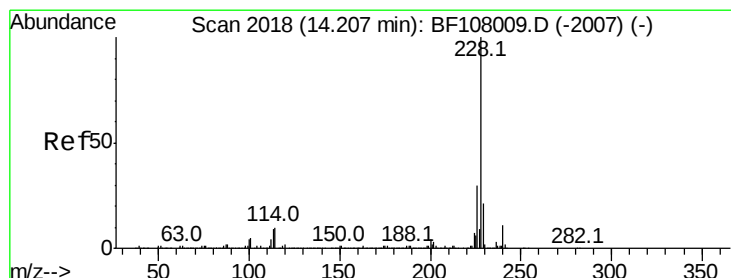
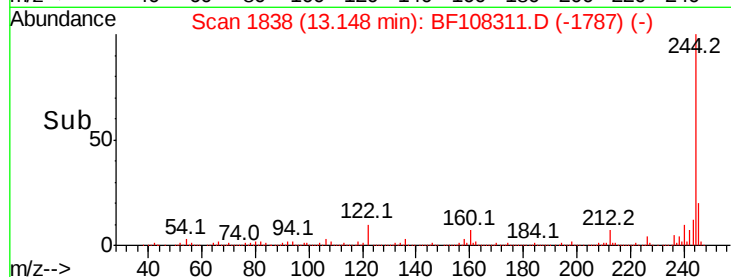
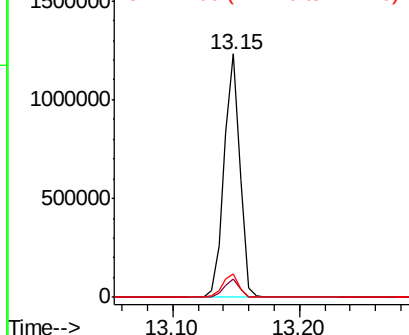
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.606 ng

RT: 14.21 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF108311.D

Acq: 21 Aug 2018 00:49

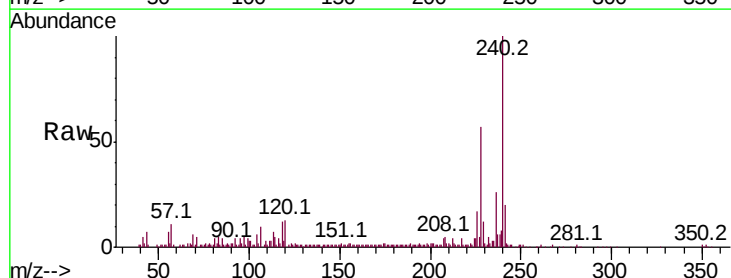
Tgt Ion:228 Resp: 57231

Ion Ratio Lower Upper

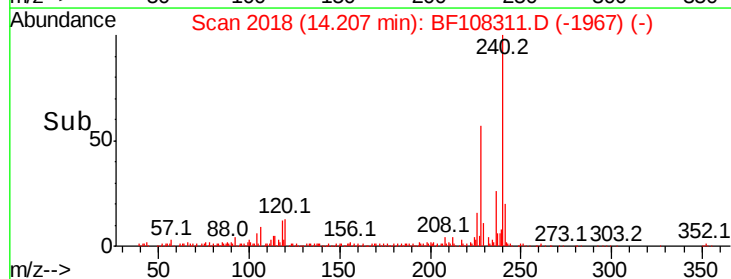
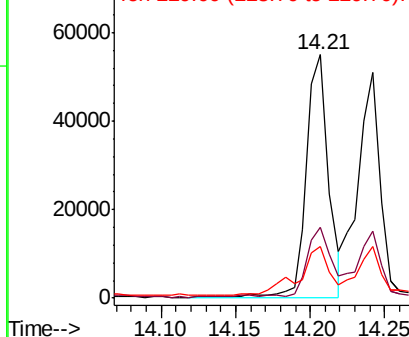
228 100

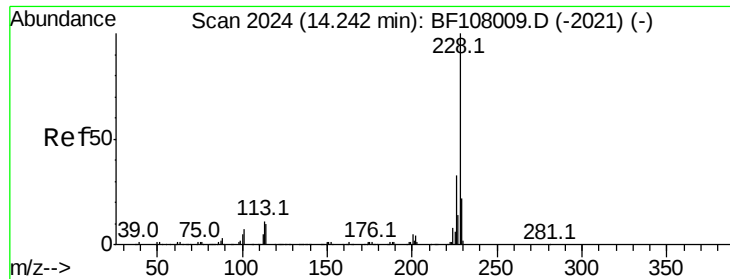
226 29.3 22.6 33.8

229 21.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





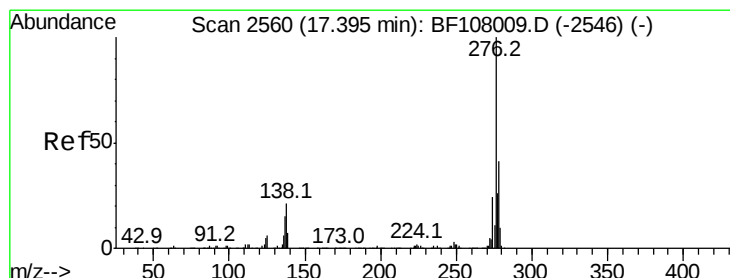
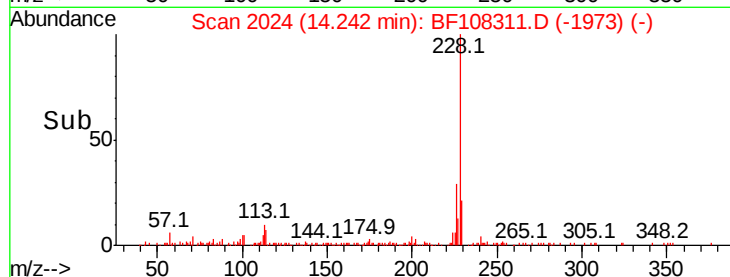
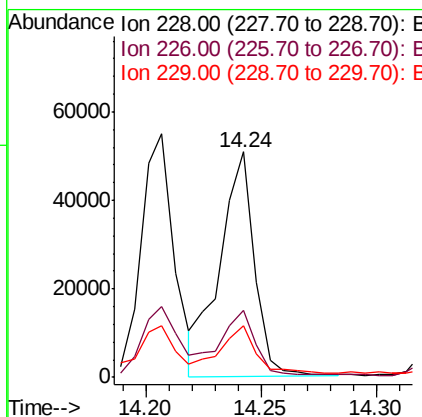
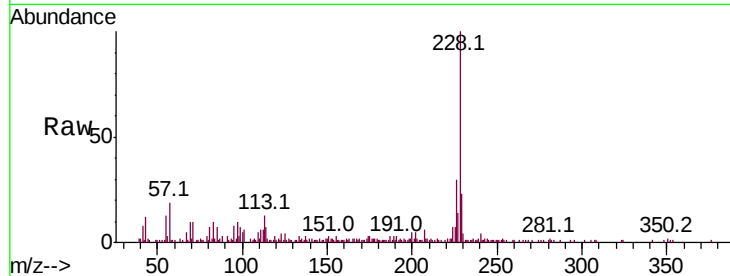
#82
Chrysene
Concen: 3.642 ng
RT: 14.24 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONT

Tot Ion:228	Resp:	52996
Ion Ratio	Lower	Upper
228 100		
226 29.9	25.0	37.6
229 22.9	16.2	24.4

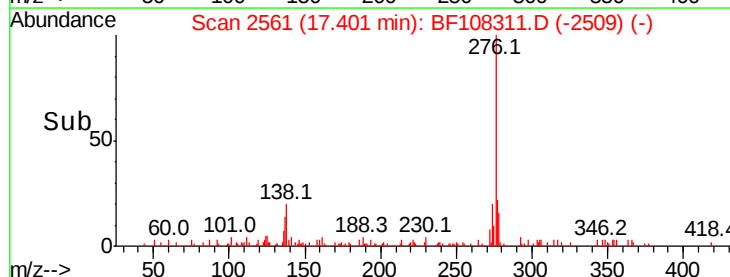
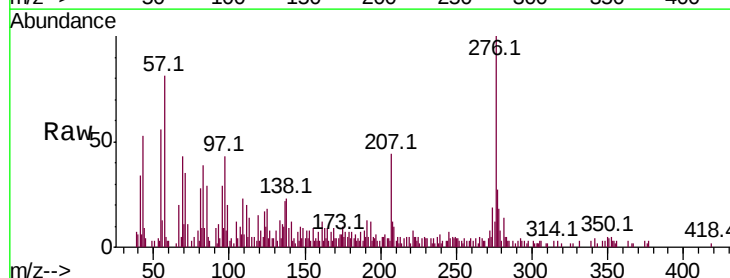
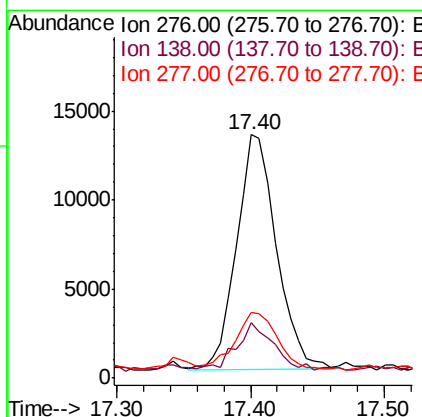
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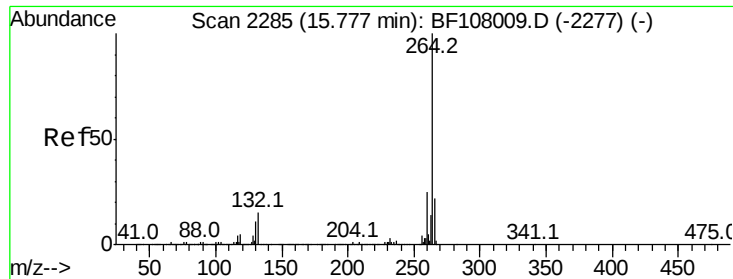
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.157 ng
RT: 17.40 min Scan# 2561
Delta R.T. 0.01 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Tgt Ion:276	Resp:	27200
Ion Ratio	Lower	Upper
276 100		
138 17.0	25.0	37.6#
277 26.0	20.1	30.1





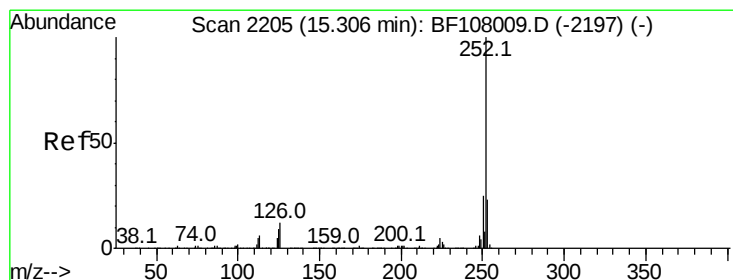
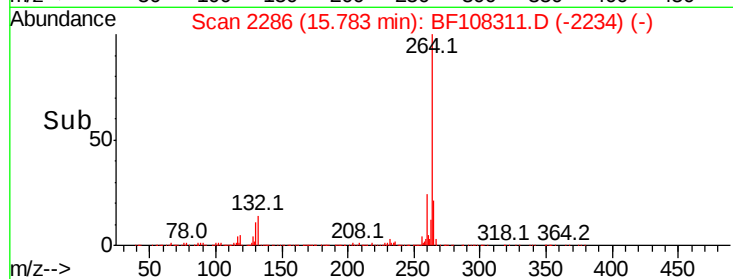
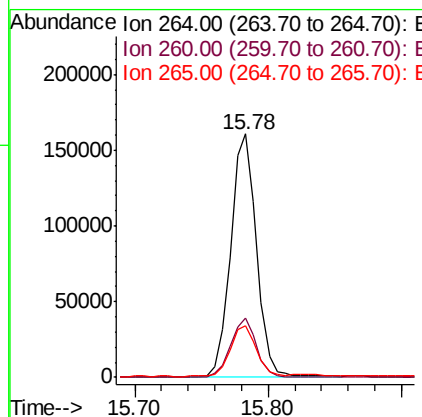
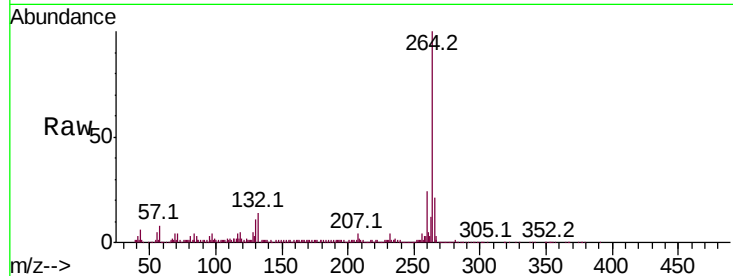
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONT

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.4	17.5	26.3

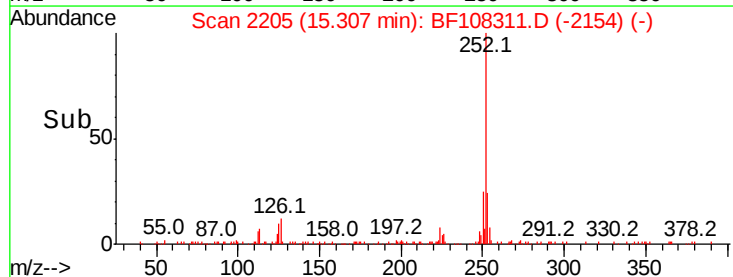
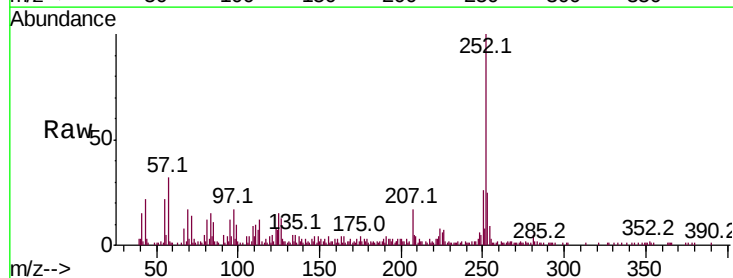
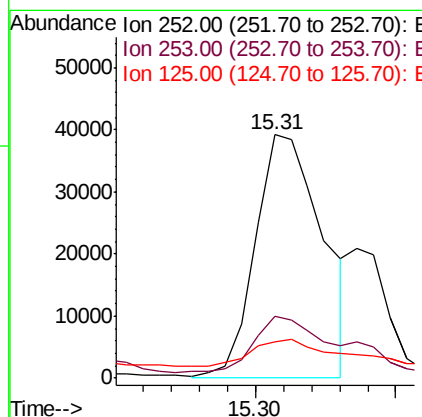
Manual Integrations
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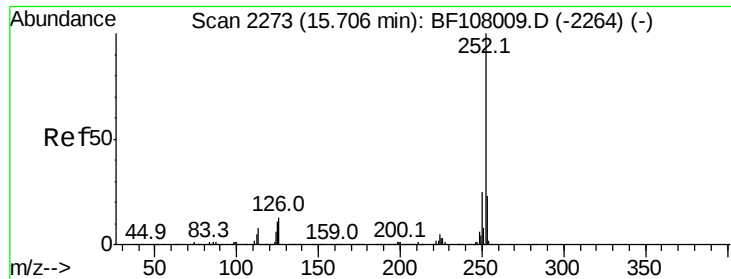
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#87
Benzo(b)fluoranthene
Concen: 5.042 ng m
RT: 15.31 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.0	25.6
125	14.7	9.0	13.6#





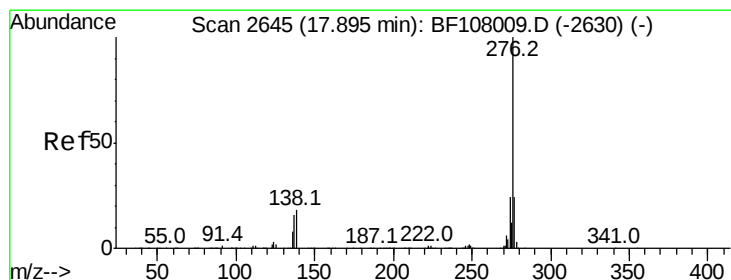
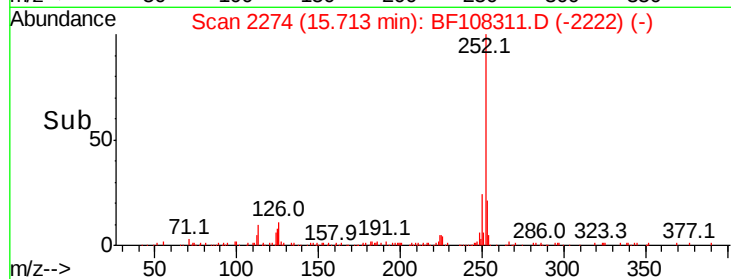
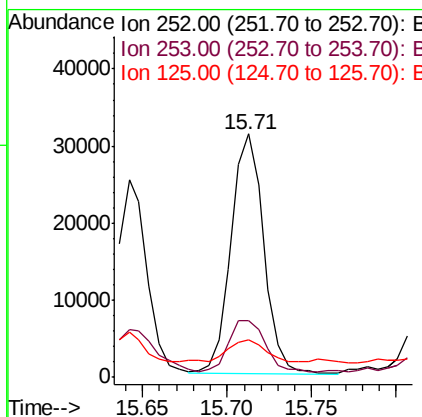
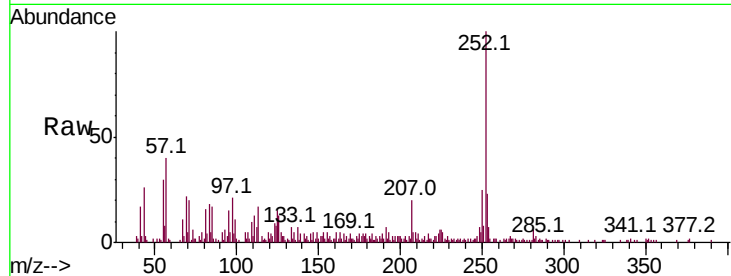
#89
Benzo(a)pyrene
Concen: 3.593 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-FRONT

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	15.2	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.036 ng
RT: 17.90 min Scan# 2646
Delta R.T. 0.01 min
Lab File: BF108311.D
Acq: 21 Aug 2018 00:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9
138	20.6	21.8	32.8

