

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
 Data File : BF108467.D
 Acq On : 24 Aug 2018 17:06
 Operator : JU/SJ
 Sample : J4581-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-A2

Manual Integrations
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Sohil
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Quant Time: Aug 27 11:08:49 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	141342	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	561847	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	290751	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	571298	20.00	ng	0.00
75) Chrysene-d12	14.19	240	367599	20.00	ng	0.00
86) Perylene-d12	15.75	264	308841	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	755771	96.81	ng	0.00
7) Phenol-d6	6.62	99	1041995	100.44	ng	0.00
23) Nitrobenzene-d5	7.56	82	692303	68.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	325546	112.25	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1180927	65.21	ng	0.00
78) Terphenyl-d14	13.13	244	1263862	87.42	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.75	163	372247	18.380	ng	Qvalue # 99
70) Phenanthrene	11.57	178	126181	4.683	ng	98
74) Fluoranthene	12.76	202	200264	6.810	ng	95
77) Pyrene	12.99	202	190935	8.204	ng	99
80) Benzo(a)anthracene	14.18	228	82816	3.926	ng	100
82) Chrysene	14.22	228	69509	3.594	ng	98
87) Benzo(b)fluoranthene	15.28	252	69860m	3.786	ng	
89) Benzo(a)pyrene	15.68	252	51086	3.091	ng	97
91) Benzo(g,h,i)perylene	17.85	276	31476	2.338	ng	# 90

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

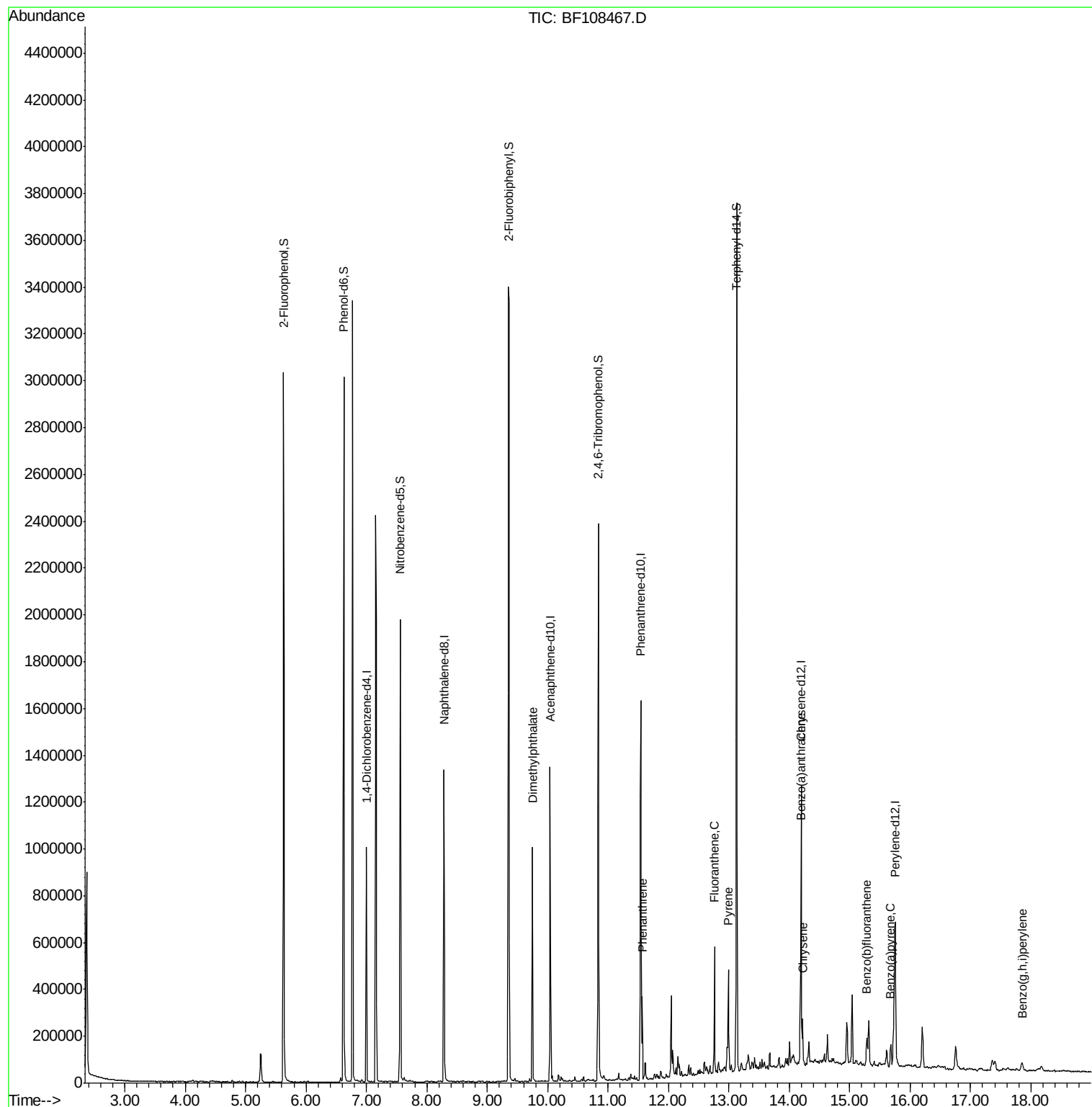
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
Data File : BF108467.D
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Sample : J4581-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

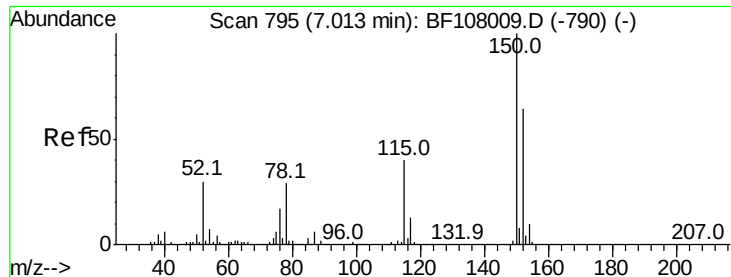
Instrument :
BNA_F
ClientSampleId :
EP1-Q3-A2

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#1

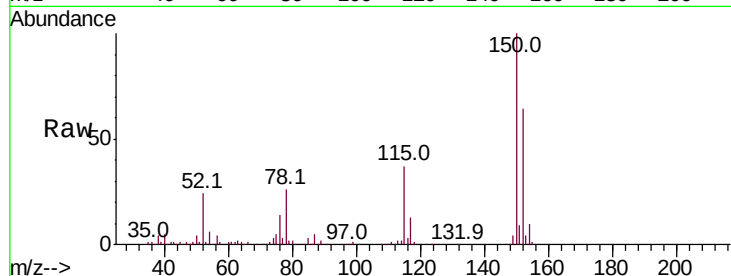
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-A2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	57.9	50.1	75.1

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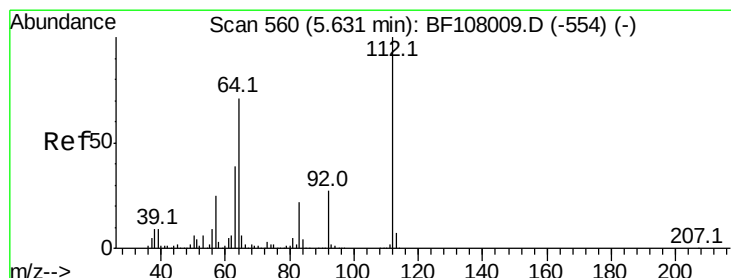
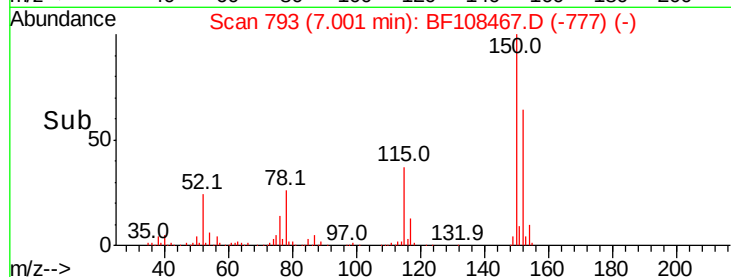
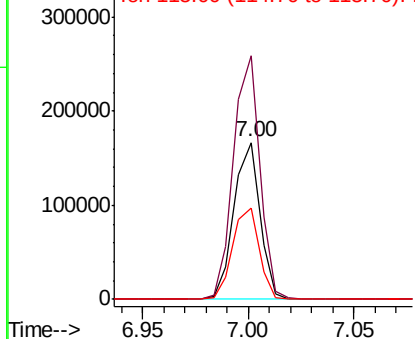


Abundance

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: 96.807 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

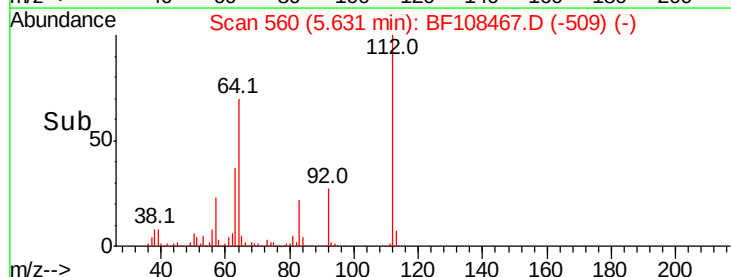
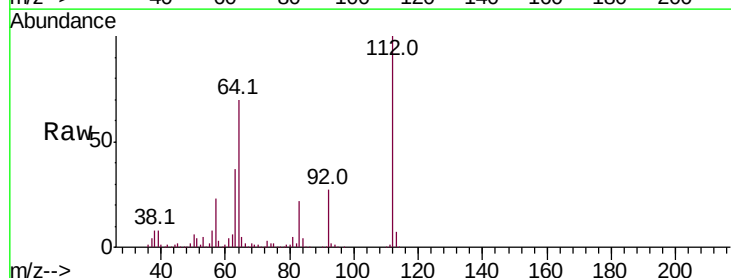
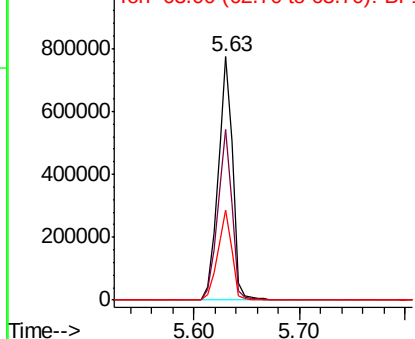
Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	47.9	71.9
63	37.2	23.7	35.5

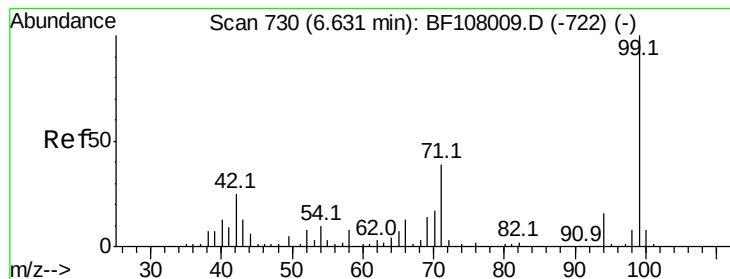
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 100.439 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Instrument :

BNA_F

ClientSampled :

EP1-Q3-A2

Tot Ion: 99 Resp: 1041995

Ion Ratio Lower Upper

99 100

42 22.4 14.5 21.7#

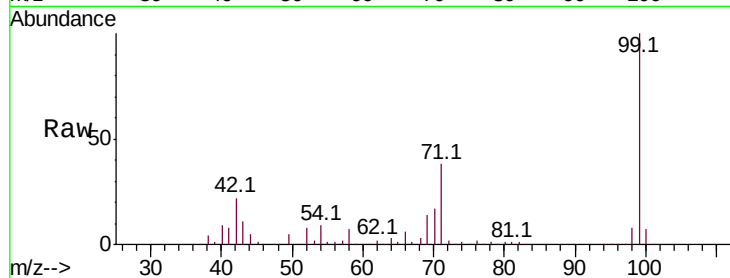
71 37.9 25.4 38.0

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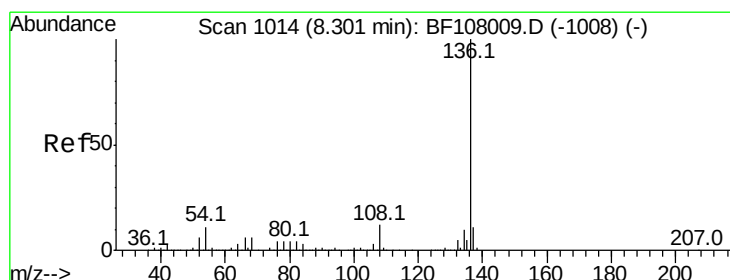
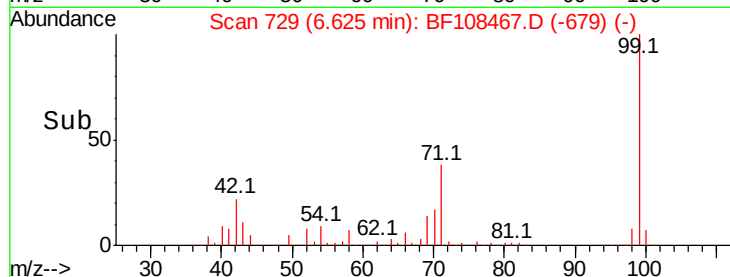
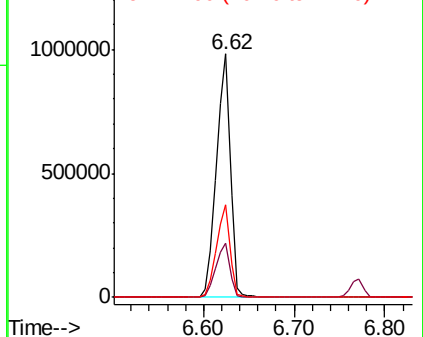
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Tgt Ion: 136 Resp: 561847

Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.4 6.6 9.8

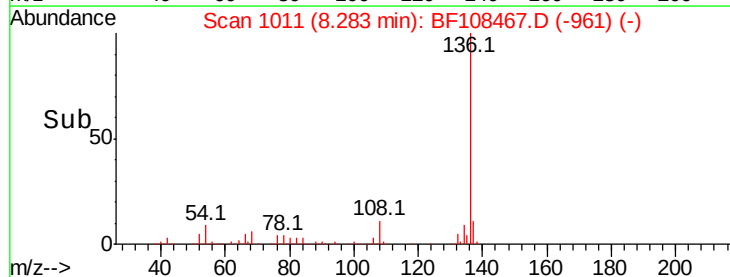
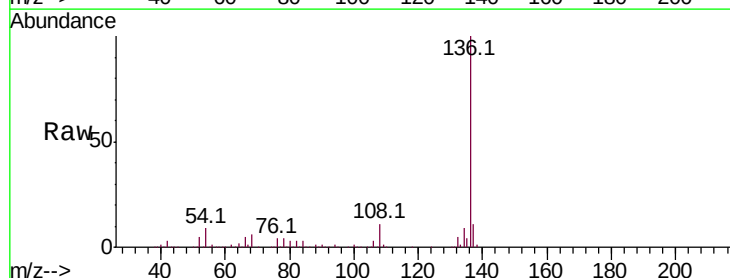
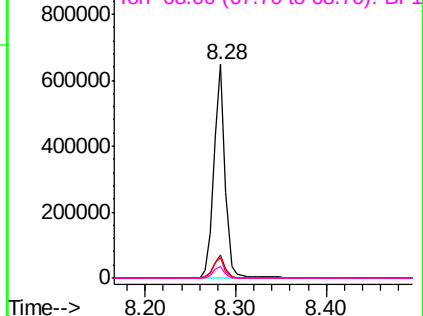
68 5.7 5.0 7.4

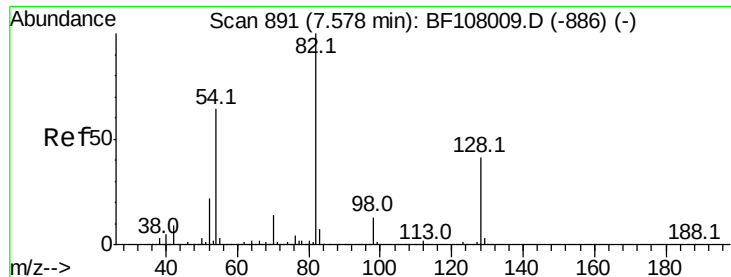
Abundance Ion 136.00 (135.70 to 136.70): E

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





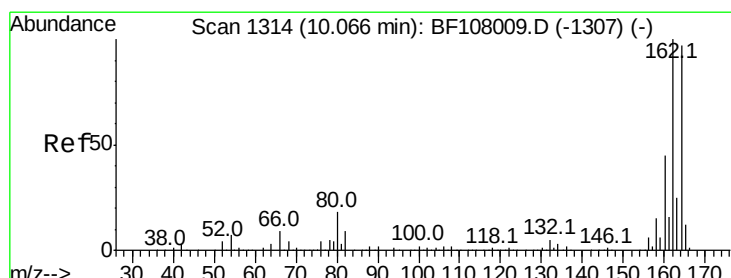
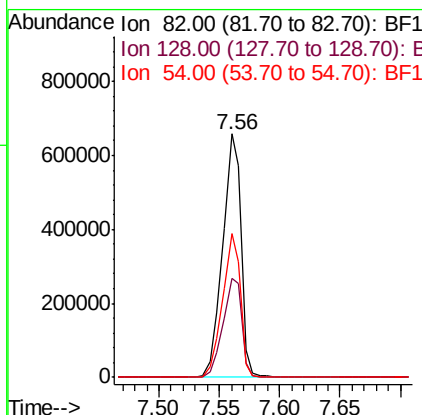
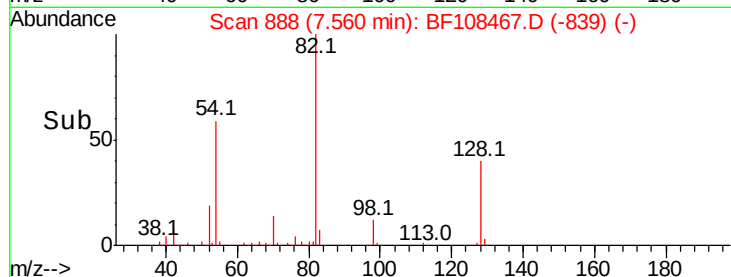
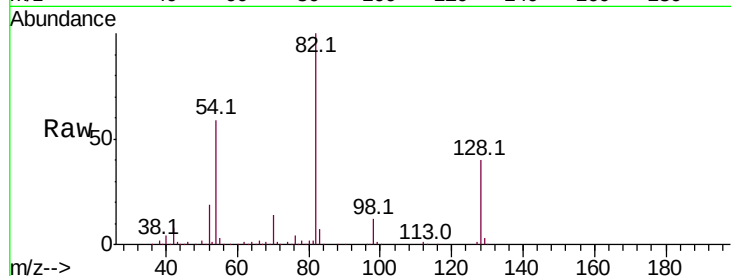
#23
 Nitrobenzene-d5
 Concen: 68.758 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-A2

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.5	36.1	54.1
54	59.1	41.4	62.2

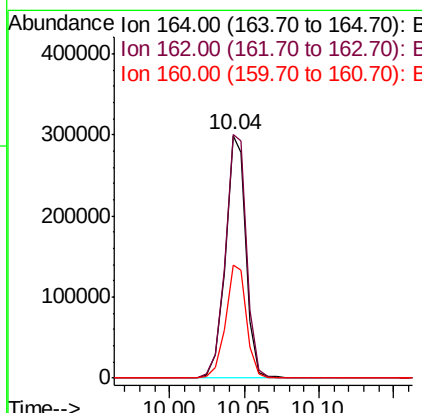
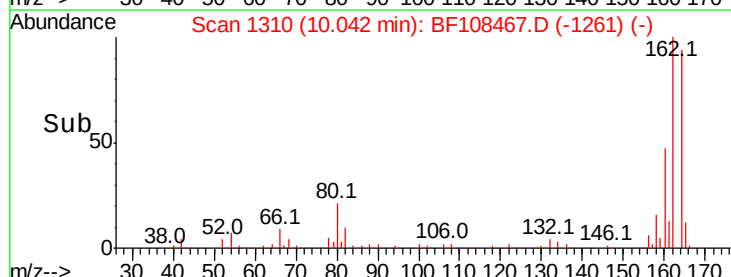
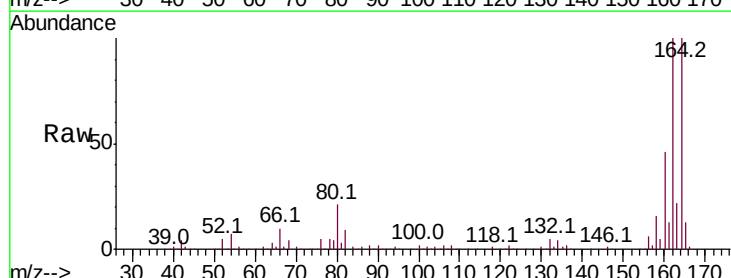
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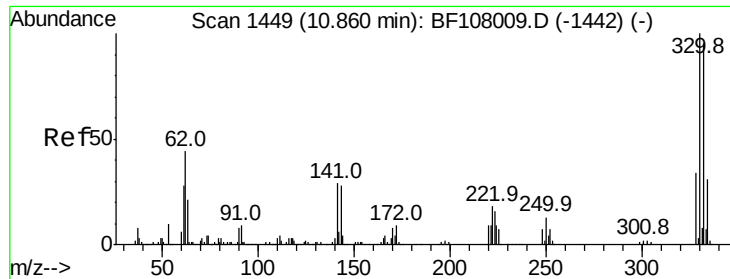
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	86.1	129.1
160	46.4	38.3	57.5





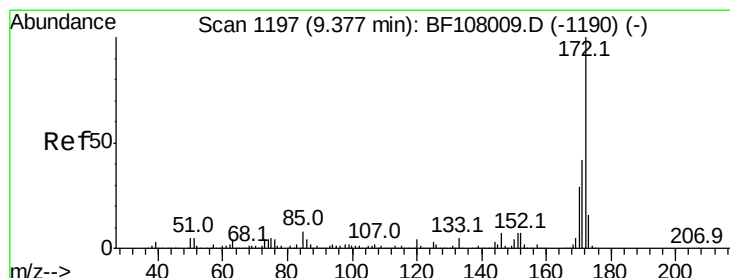
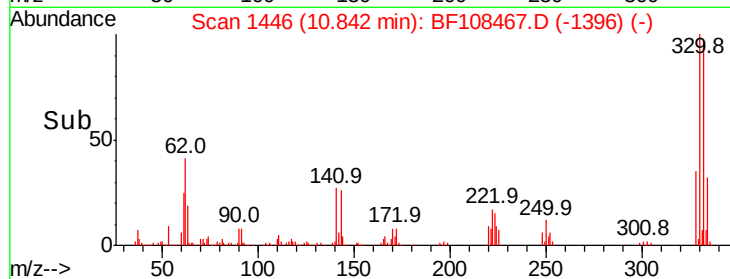
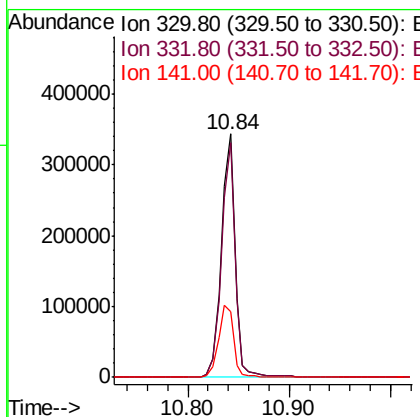
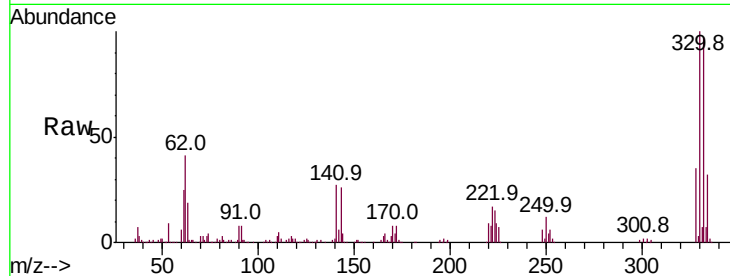
#41
 2,4,6-Tribromophenol
 Concen: 112.251 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-A2

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	77.0	115.6	
141	32.7	29.9	44.9	

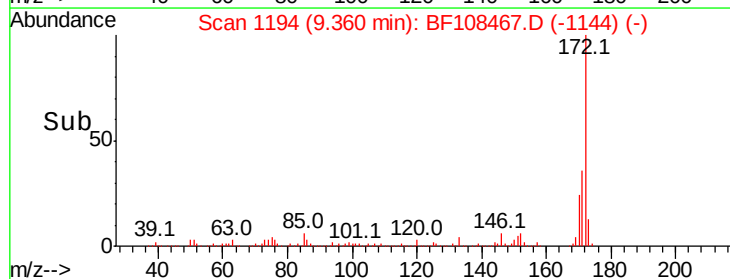
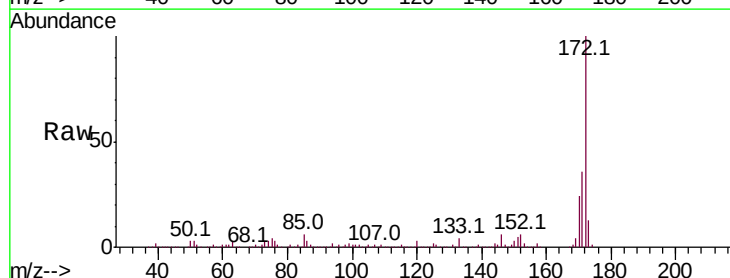
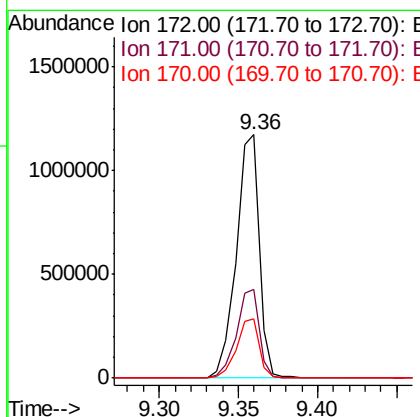
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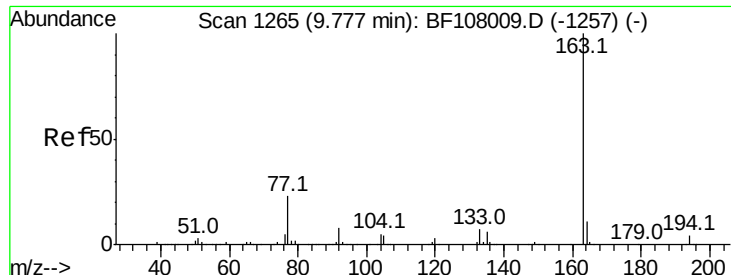
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#44
 2-Fluorobiphenyl
 Concen: 65.208 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.7	44.5	
170	24.4	19.6	29.4	





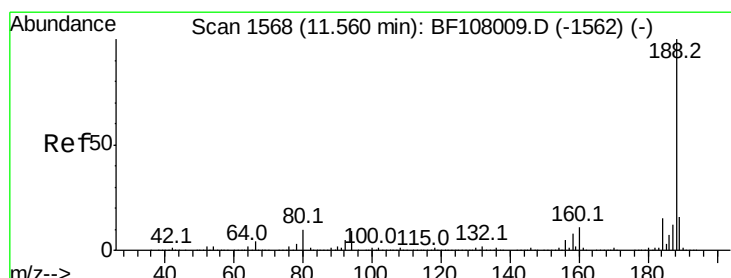
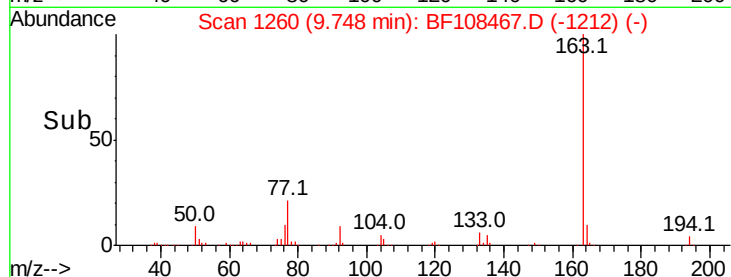
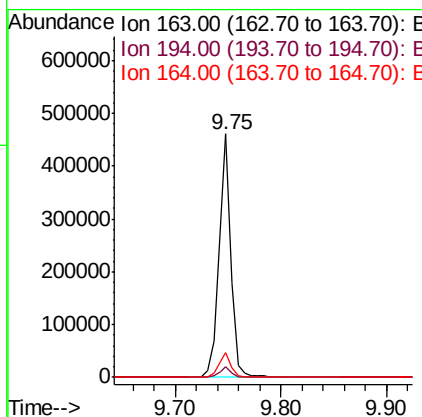
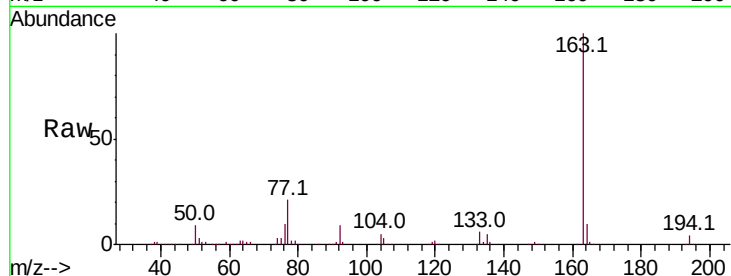
#49
Dimethylphthalate
Concen: 18.380 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-A2

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	2.7	4.1#	
164	10.1	8.2	12.2	

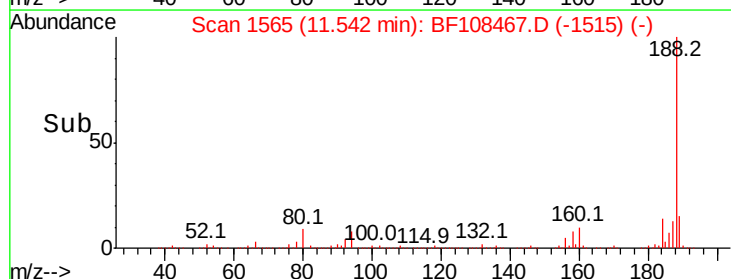
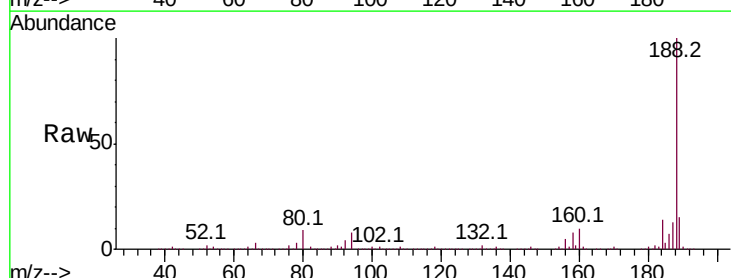
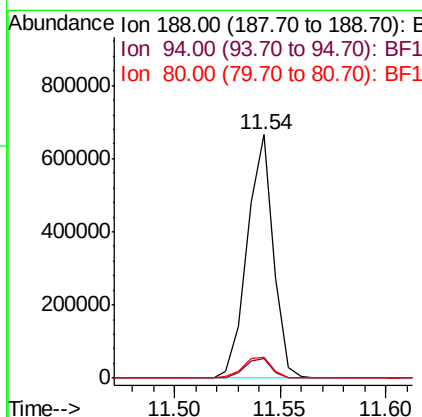
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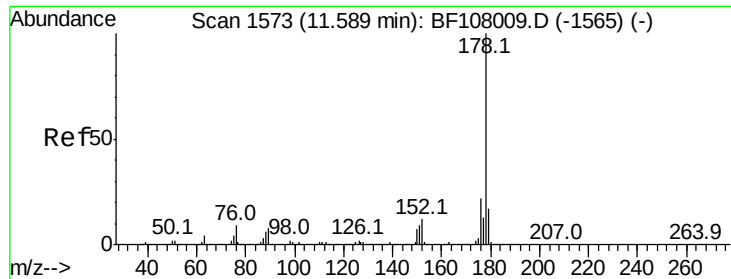
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.1	8.5	12.7#	
80	8.8	9.2	13.8#	





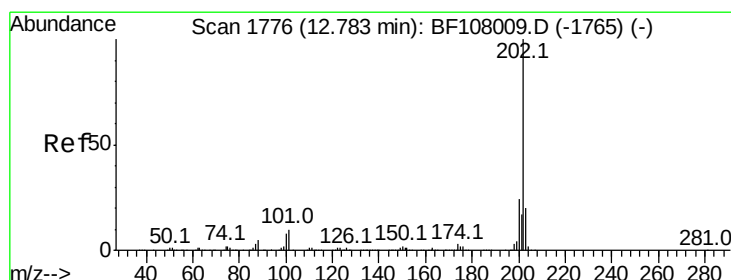
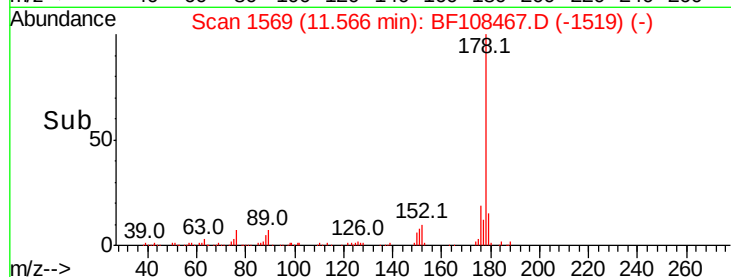
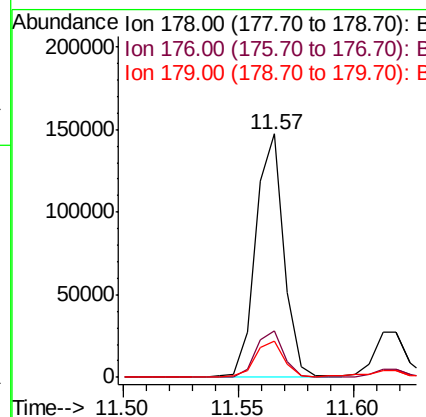
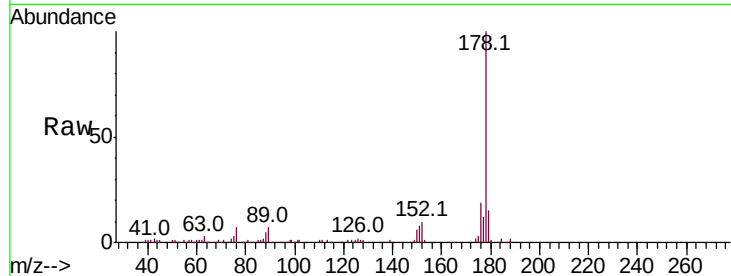
#70
 Phenanthrene
 Concen: 4.683 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-A2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	19.1	15.8	23.8		
179	15.1	13.0	19.6		

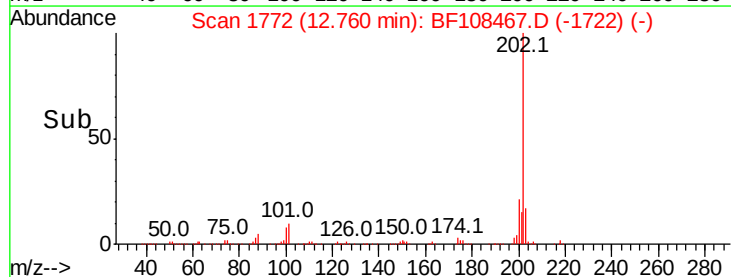
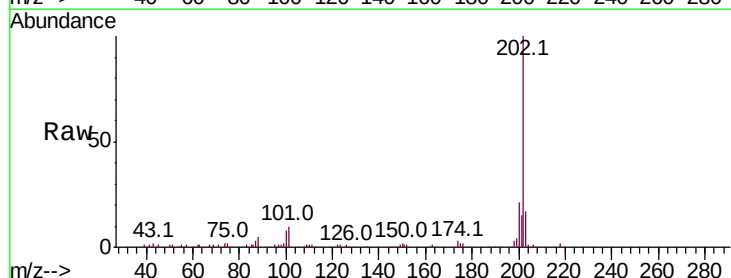
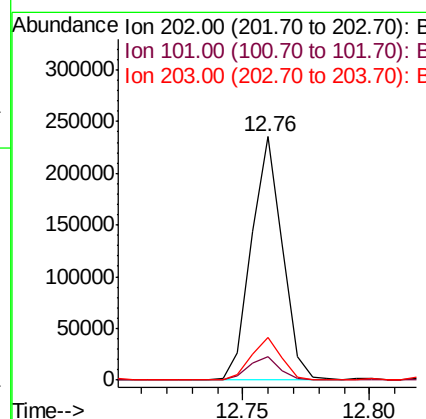
Manual Integrations
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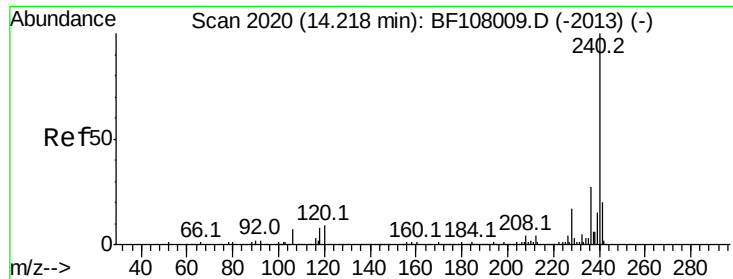
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#74
 Fluoranthene
 Concen: 6.810 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	9.8	0.0	34.1		
203	17.4	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: BF108467.D

Acq: 24 Aug 2018 17:06

Instrument :

BNA_F

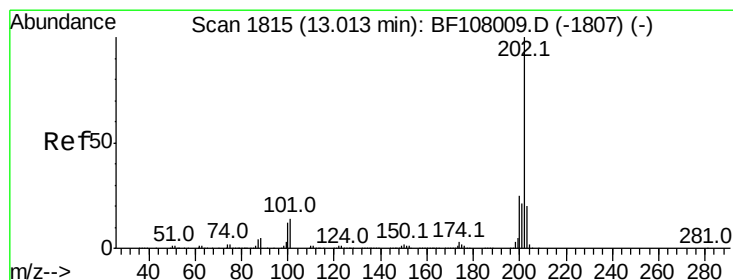
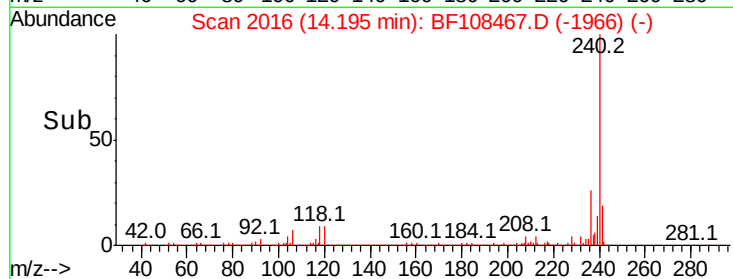
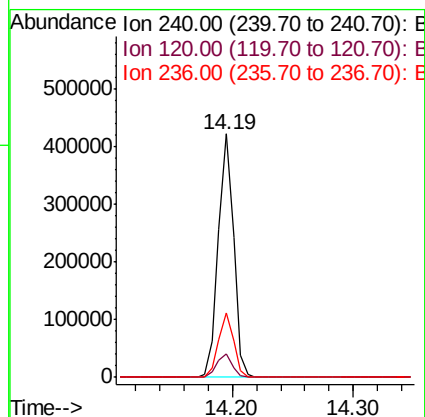
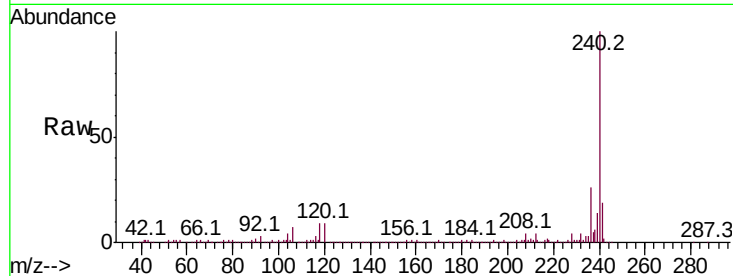
ClientSampled :

EP1-Q3-A2

Tot Ion:	240	Resp:	367599
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.5	14.3#
236	26.5	20.7	31.1

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#77

Pyrene

Concen: 8.204 ng

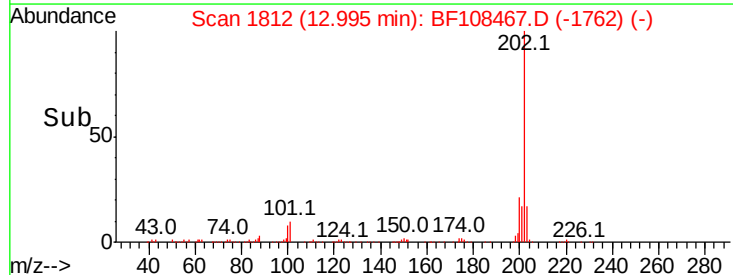
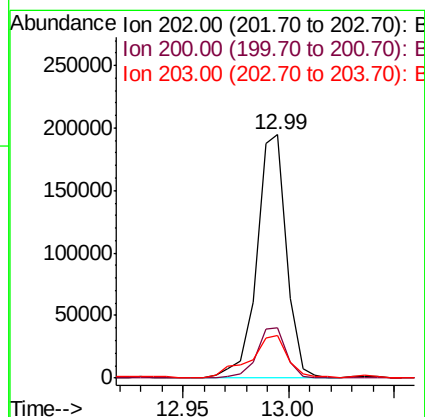
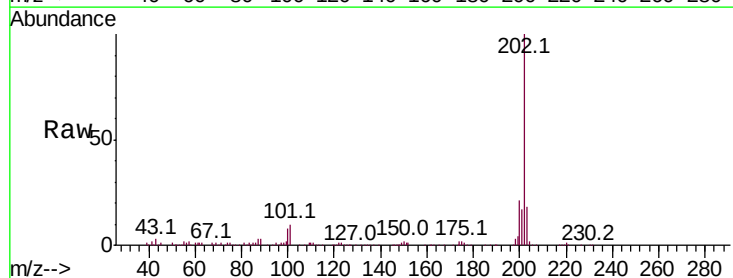
RT: 12.99 min Scan# 1812

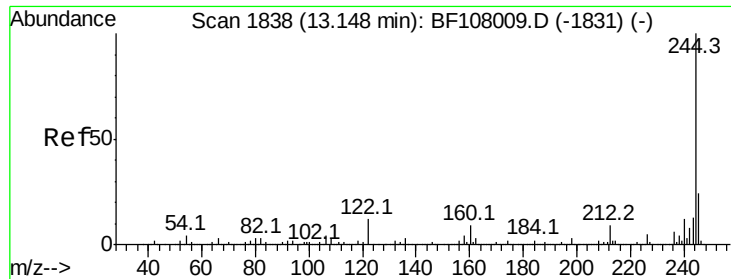
Delta R.T. -0.01 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Tgt Ion:	202	Resp:	190935
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.8	14.3	21.5





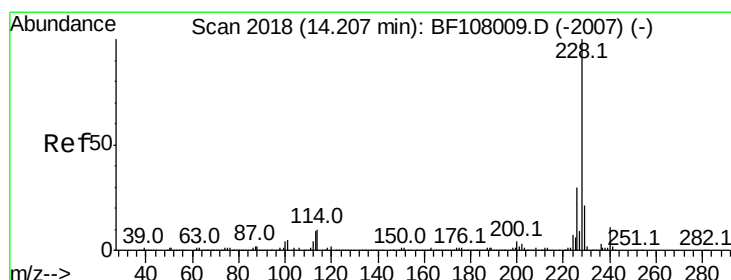
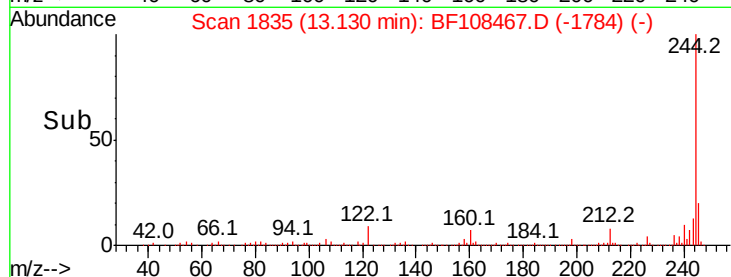
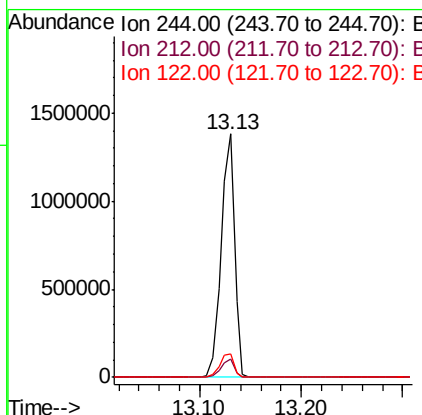
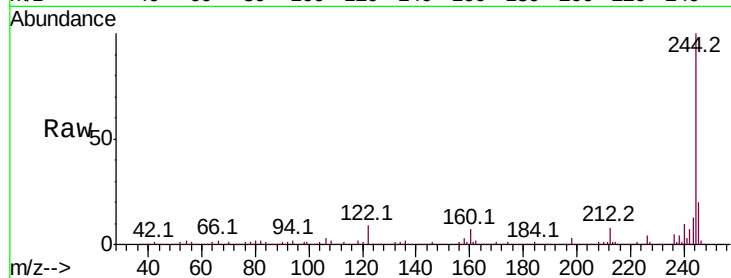
#78
 Terphenyl-d14
 Concen: 87.417 ng
 RT: 13.13 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-A2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	9.5	11.0	16.4

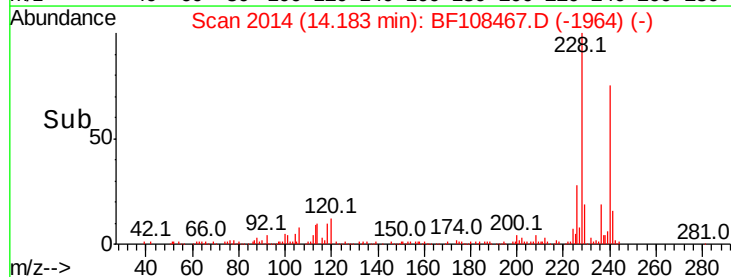
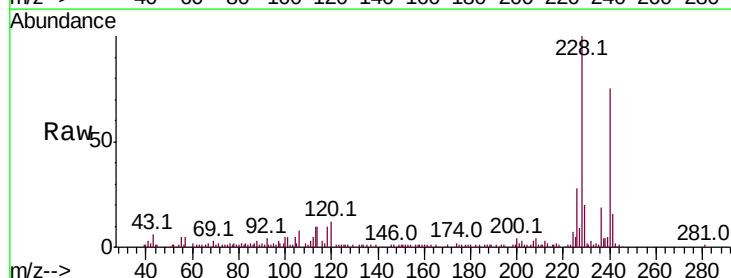
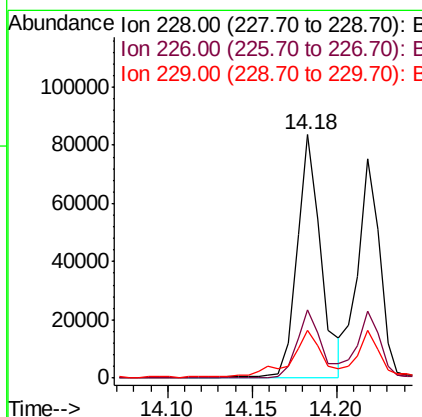
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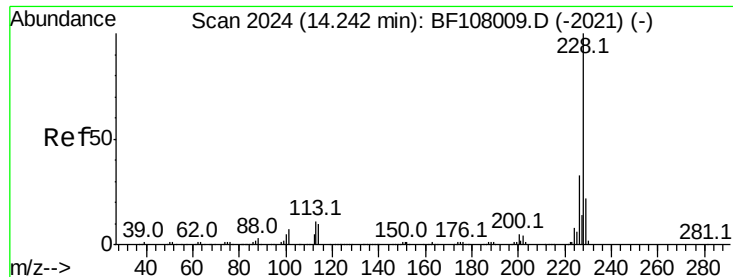
Sohil
 8/27/2018 12:56:37 PM



#80
 Benzo(a)anthracene
 Concen: 3.926 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF108467.D
 Acq: 24 Aug 2018 17:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	19.8	15.8	23.6





#82

Chrysene

Concen: 3.594 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Instrument :

BNA_F

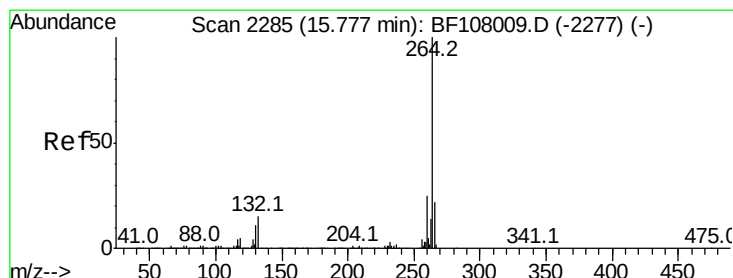
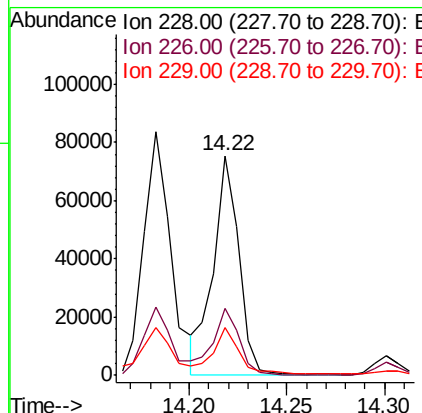
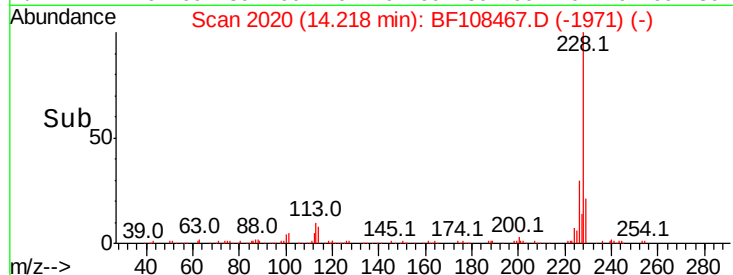
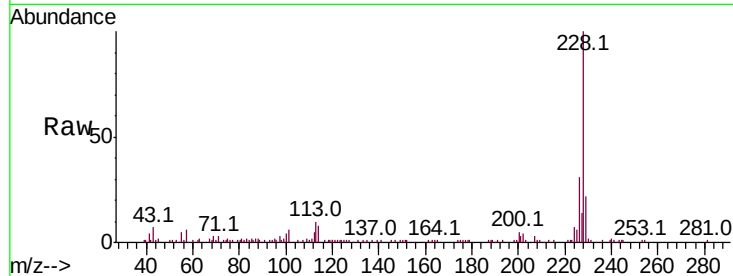
ClientSampled :

EP1-Q3-A2

Tot Ion:	228	Resp:	69509
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	21.8	16.2	24.4

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#86

Perylene-d12

Concen: 20.000 ng

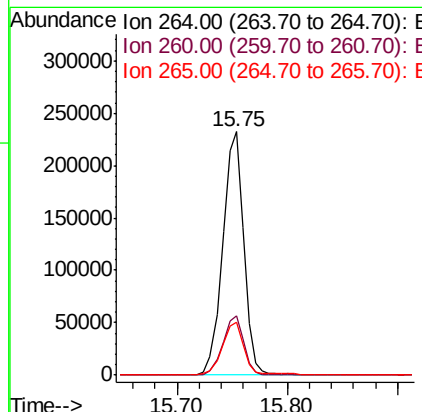
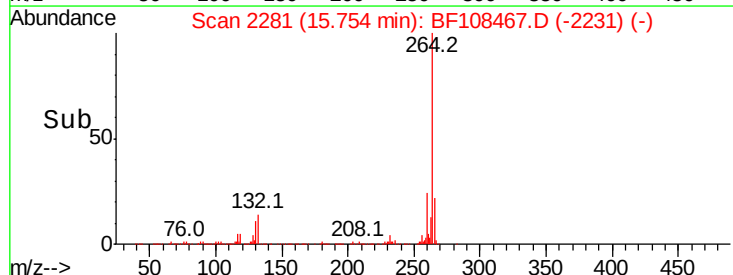
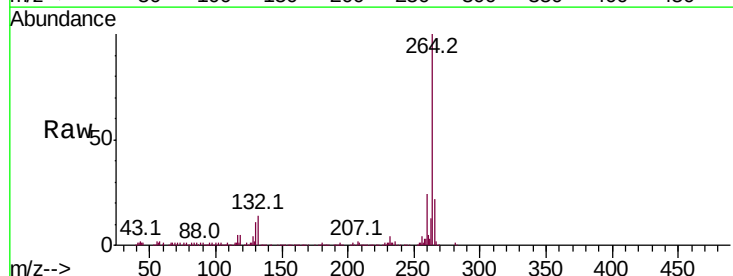
RT: 15.75 min Scan# 2281

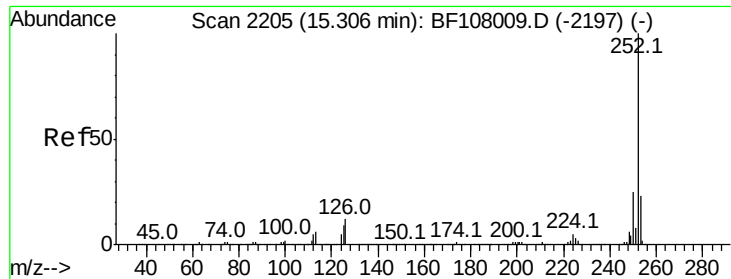
Delta R.T. -0.01 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Tgt Ion:	264	Resp:	308841
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	21.6	17.5	26.3





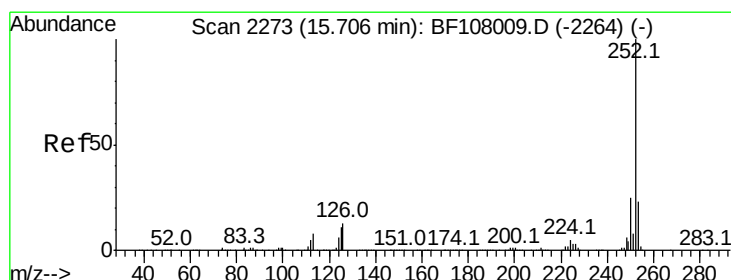
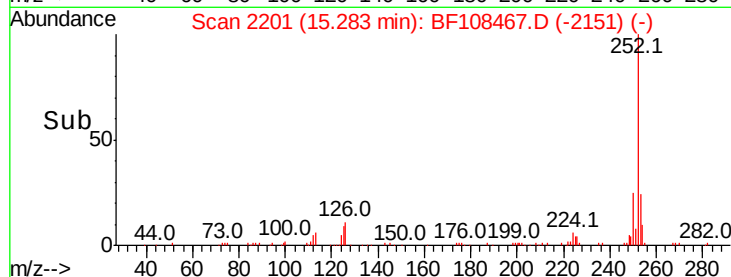
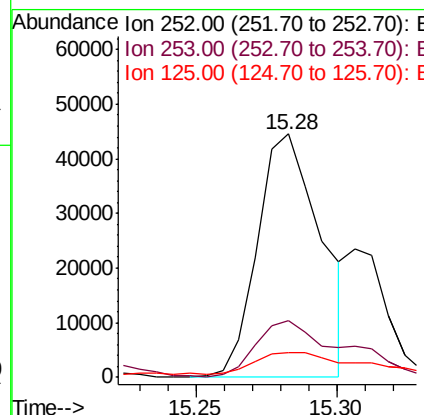
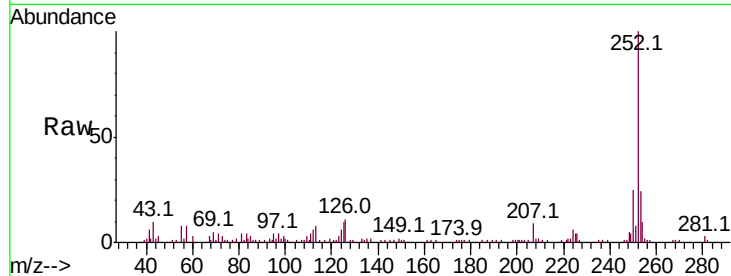
#87
Benzo(b)fluoranthene
Concen: 3.786 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-A2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	10.2	9.0	13.6

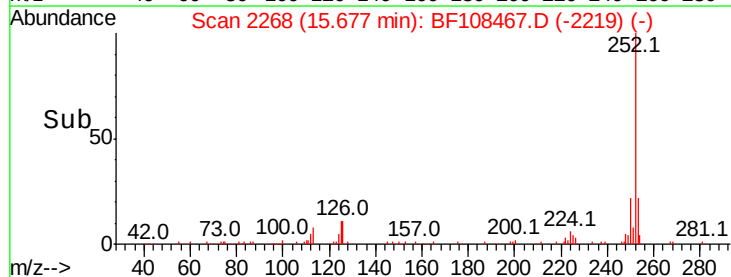
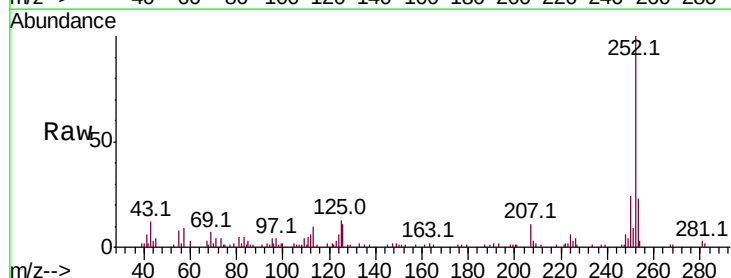
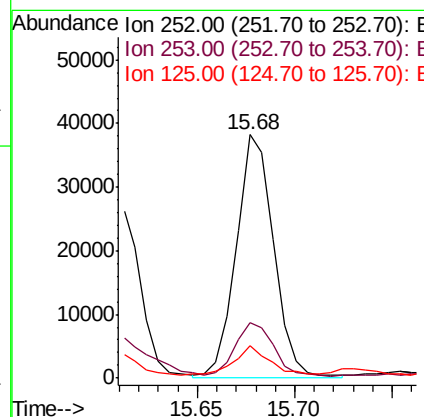
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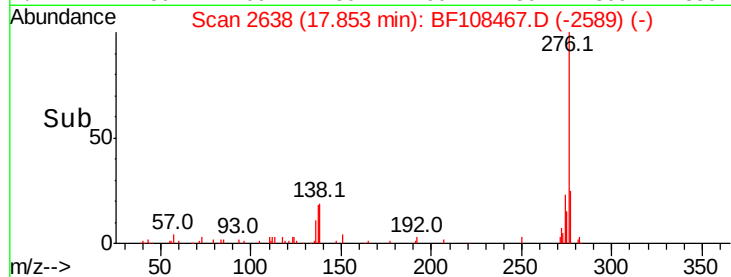
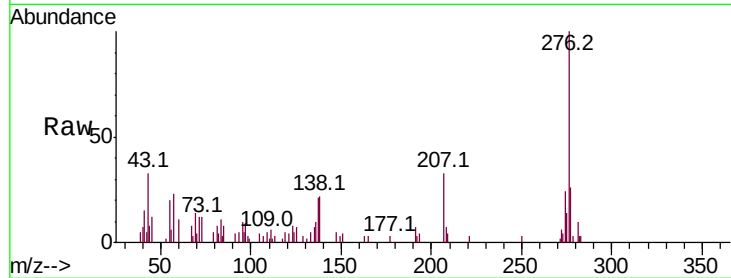
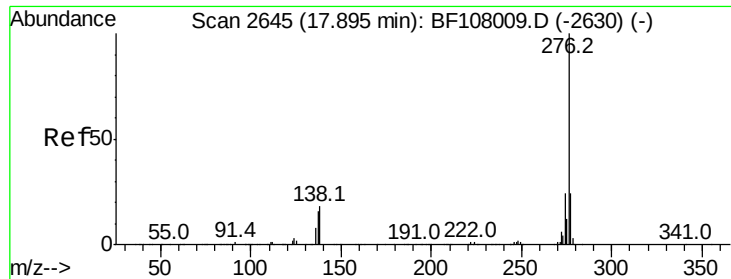
Sohil
8/27/2018 12:56:37 PM



#89
Benzo(a)pyrene
Concen: 3.091 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108467.D
Acq: 24 Aug 2018 17:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.1	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.338 ng

RT: 17.85 min Scan# 2638

Delta R.T. -0.01 min

Lab File: BF108467.D

Acq: 24 Aug 2018 17:06

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-A2

Tot Ion: 276 Resp: 31476

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 21.6 21.8 32.8#

Manual Integrations

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Sohil

8/27/2018 12:56:37 PM

