

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107955.D
 Acq On : 3 Aug 2018 23:10
 Operator : JU/SJ
 Sample : J4310-07 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-4

Manual Integrations
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Sohil
 8/6/2018 5:05:53 PM

Quant Time: Aug 04 05:28:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	99776	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	524218	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	217907	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	385224	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	348311	20.00	ng	-0.01
86) Perylene-d12	15.67	264	350019	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.84	112	38009m	6.47	ng	0.25
7) Phenol-d6	6.70	99	100255m	12.96	ng	0.09
23) Nitrobenzene-d5	7.58	82	27601	3.03	ng	0.05
41) 2,4,6-Tribromophenol	10.80	330	25477	8.60	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	173120	11.07	ng	-0.01
78) Terphenyl-d14	13.07	244	154666	9.63	ng	-0.01
Target Compounds						
70) Phenanthrene	11.51	178	66118	3.615	ng	98
74) Fluoranthene	12.71	202	117810	5.482	ng	97
77) Pyrene	12.94	202	106079	4.229	ng	97
80) Benzo(a)anthracene	14.13	228	61957	3.140	ng	96
82) Chrysene	14.17	228	62308	2.928	ng	98
87) Benzo(b)fluoranthene	15.22	252	58104m	3.366	ng	
89) Benzo(a)pyrene	15.61	252	51944	2.915	ng	94

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

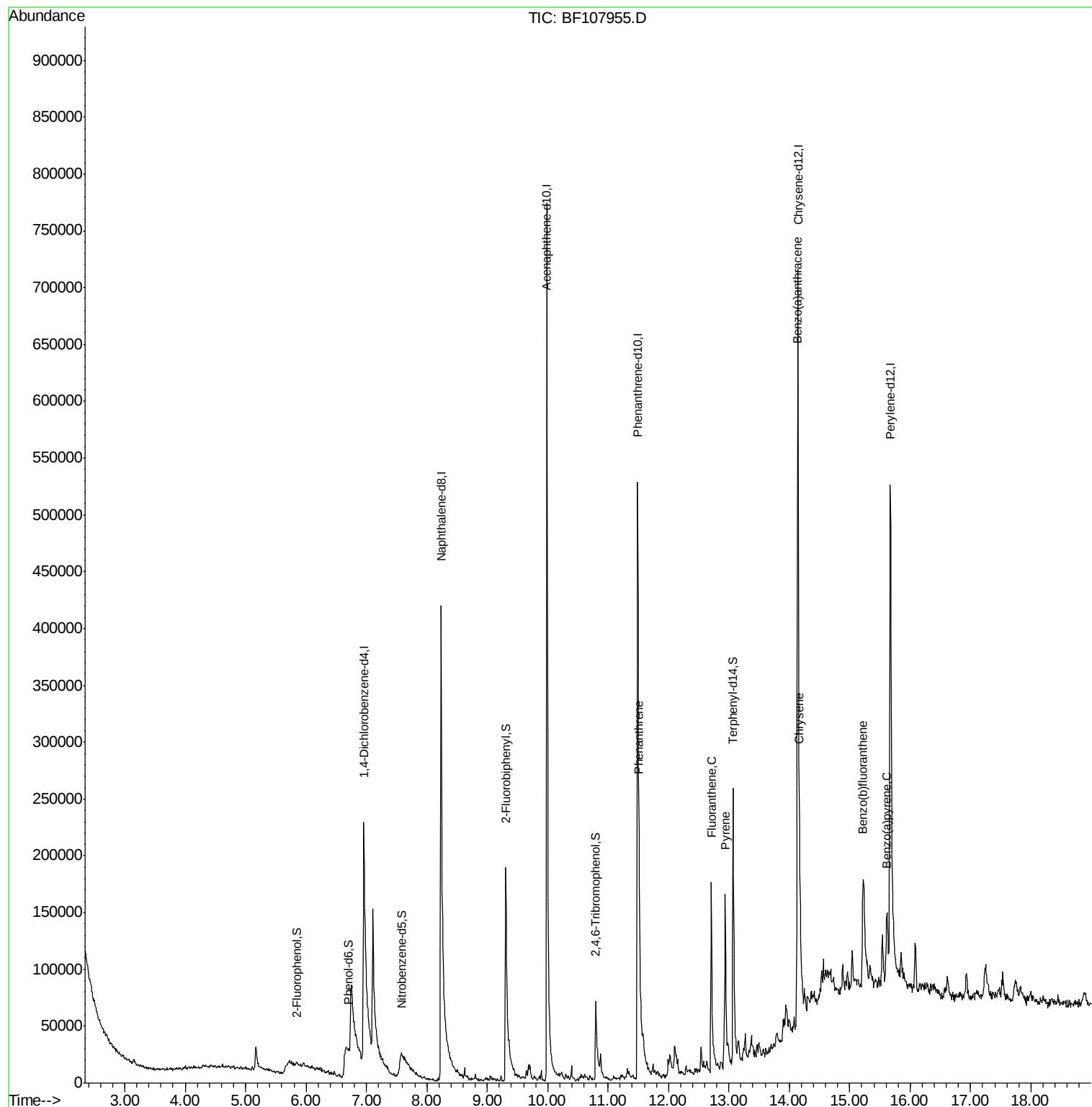
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

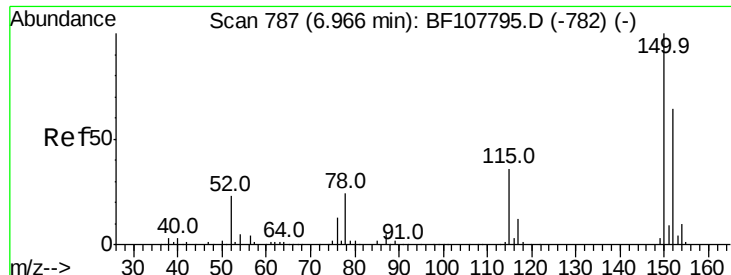
Instrument :
BNA_F
ClientSampled :
C-4

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration





#1

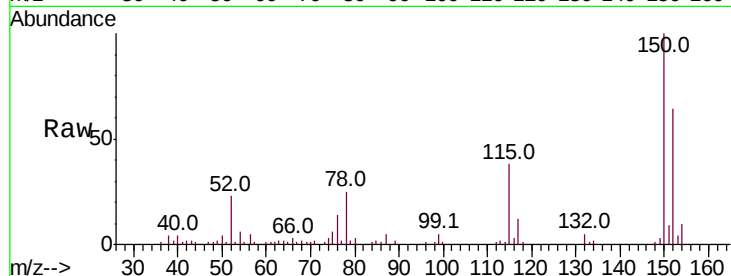
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Instrument :
BNA_F
ClientSampled :
C-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	59.3	50.1	75.1

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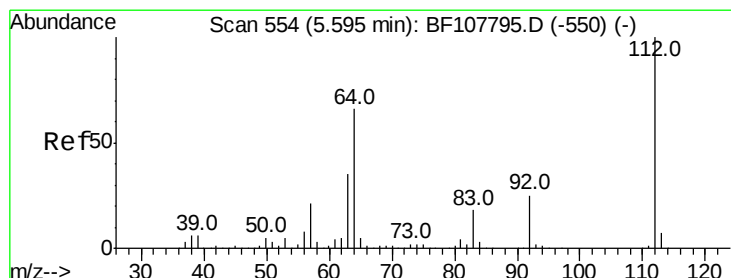
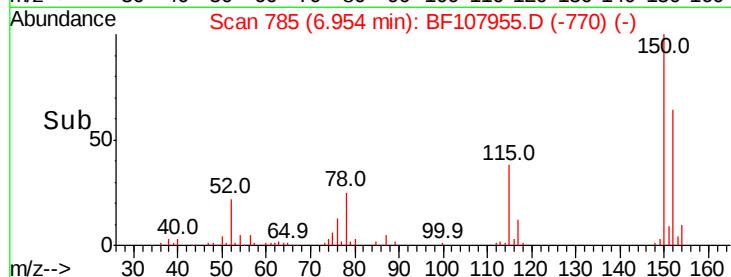
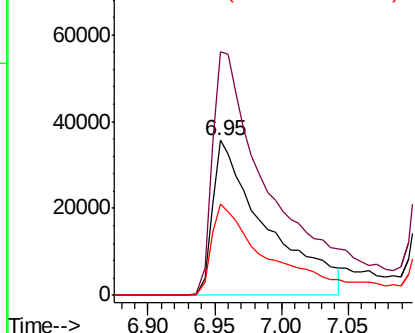


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

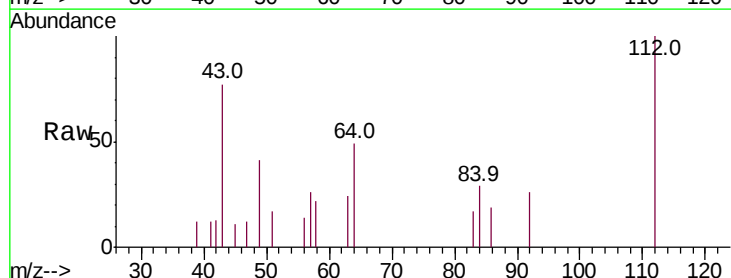
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.474 ng m
RT: 5.84 min Scan# 596
Delta R.T. 0.25 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.3	47.9	71.9
63	24.5	23.7	35.5

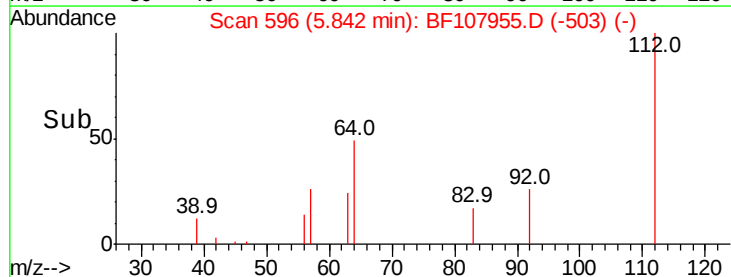
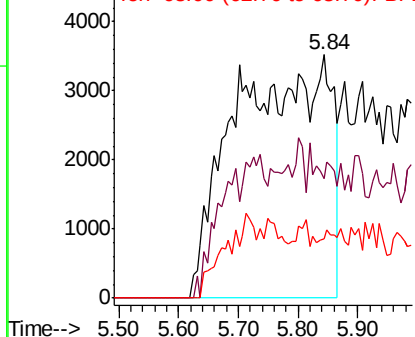


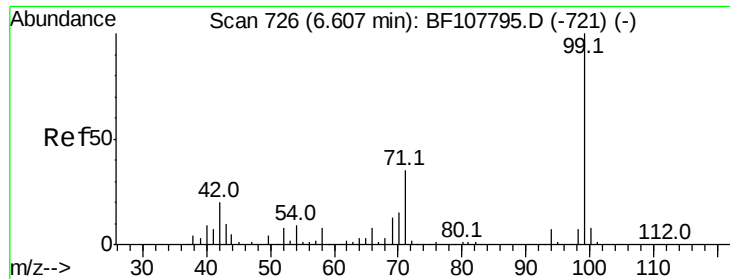
Abundance

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

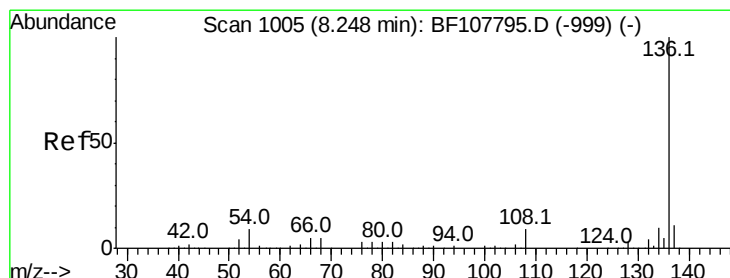
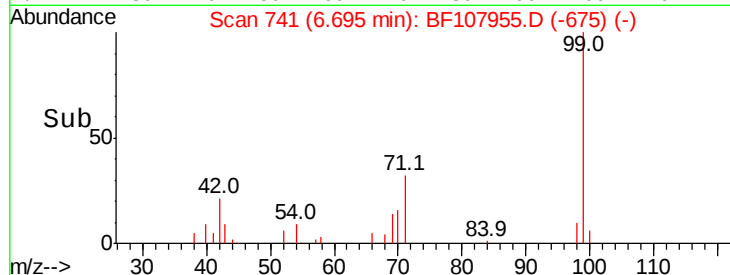
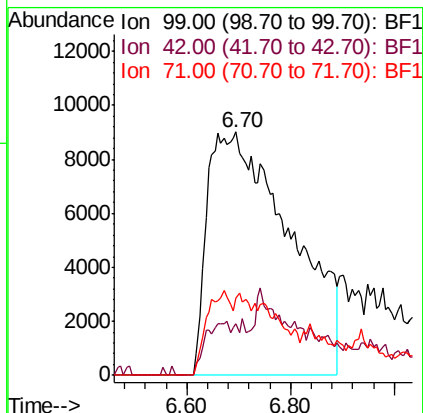
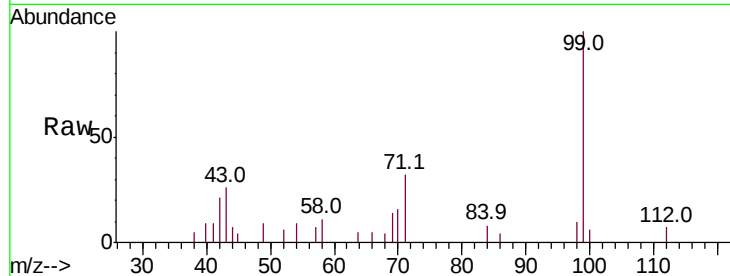
Concen: 12.957 ng/mL
 RT: 6.70 min Scan# 741
 Delta R.T. 0.09 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Instrument :
 BNA_F
 ClientSampleID :
 C-4

Tot Ion	Ratio	Lower	Upper
99	100		
42	21.4	14.5	21.7
71	31.5	25.4	38.0

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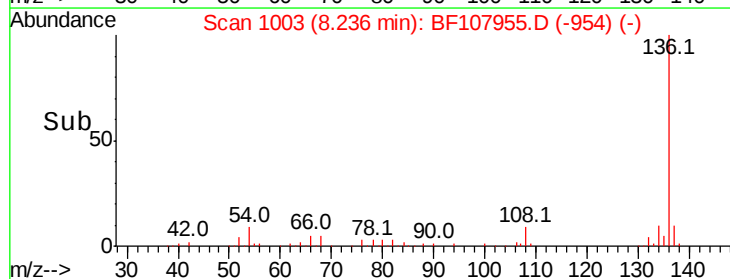
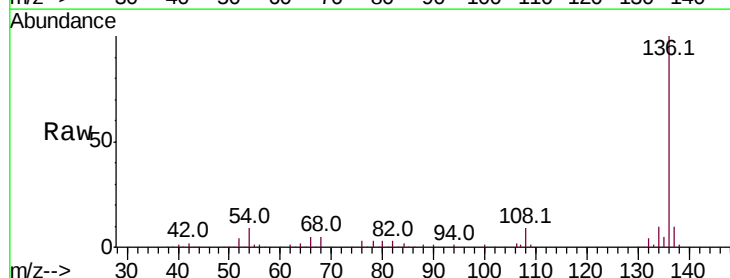
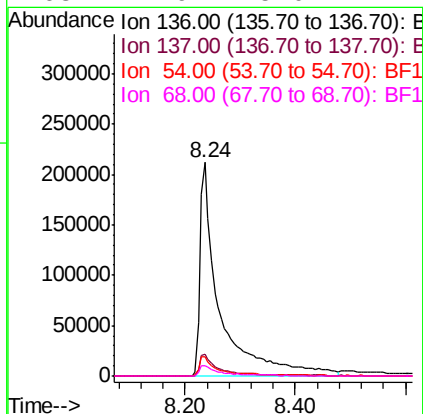


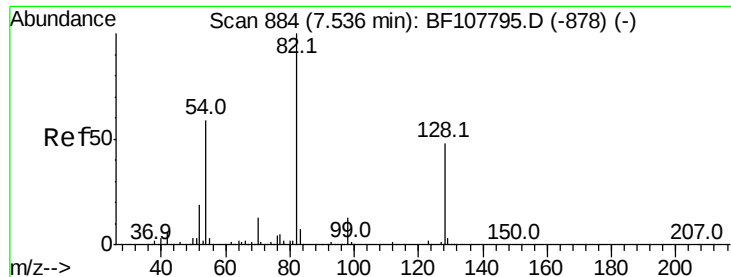
#21

Naphthalene-d8

Concen: 20.000 ng/mL
 RT: 8.24 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	9.0	6.6	9.8
68	4.9	5.0	7.4





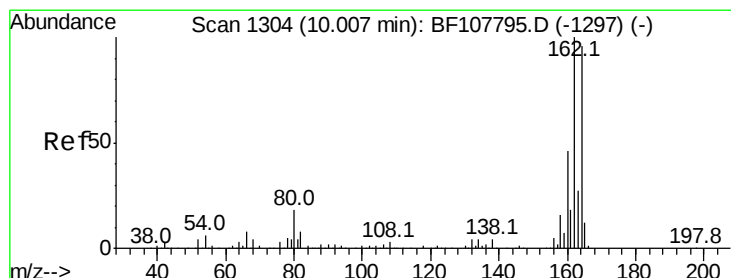
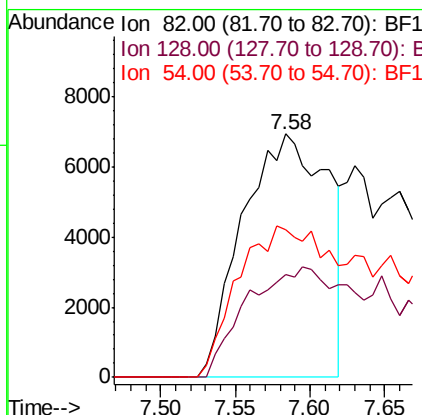
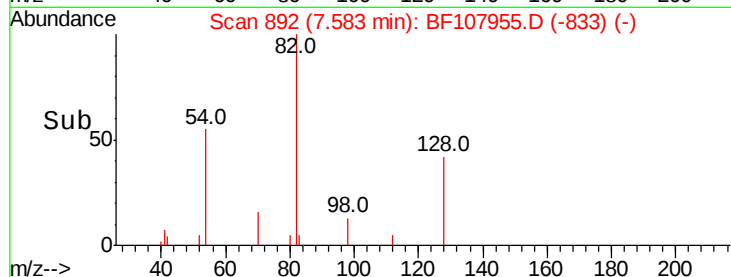
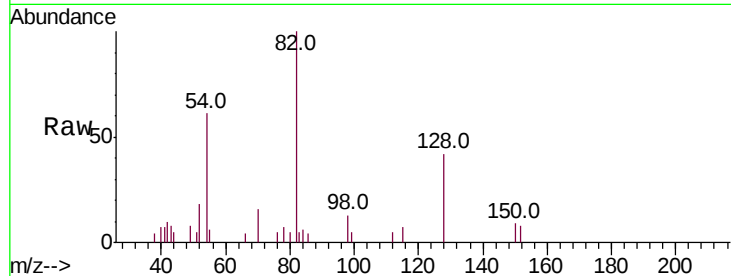
#23
Nitrobenzene-d5
Concen: 3.033 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.05 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Instrument :
BNA_F
ClientSampled :
C-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	36.1	54.1
54	60.7	41.4	62.2

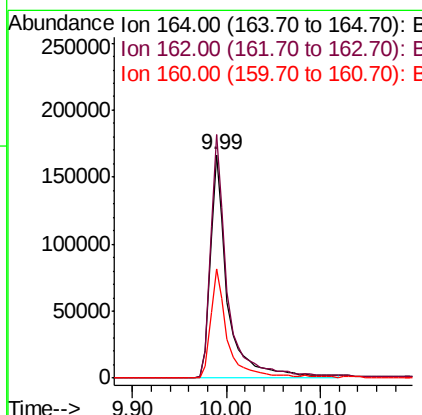
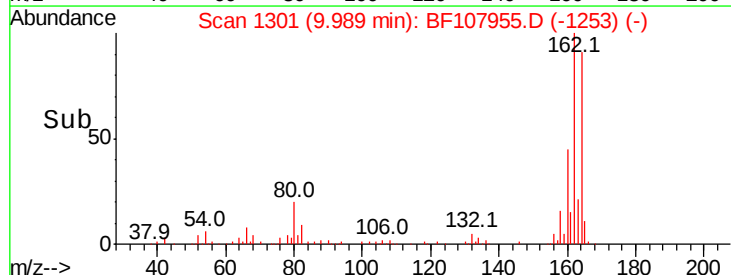
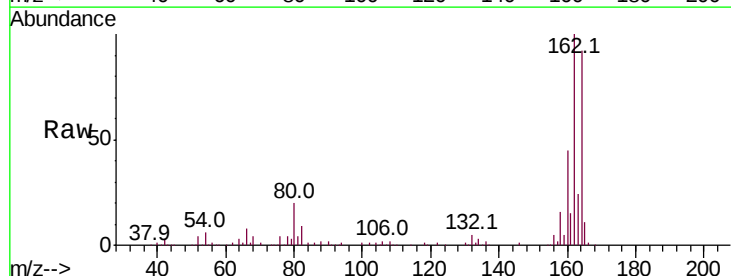
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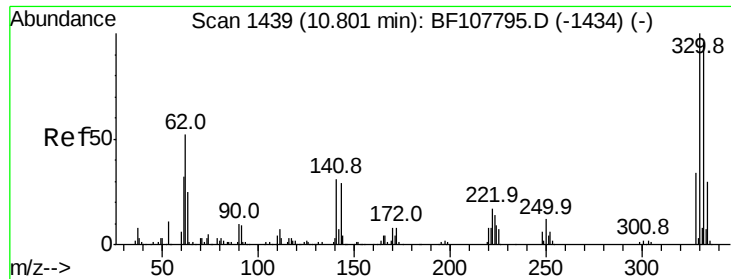
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.1	86.1	129.1
160	49.1	38.3	57.5





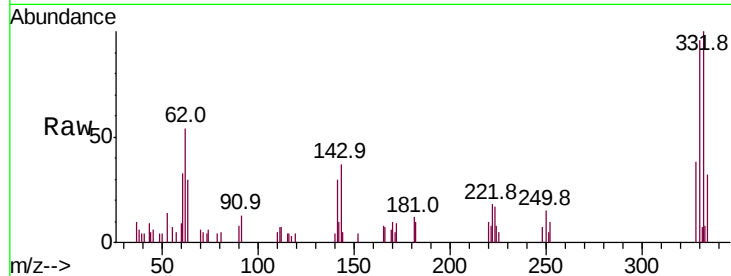
#41
 2,4,6-Tribromophenol
 Concen: 8.604 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Instrument :
 BNA_F
 ClientSampled :
 C-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.7	77.0	115.6
141	28.9	29.9	44.9#

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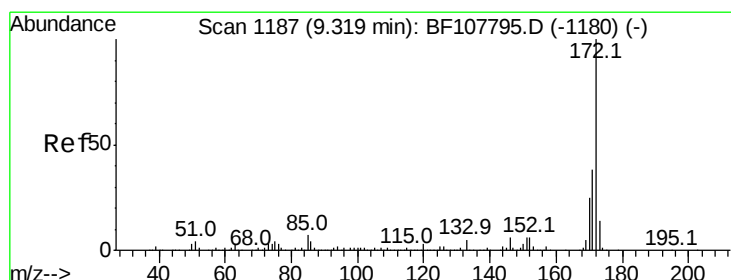
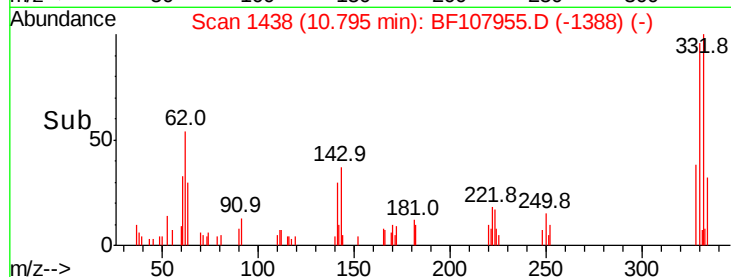
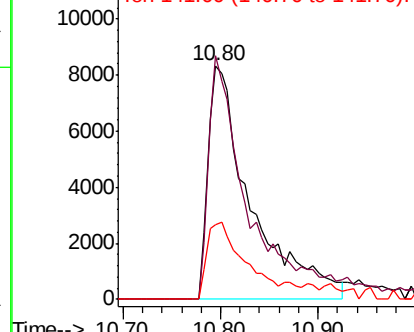


Abundance

Ion 329.80 (329.50 to 330.50): E

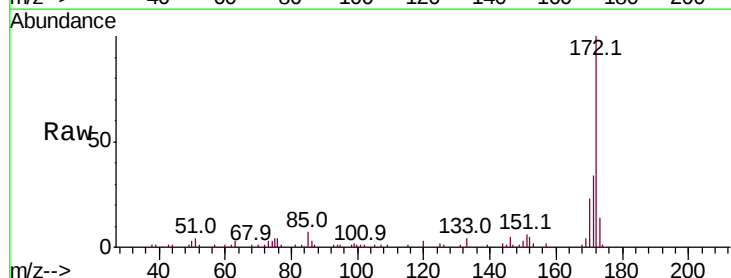
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 11.071 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.7	44.5
170	22.9	19.6	29.4

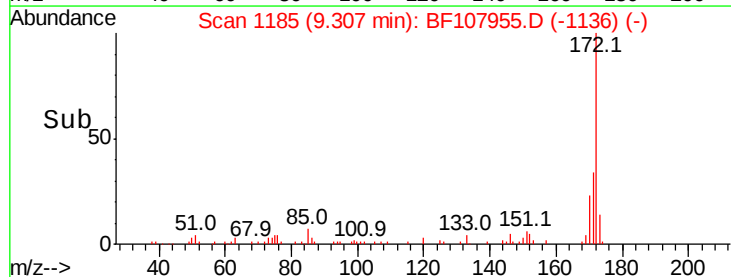
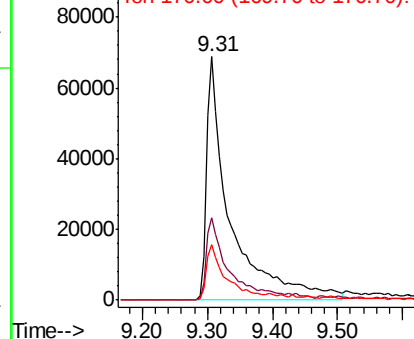


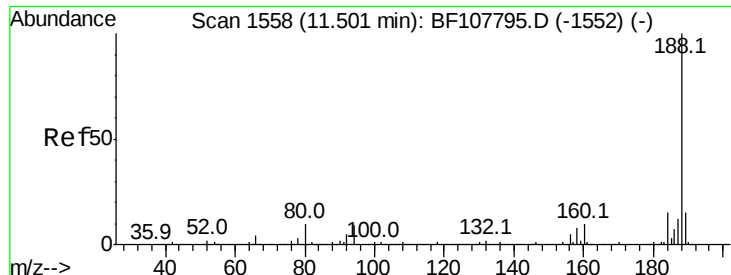
Abundance

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





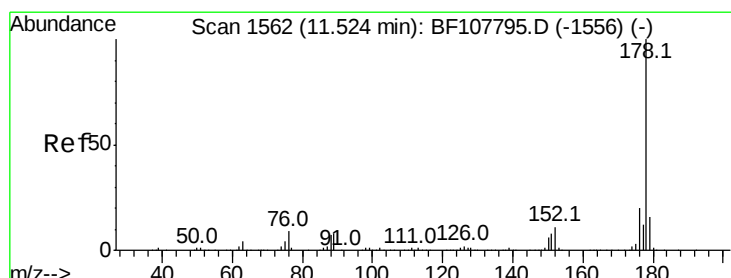
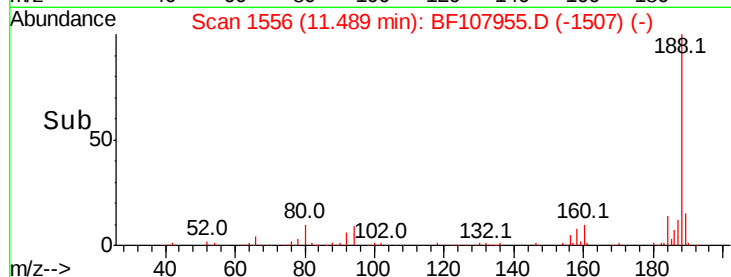
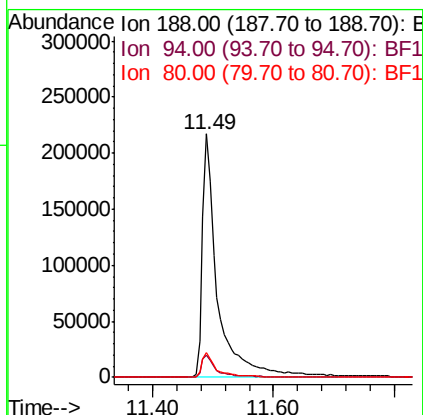
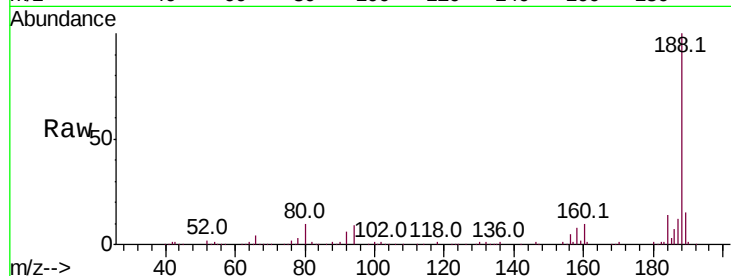
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Instrument :
BNA_F
ClientSampled :
C-4

Tot Ion	188	Resp	385224
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.5	12.7
80	10.2	9.2	13.8

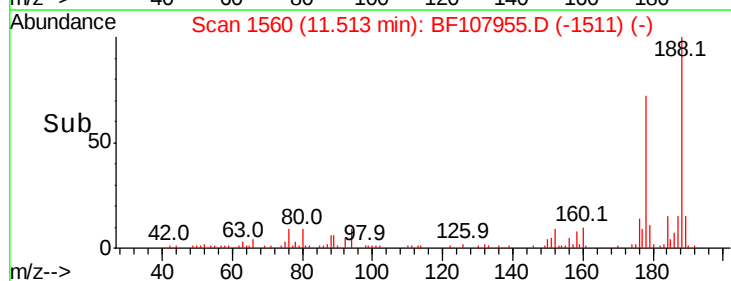
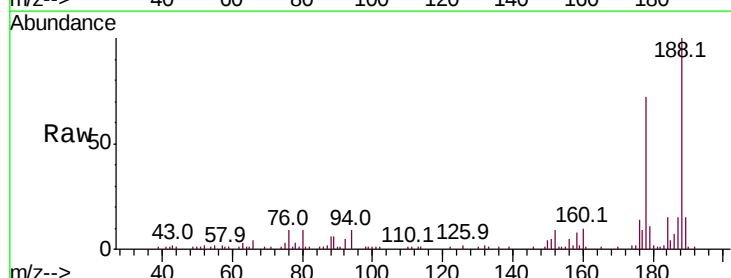
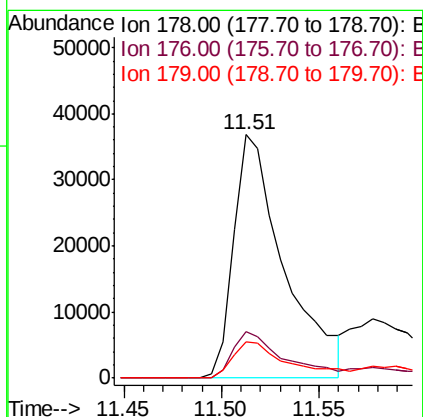
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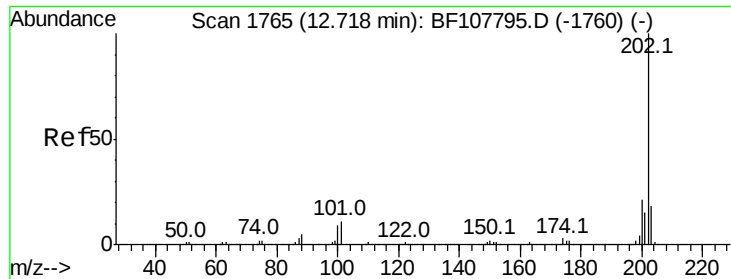
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#70
Phenanthrene
Concen: 3.615 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Tgt Ion	178	Resp	66118
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.8
179	15.1	13.0	19.6





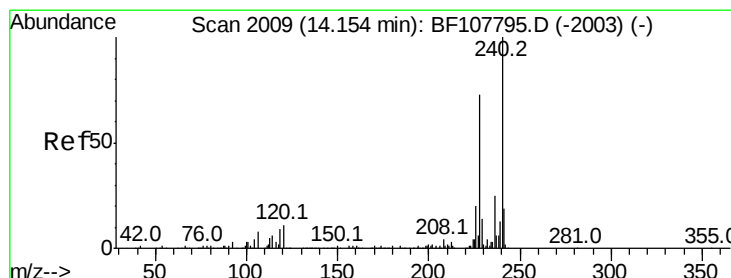
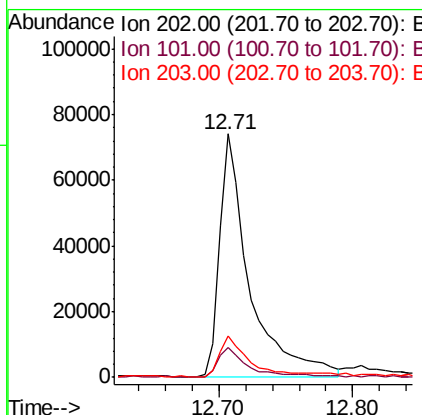
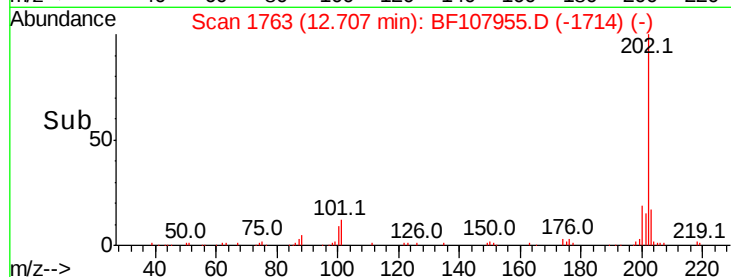
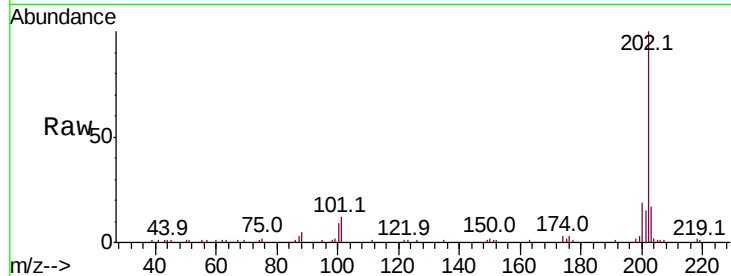
#74
 Fluoranthene
 Concen: 5.482 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Instrument :
 BNA_F
 ClientSampled :
 C-4

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.1	0.0	34.1	
203	17.1	0.0	38.1	

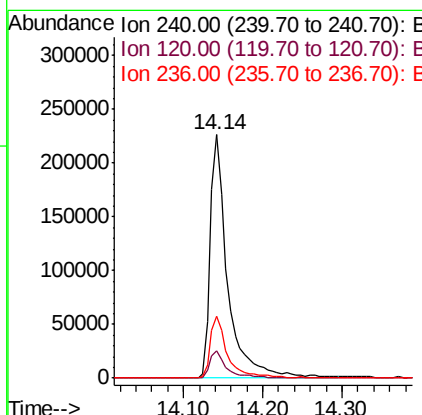
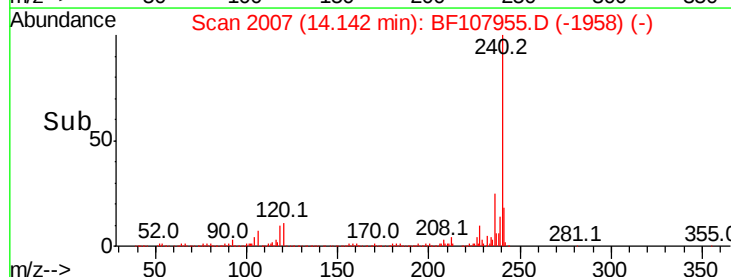
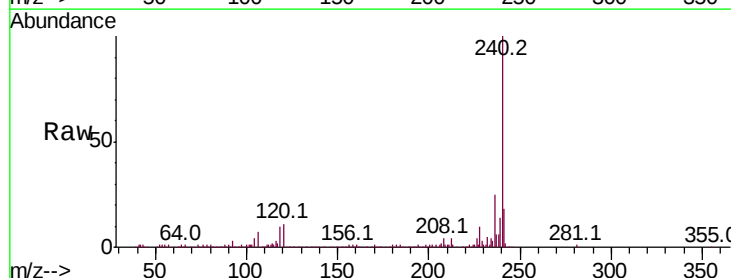
Manual Integrations
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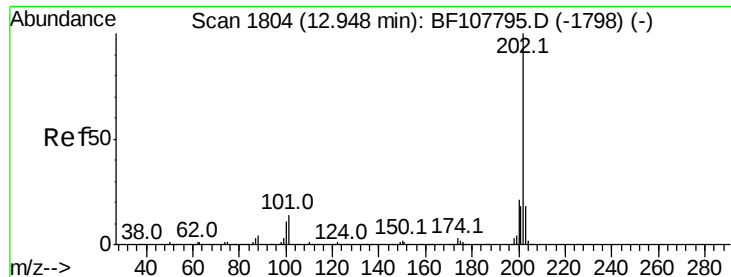
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.2	9.5	14.3	
236	25.4	20.7	31.1	





#77

Pvrene

Concen: 4.229 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

Instrument :

BNA_F

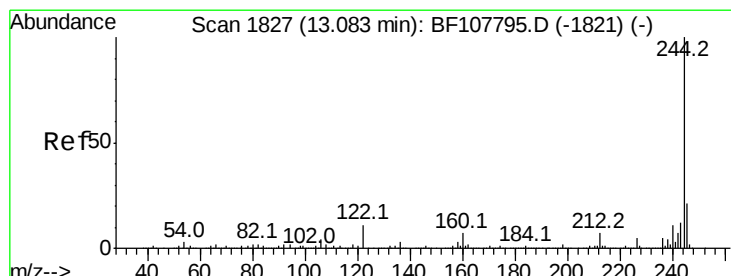
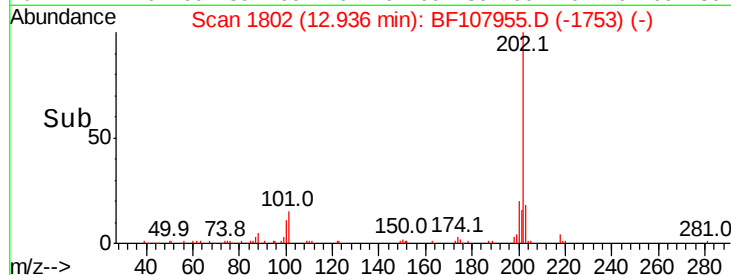
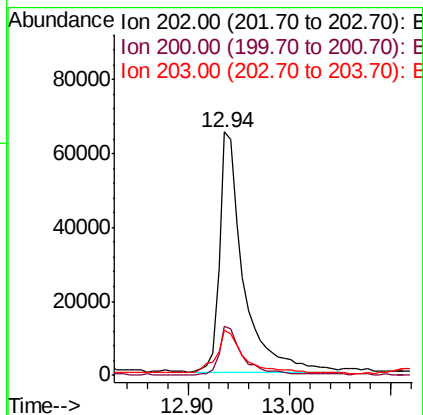
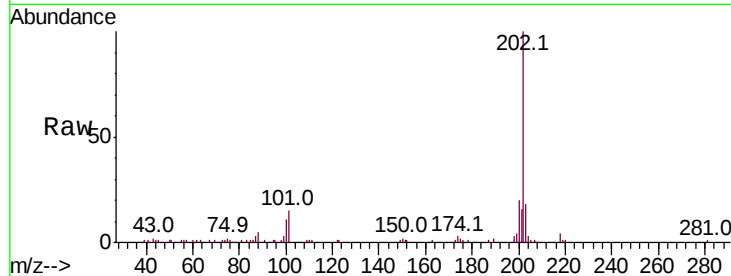
ClientSampled :

C-4

Tot Ion:	202	Resp:	106079
Ion Ratio	Lower	Upper	
202	100		
200	19.9	17.4	26.2
203	18.5	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 9.629 ng

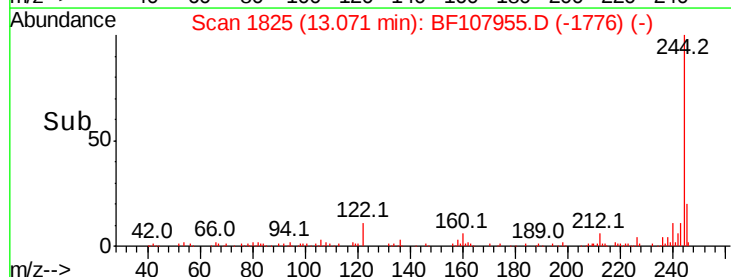
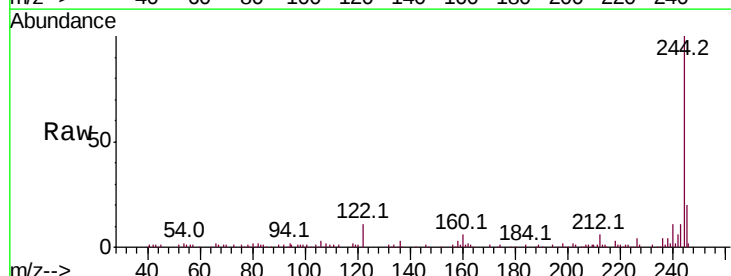
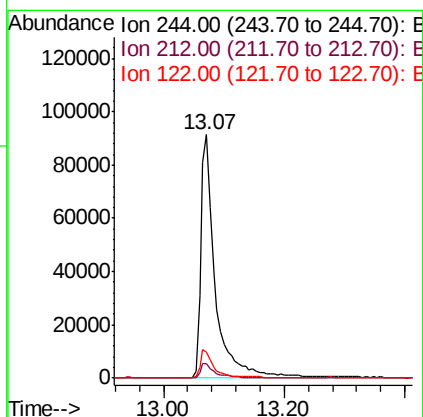
RT: 13.07 min Scan# 1825

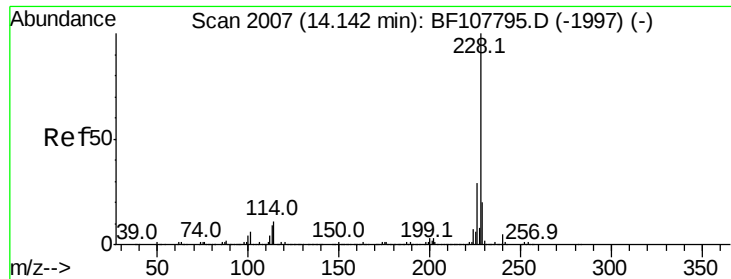
Delta R.T. -0.01 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

Tgt Ion:	244	Resp:	154666
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.4	8.0
122	10.7	11.0	16.4#





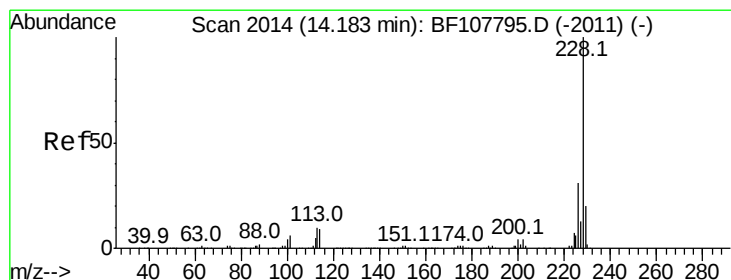
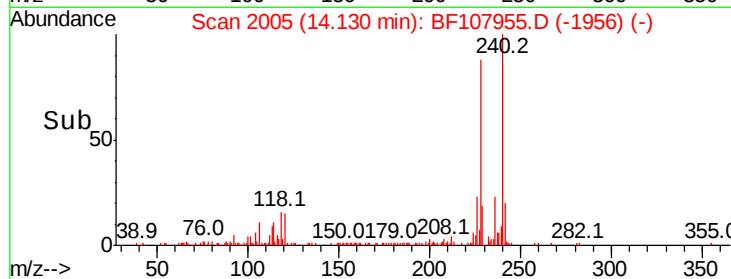
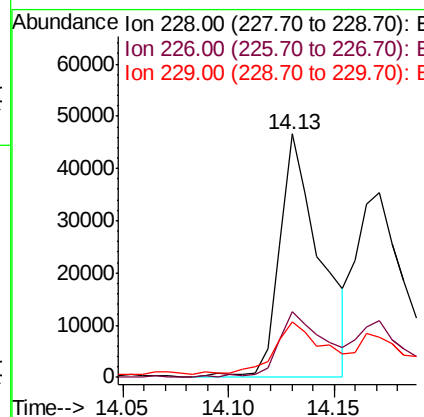
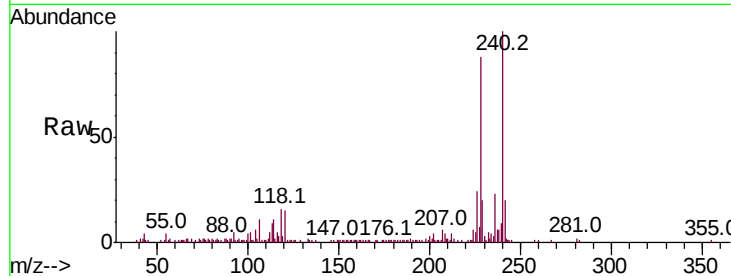
#80
Benzo(a)anthracene
Concen: 3.140 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Instrument :
BNA_F
ClientSampleId :
C-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.6	33.8
229	22.6	15.8	23.6

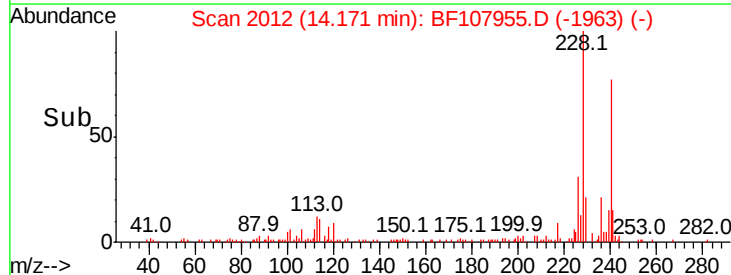
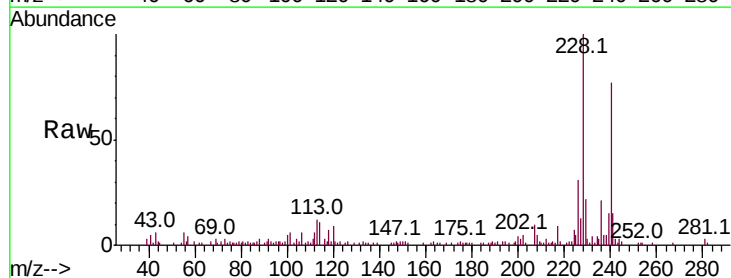
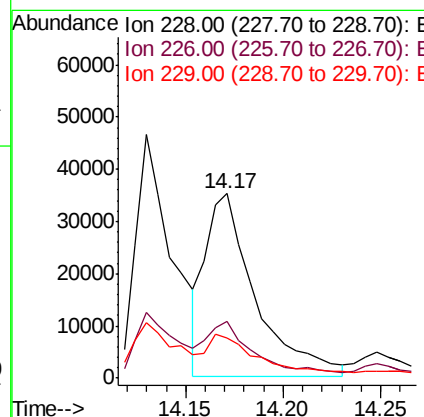
Manual Integrations
APPROVED

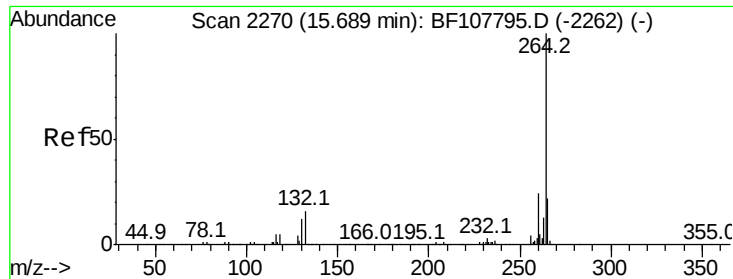
Sohil
8/6/2018 5:05:53 PM



#82
Chrysene
Concen: 2.928 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.0	16.2	24.4





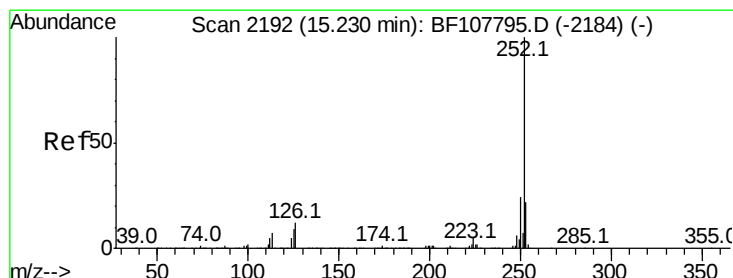
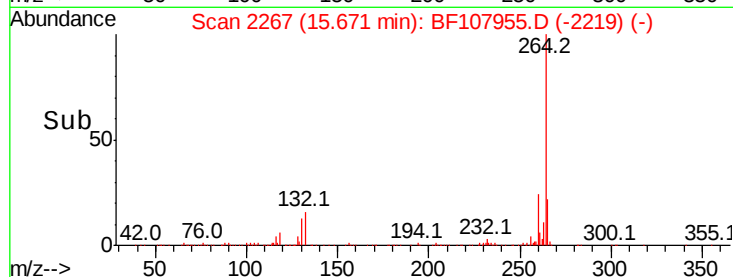
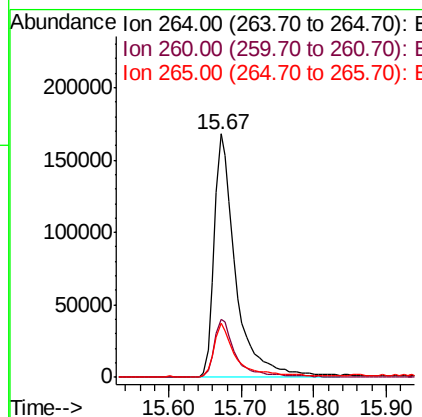
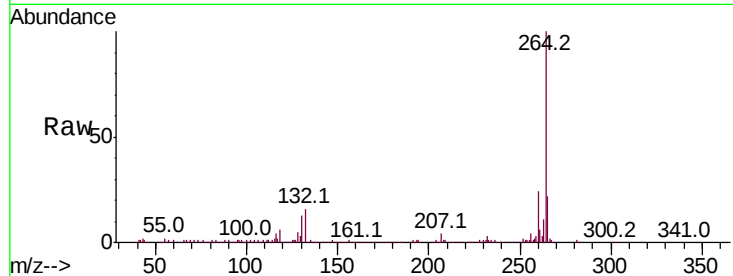
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Instrument :
BNA_F
ClientSampled :
C-4

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.0	19.2	28.8	
265	22.3	17.5	26.3	

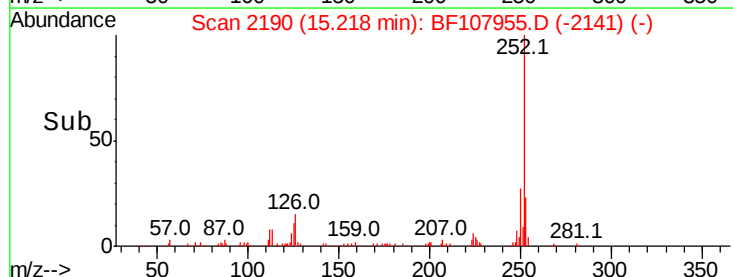
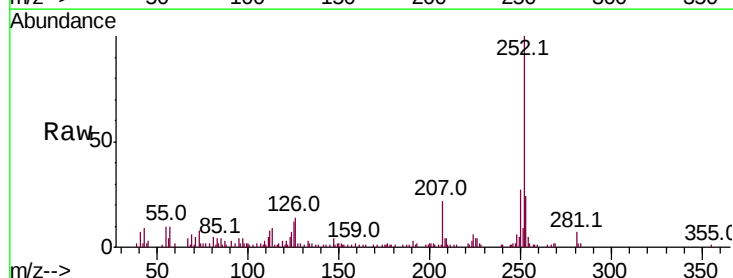
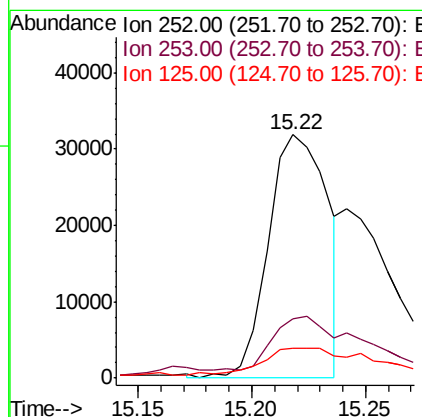
Manual Integrations
APPROVED

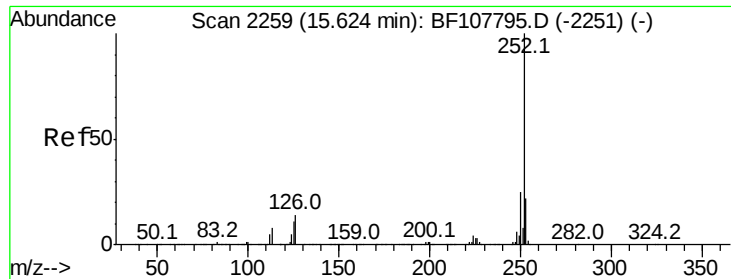
Sohil
8/6/2018 5:05:53 PM



#87
Benzo(b)fluoranthene
Concen: 3.366 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.5	17.0	25.6	
125	12.3	9.0	13.6	





#89
 Benzo(a)pyrene
 Concen: 2.915 ng
 RT: 15.61 min Scan# 2257
 Delta R.T. -0.01 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Instrument :
 BNA_F
 ClientSampleId :
 C-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	13.6	9.8	14.6

Manual Integrations
 APPROVED

Sohil
 8/6/2018 5:05:53 PM

