

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108370.D
 Acq On : 22 Aug 2018 6:42
 Operator : JU/SJ
 Sample : J4282-09DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-081718DL

Manual Integrations
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Sohil
 8/22/2018 4:03:32 PM

Quant Time: Aug 22 10:58:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	156318	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	582368	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	255103	20.00	ng	-0.02
63) Phenanthrene-d10	11.55	188	407508	20.00	ng	-0.01
75) Chrysene-d12	14.20	240	353741	20.00	ng	-0.02
86) Perylene-d12	15.76	264	309678	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	95451	11.06	ng	-0.01
7) Phenol-d6	6.61	99	129649	11.30	ng	-0.02
23) Nitrobenzene-d5	7.56	82	79712	7.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	22462	8.83	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	153488	9.66	ng	-0.02
78) Terphenyl-d14	13.13	244	111810	8.04	ng	-0.02
Target Compounds						
51) Acenaphthene	10.08	154	33486	2.326	ng	Qvalue 97
57) Fluorene	10.60	166	50044	3.031	ng	98
70) Phenanthrene	11.57	178	448336	23.326	ng	99
71) Anthracene	11.62	178	148649	7.546	ng	98
74) Fluoranthene	12.77	202	762275	36.339	ng	96
77) Pyrene	13.00	202	656029	29.293	ng	100
80) Benzo(a)anthracene	14.19	228	370018	18.226	ng	99
82) Chrysene	14.22	228	280422	15.067	ng	98
85) Indeno(1,2,3-cd)pyrene	17.36	276	123467	7.656	ng	# 88
87) Benzo(b)fluoranthene	15.29	252	371038m	20.051	ng	
88) Benzo(k)fluoranthene	15.31	252	128745m	7.569	ng	
89) Benzo(a)pyrene	15.69	252	247972	14.965	ng	96
90) Dibenzo(a,h)anthracene	17.37	278	30474m	2.223	ng	
91) Benzo(g,h,i)perylene	17.86	276	112453	8.330	ng	# 92

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

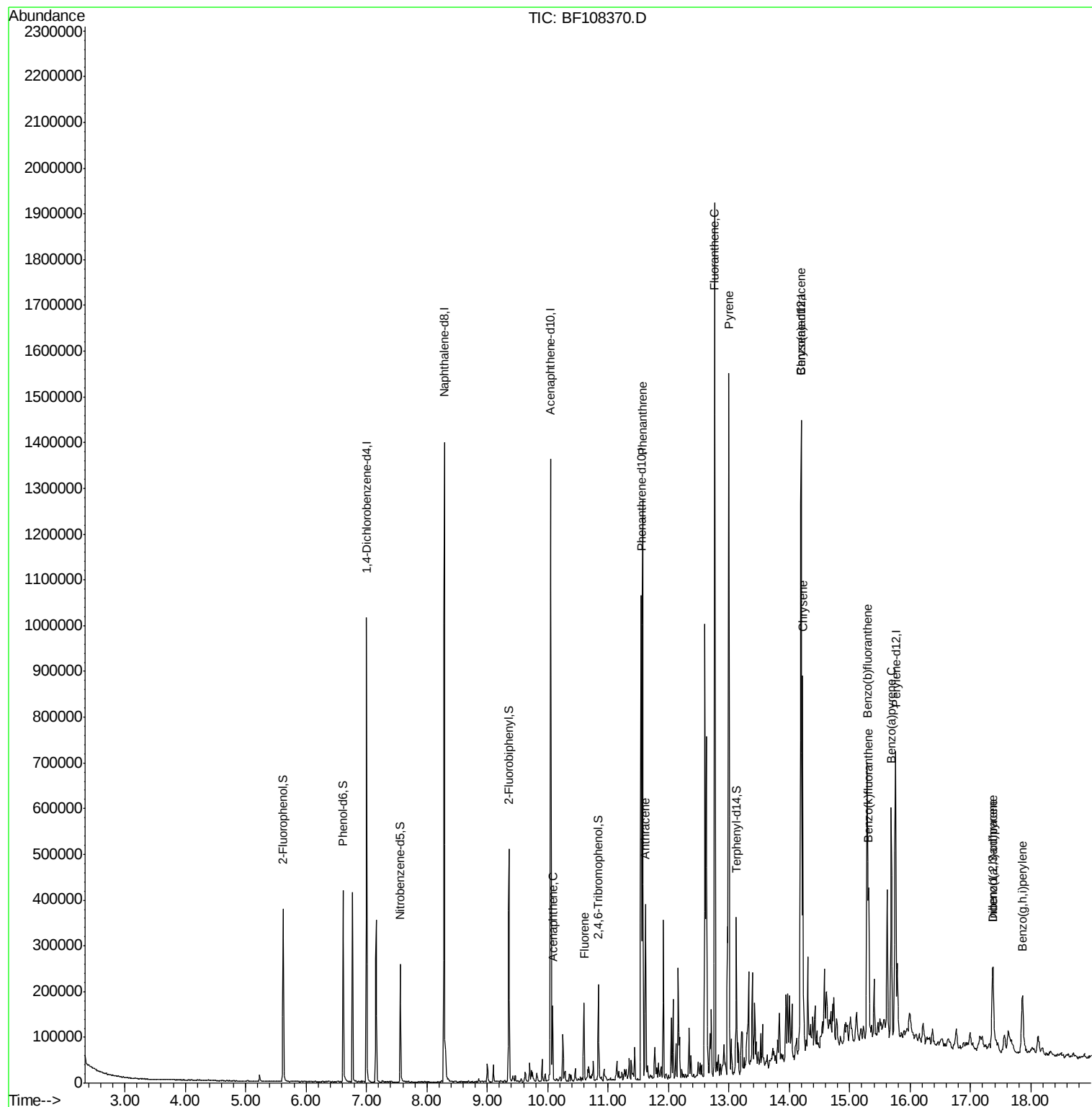
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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#1

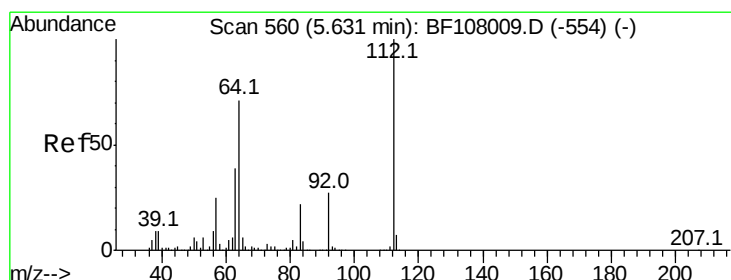
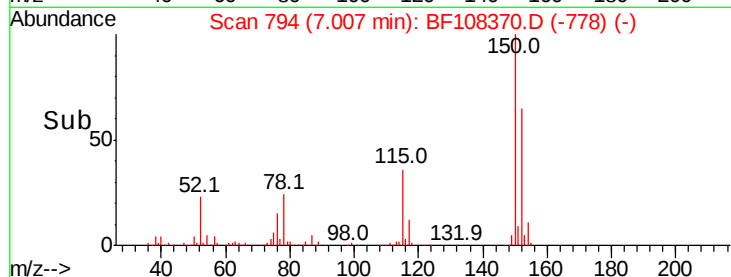
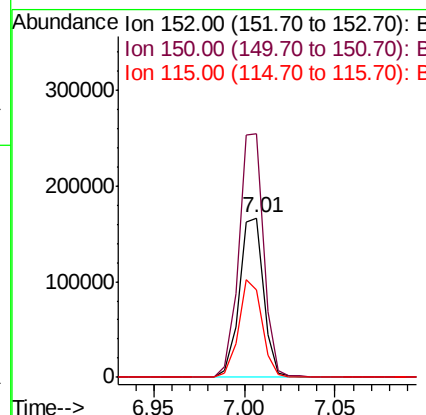
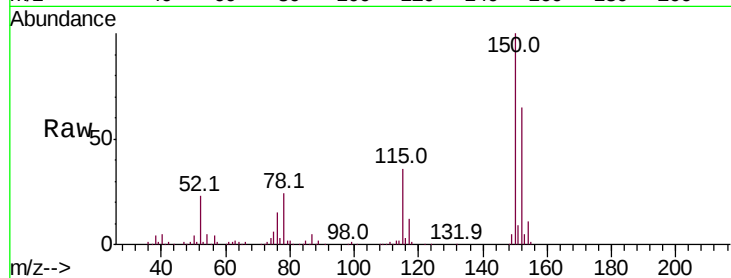
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Instrument :
BNA_F
ClientSampleId :
SU-04-081718DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	55.1	50.1	75.1

Manual Integrations
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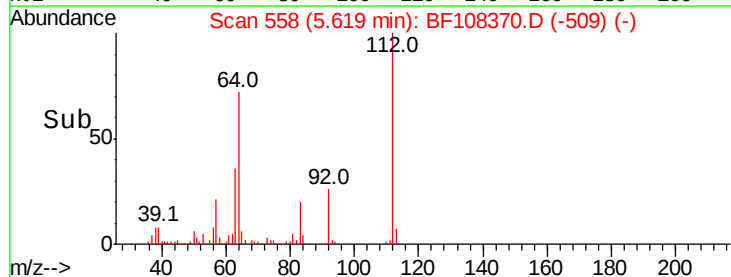
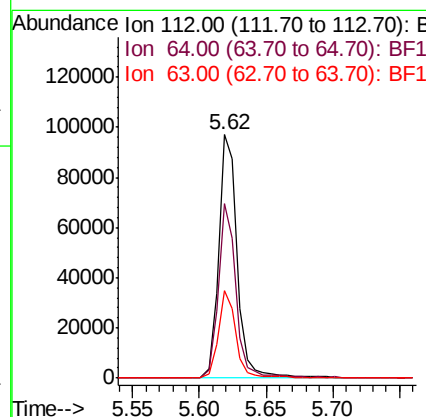
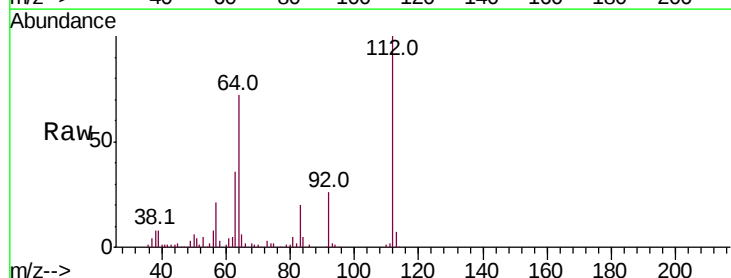
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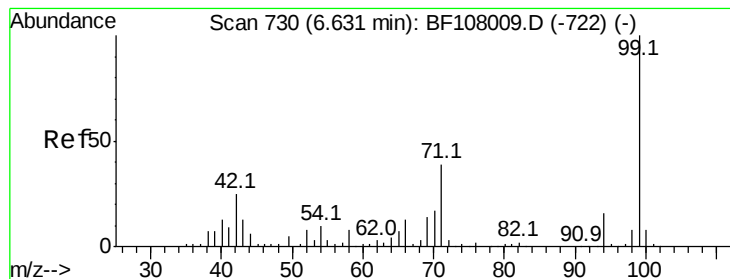


#5

2-Fluorophenol
Concen: 11.055 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.9	47.9	71.9#
63	35.8	23.7	35.5#





#7

Phenol-d6

Concen: 11.300 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108370.D

Acq: 22 Aug 2018 6:42

Instrument :

BNA_F

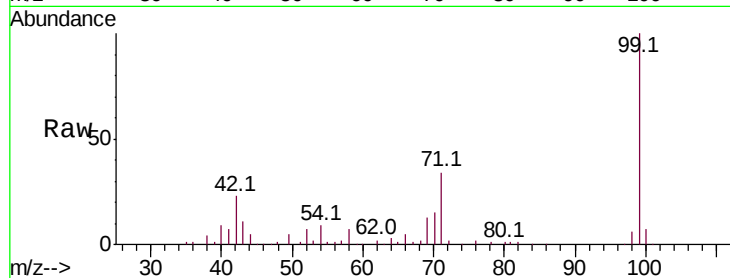
ClientSampled :

SU-04-081718DL

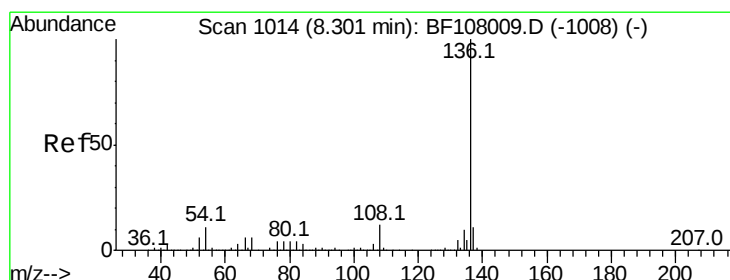
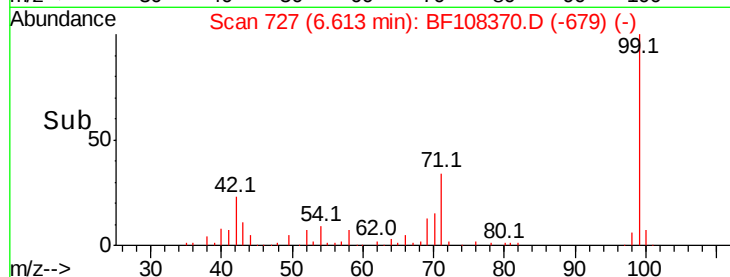
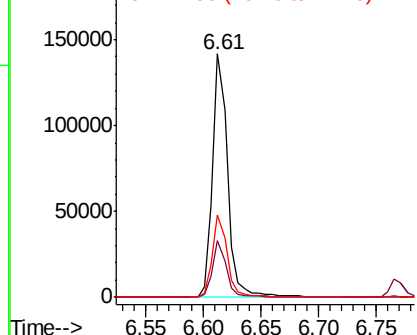
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		129649		
42	23.2	14.5	21.7#		
71	34.0	25.4	38.0		

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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: 8.29 min Scan# 1012

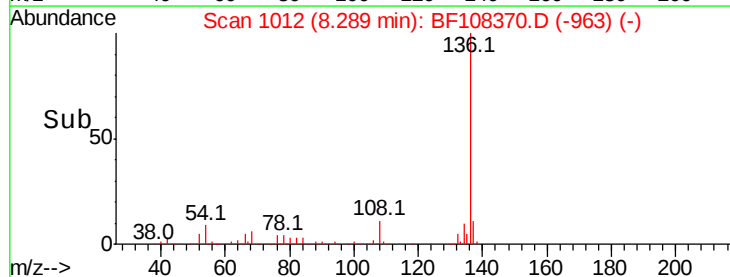
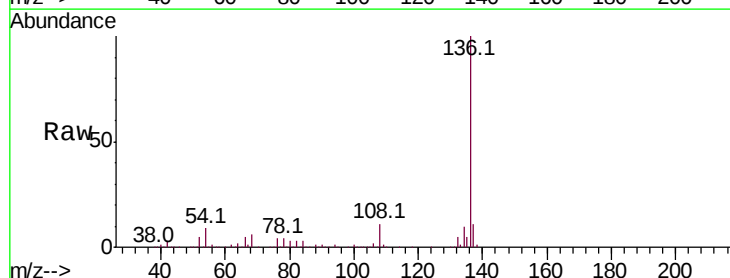
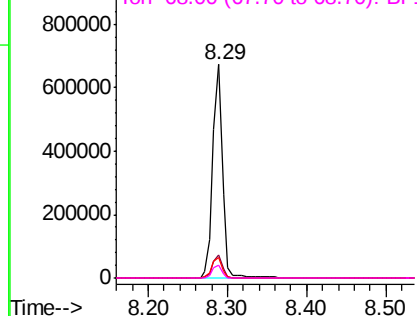
Delta R.T. -0.01 min

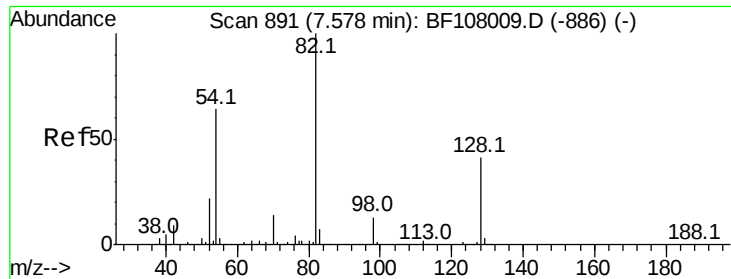
Lab File: BF108370.D

Acq: 22 Aug 2018 6:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		582368		
137	11.1	8.9	13.3		
54	9.4	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





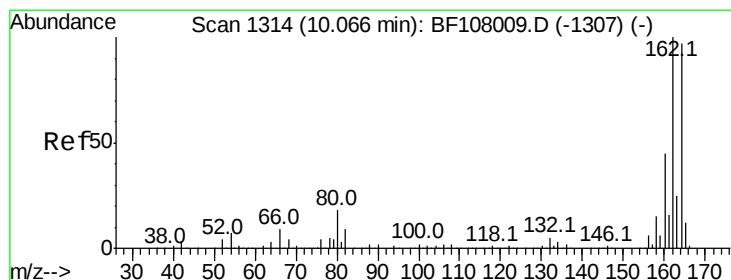
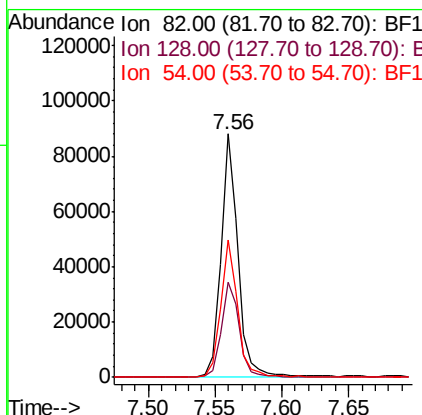
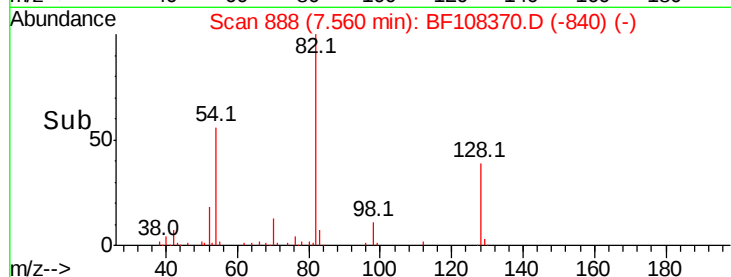
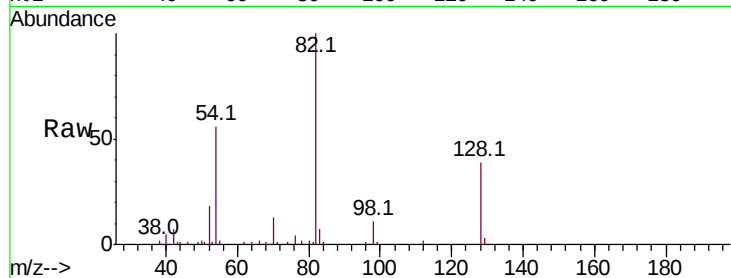
#23
Nitrobenzene-d5
Concen: 7.638 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Instrument :
BNA_F
ClientSampleId :
SU-04-081718DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.1	36.1	54.1
54	56.5	41.4	62.2

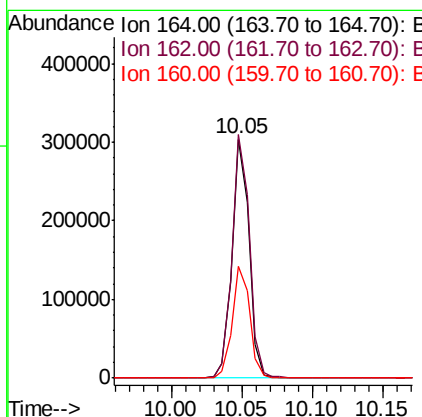
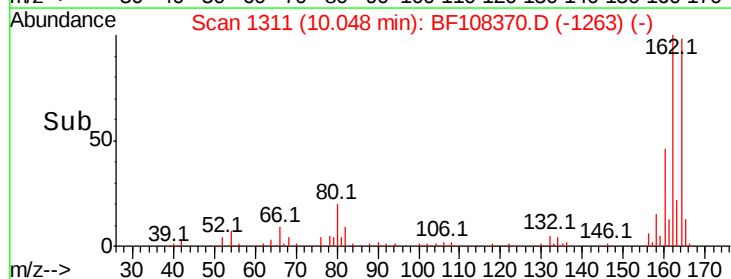
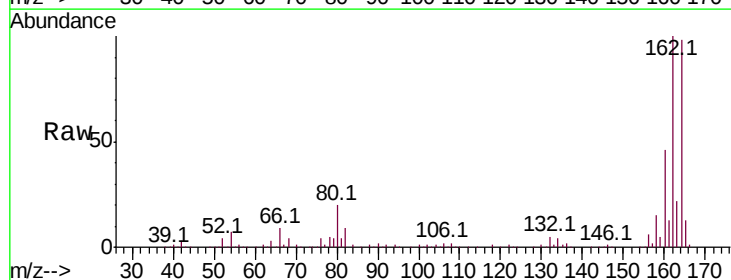
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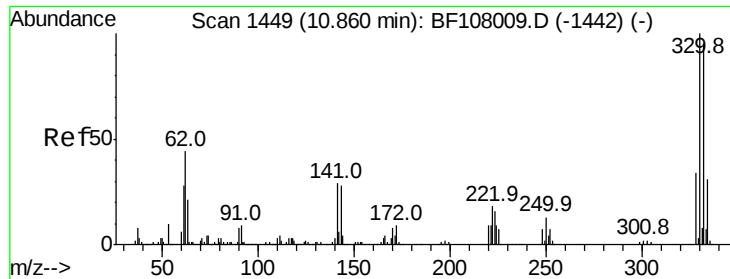
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	46.6	38.3	57.5





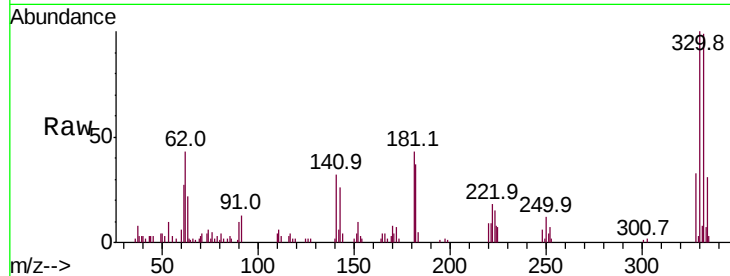
#41
 2,4,6-Tribromophenol
 Concen: 8.827 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108370.D
 Acq: 22 Aug 2018 6:42

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-081718DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	22462		
332	93.9	77.0	115.6	
141	37.4	29.9	44.9	

Manual Integrations
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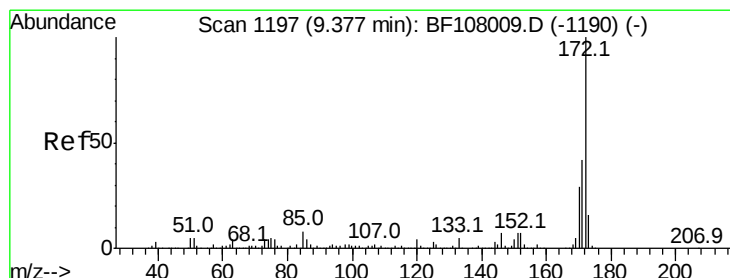
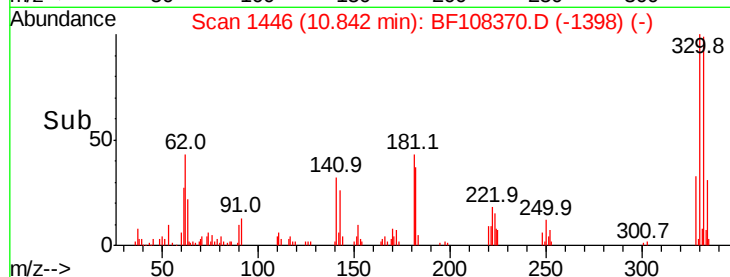
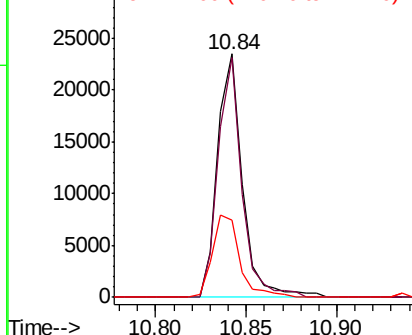


Abundance

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: 9.660 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108370.D
 Acq: 22 Aug 2018 6:42

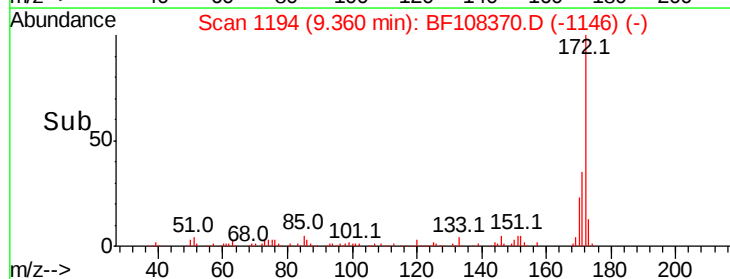
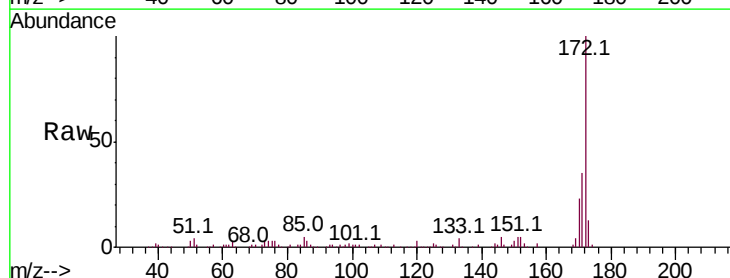
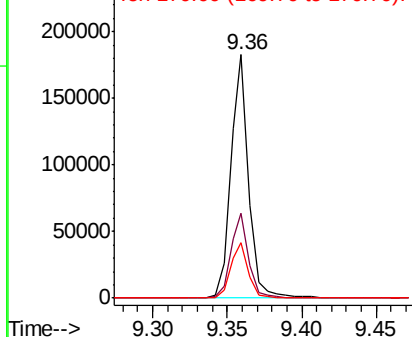
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	153488		
171	34.8	29.7	44.5	
170	22.9	19.6	29.4	

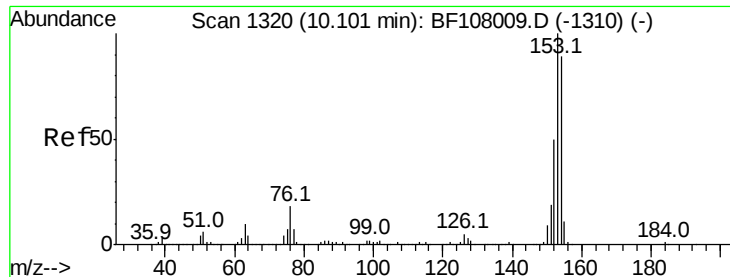
Abundance

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





#51

Acenaphthene

Concen: 2.326 ng

RT: 10.08 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF108370.D

Acq: 22 Aug 2018 6:42

Instrument :

BNA_F

ClientSampleId :

SU-04-081718DL

Tot Ion:154 Resp: 33486

Ion Ratio Lower Upper

154 100

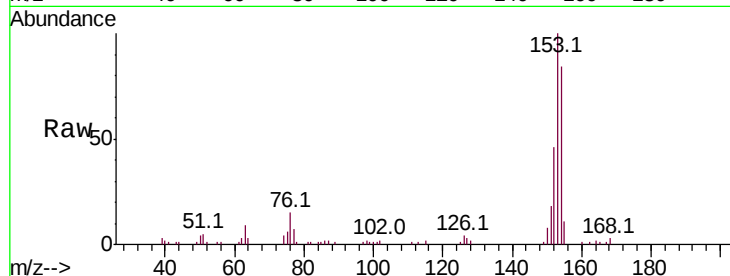
153 118.5 91.2 136.8

152 54.1 43.8 65.8

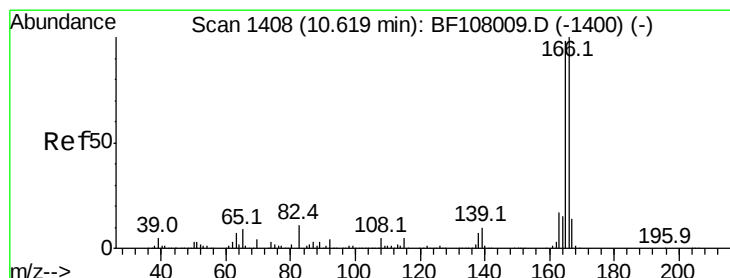
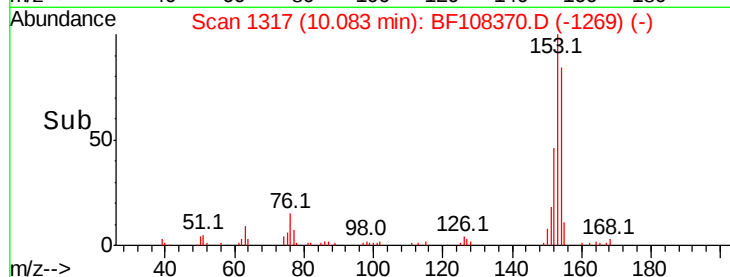
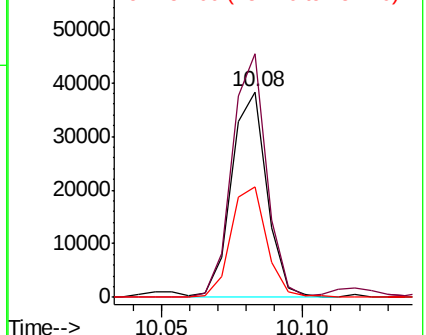
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.031 ng

RT: 10.60 min Scan# 1405

Delta R.T. -0.02 min

Lab File: BF108370.D

Acq: 22 Aug 2018 6:42

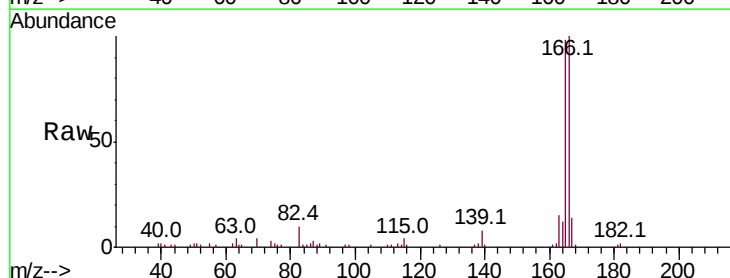
Tgt Ion:166 Resp: 50044

Ion Ratio Lower Upper

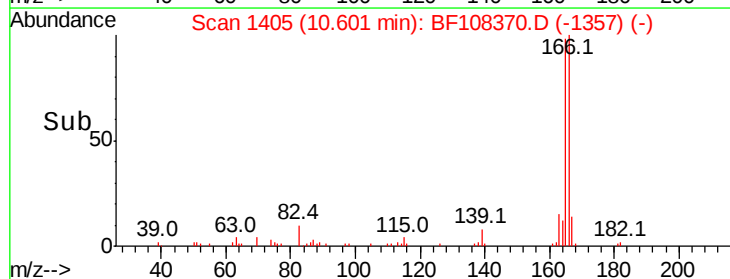
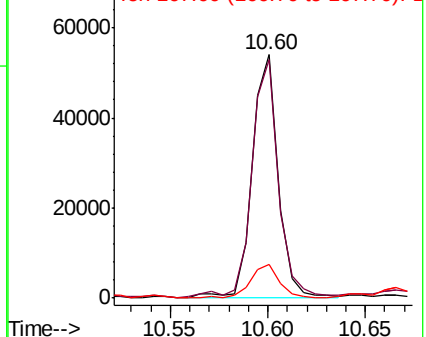
166 100

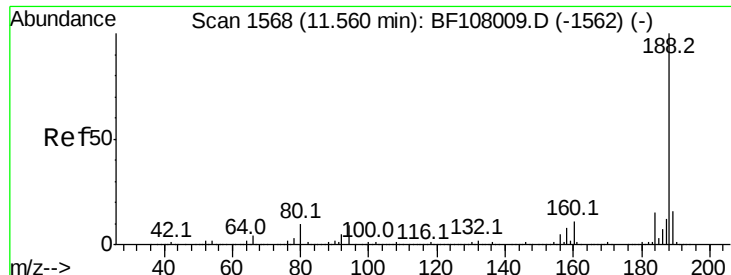
165 97.8 79.8 119.8

167 13.7 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





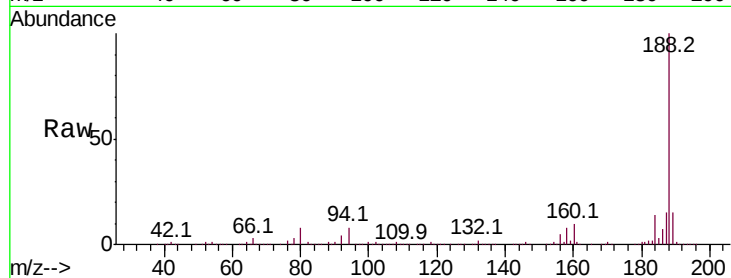
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Instrument :
BNA_F
ClientSampleId :
SU-04-081718DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.5	9.2	13.8#

Manual Integrations
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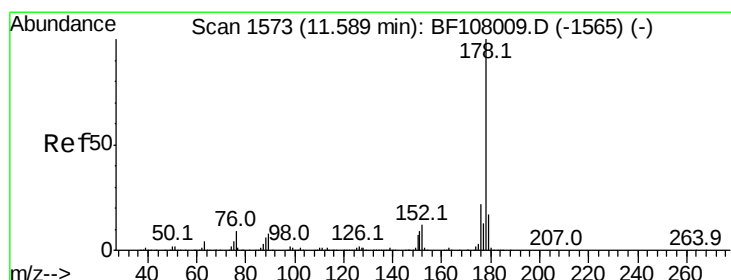
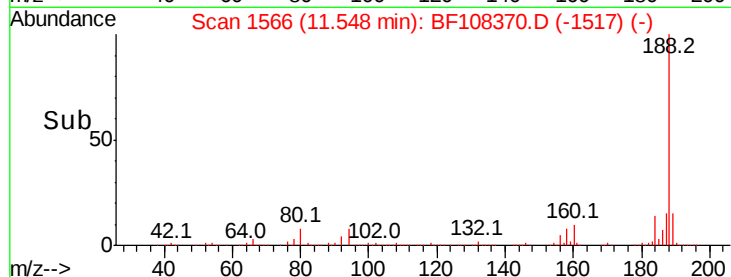
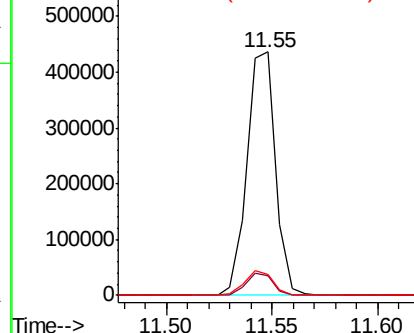


Abundance

Ion 188.00 (187.70 to 188.70): E

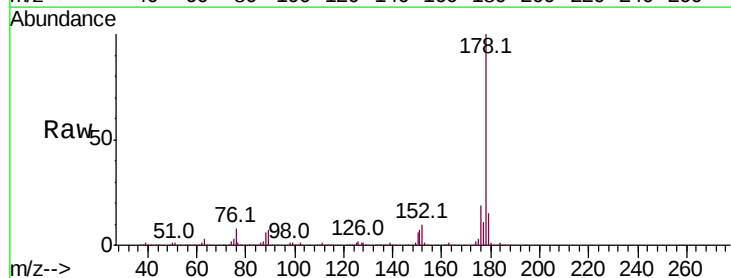
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70
Phenanthrene
Concen: 23.326 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.3	13.0	19.6

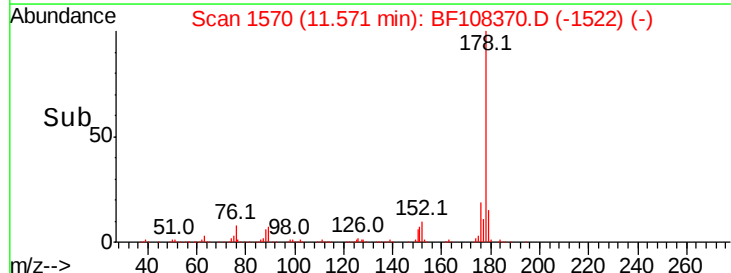
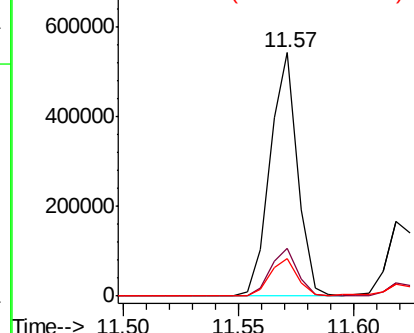


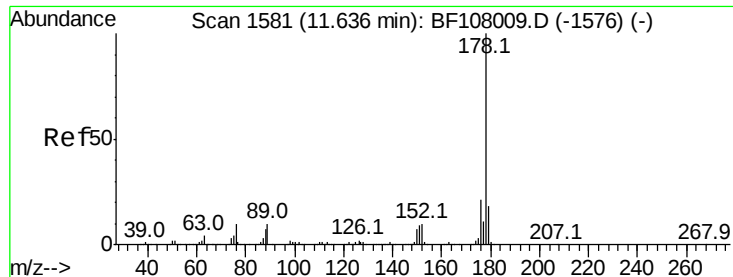
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





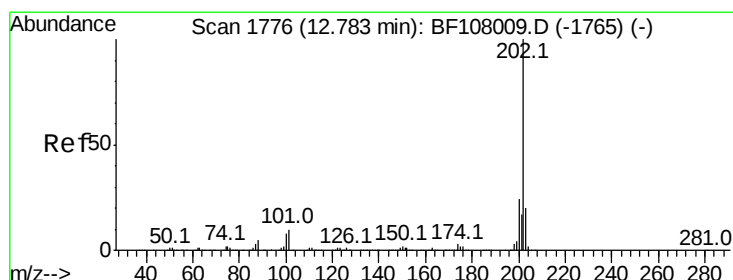
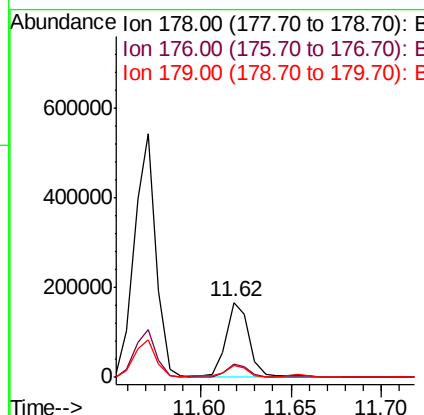
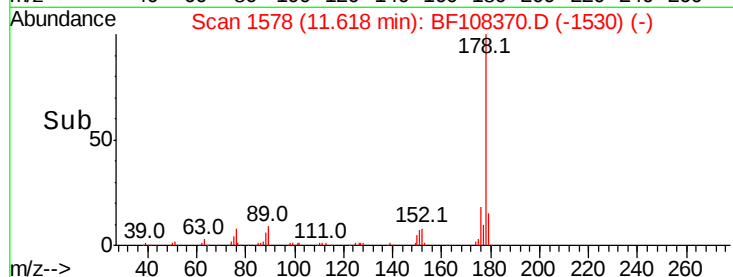
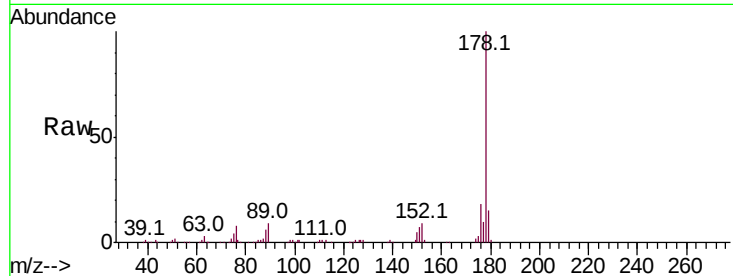
#71
 Anthracene
 Concen: 7.546 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BF108370.D
 Acq: 22 Aug 2018 6:42

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-081718DL

Tot Ion:	178	Resp:	148649
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.2
179	15.4	12.6	19.0

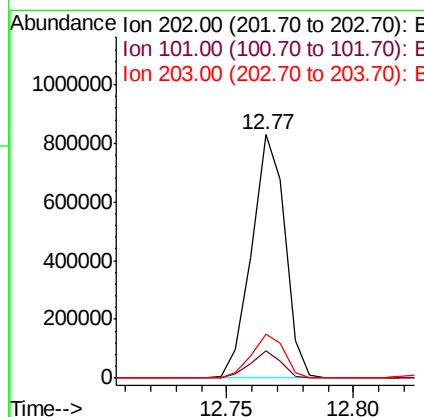
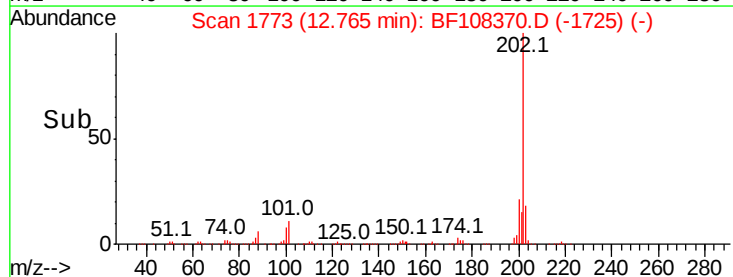
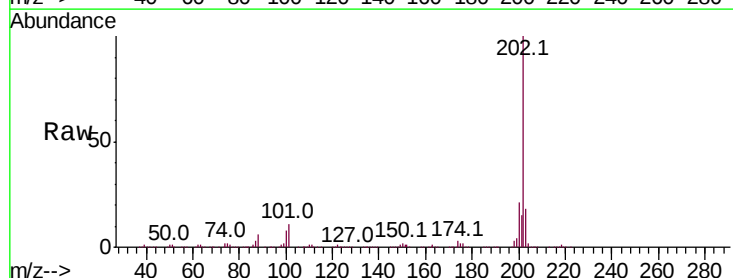
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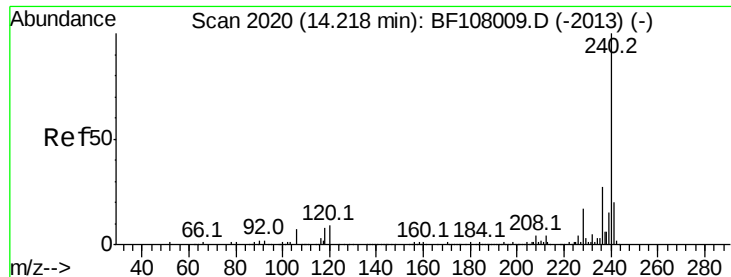
Sohil
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#74
 Fluoranthene
 Concen: 36.339 ng
 RT: 12.77 min Scan# 1773
 Delta R.T. -0.02 min
 Lab File: BF108370.D
 Acq: 22 Aug 2018 6:42

Tgt Ion:	202	Resp:	762275
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF108370.D

Acq: 22 Aug 2018 6:42

Instrument :

BNA_F

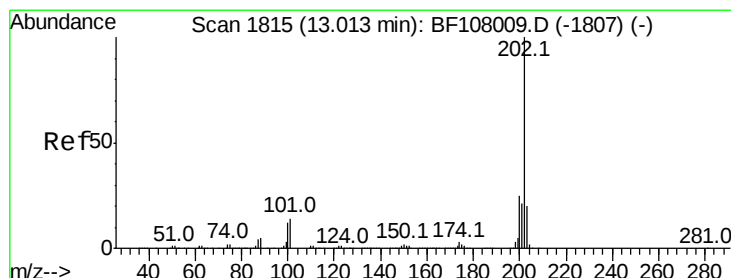
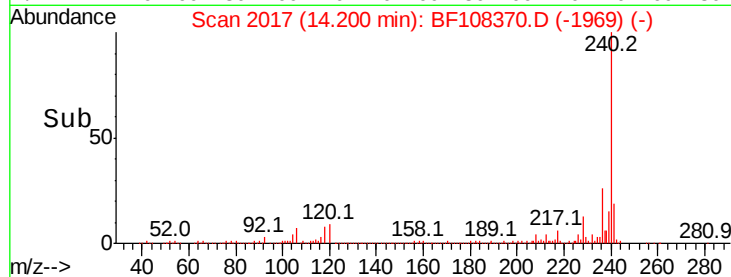
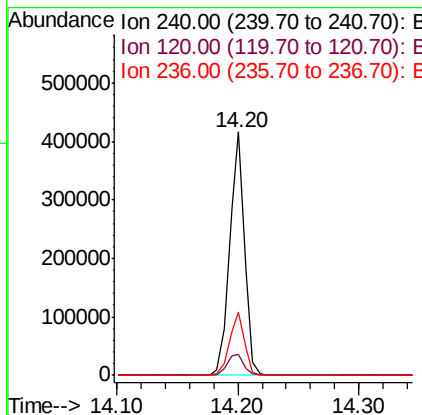
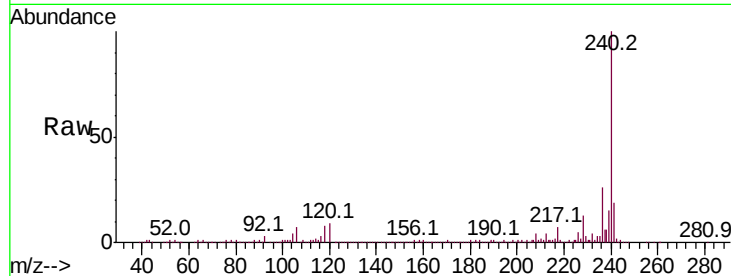
ClientSampleId :

SU-04-081718DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	9.5	14.3#
236	25.7	20.7	31.1

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#77

Pyrene

Concen: 29.293 ng

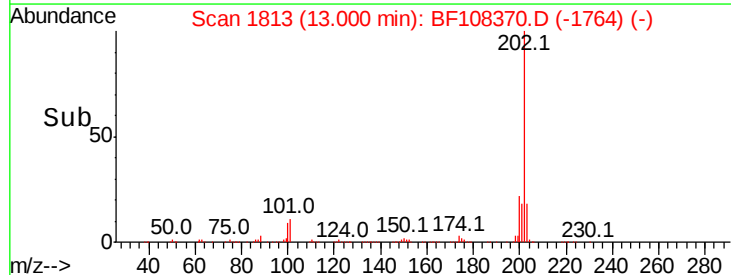
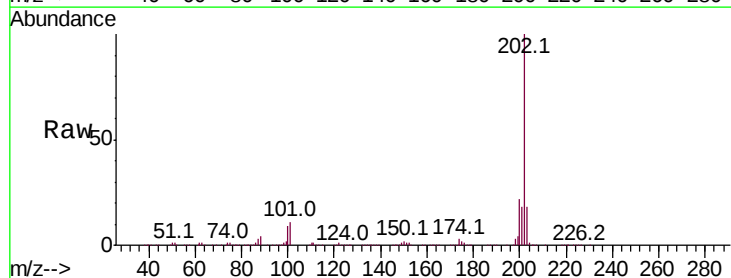
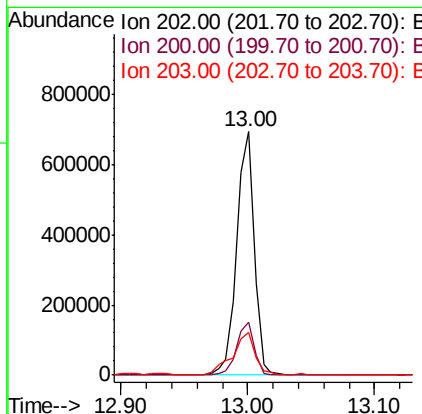
RT: 13.00 min Scan# 1813

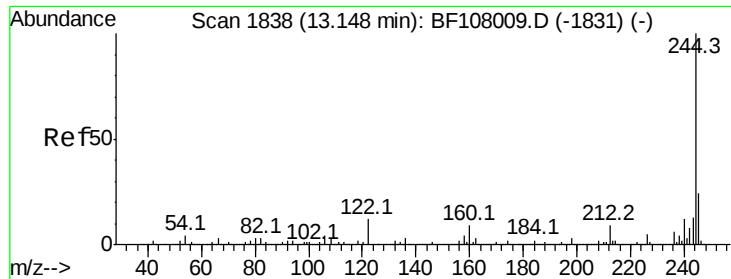
Delta R.T. -0.01 min

Lab File: BF108370.D

Acq: 22 Aug 2018 6:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.7	14.3	21.5





#78

Terphenyl-d14

Concen: 8.037 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF108370.D

Acq: 22 Aug 2018 6:42

Instrument :

BNA_F

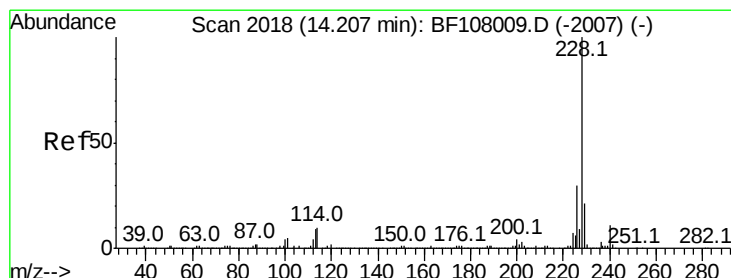
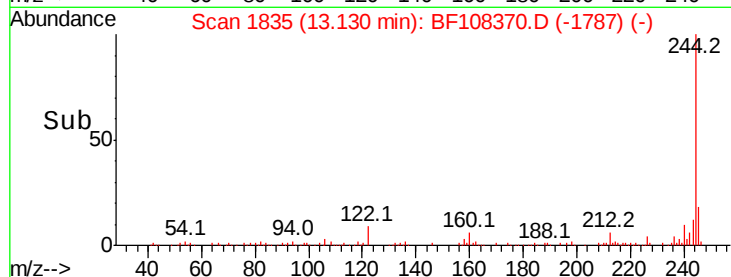
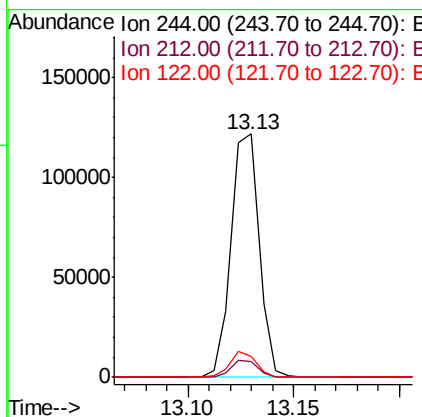
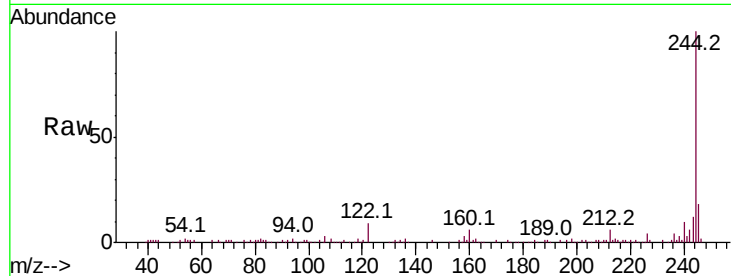
ClientSampleId :

SU-04-081718DL

Tot Ion:	244	Resp:	111810
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	8.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 18.226 ng

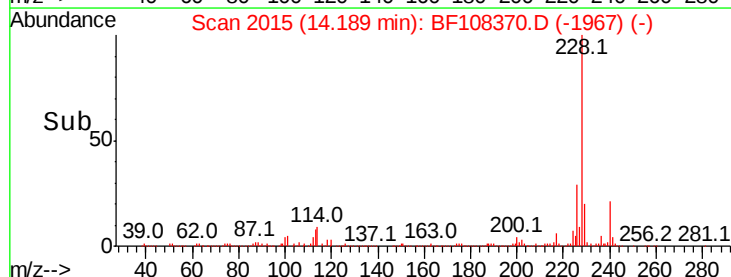
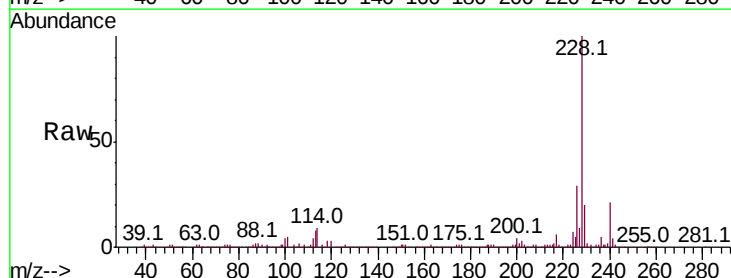
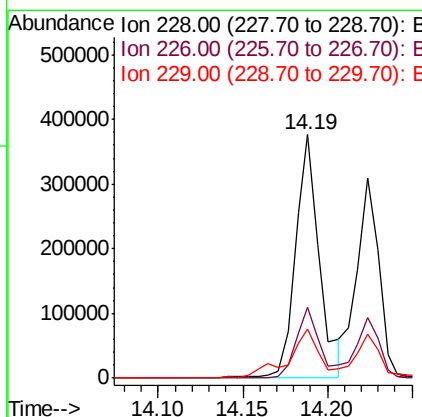
RT: 14.19 min Scan# 2015

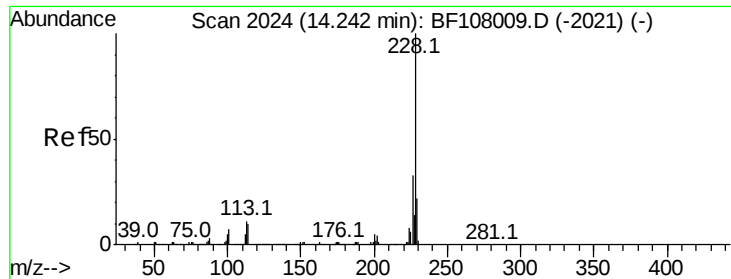
Delta R.T. -0.02 min

Lab File: BF108370.D

Acq: 22 Aug 2018 6:42

Tgt Ion:	228	Resp:	370018
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.6	33.8
229	20.2	15.8	23.6





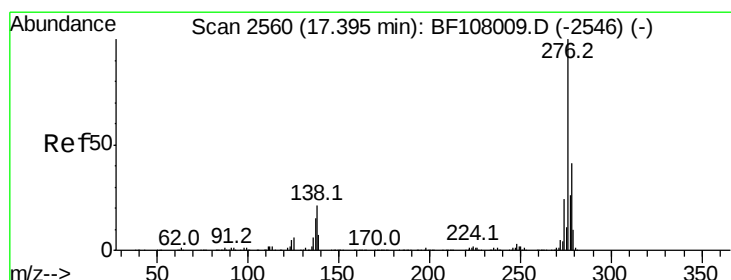
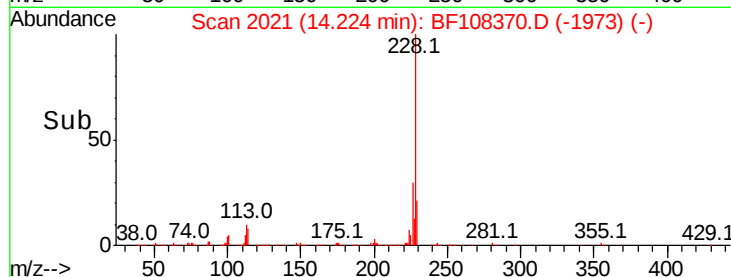
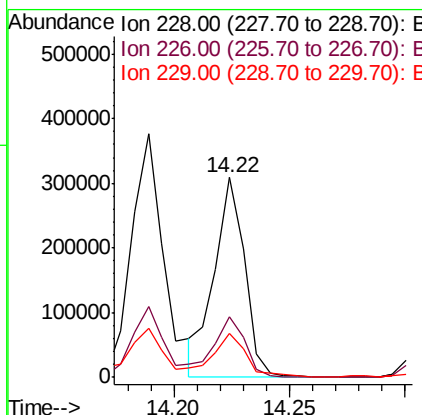
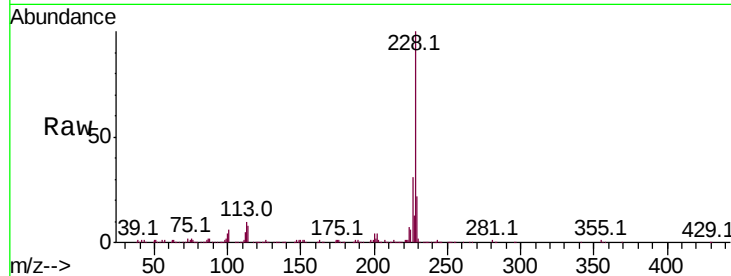
#82
Chrysene
Concen: 15.067 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Instrument :
BNA_F
ClientSampleId :
SU-04-081718DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.8	16.2	24.4

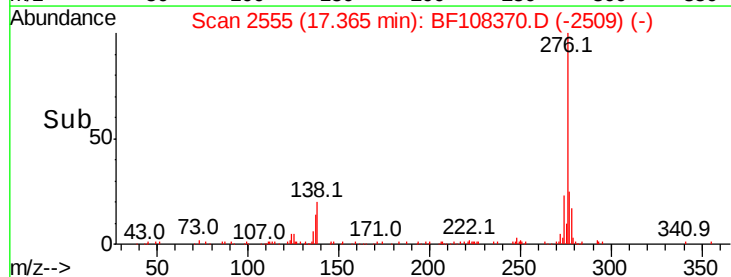
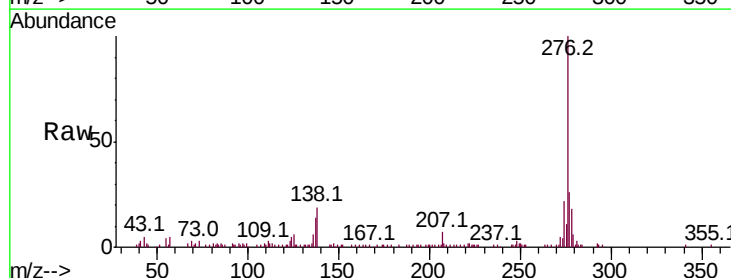
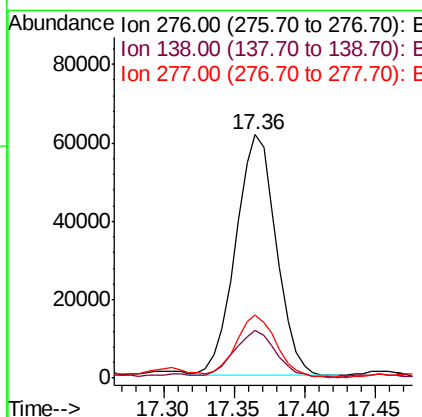
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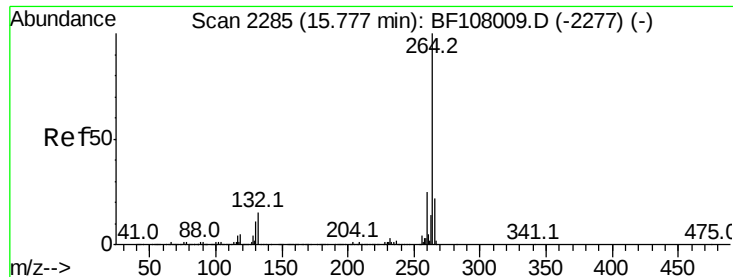
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.656 ng
RT: 17.36 min Scan# 2555
Delta R.T. -0.03 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	25.0	37.6#
277	26.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.76 min Scan# 2282

Delta R.T. -0.02 min

Lab File: BF108370.D

Acq: 22 Aug 2018 6:42

Instrument :

BNA_F

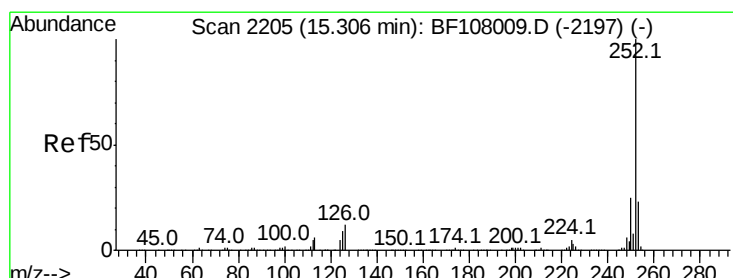
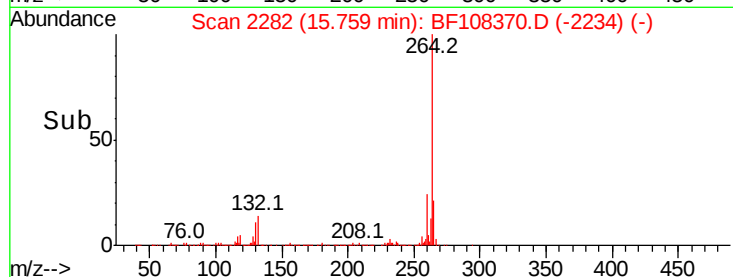
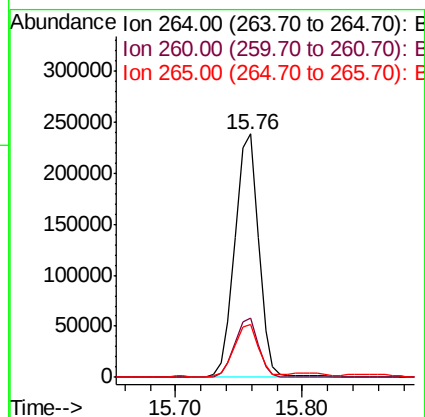
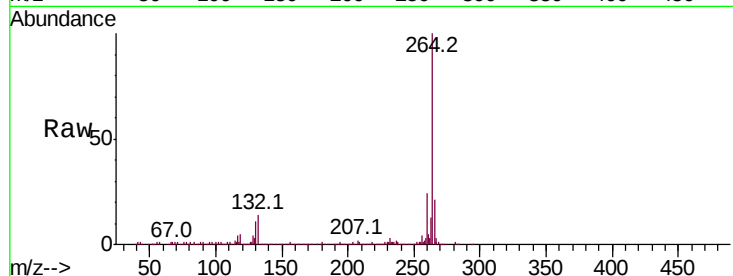
ClientSampleId :

SU-04-081718DL

Tot Ion:	264	Resp:	309678
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	21.5	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 20.051 ng m

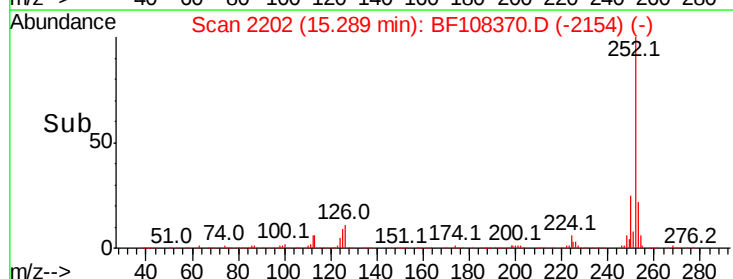
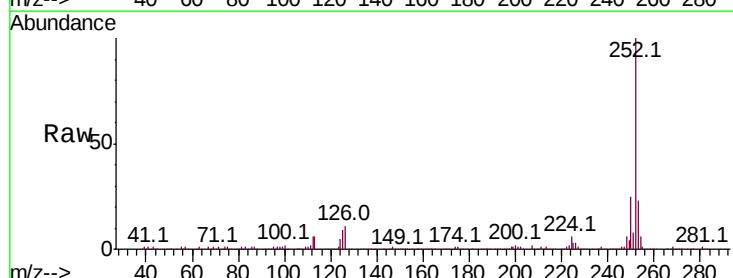
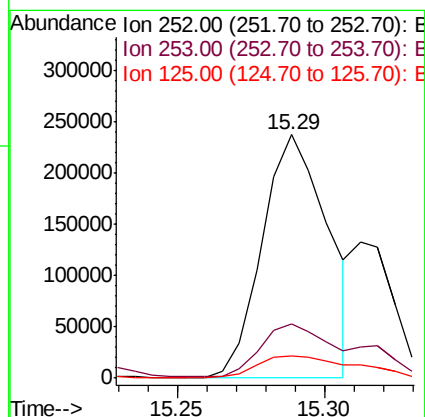
RT: 15.29 min Scan# 2202

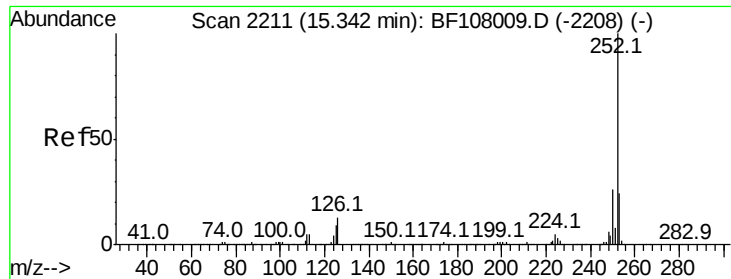
Delta R.T. -0.02 min

Lab File: BF108370.D

Acq: 22 Aug 2018 6:42

Tgt Ion:	252	Resp:	371038
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	9.2	9.0	13.6





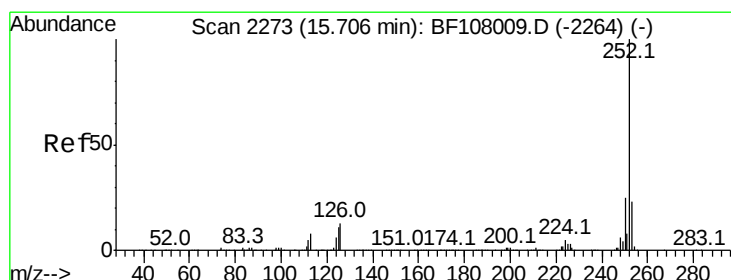
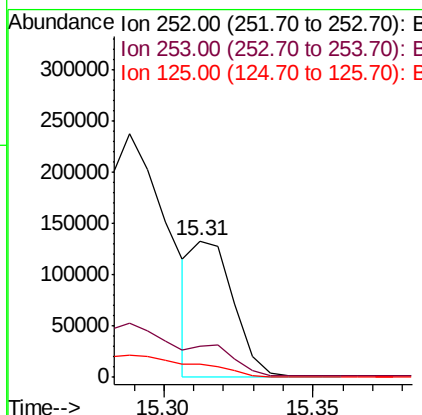
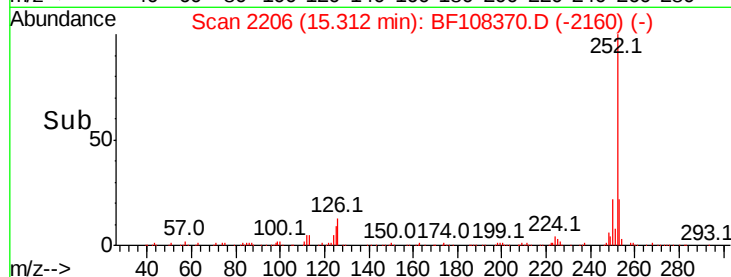
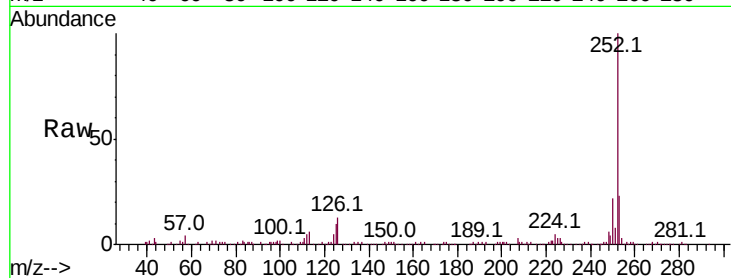
#88
Benzo(k)fluoranthene
Concen: 7.569 ng m
RT: 15.31 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Instrument :
BNA_F
ClientSampleId :
SU-04-081718DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	9.7	10.2	15.2

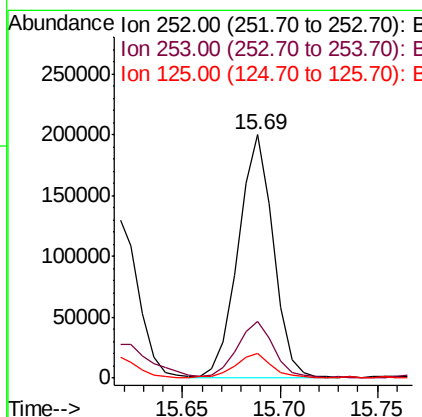
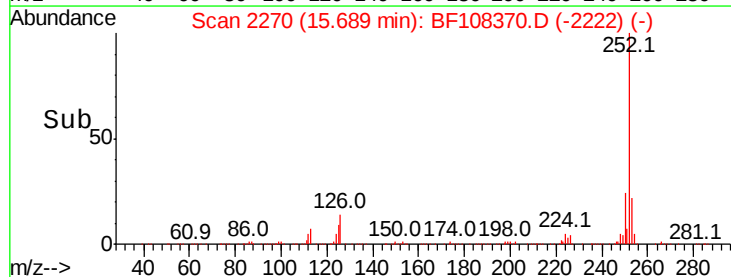
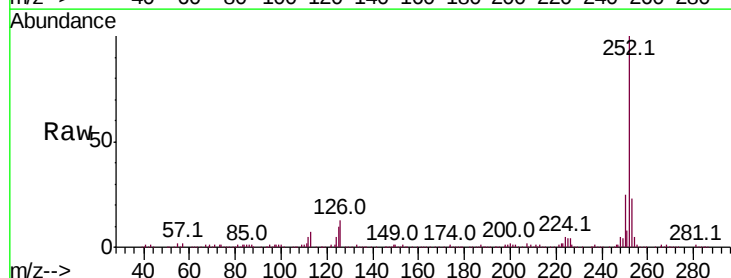
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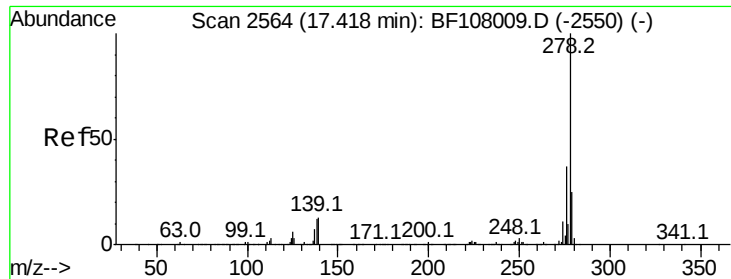
Sohil
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#89
Benzo(a)pyrene
Concen: 14.965 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	9.9	9.8	14.6





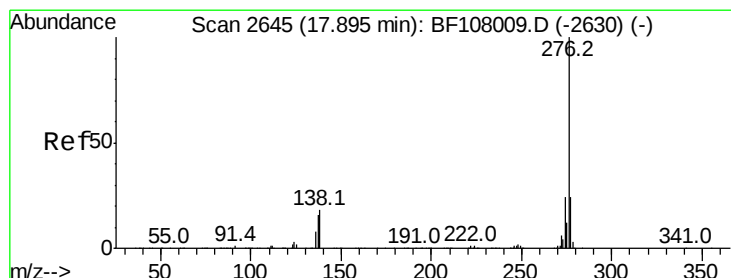
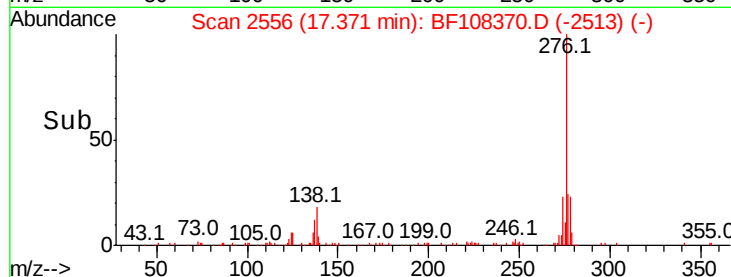
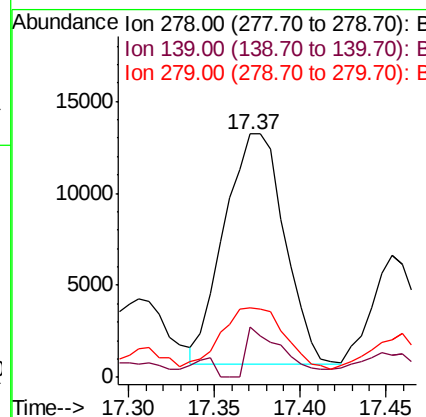
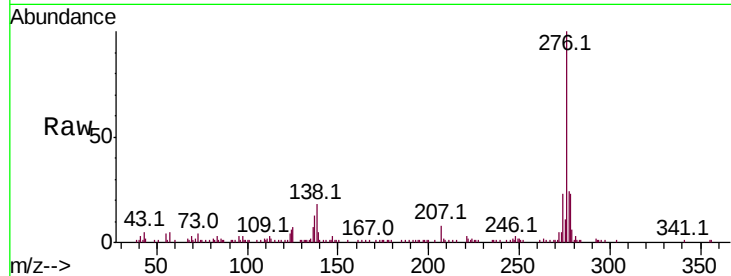
#90
Dibenzo(a,h)anthracene
Concen: 2.223 ng m
RT: 17.37 min Scan# 2556
Delta R.T. -0.05 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Instrument :
BNA_F
ClientSampleId :
SU-04-081718DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.6	15.9	23.9
279	28.8	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 8.330 ng
RT: 17.86 min Scan# 2639
Delta R.T. -0.04 min
Lab File: BF108370.D
Acq: 22 Aug 2018 6:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	20.6	21.8	32.8

