

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108360.D
 Acq On : 22 Aug 2018 1:42
 Operator : JU/SJ
 Sample : J4275-15 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-D

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

Quant Time: Aug 22 03:47:19 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	166723	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	636193	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	302495	20.00	ng	-0.02
63) Phenanthrene-d10	11.55	188	505384	20.00	ng	-0.01
75) Chrysene-d12	14.20	240	379693	20.00	ng	-0.02
86) Perylene-d12	15.75	264	337067	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	92918	10.09	ng	-0.01
7) Phenol-d6	6.61	99	127597	10.43	ng	-0.02
23) Nitrobenzene-d5	7.56	82	78846	6.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	25028	8.29	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	153623	8.15	ng	-0.02
78) Terphenyl-d14	13.12	244	124002	8.30	ng	-0.02
Target Compounds						
70) Phenanthrene	11.57	178	162596	6.821	ng	98
71) Anthracene	11.62	178	49162	2.012	ng	99
74) Fluoranthene	12.77	202	302431	11.625	ng	94
77) Pyrene	12.99	202	300716	12.510	ng	97
80) Benzo(a)anthracene	14.19	228	143727	6.596	ng	95
82) Chrysene	14.22	228	131403	6.578	ng	99
85) Indeno(1,2,3-cd)pyrene	17.36	276	45575	2.633	ng	# 89
87) Benzo(b)fluoranthene	15.29	252	142107m	7.056	ng	
88) Benzo(k)fluoranthene	15.29	252	179660	9.704	ng	98
89) Benzo(a)pyrene	15.68	252	96525	5.352	ng	97
91) Benzo(g,h,i)perylene	17.85	276	45480	3.095	ng	# 87

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

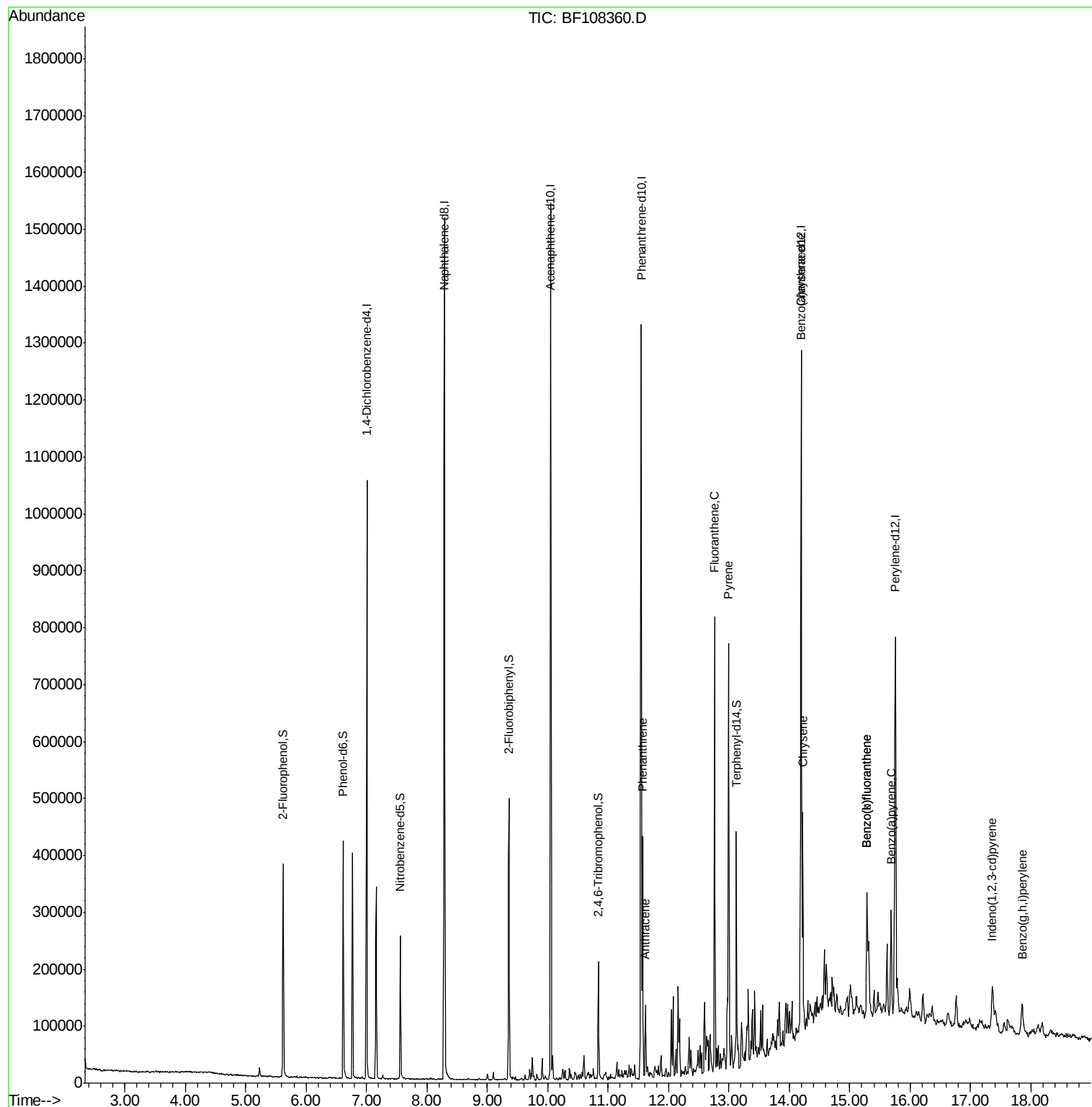
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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Response via : Initial Calibration





#1

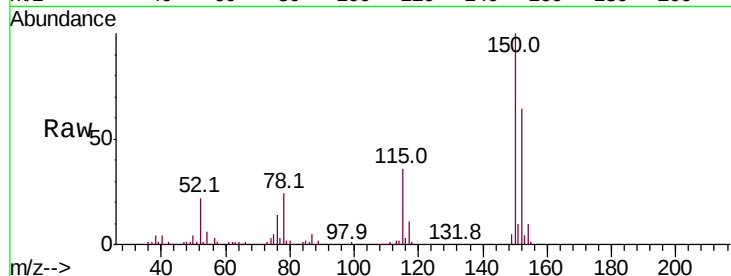
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108360.D
Acq: 22 Aug 2018 1:42

Instrument :
BNA_F
ClientSampleId :
CL-01-082018-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	56.1	50.1	75.1

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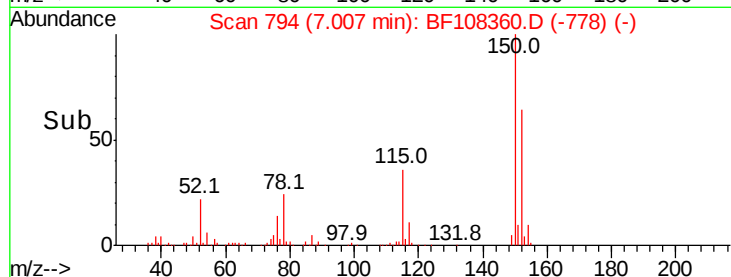
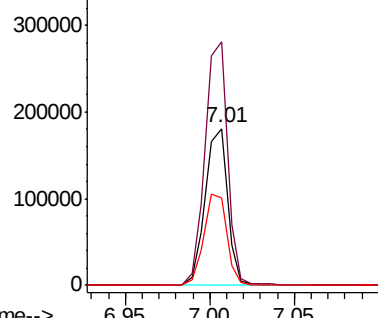


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

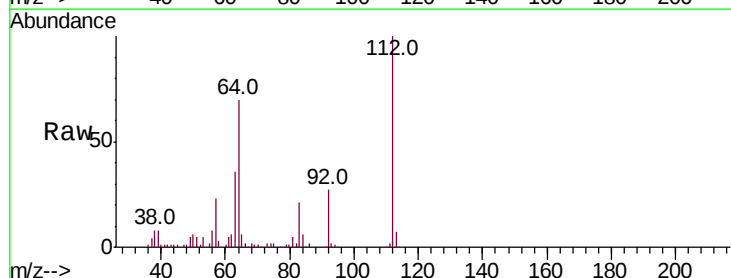
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 10.090 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108360.D
Acq: 22 Aug 2018 1:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	47.9	71.9
63	35.7	23.7	35.5#

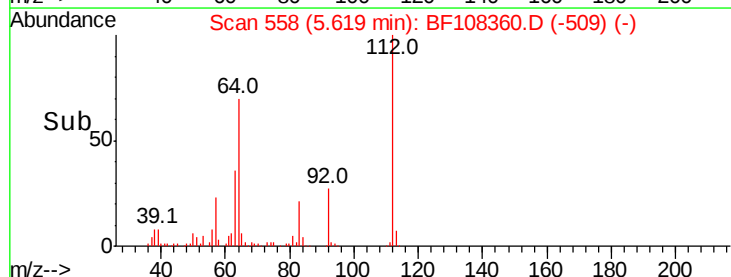
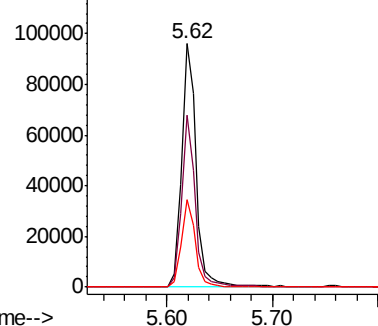


Abundance

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: 10.427 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Instrument :

BNA_F

ClientSampleID :

CL-01-082018-D

Tot Ion: 99 Resp: 127597

Ion Ratio Lower Upper

99 100

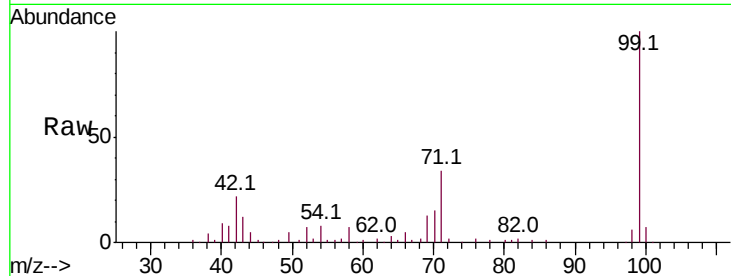
42 21.9 14.5 21.7#

71 34.2 25.4 38.0

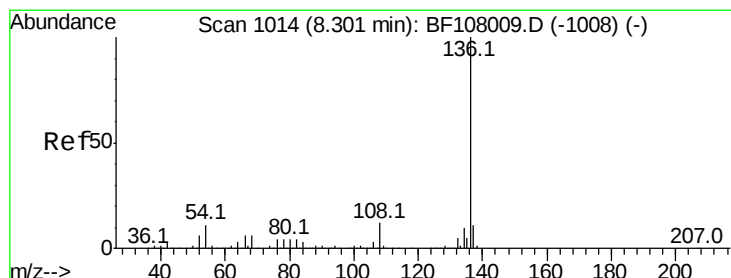
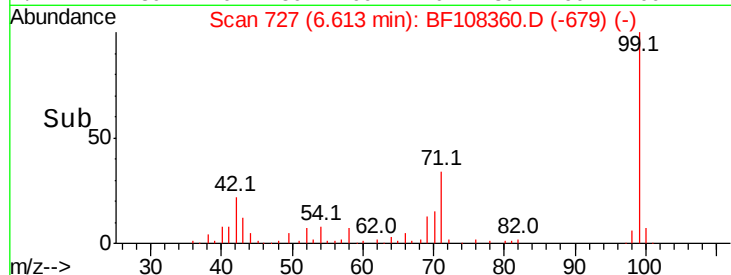
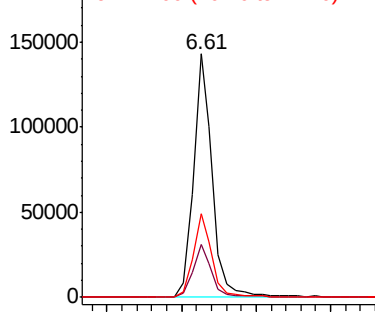
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Tgt Ion: 136 Resp: 636193

Ion Ratio Lower Upper

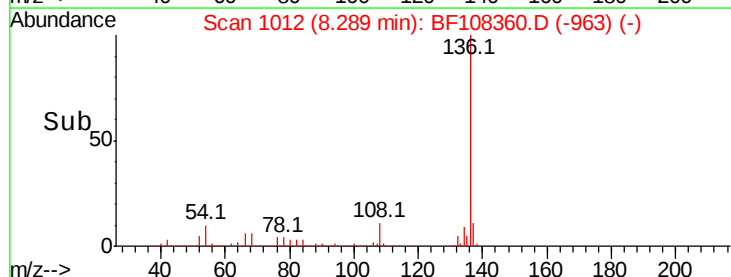
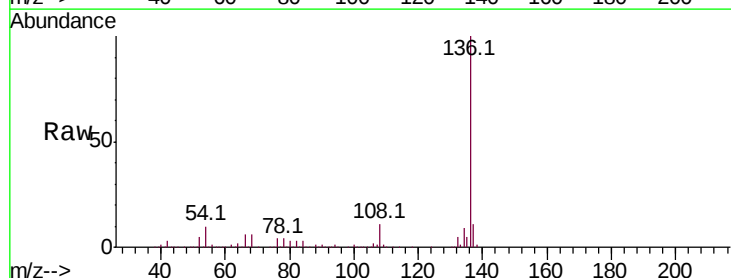
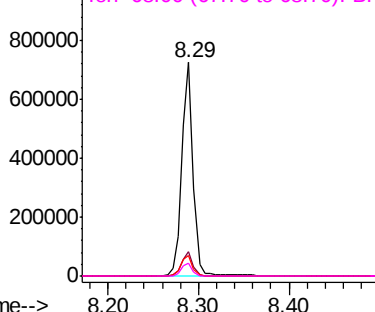
136 100

137 11.2 8.9 13.3

54 9.6 6.6 9.8

68 5.9 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





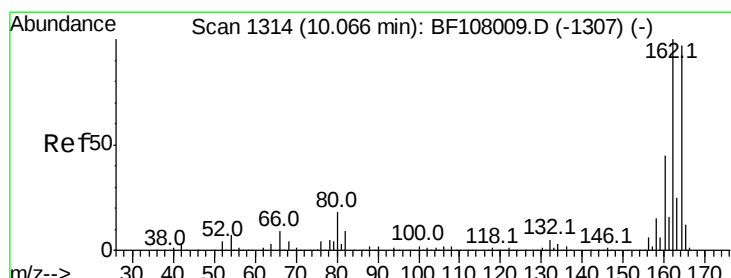
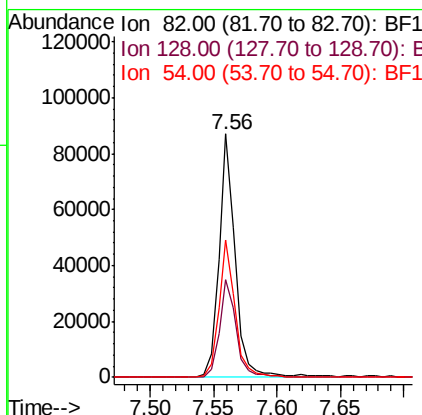
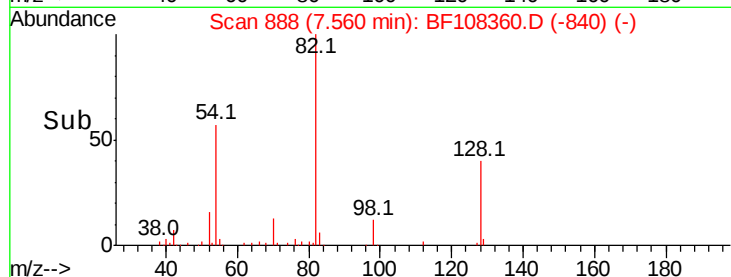
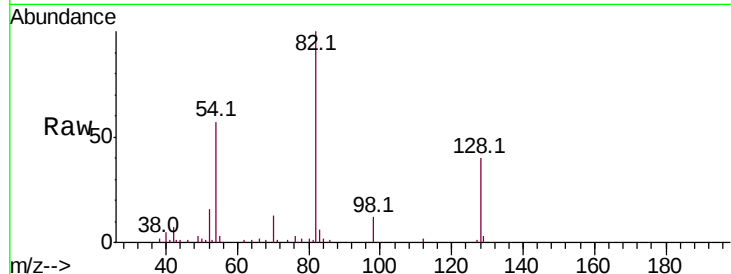
#23
 Nitrobenzene-d5
 Concen: 6.916 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.1	36.1	54.1
54	56.5	41.4	62.2

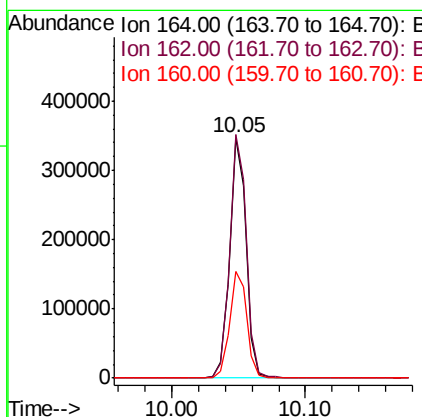
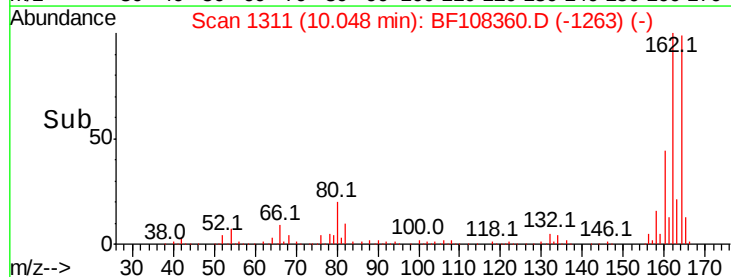
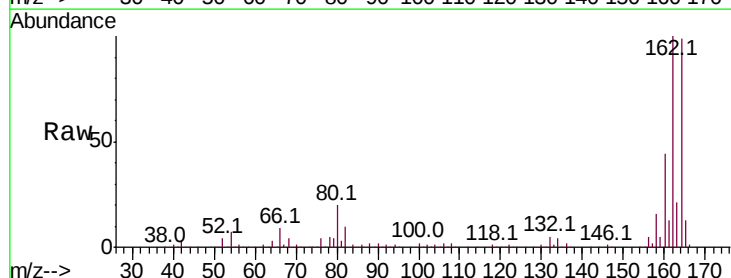
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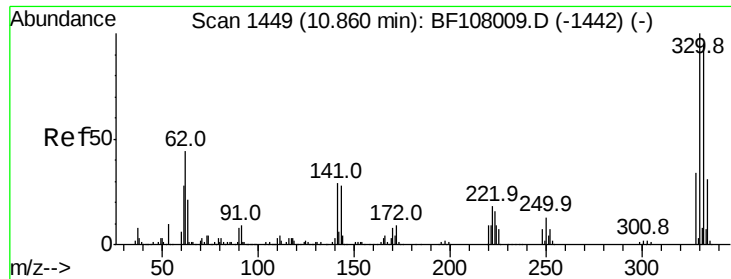
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	86.1	129.1
160	44.5	38.3	57.5





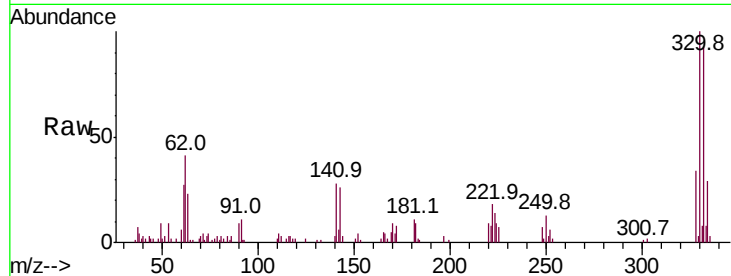
#41
 2,4,6-Tribromophenol
 Concen: 8.295 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-D

Tot Ion:	330	Resp:	25028
Ion Ratio	Lower	Upper	
330	100		
332	95.1	77.0	115.6
141	36.5	29.9	44.9

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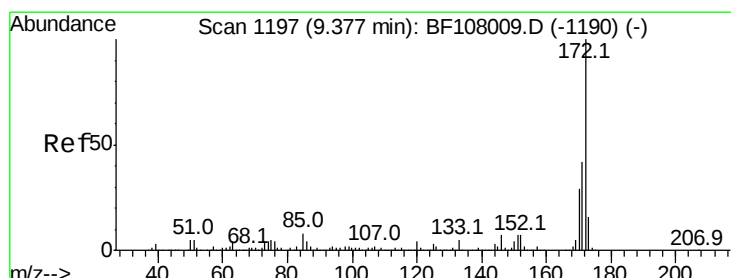
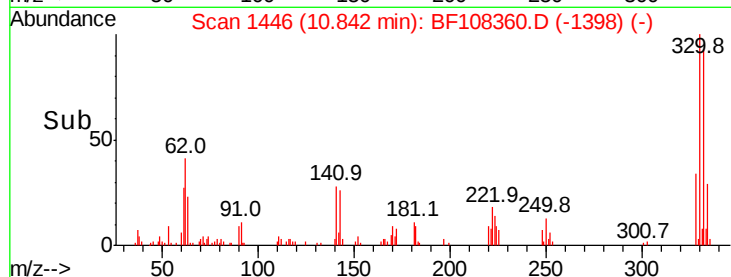
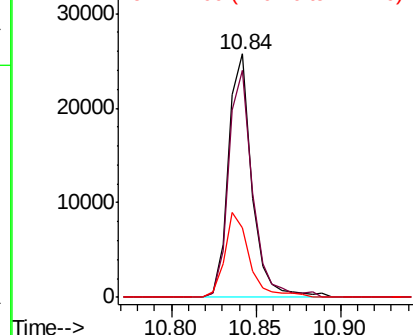


Abundance

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: 8.153 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

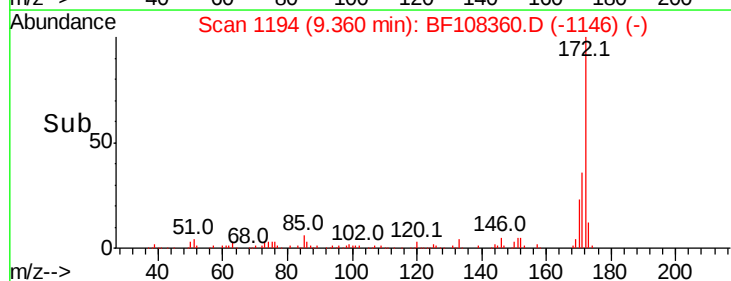
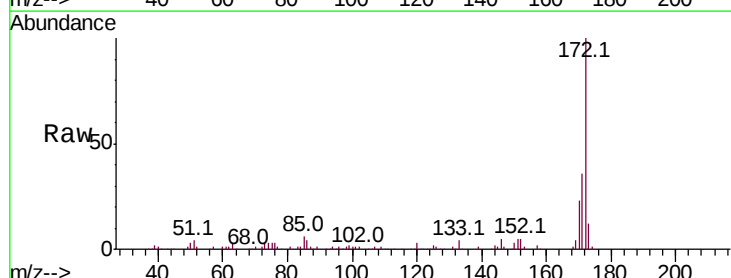
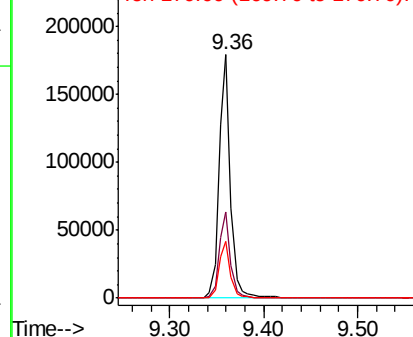
Tgt Ion:	172	Resp:	153623
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.7	44.5
170	23.2	19.6	29.4

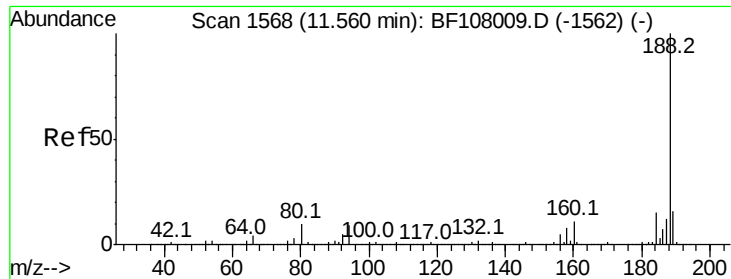
Abundance

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





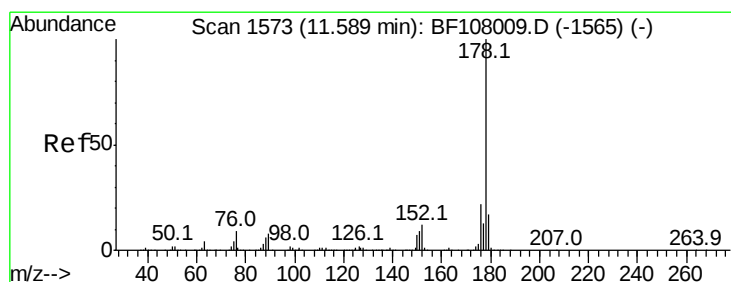
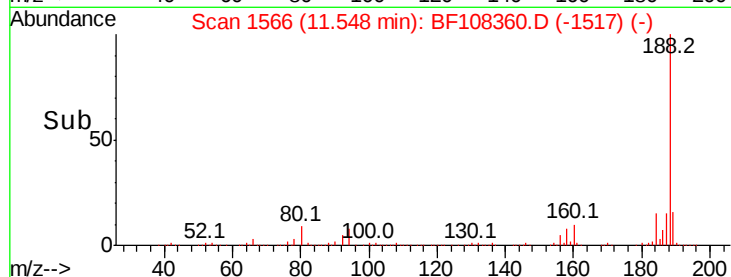
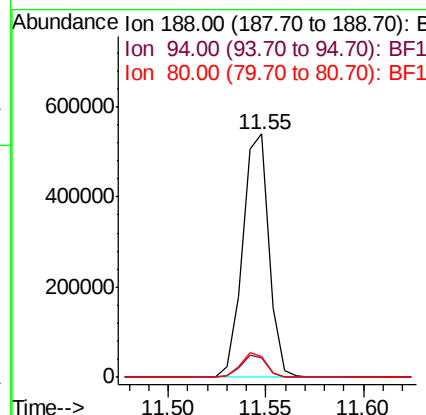
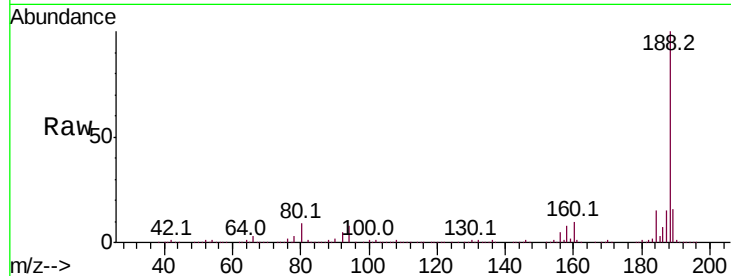
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF108360.D
Acq: 22 Aug 2018 1:42

Instrument :
BNA_F
ClientSampleId :
CL-01-082018-D

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	8.6	9.2	13.8#

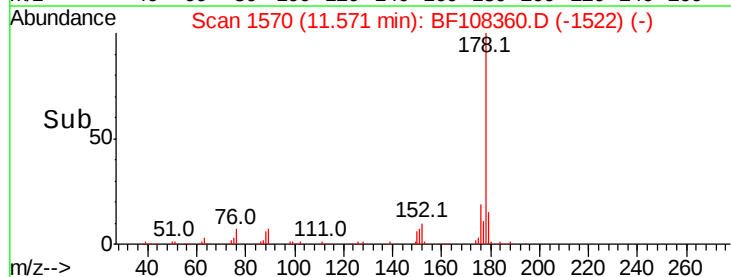
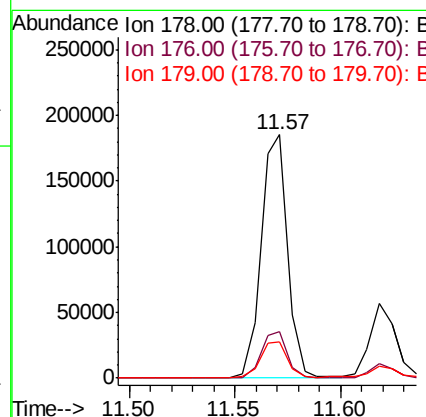
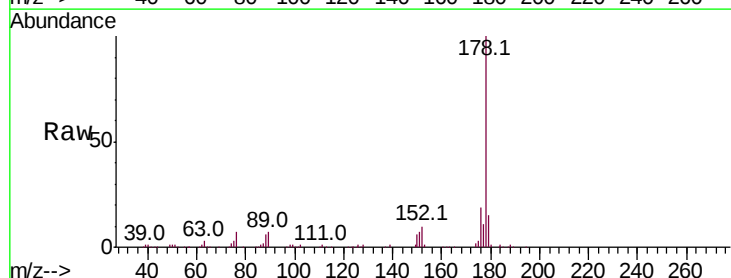
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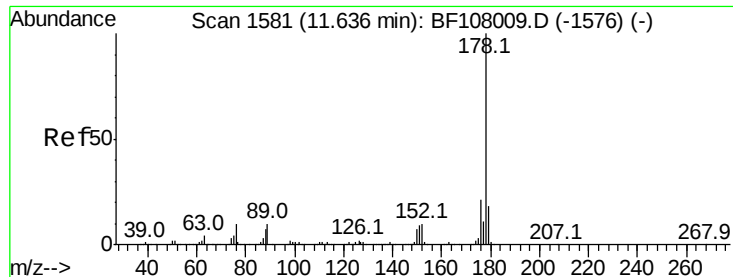
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#70
Phenanthrene
Concen: 6.821 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF108360.D
Acq: 22 Aug 2018 1:42

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.8	13.0	19.6





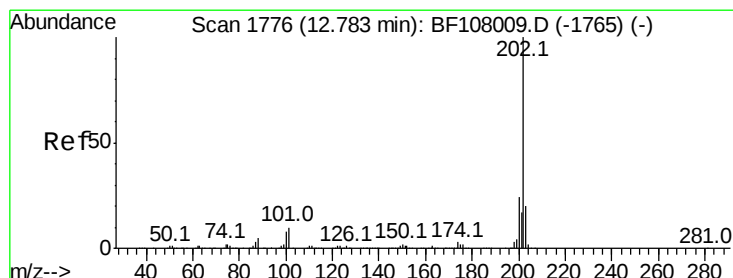
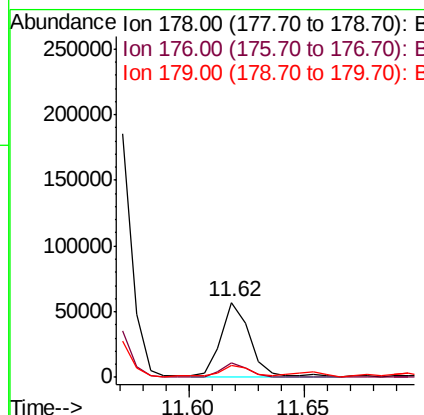
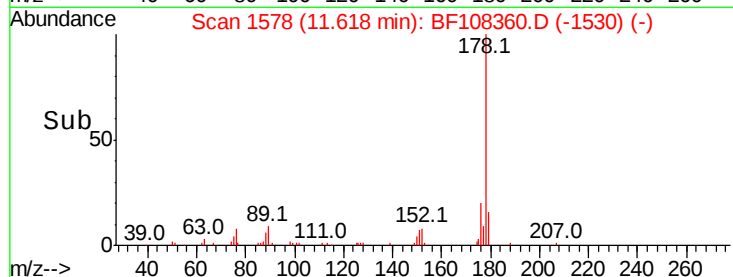
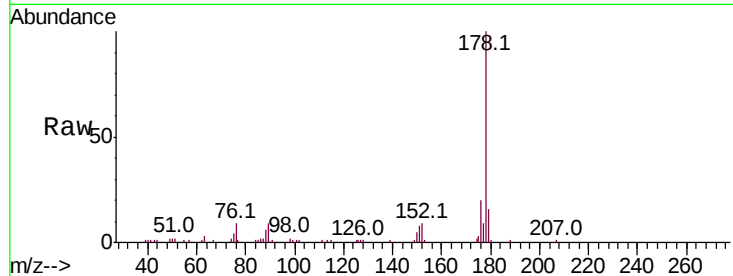
#71
 Anthracene
 Concen: 2.012 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-D

Tot Ion:	178	Resp:	49162
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.4	23.2
179	16.0	12.6	19.0

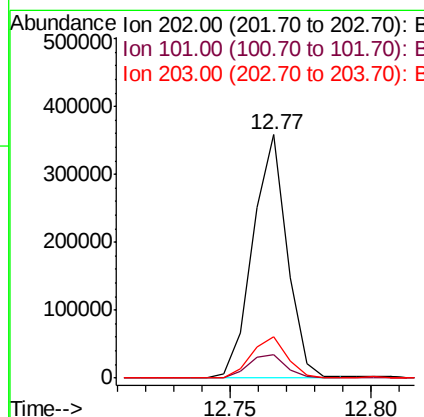
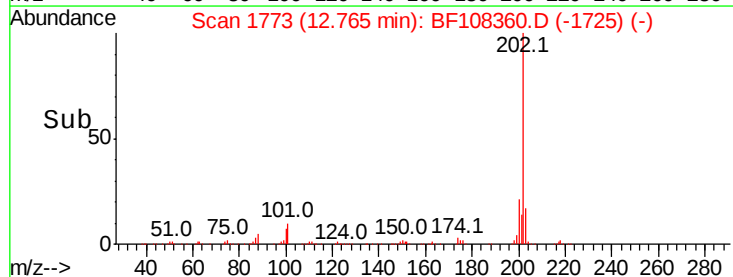
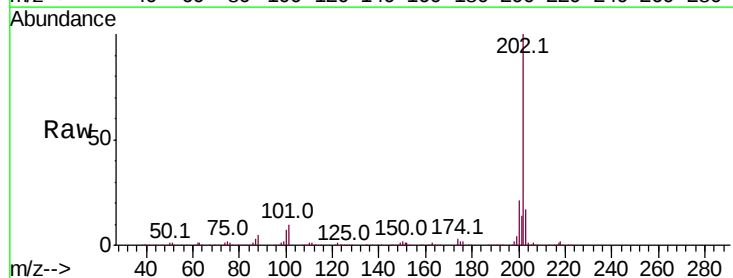
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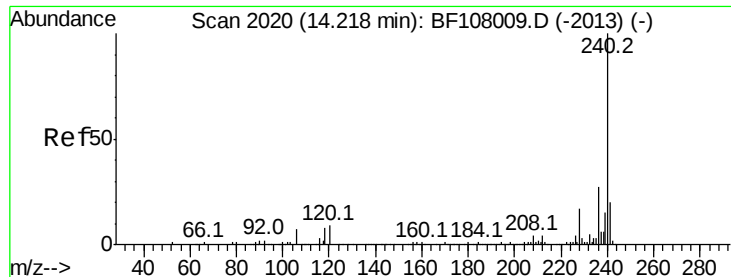
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#74
 Fluoranthene
 Concen: 11.625 ng
 RT: 12.77 min Scan# 1773
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Tgt Ion:	202	Resp:	302431
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	34.1
203	17.0	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: BF108360.D

Acq: 22 Aug 2018 1:42

Instrument :

BNA_F

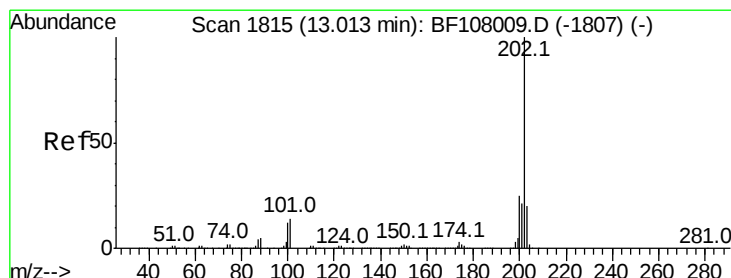
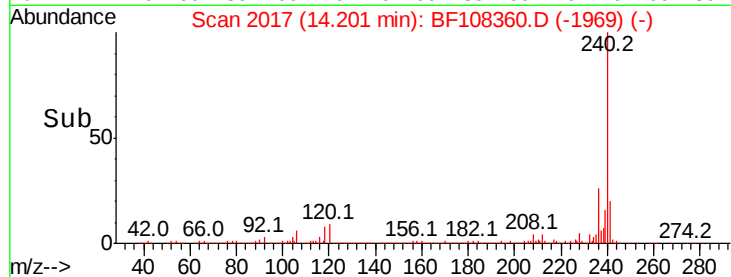
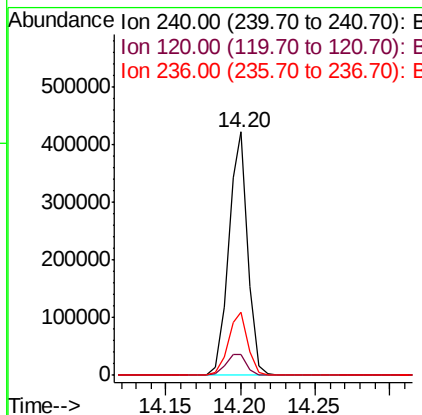
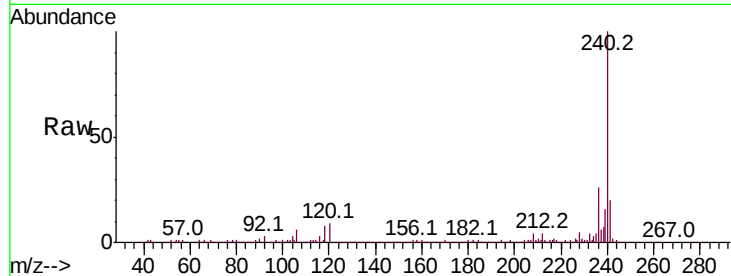
ClientSampleId :

CL-01-082018-D

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	9.5	14.3#
236	25.9	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 12.510 ng

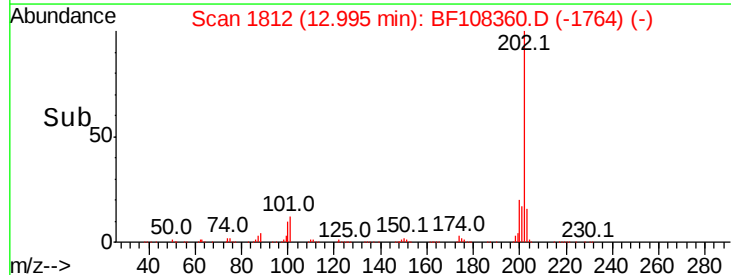
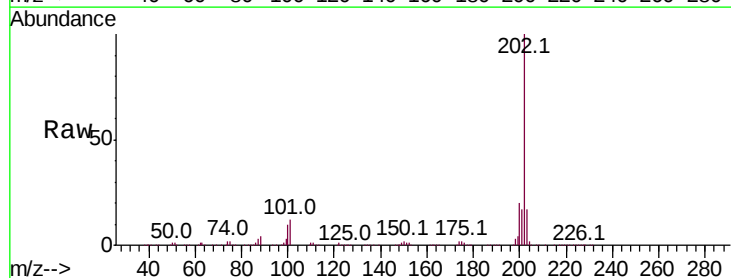
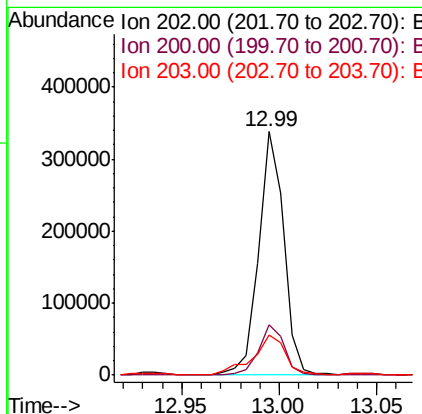
RT: 12.99 min Scan# 1812

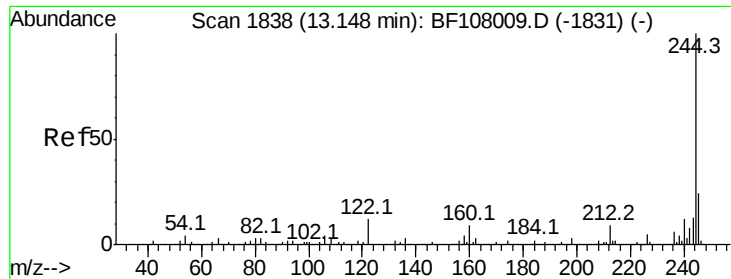
Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	16.6	14.3	21.5





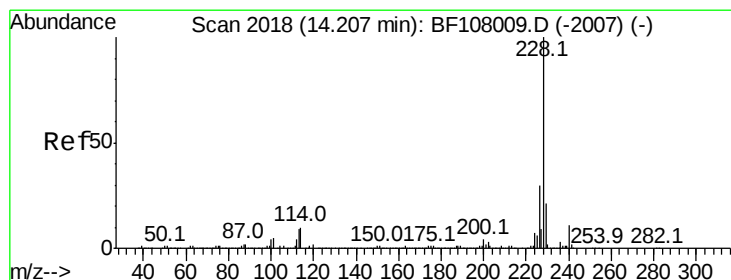
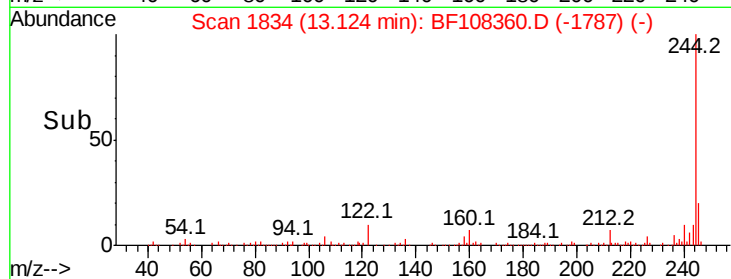
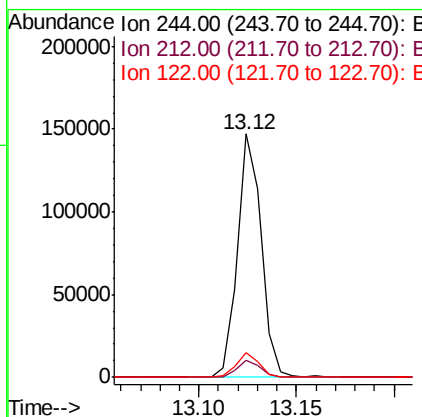
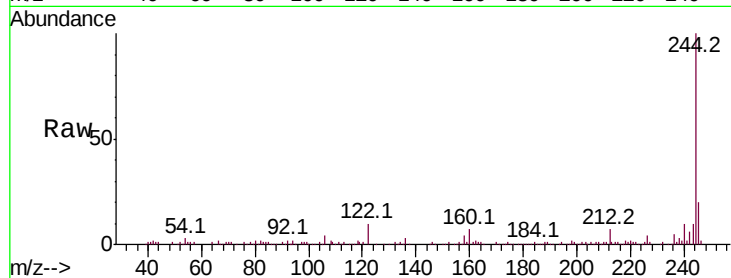
#78
 Terphenyl-d14
 Concen: 8.304 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.4	11.0	16.4

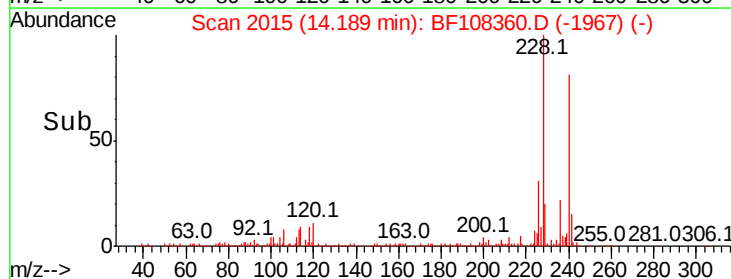
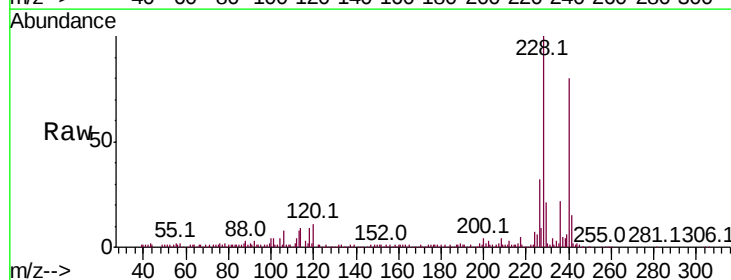
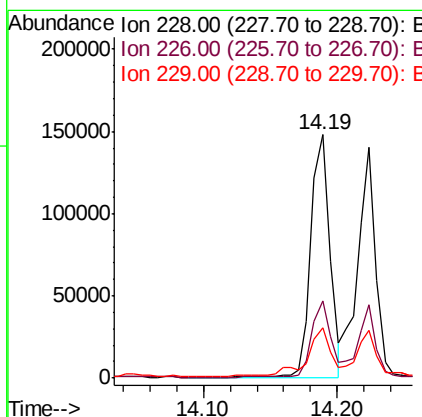
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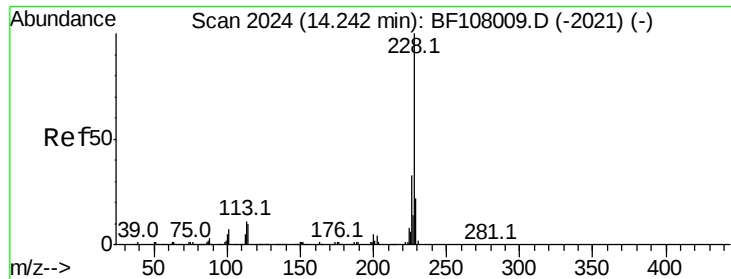
Sohil
 8/22/2018 4:03:22 PM



#80
 Benzo(a)anthracene
 Concen: 6.596 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.02 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	20.7	15.8	23.6





#82

Chrysene

Concen: 6.578 ng

RT: 14.22 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Instrument :

BNA_F

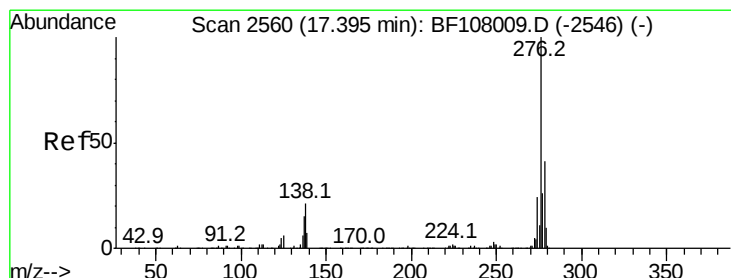
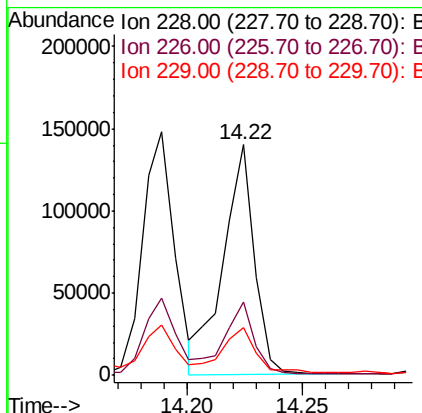
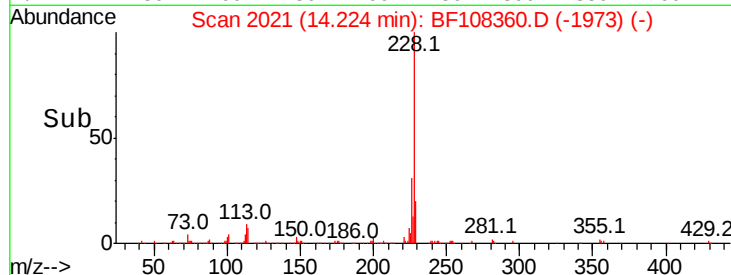
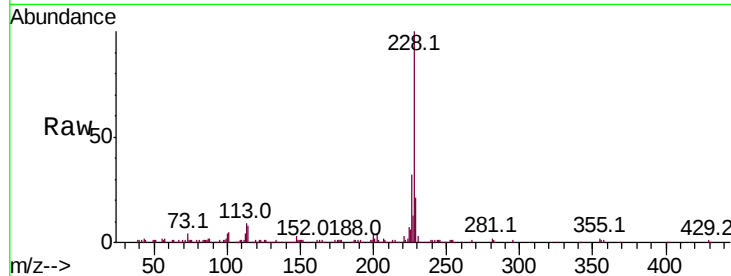
ClientSampled :

CL-01-082018-D

Tot Ion:	228	Resp:	131403
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.0	37.6
229	20.7	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.633 ng

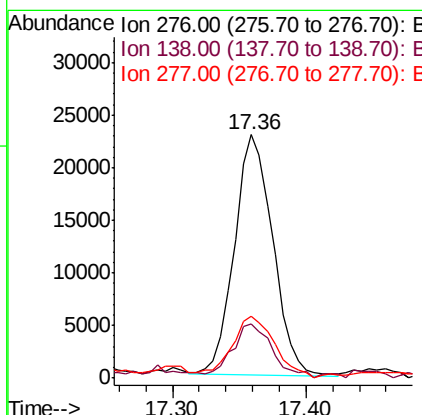
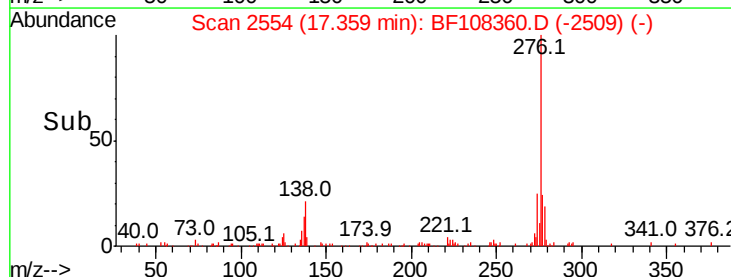
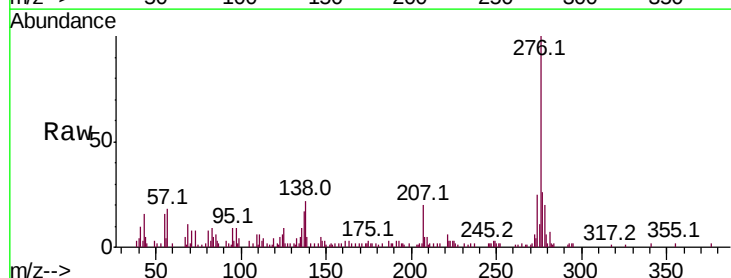
RT: 17.36 min Scan# 2554

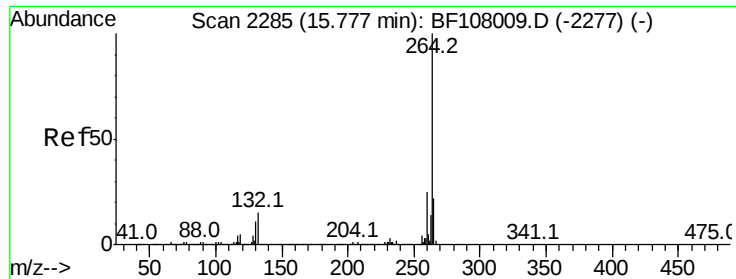
Delta R.T. -0.04 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Tgt Ion:	276	Resp:	45575
Ion Ratio	Lower	Upper	
276	100		
138	23.7	25.0	37.6#
277	29.2	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Instrument :

BNA_F

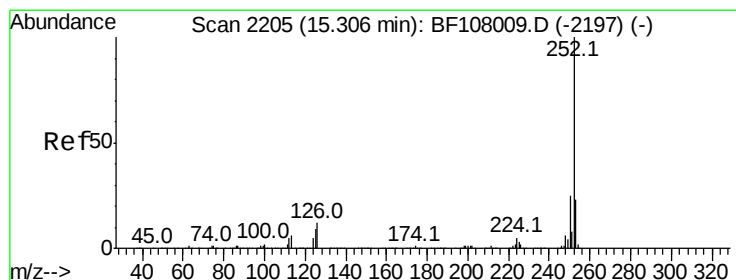
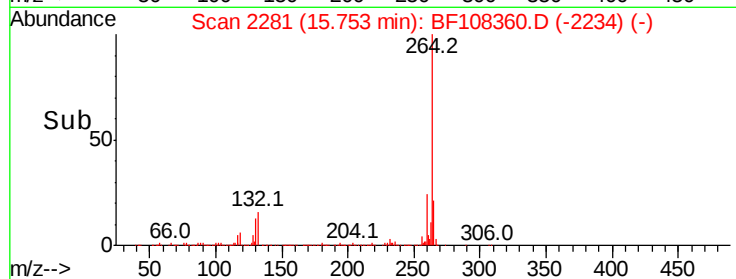
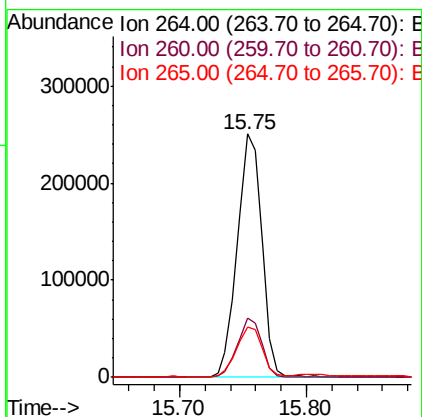
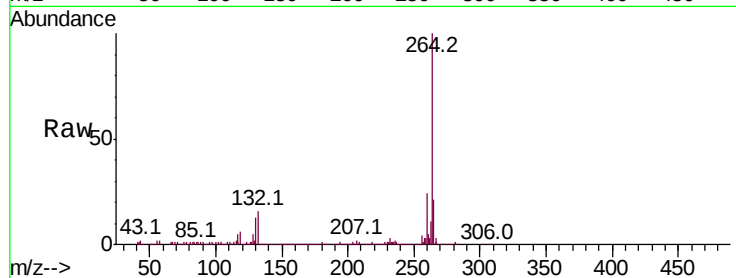
ClientSampleId :

CL-01-082018-D

Tot Ion:	264	Resp:	337067
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	20.8	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 7.056 ng m

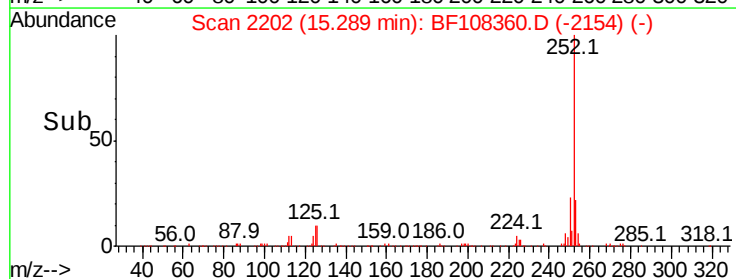
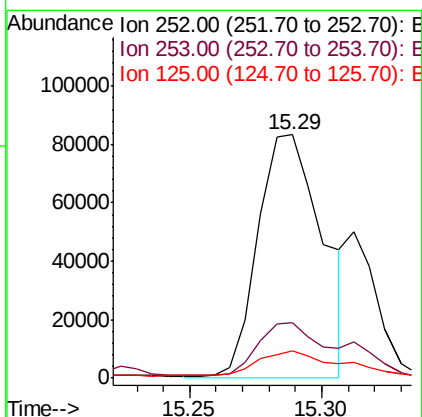
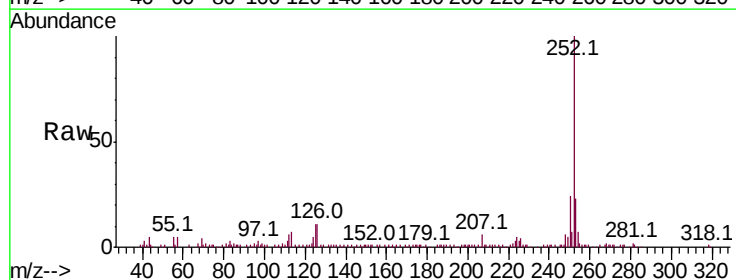
RT: 15.29 min Scan# 2202

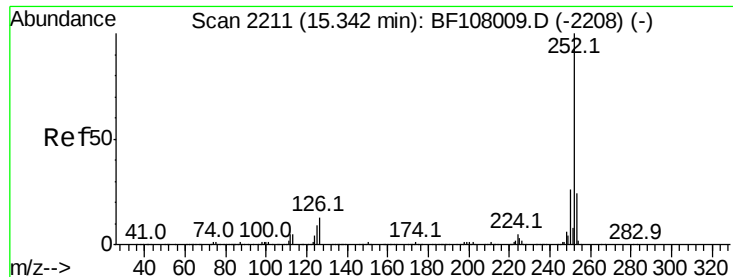
Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Tgt Ion:	252	Resp:	142107
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	11.0	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 9.704 ng

RT: 15.29 min Scan# 2202

Delta R.T. -0.05 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Instrument :

BNA_F

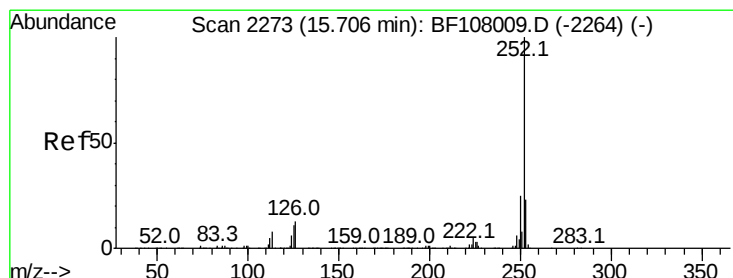
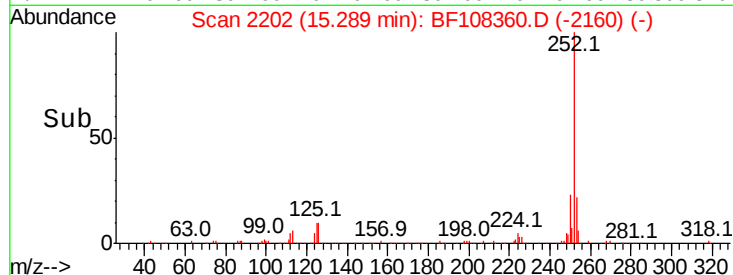
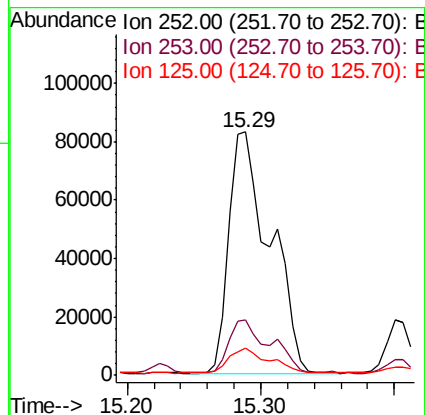
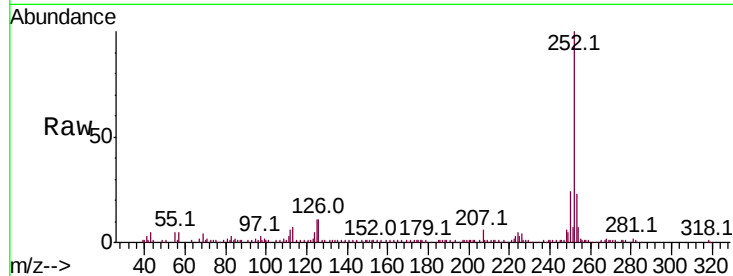
ClientSampleId :

CL-01-082018-D

Tot Ion:	252	Resp:	179660
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	11.0	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 5.352 ng

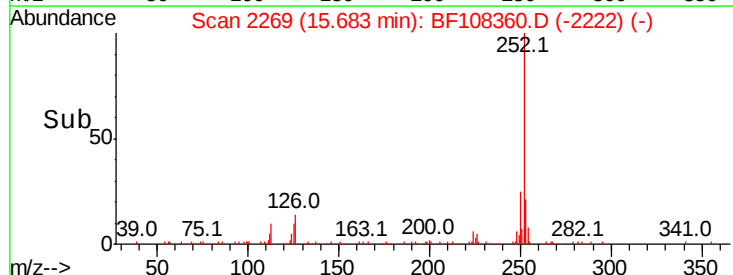
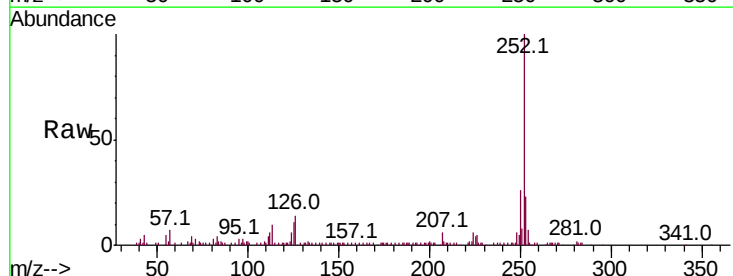
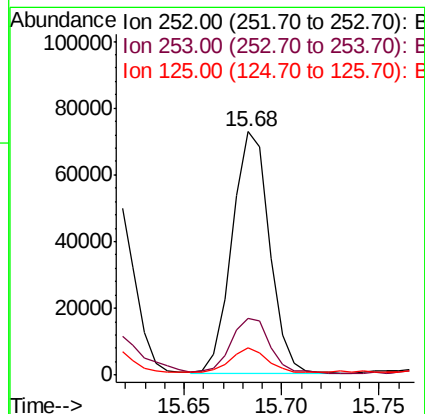
RT: 15.68 min Scan# 2269

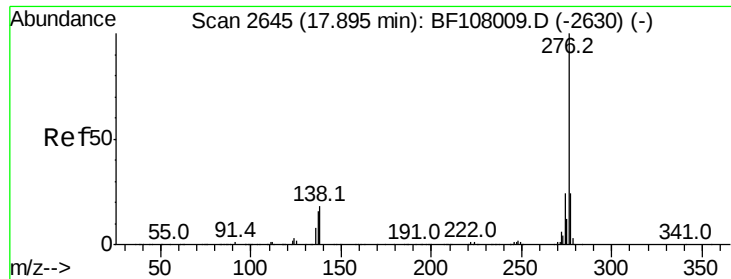
Delta R.T. -0.02 min

Lab File: BF108360.D

Acq: 22 Aug 2018 1:42

Tgt Ion:	252	Resp:	96525
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	11.4	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.095 ng
 RT: 17.85 min Scan# 2638
 Delta R.T. -0.04 min
 Lab File: BF108360.D
 Acq: 22 Aug 2018 1:42

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-D

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	16.8	21.8	32.8

Manual Integrations
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