

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108650.D
 Acq On : 30 Aug 2018 19:50
 Operator : JU/SJ
 Sample : J4275-21 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-082918-B

Manual Integrations
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Sohil
 8/31/2018 12:18:19 PM

Quant Time: Aug 31 09:16:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	85889	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	367380	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	168887	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	288995	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	283112	20.00	ng	0.00
86) Perylene-d12	15.75	264	282751	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	152399	30.82	ng	0.02
7) Phenol-d6	6.65	99	286232	40.42	ng	0.00
23) Nitrobenzene-d5	7.57	82	191779	26.50	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	72714	32.61	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	367500	29.26	ng	0.00
78) Terphenyl-d14	13.12	244	311962	21.41	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.75	163	33569	2.524	ng	# 97
74) Fluoranthene	12.76	202	41656	2.537	ng	95
80) Benzo(a)anthracene	14.18	228	44213	2.562	ng	# 85
82) Chrysene	14.22	228	54544m	3.286	ng	
85) Indeno(1,2,3-cd)pyrene	17.37	276	54088	4.687	ng	# 86
87) Benzo(b)fluoranthene	15.28	252	108619m	6.254	ng	
88) Benzo(k)fluoranthene	15.31	252	41669m	2.422	ng	
89) Benzo(a)pyrene	15.68	252	72100	4.593	ng	96
91) Benzo(g,h,i)perylene	17.86	276	47708	3.916	ng	# 88

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

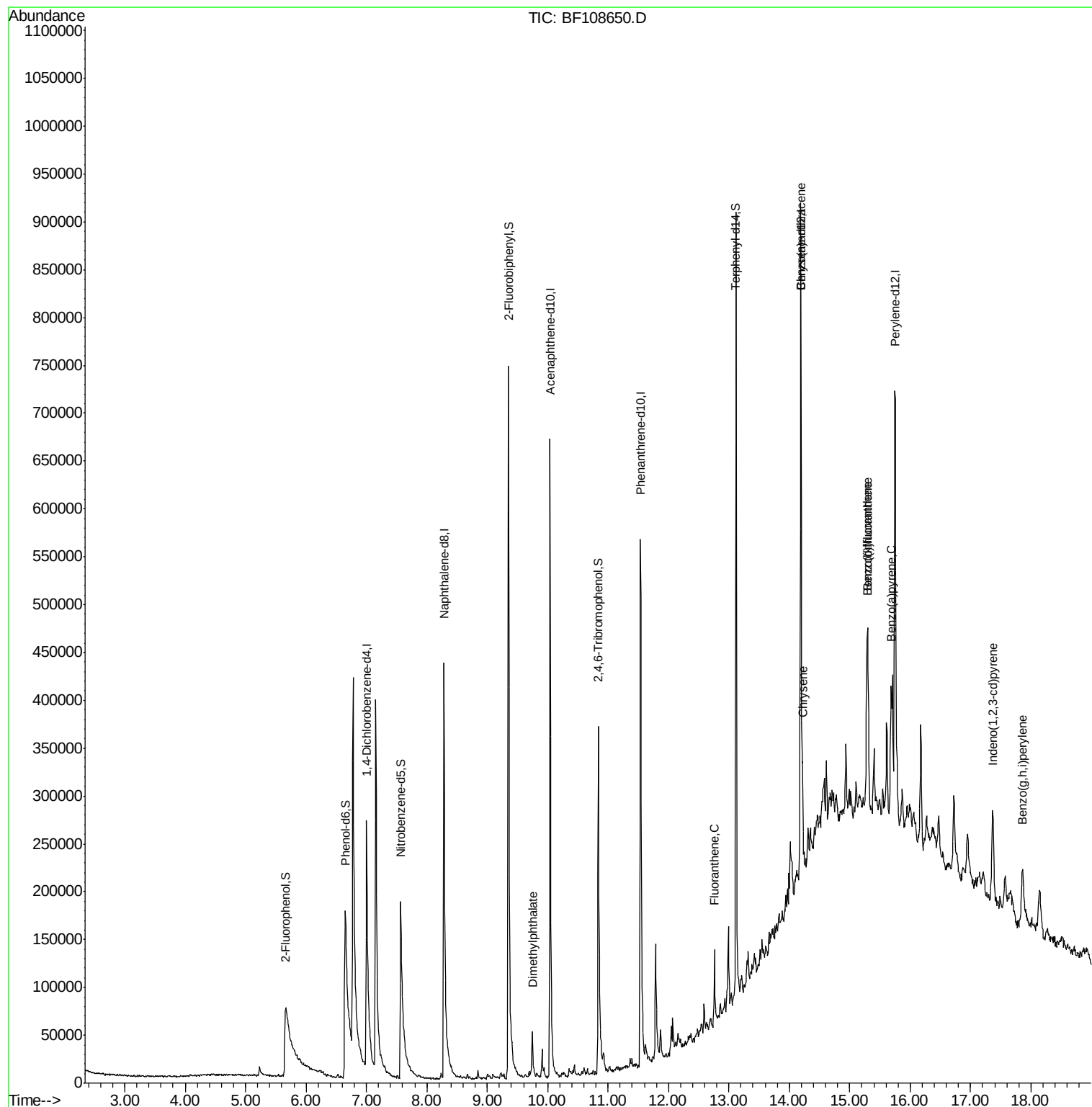
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

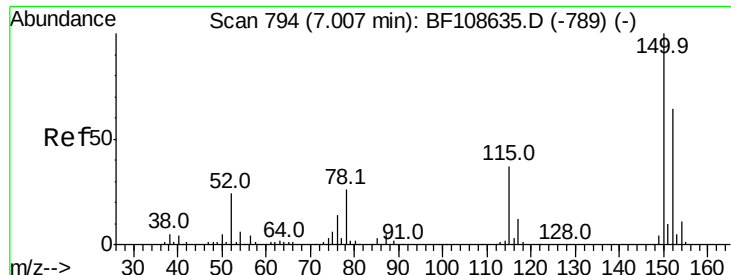
Instrument :
BNA_F
ClientSampleId :
CL-02-082918-B

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#1

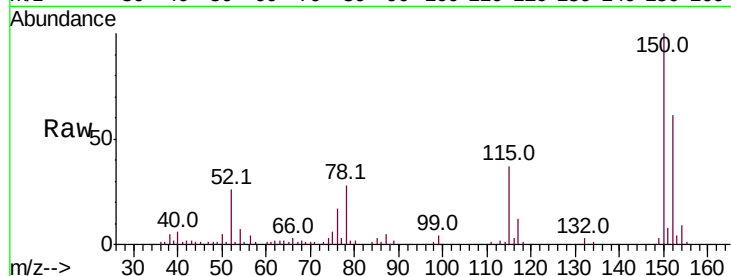
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :
CL-02-082918-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	124.6	186.8
115	60.5	50.1	75.1

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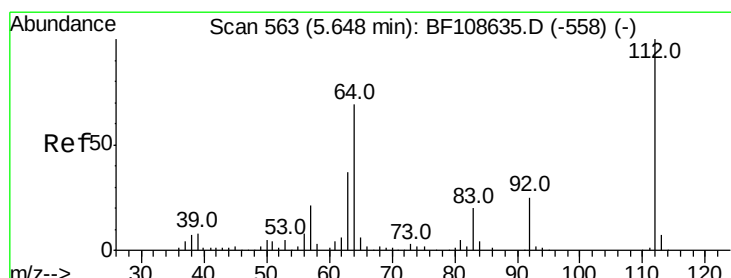
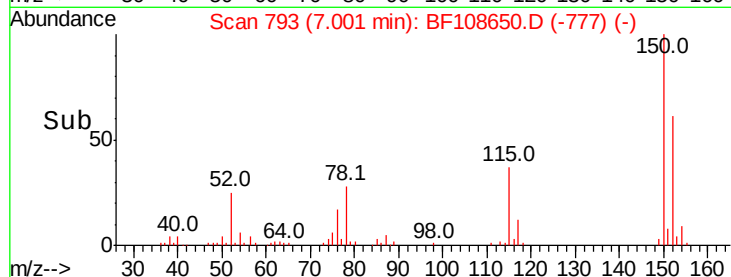
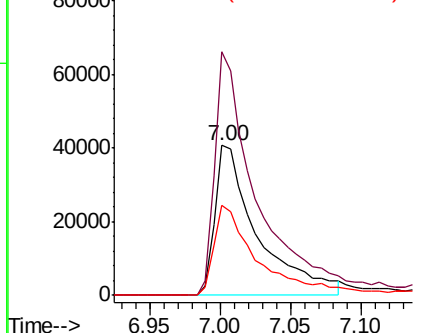


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

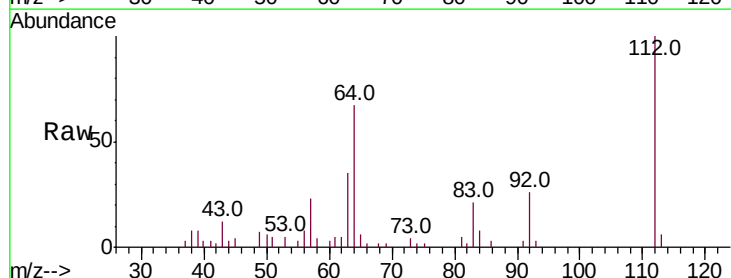
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 30.824 ng
RT: 5.67 min Scan# 566
Delta R.T. 0.02 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	47.9	71.9
63	34.6	23.7	35.5

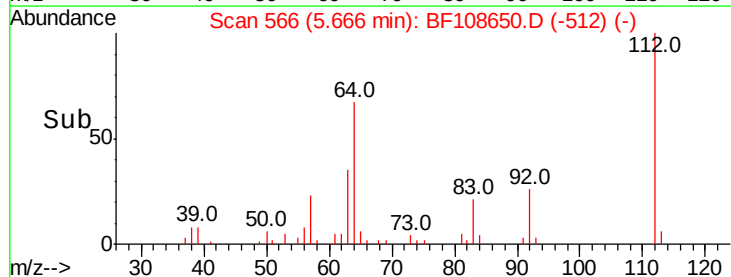
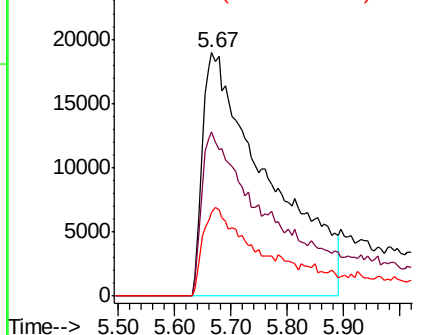


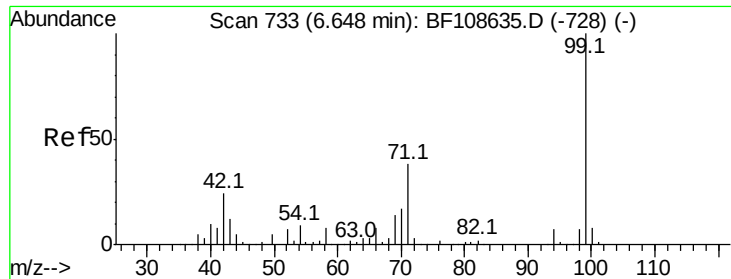
Abundance

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: 40.421 ng

RT: 6.65 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

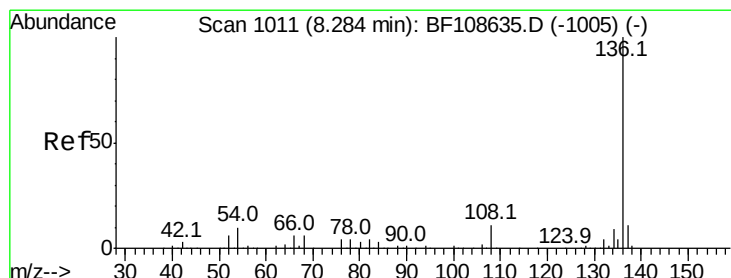
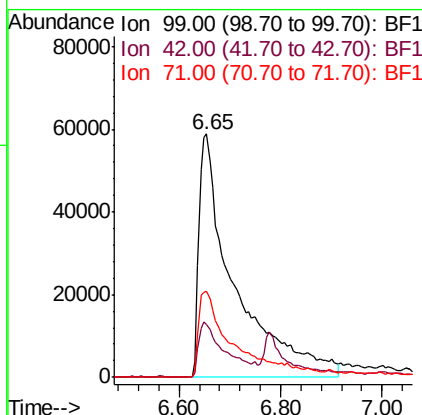
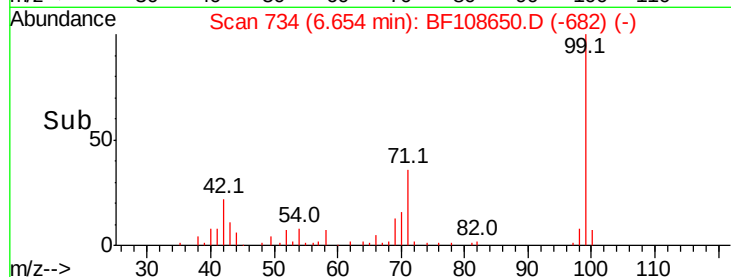
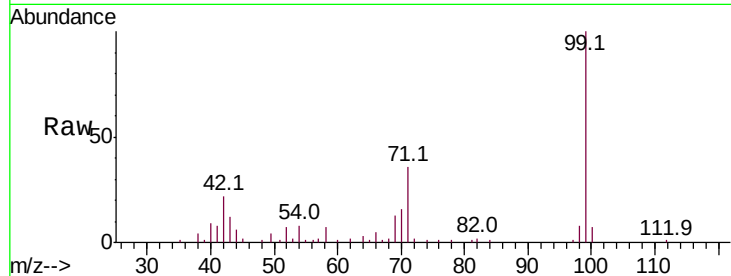
ClientSampled :

CL-02-082918-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		286232		
42	21.8	14.5	21.7#		
71	35.6	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

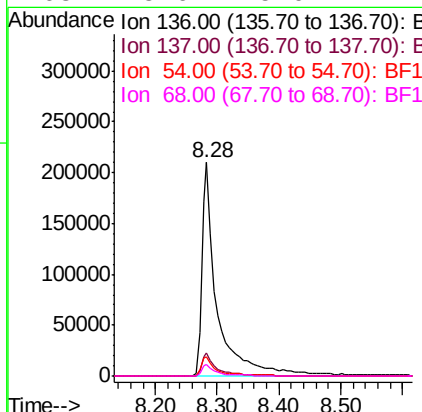
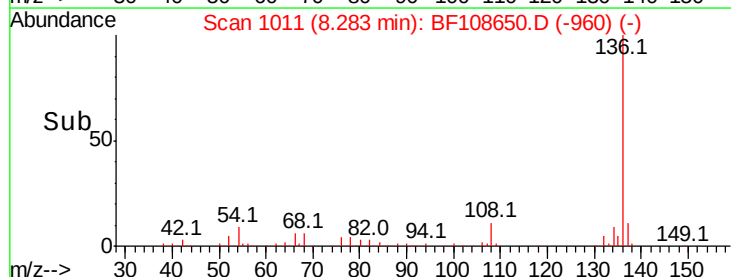
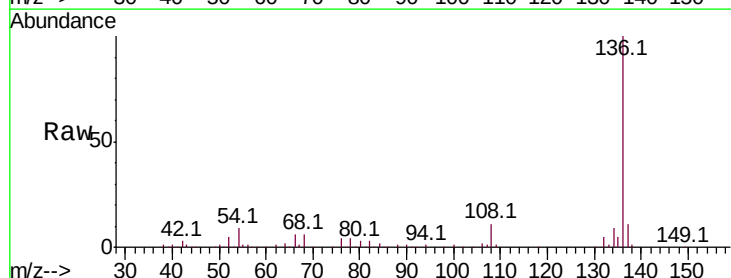
RT: 8.28 min Scan# 1011

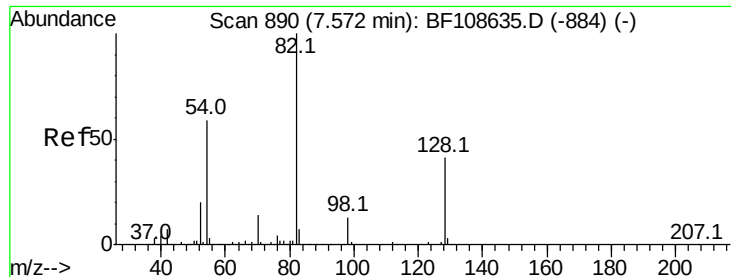
Delta R.T. -0.00 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		367380		
137	10.9	8.9	13.3		
54	8.9	6.6	9.8		
68	5.6	5.0	7.4		





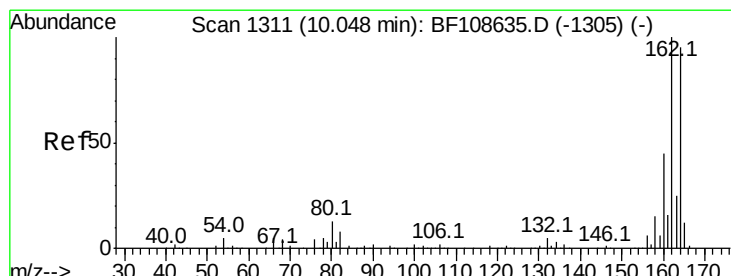
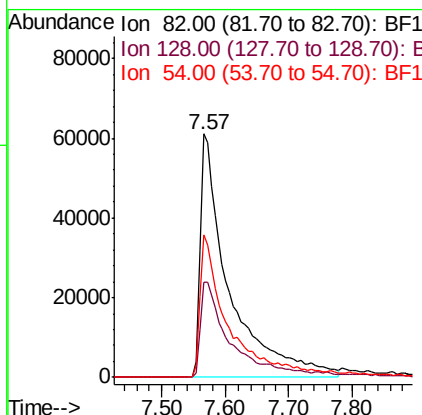
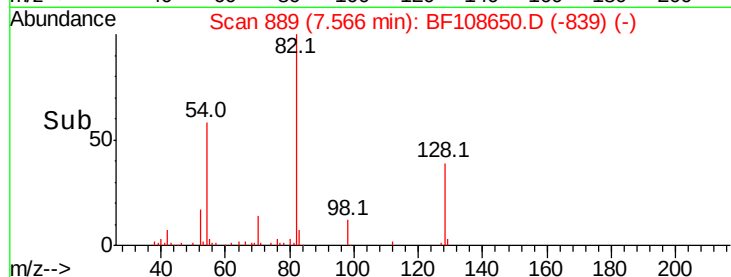
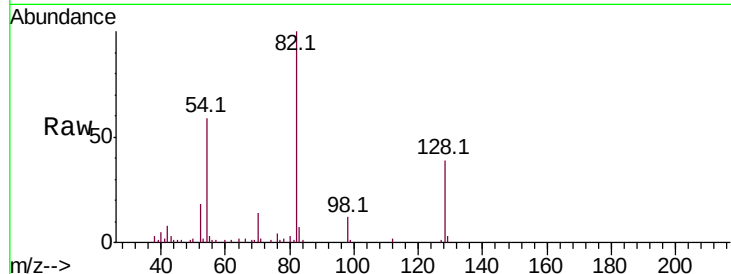
#23
 Nitrobenzene-d5
 Concen: 26.497 ng
 RT: 7.57 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF108650.D
 Acq: 30 Aug 2018 19:50

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-082918-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.1	36.1	54.1
54	58.7	41.4	62.2

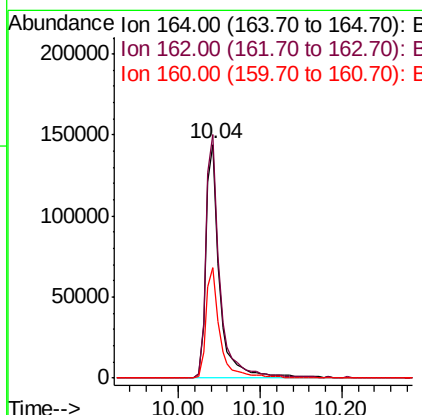
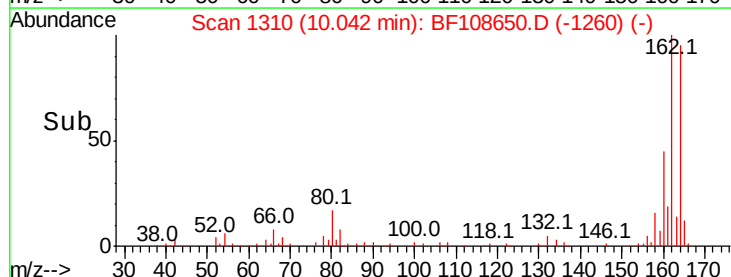
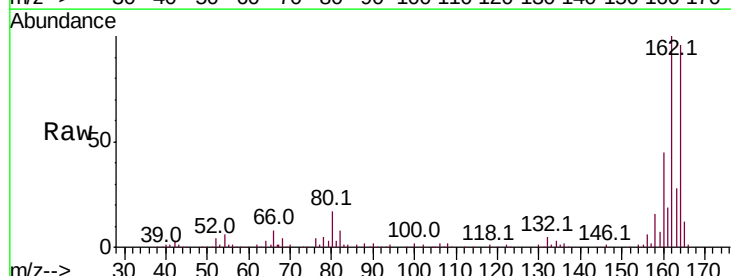
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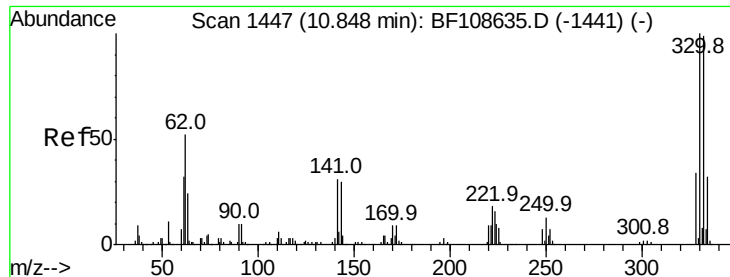
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108650.D
 Acq: 30 Aug 2018 19:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	47.0	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 32.614 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

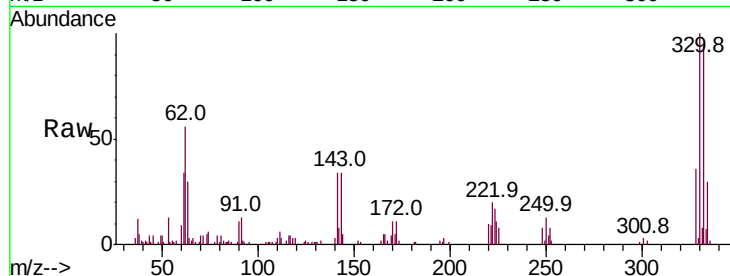
ClientSampleId :

CL-02-082918-B

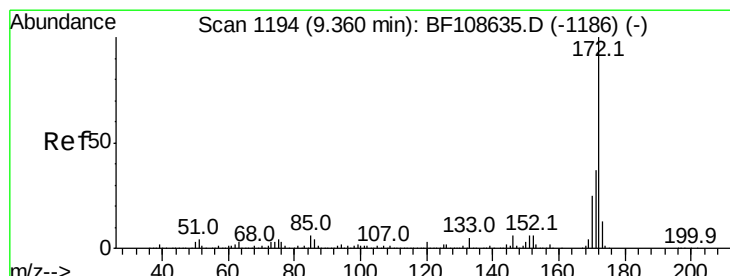
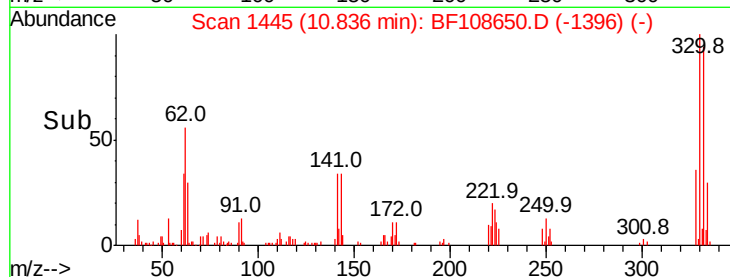
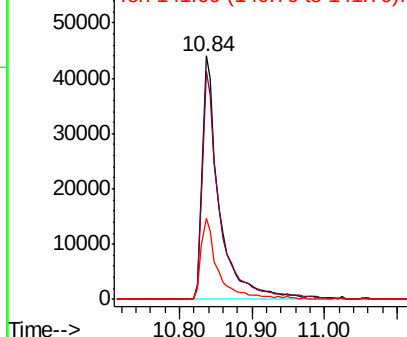
Tot Ion:	330	Resp:	72714
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.0	115.6
141	33.7	29.9	44.9

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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: 29.258 ng

RT: 9.35 min Scan# 1193

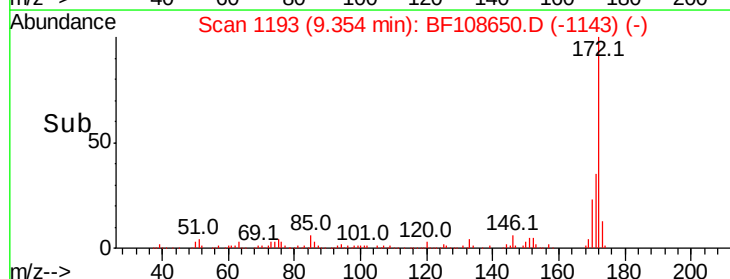
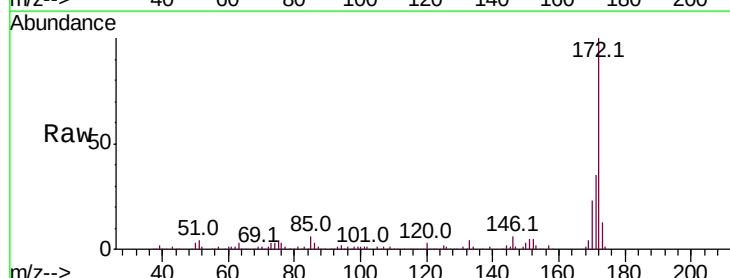
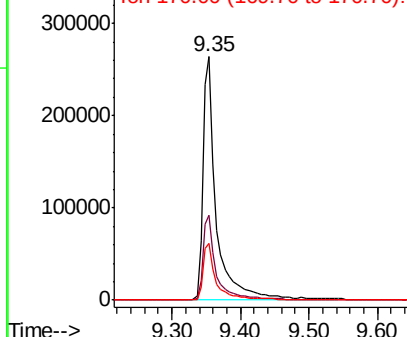
Delta R.T. -0.01 min

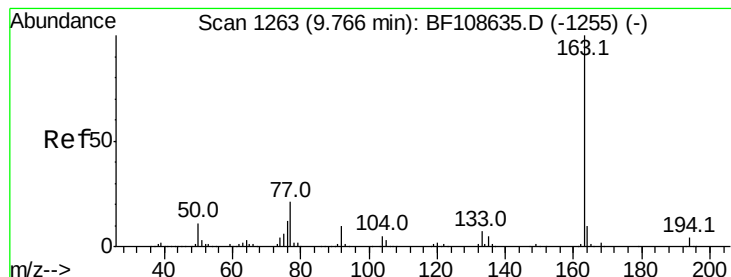
Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Tgt Ion:	172	Resp:	367500
Ion Ratio	Lower	Upper	
172	100		
171	34.8	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





#49

Dimethylphthalate

Concen: 2.524 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

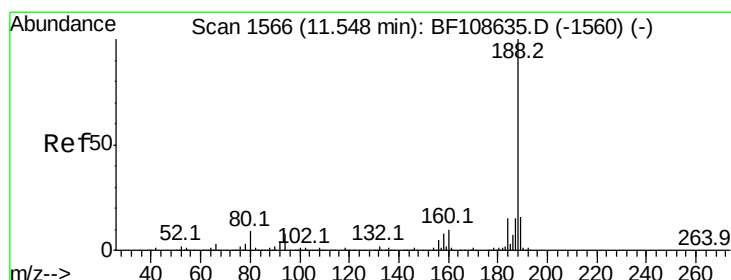
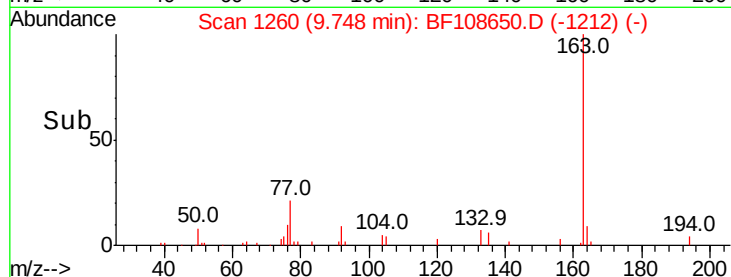
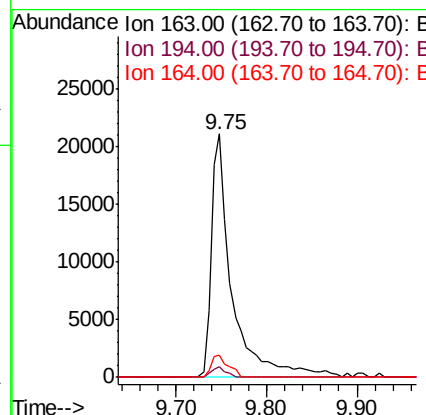
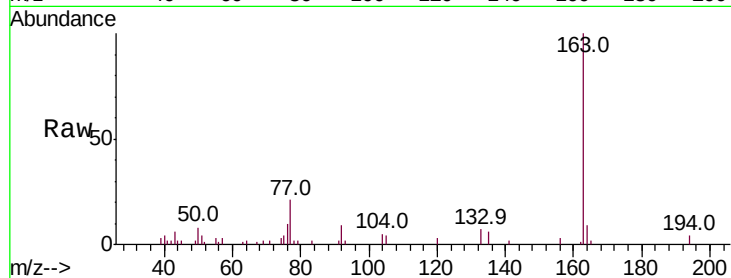
ClientSampleId :

CL-02-082918-B

Tot Ion:	163	Resp:	33569
Ion Ratio	Lower	Upper	
163	100		
194	4.2	2.7	4.1#
164	9.2	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

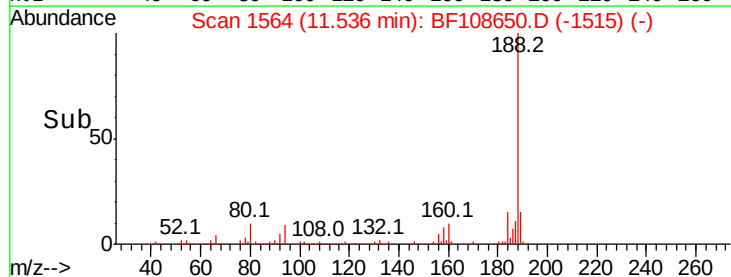
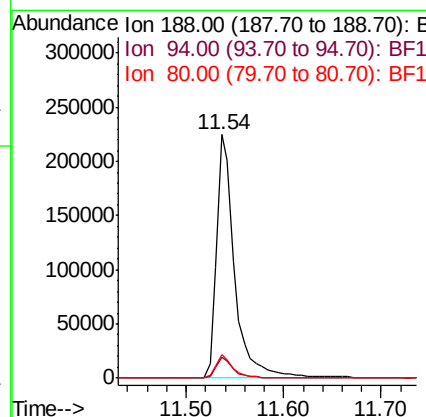
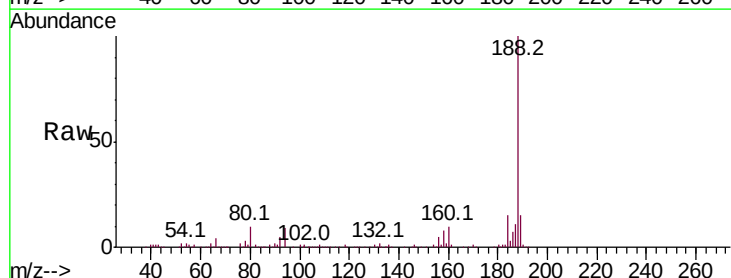
RT: 11.54 min Scan# 1564

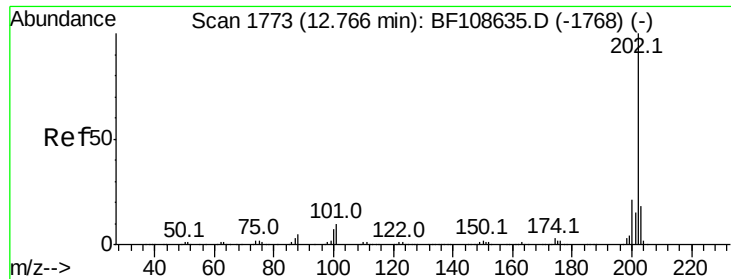
Delta R.T. -0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Tgt Ion:	188	Resp:	288995
Ion Ratio	Lower	Upper	
188	100		
94	8.8	8.5	12.7
80	9.7	9.2	13.8





#74

Fluoranthene

Concen: 2.537 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

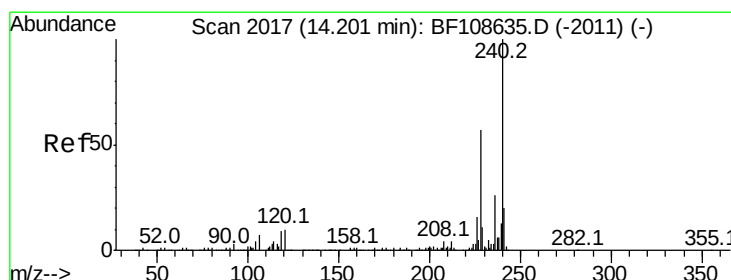
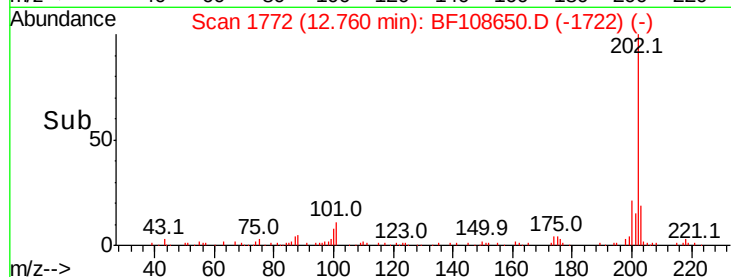
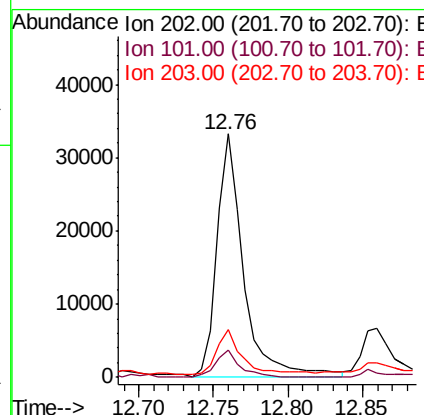
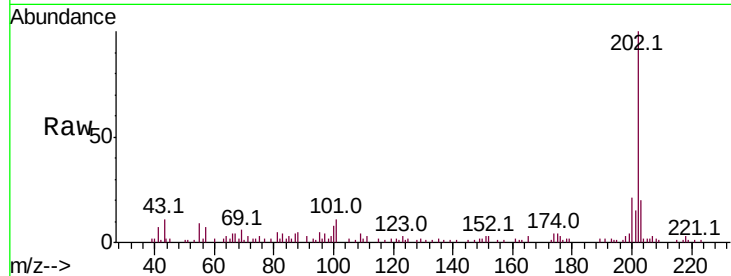
ClientSampleId :

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Tot Ion:	202	Resp:	41656
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	34.1
203	19.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

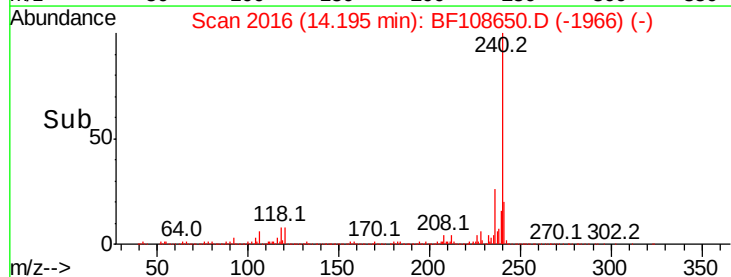
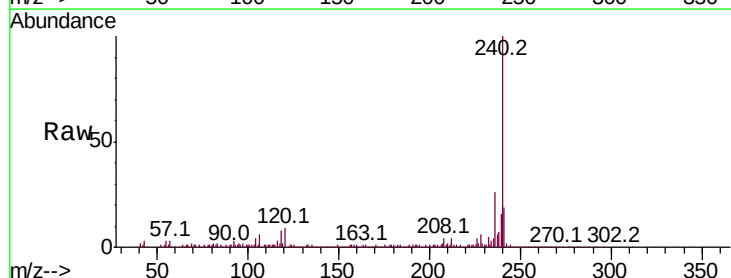
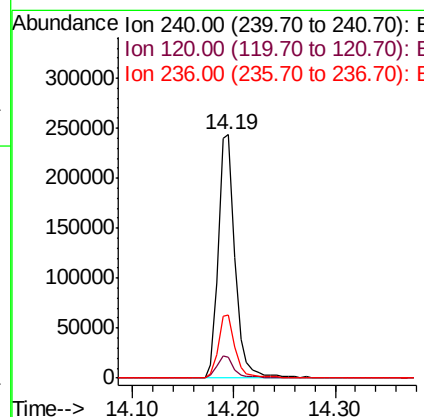
RT: 14.19 min Scan# 2016

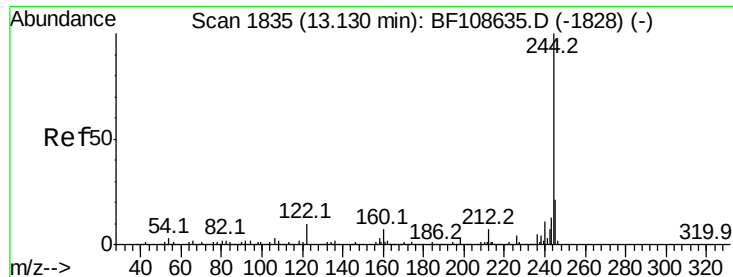
Delta R.T. -0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Tgt Ion:	240	Resp:	283112
Ion Ratio	Lower	Upper	
240	100		
120	8.7	9.5	14.3#
236	26.0	20.7	31.1





#78

Terphenyl-d14

Concen: 21.409 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

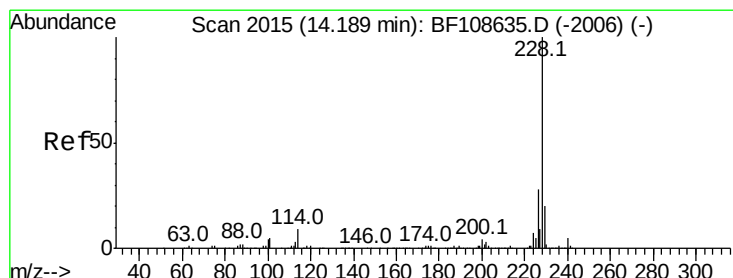
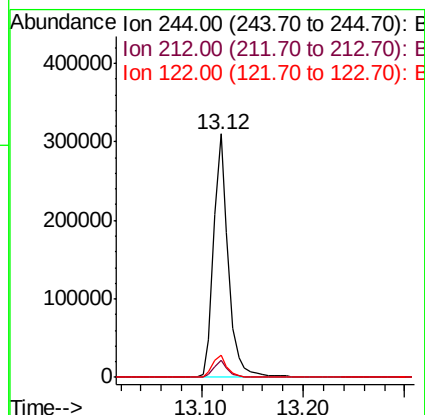
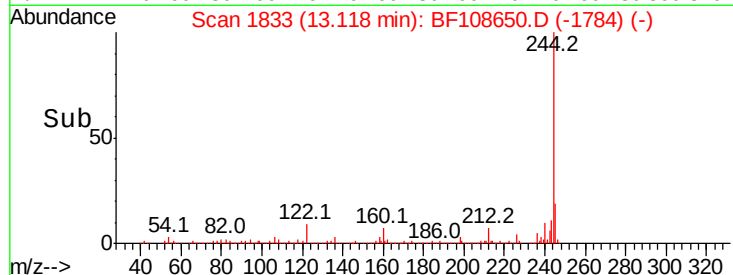
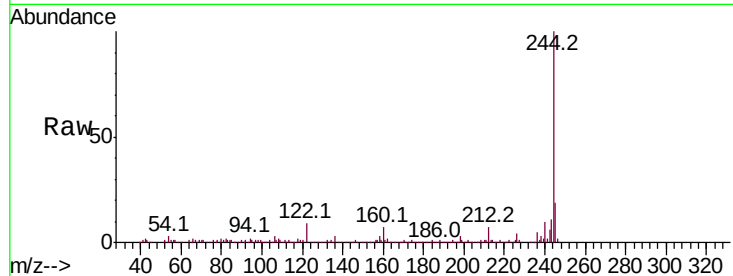
ClientSampleId :

CL-02-082918-B

Tot Ion:	244	Resp:	311962
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	9.0	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 2.562 ng

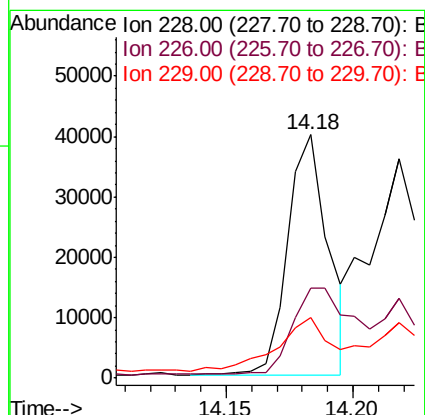
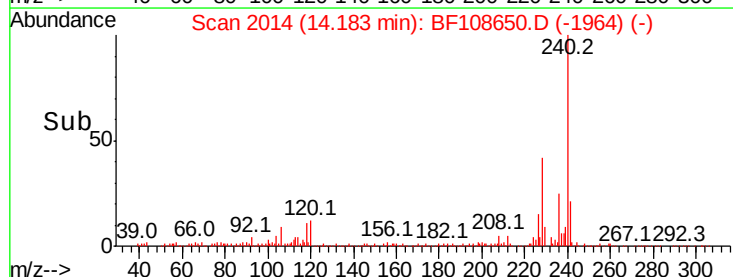
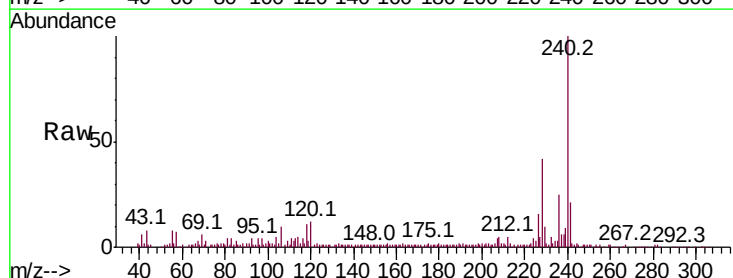
RT: 14.18 min Scan# 2014

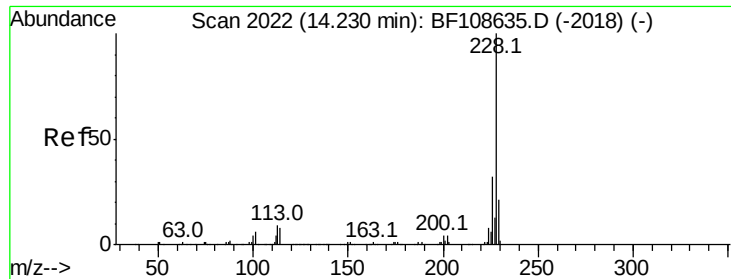
Delta R.T. -0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Tgt Ion:	228	Resp:	44213
Ion Ratio	Lower	Upper	
228	100		
226	37.2	22.6	33.8#
229	24.7	15.8	23.6#





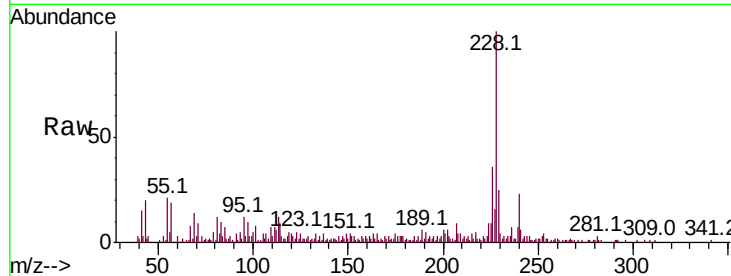
#82
Chrysene
Concen: 3.286 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :
CL-02-082918-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.5	25.0	37.6
229	25.1	16.2	24.4

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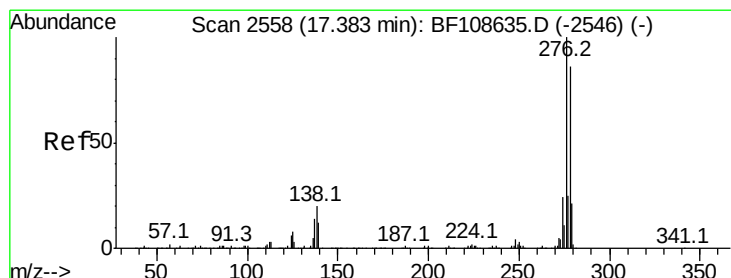
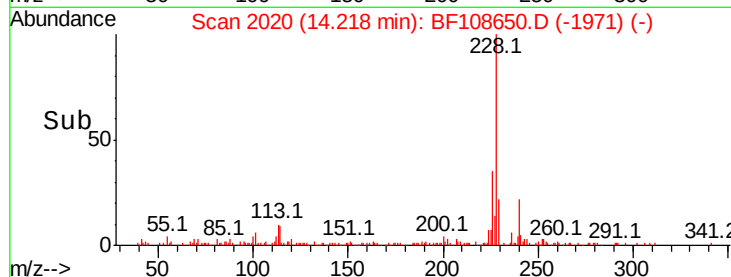
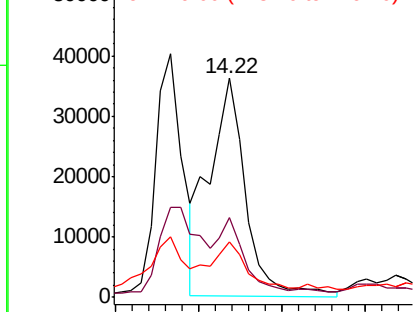


Abundance

Ion 228.00 (227.70 to 228.70): E

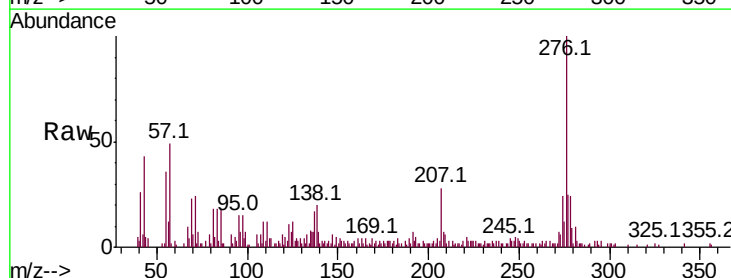
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.687 ng
RT: 17.37 min Scan# 2555
Delta R.T. -0.02 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	25.0	37.6
277	24.7	20.1	30.1

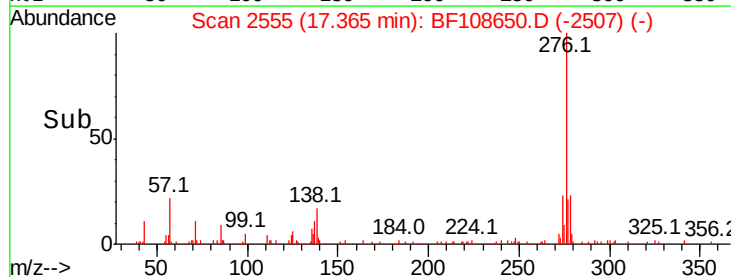
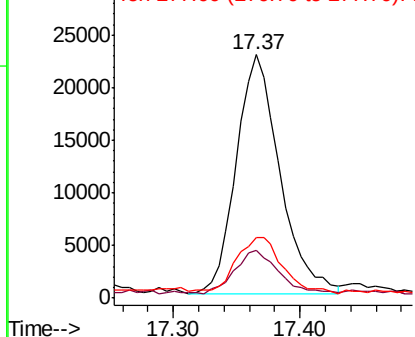


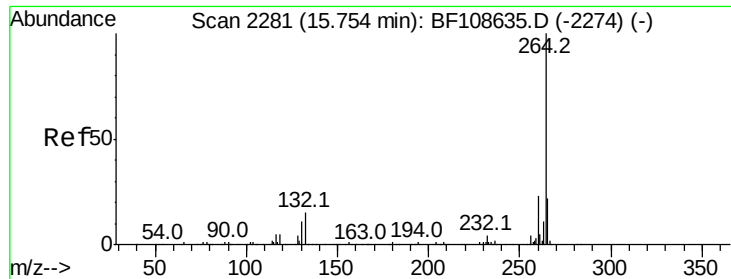
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108650.D

Acq: 30 Aug 2018 19:50

Instrument :

BNA_F

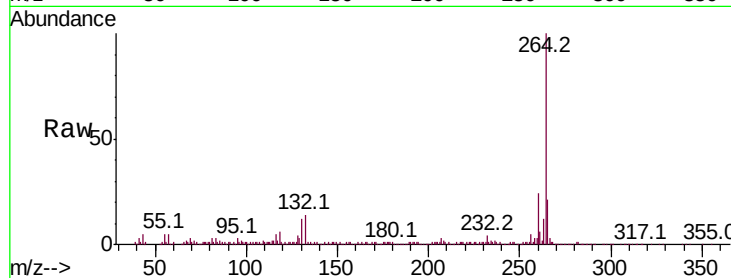
ClientSampleId :

CL-02-082918-B

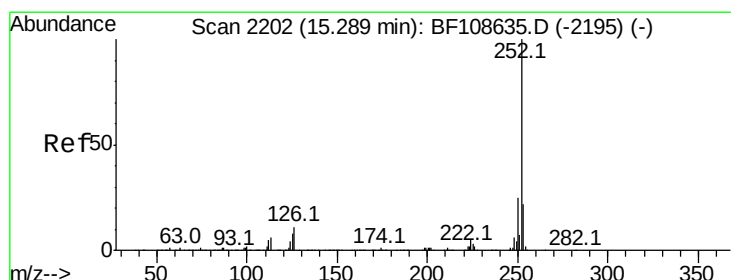
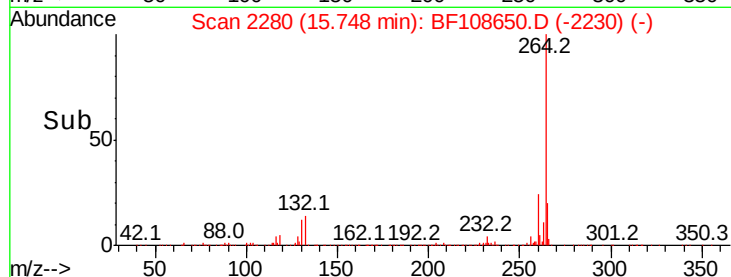
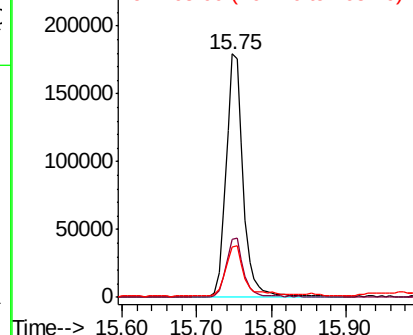
Tot Ion:	264	Resp:	282751
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	20.5	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 6.254 ng m

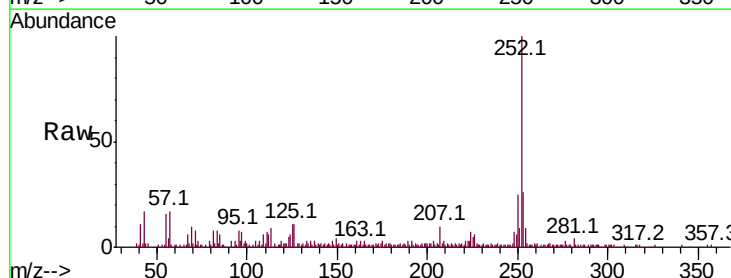
RT: 15.28 min Scan# 2201

Delta R.T. -0.01 min

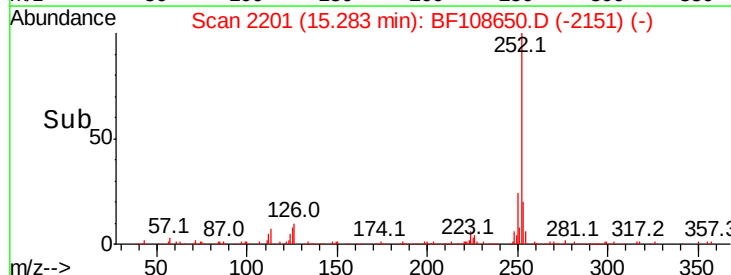
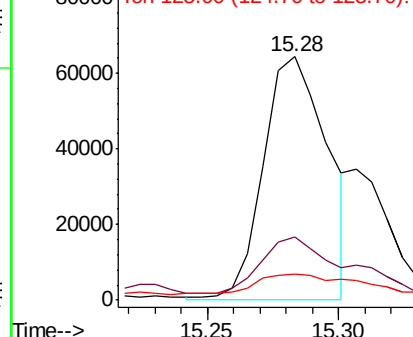
Lab File: BF108650.D

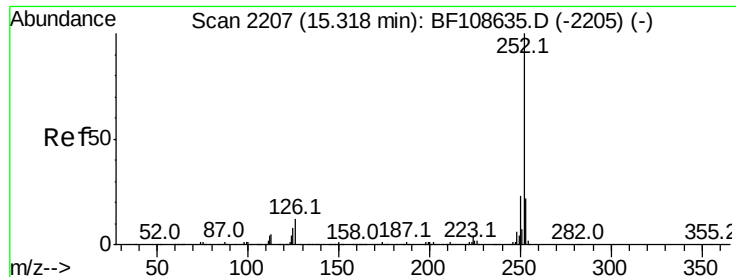
Acq: 30 Aug 2018 19:50

Tgt Ion:	252	Resp:	108619
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.0	25.6#
125	10.8	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





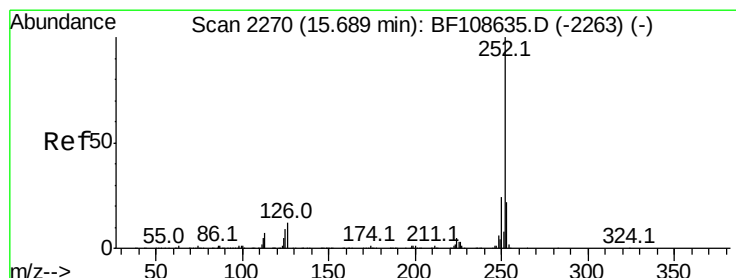
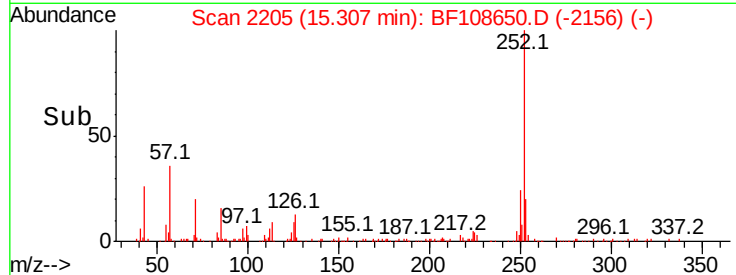
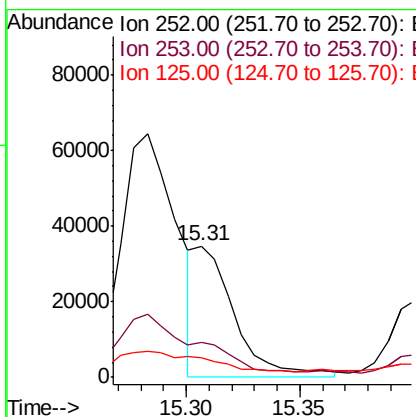
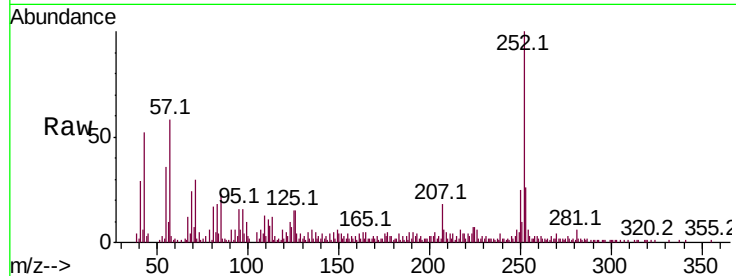
#88
Benzo(k)fluoranthene
Concen: 2.422 ng/mL
RT: 15.31 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :
CL-02-082918-B

Tot Ion:	252	Resp:	41669
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.9	26.9
125	14.9	10.2	15.2

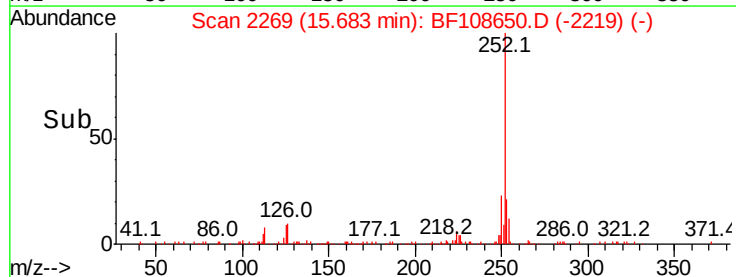
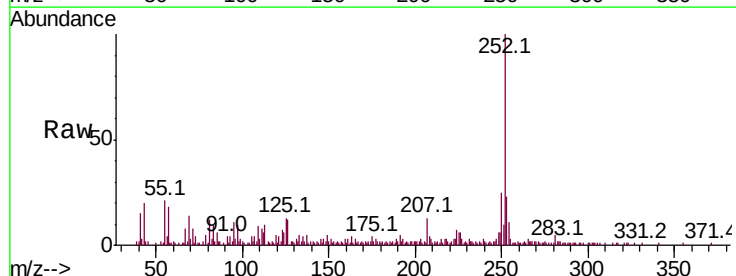
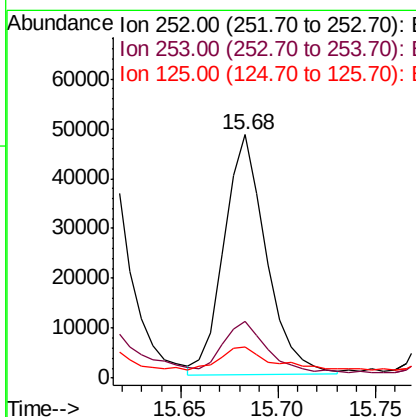
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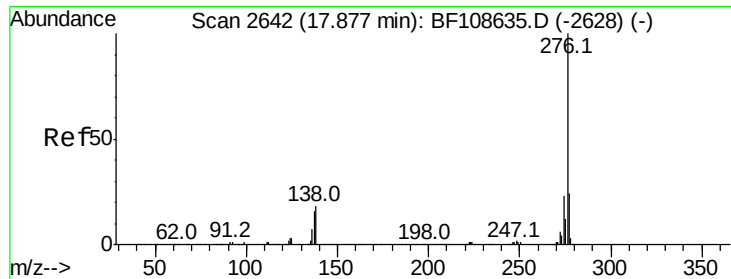
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#89
Benzo(a)pyrene
Concen: 4.593 ng/mL
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108650.D
Acq: 30 Aug 2018 19:50

Tgt Ion:	252	Resp:	72100
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.1	25.7
125	13.1	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.916 ng
 RT: 17.86 min Scan# 2639
 Delta R.T. -0.02 min
 Lab File: BF108650.D
 Acq: 30 Aug 2018 19:50

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-082918-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	19.2	21.8	32.8

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