

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
 Data File : BF109047.D
 Acq On : 17 Sep 2018 14:45
 Operator : JU/SJ
 Sample : J4773-07 4X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-D

Manual Integrations
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Sohil
 9/18/2018 6:00:05 PM

Quant Time: Sep 17 17:04:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	132360	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	454014	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	197688	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	384125	20.00	ng	0.00
75) Chrysene-d12	13.85	240	386824	20.00	ng	0.00
86) Perylene-d12	15.26	264	330072	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	208818	26.20	ng	0.00
7) Phenol-d6	6.35	99	261985	25.49	ng	-0.01
23) Nitrobenzene-d5	7.27	82	150224	18.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	52522	24.48	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	260915	20.68	ng	0.00
78) Terphenyl-d14	12.81	244	271288	16.62	ng	0.00
Target Compounds						
57) Fluorene	10.30	166	31206	2.725	ng	99
70) Phenanthrene	11.25	178	247800	13.160	ng	97
71) Anthracene	11.30	178	87578	4.588	ng	98
74) Fluoranthene	12.44	202	543085	27.320	ng	96
77) Pyrene	12.66	202	491271	17.098	ng	99
80) Benzo(a)anthracene	13.84	228	269483	11.507	ng	97
82) Chrysene	13.88	228	231052	9.861	ng	98
85) Indeno(1,2,3-cd)pyrene	16.61	276	99654m	5.320	ng	
87) Benzo(b)fluoranthene	14.86	252	282560m	15.474	ng	
88) Benzo(k)fluoranthene	14.88	252	97903m	5.740	ng	
89) Benzo(a)pyrene	15.20	252	194012	11.964	ng	98
91) Benzo(a,h,i)perylene	17.01	276	86469	6.348	ng	92

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

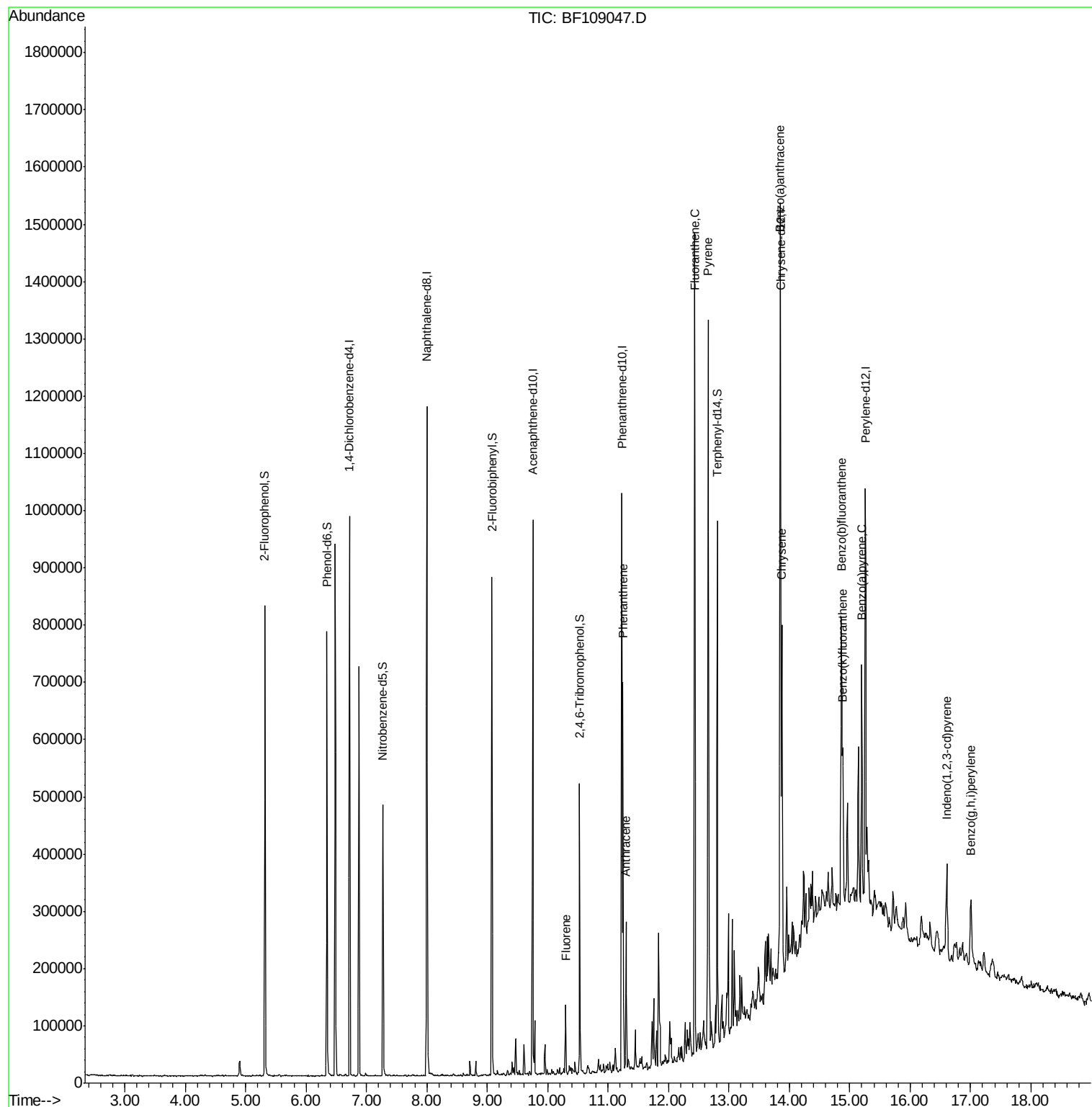
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109047.D
Acq On : 17 Sep 2018 14:45
Operator : JU/SJ
Sample : J4773-07 4X
Misc :
ALS Vial : 11 Sample Multiplier: 1

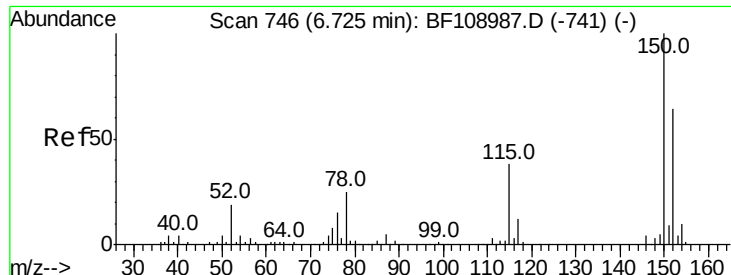
Instrument :
BNA_F
ClientSampleID :
CL-01-091418-D

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

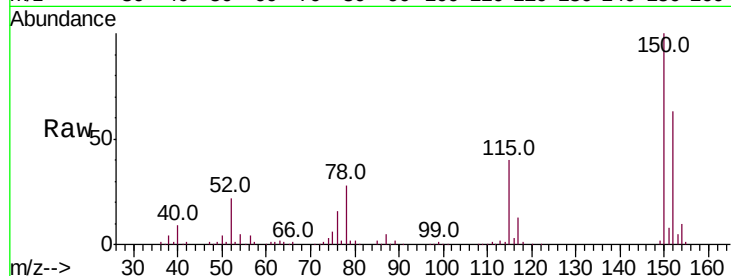
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	62.6	50.1	75.1

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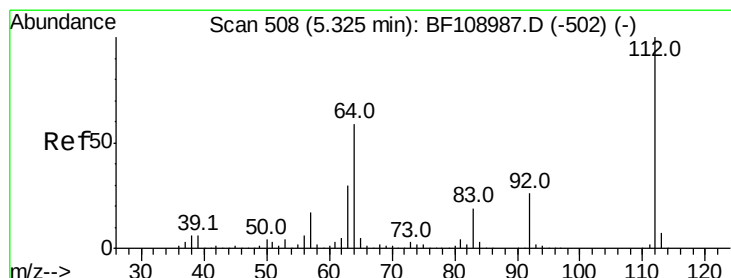
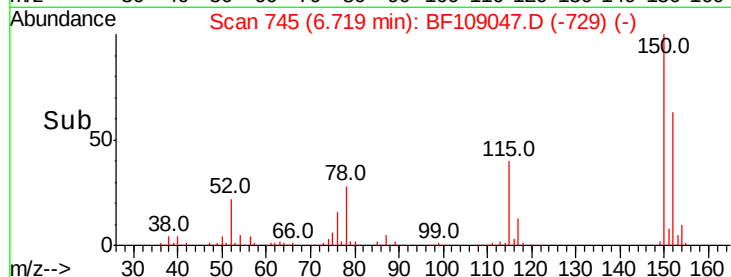
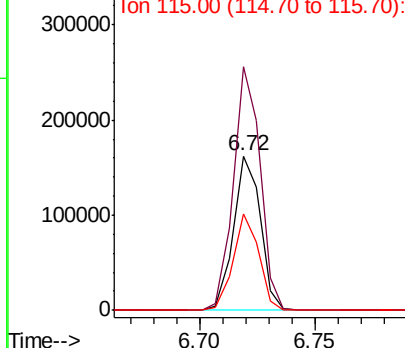


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

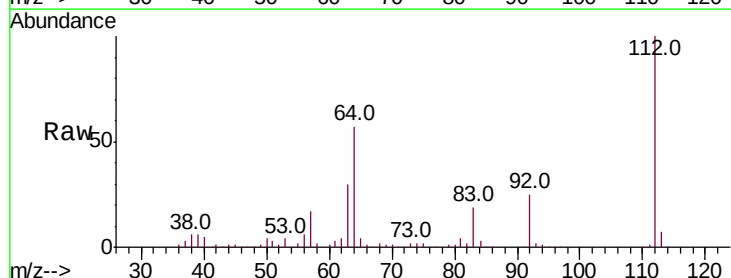
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 26.203 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	30.1	23.7	35.5

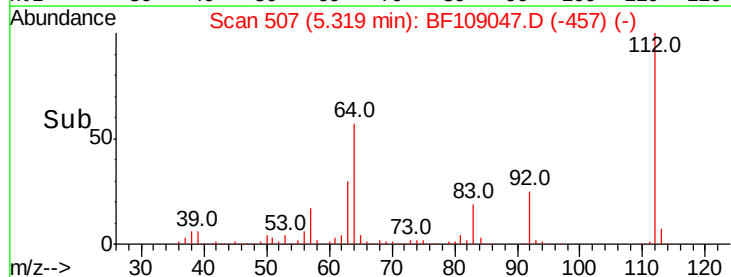
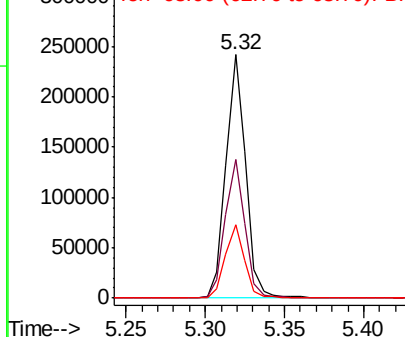


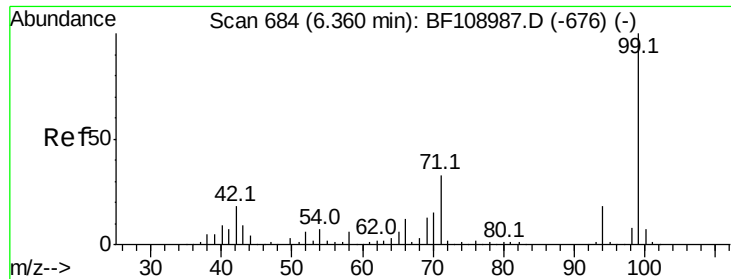
Abundance

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: 25.495 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109047.D

Acq: 17 Sep 2018 14:45

Instrument :

BNA_F

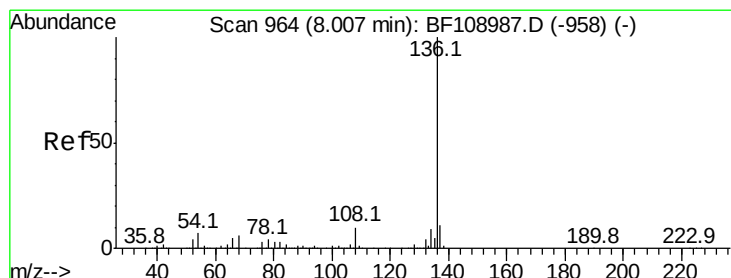
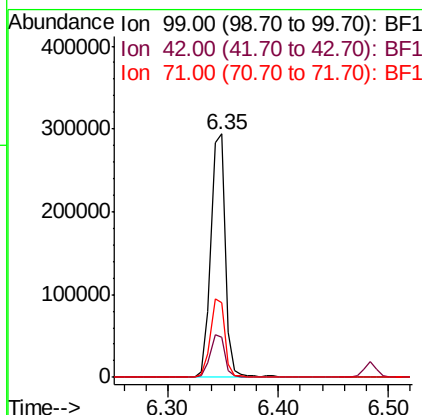
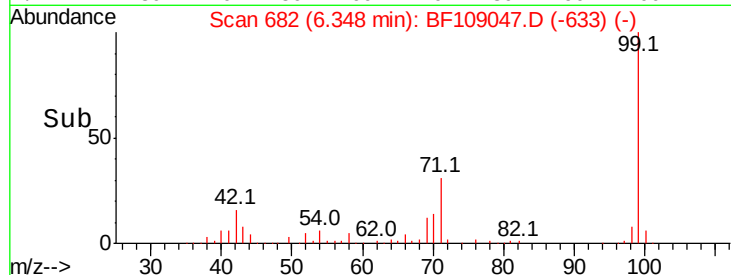
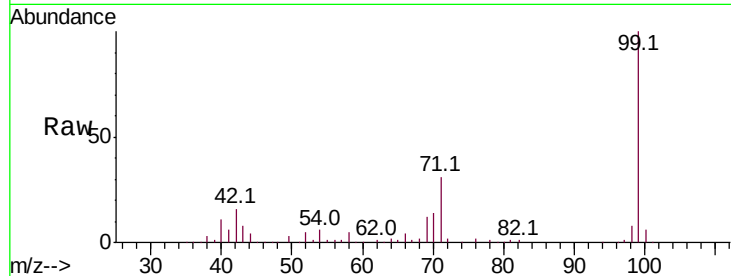
ClientSampled :

CL-01-091418-D

Tot Ion:	99	Resp:	261985
Ion Ratio	Lower	Upper	
99	100		
42	16.4	14.5	21.7
71	30.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

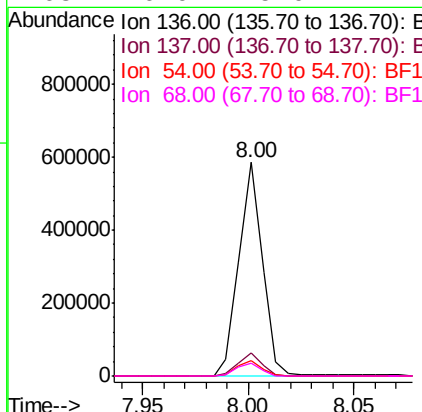
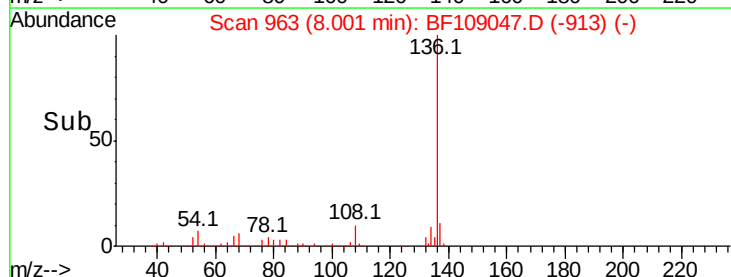
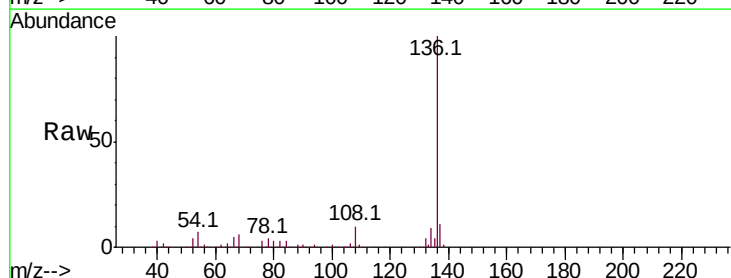
RT: 8.00 min Scan# 963

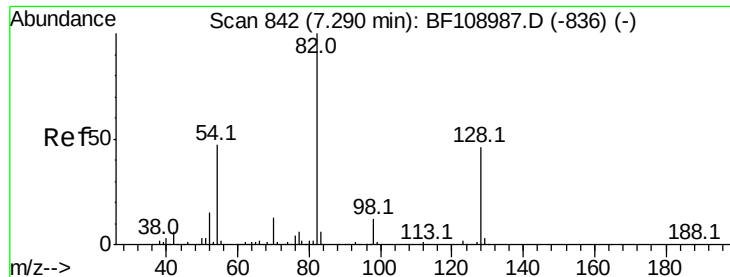
Delta R.T. -0.01 min

Lab File: BF109047.D

Acq: 17 Sep 2018 14:45

Tgt Ion:	136	Resp:	454014
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.3	6.6	9.8
68	6.0	5.0	7.4





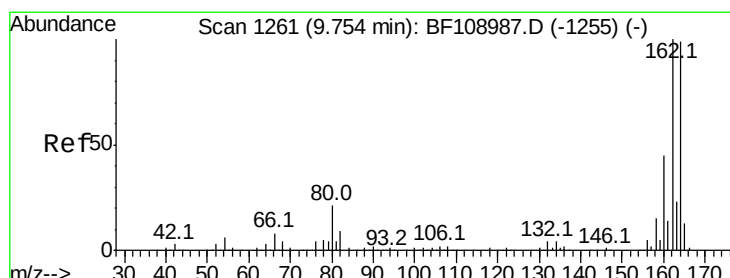
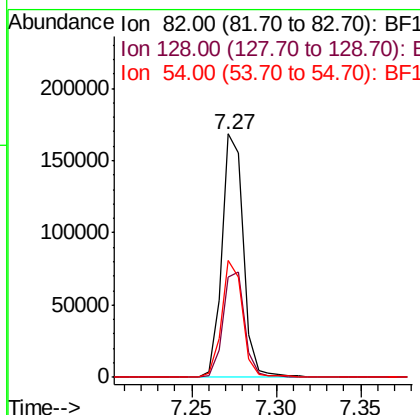
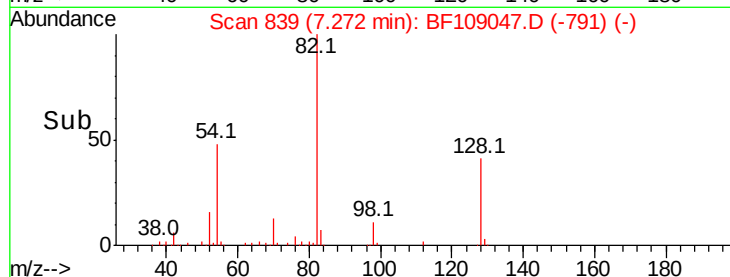
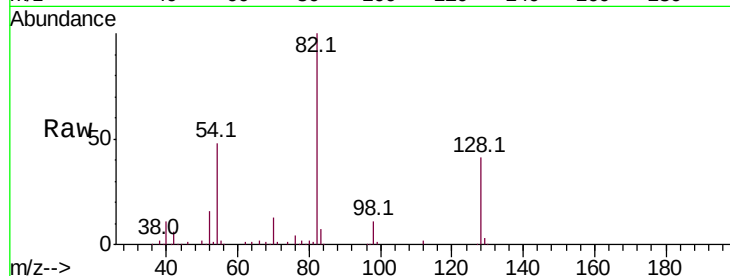
#23
 Nitrobenzene-d5
 Concen: 18.558 ng
 RT: 7.27 min Scan# 839
 Delta R.T. -0.02 min
 Lab File: BF109047.D
 Acq: 17 Sep 2018 14:45

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	36.1	54.1
54	48.0	41.4	62.2

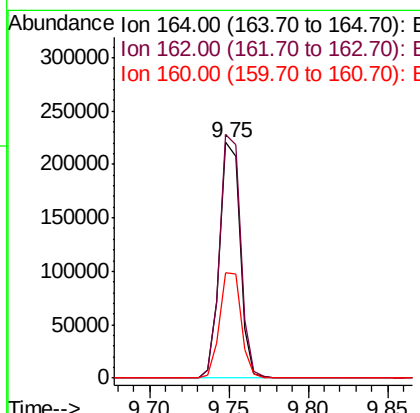
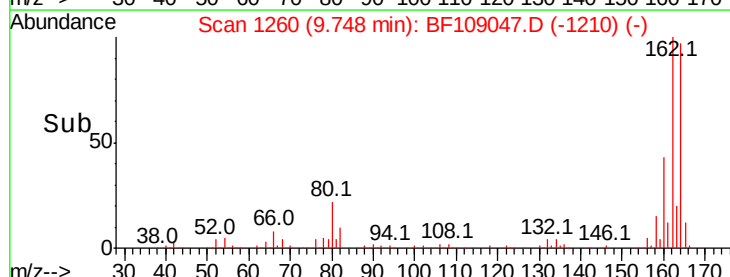
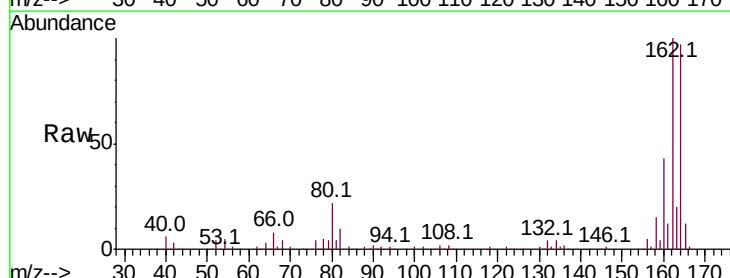
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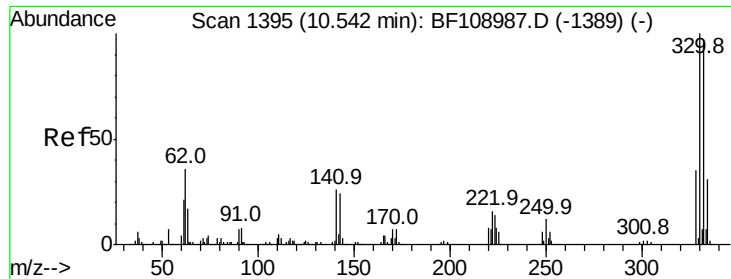
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF109047.D
 Acq: 17 Sep 2018 14:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	44.8	38.3	57.5





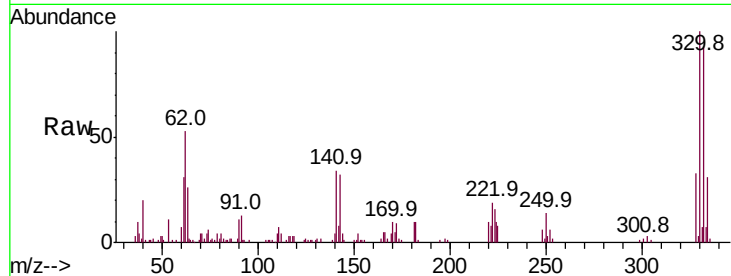
#41
 2,4,6-Tribromophenol
 Concen: 24.481 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109047.D
 Acq: 17 Sep 2018 14:45

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-D

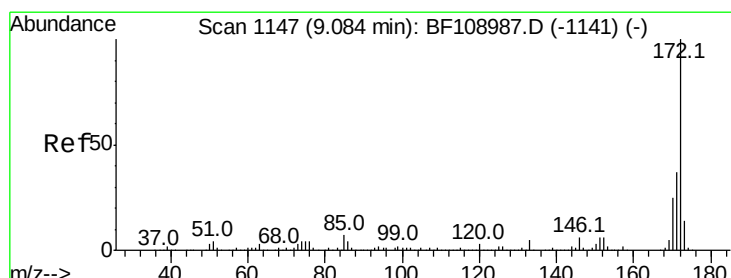
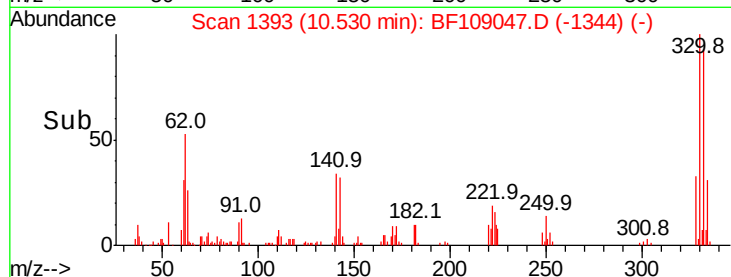
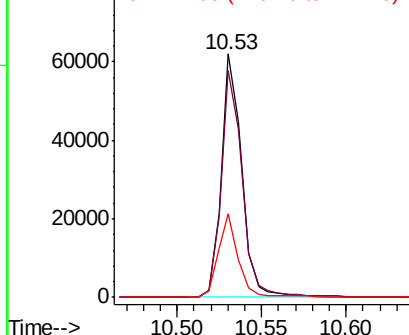
Tot Ion	Ratio	Resp	Lower	Upper
330	100	52522		
332	96.0		77.0	115.6
141	33.7		29.9	44.9

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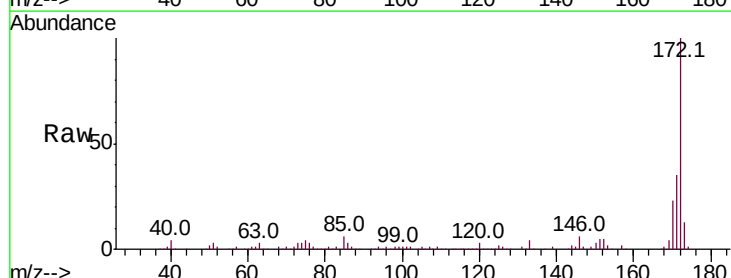


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

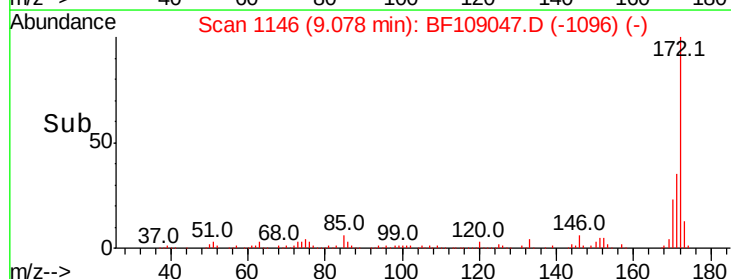
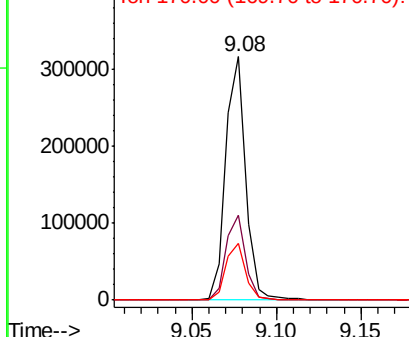


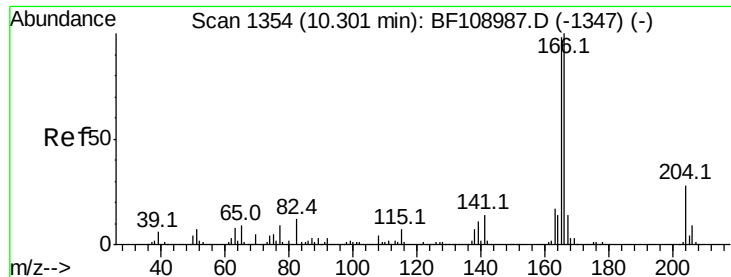
#44
 2-Fluorobiphenyl
 Concen: 20.678 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109047.D
 Acq: 17 Sep 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	260915		
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





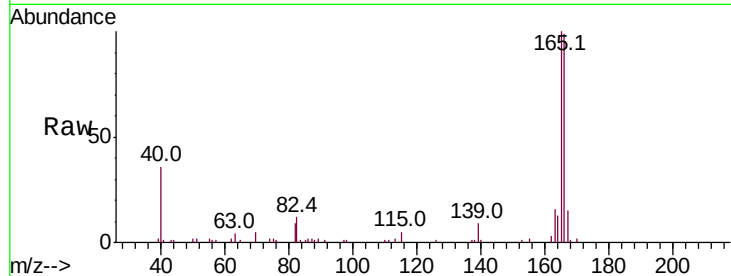
#57
Fluorene
 Concen: 2.725 ng
 RT: 10.30 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF109047.D
 Acq: 17 Sep 2018 14:45

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-D

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.8	79.8	119.8
167	14.9	10.6	16.0

Manual Integrations
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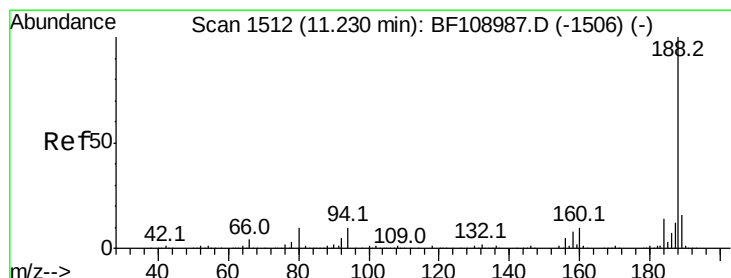
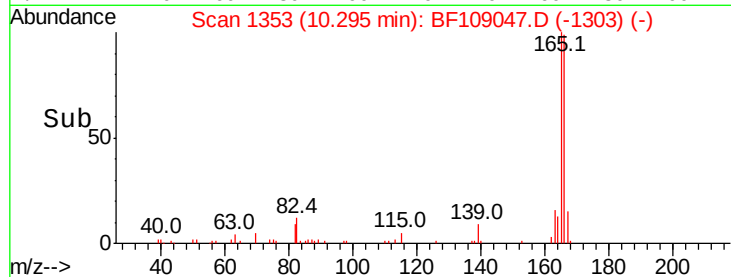
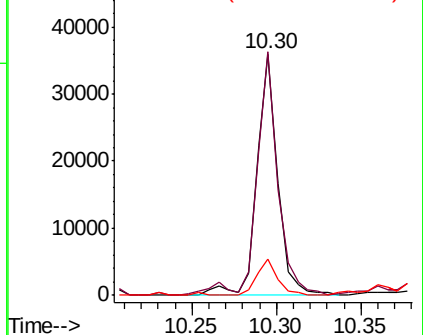


Abundance

Ion 166.00 (165.70 to 166.70): E

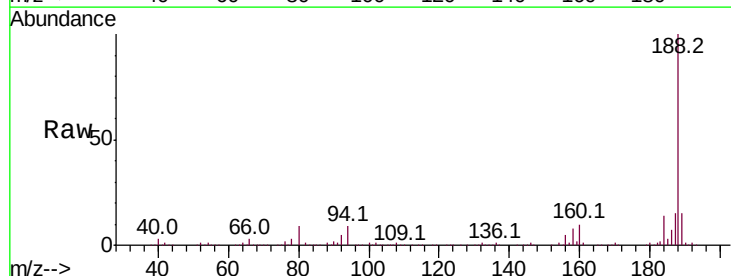
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BF109047.D
 Acq: 17 Sep 2018 14:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	8.9	9.2	13.8#

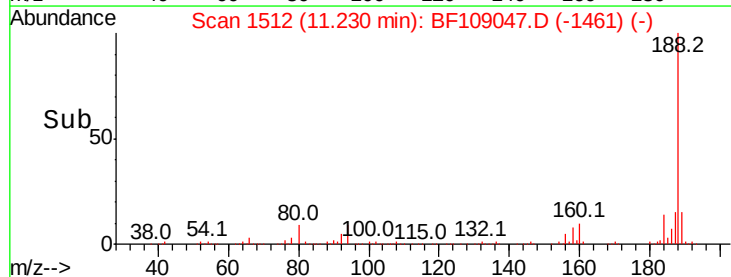
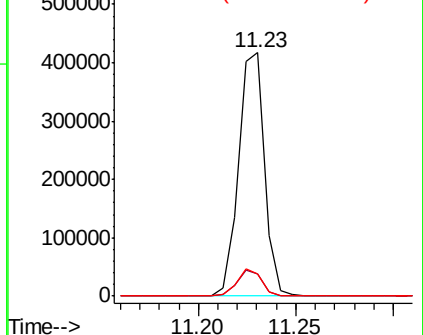


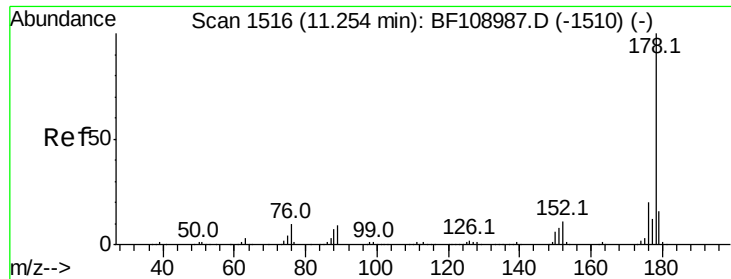
Abundance

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





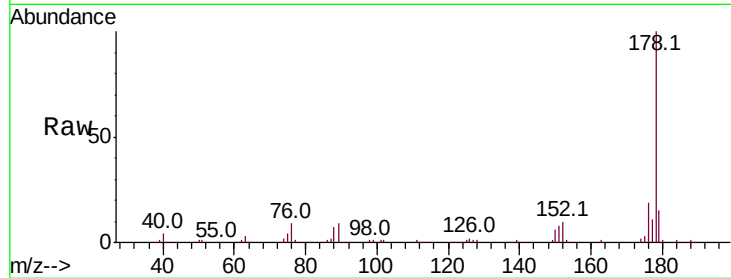
#70
Phenanthrene
Concen: 13.160 ng
RT: 11.25 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-D

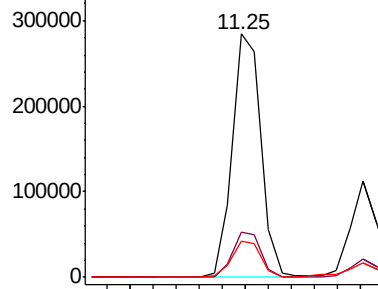
Tot Ion	Ratio	Resp	Lower	Upper
178	100	247800		
176	18.7	15.8	23.8	
179	14.9	13.0	19.6	

Manual Integrations
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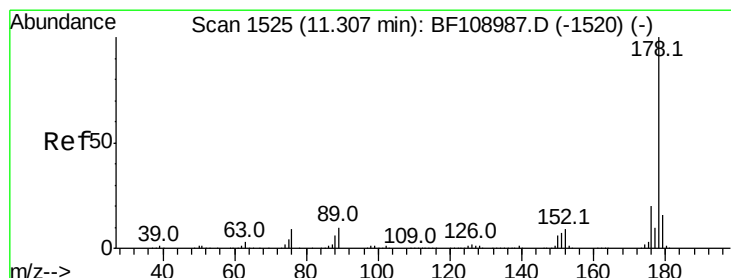
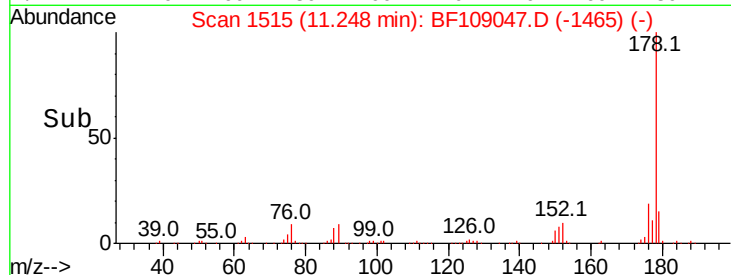
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

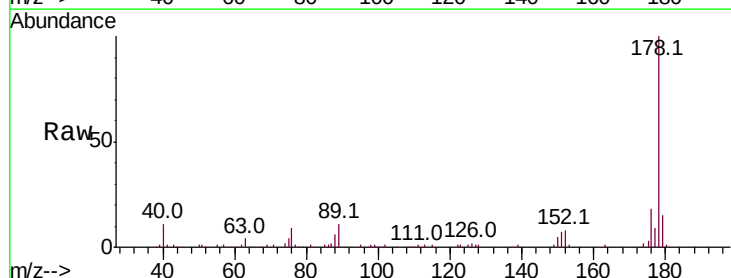


Time-->

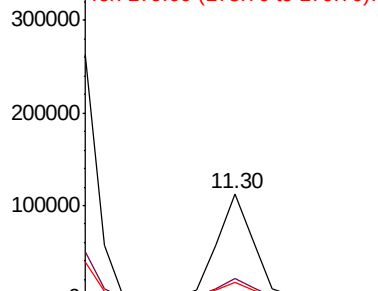


#71
Anthracene
Concen: 4.588 ng
RT: 11.30 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

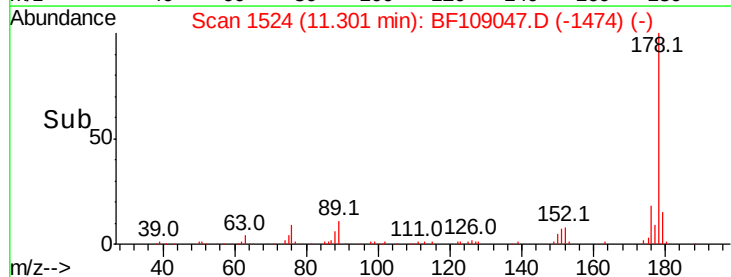
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	87578		
176	18.5	15.4	23.2	
179	14.9	12.6	19.0	

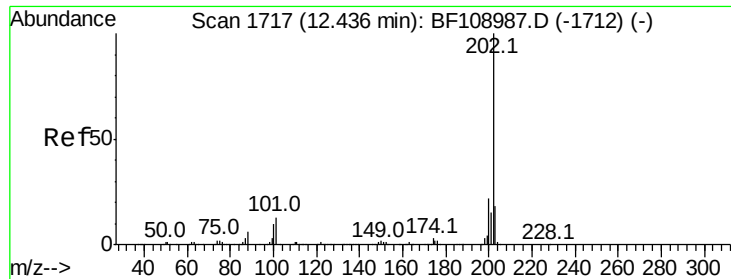


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





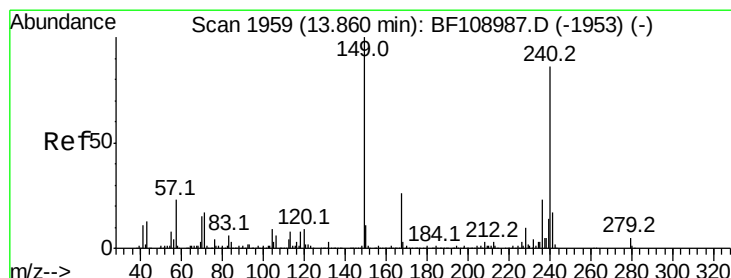
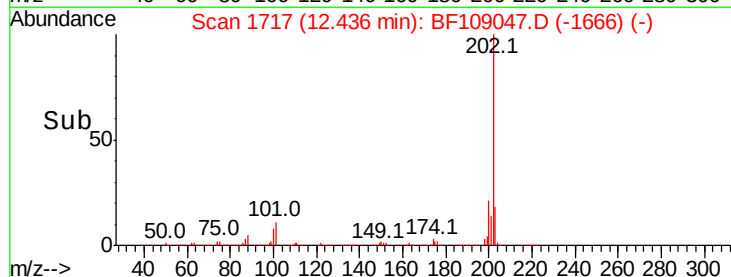
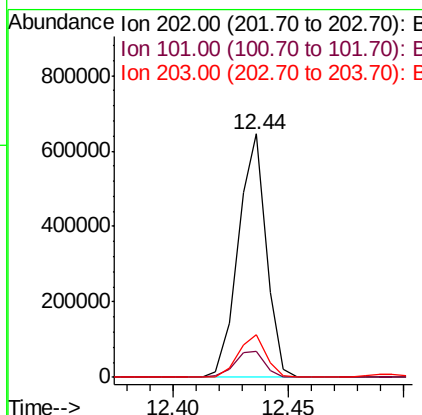
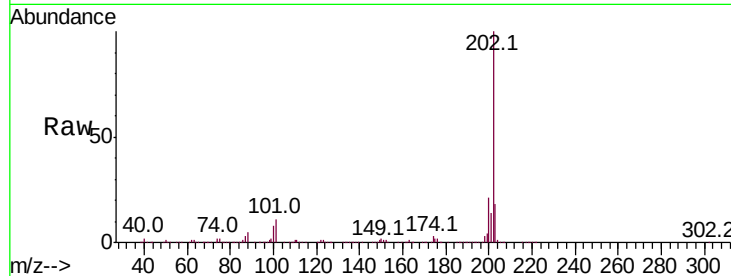
#74
Fluoranthene
Concen: 27.320 ng
RT: 12.44 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-D

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	34.1
203	17.6	0.0	38.1

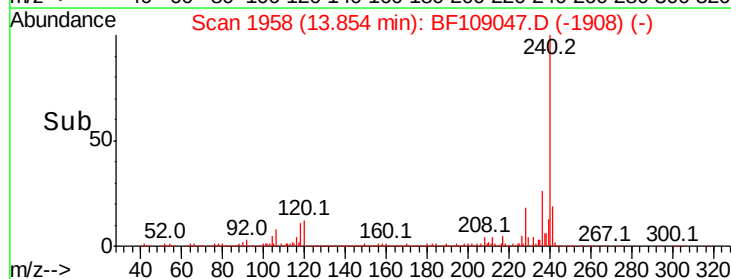
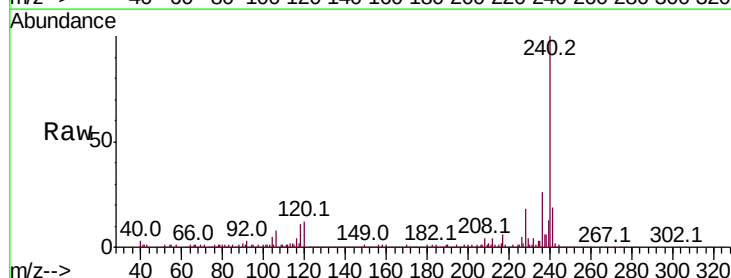
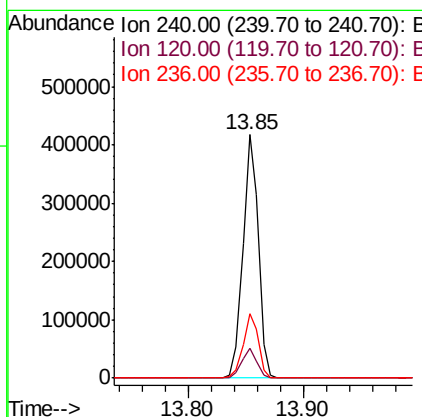
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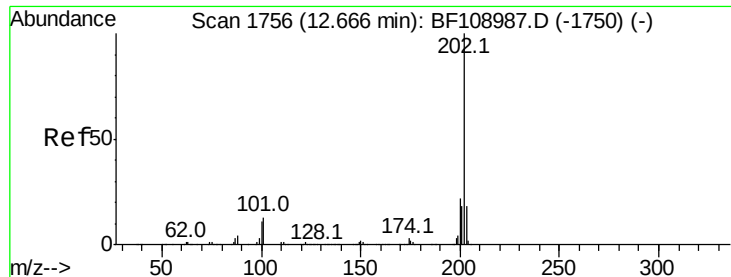
Sohil
9/18/2018 6:00:05 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.2	9.5	14.3
236	26.3	20.7	31.1





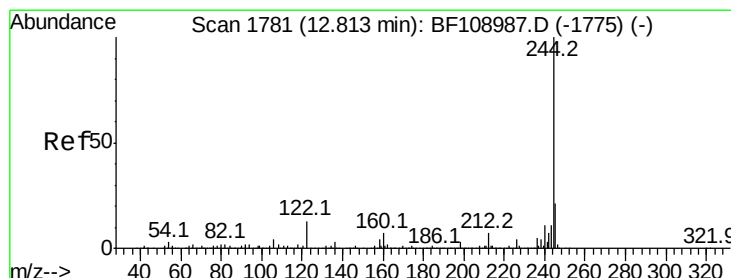
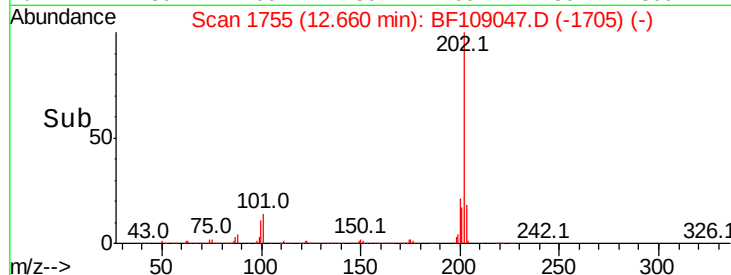
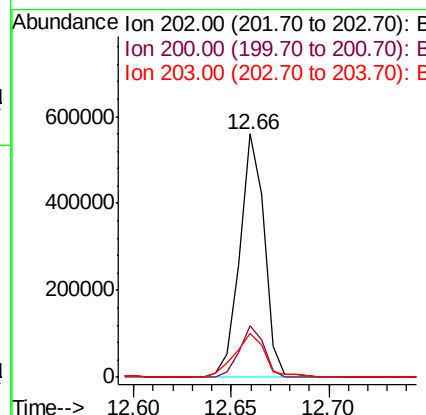
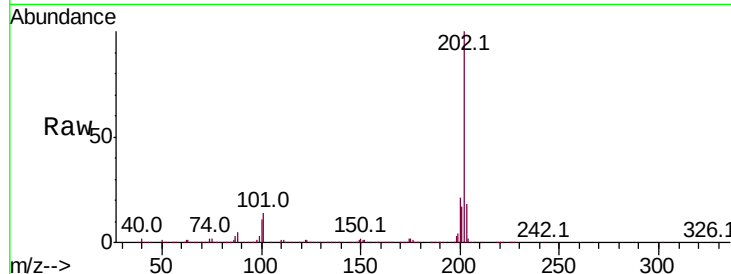
#77
Pvrene
Concen: 17.098 ng
RT: 12.66 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-D

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.8	14.3	21.5

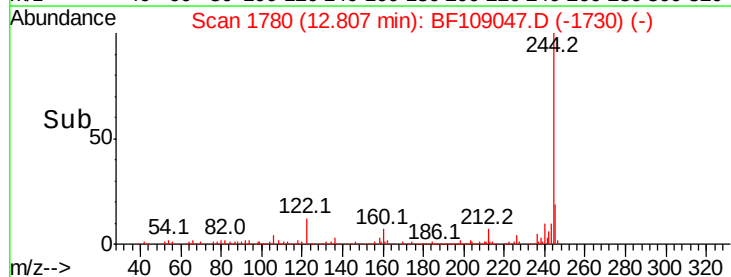
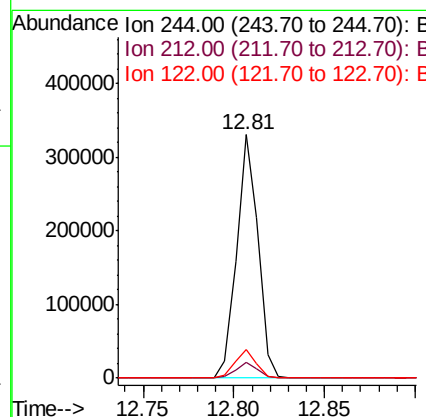
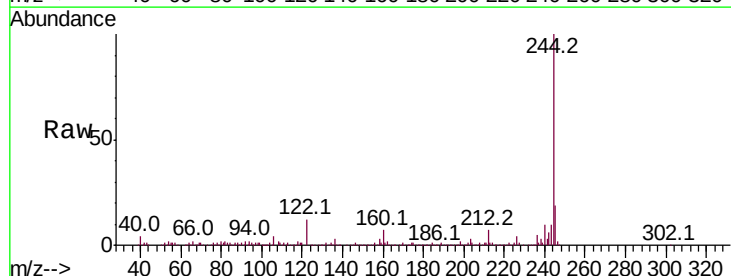
Manual Integrations
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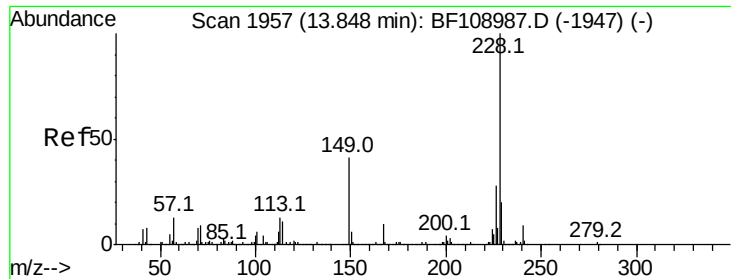
Sohil
9/18/2018 6:00:05 PM



#78
Terphenyl-d14
Concen: 16.623 ng
RT: 12.81 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.9	11.0	16.4





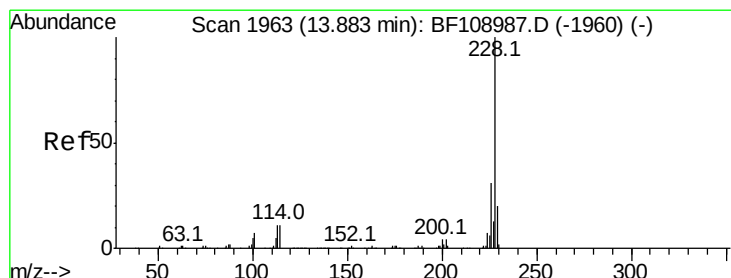
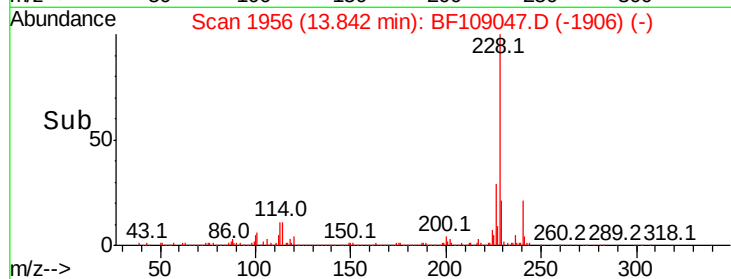
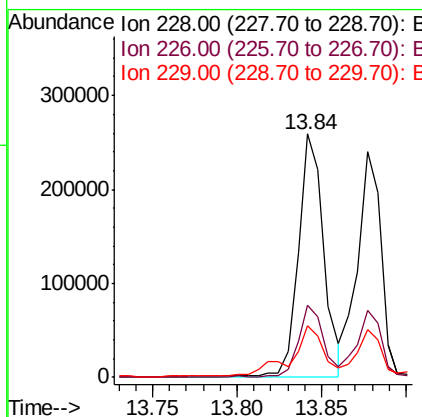
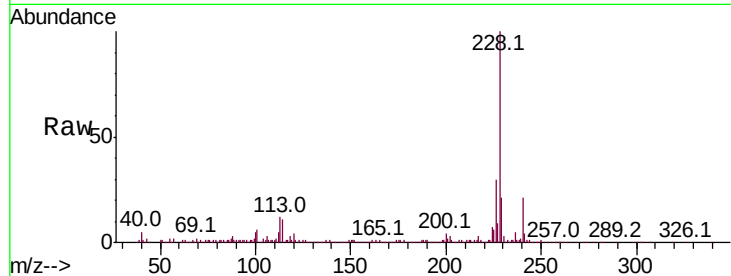
#80
Benzo(a)anthracene
Concen: 11.507 ng
RT: 13.84 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	20.9	15.8	23.6

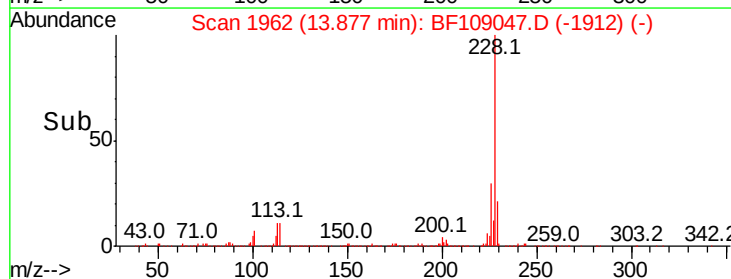
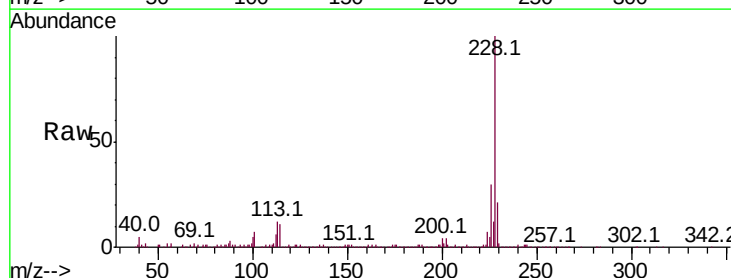
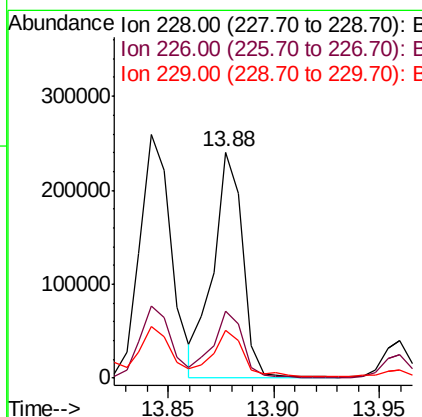
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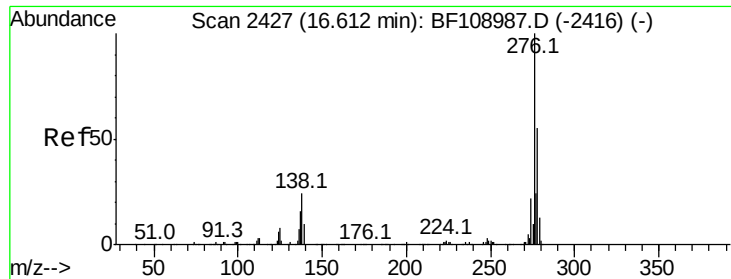
Sohil
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#82
Chrysene
Concen: 9.861 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.0	16.2	24.4





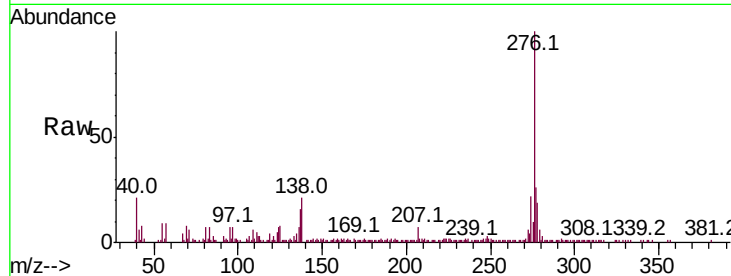
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.320 ng/ml
 RT: 16.61 min Scan# 2426
 Delta R.T. -0.01 min
 Lab File: BF109047.D
 Acq: 17 Sep 2018 14:45

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-D

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.9	25.0	37.6#
277	4.8	20.1	30.1#

Manual Integrations
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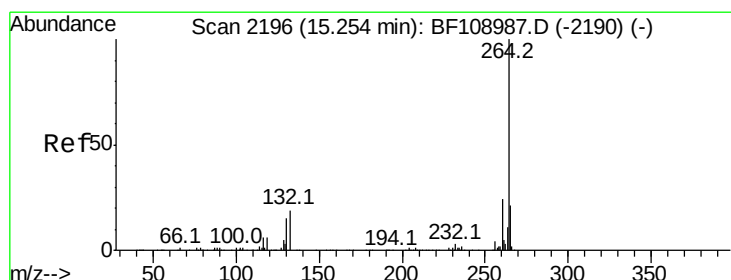
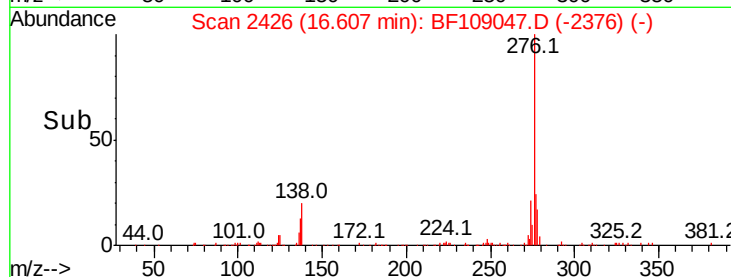
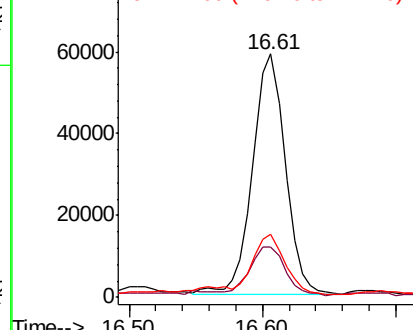


Abundance

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
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: BF109047.D
 Acq: 17 Sep 2018 14:45

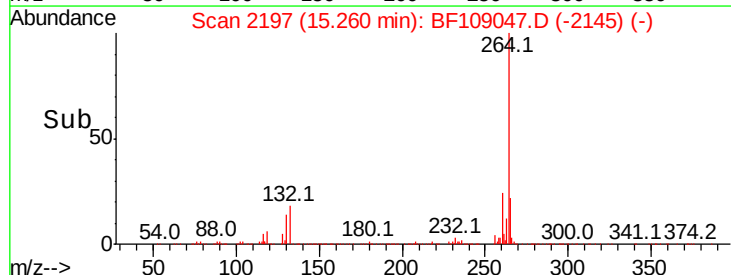
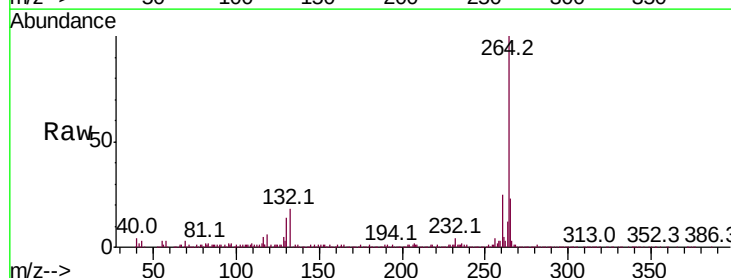
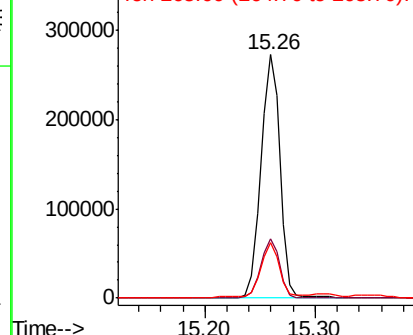
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.5	17.5	26.3

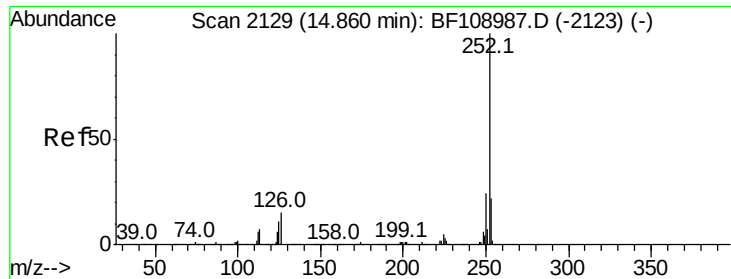
Abundance

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: 15.474 ng m

RT: 14.86 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BF109047.D

Acq: 17 Sep 2018 14:45

Instrument :

BNA_F

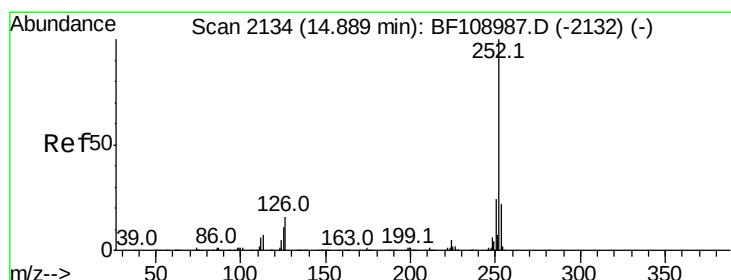
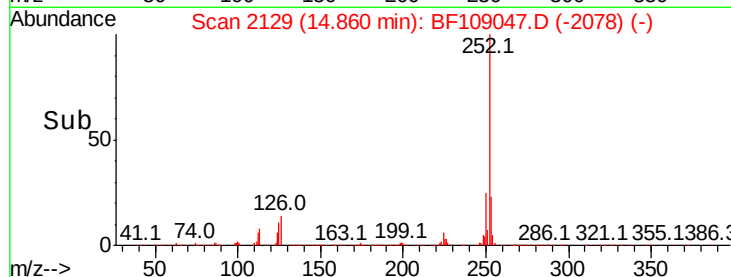
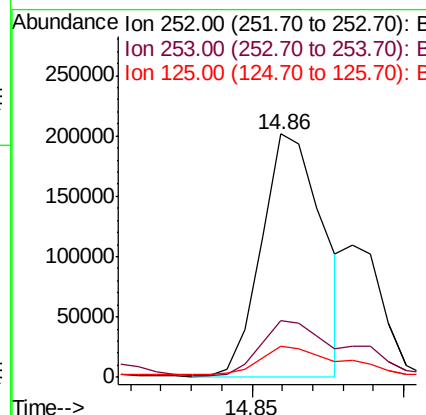
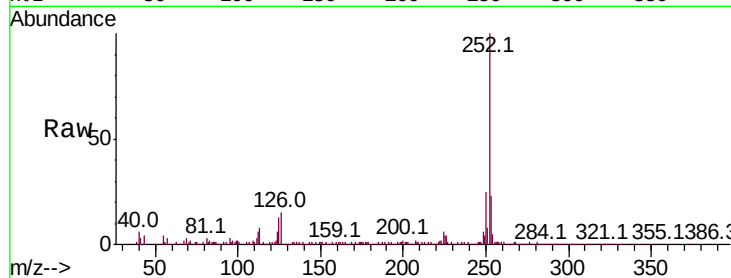
ClientSampleId :

CL-01-091418-D

Tot Ion:	252	Resp:	282560
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	12.5	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 5.740 ng m

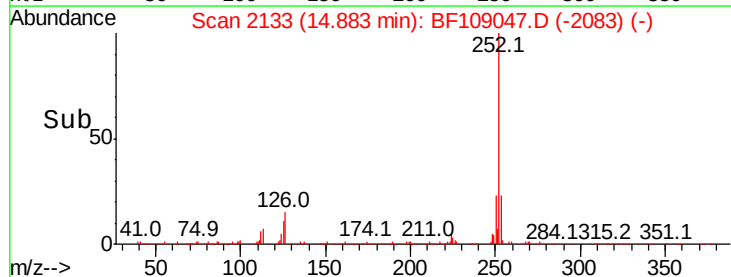
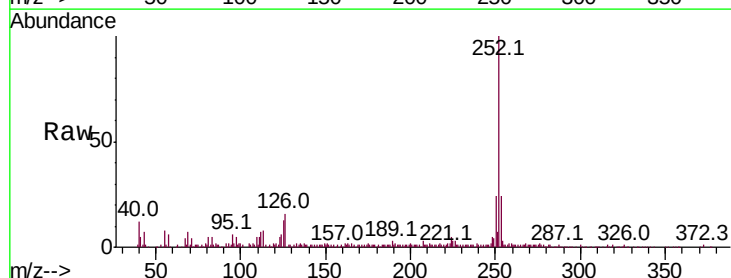
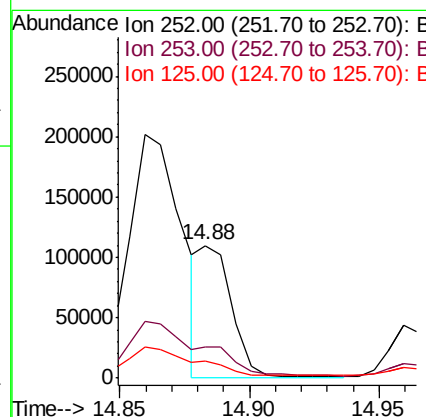
RT: 14.88 min Scan# 2133

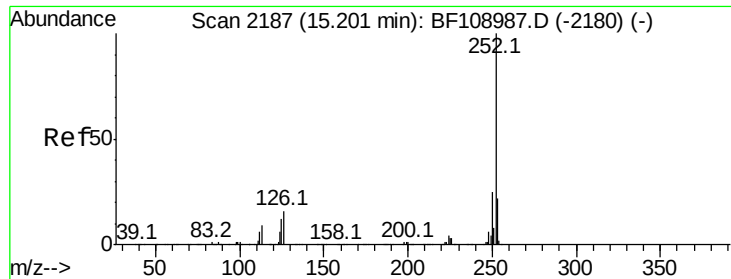
Delta R.T. -0.01 min

Lab File: BF109047.D

Acq: 17 Sep 2018 14:45

Tgt Ion:	252	Resp:	97903
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	13.1	10.2	15.2





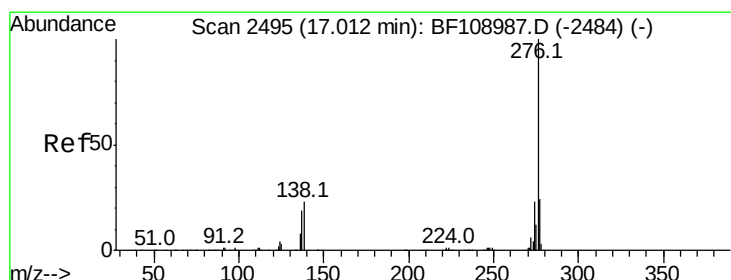
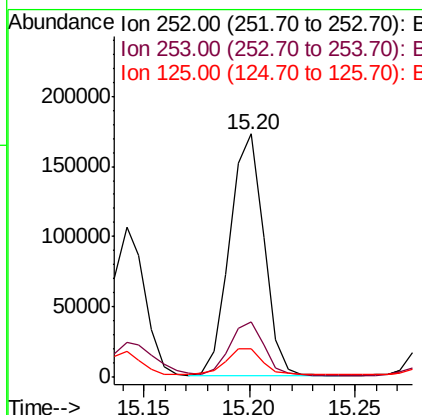
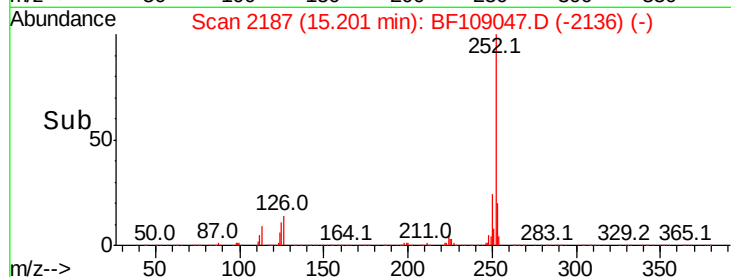
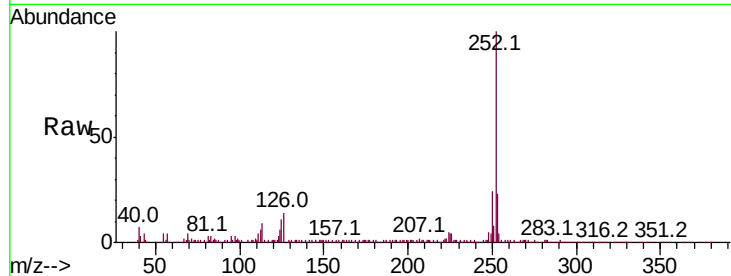
#89
Benzo(a)pyrene
Concen: 11.964 ng
RT: 15.20 min Scan# 2187
Delta R.T. -0.00 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-D

Tot Ion	Ratio	Resp	Lower	Upper
252	100	194012		
253	22.7		17.1	25.7
125	11.5		9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 6.348 ng
RT: 17.01 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF109047.D
Acq: 17 Sep 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	86469		
277	24.7		17.9	26.9
138	22.0		21.8	32.8

