

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109843.D
 Acq On : 12 Oct 2018 19:34
 Operator : JU/SJ
 Sample : J5199-03 4X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-101118

Manual Integrations
 APPROVED

Quant Time: Oct 12 22:36:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	92423	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	402177	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	172522	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	277023	20.00	ng	0.00
75) Chrysene-d12	13.83	240	209890	20.00	ng	0.00
86) Perylene-d12	15.23	264	183198	20.00	ng	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	94289	18.11	ng	-0.01
7) Phenol-d6	6.34	99	158079	22.73	ng	-0.02
23) Nitrobenzene-d5	7.26	82	103420	14.18	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	30966	16.47	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	213331	17.03	ng	-0.01
78) Terphenyl-d14	12.77	244	144181	13.30	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	11.22	178	54440	3.927	ng	99
74) Fluoranthene	12.40	202	94471	6.523	ng	98
77) Pyrene	12.63	202	95278	6.196	ng	98
80) Benzo(a)anthracene	13.82	228	44773	3.866	ng	# 93
82) Chrysene	13.85	228	39580	3.253	ng	96
87) Benzo(b)fluoranthene	14.84	252	40558m	4.006	ng	
88) Benzo(k)fluoranthene	14.85	252	25051m	2.463	ng	
89) Benzo(a)pyrene	15.17	252	36668	3.991	ng	# 92
91) Benzo(g,h,i)perylene	16.99	276	20010	2.656	ng	94

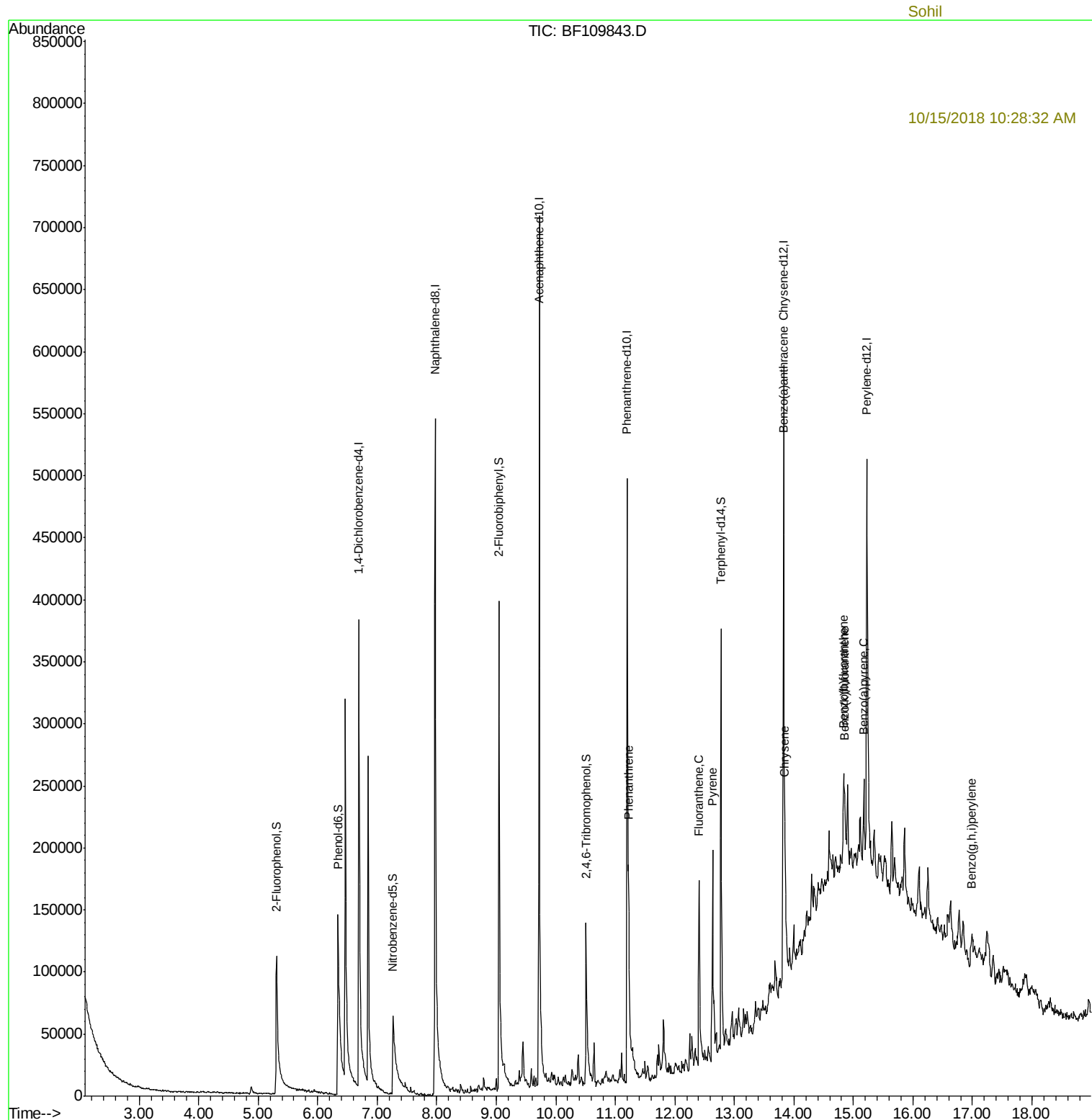
(#) = qualifier out of range (m) = manual integration (+) = signals summed

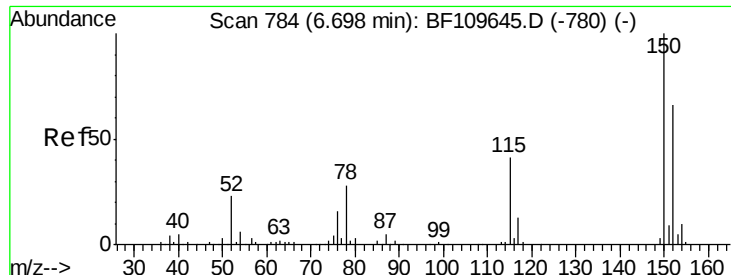
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
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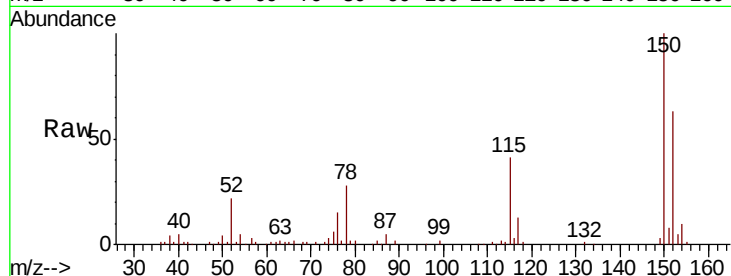


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF109843.D
 Acq: 12 Oct 2018 19:34

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-101118

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	122.7	184.1
115	64.4	49.1	73.7

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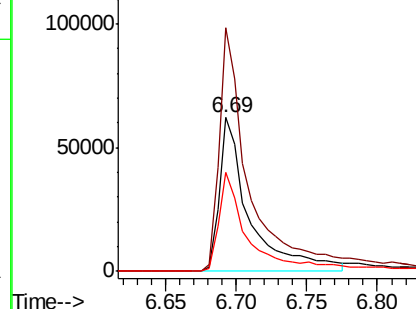


Abundance

Ion 152.00 (151.70 to 152.70): E

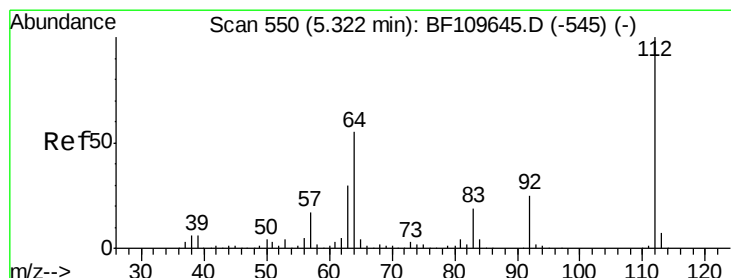
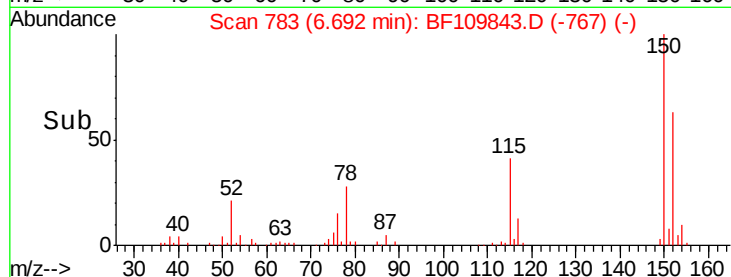
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



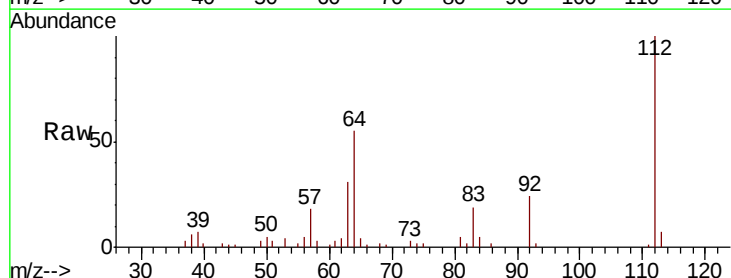
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#5
 2-Fluorophenol
 Concen: 18.109 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF109843.D
 Acq: 12 Oct 2018 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.1	66.1
63	30.9	23.7	35.5

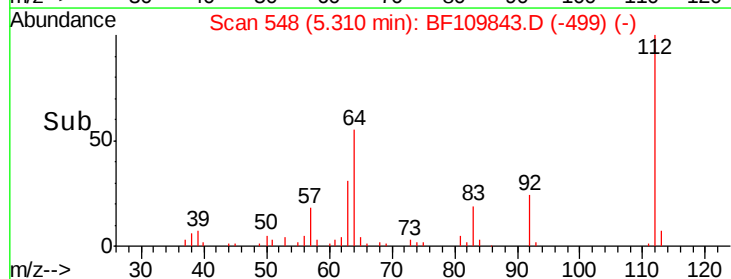
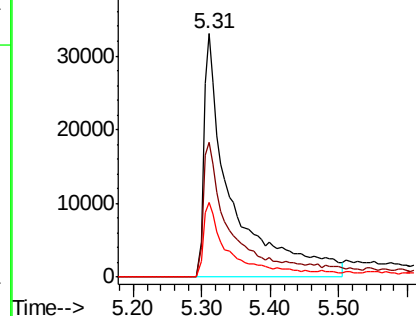


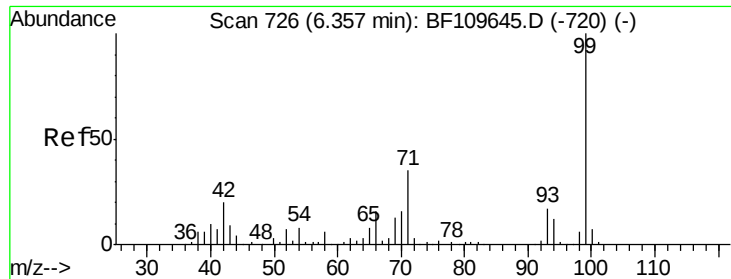
Abundance

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: 22.726 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

Instrument :

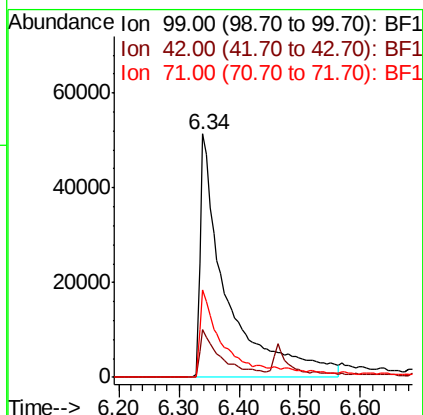
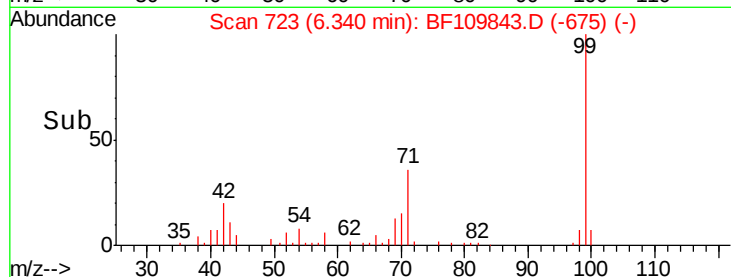
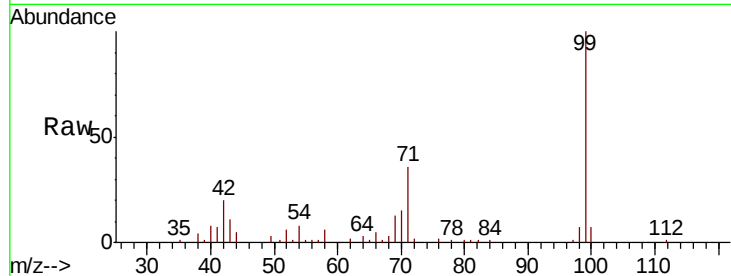
BNA_F

ClientSampleId :

OK-02-101118

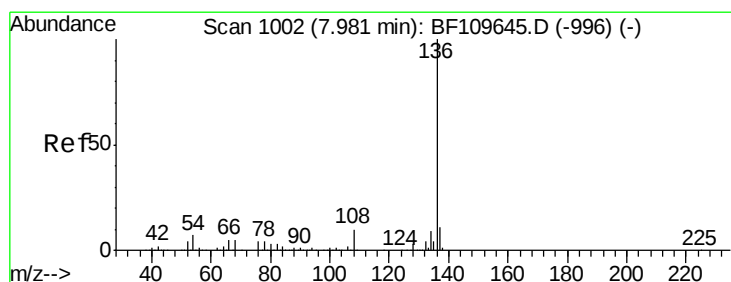
Tot Ion:	99	Resp:	158079
Ion Ratio	Lower	Upper	
99	100		
42	19.6	15.8	23.6
71	35.9	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

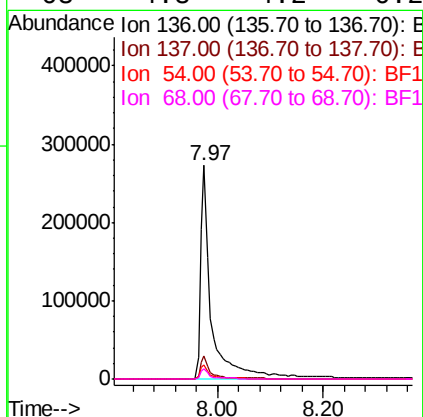
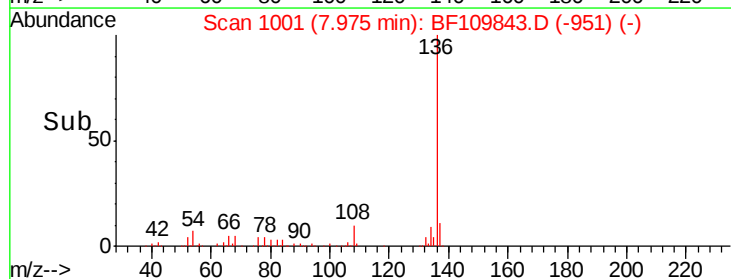
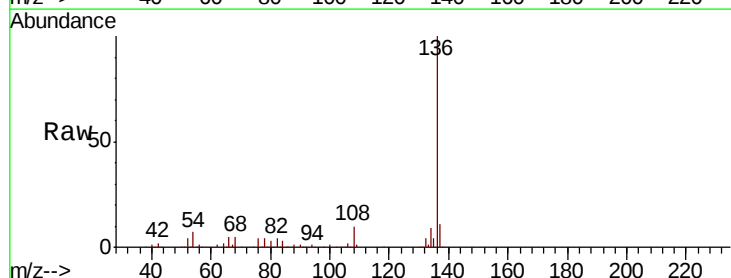
RT: 7.97 min Scan# 1001

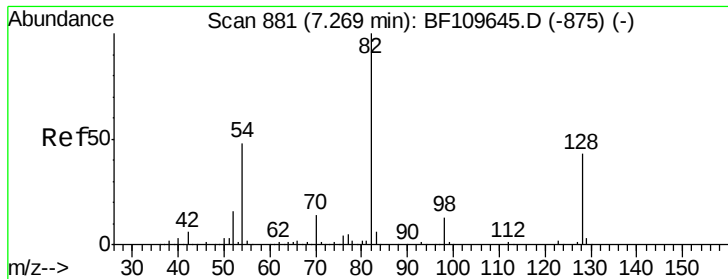
Delta R.T. -0.01 min

Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

Tgt Ion:	136	Resp:	402177
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	6.7	5.4	8.2
68	4.8	4.2	6.2



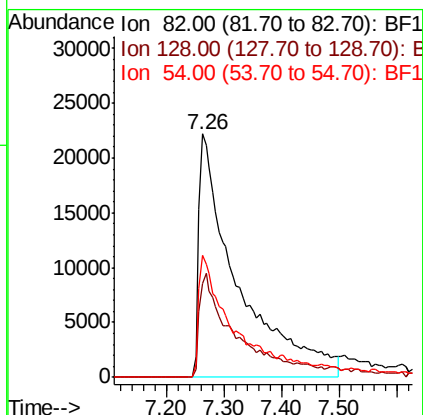
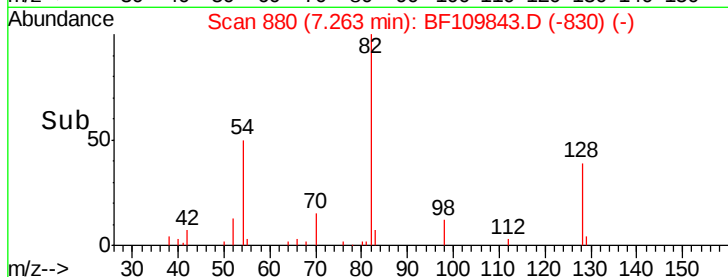
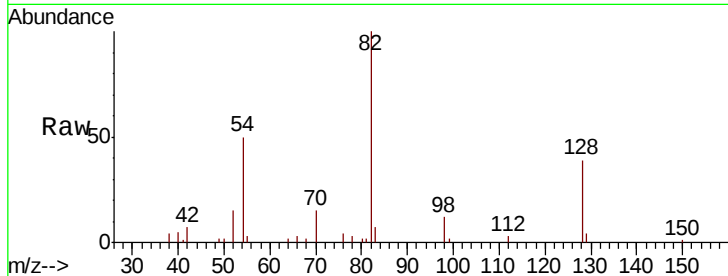


#23
Nitrobenzene-d5
Concen: 14.175 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Instrument :
BNA_F
ClientSampleId :
OK-02-101118

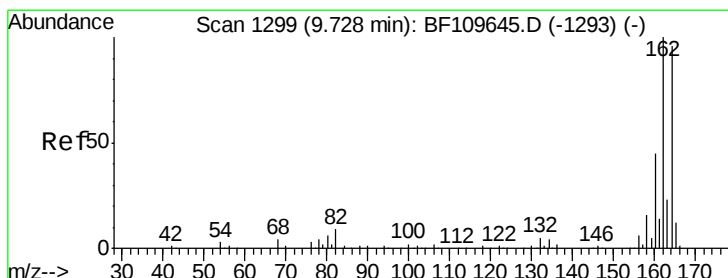
Tot Ion:	82	Resp:	103420
Ion Ratio	Lower	Upper	
82	100		
128	38.8	34.2	51.2
54	50.3	38.6	58.0

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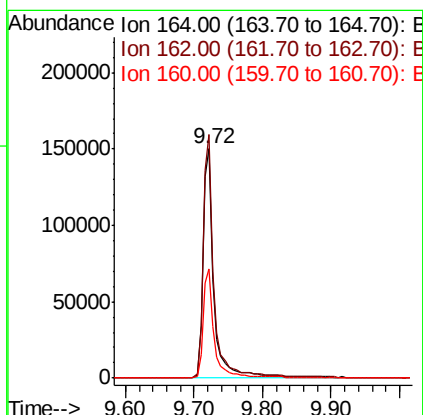
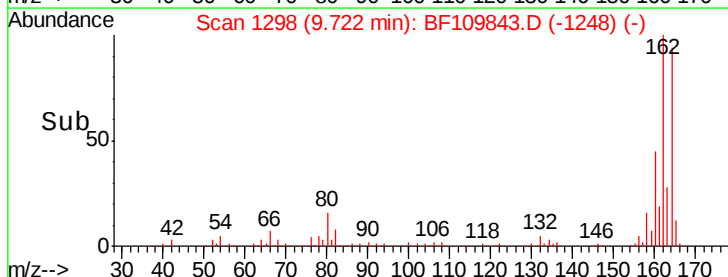
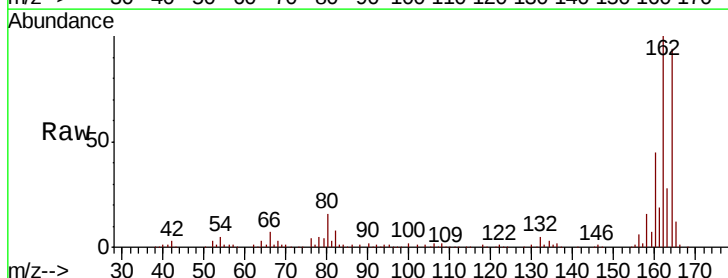
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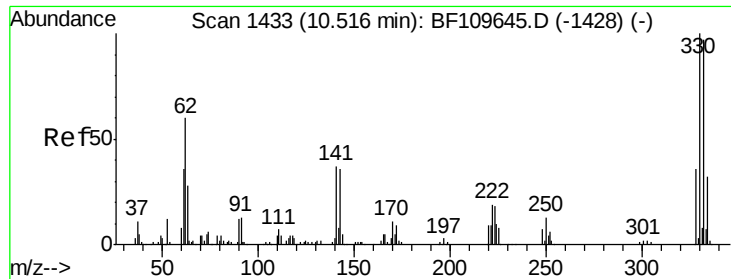
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Tgt Ion:	164	Resp:	172522
Ion Ratio	Lower	Upper	
164	100		
162	106.1	83.0	124.6
160	47.7	37.0	55.6





#41

2,4,6-Tribromophenol

Concen: 16.473 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

Instrument :

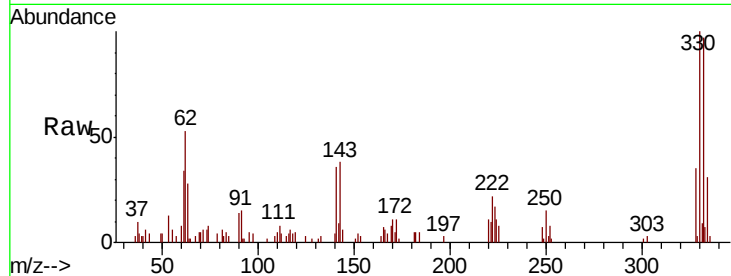
BNA_F

ClientSampleId :

OK-02-101118

Tot Ion:	330	Resp:	30966
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.1	115.7
141	37.7	27.0	40.4

Manual Integrations
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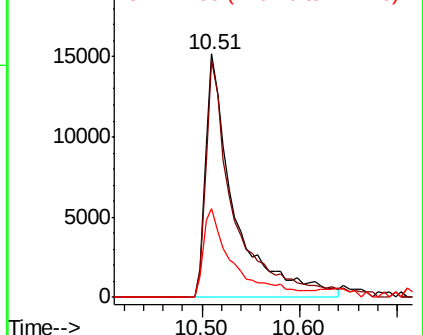


Abundance

Ion 329.80 (329.50 to 330.50): E

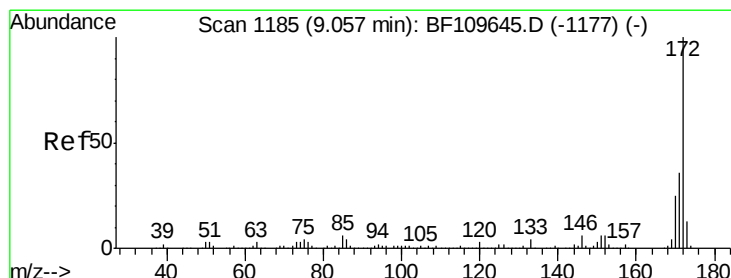
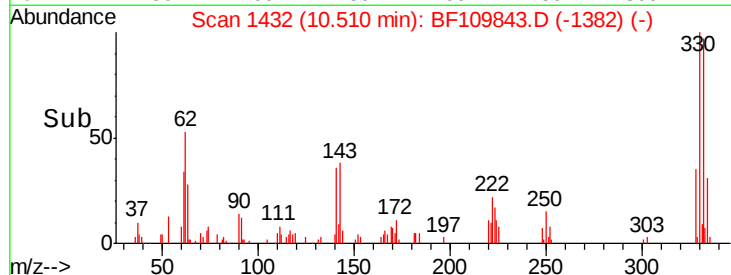
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



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#44

2-Fluorobiphenyl

Concen: 17.030 ng

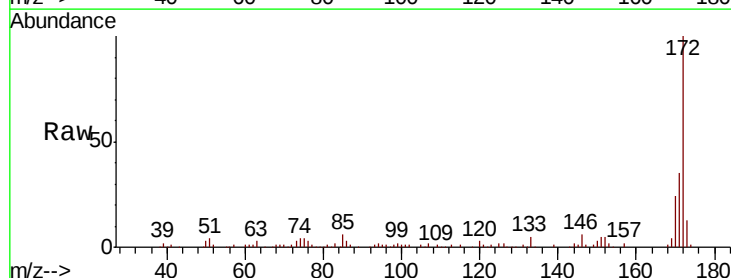
RT: 9.05 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

Tgt Ion:	172	Resp:	213331
Ion Ratio	Lower	Upper	
172	100		
171	35.4	28.6	43.0
170	23.6	19.7	29.5

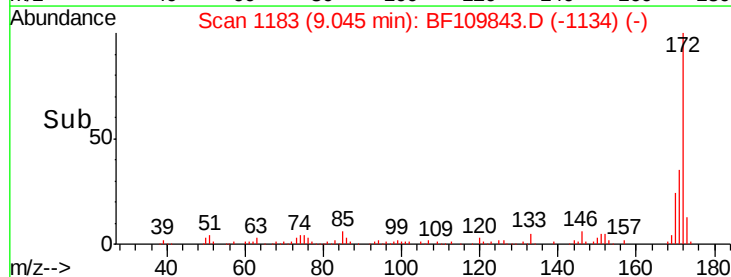
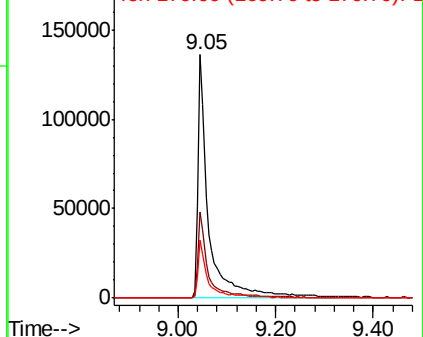


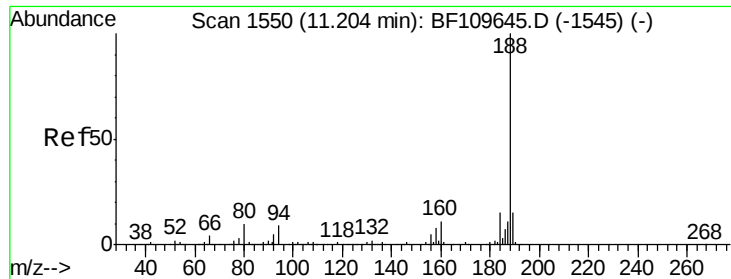
Abundance

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



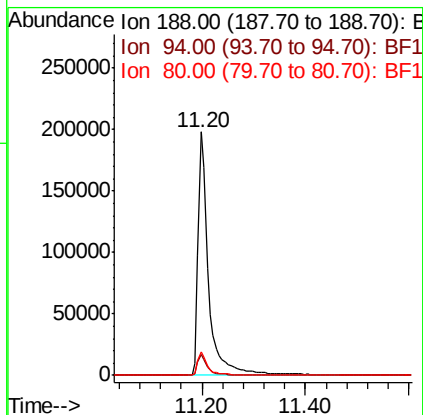
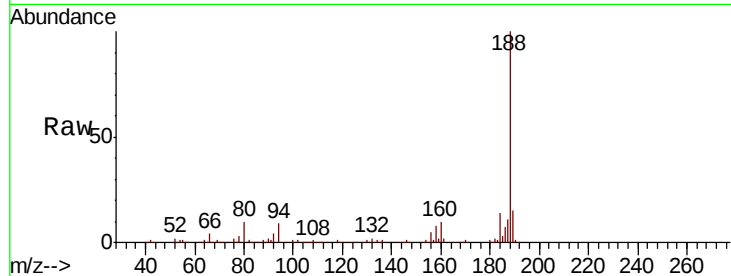


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Instrument :
BNA_F
ClientSampleId :
OK-02-101118

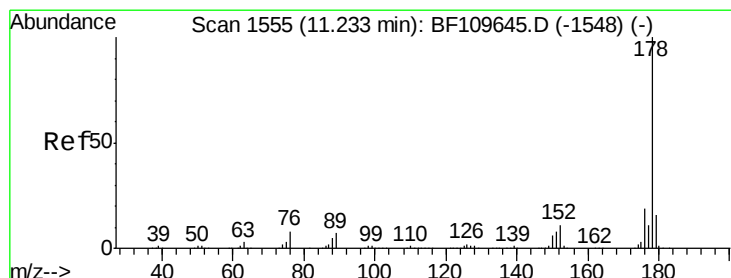
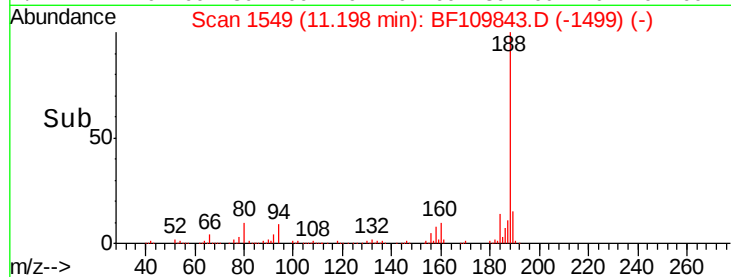
Tot Ion:	188	Resp:	277023
Ion Ratio	Lower	Upper	
188	100		
94	8.6	7.2	10.8
80	9.5	7.9	11.9

Manual Integrations
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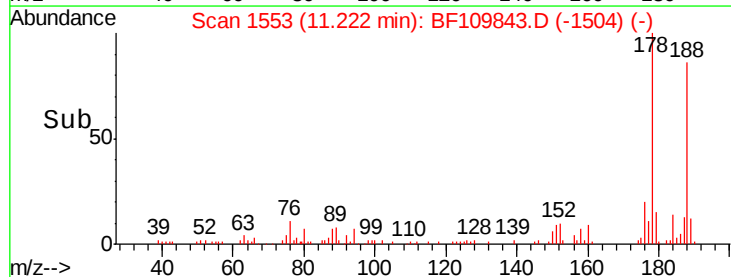
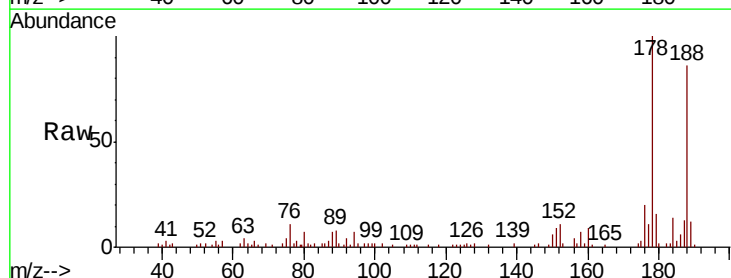
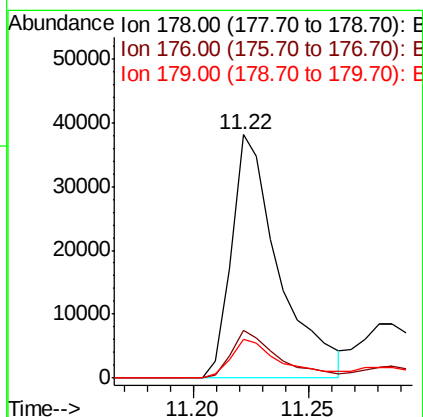
Sohil

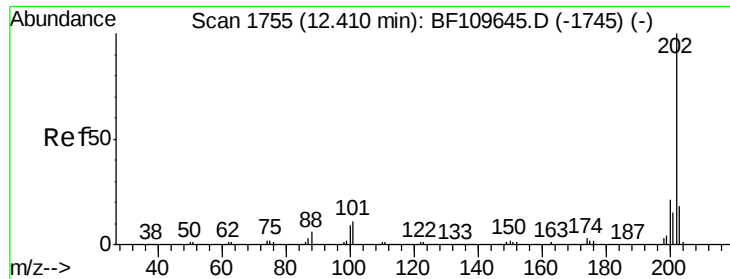
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#70
Phenanthrene
Concen: 3.927 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Tgt Ion:	178	Resp:	54440
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.5	23.3
179	15.7	12.5	18.7



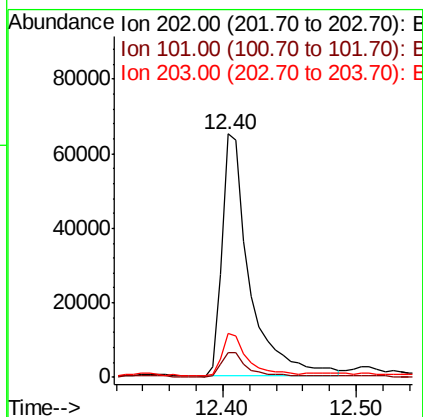
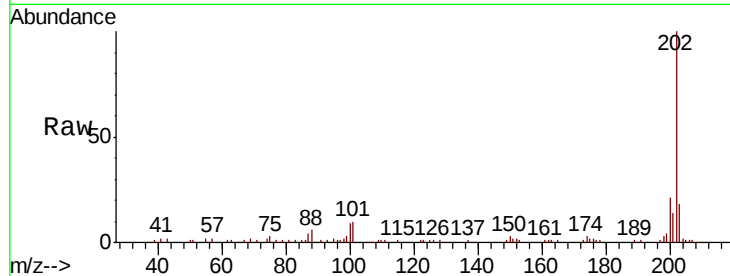


#74
Fluoranthene
Concen: 6.523 ng
RT: 12.40 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Instrument :
BNA_F
ClientSampleId :
OK-02-101118

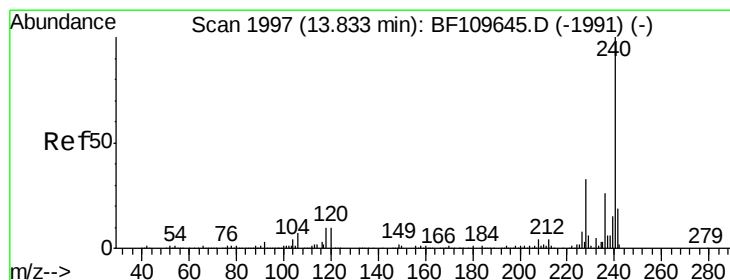
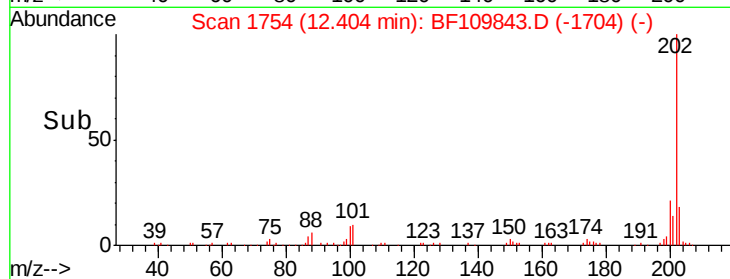
Tot Ion:	202	Resp:	94471
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	31.4
203	18.3	0.0	37.7

Manual Integrations
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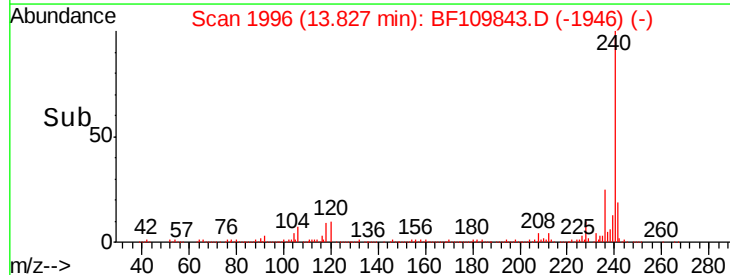
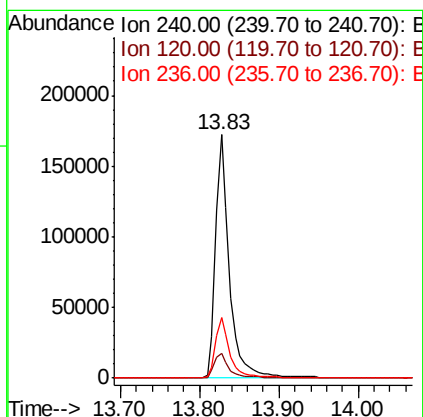
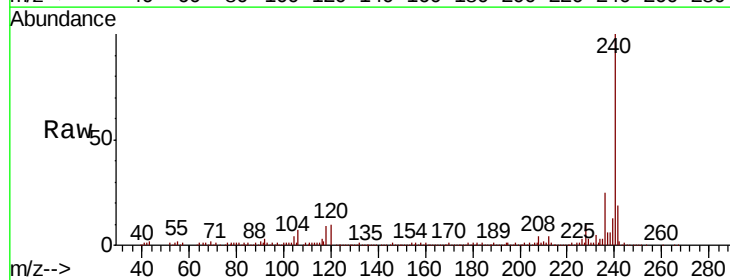
Sohil

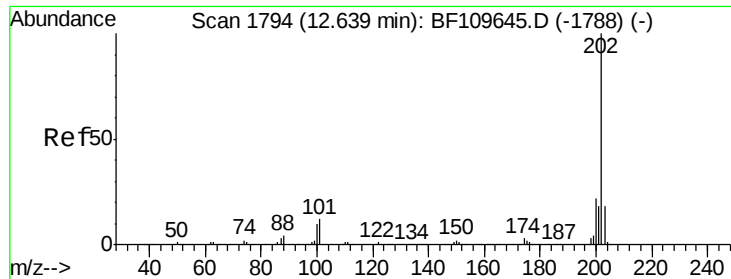
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Tgt Ion:	240	Resp:	209890
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.3	12.5
236	25.1	21.2	31.8



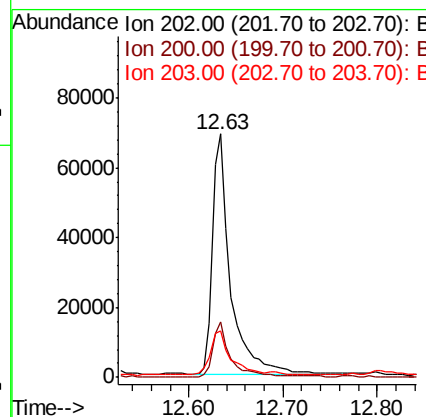
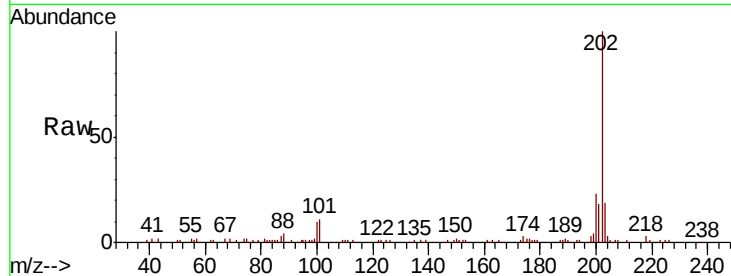


#77
Pvrene
Concen: 6.196 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Instrument :
BNA_F
ClientSampleId :
OK-02-101118

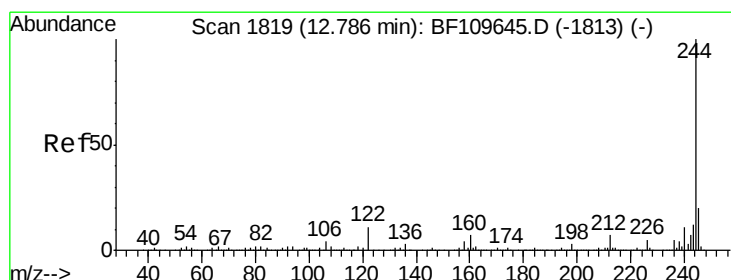
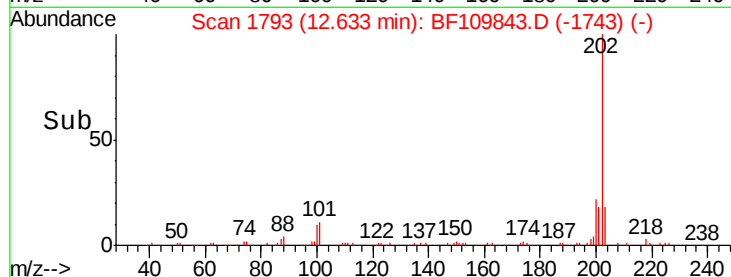
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.8	26.6
203	19.0	14.2	21.4

Manual Integrations
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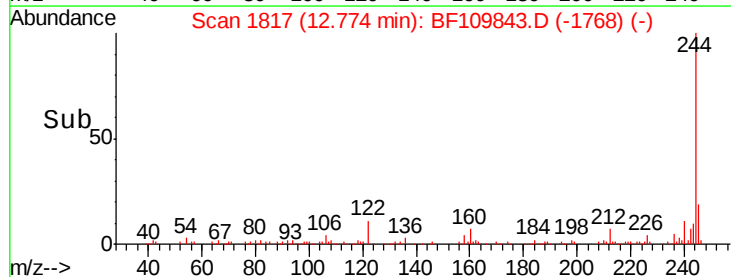
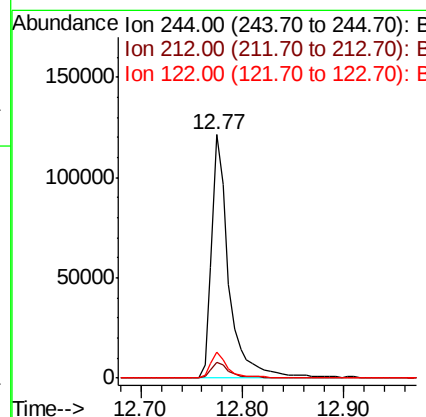
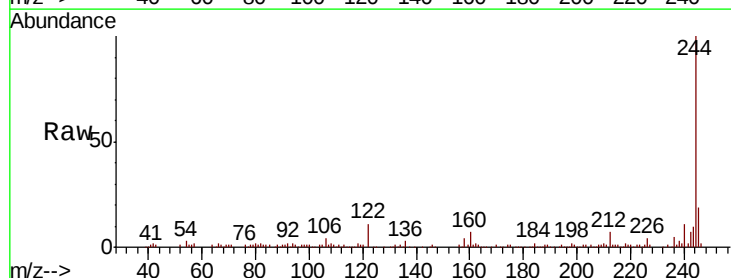
Sohil

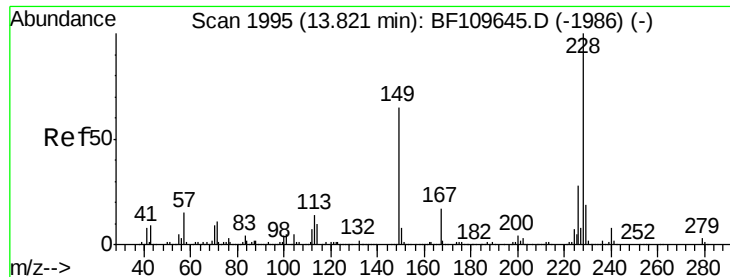
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#78
Terphenyl-d14
Concen: 13.298 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.7	8.7	13.1



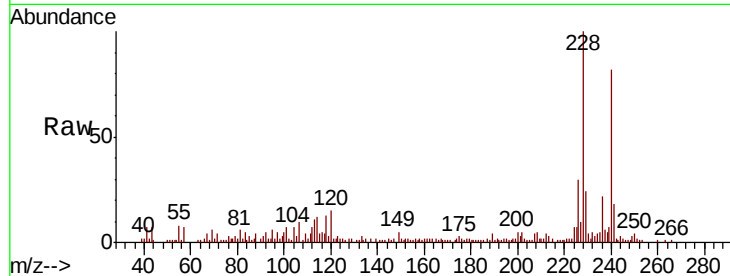


#80
Benzo(a)anthracene
Concen: 3.866 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

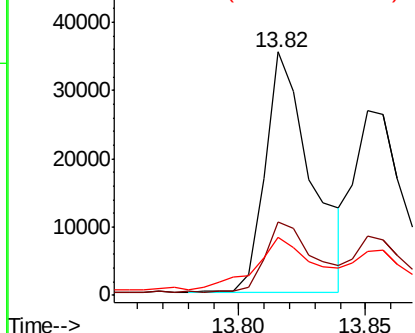
Instrument :
BNA_F
ClientSampleId :
OK-02-101118

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.1	33.1
229	23.9	15.6	23.4

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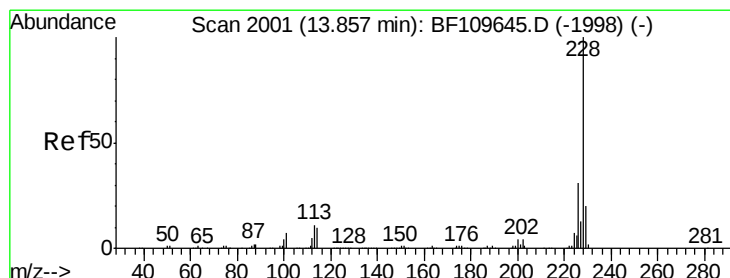
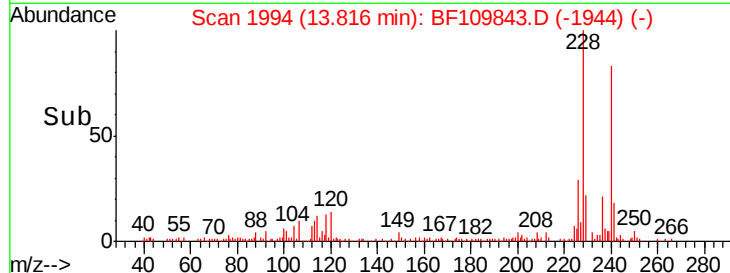


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Sohil

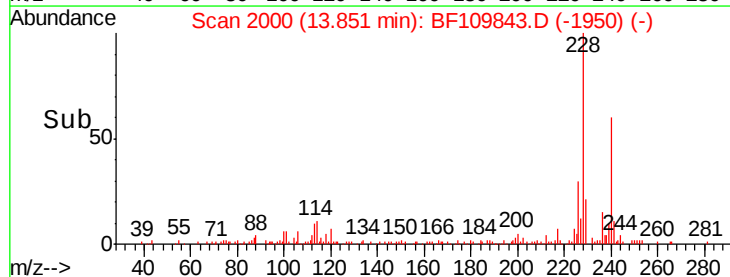
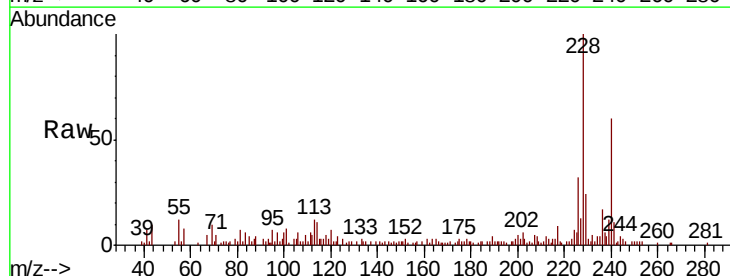
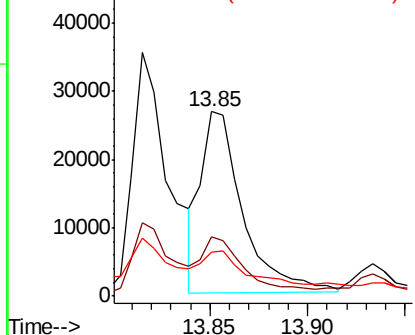
10/15/2018 10:28:32 AM

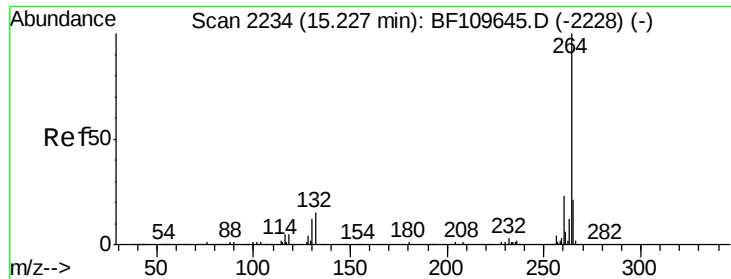


#82
Chrysene
Concen: 3.253 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.7	37.1
229	23.5	15.9	23.9

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





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.00 min

Lab File: BF109843.D

Acq: 12 Oct 2018 19:34

Instrument :

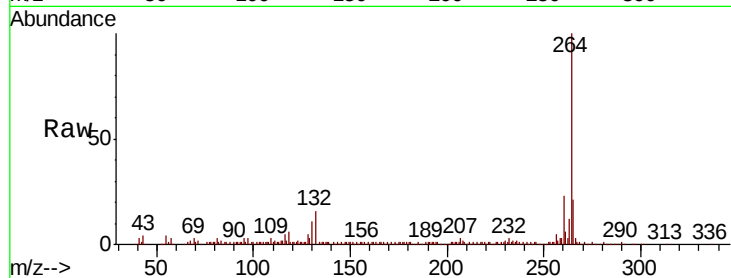
BNA_F

ClientSampleId :

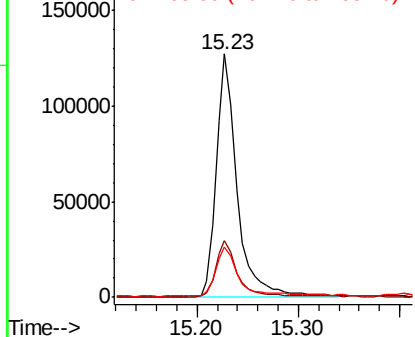
OK-02-101118

Tot Ion:	264	Resp:	183198
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.7	28.1
265	20.7	16.7	25.1

Manual Integrations
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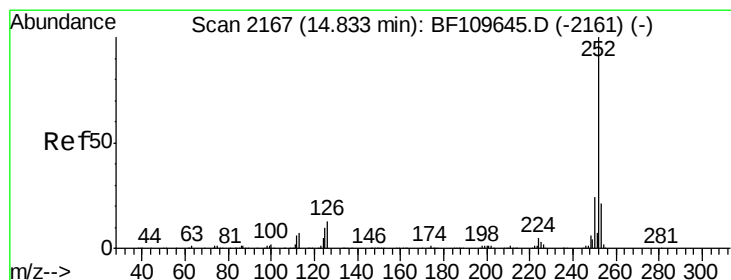
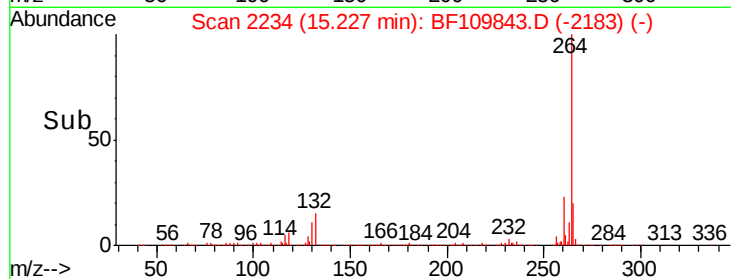


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



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#87

Benzo(b)fluoranthene

Concen: 4.006 ng m

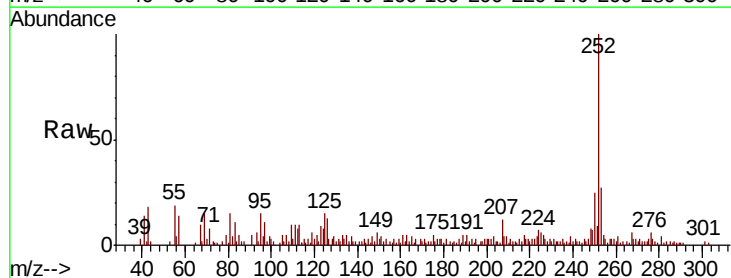
RT: 14.84 min Scan# 2168

Delta R.T. 0.01 min

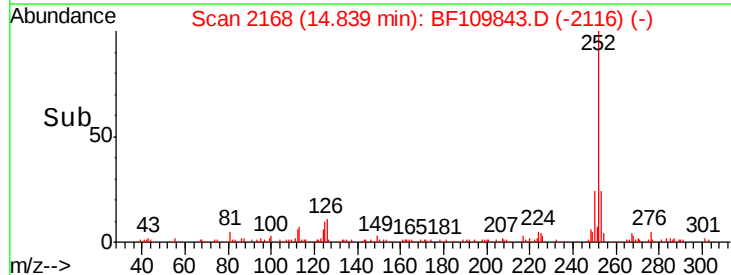
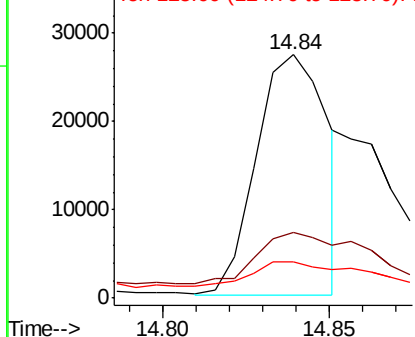
Lab File: BF109843.D

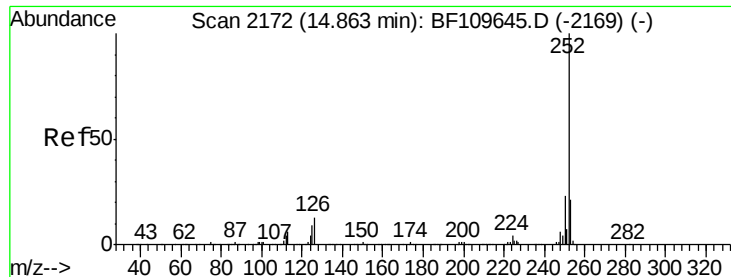
Acq: 12 Oct 2018 19:34

Tgt Ion:	252	Resp:	40558
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.2	25.8#
125	15.1	8.2	12.4#



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



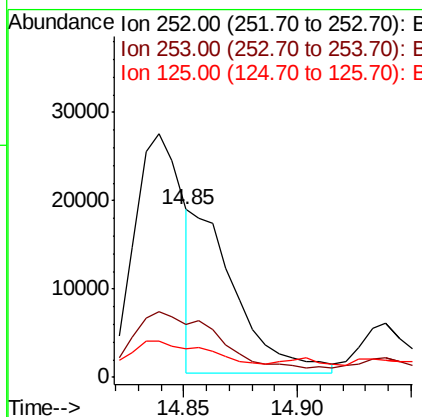
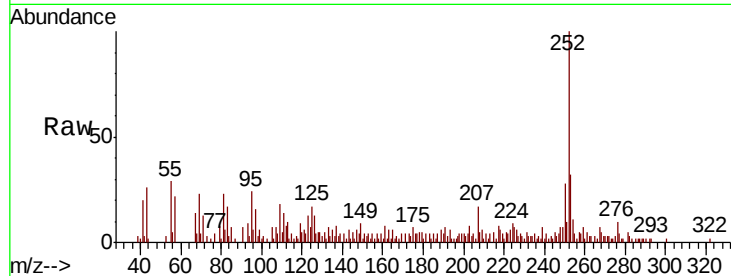


#88
Benzo(k)fluoranthene
Concen: 2.463 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Instrument :
BNA_F
ClientSampleId :
OK-02-101118

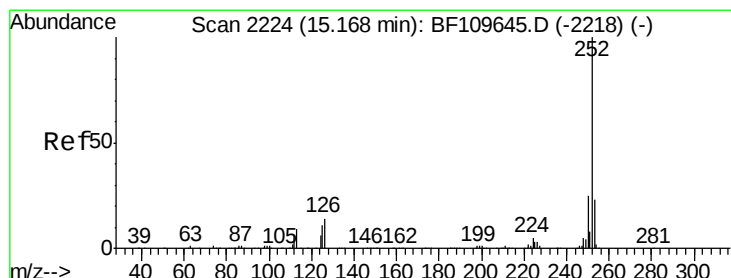
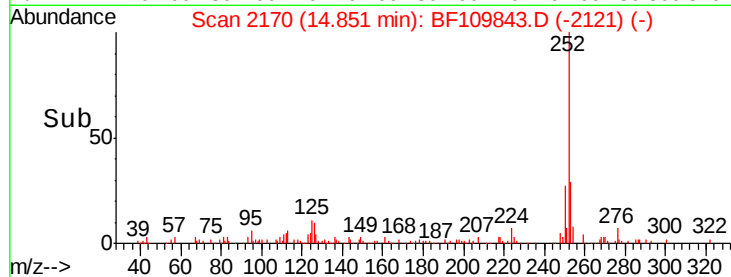
Tot Ion	Ratio	Lower	Upper
252	100		
253	31.6	17.2	25.8#
125	17.0	7.4	11.0#

Manual Integrations
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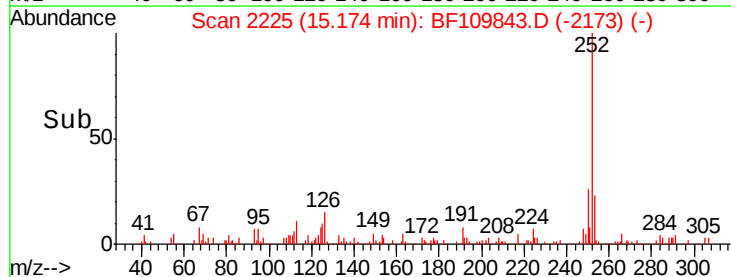
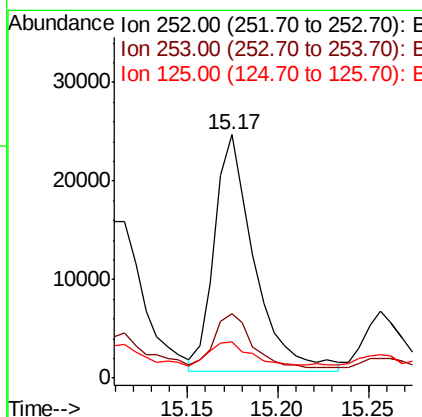
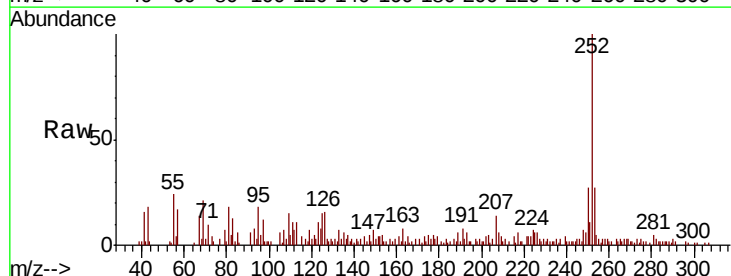
Sohil

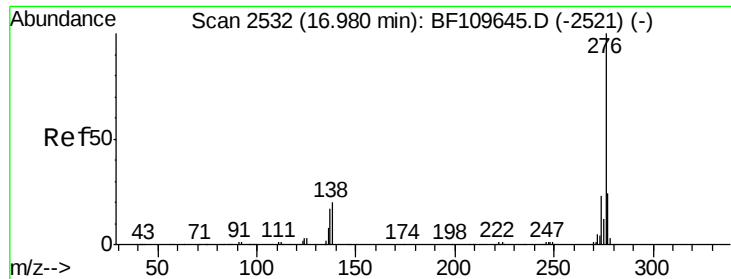
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#89
Benzo(a)pyrene
Concen: 3.991 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109843.D
Acq: 12 Oct 2018 19:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.2	27.4
125	14.9	9.0	13.6#



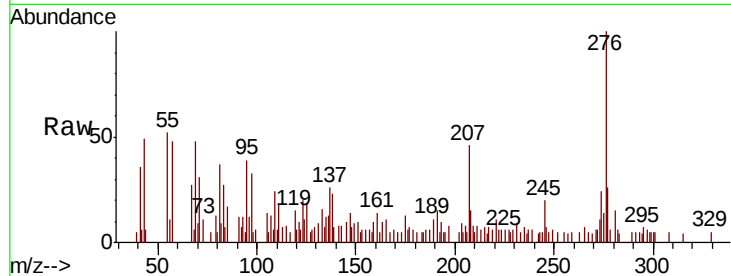


#91
 Benzo(a,h,i)perylene
 Concen: 2.656 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.01 min
 Lab File: BF109843.D
 Acq: 12 Oct 2018 19:34

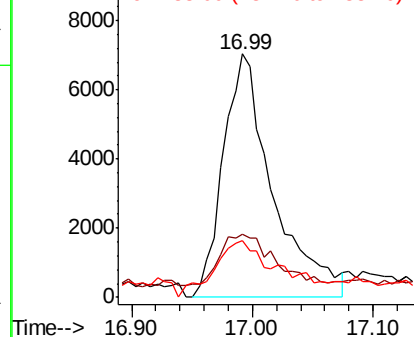
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-101118

Tot Ion:	276	Resp:	20010
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.8	28.2
138	23.1	16.0	24.0

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E



Sohil

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