

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107817.D
 Acq On : 30 Jul 2018 23:00
 Operator : JU/SJ
 Sample : J4164-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(8-10)

Manual Integrations
 APPROVED

Quant Time: Jul 31 03:47:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	189270	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	742597	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	291016	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	495719	20.00	ng	0.00
75) Chrysene-d12	14.15	240	484908	20.00	ng	0.00
86) Perylene-d12	15.68	264	500921	20.00	ng	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1104415	99.17	ng	0.00
7) Phenol-d6	6.60	99	1321175	90.02	ng	0.00
23) Nitrobenzene-d5	7.52	82	920449	71.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	290553	73.48	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1365570	65.39	ng	0.00
78) Terphenyl-d14	13.08	244	1059764	47.39	ng	0.00

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Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.71	163	100131	4.582	ng	99
70) Phenanthrene	11.52	178	215450	9.153	ng	99
71) Anthracene	11.58	178	68486	2.523	ng	98
74) Fluoranthene	12.71	202	437986	15.839	ng	98
77) Pyrene	12.94	202	454114	13.005	ng	96
80) Benzo(a)anthracene	14.14	228	255243	9.292	ng	96
82) Chrysene	14.17	228	270407	9.127	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	105543m	4.683	ng	
87) Benzo(b)fluoranthene	15.22	252	279419m	11.310	ng	
88) Benzo(k)fluoranthene	15.25	252	140111m	4.619	ng	
89) Benzo(a)pyrene	15.62	252	222946	8.741	ng	95
91) Benzo(a,h,i)perylene	17.74	276	106145	4.931	ng	96

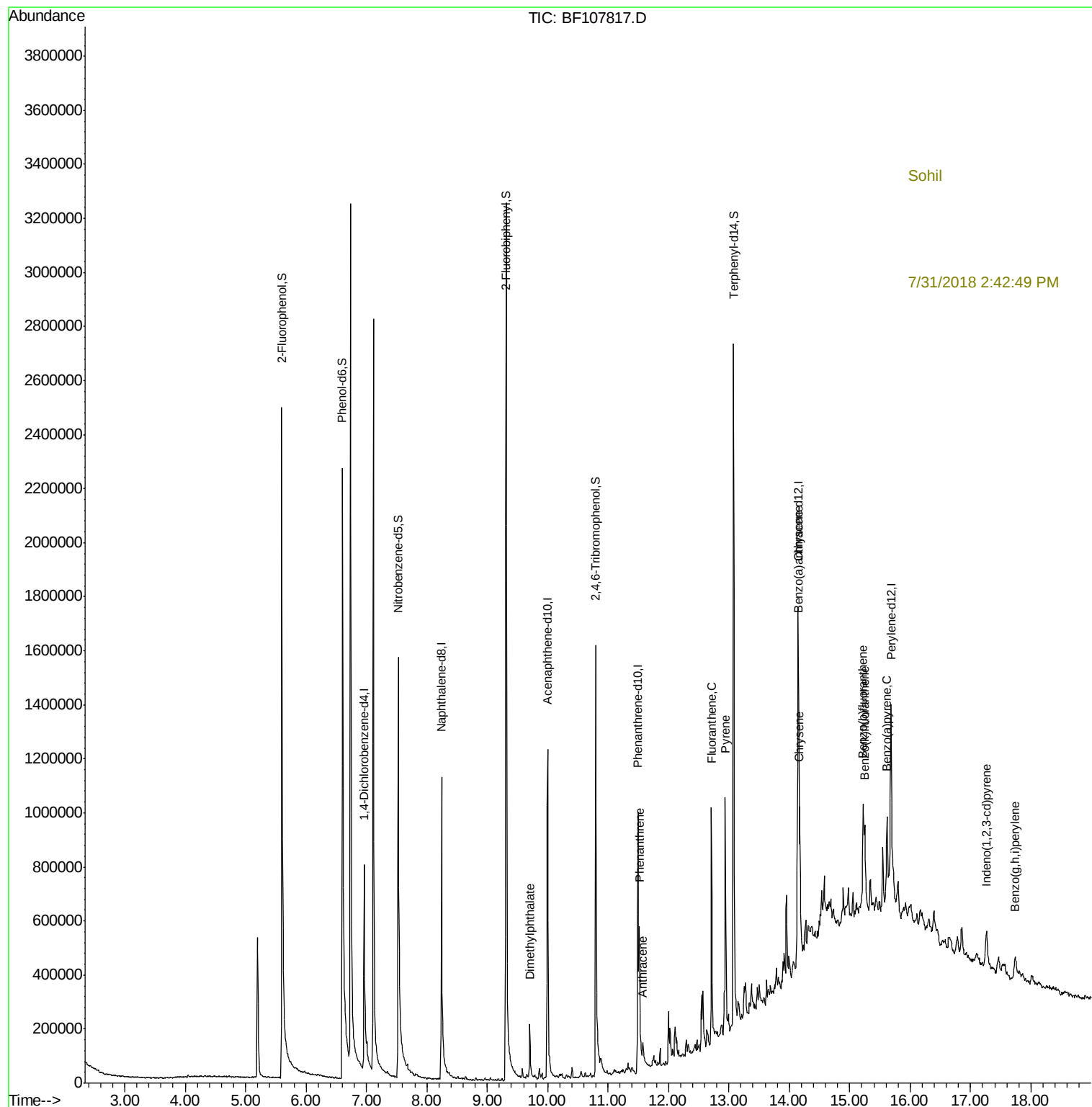
(#) = qualifier out of range (m) = manual integration (+) = signals summed

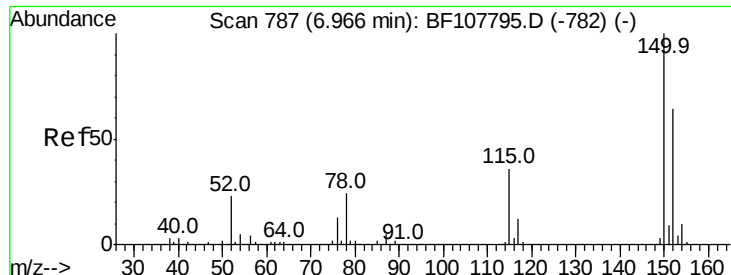
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
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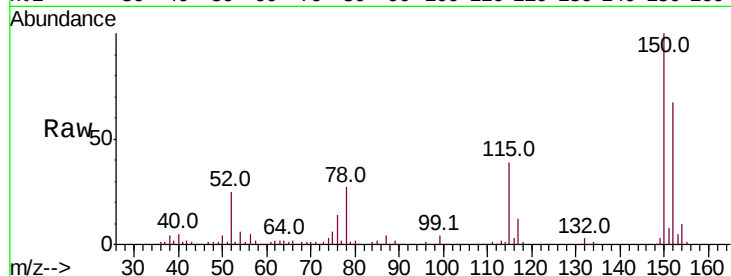
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Instrument :
BNA_F
ClientSampled :
SB-5(8-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.1	124.6	186.8
115	58.9	50.1	75.1

Manual Integrations
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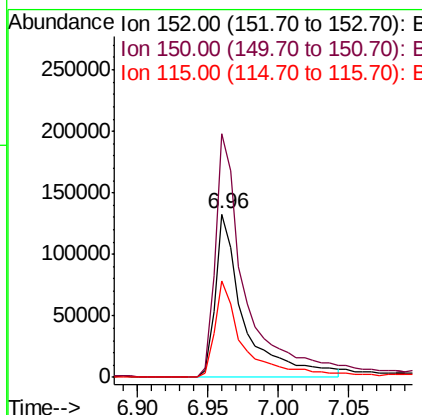
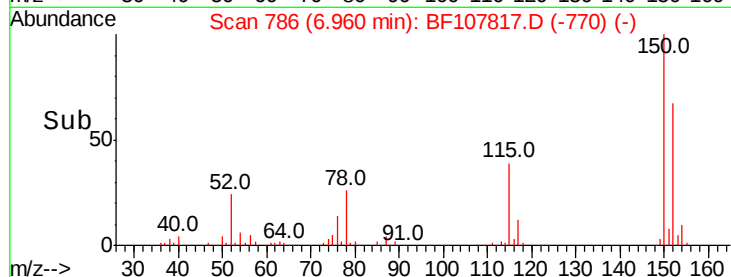


Abundance

Ion 152.00 (151.70 to 152.70): E

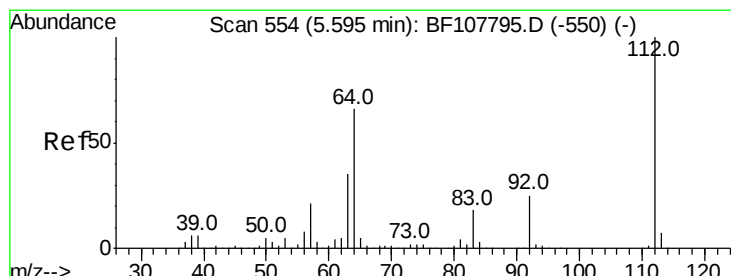
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



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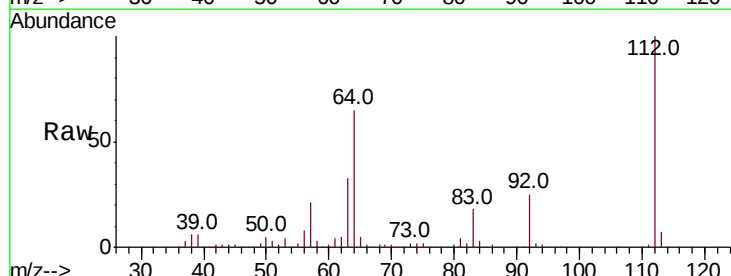
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#5

2-Fluorophenol
Concen: 99.171 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	33.1	23.7	35.5

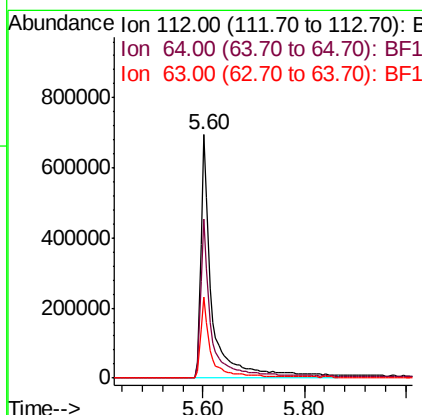
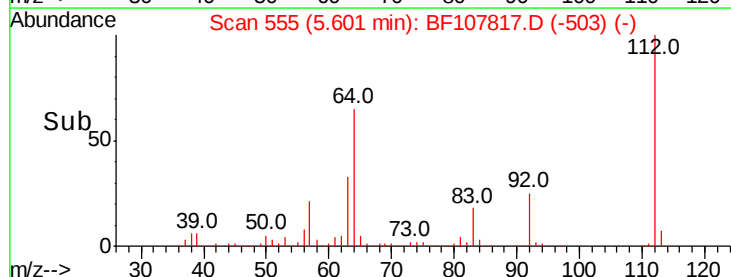


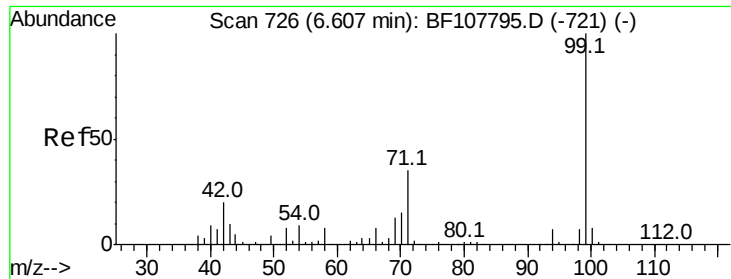
Abundance

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: 90.015 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107817.D

Acq: 30 Jul 2018 23:00

Instrument :

BNA_F

ClientSampled :

SB-5(8-10)

Tot Ion: 99 Resp: 1321175

Ion Ratio Lower Upper

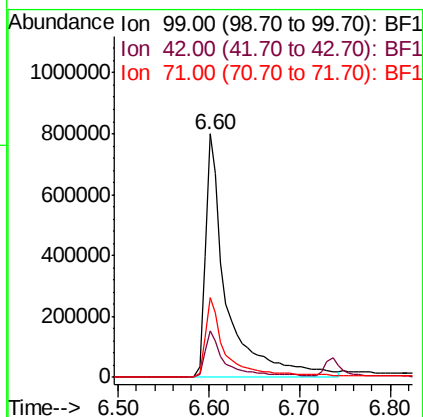
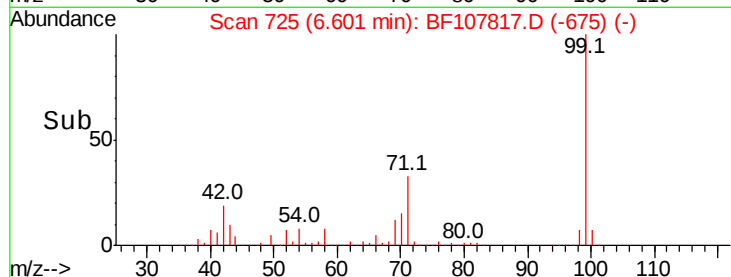
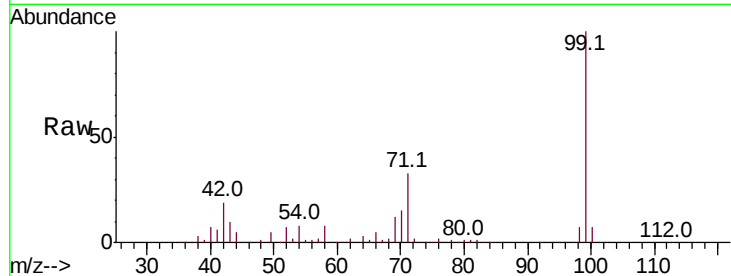
99 100

42 19.3 14.5 21.7

71 32.7 25.4 38.0

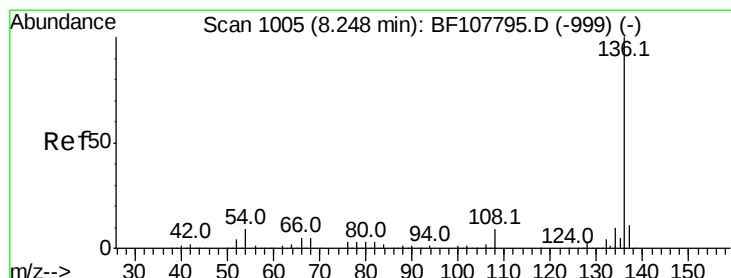
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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107817.D

Acq: 30 Jul 2018 23:00

Tgt Ion: 136 Resp: 742597

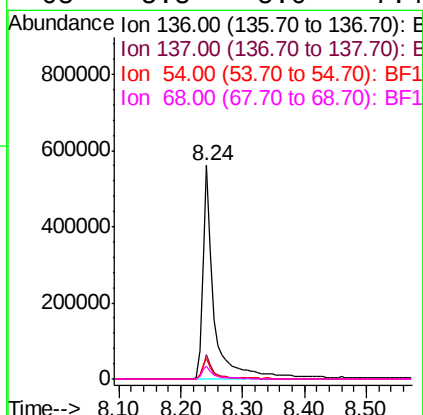
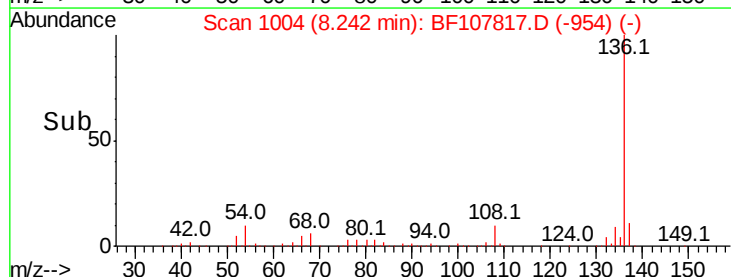
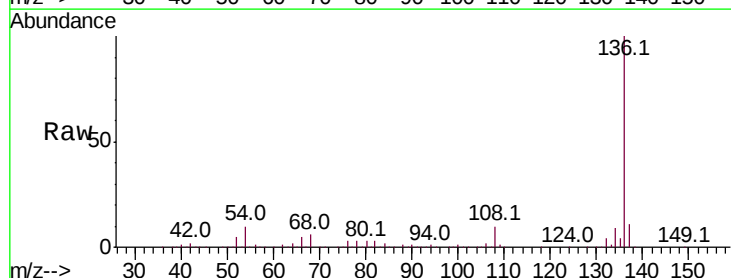
Ion Ratio Lower Upper

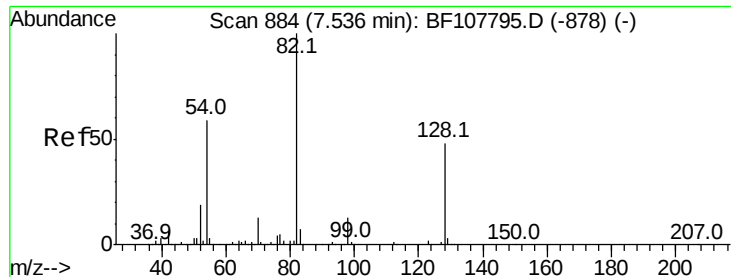
136 100

137 11.1 8.9 13.3

54 9.8 6.6 9.8

68 5.8 5.0 7.4



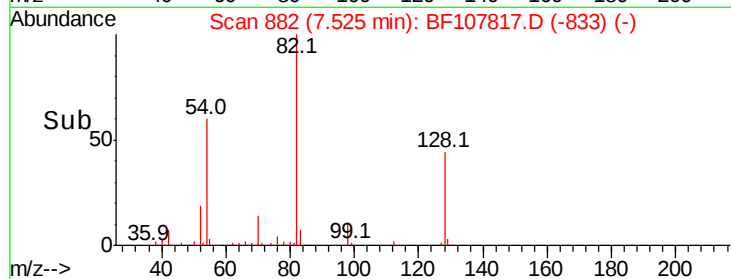
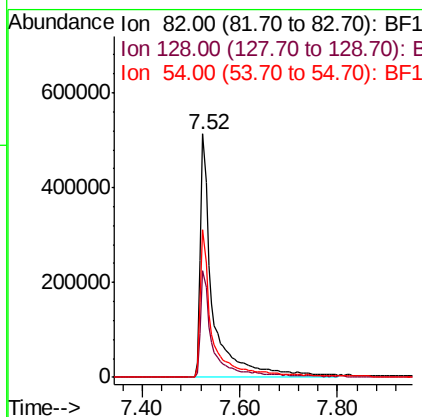
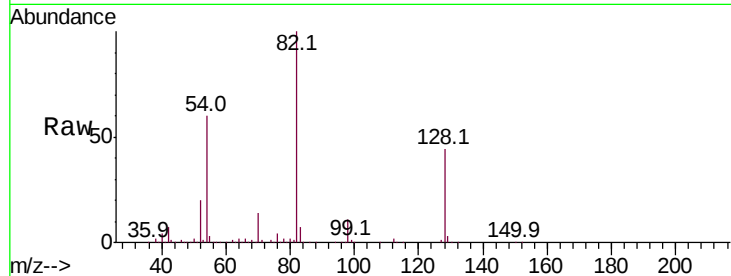


#23
Nitrobenzene-d5
Concen: 71.408 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Instrument :
BNA_F
ClientSampleId :
SB-5(8-10)

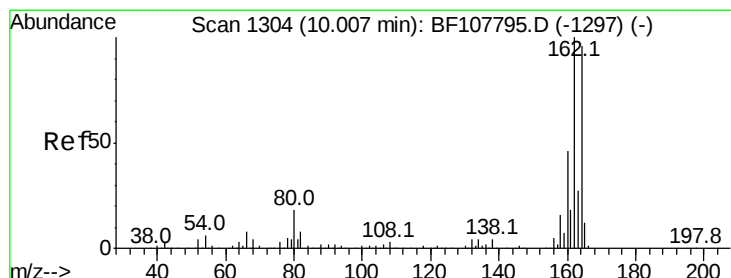
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	60.4	41.4	62.2

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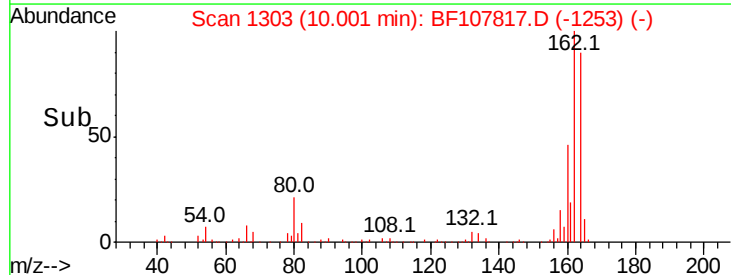
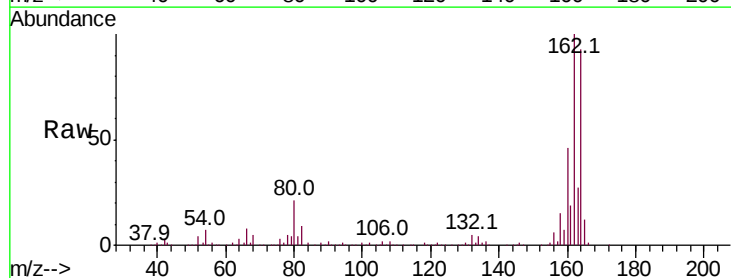
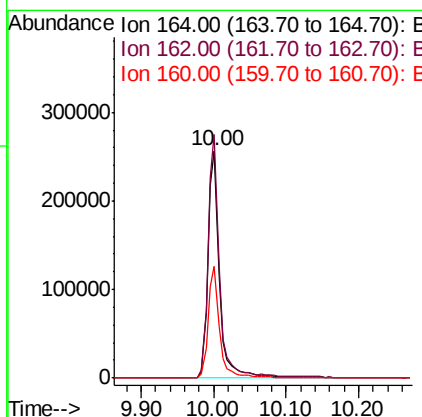
Sohil

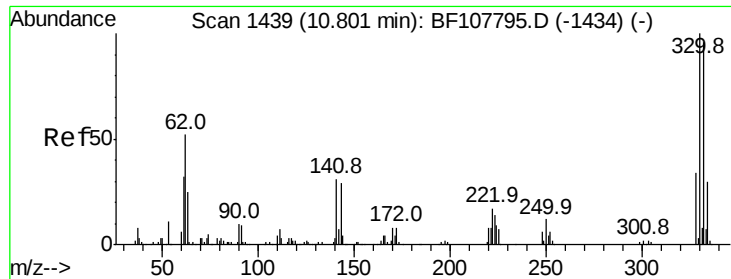
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.2	86.1	129.1
160	49.1	38.3	57.5



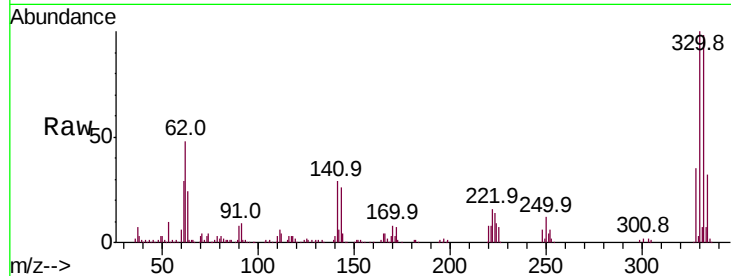


#41
 2,4,6-Tribromophenol
 Concen: 73.477 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107817.D
 Acq: 30 Jul 2018 23:00

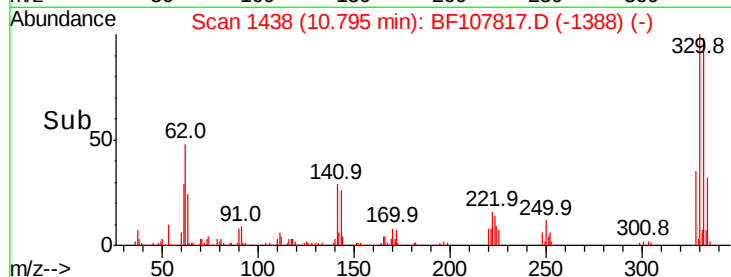
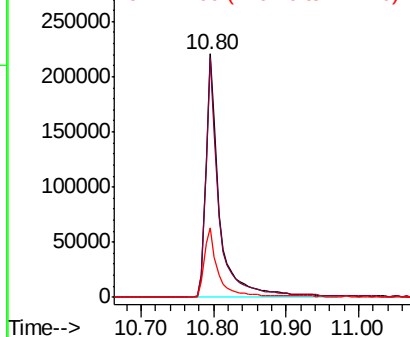
Instrument :
 BNA_F
 ClientSampled :
 SB-5(8-10)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	290553		
332	97.4	77.0	115.6	
141	30.5	29.9	44.9	

Manual Integrations
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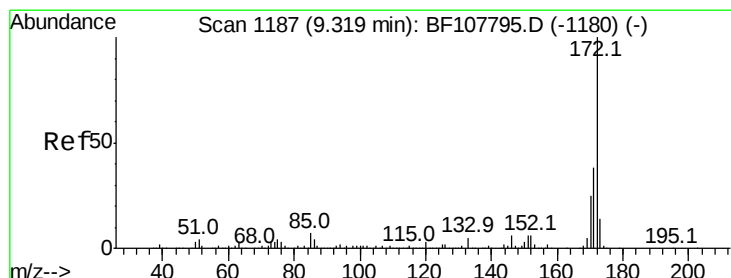


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



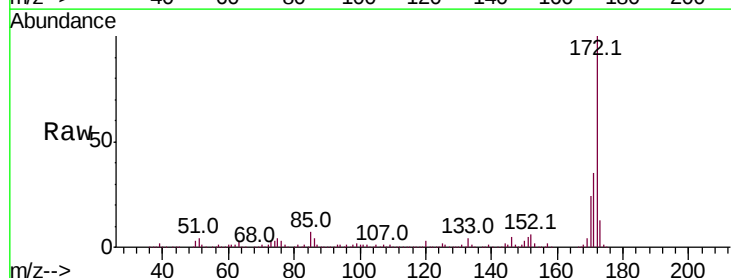
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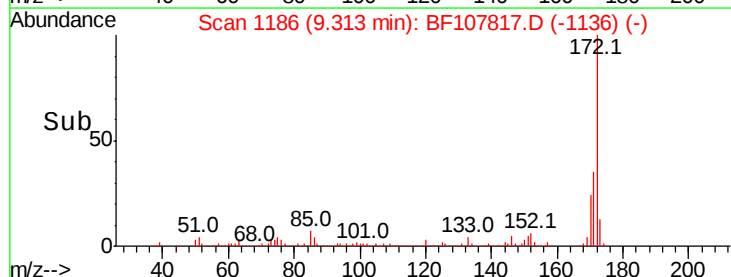
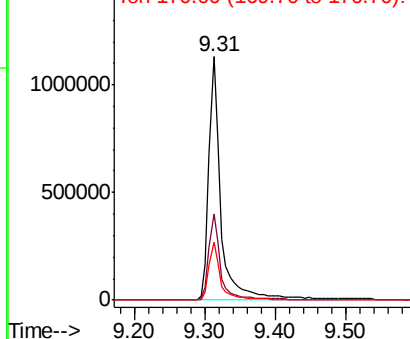


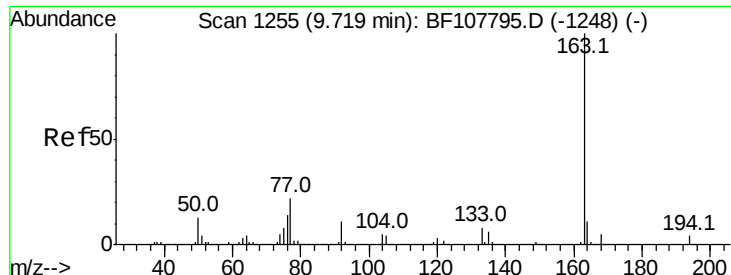
#44
 2-Fluorobiphenyl
 Concen: 65.388 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107817.D
 Acq: 30 Jul 2018 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1365570		
171	35.3	29.7	44.5	
170	24.0	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



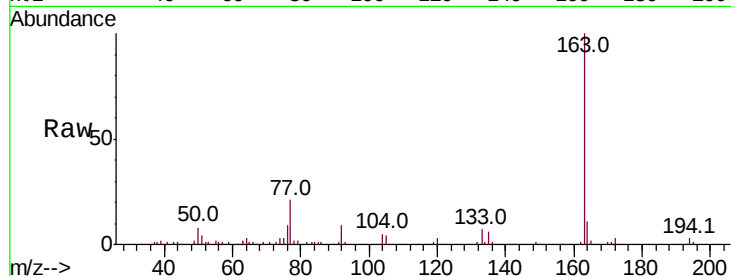


#49
Dimethylphthalate
Concen: 4.582 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

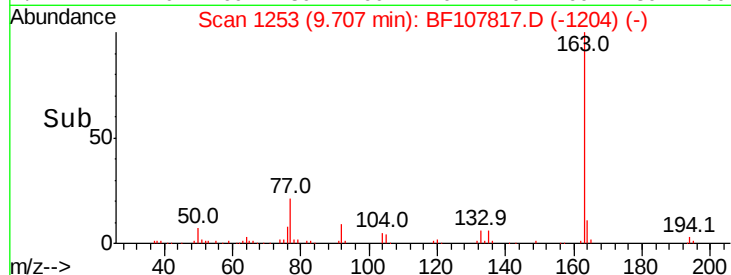
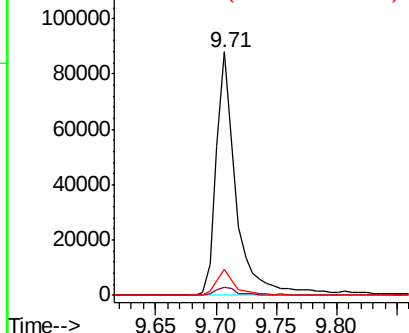
Instrument :
BNA_F
ClientSampled :
SB-5(8-10)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.7	4.1	
164	10.8	8.2	12.2	

Manual Integrations
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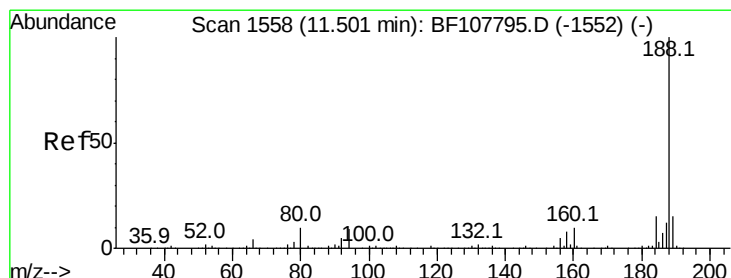


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



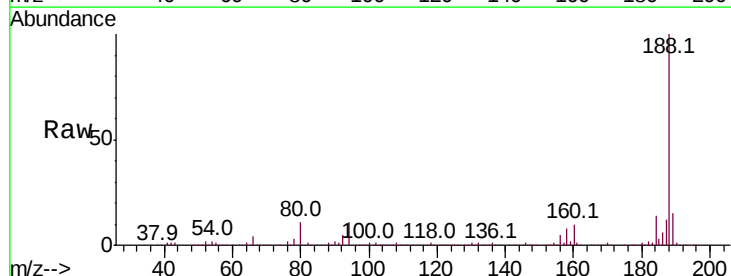
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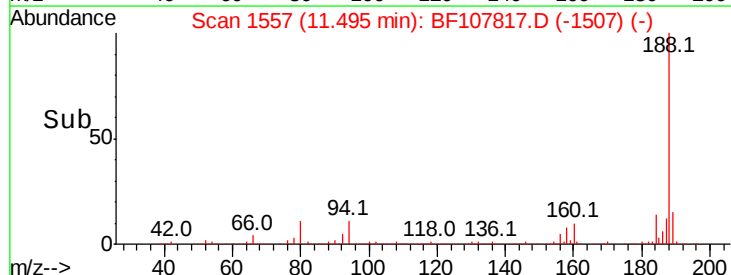
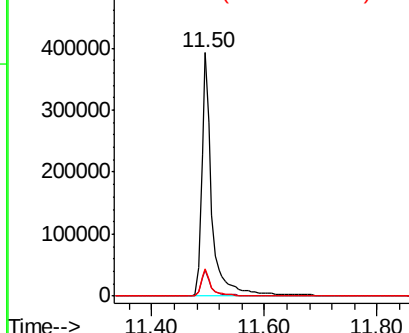


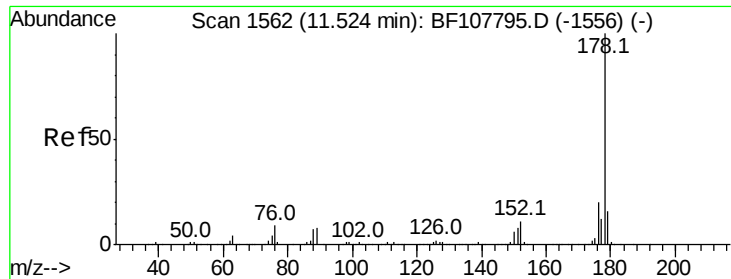
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.6	8.5	12.7	
80	11.2	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



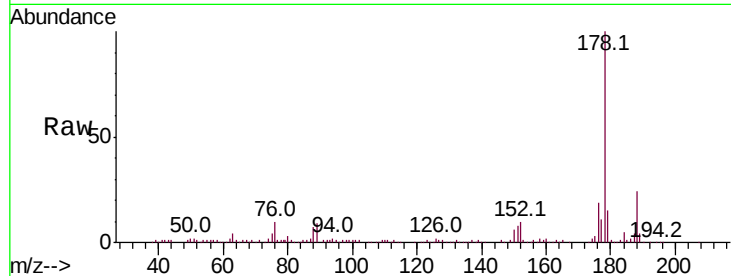


#70
Phenanthrene
Concen: 9.153 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

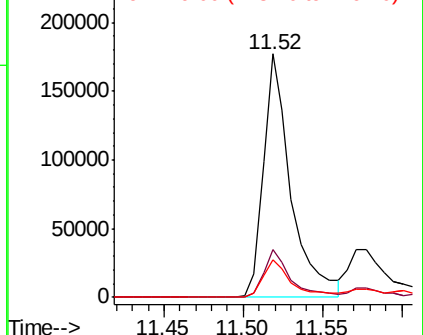
Instrument :
BNA_F
ClientSampled :
SB-5(8-10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.4	13.0	19.6

Manual Integrations
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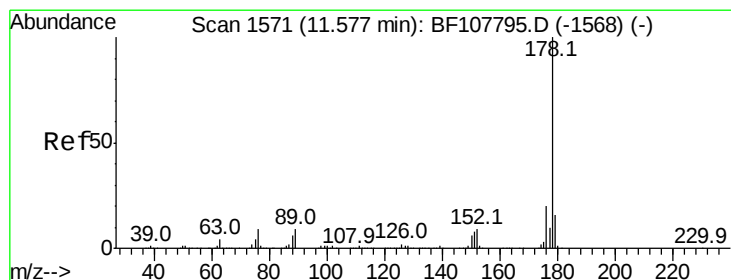
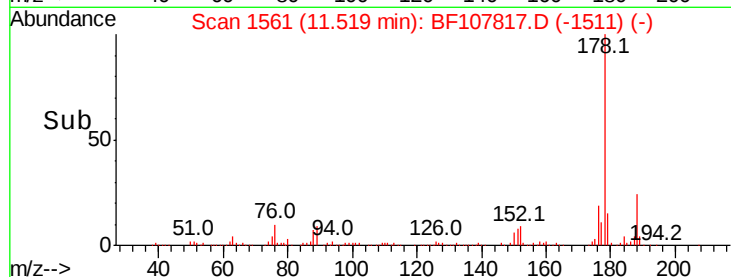


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



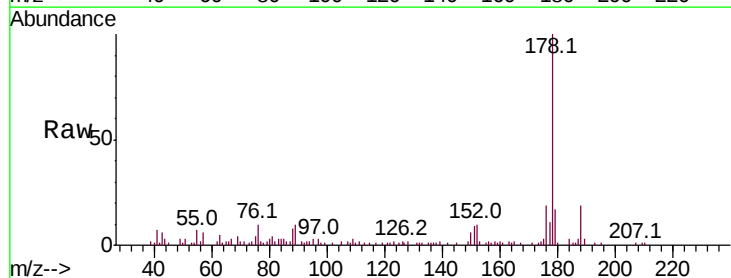
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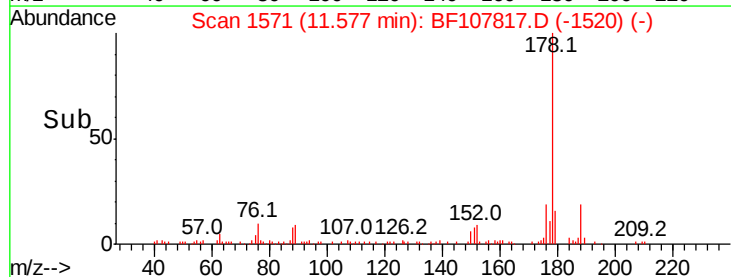
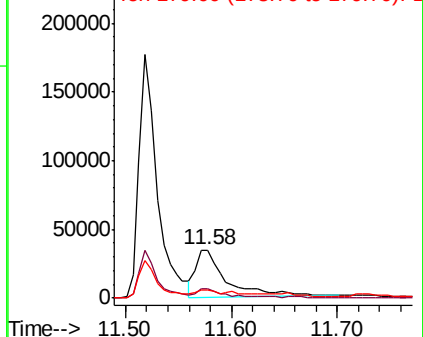


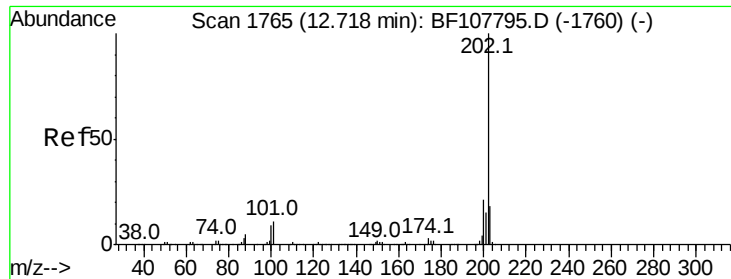
#71
Anthracene
Concen: 2.523 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	17.3	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





#74

Fluoranthene

Concen: 15.839 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107817.D

Acq: 30 Jul 2018 23:00

Instrument :

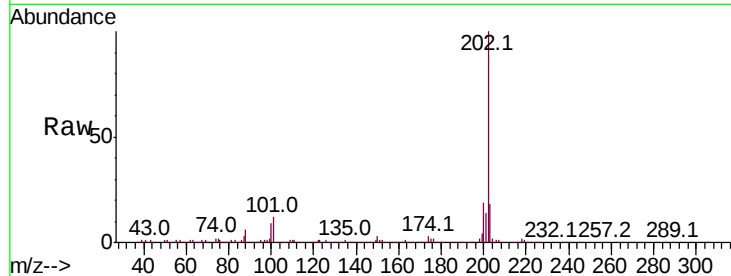
BNA_F

ClientSampled :

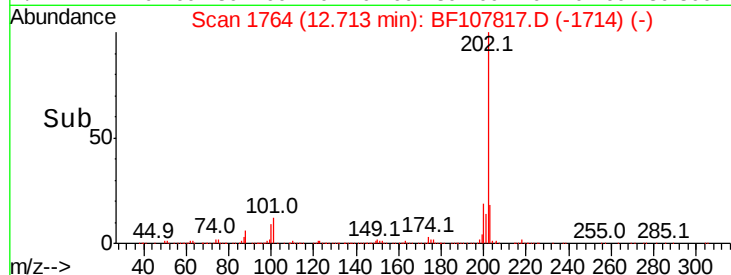
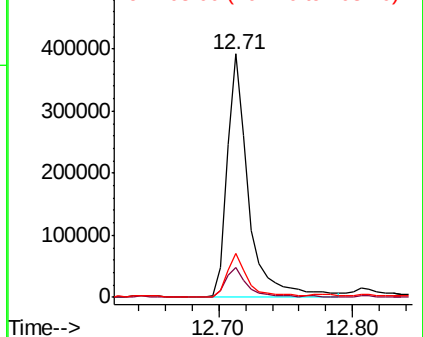
SB-5(8-10)

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.5	0.0	34.1	
203	17.9	0.0	38.1	

Manual Integrations
APPROVED

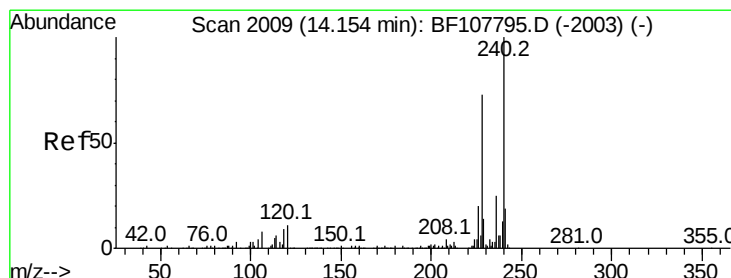


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



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#75

Chrysene-d12

Concen: 20.000 ng

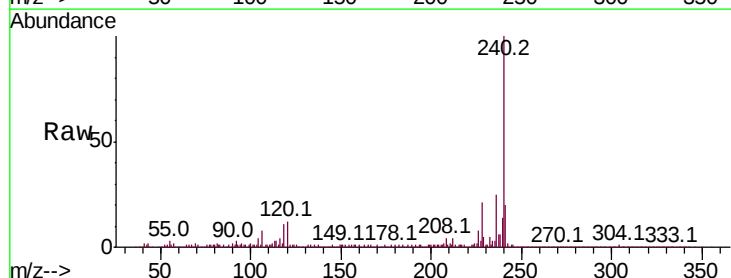
RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

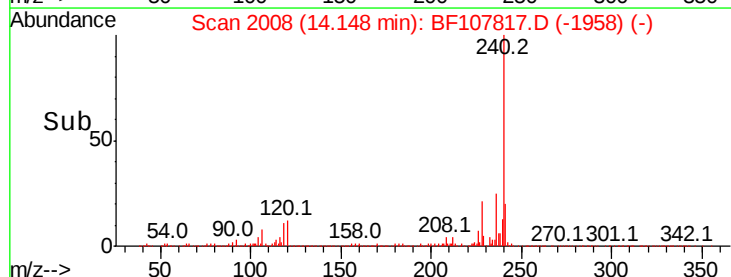
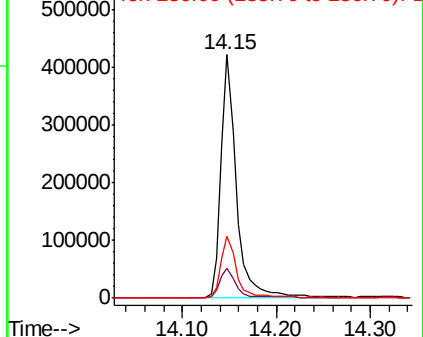
Lab File: BF107817.D

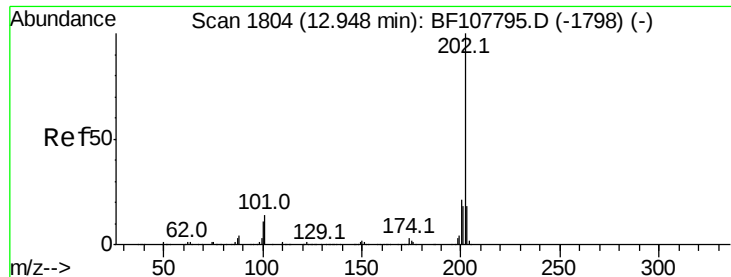
Acq: 30 Jul 2018 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.1	9.5	14.3	
236	25.3	20.7	31.1	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



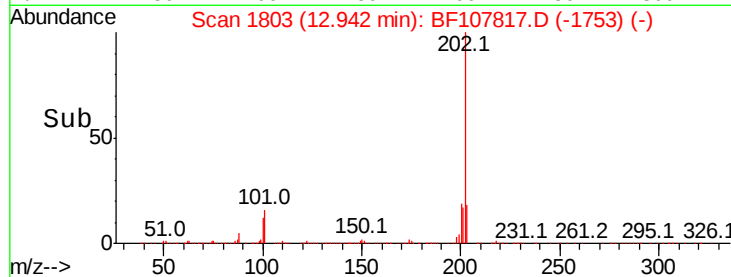
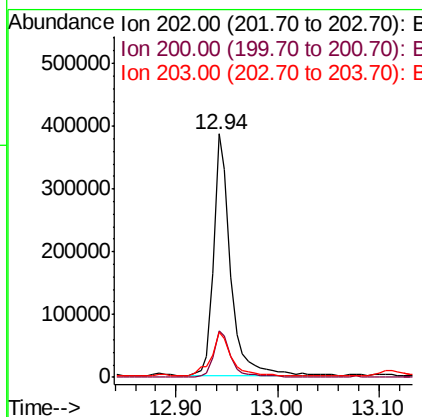
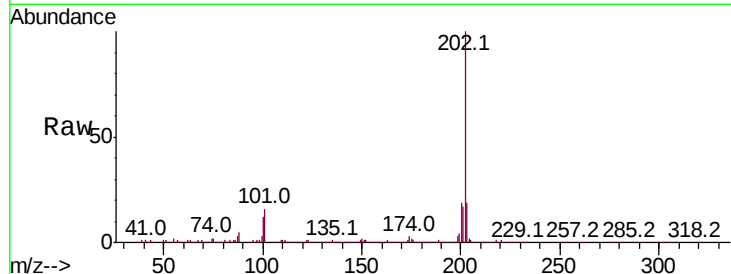


#77
Pvrene
Concen: 13.005 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Instrument :
BNA_F
ClientSampleId :
SB-5(8-10)

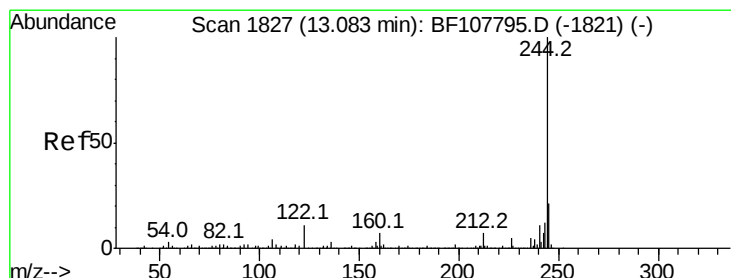
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.1	17.4	26.2
203	18.7	14.3	21.5

Manual Integrations
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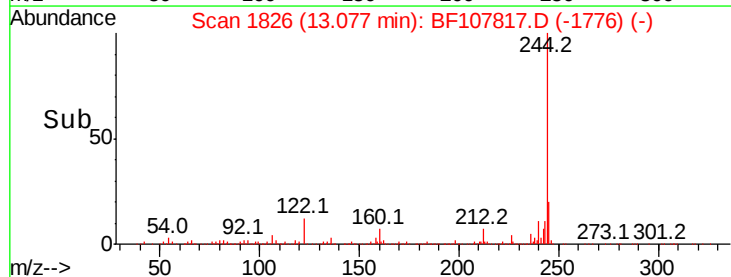
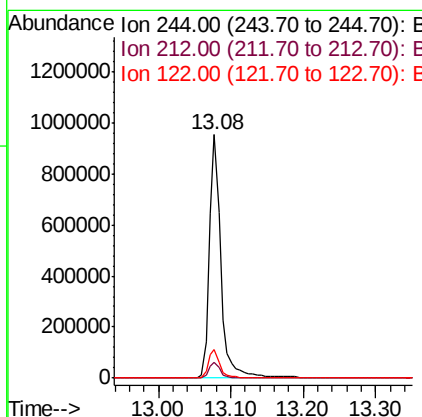
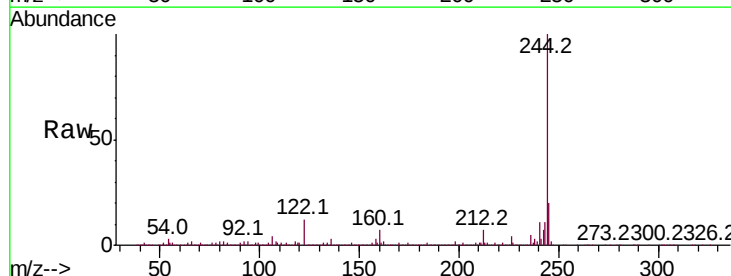
Sohil

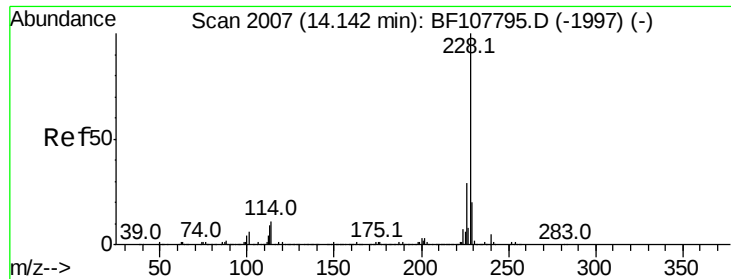
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#78
Terphenyl-d14
Concen: 47.391 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.6	11.0	16.4



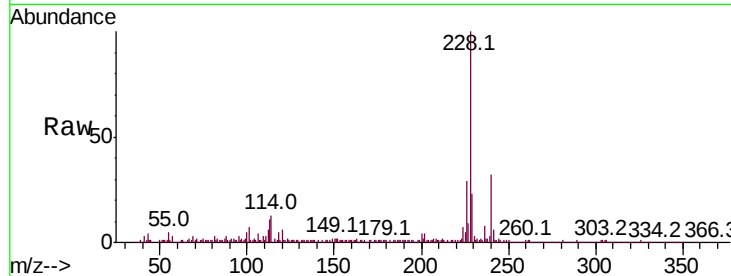


#80
Benzo(a)anthracene
Concen: 9.292 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

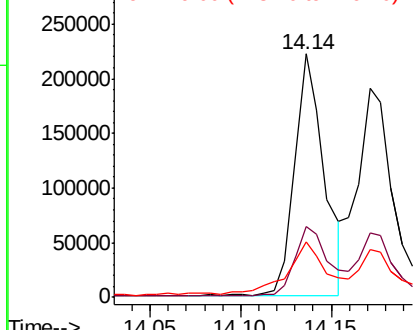
Instrument :
BNA_F
ClientSampled :
SB-5(8-10)

Tot Ion:	228	Resp:	255243
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.6	33.8
229	22.5	15.8	23.6

Manual Integrations
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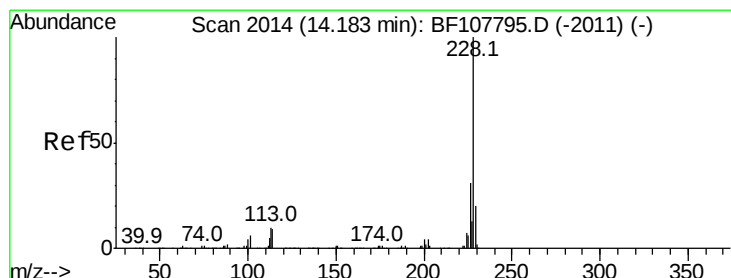
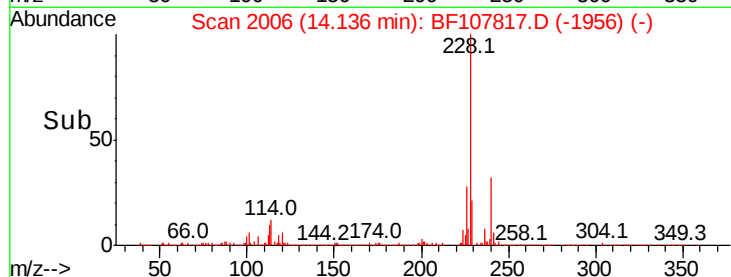


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



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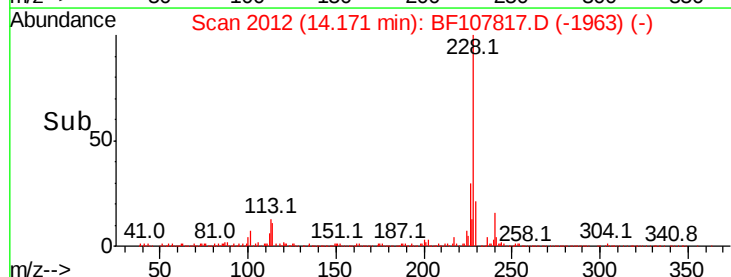
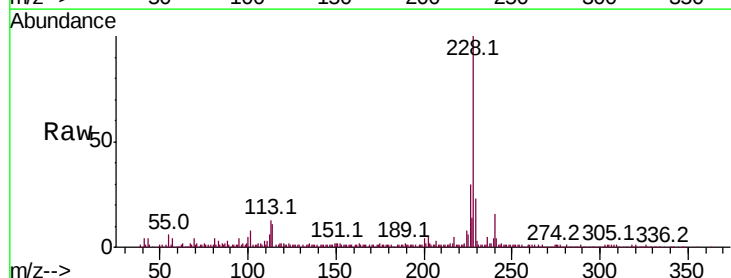
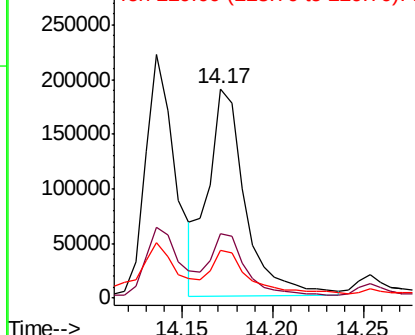
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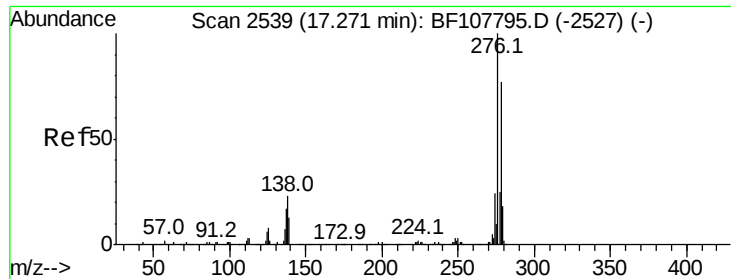


#82
Chrysene
Concen: 9.127 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Tgt Ion:	228	Resp:	270407
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	22.6	16.2	24.4

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



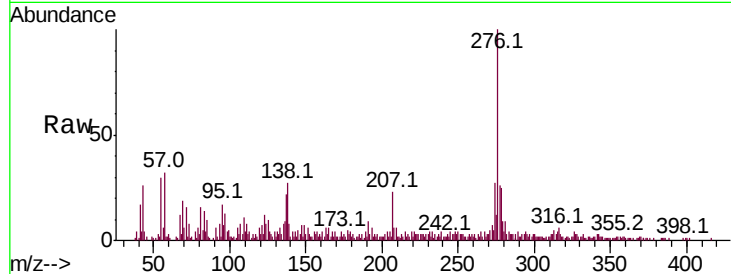


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.683 ng m
RT: 17.27 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

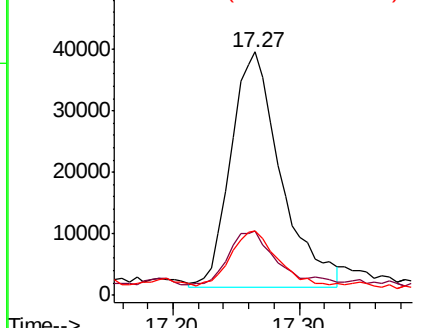
Instrument :
BNA_F
ClientSampleId :
SB-5(8-10)

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.7	25.0	37.6#
277	1.6	20.1	30.1#

Manual Integrations
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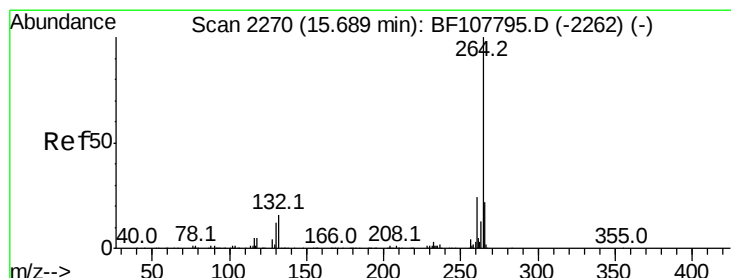
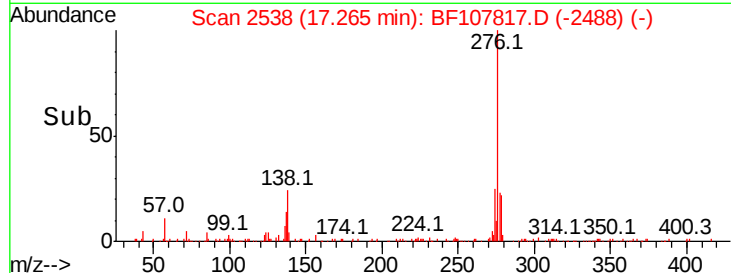


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



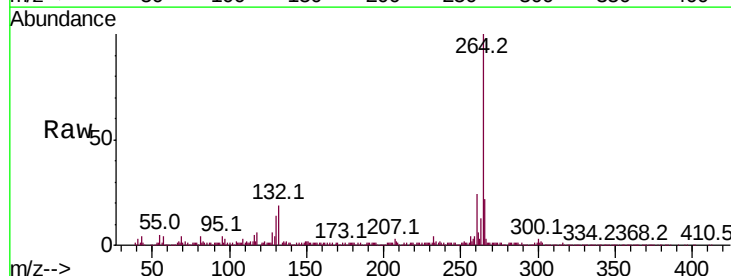
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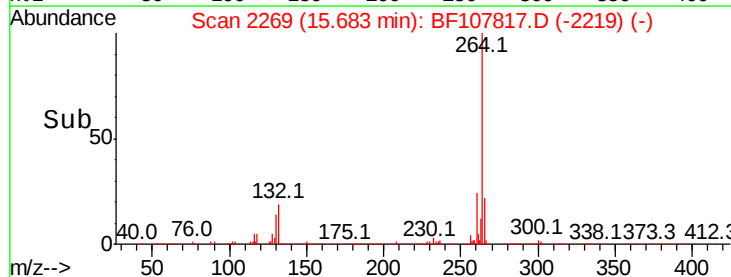
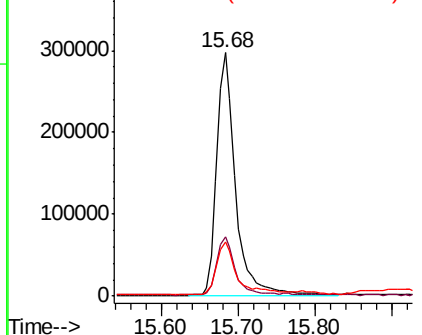


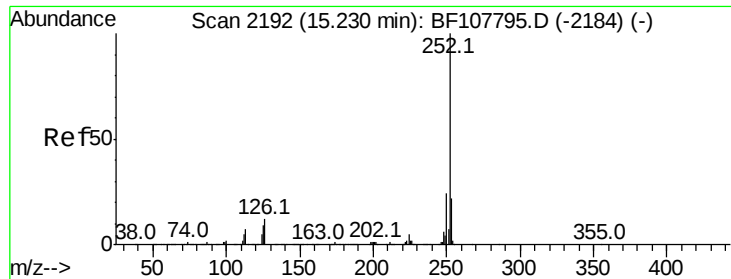
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.3	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



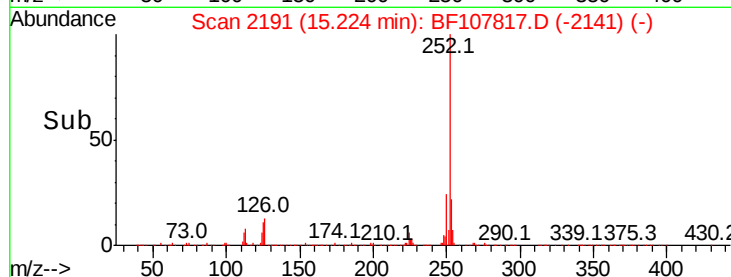
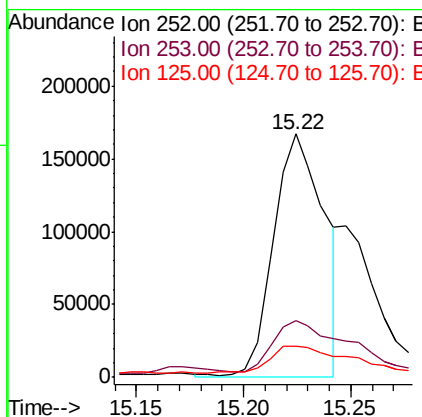
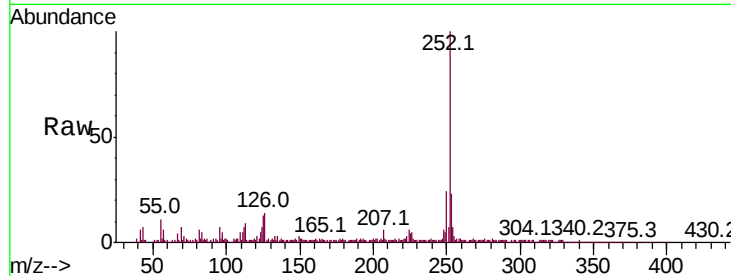


#87
Benzo(b)fluoranthene
Concen: 11.310 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Instrument :
BNA_F
ClientSampleId :
SB-5(8-10)

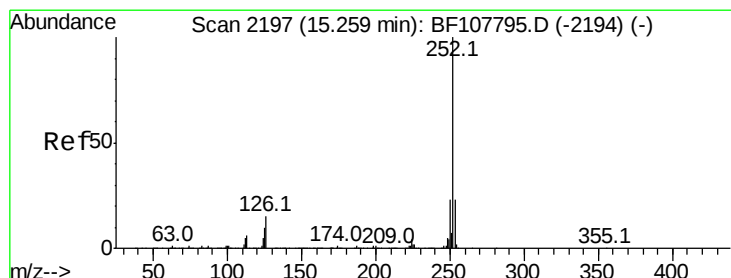
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.0	9.0	13.6

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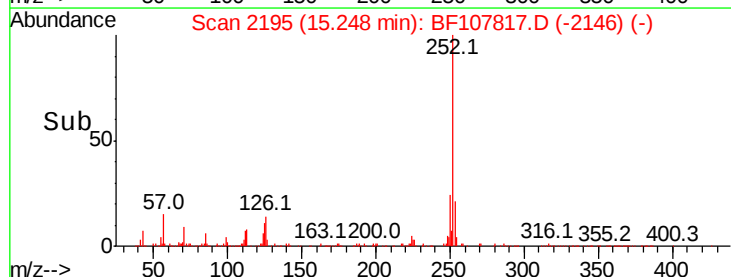
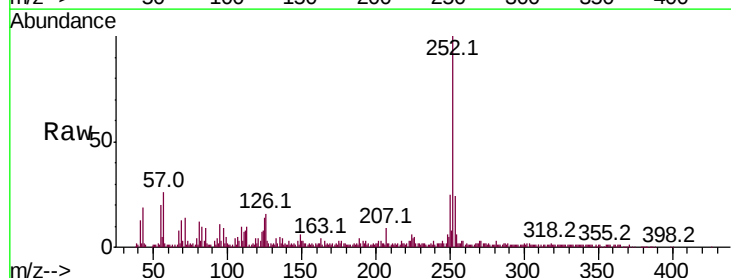
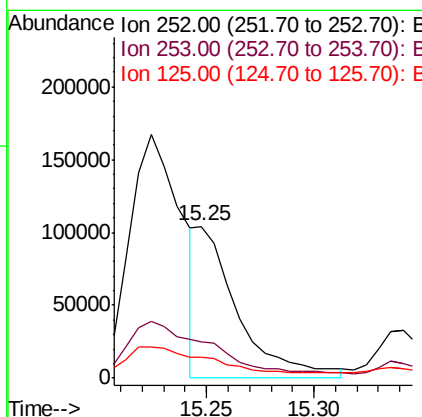
Sohil

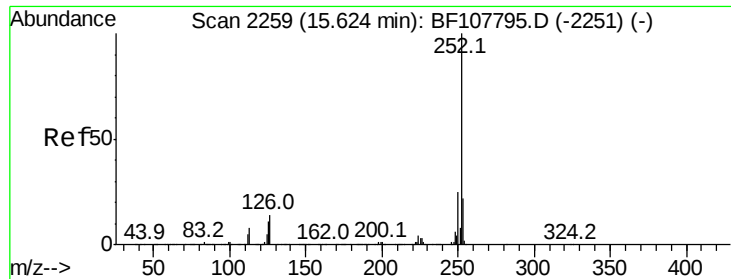
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#88
Benzo(k)fluoranthene
Concen: 4.619 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	14.0	10.2	15.2



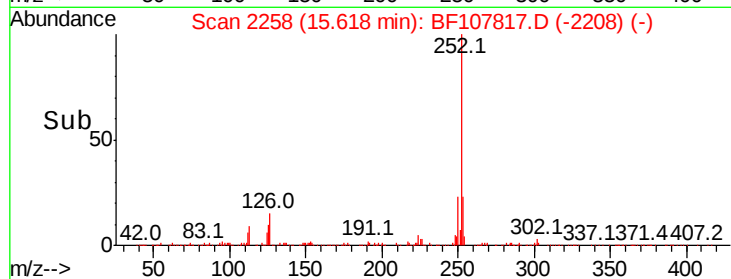
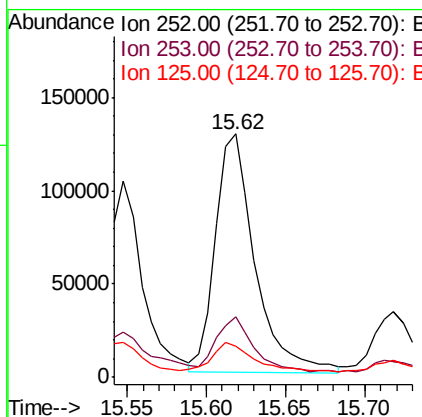
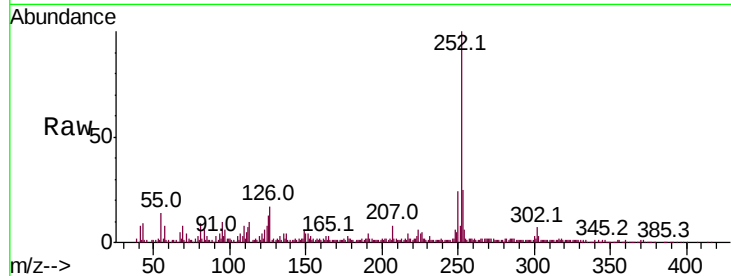


#89
Benzo(a)pyrene
Concen: 8.741 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Instrument :
BNA_F
ClientSampled :
SB-5(8-10)

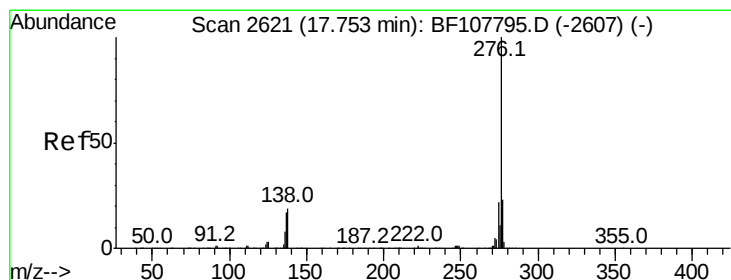
Tot Ion:	252	Resp:	222946
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.1	25.7
125	13.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.931 ng
RT: 17.74 min Scan# 2619
Delta R.T. -0.01 min
Lab File: BF107817.D
Acq: 30 Jul 2018 23:00

Tgt Ion:	276	Resp:	106145
Ion Ratio	Lower	Upper	
276	100		
277	26.3	17.9	26.9
138	27.8	21.8	32.8

