

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097931.D
 Acq On : 22 Aug 2017 3:17
 Operator : SJ/JU
 Sample : I4898-04 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081817-B

Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:45:28 PM

Quant Time: Aug 22 07:03:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	112989	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	406366	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	156585	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	277408	20.00	ng	0.00
75) Chrysene-d12	13.90	240	222668	20.00	ng	0.00
86) Perylene-d12	15.33	264	156648	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	445674	60.00	ng	0.00
7) Phenol-d6	6.38	99	581324	57.60	ng	0.00
23) Nitrobenzene-d5	7.31	82	328881	43.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	74117	54.55	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	439736	41.26	ng	0.00
78) Terphenyl-d14	12.85	244	335883	31.46	ng	0.00
Target Compounds						
48) Acenaphthylene	9.65	152	72527	4.378	ng	99
49) Dimethylphthalate	9.50	163	106900	9.340	ng	97
51) Acenaphthene	9.82	154	28320	2.710	ng	96
54) Dibenzofuran	9.99	168	29162	2.082	ng	# 94
57) Fluorene	10.33	166	52653	4.863	ng	94
70) Phenanthrene	11.29	178	331940	22.455	ng	100
71) Anthracene	11.34	178	128009	8.538	ng	99
74) Fluoranthene	12.48	202	652918	42.317	ng	99
77) Pyrene	12.71	202	640429	35.166	ng	99
80) Benzo(a)anthracene	13.89	228	300350	22.506	ng	95
82) Chrysene	13.93	228	254781	19.192	ng	98
85) Indeno(1,2,3-cd)pyrene	16.71	276	126887m	12.993	ng	
87) Benzo(b)fluoranthene	14.92	252	314367m	31.838	ng	
88) Benzo(k)fluoranthene	14.94	252	85008m	9.164	ng	
89) Benzo(a)pyrene	15.27	252	216600	24.779	ng	99
90) Dibenzo(a,h)anthracene	16.72	278	28660	4.027	ng	# 79
91) Benzo(a,h,i)perylene	17.13	276	124244	16.732	ng	93

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

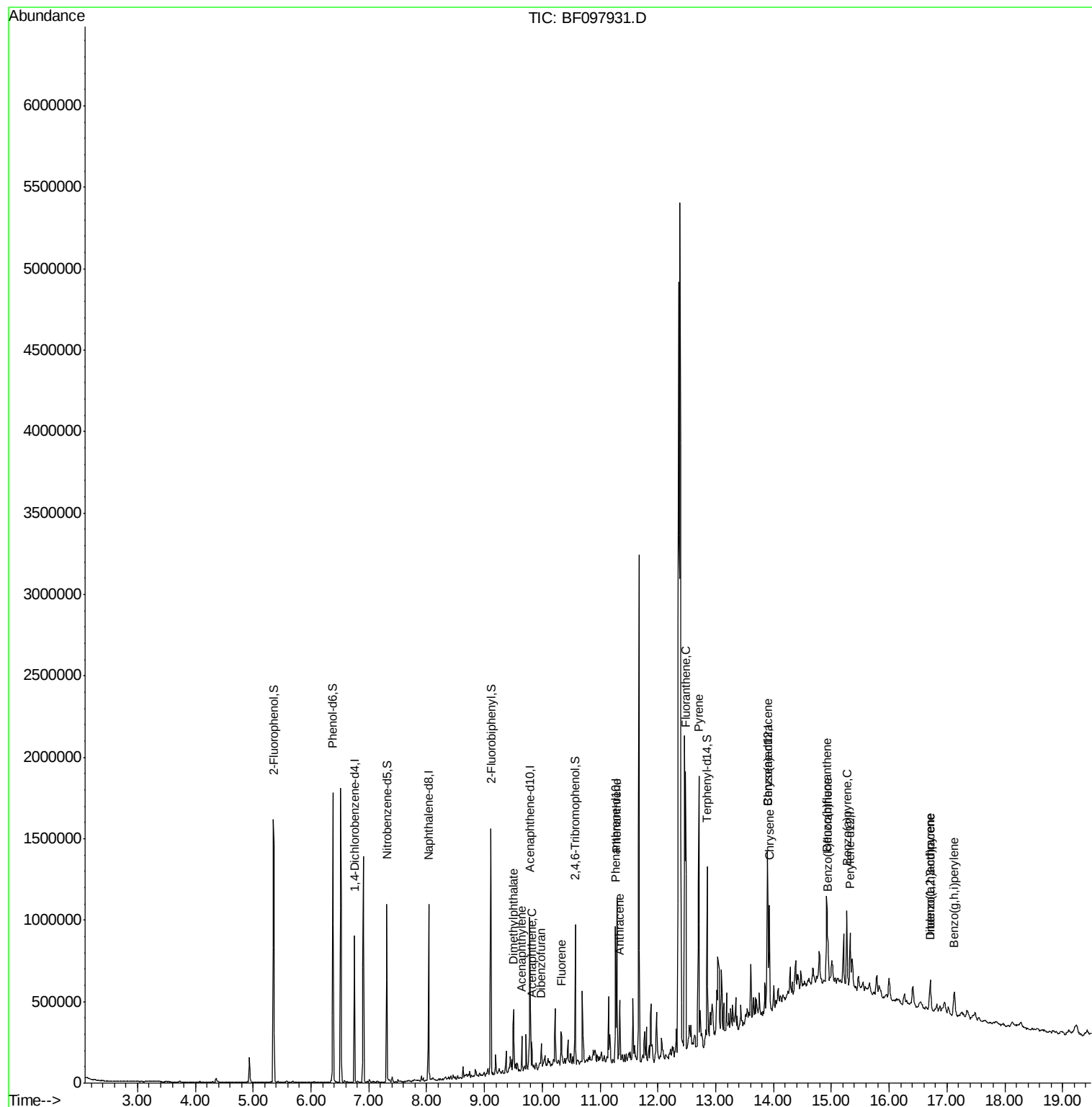
Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097931.D
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Misc :
ALS Vial : 24 Sample Multiplier: 1

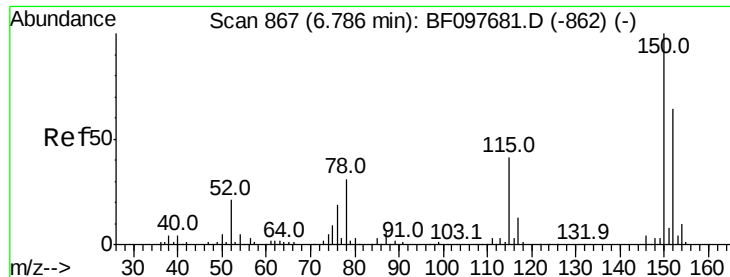
Instrument :
BNA_F
ClientSampled :
NB-08-081817-B

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Quant Time: Aug 22 07:03:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

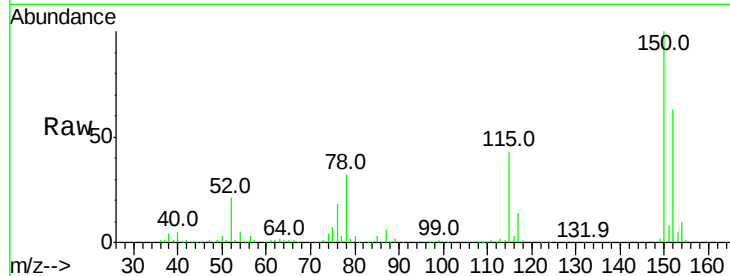
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF097931.D
Acq: 22 Aug 2017 3:17

Instrument :
BNA_F
ClientSampleId :
NB-08-081817-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	67.5	52.2	78.2

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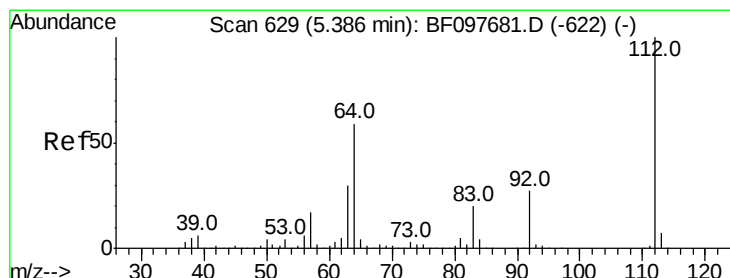
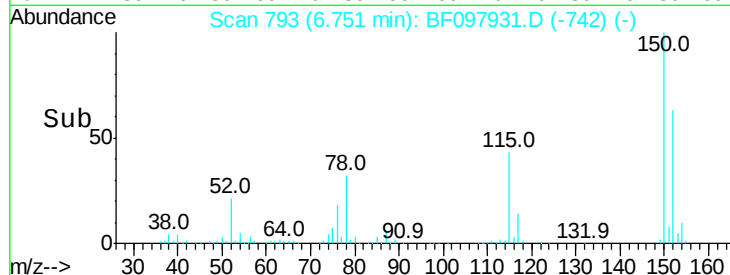
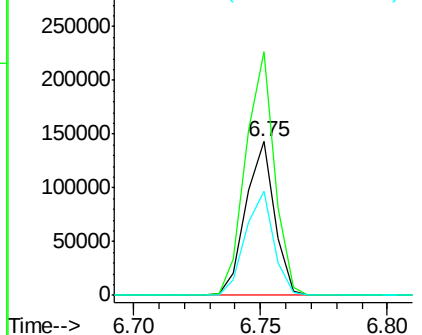


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

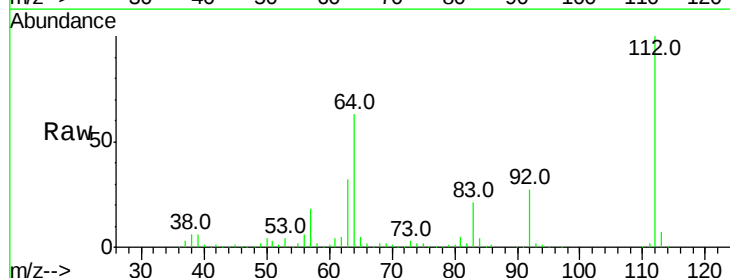
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 59.997 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF097931.D
Acq: 22 Aug 2017 3:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	46.0	69.0
63	32.3	23.4	35.0

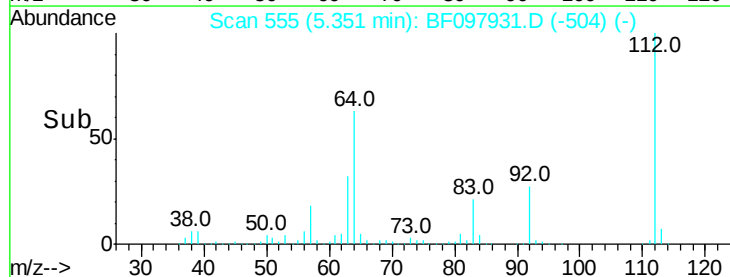
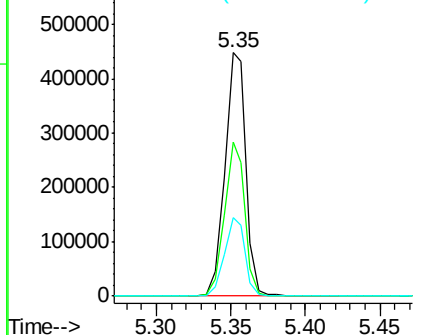


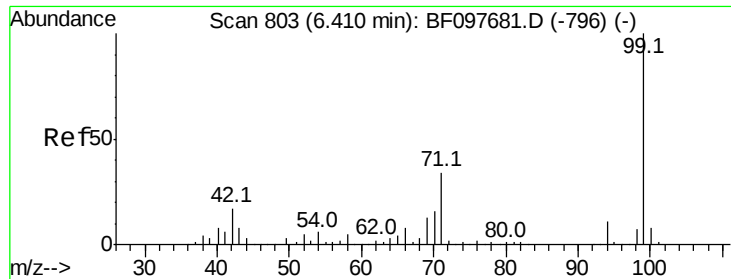
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 57.598 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Instrument :

BNA_F

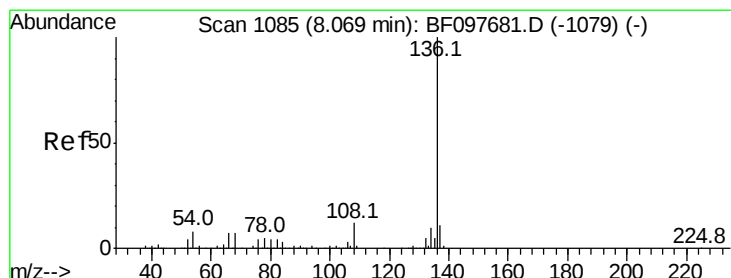
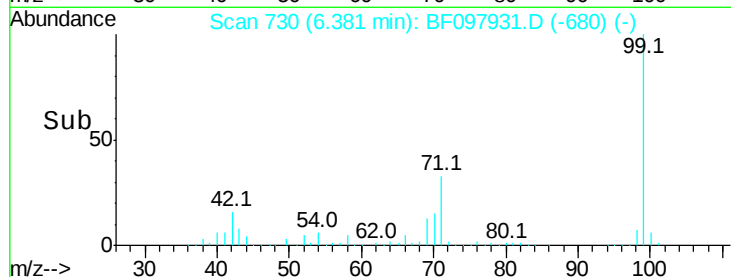
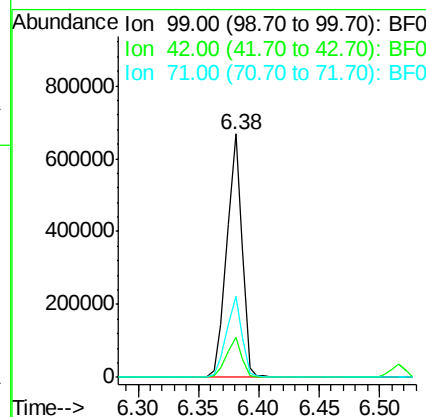
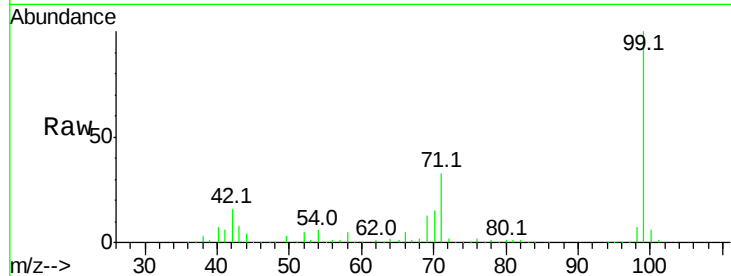
ClientSampleId :

NB-08-081817-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		581324		
42	16.2	13.5	20.3		
71	33.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

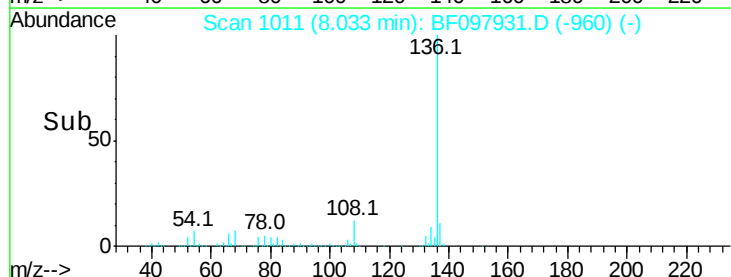
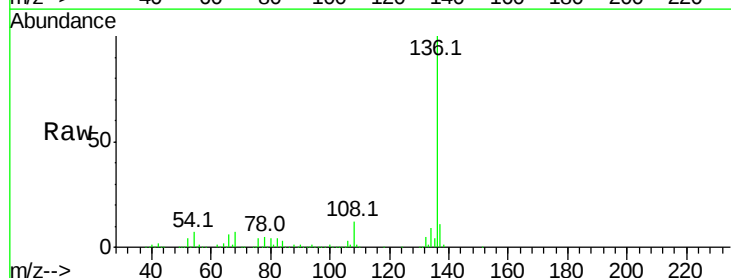
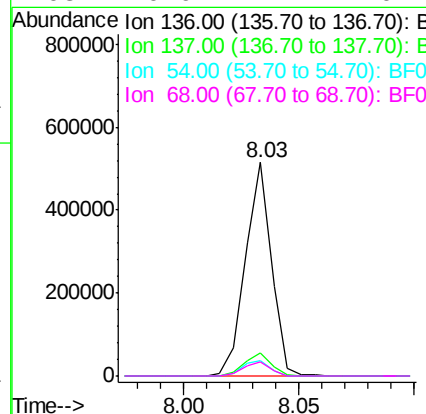
RT: 8.03 min Scan# 1011

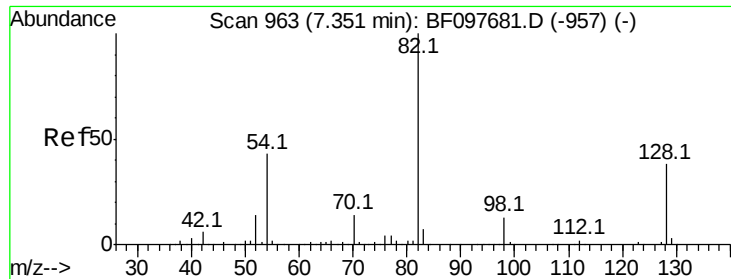
Delta R.T. -0.00 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		406366		
137	10.7	8.5	12.7		
54	7.5	4.9	7.3#		
68	6.9	4.1	6.1#		





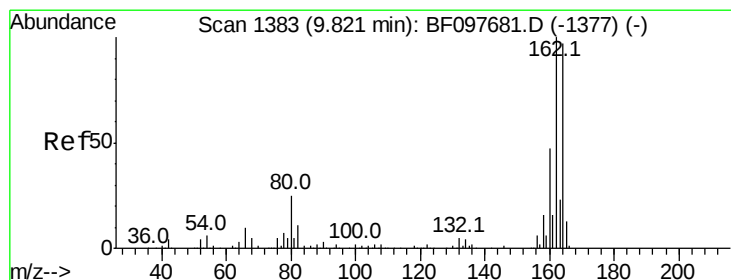
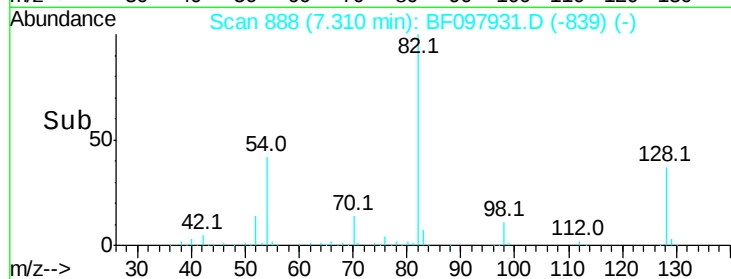
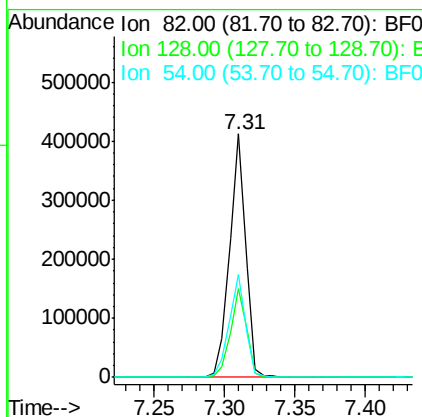
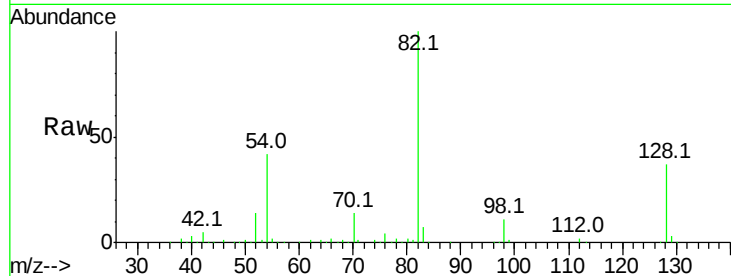
#23
 Nitrobenzene-d5
 Concen: 43.966 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF097931.D
 Acq: 22 Aug 2017 3:17

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081817-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.6	34.0	51.0	
54	42.1	42.2	63.2	

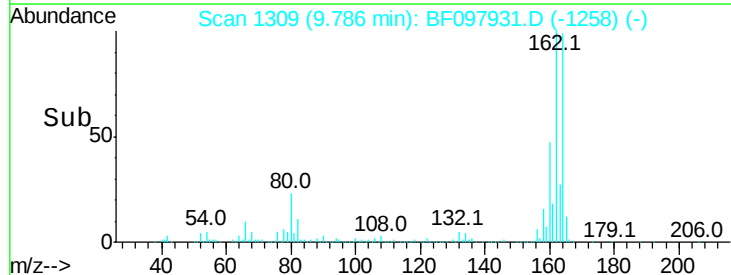
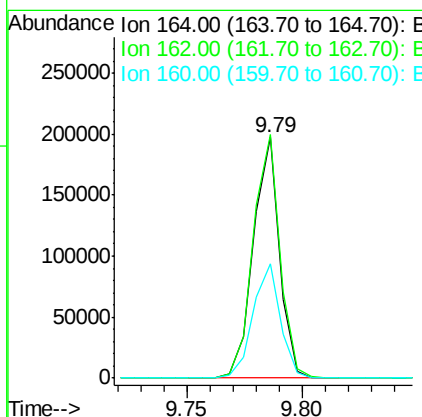
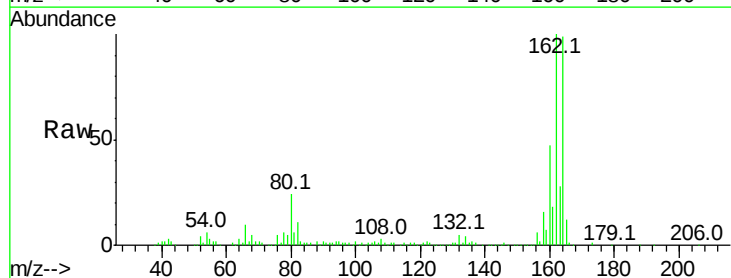
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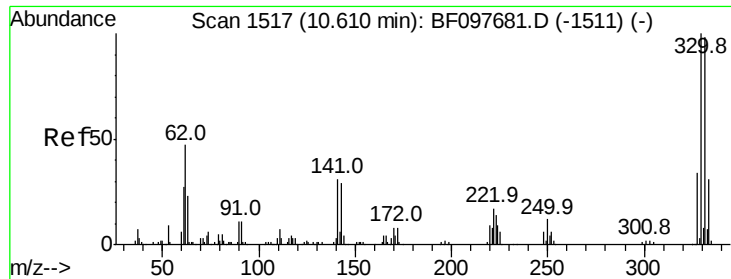
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BF097931.D
 Acq: 22 Aug 2017 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	82.6	123.8	
160	47.5	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 54.553 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Instrument :

BNA_F

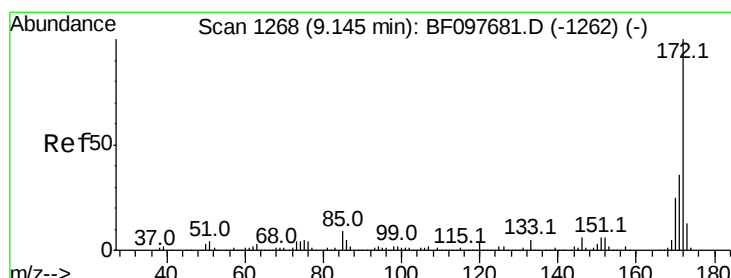
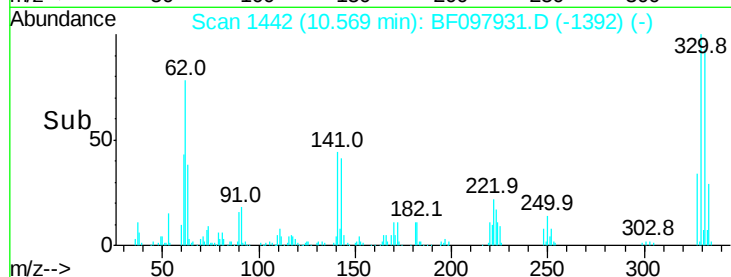
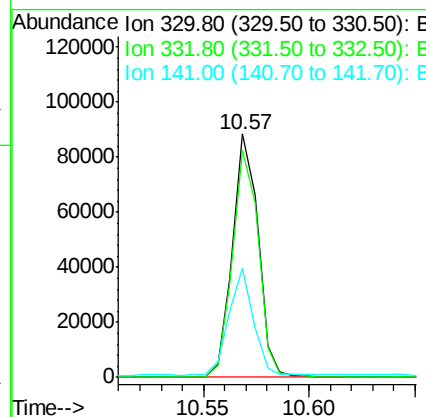
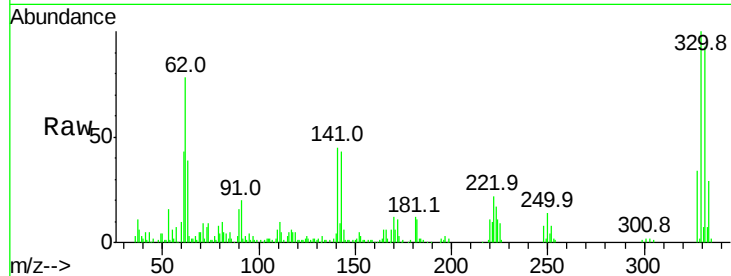
ClientSampleId :

NB-08-081817-B

Tot Ion:	330	Resp:	74117
Ion Ratio	Lower	Upper	
330	100		
332	94.5	76.6	115.0
141	42.7	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 41.260 ng

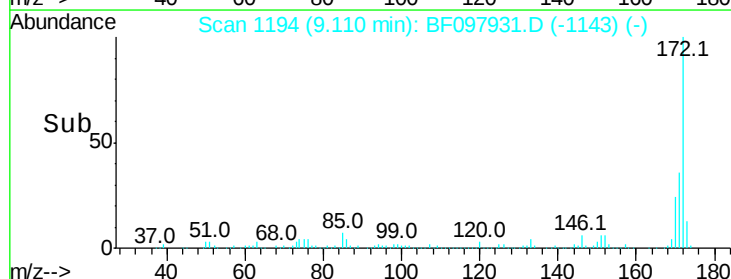
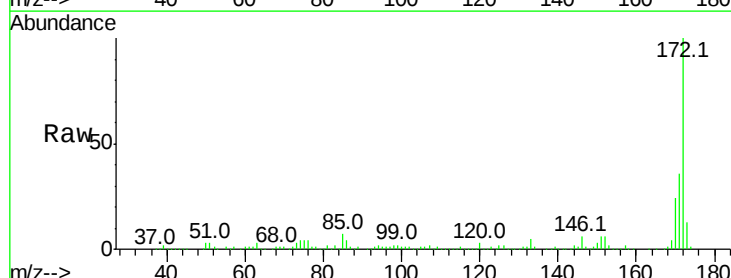
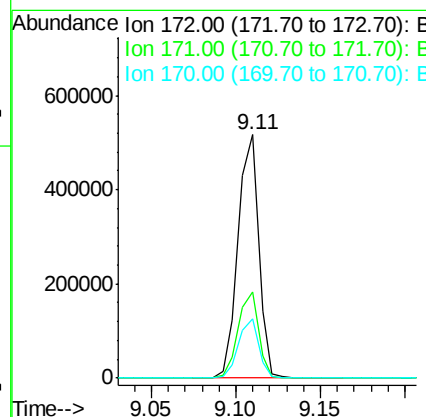
RT: 9.11 min Scan# 1194

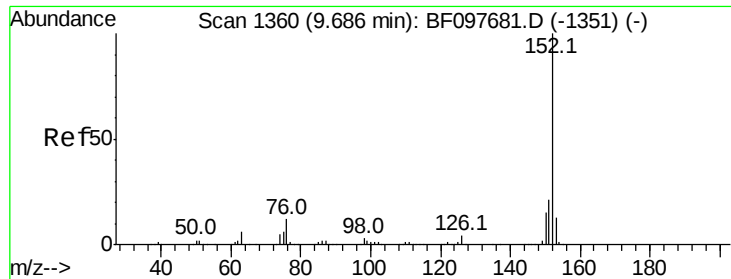
Delta R.T. -0.00 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Tgt Ion:	172	Resp:	439736
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.6	44.4
170	24.3	19.8	29.8





#48

Acenaphthylene

Concen: 4.378 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Instrument :

BNA_F

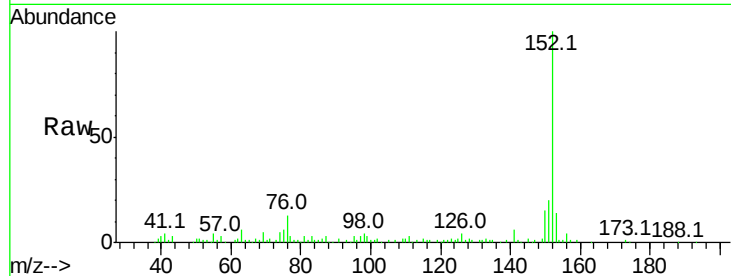
ClientSampleId :

NB-08-081817-B

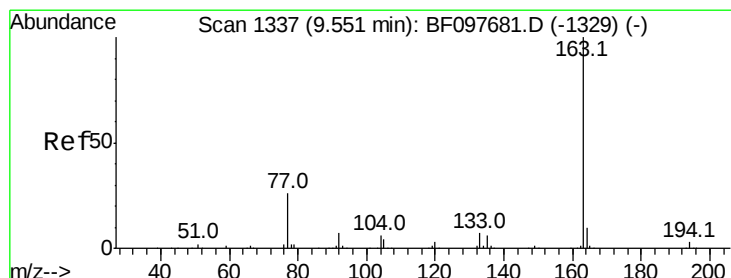
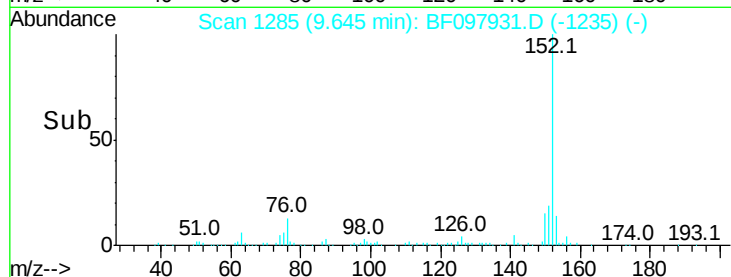
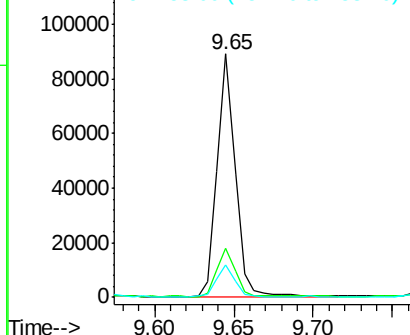
Tot Ion:	152	Resp:	72527
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.8	25.2
153	13.5	10.8	16.2

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 9.340 ng

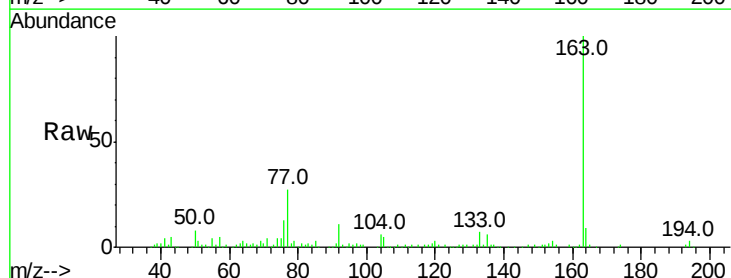
RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

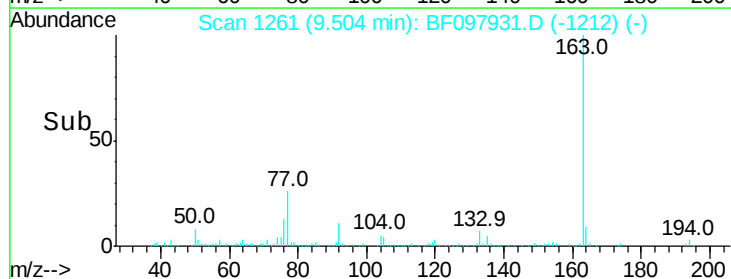
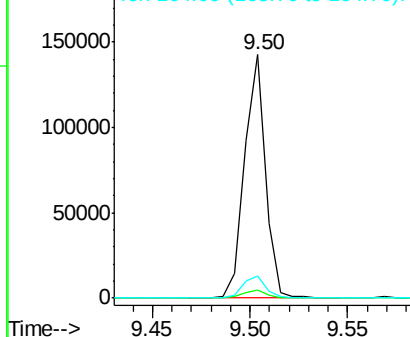
Lab File: BF097931.D

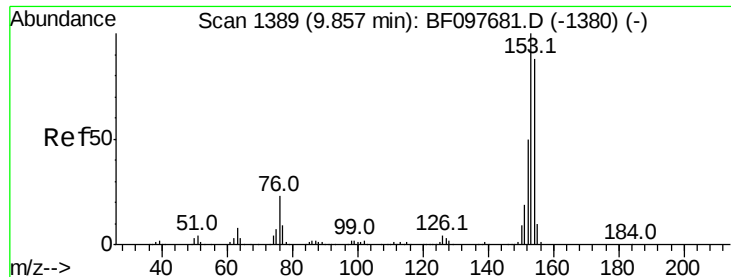
Acq: 22 Aug 2017 3:17

Tgt Ion:	163	Resp:	106900
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	9.2	8.4	12.6



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





#51

Acenaphthene

Concen: 2.710 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Instrument :

BNA_F

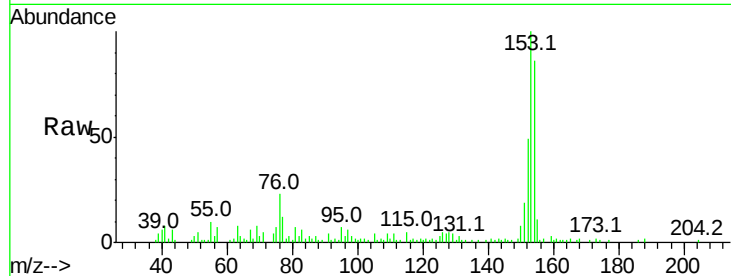
ClientSampleId :

NB-08-081817-B

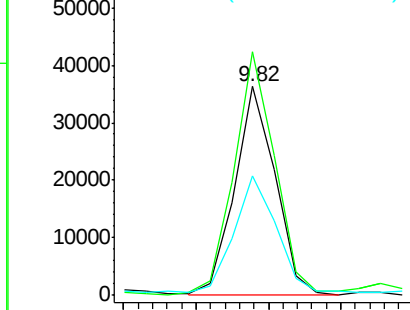
Tot Ion:	154	Resp:	28320
Ion Ratio	Lower	Upper	
154	100		
153	116.7	90.5	135.7
152	57.4	43.6	65.4

Manual Integrations
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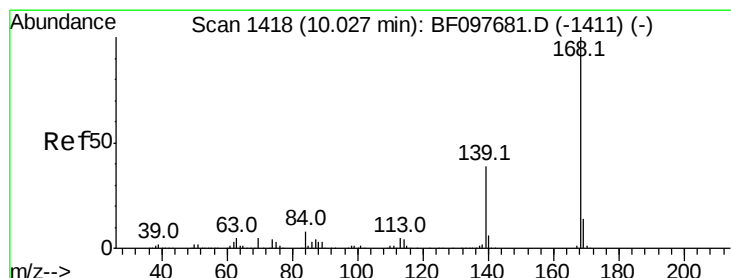
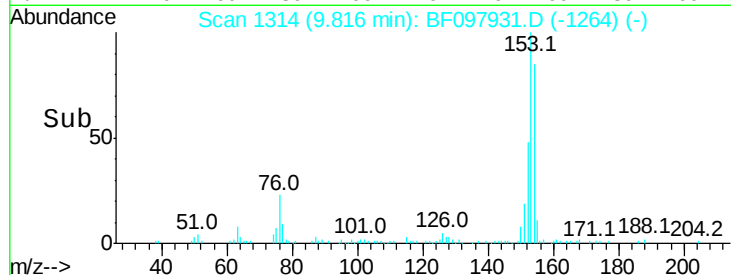
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->



#54

Dibenzofuran

Concen: 2.082 ng

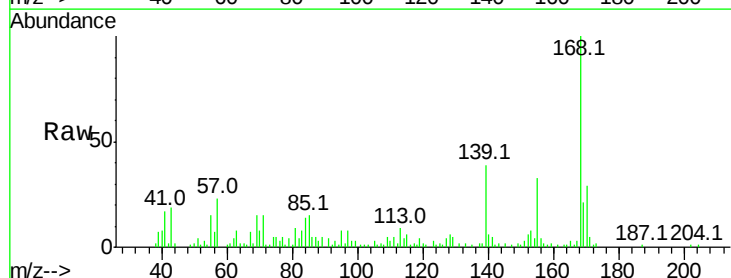
RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

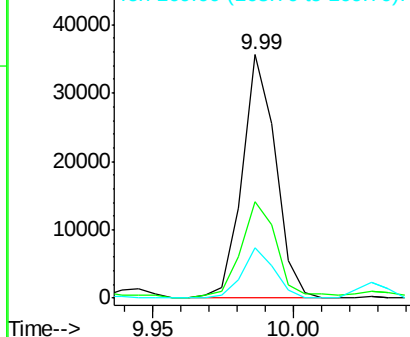
Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

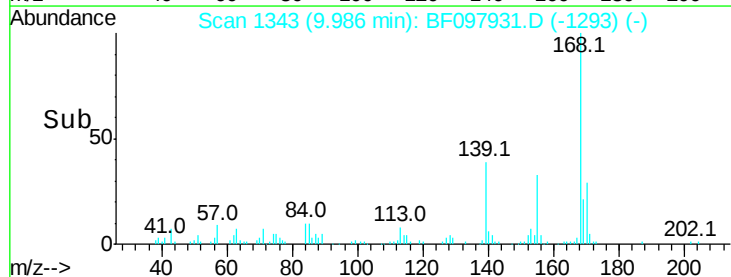
Tgt Ion:	168	Resp:	29162
Ion Ratio	Lower	Upper	
168	100		
139	39.4	30.6	45.8
169	20.7	10.8	16.2#

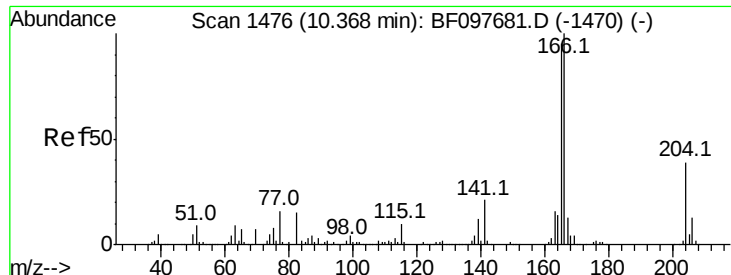


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



Time-->





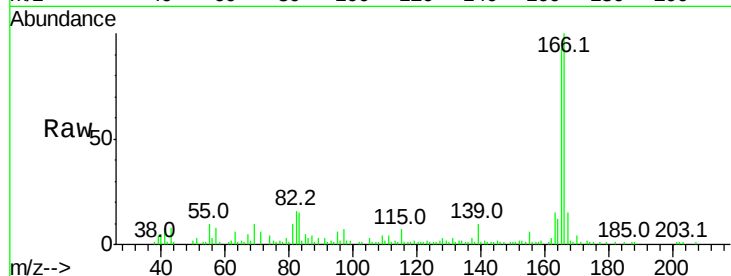
#57
Fluorene
 Concen: 4.863 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF097931.D
 Acq: 22 Aug 2017 3:17

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081817-B

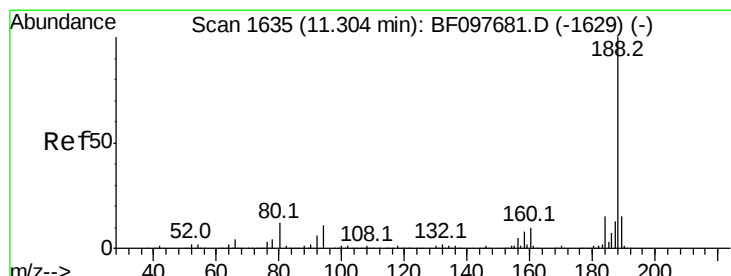
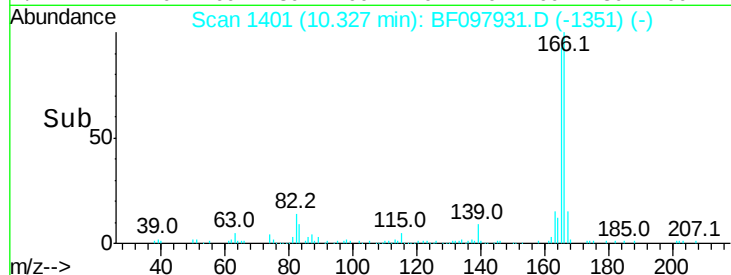
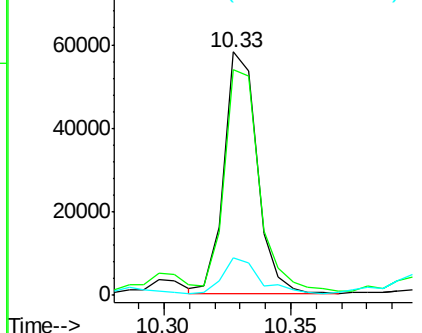
Tot Ion	Ratio	Resp	Lower	Upper
166	100	52653		
165	92.8		78.8	118.2
167	15.4		10.6	16.0

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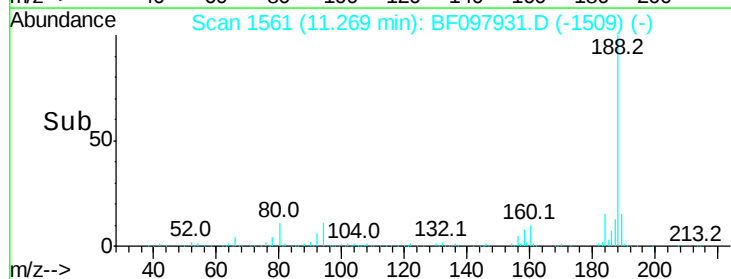
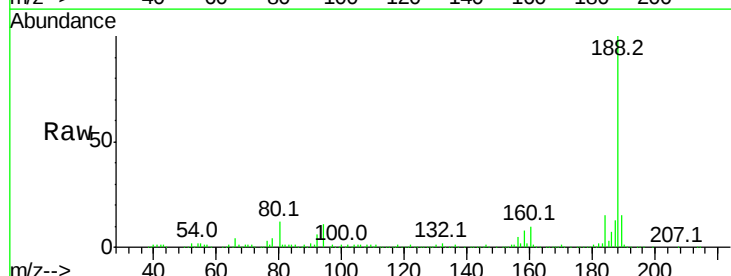
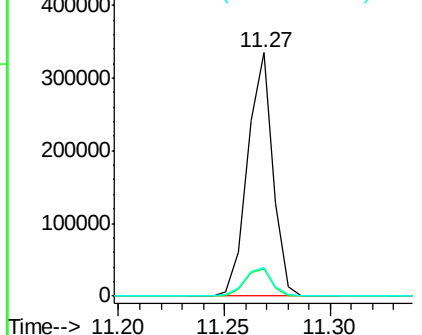
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

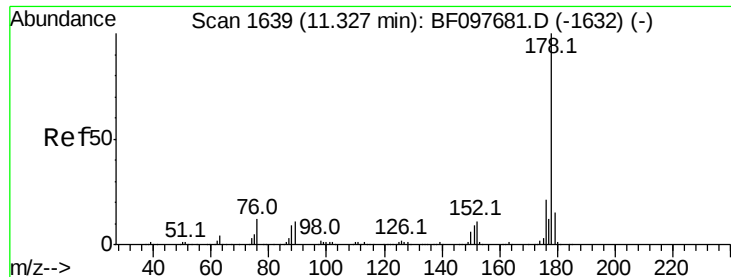


#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: BF097931.D
 Acq: 22 Aug 2017 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	277408		
94	11.4		9.4	14.2
80	11.5		10.2	15.2

Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





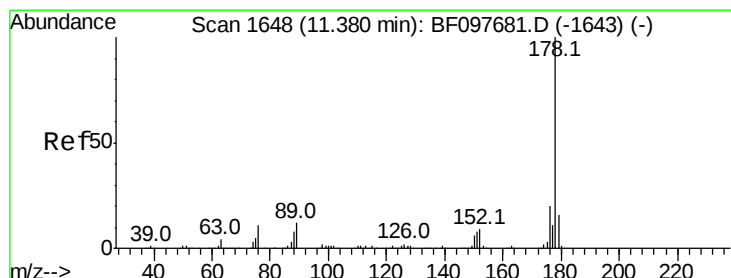
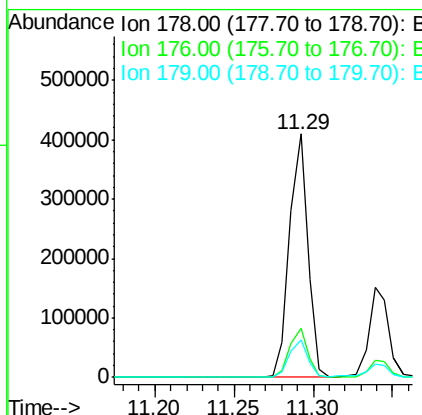
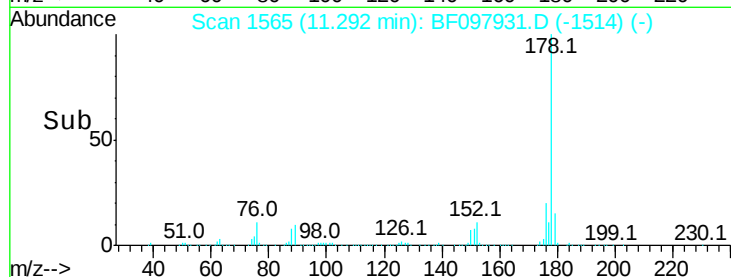
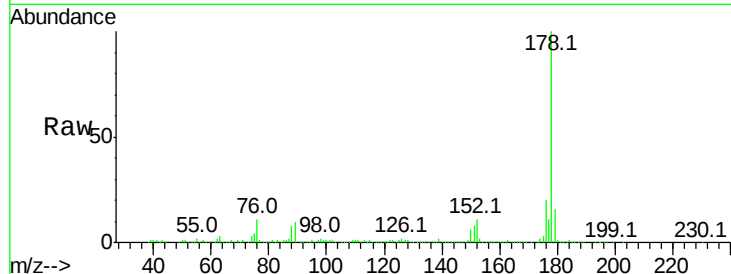
#70
Phenanthrene
Concen: 22.455 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BF097931.D
Acq: 22 Aug 2017 3:17

Instrument :
BNA_F
ClientSampleId :
NB-08-081817-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	15.6	12.6	19.0

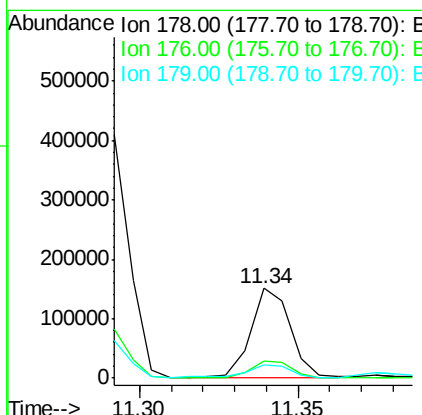
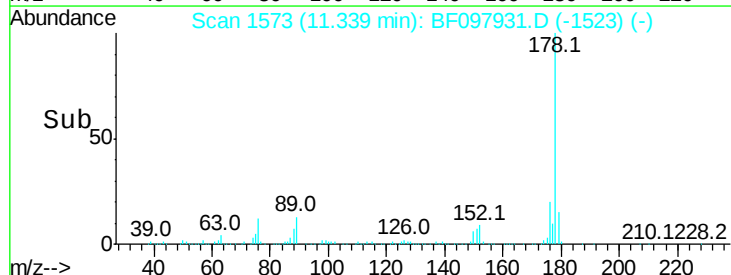
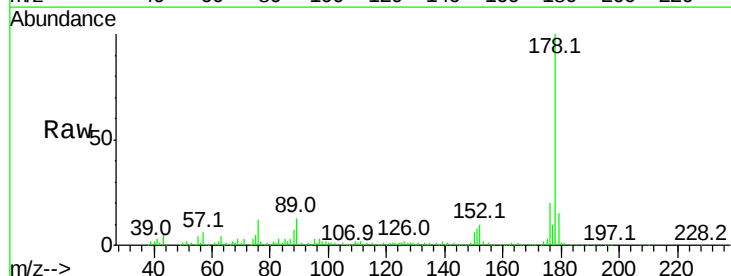
Manual Integrations
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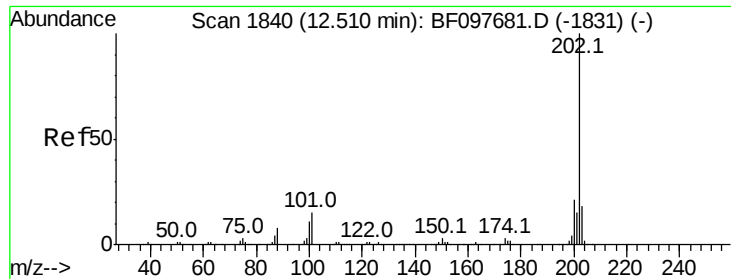
Sohil
8/22/2017 5:45:28 PM



#71
Anthracene
Concen: 8.538 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF097931.D
Acq: 22 Aug 2017 3:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	14.8	12.7	19.1





#74

Fluoranthene

Concen: 42.317 ng

RT: 12.48 min Scan# 1767

Delta R.T. 0.01 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Instrument :

BNA_F

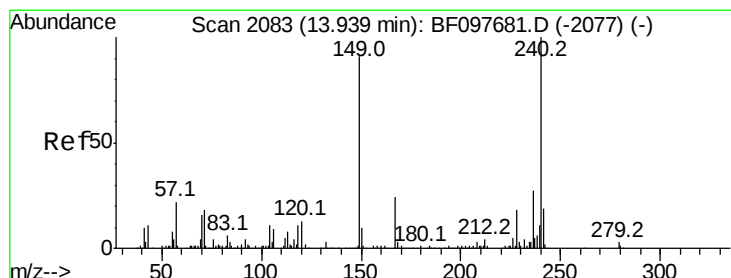
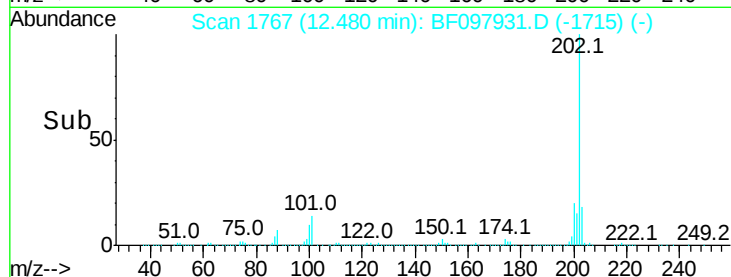
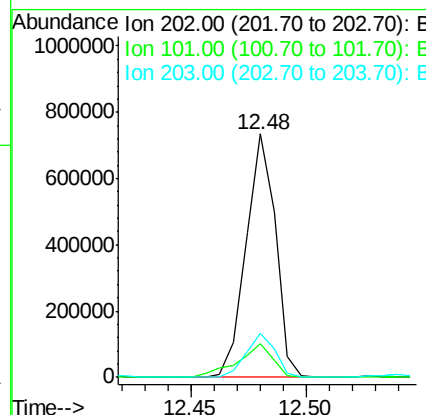
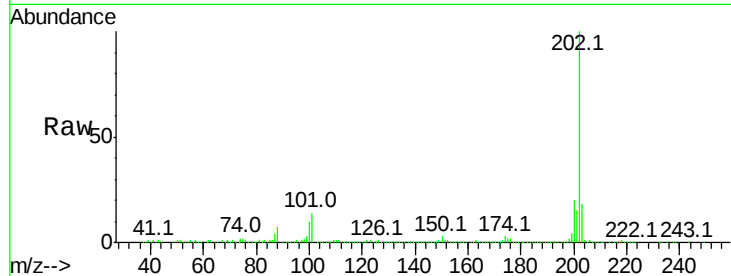
ClientSampleId :

NB-08-081817-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.7	0.0	33.2
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

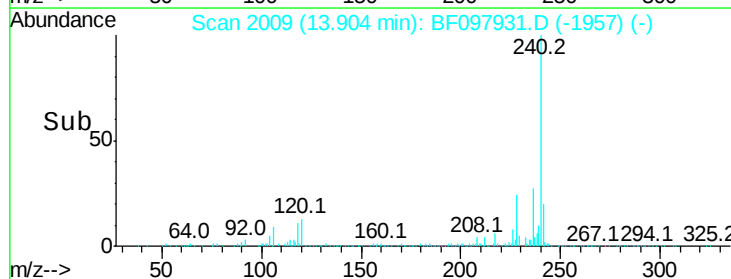
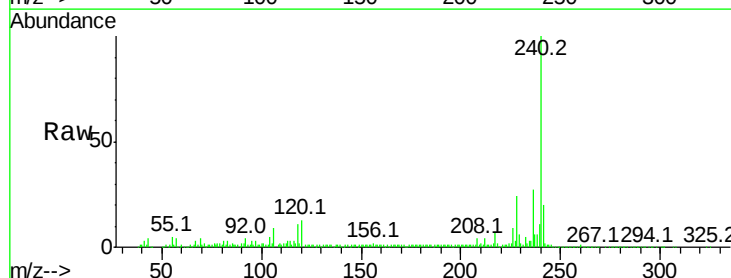
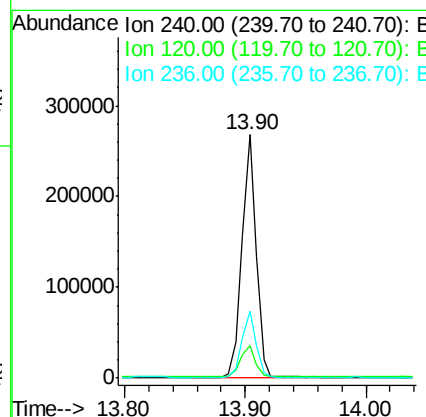
RT: 13.90 min Scan# 2009

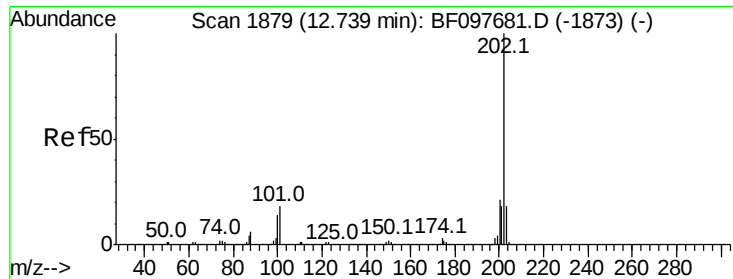
Delta R.T. 0.01 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.1	5.8	8.8#
236	27.3	20.5	30.7





#77

Pvrene

Concen: 35.166 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

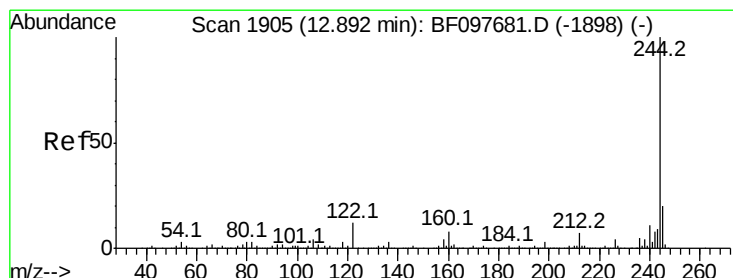
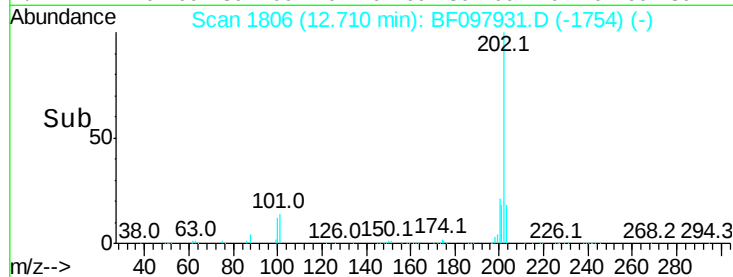
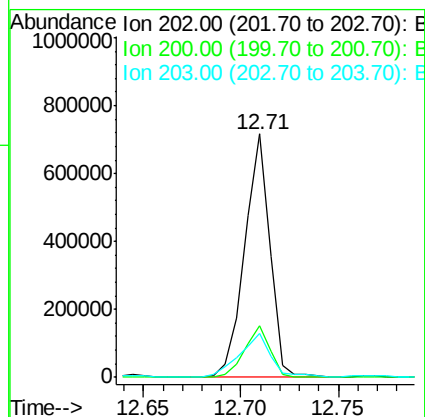
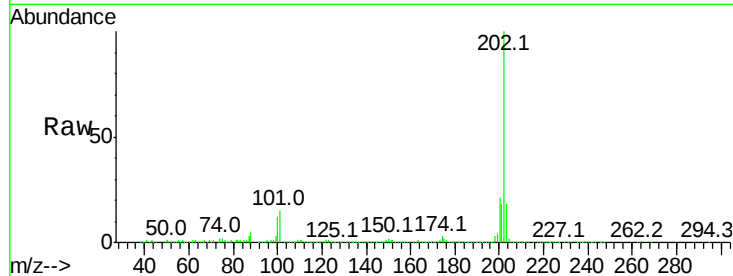
Instrument :
BNA_F

ClientSampleId :
NB-08-081817-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.2	14.4	21.6

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#78

Terphenyl-d14

Concen: 31.456 ng

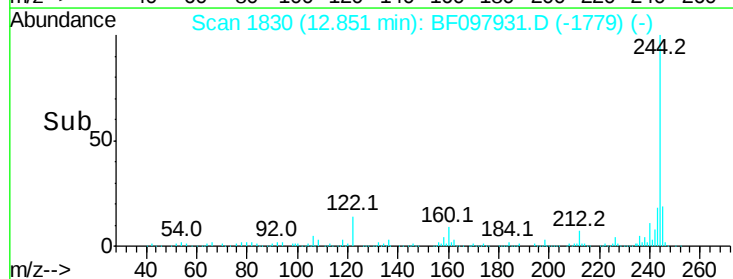
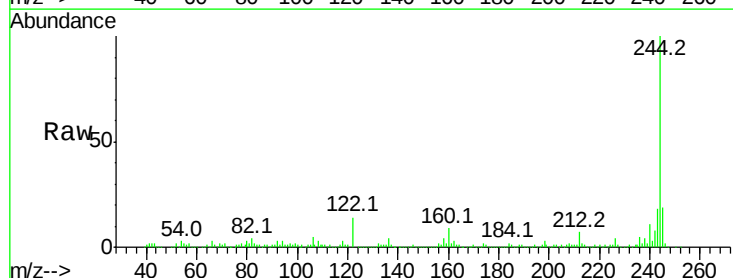
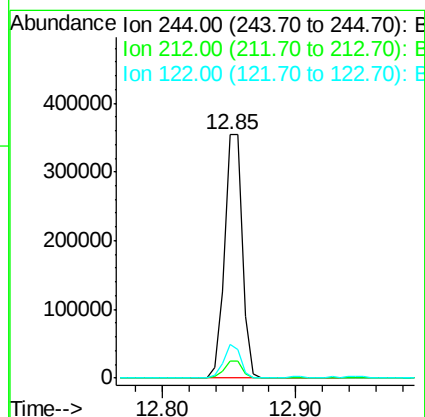
RT: 12.85 min Scan# 1830

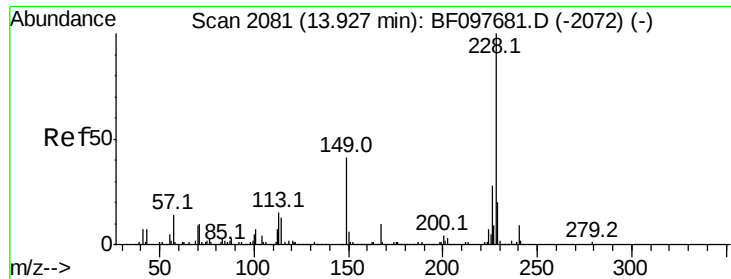
Delta R.T. -0.00 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.0	10.3	15.5





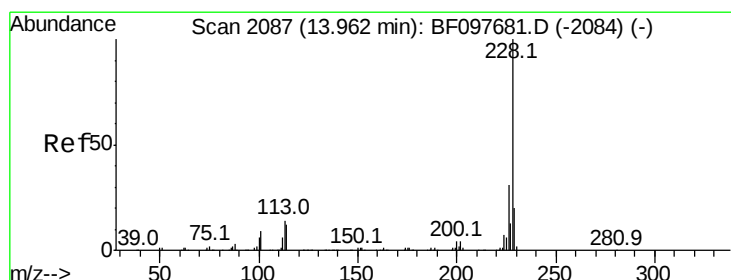
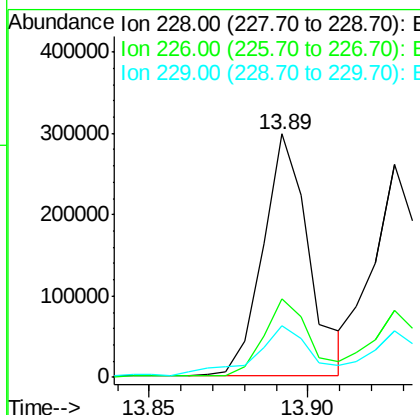
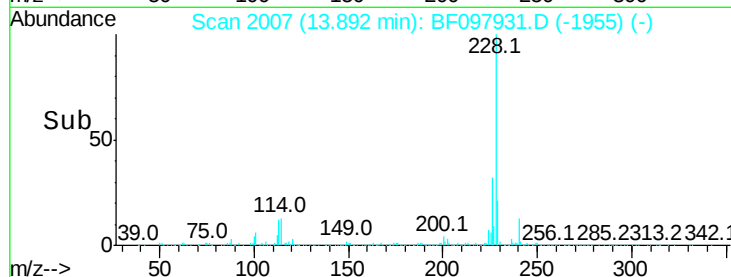
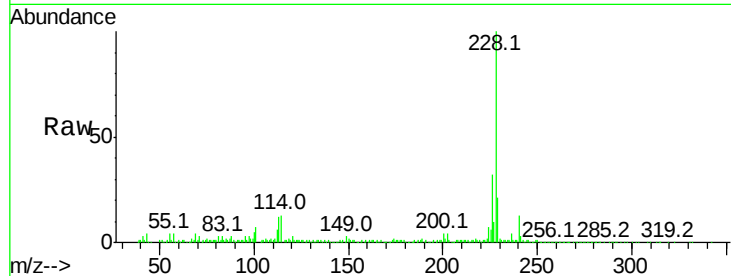
#80
Benzo(a)anthracene
Concen: 22.506 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF097931.D
Acq: 22 Aug 2017 3:17

Instrument :
BNA_F
ClientSampleId :
NB-08-081817-B

Tot Ion	Ratio	Resp	Lower	Upper
228	100	300350		
226	32.3		22.6	33.8
229	21.1		16.3	24.5

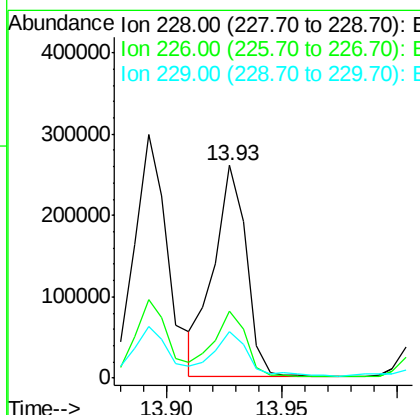
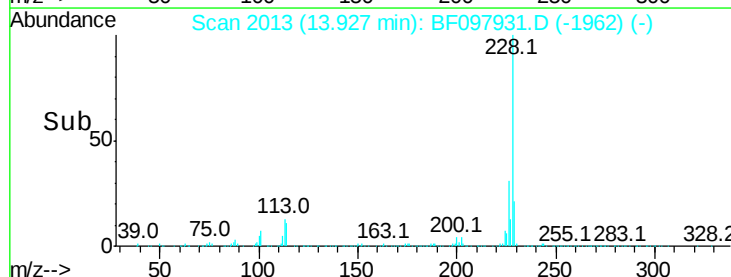
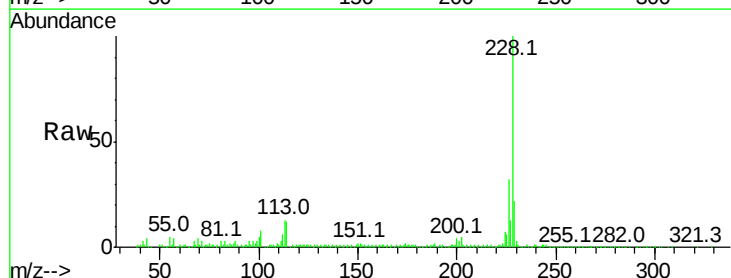
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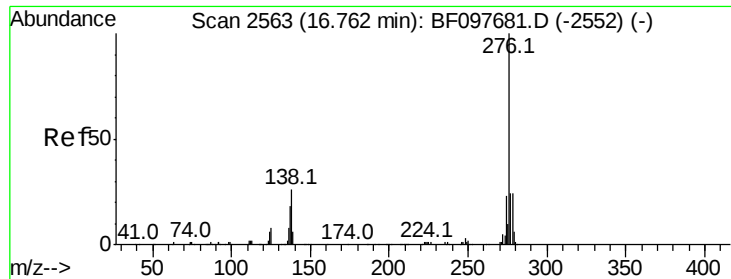
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#82
Chrysene
Concen: 19.192 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BF097931.D
Acq: 22 Aug 2017 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	254781		
226	31.5		24.9	37.3
229	22.0		15.8	23.6





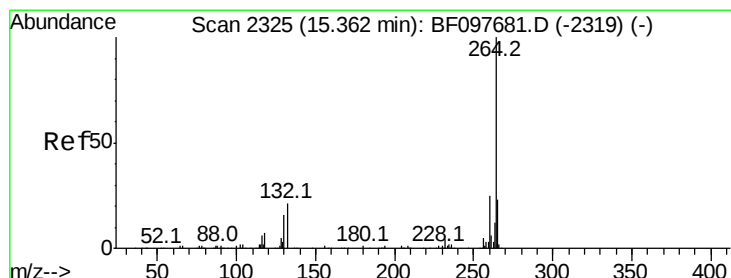
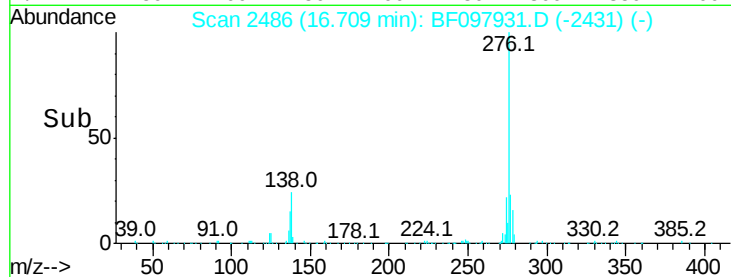
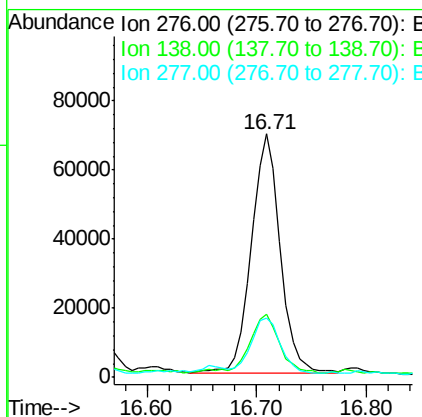
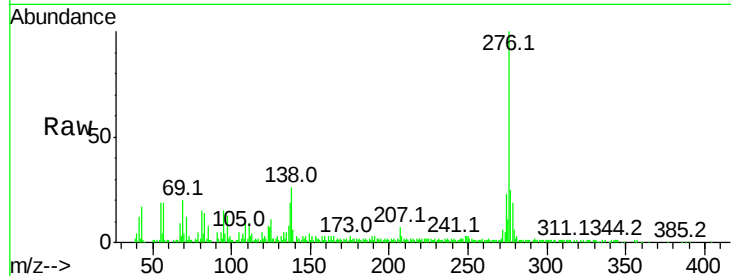
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.993 ng
RT: 16.71 min Scan# 2486
Delta R.T. 0.02 min
Lab File: BF097931.D
Acq: 22 Aug 2017 3:17

Instrument :
BNA_F
ClientSampleId :
NB-08-081817-B

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	1.3	27.8	41.6#
277	0.8	20.2	30.4#

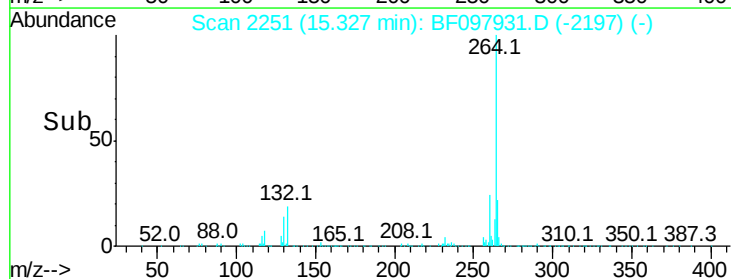
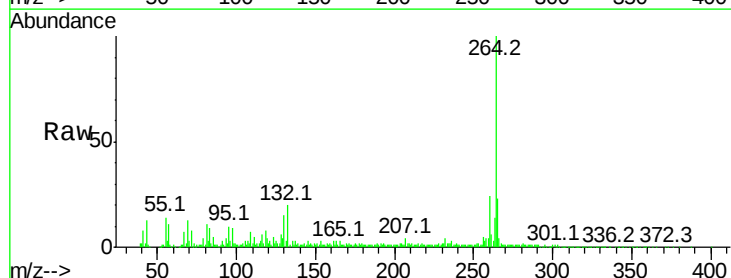
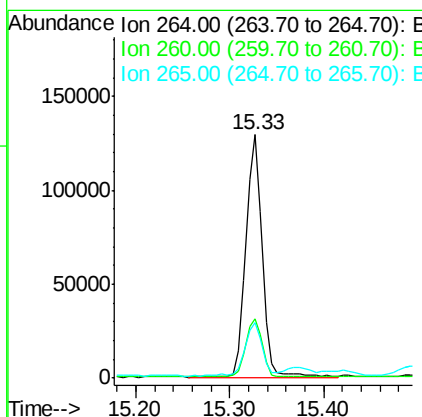
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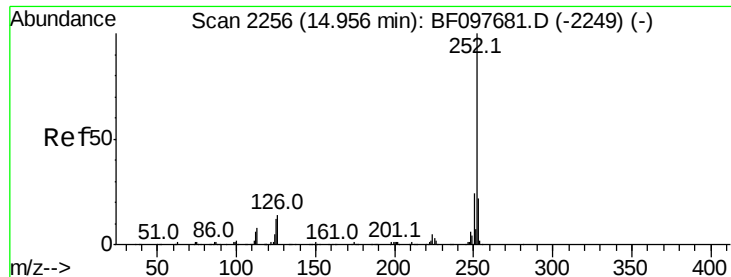
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.02 min
Lab File: BF097931.D
Acq: 22 Aug 2017 3:17

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 31.838 ng m

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Instrument :

BNA_F

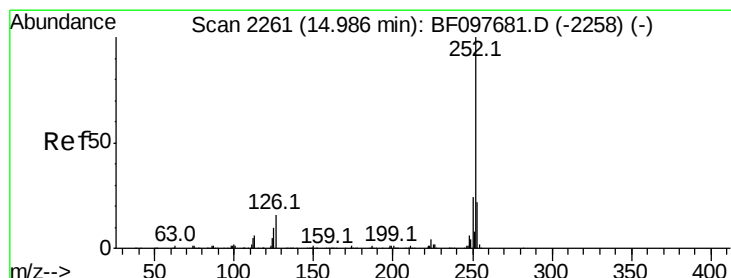
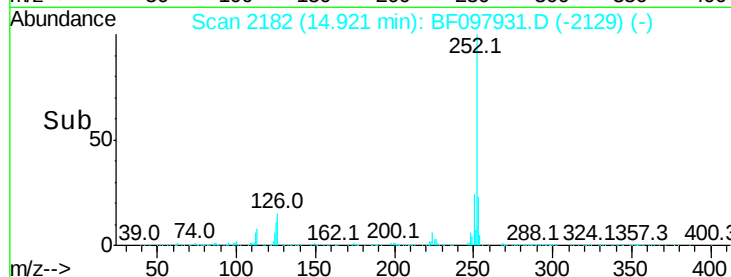
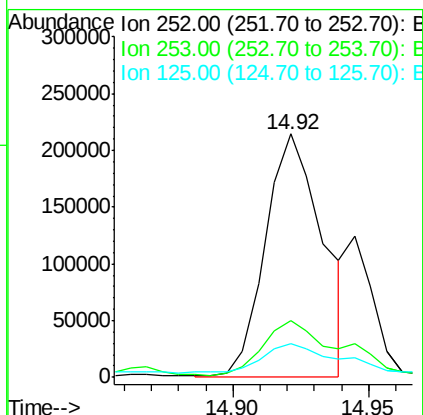
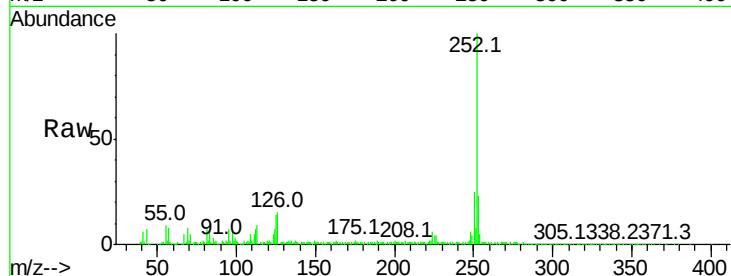
ClientSampleId :

NB-08-081817-B

Tot Ion:	252	Resp:	314367
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	13.6	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 9.164 ng m

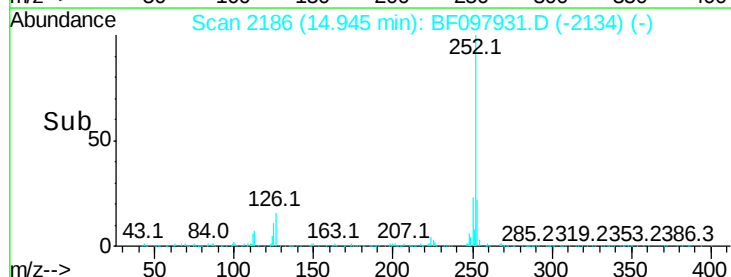
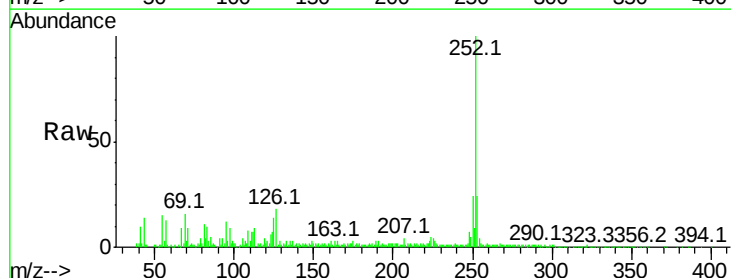
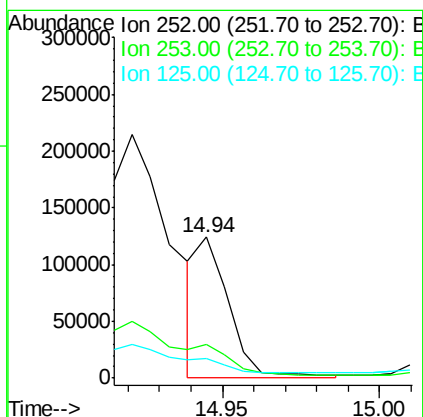
RT: 14.94 min Scan# 2186

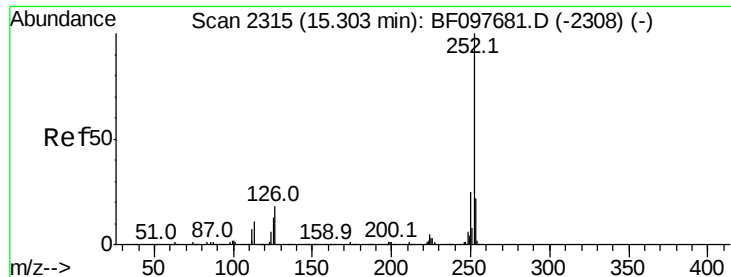
Delta R.T. 0.01 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Tgt Ion:	252	Resp:	85008
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.4	27.6
125	14.1	13.1	19.7





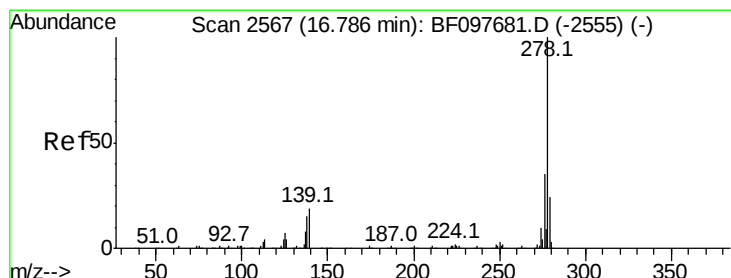
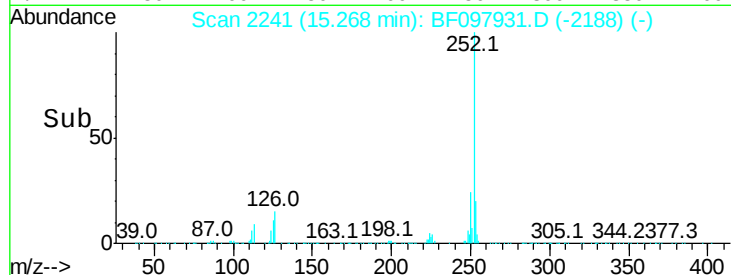
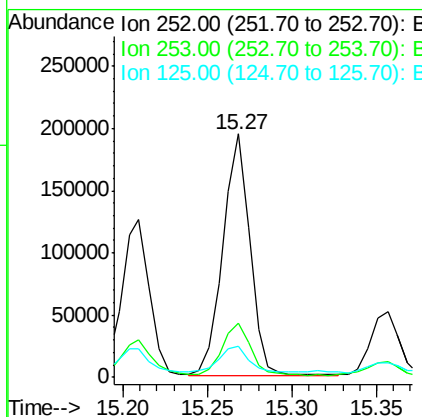
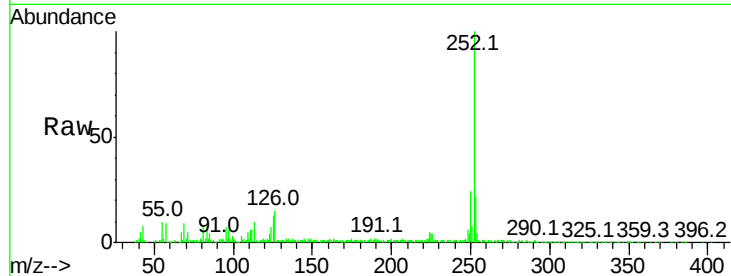
#89
Benzo(a)pyrene
Concen: 24.779 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.01 min
Lab File: BF097931.D
Acq: 22 Aug 2017 3:17

Instrument :
BNA_F
ClientSampleId :
NB-08-081817-B

Tot Ion	Ratio	Resp	Lower	Upper
252	100	216600		
253	22.3		17.5	26.3
125	12.9		11.0	16.4

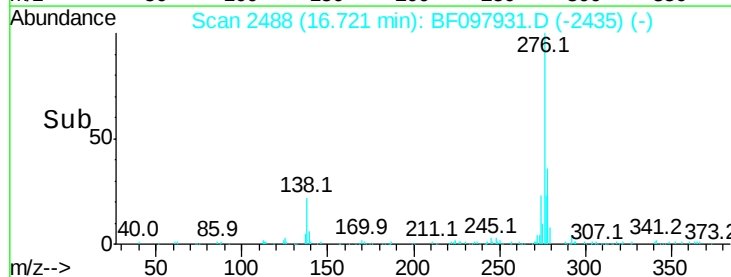
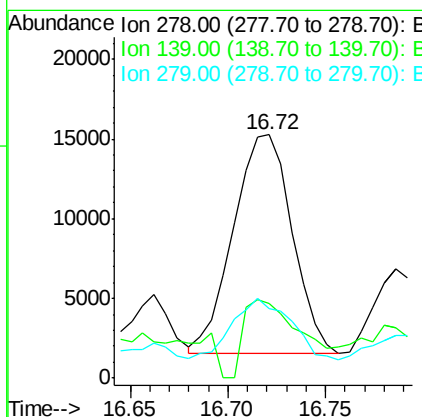
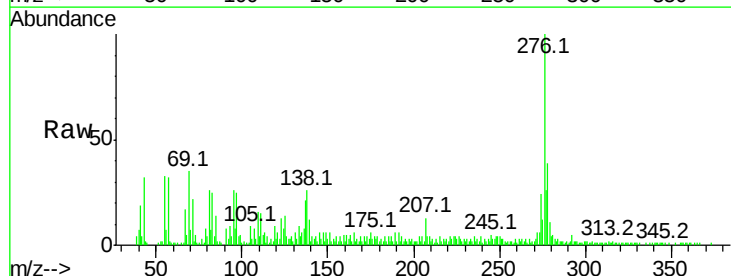
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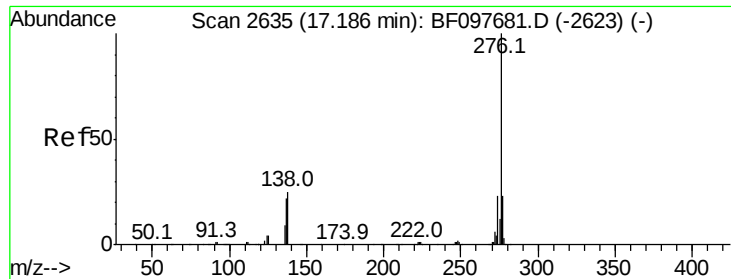
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.027 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF097931.D
Acq: 22 Aug 2017 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	28660		
139	36.7		16.6	24.8#
279	28.6		19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 16.732 ng

RT: 17.13 min Scan# 2557

Delta R.T. 0.02 min

Lab File: BF097931.D

Acq: 22 Aug 2017 3:17

Instrument :

BNA_F

ClientSampleId :

NB-08-081817-B

Tot Ion:	276	Resp:	124244
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	28.0
138	26.3	25.4	38.0

Manual Integrations
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