

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111651.D
 Acq On : 20 Dec 2018 21:00
 Operator : JU/SJ
 Sample : J6346-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-5

Manual Integrations
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 12/21/2018 2:46:52 PM

Quant Time: Dec 21 06:58:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	203374	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	744973	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	337125	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	508964	20.00	ng	0.00
76) Chrysene-d12	14.05	240	446898	20.00	ng	0.00
87) Perylene-d12	15.53	264	377561	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1169366	98.01	ng	0.00
7) Phenol-d6	6.52	99	1522611	100.27	ng	0.00
23) Nitrobenzene-d5	7.45	82	943712	73.74	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	327038	82.10	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1640377	70.92	ng	0.00
79) Terphenyl-d14	13.00	244	1195392	50.73	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.53	94	111222	6.492	ng	97
50) Dimethylphthalate	9.64	163	183936	7.461	ng	98
52) Acenaphthene	9.96	154	90279	4.446	ng	98
58) Fluorene	10.47	166	69348	3.137	ng	100
71) Phenanthrene	11.44	178	427098	15.823	ng	94
72) Anthracene	11.49	178	131113	4.839	ng	95
73) Carbazole	11.64	167	94311	3.585	ng	95
75) Fluoranthene	12.63	202	870661	31.853	ng	95
78) Pyrene	12.86	202	659089	20.884	ng	95
81) Benzo(a)anthracene	14.04	228	261214	10.242	ng	98
83) Chrysene	14.07	228	371627	14.825	ng	98
84) Bis(2-ethylhexyl)phthalate	14.03	149	246998	15.243	ng	# 98
86) Indeno(1,2,3-cd)pyrene	17.00	276	138734	6.510	ng	# 84
88) Benzo(b)fluoranthene	15.09	252	455044m	20.622	ng	
89) Benzo(k)fluoranthene	15.12	252	97337m	4.633	ng	
90) Benzo(a)pyrene	15.46	252	214807	10.715	ng	98
92) Benzo(a,h,i)perylene	17.45	276	129862m	7.576	ng	

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

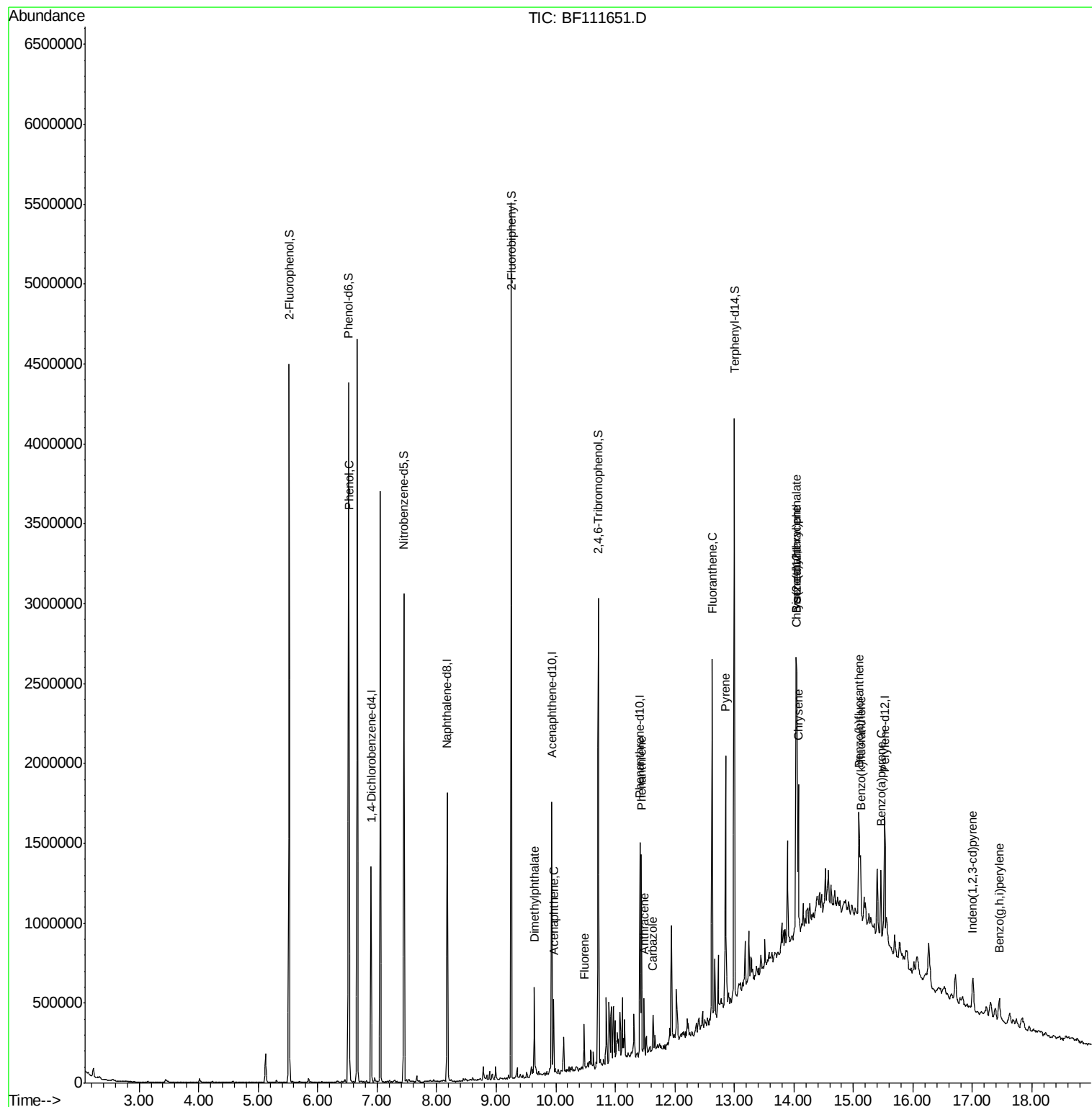
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111651.D
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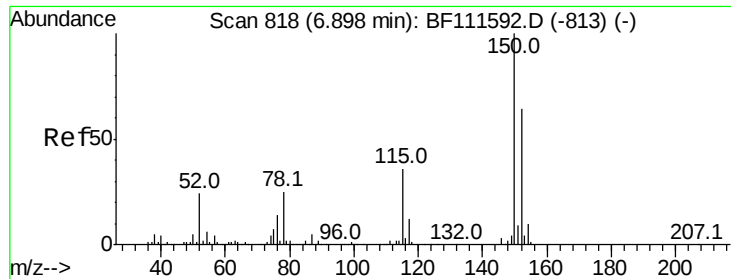
Instrument :
BNA_F
ClientSampled :
DW-5

Quant Time: Dec 21 06:58:26 2018
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#1

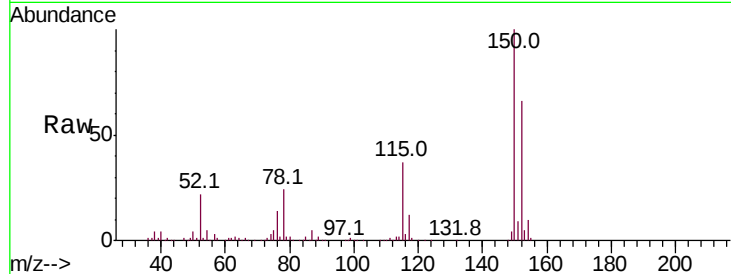
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Instrument :
BNA_F
ClientSampled :
DW-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	126.6	189.8
115	57.2	50.7	76.1

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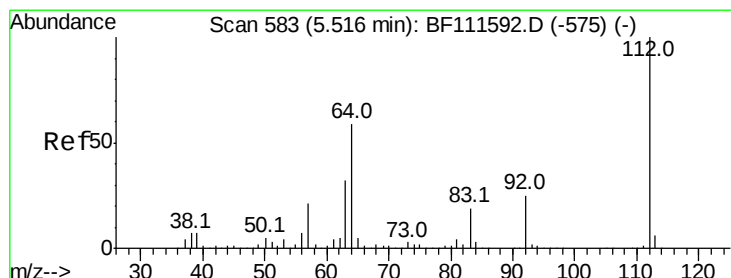
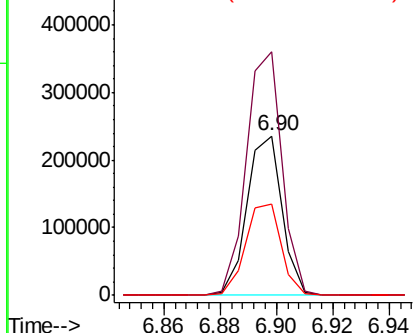
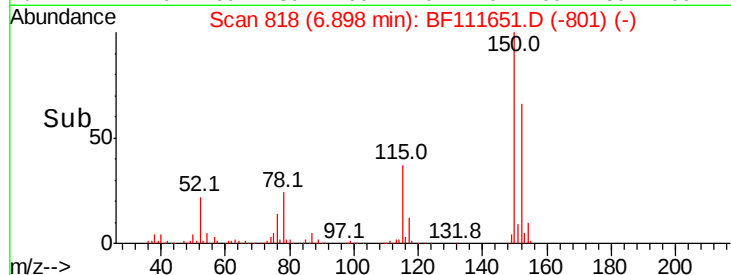


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

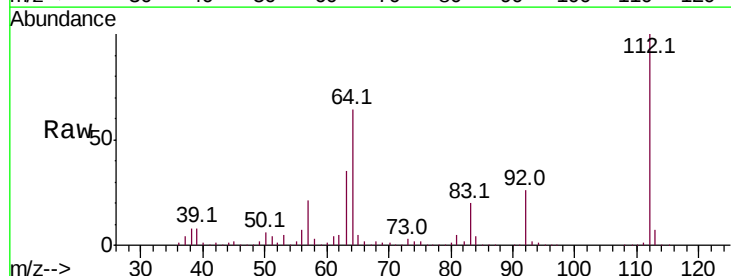
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.008 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	51.8	77.6
63	34.7	26.8	40.2

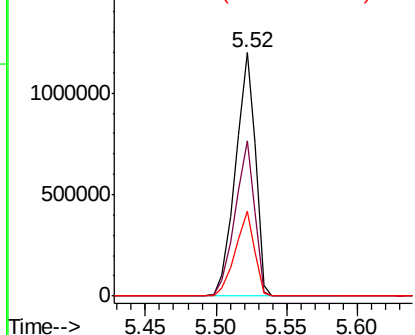
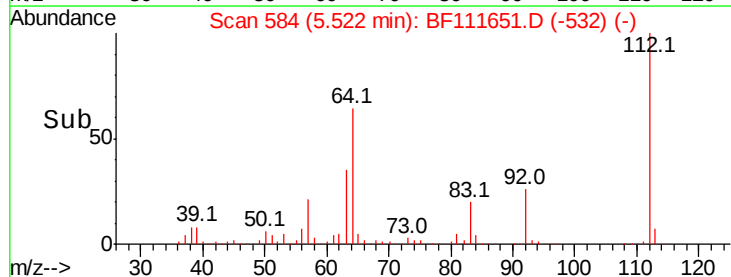


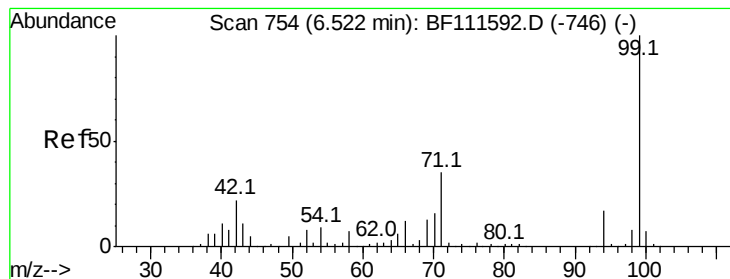
Abundance

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: 100.274 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF111651.D

Acq: 20 Dec 2018 21:00

Instrument :

BNA_F

ClientSampled :

DW-5

Tot Ion: 99 Resp: 1522611

Ion Ratio Lower Upper

99 100

42 22.8 17.4 26.0

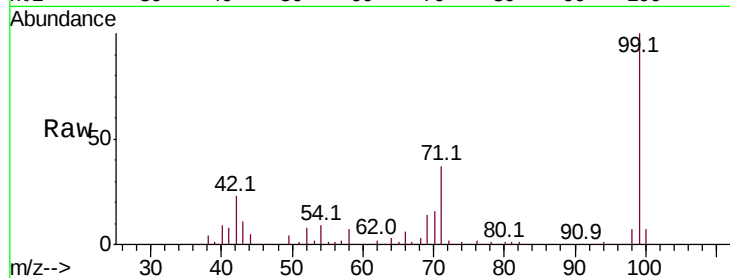
71 36.9 26.1 39.1

Manual Integrations

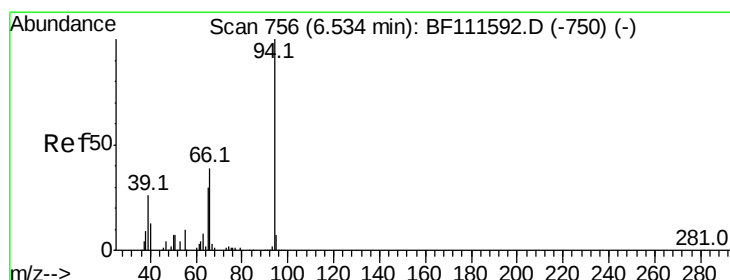
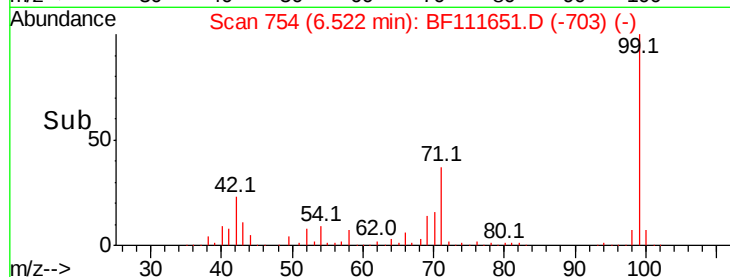
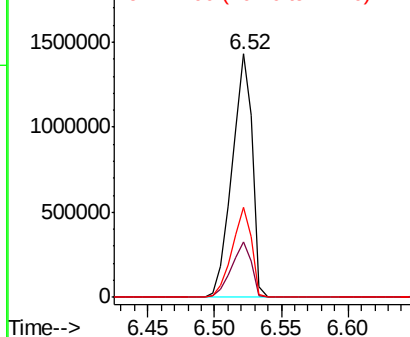
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.492 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111651.D

Acq: 20 Dec 2018 21:00

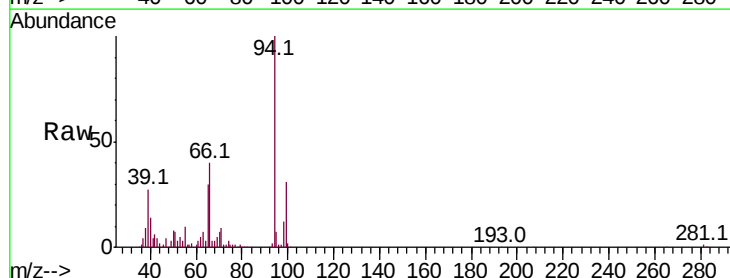
Tgt Ion: 94 Resp: 111222

Ion Ratio Lower Upper

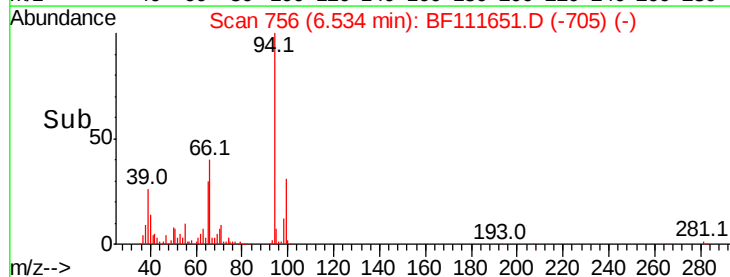
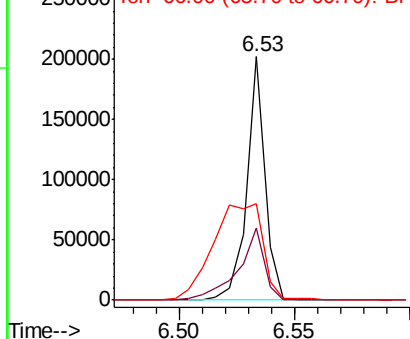
94 100

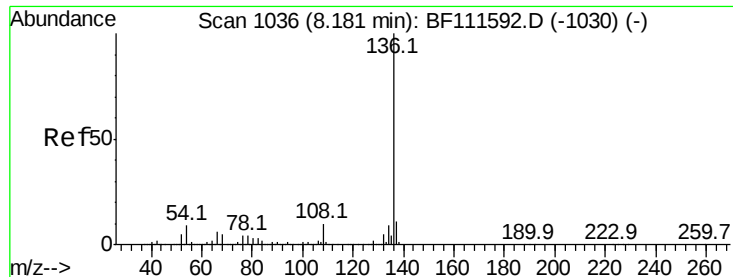
65 29.6 11.7 51.7

66 39.6 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111651.D

Acq: 20 Dec 2018 21:00

Instrument :

BNA_F

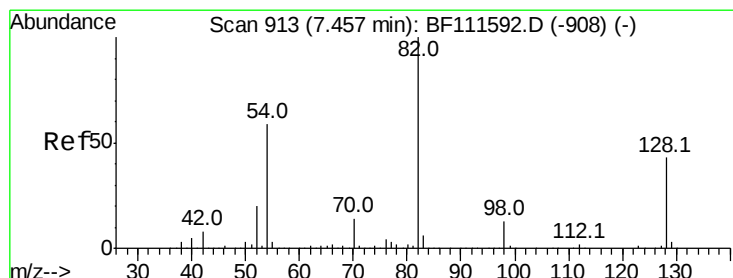
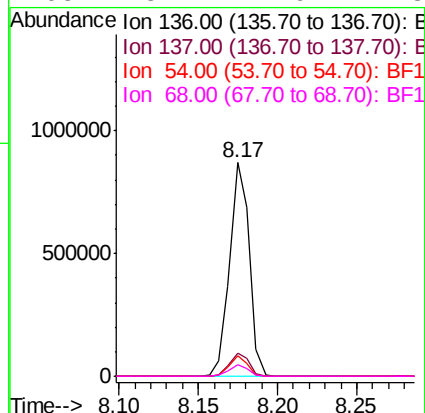
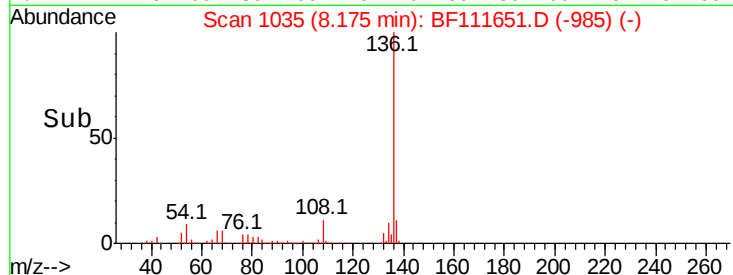
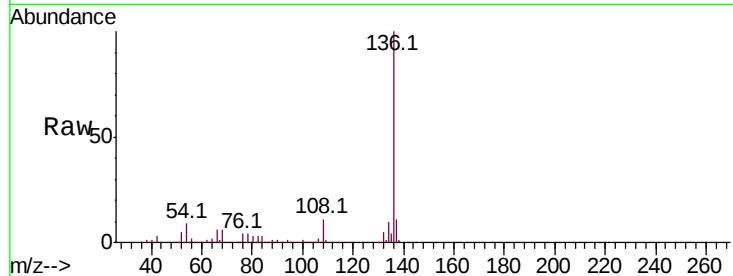
ClientSampleID :

DW-5

Tot Ion	Ratio	Resp	Lower	Upper
136	100	744973		
137	11.0	9.1	13.7	
54	9.4	7.7	11.5	
68	5.7	4.9	7.3	

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#23

Nitrobenzene-d5

Concen: 73.736 ng

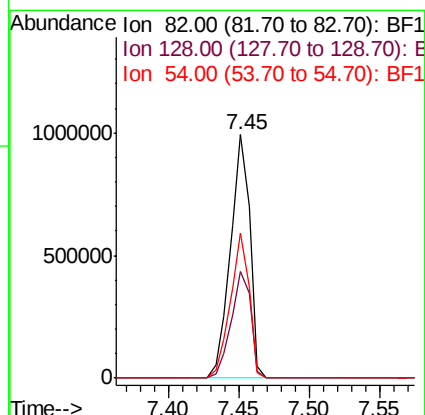
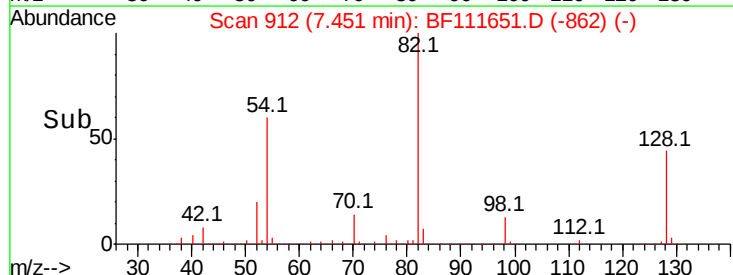
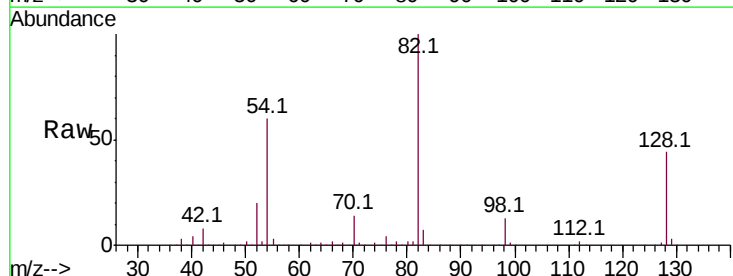
RT: 7.45 min Scan# 912

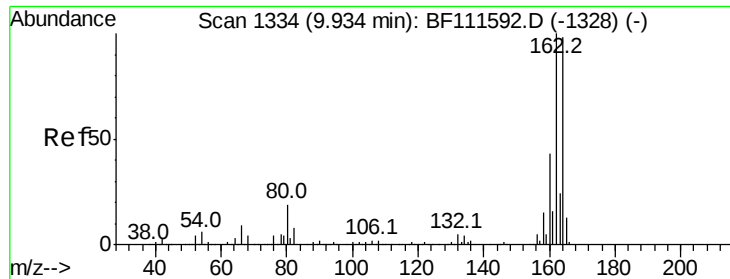
Delta R.T. -0.01 min

Lab File: BF111651.D

Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	943712		
128	44.0	37.4	56.2	
54	59.7	47.6	71.4	





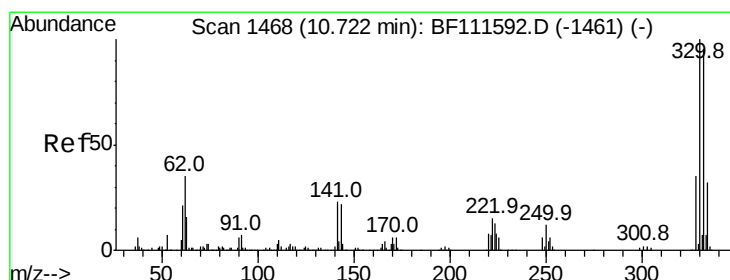
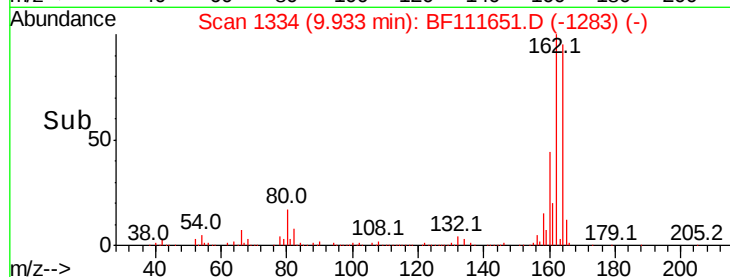
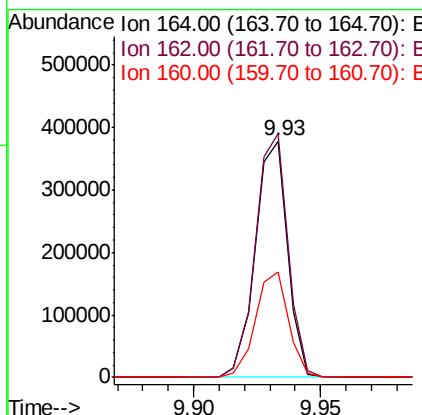
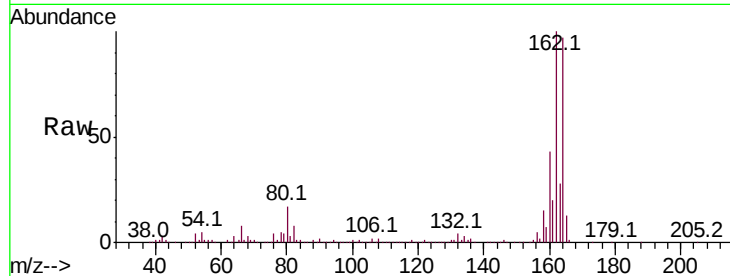
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF111651.D
 Acq: 20 Dec 2018 21:00

Instrument :
 BNA_F
 ClientSampleID :
 DW-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.9	81.4	122.0	
160	44.8	35.7	53.5	

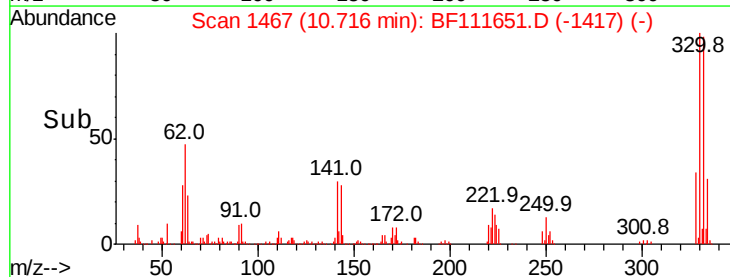
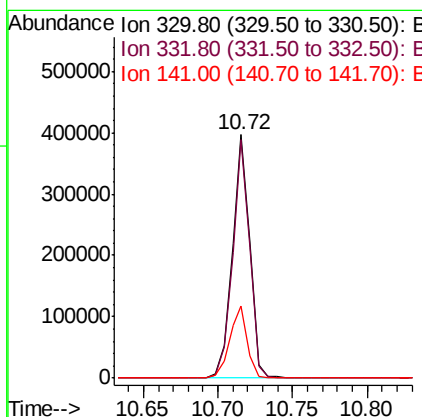
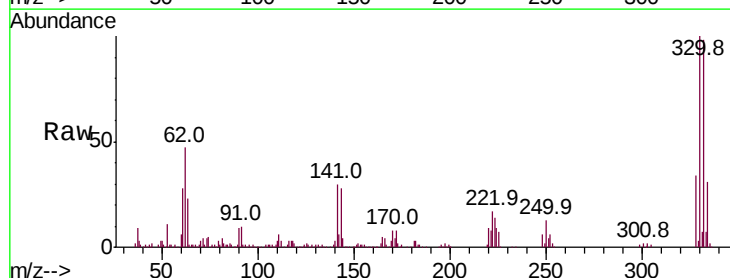
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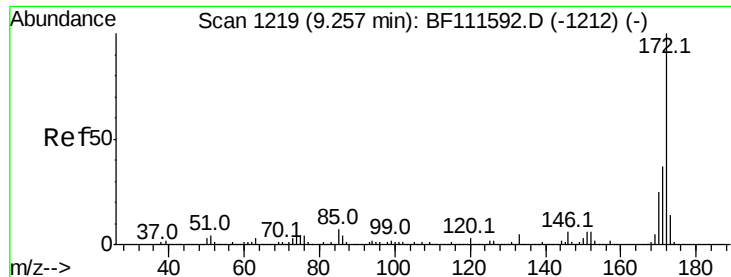
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#42
 2,4,6-Tribromophenol
 Concen: 82.100 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111651.D
 Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	76.0	114.0	
141	29.6	31.0	46.6#	





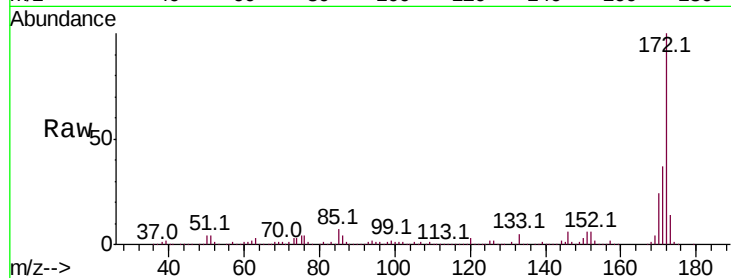
#45
2-Fluorobiphenyl
Concen: 70.922 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Instrument :
BNA_F
ClientSampled :
DW-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	33.0	49.4
170	23.7	22.3	33.5

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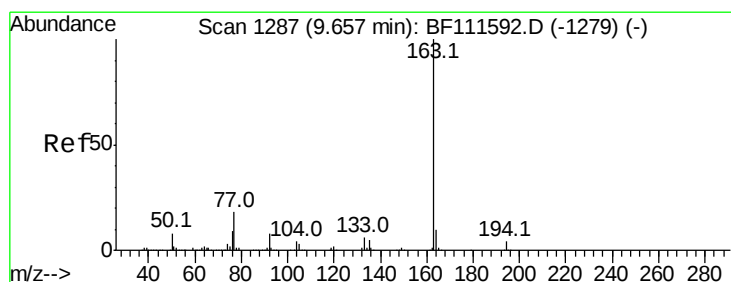
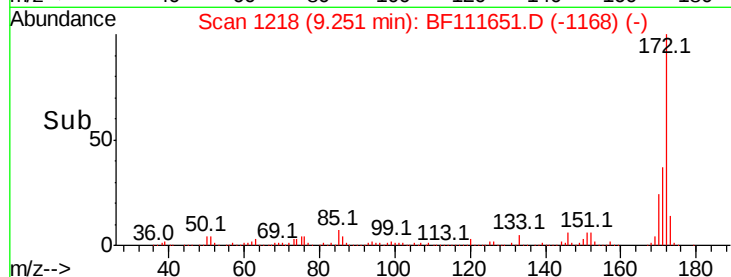
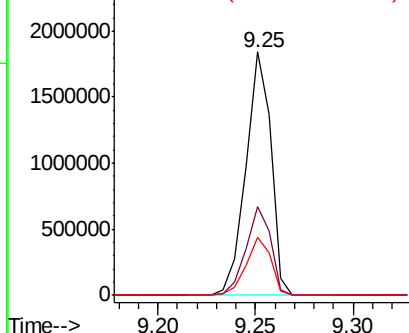


Abundance

Ion 172.00 (171.70 to 172.70): E

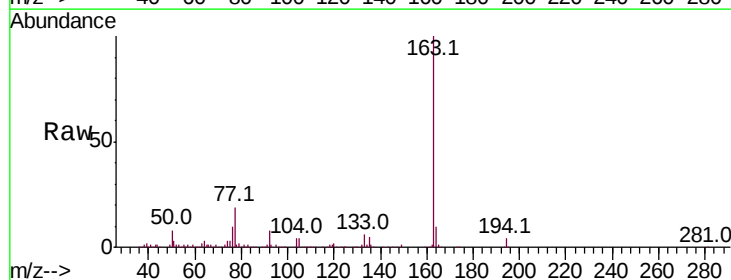
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.461 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.6
164	10.1	8.9	13.3

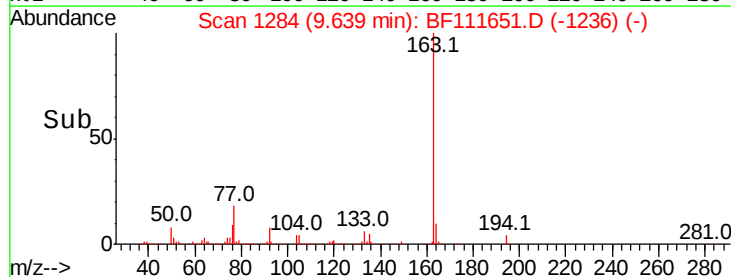
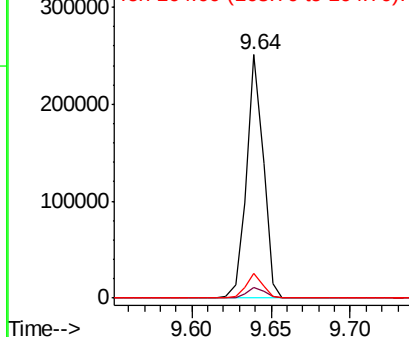


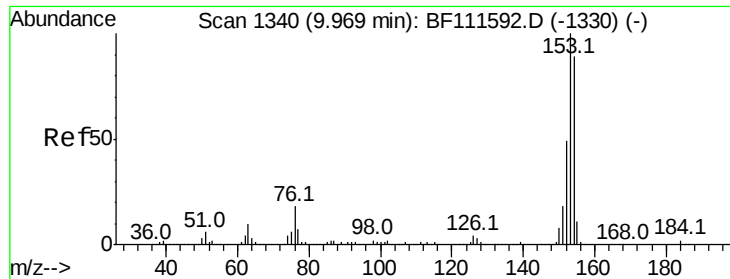
Abundance

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





#52

Acenaphthene

Concen: 4.446 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF111651.D

Acq: 20 Dec 2018 21:00

Instrument :

BNA_F

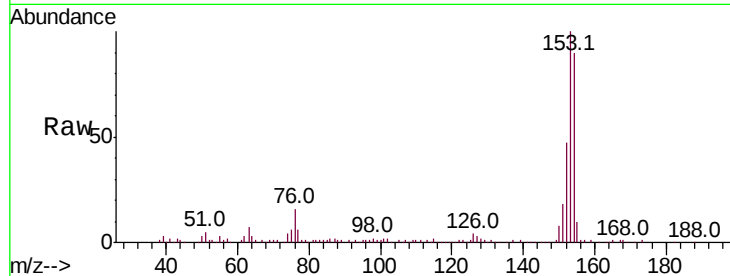
ClientSampleId :

DW-5

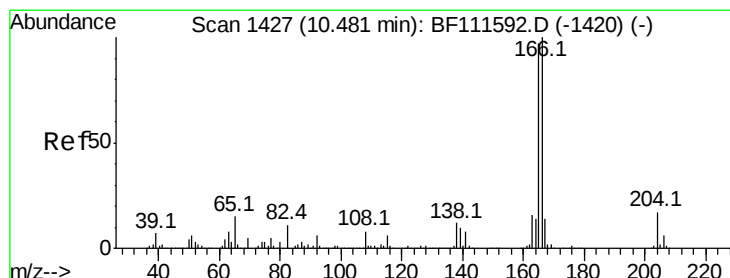
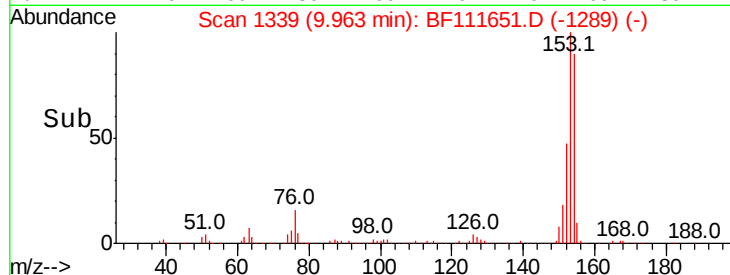
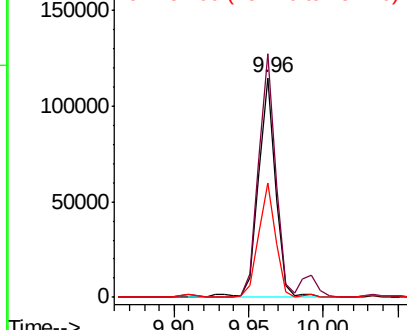
Tot Ion:	154	Resp:	90279
Ion Ratio	Lower	Upper	
154	100		
153	111.0	87.8	131.8
152	52.3	43.4	65.2

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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



#58

Fluorene

Concen: 3.137 ng

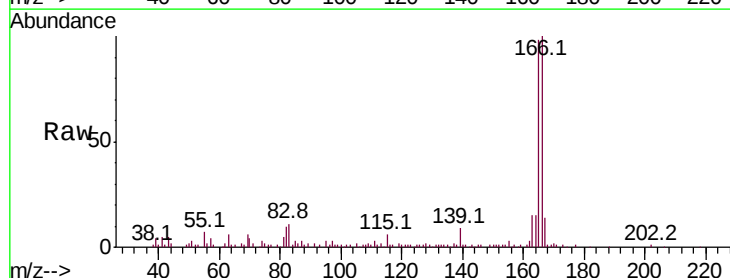
RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

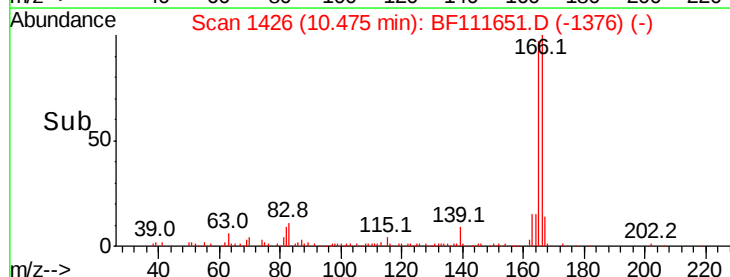
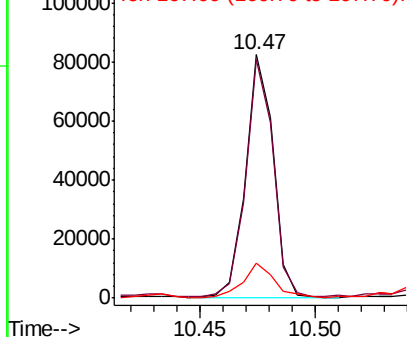
Lab File: BF111651.D

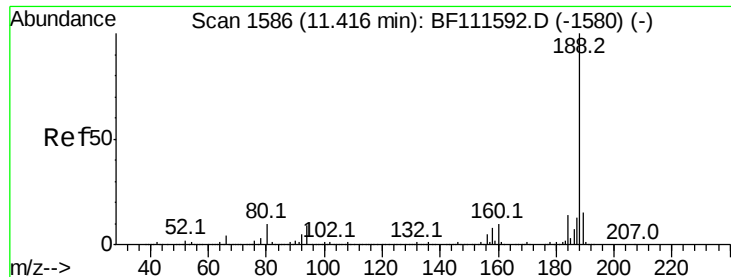
Acq: 20 Dec 2018 21:00

Tgt Ion:	166	Resp:	69348
Ion Ratio	Lower	Upper	
166	100		
165	97.9	78.4	117.6
167	14.2	11.2	16.8



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





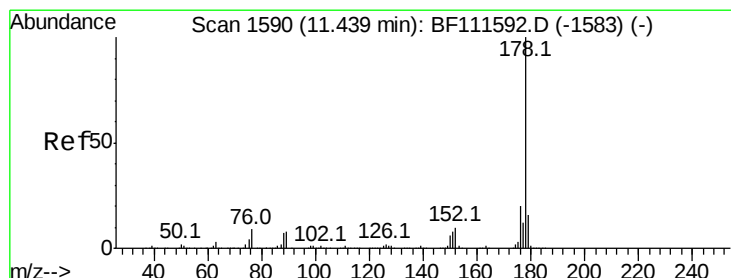
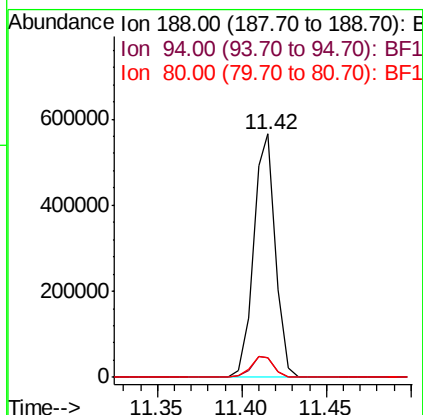
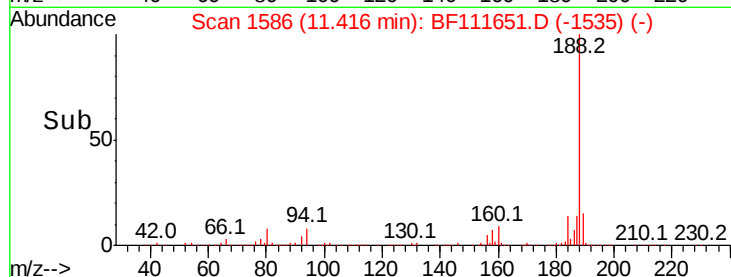
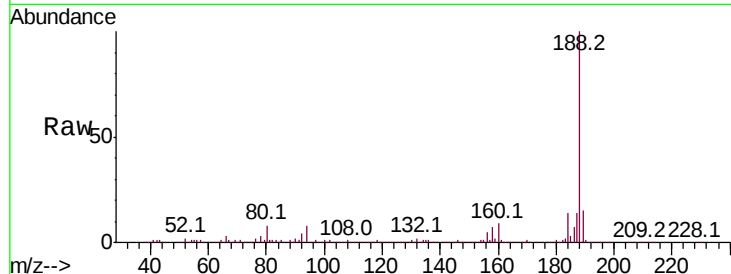
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Instrument :
BNA_F
ClientSampled :
DW-5

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.9	9.6	14.4#
80	8.0	9.8	14.6#

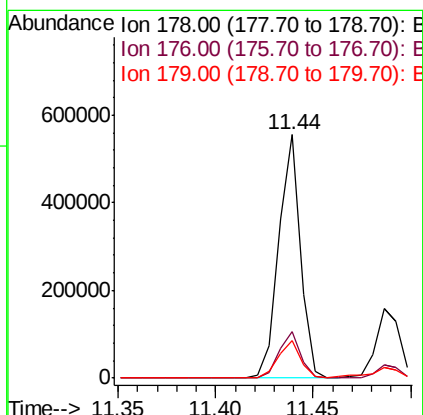
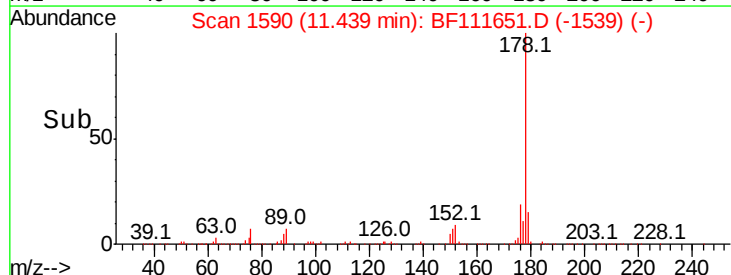
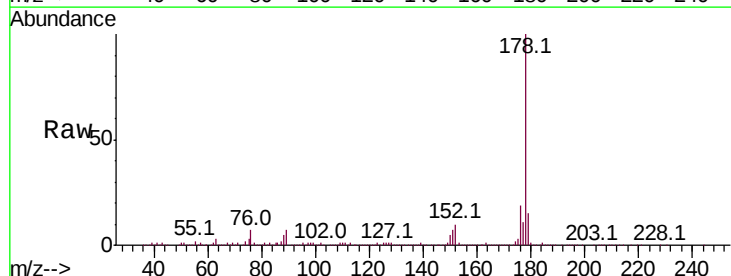
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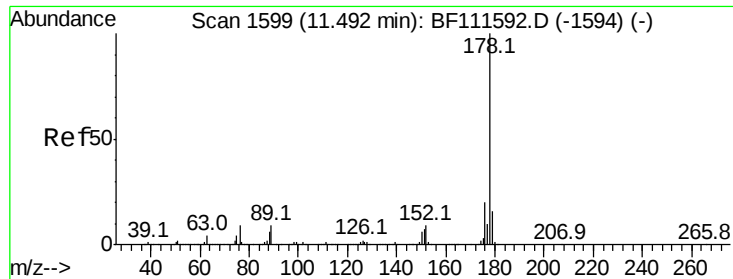
Sohil
12/21/2018 2:46:52 PM



#71
Phenanthrene
Concen: 15.823 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	18.1	27.1
179	15.5	14.0	21.0





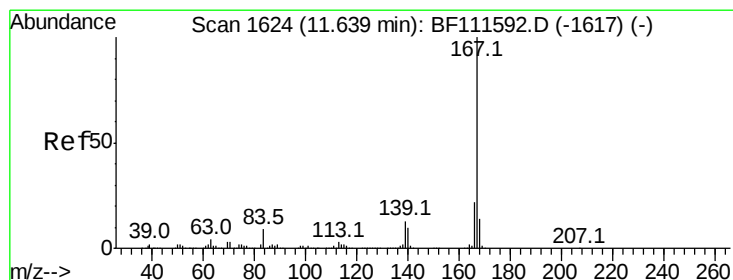
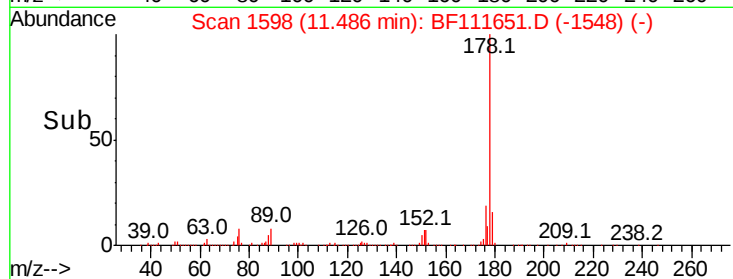
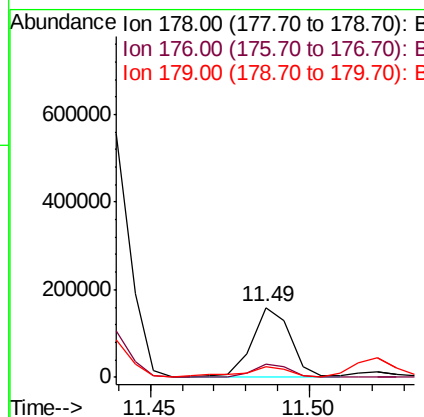
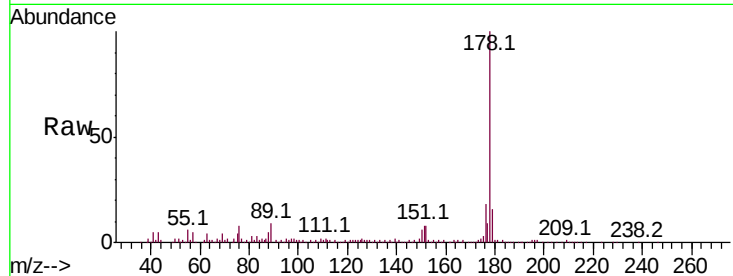
#72
 Anthracene
 Concen: 4.839 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF111651.D
 Acq: 20 Dec 2018 21:00

Instrument :
 BNA_F
 ClientSampleId :
 DW-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	17.2	25.8
179	15.9	13.8	20.8

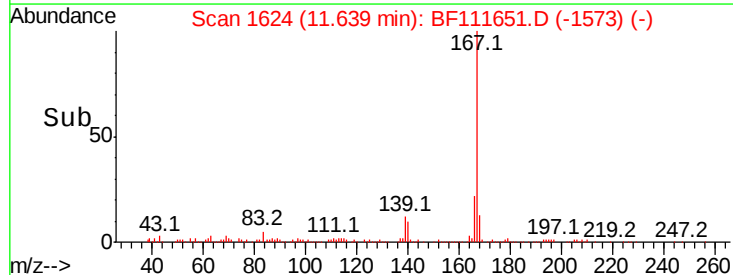
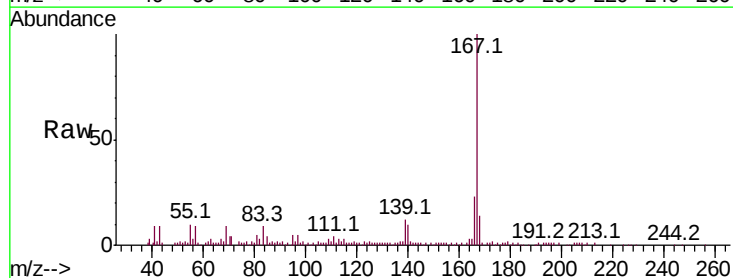
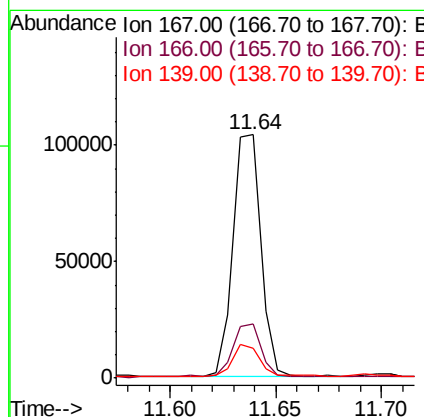
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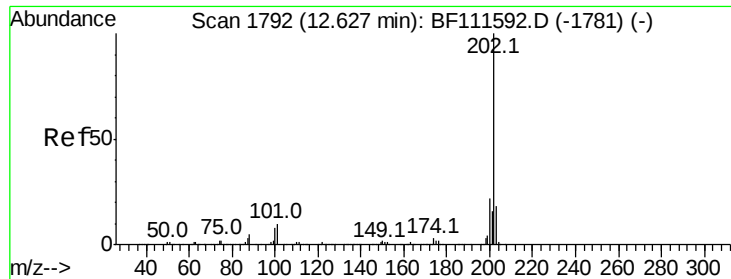
Sohil
 12/21/2018 2:46:52 PM



#73
 Carbazole
 Concen: 3.585 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BF111651.D
 Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	19.3	28.9
139	12.1	11.9	17.9





#75

Fluoranthene

Concen: 31.853 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF111651.D

Acq: 20 Dec 2018 21:00

Instrument :

BNA_F

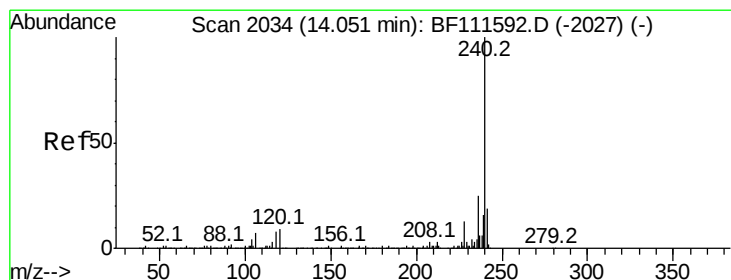
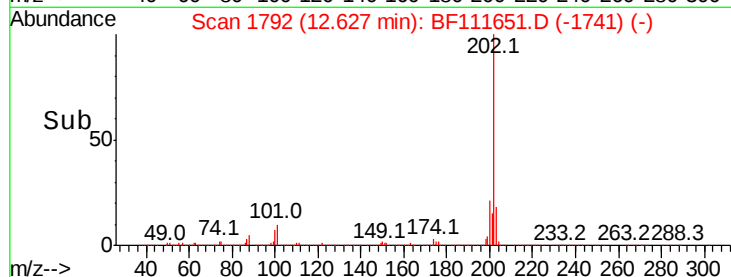
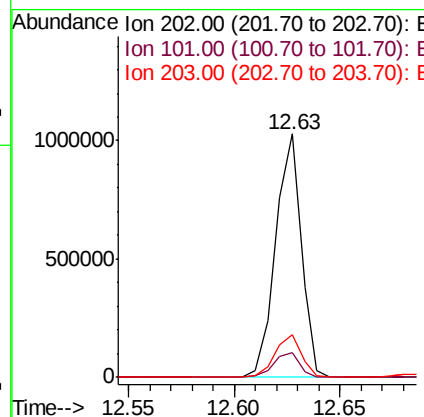
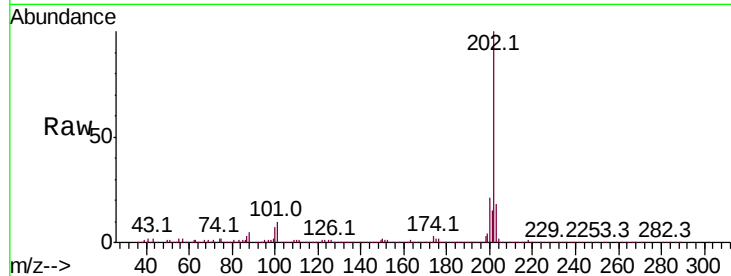
ClientSampleId :

DW-5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	0.0	33.8
203	17.7	0.0	38.6

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#76

Chrysene-d12

Concen: 20.000 ng

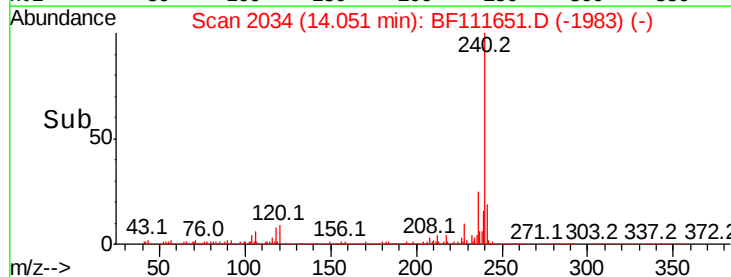
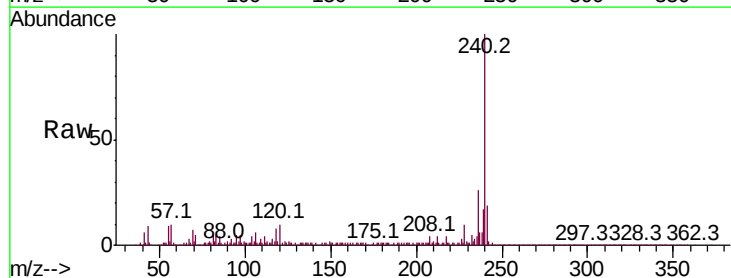
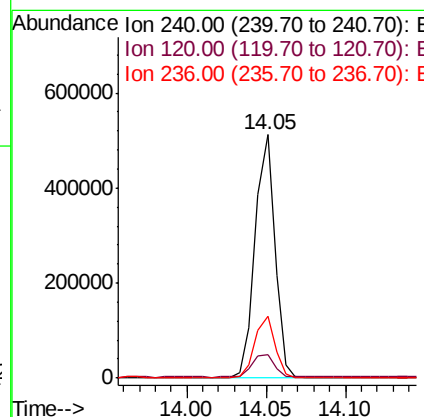
RT: 14.05 min Scan# 2034

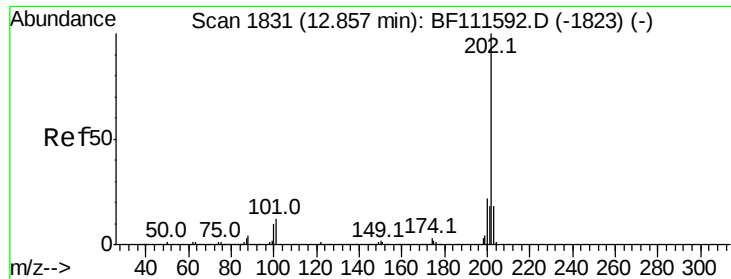
Delta R.T. -0.00 min

Lab File: BF111651.D

Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.5	12.2	18.2#
236	25.6	20.2	30.2





#78

Pvrene

Concen: 20.884 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF111651.D

Acq: 20 Dec 2018 21:00

Instrument :

BNA_F

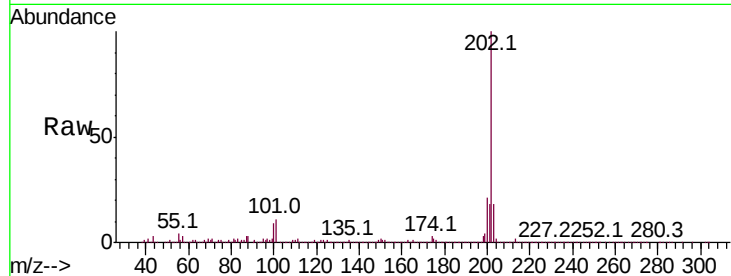
ClientSampled :

DW-5

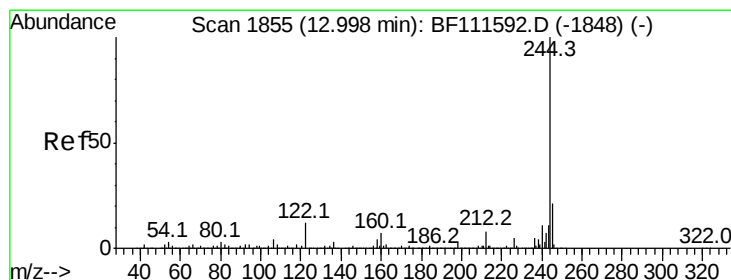
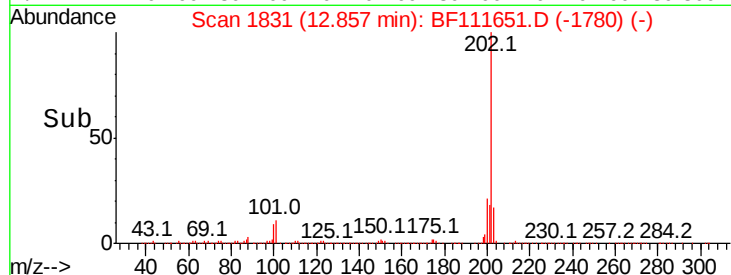
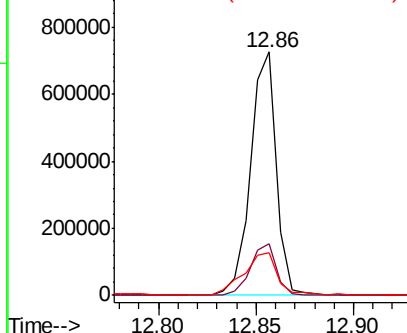
Tot Ion:	202	Resp:	659089
Ion Ratio		Lower	Upper
202	100		
200	20.9	19.0	28.4
203	17.6	15.2	22.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 50.727 ng

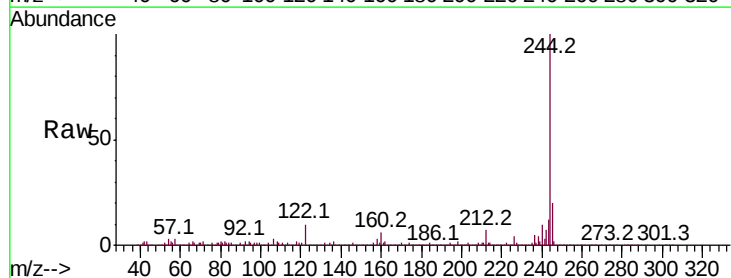
RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

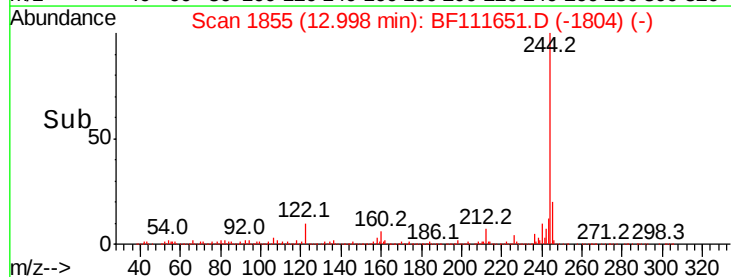
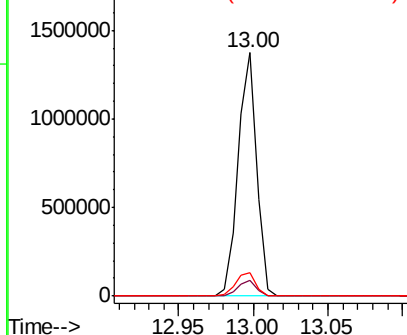
Lab File: BF111651.D

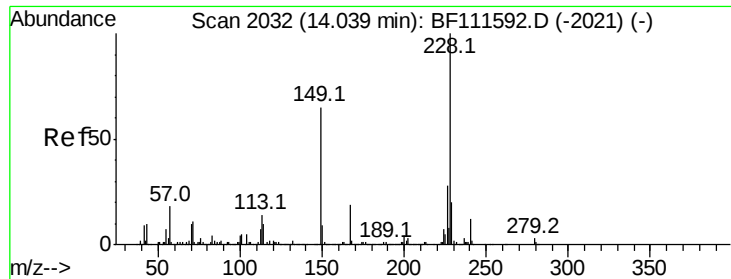
Acq: 20 Dec 2018 21:00

Tgt Ion:	244	Resp:	1195392
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.7	8.5
122	9.7	13.1	19.7#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





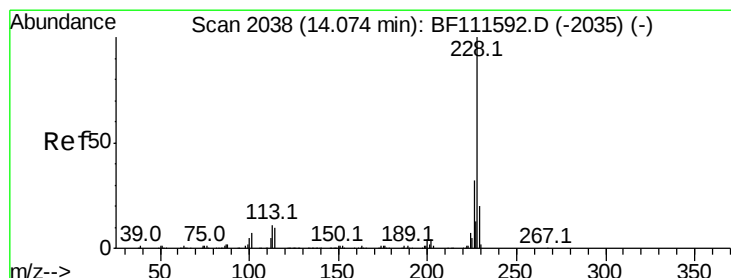
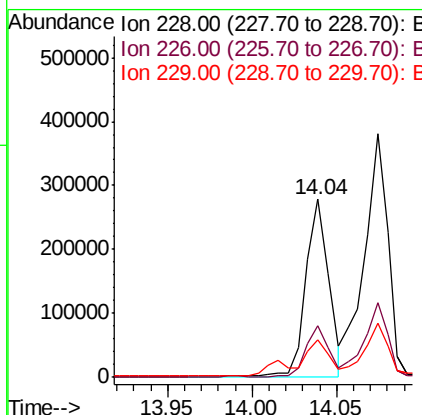
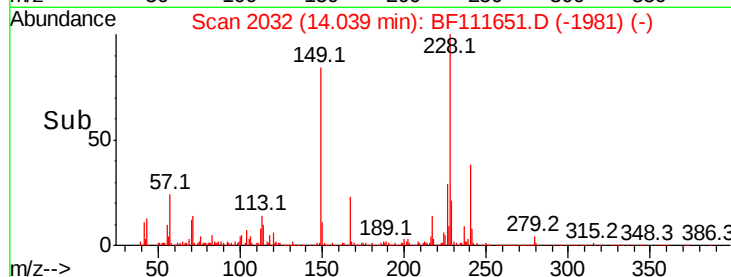
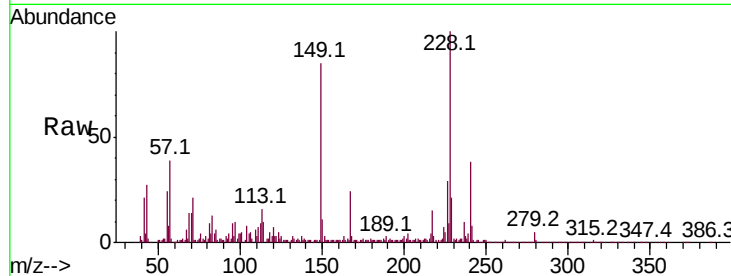
#81
Benzo(a)anthracene
Concen: 10.242 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Instrument :
BNA_F
ClientSampleID :
DW-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	34.0
229	21.1	16.3	24.5

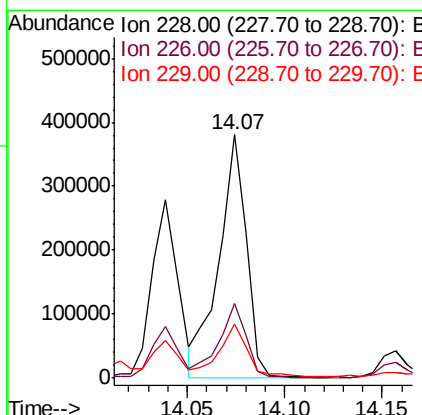
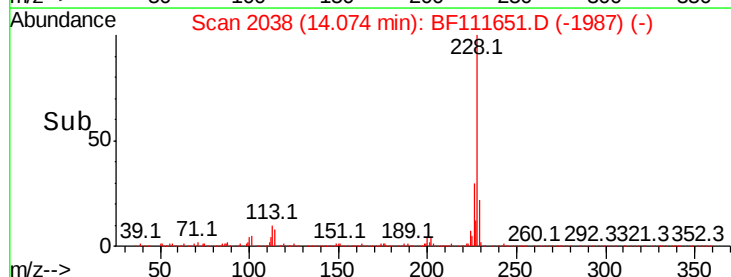
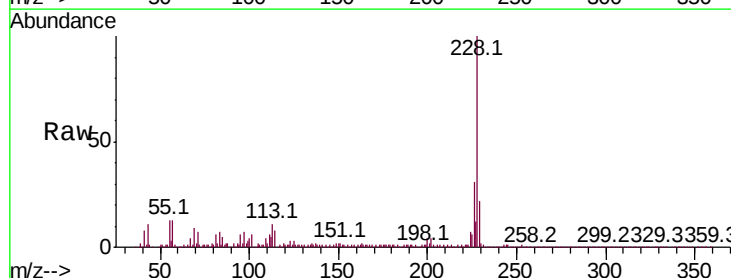
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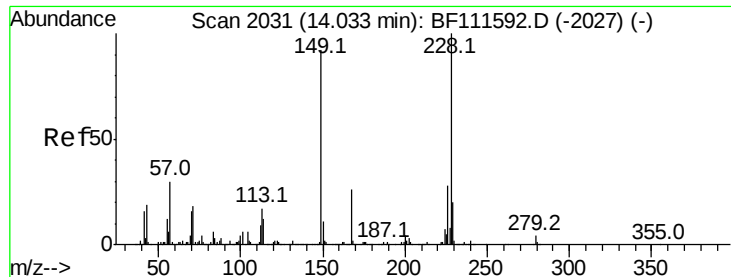
Sohil
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#83
Chrysene
Concen: 14.825 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.3	37.9
229	22.2	17.2	25.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 15.243 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF111651.D

Acq: 20 Dec 2018 21:00

Instrument :

BNA_F

ClientSampleId :

DW-5

Tot Ion:149 Resp: 246998

Ion Ratio Lower Upper

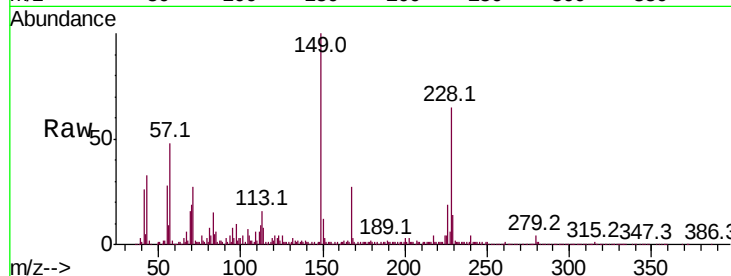
149 100

167 27.1 22.5 33.7

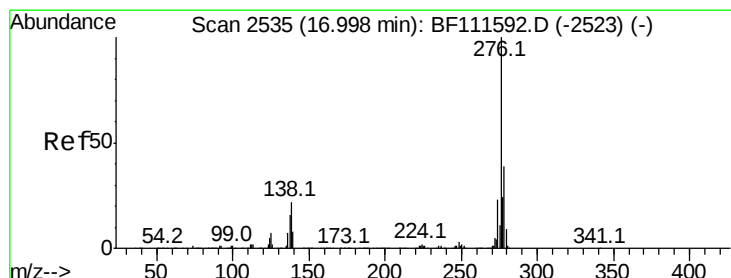
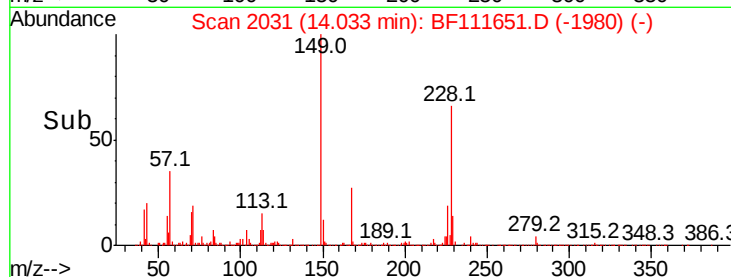
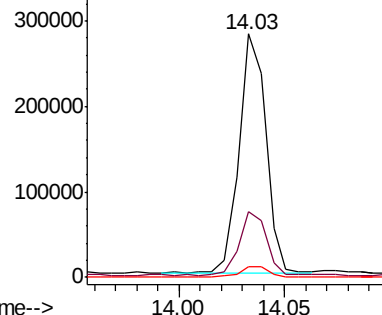
279 4.4 2.6 4.0#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.510 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF111651.D

Acq: 20 Dec 2018 21:00

Tgt Ion:276 Resp: 138734

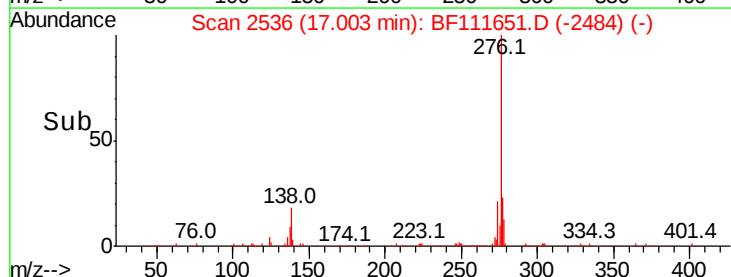
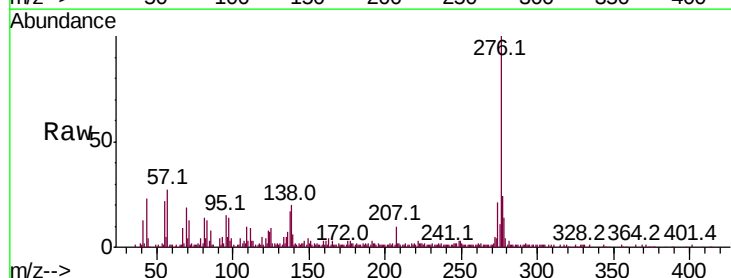
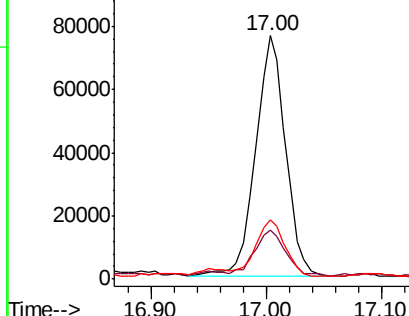
Ion Ratio Lower Upper

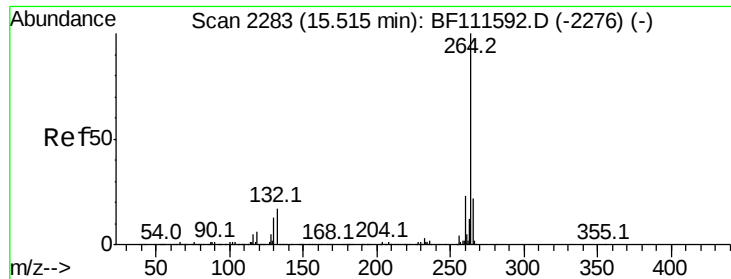
276 100

138 20.4 27.8 41.6#

277 23.5 20.1 30.1

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





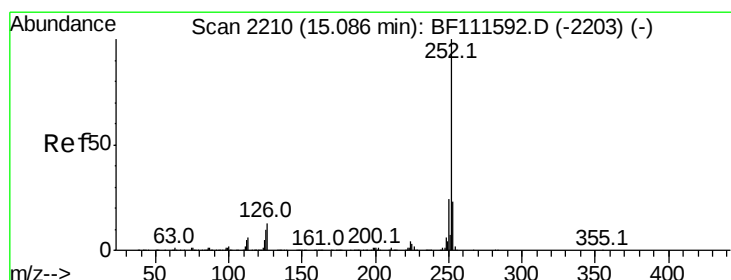
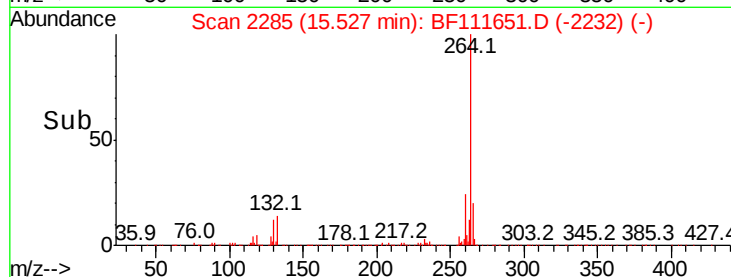
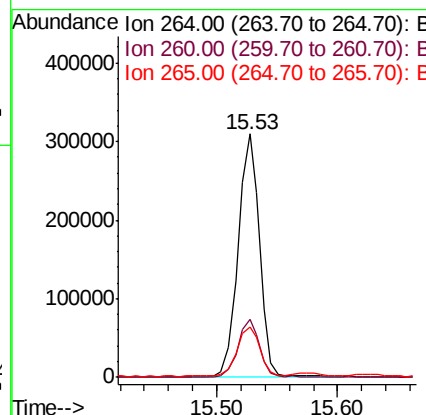
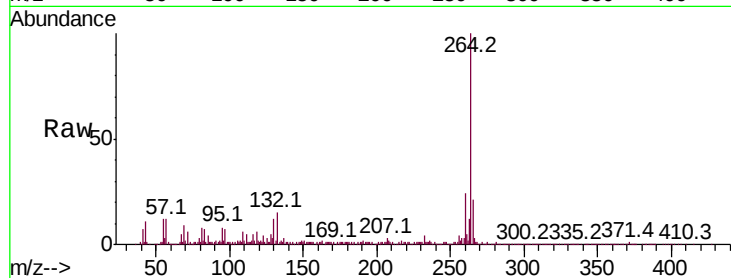
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Instrument :
BNA_F
ClientSampleId :
DW-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	20.7	17.7	26.5

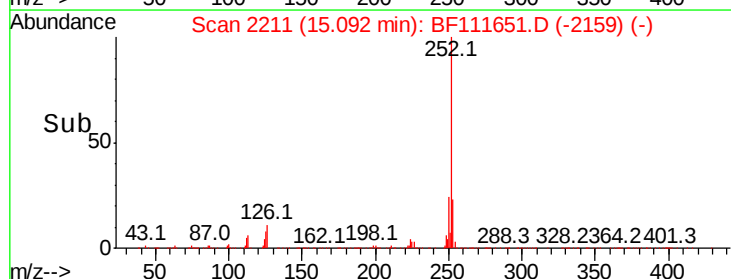
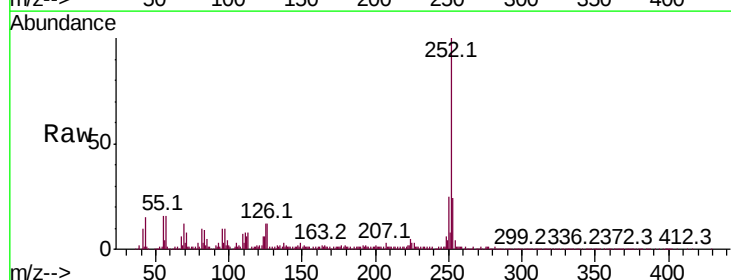
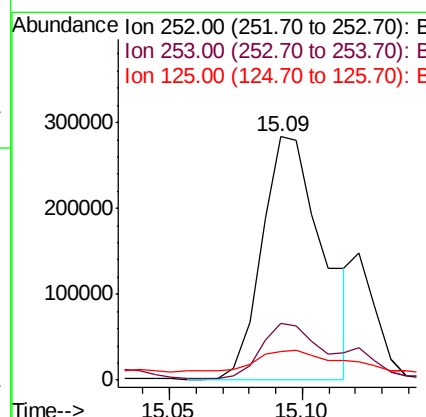
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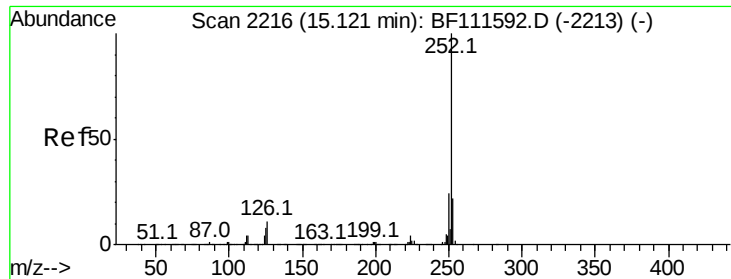
Sohil
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#88
Benzo(b)fluoranthene
Concen: 20.622 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	11.9	10.4	15.6





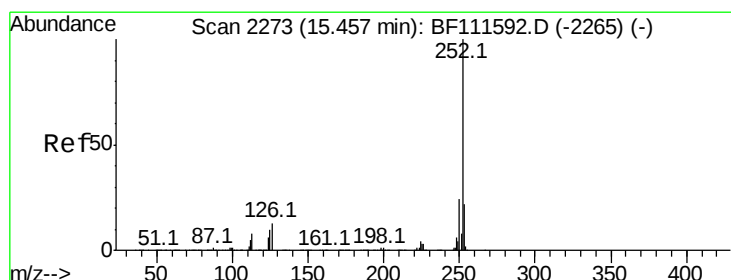
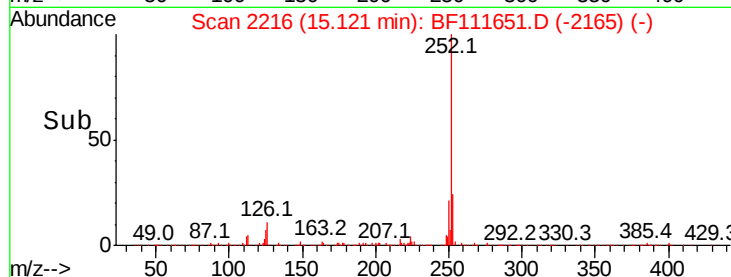
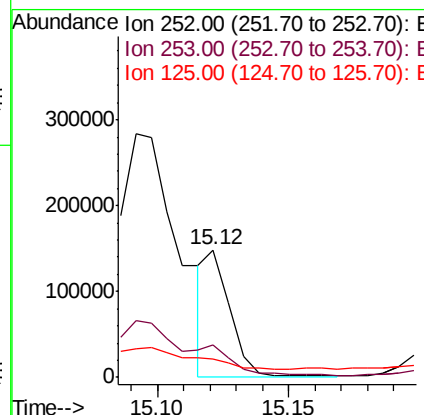
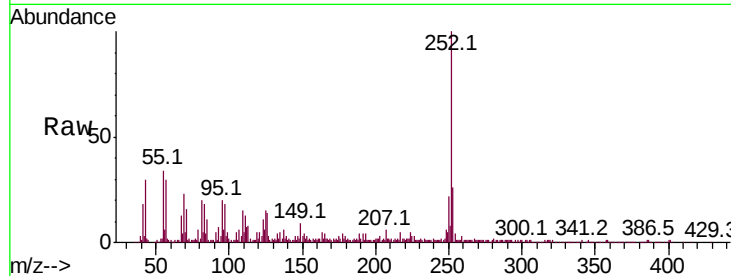
#89
Benzo(k)fluoranthene
Concen: 4.633 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Instrument :
BNA_F
ClientSampleId :
DW-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.1	27.1
125	14.5	9.8	14.8

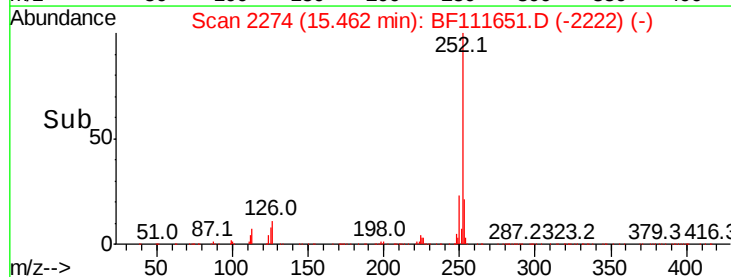
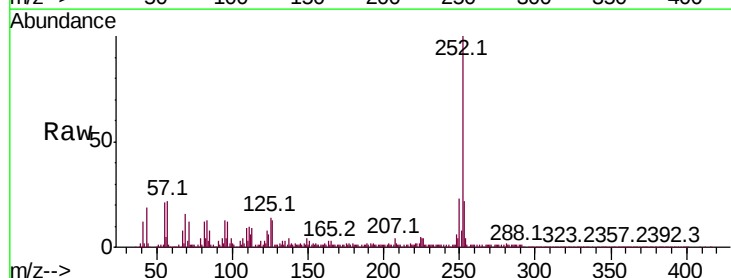
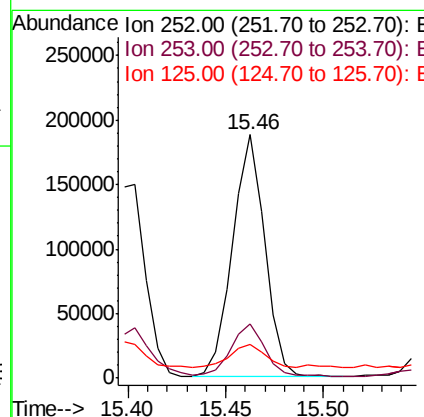
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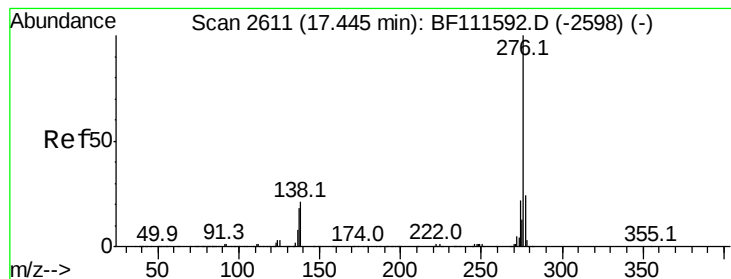
Sohil
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#90
Benzo(a)pyrene
Concen: 10.715 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF111651.D
Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	13.6	12.3	18.5





#92

Benzo(a,h,i)perylene

Concen: 7.576 ng/ml

RT: 17.45 min Scan# 2612

Delta R.T. 0.01 min

Lab File: BF111651.D

Acq: 20 Dec 2018 21:00

Instrument :

BNA_F

ClientSampleId :

DW-5

Tot Ion:	276	Resp:	129862
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.2	28.8
138	19.6	24.9	37.3#

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