

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110317\
 Data File : BF100148.D
 Acq On : 3 Nov 2017 21:26
 Operator : SJ/JU
 Sample : I6093-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B8-B9-COMP-1-4

Manual Integrations
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 11/4/2017 2:19:07 PM

Quant Time: Nov 03 23:55:30 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	94751	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	386500	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	170735	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	271720	20.00	ng	0.00
75) Chrysene-d12	13.95	240	153368	20.00	ng	0.00
86) Perylene-d12	15.41	264	163673	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	609023	100.91	ng	0.00
7) Phenol-d6	6.42	99	730087	102.02	ng	0.00
23) Nitrobenzene-d5	7.34	82	411335	68.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	128619	82.66	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	758537	68.54	ng	0.00
78) Terphenyl-d14	12.88	244	495116	70.55	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.43	94	43449	5.530	ng	82
49) Dimethylphthalate	9.52	163	139774	10.338	ng	99
51) Acenaphthene	9.84	154	32842	3.111	ng	98
57) Fluorene	10.36	166	35006	2.837	ng	97
70) Phenanthrene	11.32	178	453704	29.587	ng	98
71) Anthracene	11.37	178	65833	4.229	ng	95
72) Carbazole	11.55	167	40237	2.749	ng	99
74) Fluoranthene	12.52	202	561255	35.219	ng	99
77) Pyrene	12.75	202	439836	37.715	ng	100
80) Benzo(a)anthracene	13.94	228	161482	16.609	ng	98
82) Chrysene	13.97	228	175550	19.206	ng	98
85) Indeno(1,2,3-cd)pyrene	16.89	276	102496	12.215	ng	97
87) Benzo(b)fluoranthene	14.99	252	242595m	23.473	ng	
88) Benzo(k)fluoranthene	15.02	252	93006m	9.543	ng	
89) Benzo(a)pyrene	15.35	252	160940	17.335	ng	# 97
90) Dibenzo(a,h)anthracene	16.88	278	24128m	2.925	ng	
91) Benzo(g,h,i)perylene	17.33	276	98784	12.240	ng	93

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

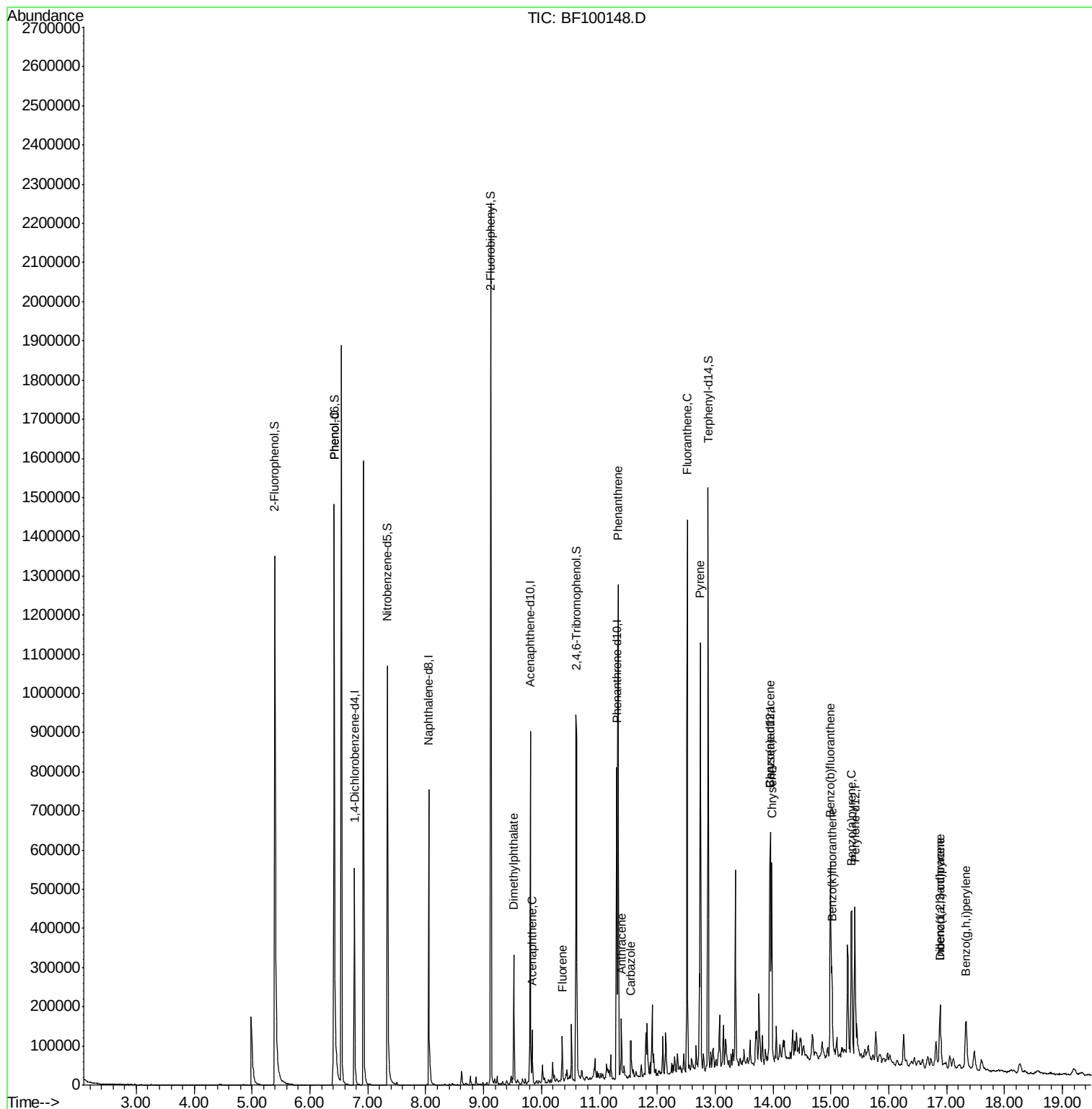
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110317\
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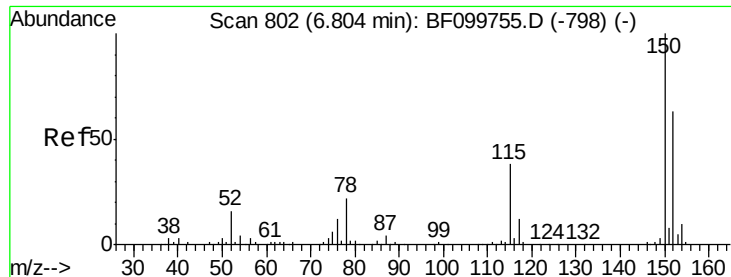
Instrument :
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TEC-B8-B9-COMP-1-4

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

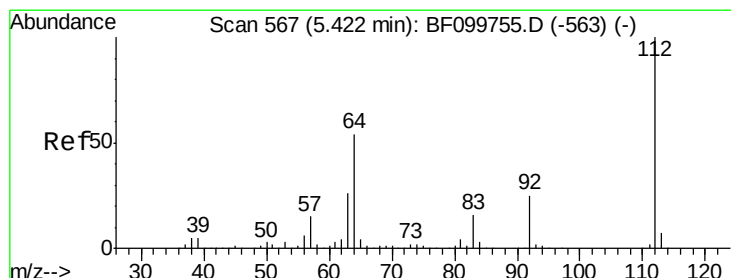
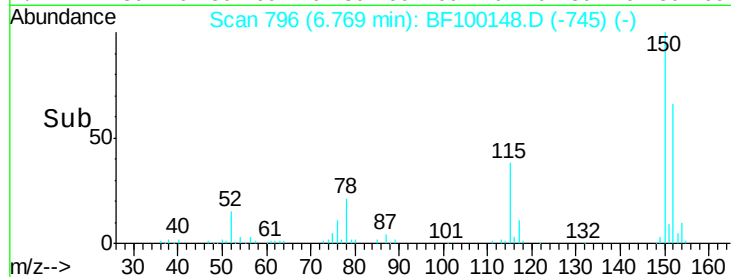
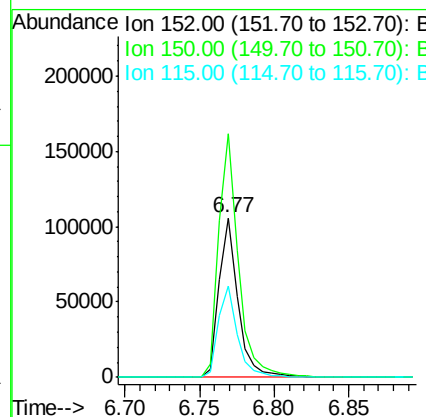
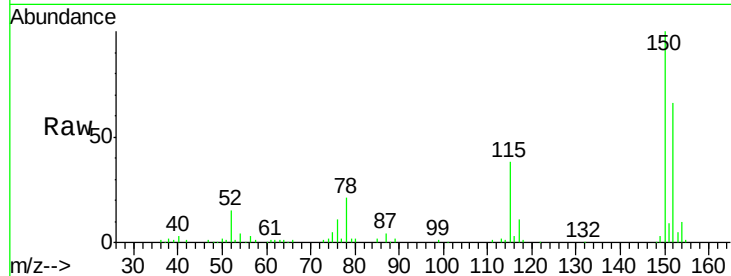
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF100148.D
Acq: 3 Nov 2017 21:26

Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-1-4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.6	186.8
115	57.6	50.1	75.1

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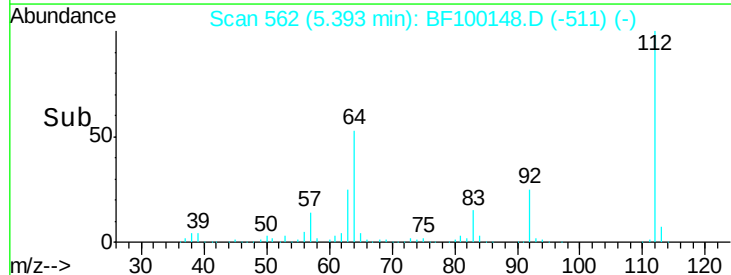
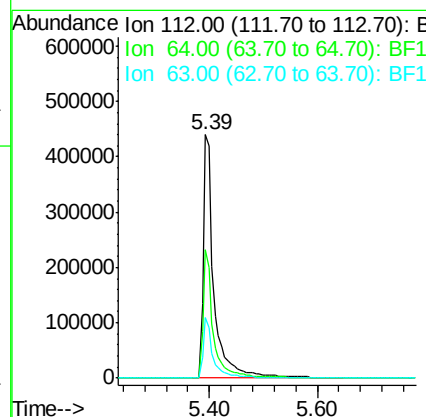
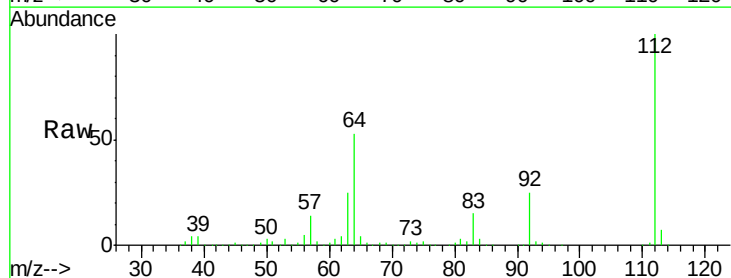
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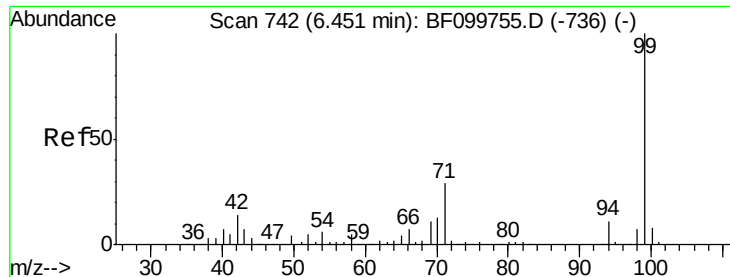


#5

2-Fluorophenol
Concen: 100.911 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF100148.D
Acq: 3 Nov 2017 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	47.9	71.9
63	24.9	23.7	35.5





#7

Phenol-d6

Concen: 102.023 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Instrument :

BNA_F

ClientSampleId :

TEC-B8-B9-COMP-1-4

Tgt Ion: 99 Resp: 730087

Ion Ratio Lower Upper

99 100

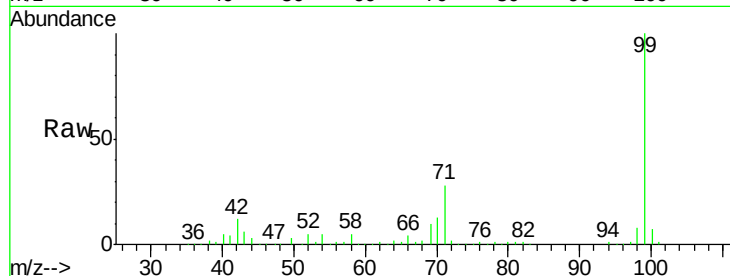
42 12.4 14.5 21.7#

71 27.6 25.4 38.0

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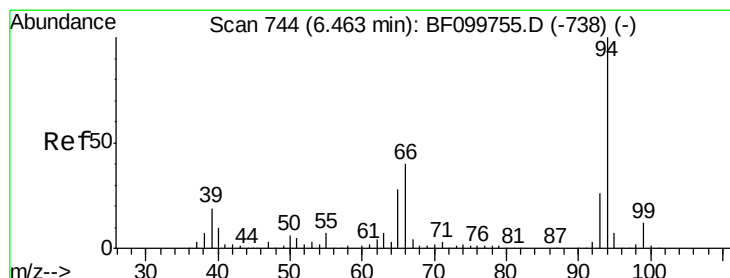
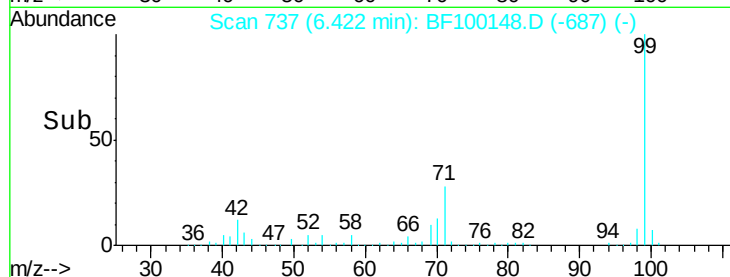
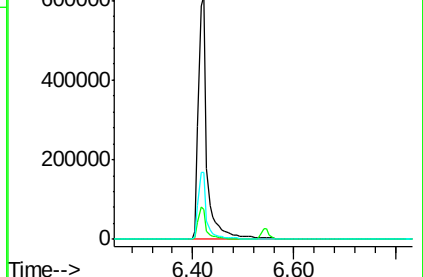
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.530 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

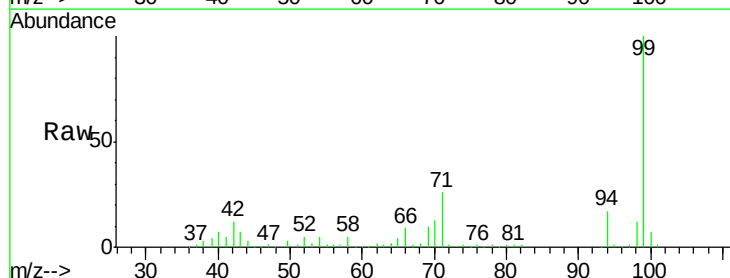
Tgt Ion: 94 Resp: 43449

Ion Ratio Lower Upper

94 100

65 25.4 7.9 47.9

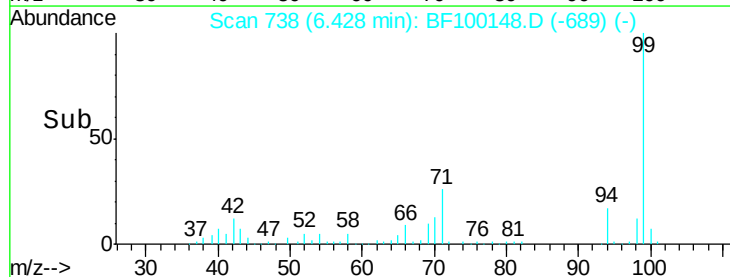
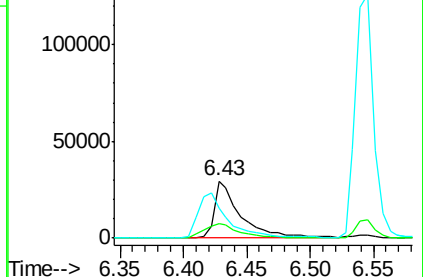
66 52.4 16.2 56.2

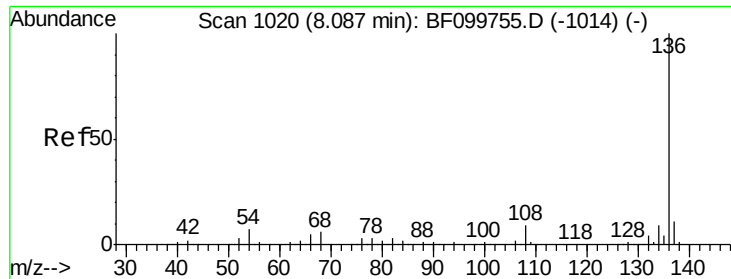


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





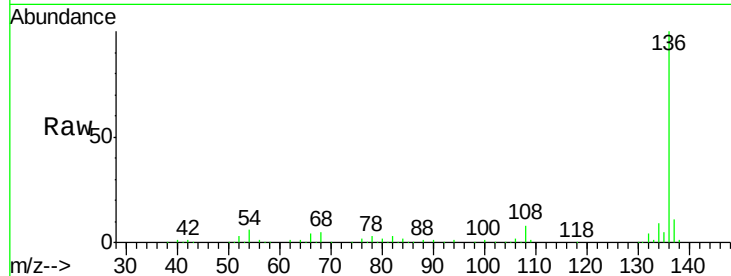
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF100148.D
Acq: 3 Nov 2017 21:26

Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-1-4

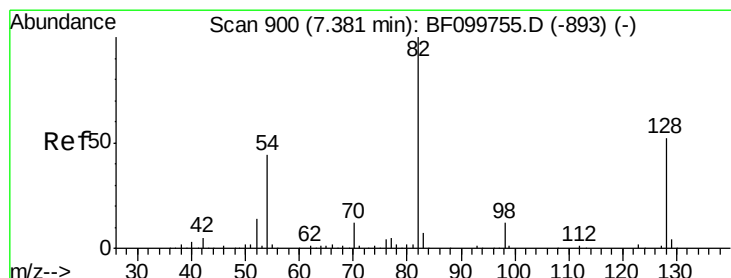
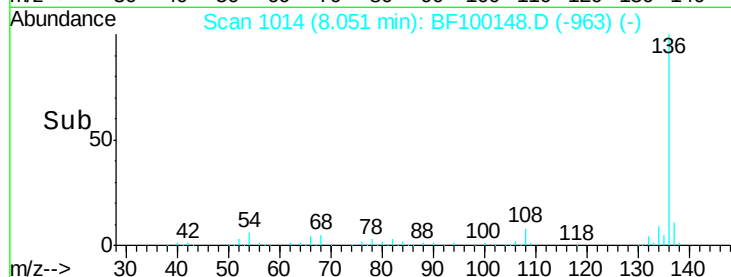
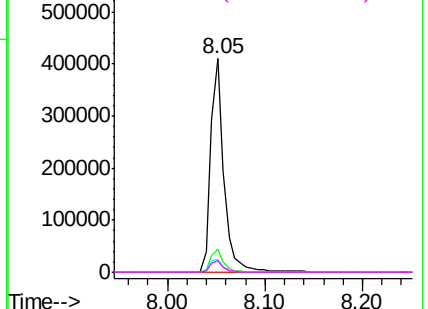
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	386500		
137	10.7	8.9	13.3	
54	6.1	6.6	9.8#	
68	5.4	5.0	7.4	

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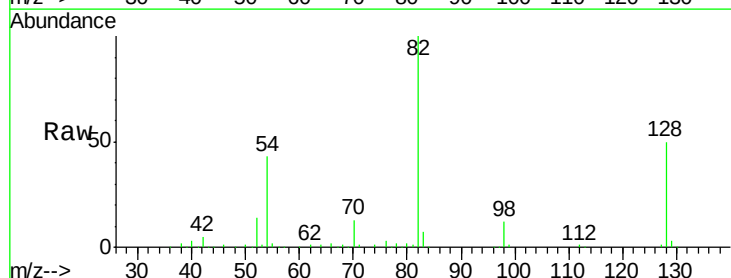


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

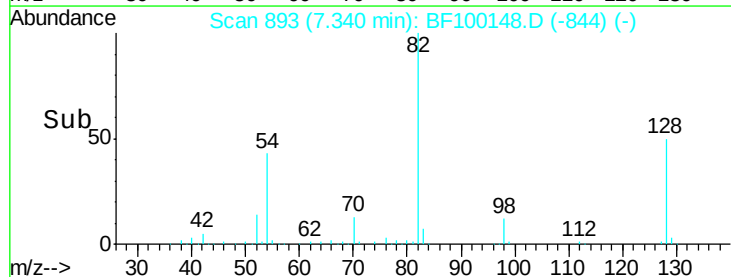
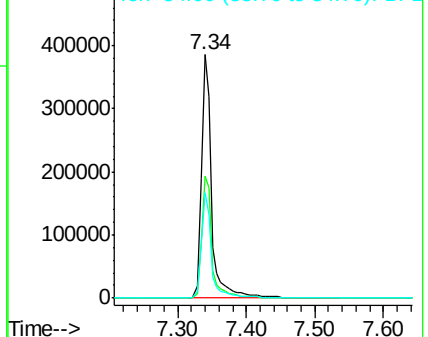


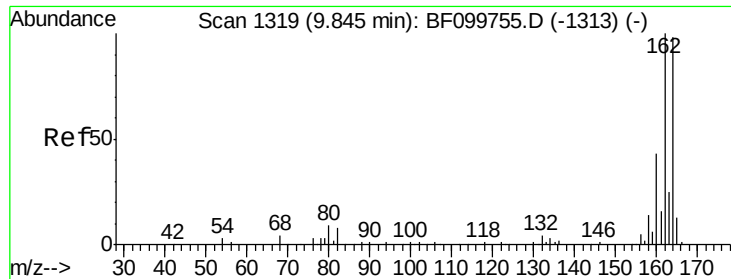
#23
Nitrobenzene-d5
Concen: 68.517 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100148.D
Acq: 3 Nov 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	411335		
128	50.2	36.1	54.1	
54	43.3	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





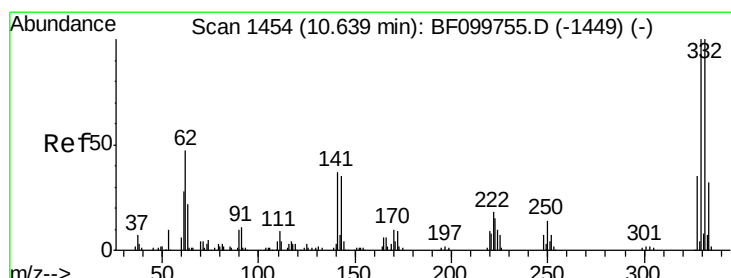
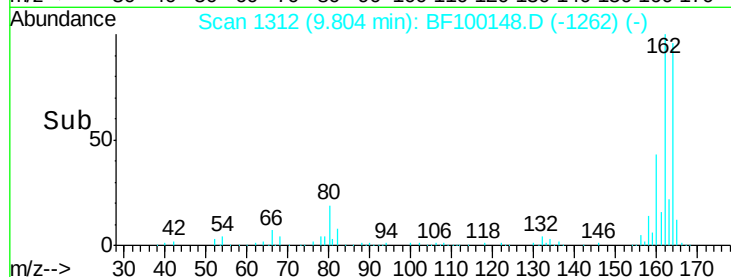
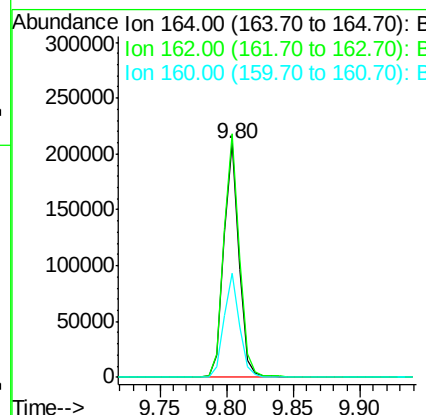
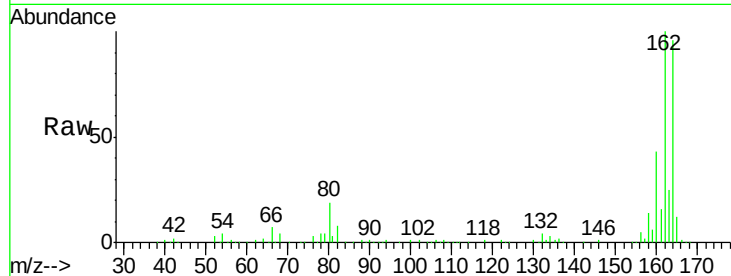
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF100148.D
Acq: 3 Nov 2017 21:26

Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-1-4

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	170735		
162	103.8	86.1	129.1	
160	44.6	38.3	57.5	

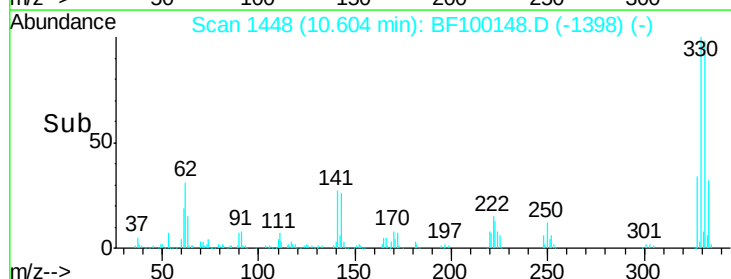
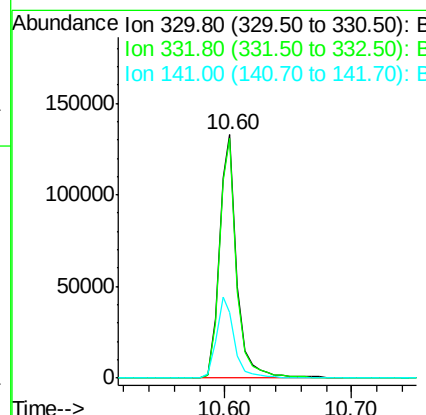
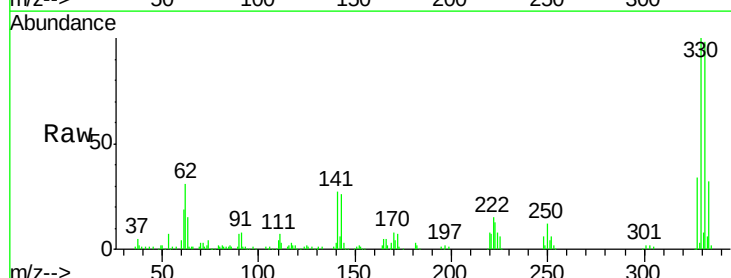
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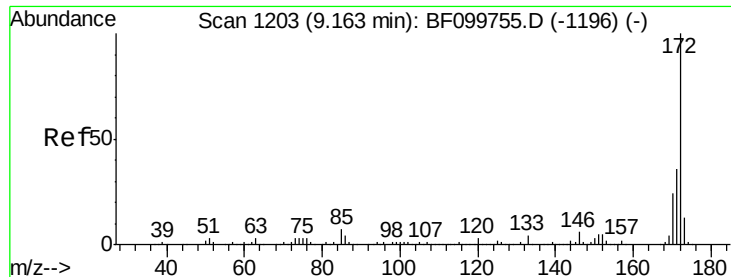
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#41
2,4,6-Tribromophenol
Concen: 82.663 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF100148.D
Acq: 3 Nov 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	128619		
332	97.0	77.0	115.6	
141	34.5	29.9	44.9	





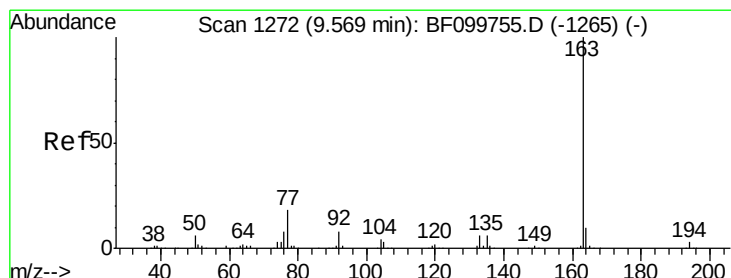
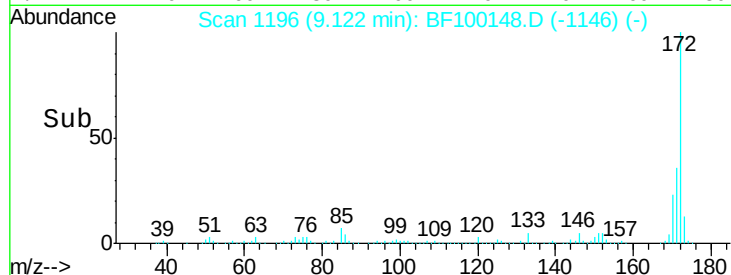
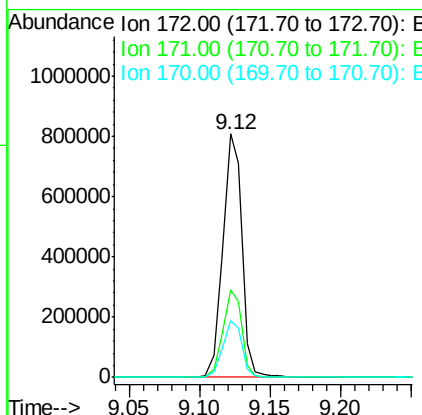
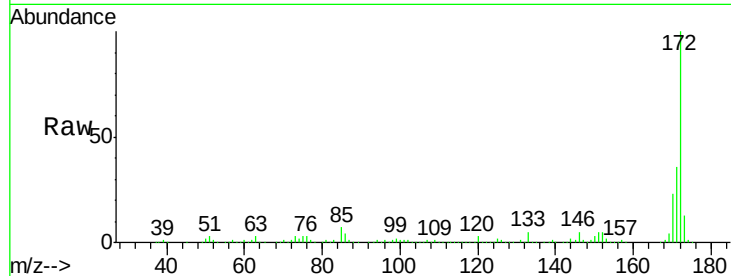
#44
2-Fluorobiphenyl
Concen: 68.545 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF100148.D
Acq: 3 Nov 2017 21:26

Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-1-4

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	758537		
171	35.9	29.7	44.5	
170	23.4	19.6	29.4	

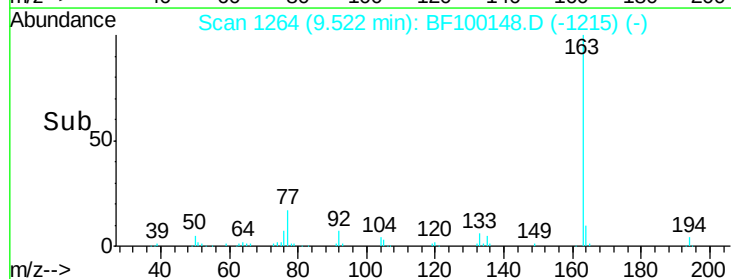
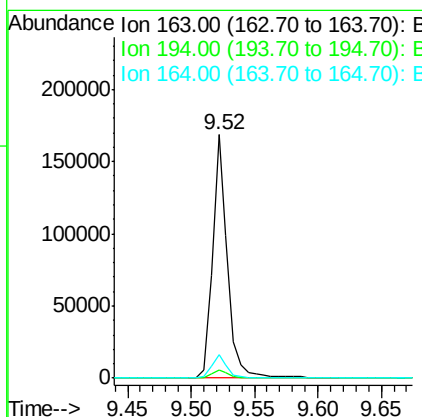
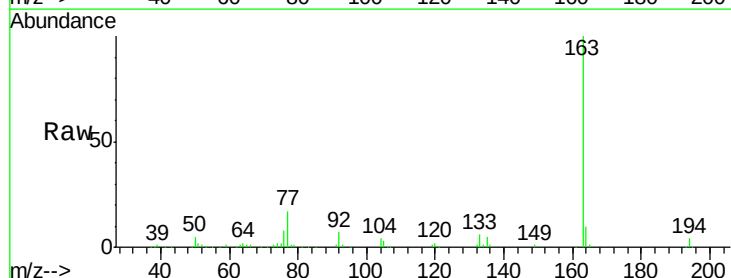
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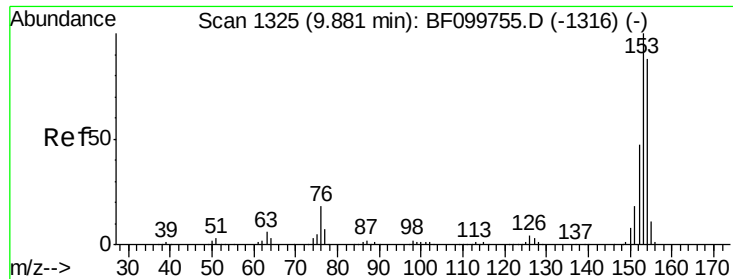
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#49
Dimethylphthalate
Concen: 10.338 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF100148.D
Acq: 3 Nov 2017 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	139774		
194	3.5	2.7	4.1	
164	9.8	8.2	12.2	





#51

Acenaphthene

Concen: 3.111 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Instrument :

BNA_F

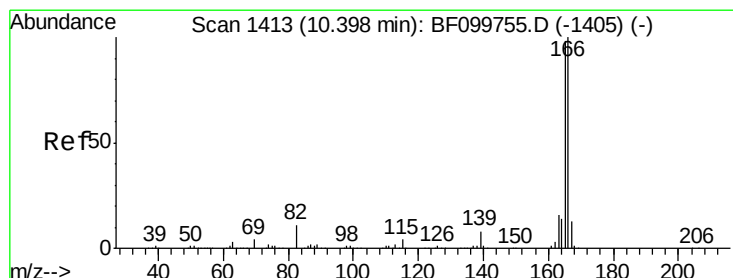
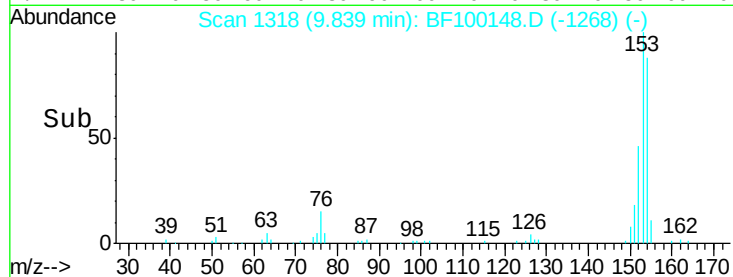
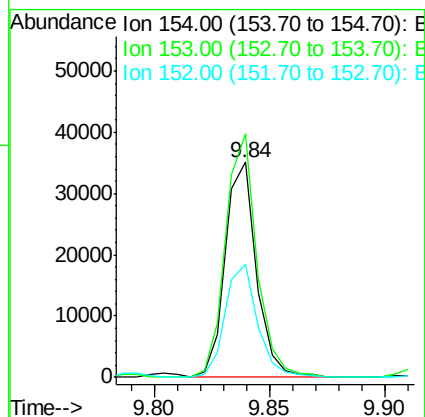
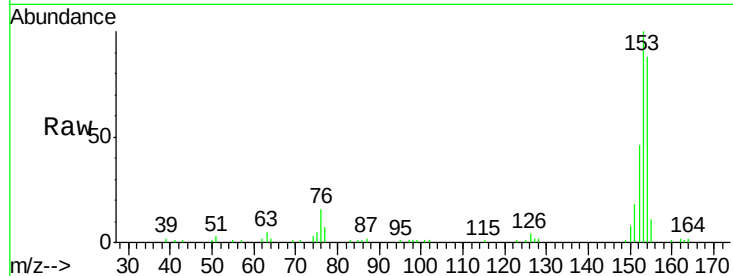
ClientSampleId :

TEC-B8-B9-COMP-1-4

Tgt Ion:	154	Resp:	32842
Ion Ratio	Lower	Upper	
154	100		
153	113.2	91.2	136.8
152	52.5	43.8	65.8

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#57

Fluorene

Concen: 2.837 ng

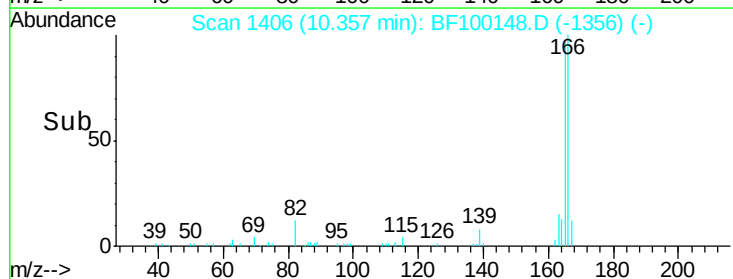
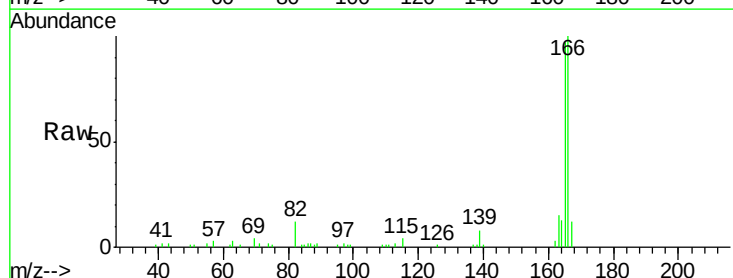
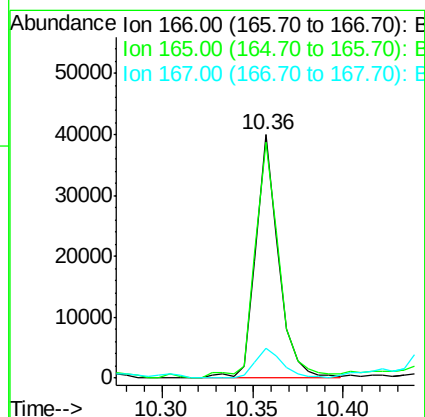
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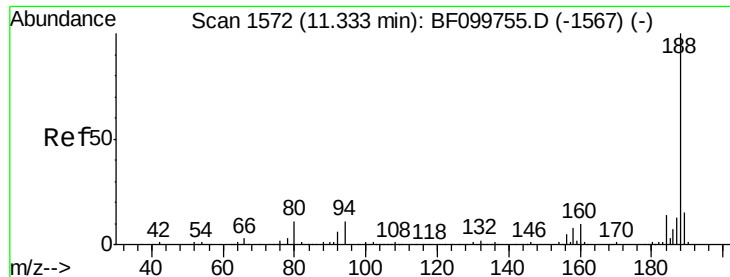
Delta R.T. -0.01 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Tgt Ion:	166	Resp:	35006
Ion Ratio	Lower	Upper	
166	100		
165	96.9	79.8	119.8
167	12.1	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Instrument :

BNA_F

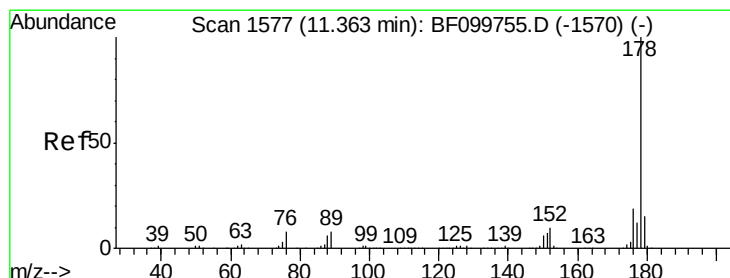
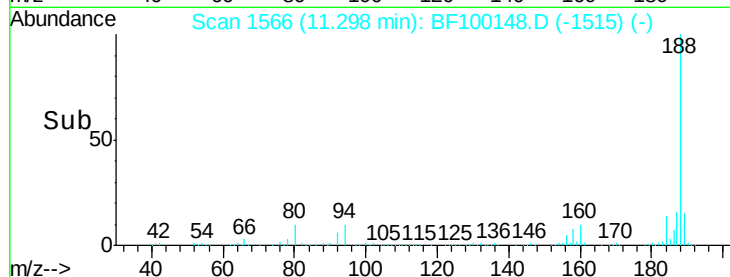
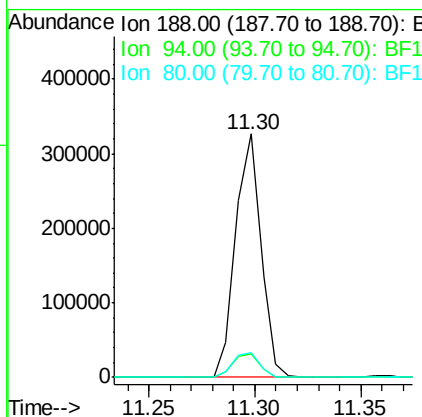
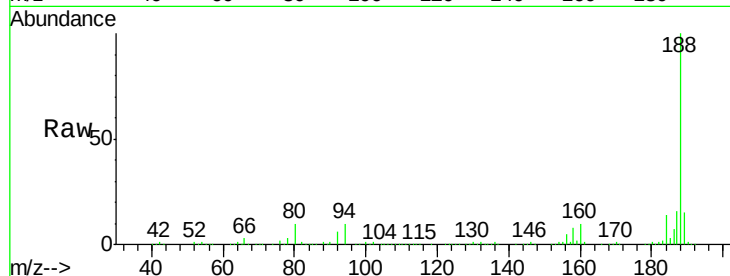
ClientSampleId :

TEC-B8-B9-COMP-1-4

Tgt Ion:	188	Resp:	271720
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.5	12.7
80	10.4	9.2	13.8

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#70

Phenanthrene

Concen: 29.587 ng

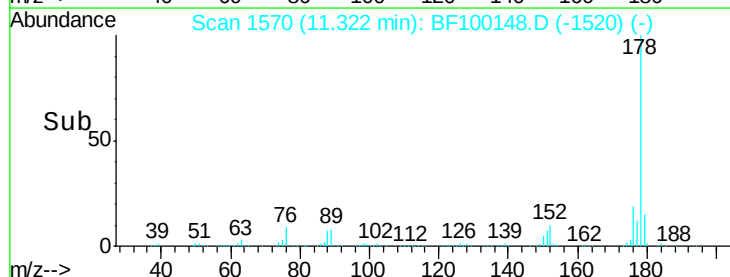
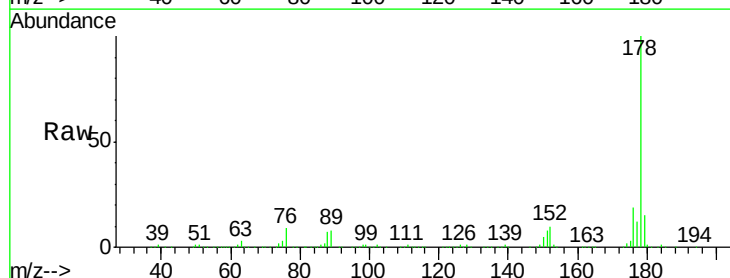
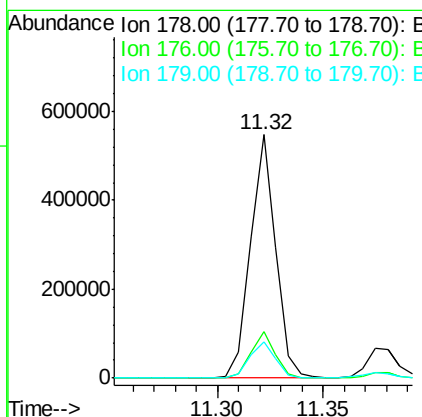
RT: 11.32 min Scan# 1570

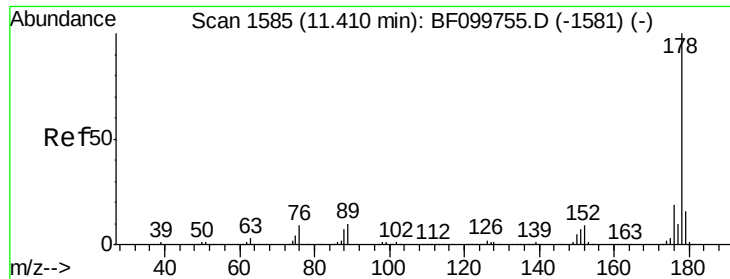
Delta R.T. -0.01 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Tgt Ion:	178	Resp:	453704
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	15.1	13.0	19.6





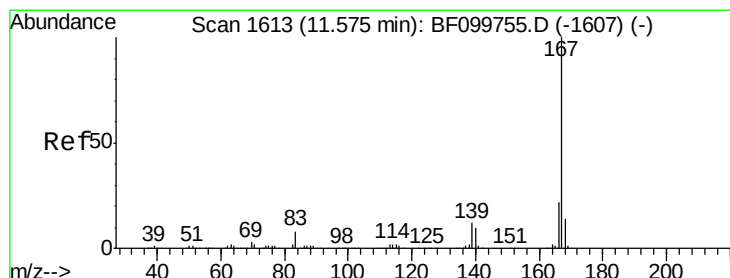
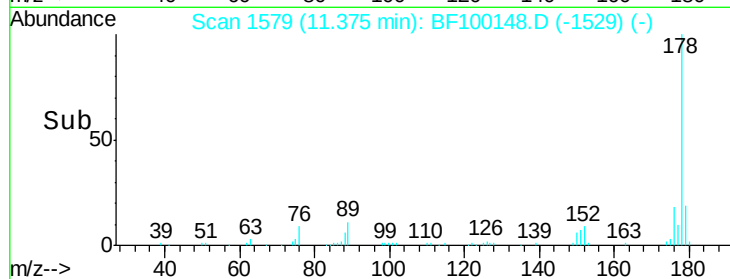
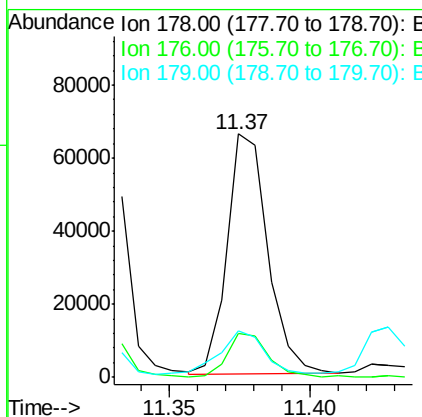
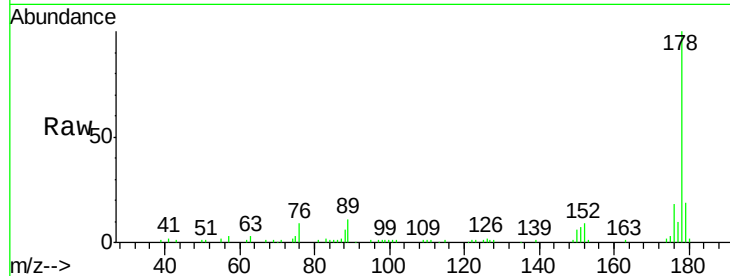
#71
 Anthracene
 Concen: 4.229 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF100148.D
 Acq: 3 Nov 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B8-B9-COMP-1-4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	18.9	12.6	19.0

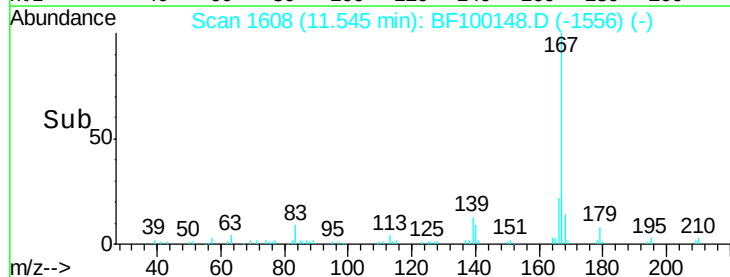
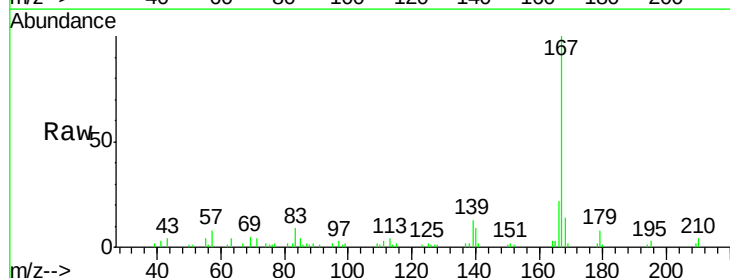
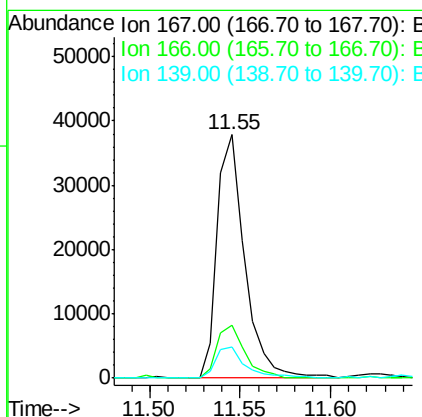
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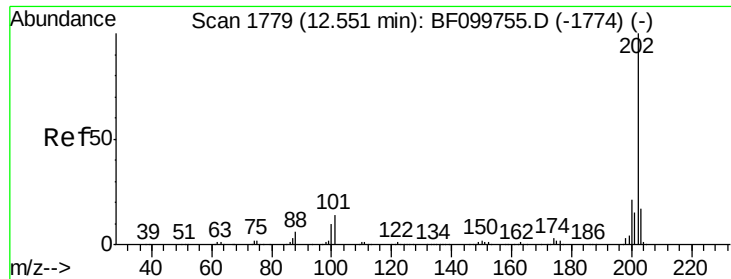
Sohil
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#72
 Carbazole
 Concen: 2.749 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. 0.01 min
 Lab File: BF100148.D
 Acq: 3 Nov 2017 21:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.7	10.9	16.3





#74

Fluoranthene

Concen: 35.219 ng

RT: 12.52 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Instrument :

BNA_F

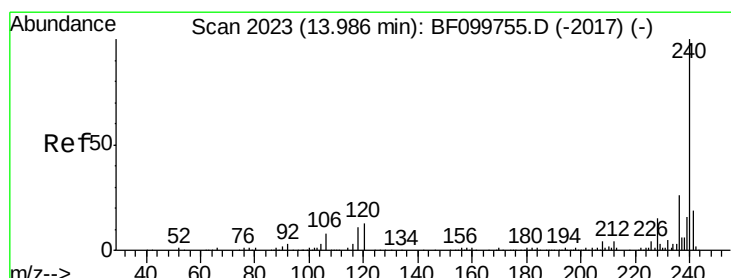
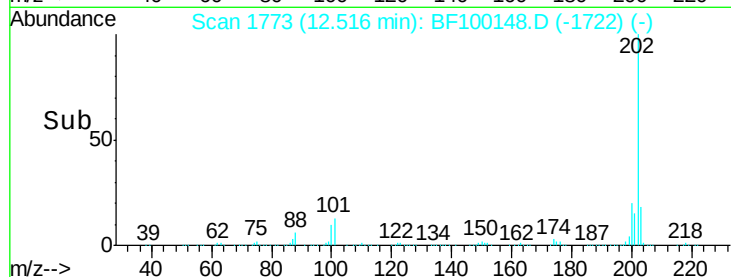
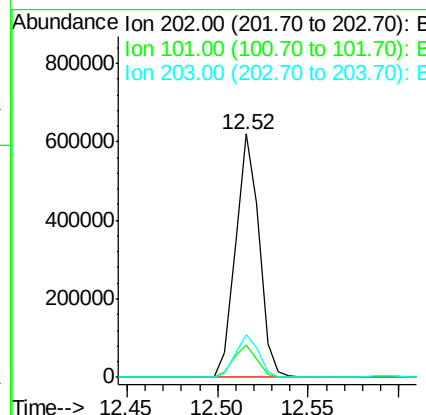
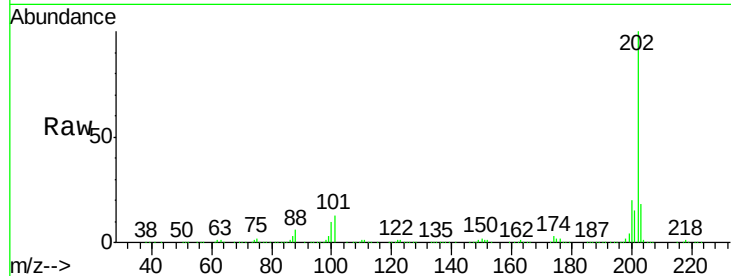
ClientSampleId :

TEC-B8-B9-COMP-1-4

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		561255		
101	13.4	0.0	34.1		
203	17.5	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

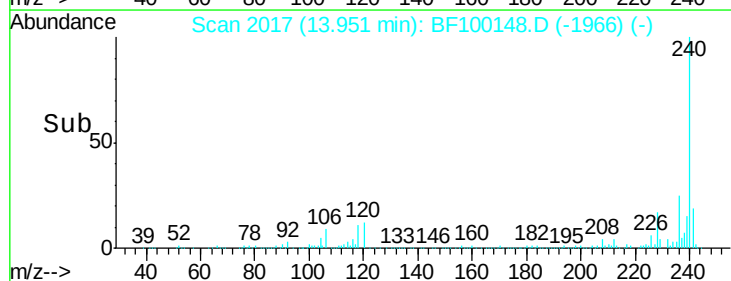
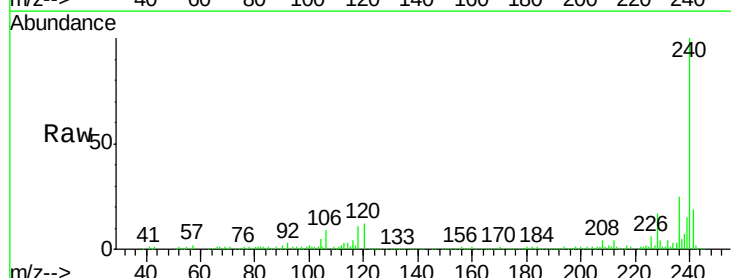
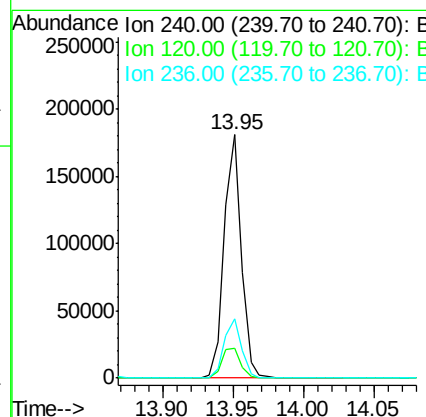
RT: 13.95 min Scan# 2017

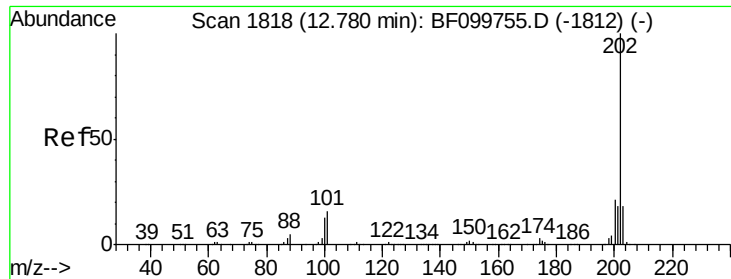
Delta R.T. 0.00 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		153368		
120	12.5	9.5	14.3		
236	24.5	20.7	31.1		





#77

Pyrene

Concen: 37.715 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Instrument :

BNA_F

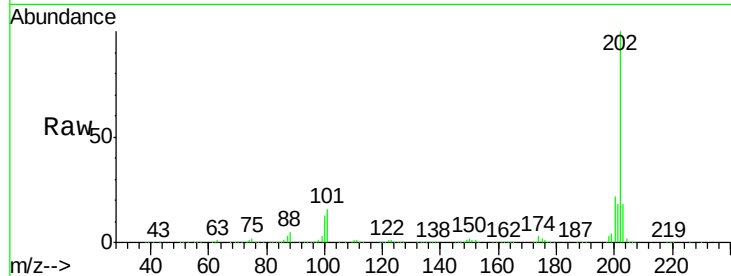
ClientSampleId :

TEC-B8-B9-COMP-1-4

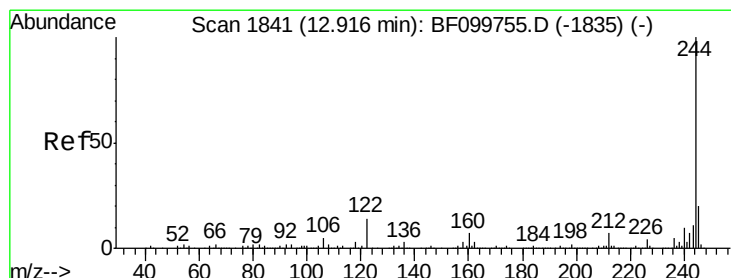
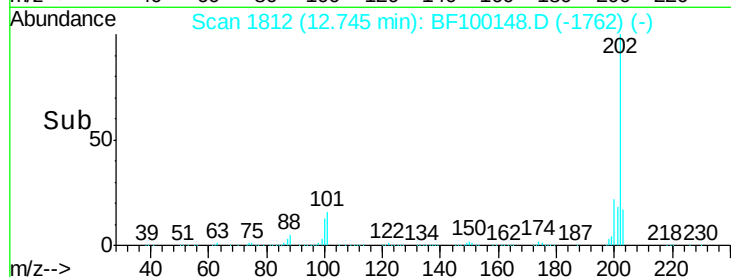
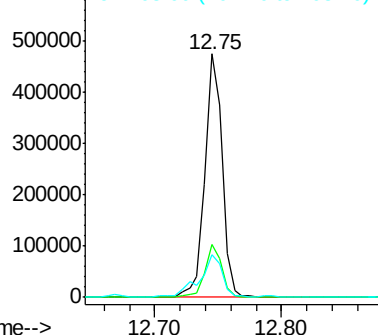
Tgt Ion:	202	Resp:	439836
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	17.8	14.3	21.5

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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



#78

Terphenyl-d14

Concen: 70.550 ng

RT: 12.88 min Scan# 1835

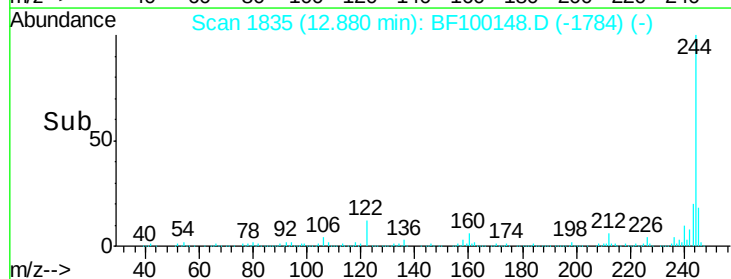
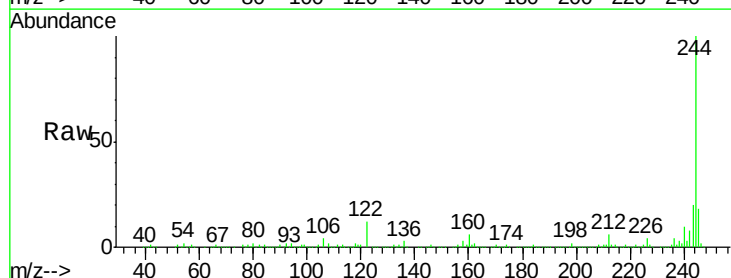
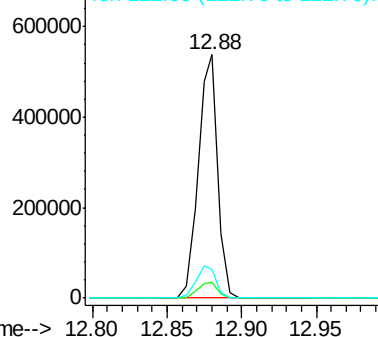
Delta R.T. 0.00 min

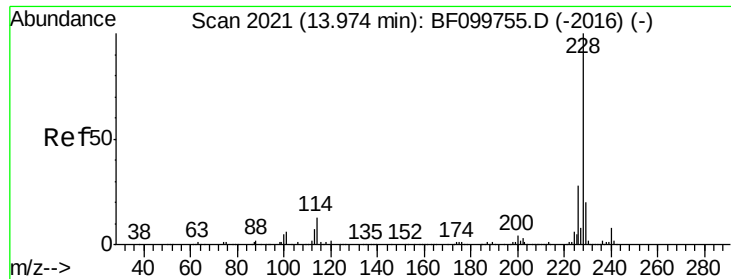
Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Tgt Ion:	244	Resp:	495116
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	11.9	11.0	16.4

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





#80

Benzo(a)anthracene

Concen: 16.609 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Instrument :

BNA_F

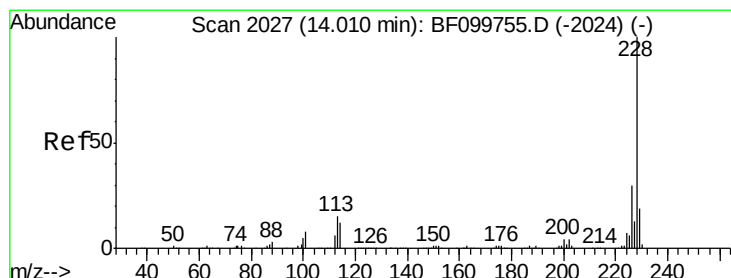
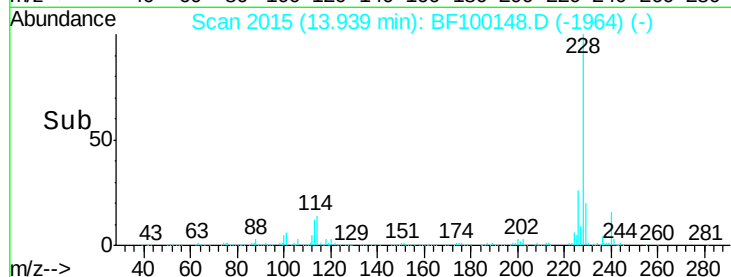
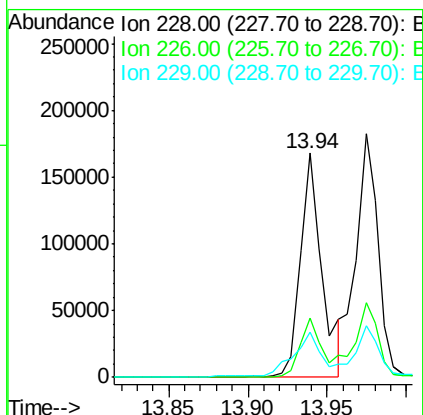
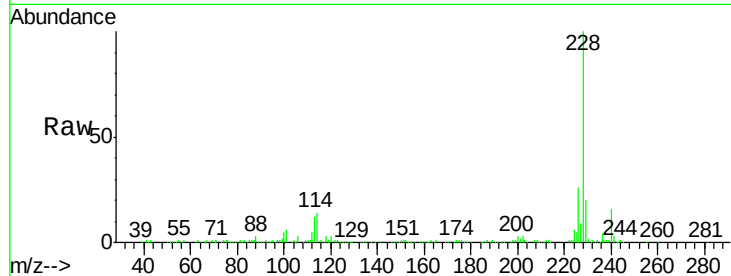
ClientSampleId :

TEC-B8-B9-COMP-1-4

Tgt Ion:	228	Resp:	161482
Ion Ratio	Lower	Upper	
228	100		
226	26.3	22.6	33.8
229	20.0	15.8	23.6

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#82

Chrysene

Concen: 19.206 ng

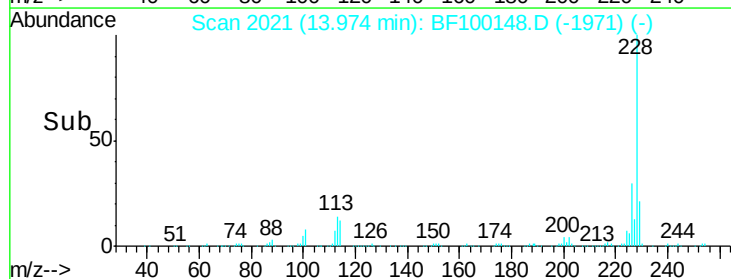
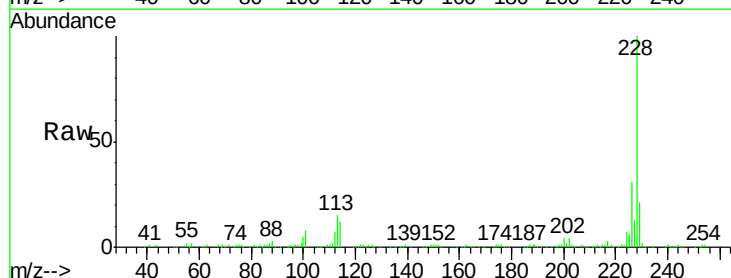
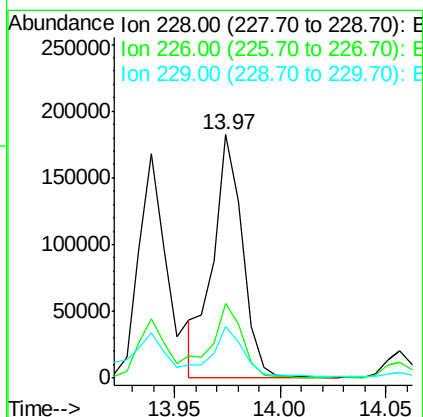
RT: 13.97 min Scan# 2021

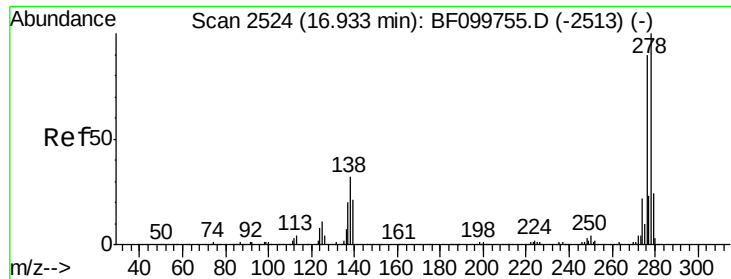
Delta R.T. -0.01 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Tgt Ion:	228	Resp:	175550
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	21.2	16.2	24.4





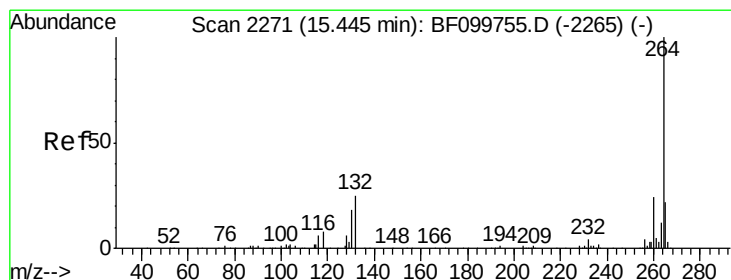
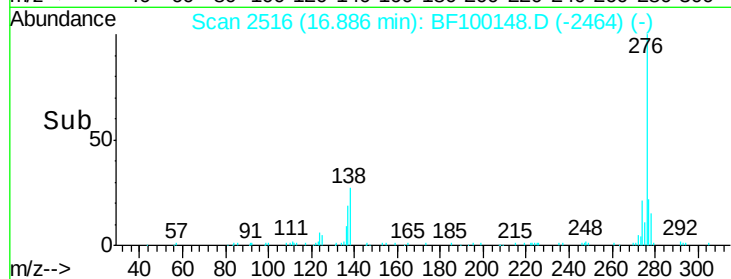
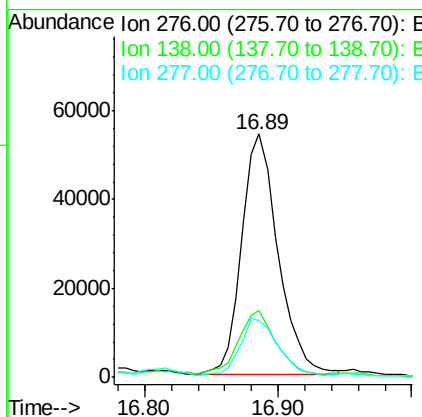
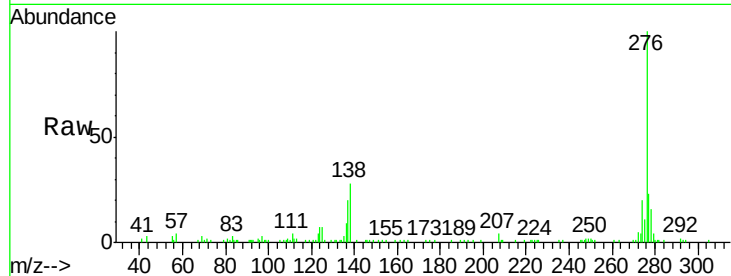
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.215 ng
 RT: 16.89 min Scan# 2516
 Delta R.T. 0.01 min
 Lab File: BF100148.D
 Acq: 3 Nov 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B8-B9-COMP-1-4

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	29.3	25.0	37.6
277	24.2	20.1	30.1

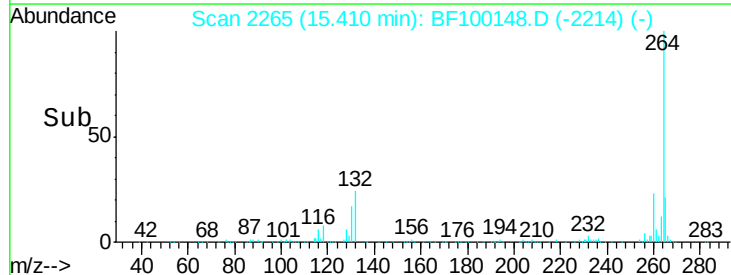
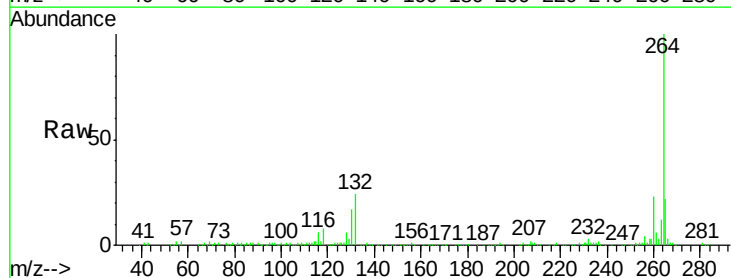
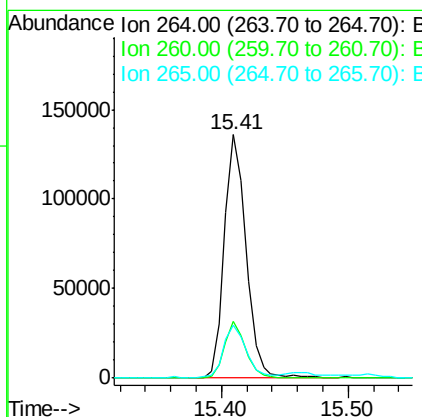
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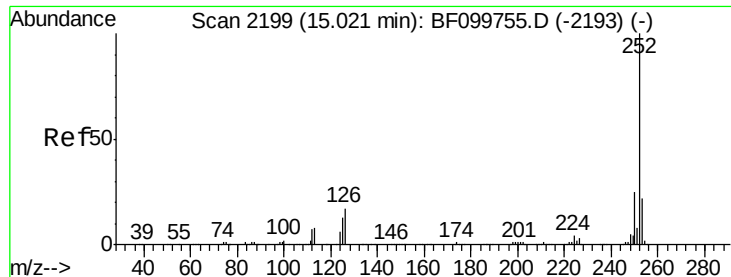
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: BF100148.D
 Acq: 3 Nov 2017 21:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.5	19.2	28.8
265	21.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 23.473 ng m

RT: 14.99 min Scan# 2194

Delta R.T. 0.01 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Instrument :

BNA_F

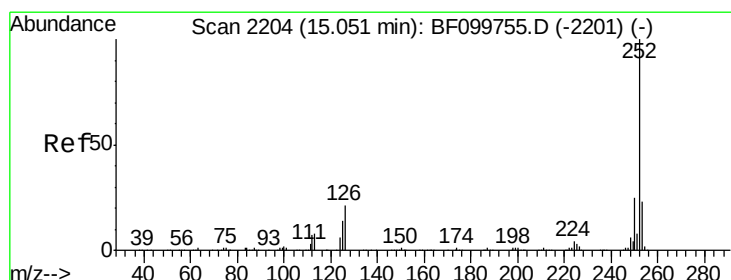
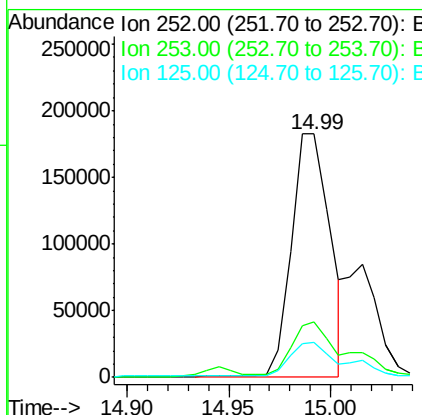
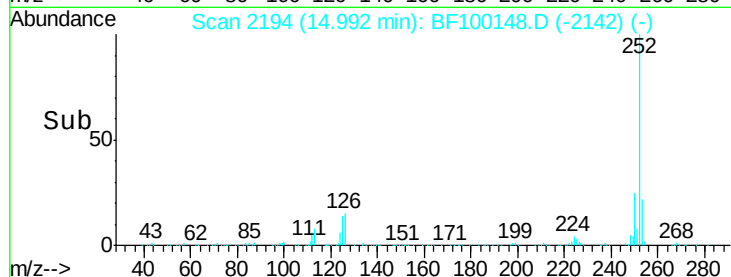
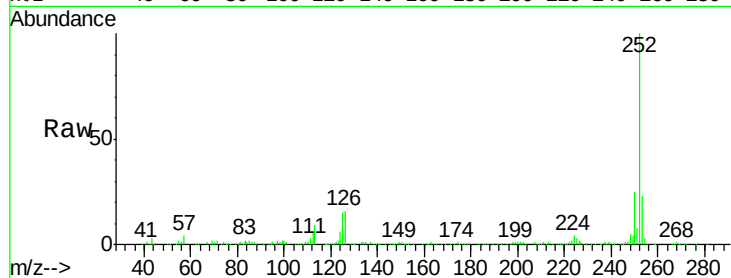
ClientSampleId :

TEC-B8-B9-COMP-1-4

Tgt Ion:	252	Resp:	242595
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	14.6	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 9.543 ng m

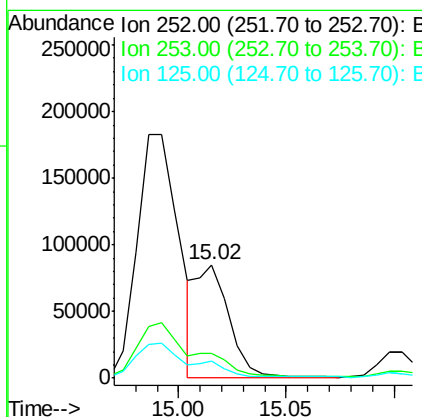
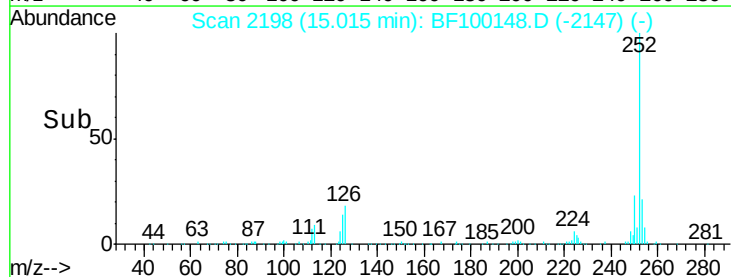
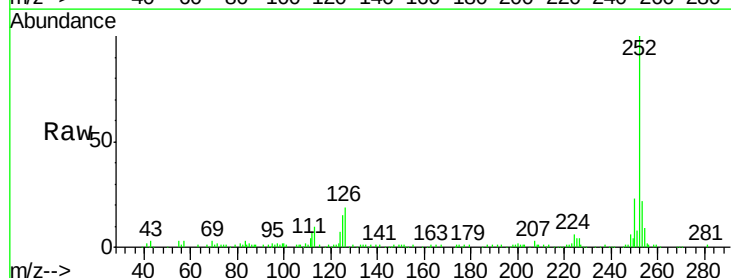
RT: 15.02 min Scan# 2198

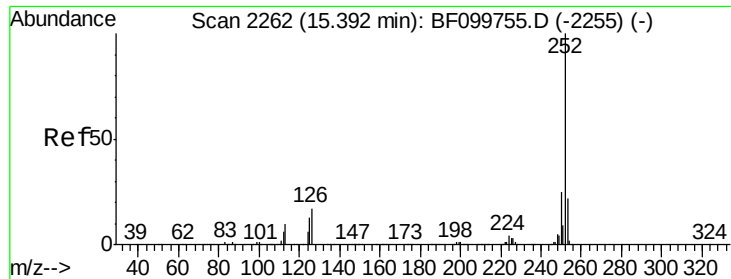
Delta R.T. 0.00 min

Lab File: BF100148.D

Acq: 3 Nov 2017 21:26

Tgt Ion:	252	Resp:	93006
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.9	26.9
125	14.6	10.2	15.2





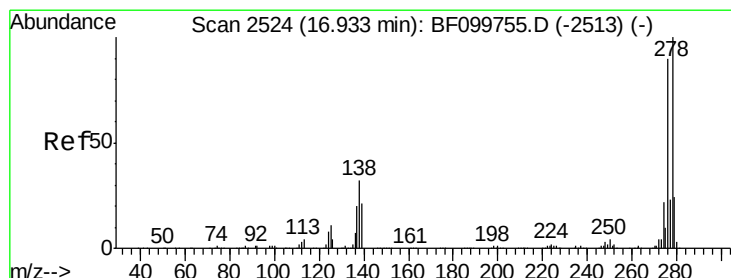
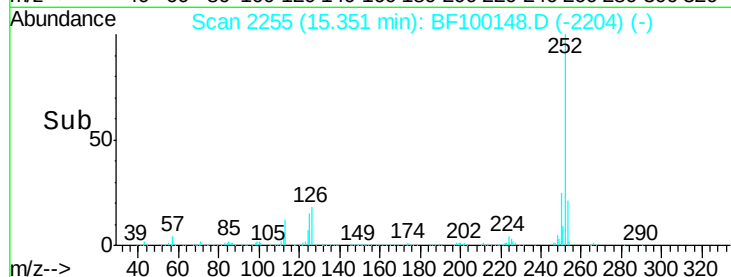
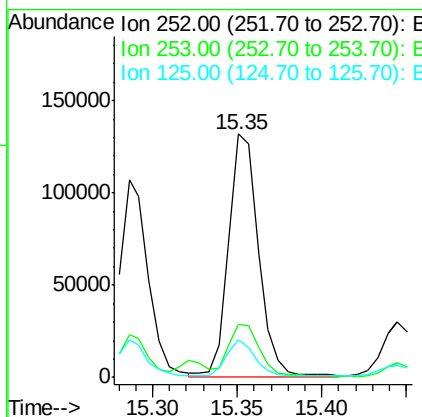
#89
Benzo(a)pyrene
Concen: 17.335 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.00 min
Lab File: BF100148.D
Acq: 3 Nov 2017 21:26

Instrument :
BNA_F
ClientSampleId :
TEC-B8-B9-COMP-1-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	15.4	9.8	14.6

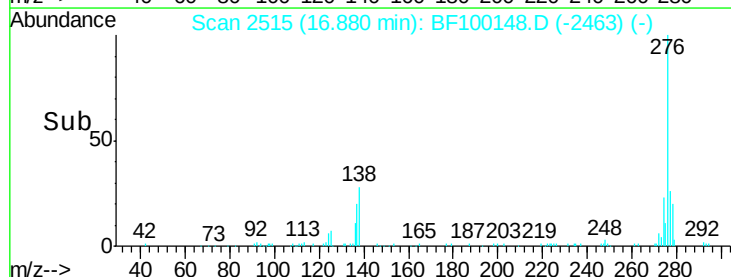
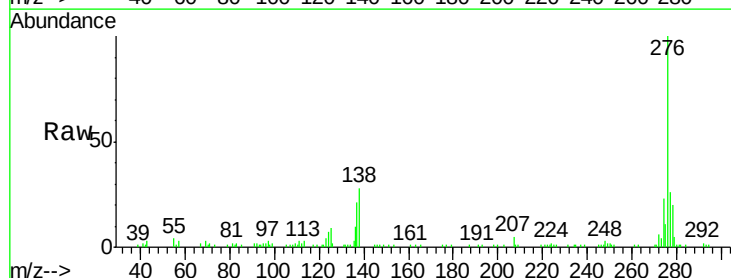
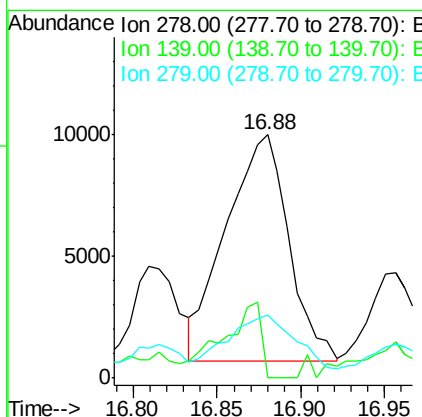
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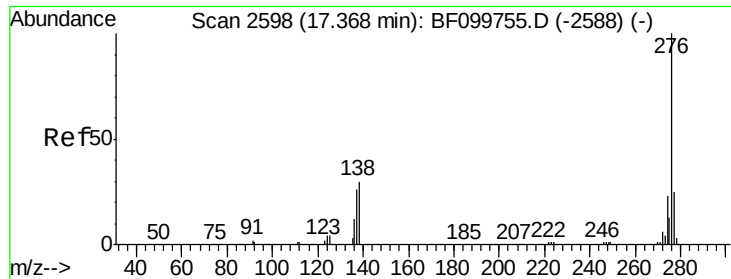
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#90
Dibenzo(a,h)anthracene
Concen: 2.925 ng m
RT: 16.88 min Scan# 2515
Delta R.T. 0.01 min
Lab File: BF100148.D
Acq: 3 Nov 2017 21:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	26.1	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 12.240 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BF100148.D

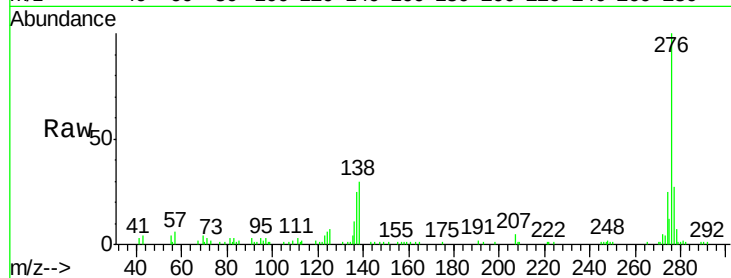
Acq: 3 Nov 2017 21:26

Instrument :

BNA_F

ClientSampleId :

TEC-B8-B9-COMP-1-4



Tgt Ion: 276 Resp: 98784

Ion Ratio Lower Upper

276 100

277 26.7 17.9 26.9

138 30.0 21.8 32.8

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